

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121918\
 Data File : VU028791.D
 Acq On : 19 Dec 2018 14:08
 Operator : MD/SY
 Sample : VU1219WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1219WBS01

Manual Integrations
 APPROVED

MMDadoda
 12/20/2018 8:58:38 AM

Quant Time: Dec 20 06:06:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	112444	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	188271	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	174235	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	83220	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	75721	44.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.26%	
35) Dibromofluoromethane	4.88	113	62882	53.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.14%	
50) Toluene-d8	7.56	98	241556	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	
62) 4-Bromofluorobenzene	10.31	95	84918	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	27855	18.482	ug/l	99
3) Chloromethane	1.33	50	46759	16.875	ug/l	99
4) Vinyl Chloride	1.40	62	38839	19.423	ug/l	99
5) Bromomethane	1.61	94	18777	23.311	ug/l	97
6) Chloroethane	1.69	64	22804	20.144	ug/l	98
7) Trichlorofluoromethane	1.88	101	40212	19.114	ug/l	97
8) Diethyl Ether	2.10	74	19150	19.455	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.28	101	25221	20.044	ug/l	98
10) Methyl Iodide	2.41	142	26699	27.043	ug/l	94
11) Tert butyl alcohol	2.83	59	34409	90.003	ug/l	97
12) 1,1-Dichloroethene	2.28	96	26064	20.819	ug/l	88
13) Acrolein	2.19	56	25010	82.061	ug/l	98
14) Allyl chloride	2.59	41	48006	16.209	ug/l	92
15) Acrylonitrile	2.93	53	100539	94.722	ug/l	99
16) Acetone	2.32	43	83832	74.867	ug/l	92
17) Carbon Disulfide	2.48	76	86491	19.177	ug/l	100
18) Methyl Acetate	2.61	43	53988	18.599	ug/l	94
19) Methyl tert-butyl Ether	3.00	73	90921	19.158	ug/l	97
20) Methylene Chloride	2.70	84	32817	19.881	ug/l	87
21) trans-1,2-Dichloroethene	2.98	96	28460	20.191	ug/l	93
22) Diisopropyl ether	3.57	45	102162	17.738	ug/l	96
23) Vinyl Acetate	3.52	43	397824	83.741	ug/l #	95
24) 1,1-Dichloroethane	3.44	63	57060	18.926	ug/l	100
25) 2-Butanone	4.26	43	129385	84.552	ug/l	96
26) 2,2-Dichloropropane	4.23	77	42273	17.696	ug/l	94
27) cis-1,2-Dichloroethene	4.23	96	32349	20.276	ug/l	91
28) Bromochloromethane	4.55	49	24086	17.574	ug/l	85
29) Tetrahydrofuran	4.64	42	86221	87.731	ug/l	92
30) Chloroform	4.67	83	51693	19.673	ug/l	98
31) Cyclohexane	4.99	56	53709	17.477	ug/l	95
32) 1,1,1-Trichloroethane	4.91	97	41837	19.171	ug/l	97
36) 1,1-Dichloropropene	5.14	75	40781	19.794	ug/l	98
37) Ethyl Acetate	4.38	43	45731	17.171	ug/l #	95
38) Carbon Tetrachloride	5.14	117	33209	19.999	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	48224	19.186	ug/l	96
40) Benzene	5.39	78	128514	21.180	ug/l	98
41) Methacrylonitrile	4.54	41	26323	18.048	ug/l	94
42) 1,2-Dichloroethane	5.40	62	40035	18.849	ug/l	98
43) Isopropyl Acetate	5.55	43	74833	17.765	ug/l #	95
44) Trichloroethene	6.18	130	30122	22.326	ug/l	88
45) 1,2-Dichloropropane	6.43	63	35588	20.857	ug/l	96
46) Dibromomethane	6.56	93	21123	20.864	ug/l	92
47) Bromodichloromethane	6.76	83	39454	20.026	ug/l	99
48) Methyl methacrylate	6.62	41	37226	17.770	ug/l	89
49) 1,4-Dioxane	6.61	88	14597	441.298	ug/l	94
51) 4-Methyl-2-Pentanone	7.46	43	237766	89.491	ug/l	94
52) Toluene	7.64	92	76236	21.348	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	45927	19.574	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	50611	19.882	ug/l #	90
55) 1,1,2-Trichloroethane	8.06	97	31292	22.168	ug/l	95
56) Ethyl methacrylate	8.02	69	47796	19.772	ug/l	89
57) 1,3-Dichloropropane	8.24	76	54262	20.708	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	111202	89.813	ug/l	96
59) 2-Hexanone	8.36	43	178079	84.564	ug/l	91
60) Dibromochloromethane	8.48	129	28910	20.918	ug/l	99
61) 1,2-Dibromoethane	8.59	107	32521	21.969	ug/l	97
64) Tetrachloroethene	8.22	164	25602	22.029	ug/l	97
65) Chlorobenzene	9.12	112	79956	21.535	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	25839	21.794	ug/l	95
67) Ethyl Benzene	9.25	91	138226	20.252	ug/l	99
68) m/p-Xylenes	9.37	106	108398	43.647	ug/l	92
69) o-Xylene	9.78	106	51110	21.177	ug/l	96
70) Styrene	9.79	104	84093	21.054	ug/l	96
71) Bromoform	9.96	173	21997	21.810	ug/l #	99
73) Isopropylbenzene	10.16	105	132460	20.743	ug/l	99
74) N-amyl acetate	10.01	43	61900	16.805	ug/l	91
75) 1,1,2,2-Tetrachloroethane	10.46	83	52718	21.491	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	46420m	21.844	ug/l	
77) Bromobenzene	10.45	156	33632	22.519	ug/l	90
78) n-propylbenzene	10.58	91	159170	20.059	ug/l	98
79) 2-Chlorotoluene	10.66	91	94907	20.764	ug/l	97
80) 1,3,5-Trimethylbenzene	10.77	105	109598	20.734	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	14967m	17.659	ug/l	
82) 4-Chlorotoluene	10.77	91	105363	19.453	ug/l	97
83) tert-Butylbenzene	11.10	119	107603	21.120	ug/l	96
84) 1,2,4-Trimethylbenzene	11.15	105	111715	20.507	ug/l	96
85) sec-Butylbenzene	11.32	105	132951	20.312	ug/l	99
86) p-Isopropyltoluene	11.47	119	110682	19.907	ug/l	97
87) 1,3-Dichlorobenzene	11.41	146	59497	21.098	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	59650	20.444	ug/l	100
89) n-Butylbenzene	11.89	91	99430	17.670	ug/l	99
90) Hexachloroethane	12.14	117	17522	20.850	ug/l	93
91) 1,2-Dichlorobenzene	11.88	146	60409	21.415	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10520	19.809	ug/l	89

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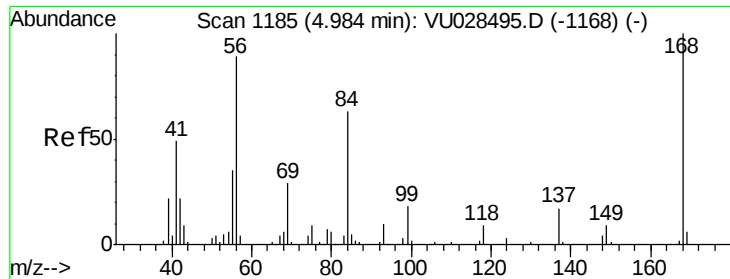
Manual Integrations
APPROVED

MMDadoda
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	35314	18.754	ug/l	98
94) Hexachlorobutadiene	13.69	225	17330	18.755	ug/l	97
95) Naphthalene	13.74	128	123837	18.295	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	38053	19.814	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028791.D

Acq: 19 Dec 2018 14:08

Instrument :

MSVOA_U

ClientSampleId :

VU1219WBS01

Tot Ion:168 Resp: 112444

Ion Ratio Lower Upper

168 100

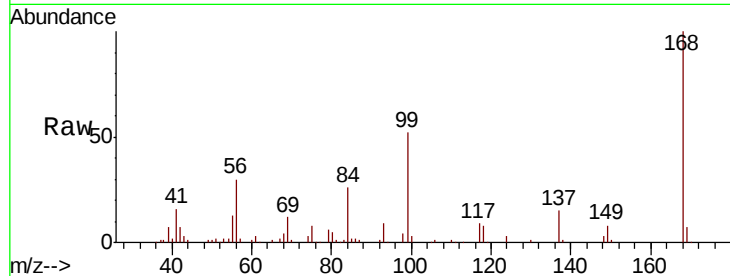
99 52.1 46.6 69.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)

4.98

50000

40000

30000

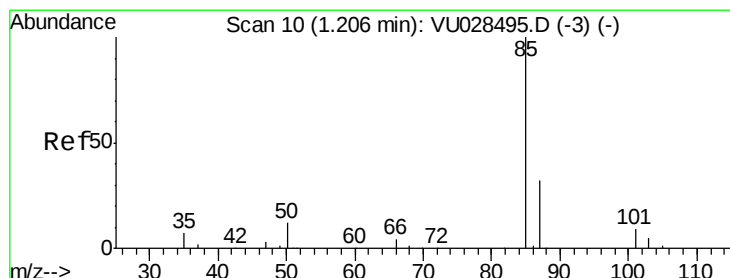
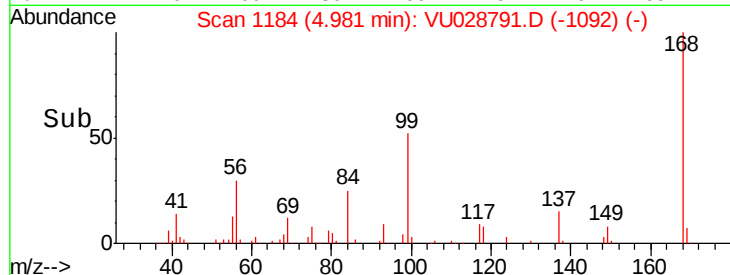
20000

10000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.482 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028791.D

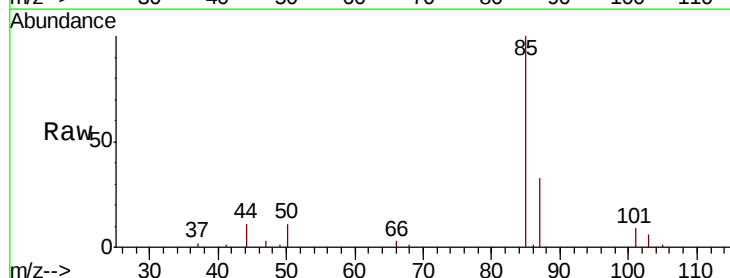
Acq: 19 Dec 2018 14:08

Tgt Ion: 85 Resp: 27855

Ion Ratio Lower Upper

85 100

87 32.5 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VU028495.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028495.D (-3) (-)

1.21

30000

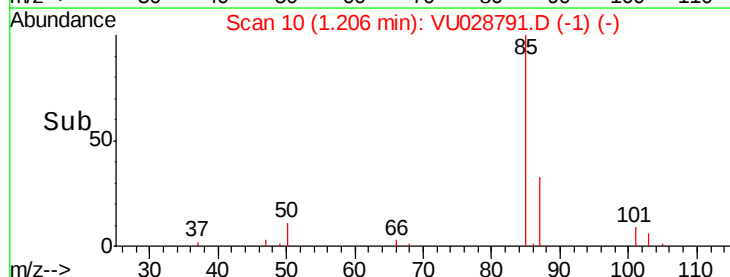
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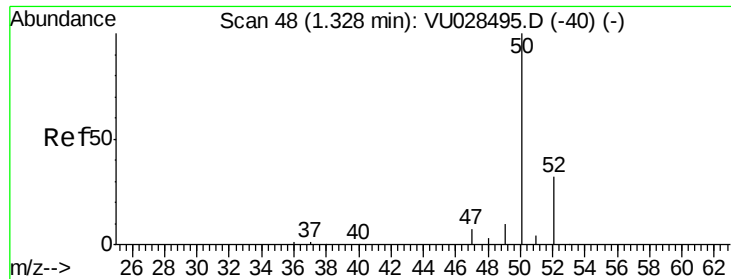
10000

0

1.20 1.25

Time-->





#3

Chloromethane

Concen: 16.875 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028791.D

Acq: 19 Dec 2018 14:08

Instrument :

MSVOA_U

ClientSampleId :

VU1219WBS01

Tot Ion: 50 Resp: 46759

Ion Ratio Lower Upper

50 100

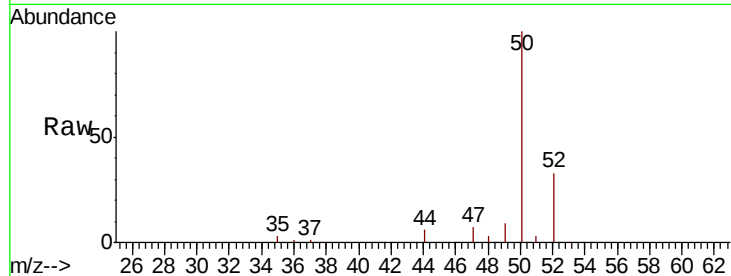
52 32.6 25.5 38.3

Manual Integrations

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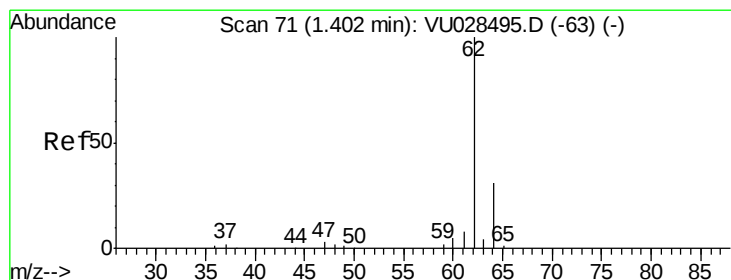
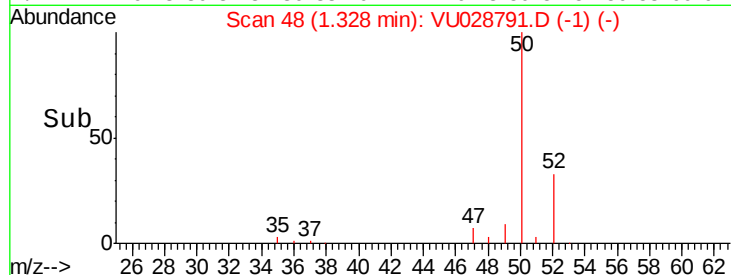
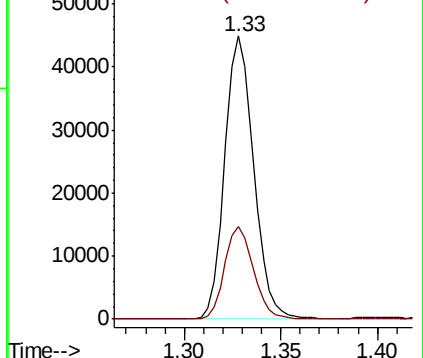
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 19.423 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028791.D

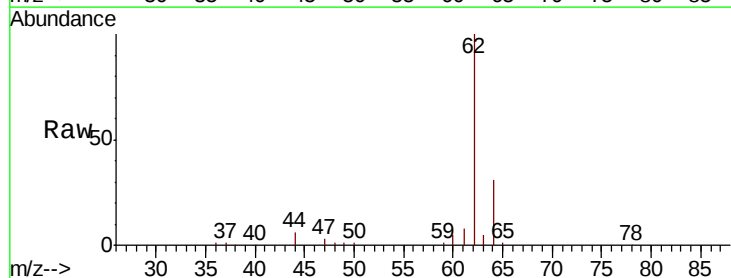
Acq: 19 Dec 2018 14:08

Tgt Ion: 62 Resp: 38839

Ion Ratio Lower Upper

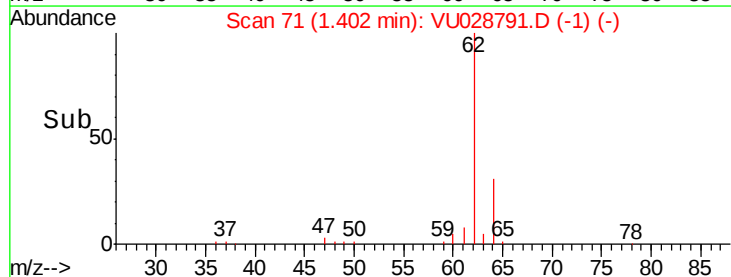
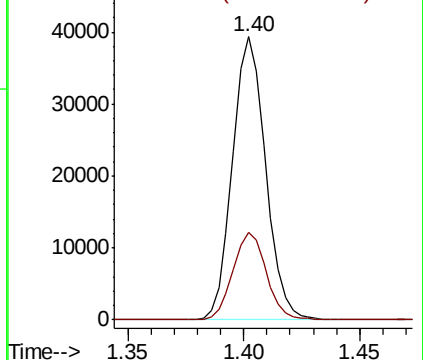
62 100

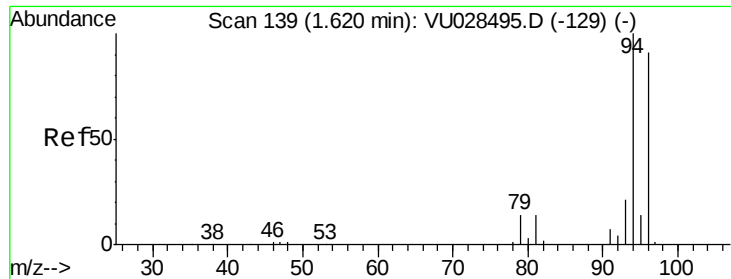
64 31.0 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 23.311 ug/l

RT: 1.61 min Scan# 137

Delta R.T. -0.01 min

Lab File: VU028791.D

Acq: 19 Dec 2018 14:08

Instrument :

MSVOA_U

ClientSampleId :

VU1219WBS01

Tot Ion: 94 Resp: 18777

Ion Ratio Lower Upper

94 100

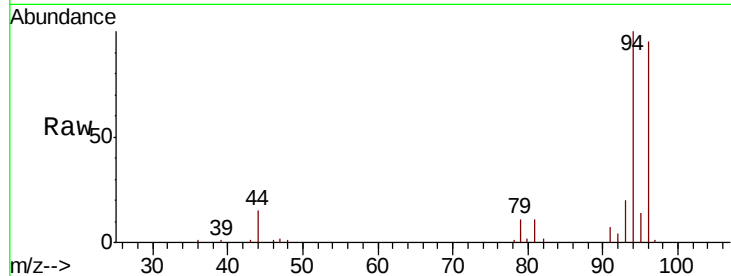
96 94.6 73.2 109.8

Manual Integrations

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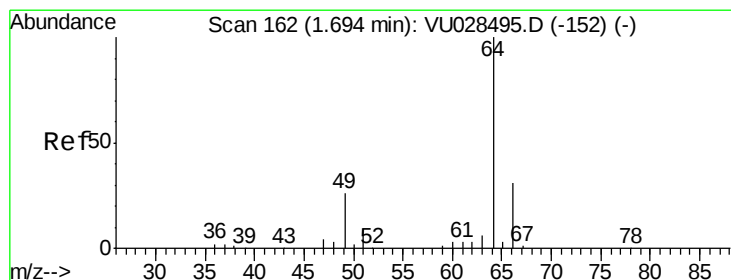
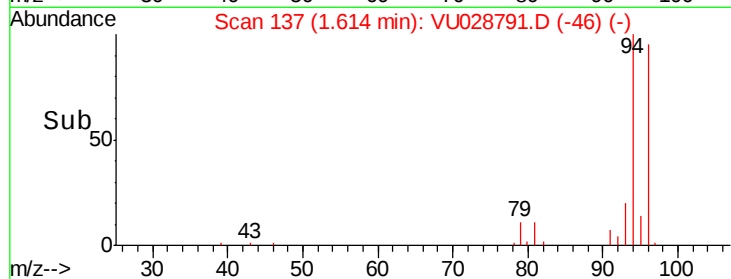
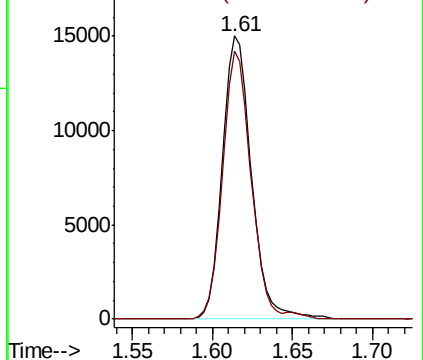
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 20.144 ug/l

RT: 1.69 min Scan# 161

Delta R.T. -0.00 min

Lab File: VU028791.D

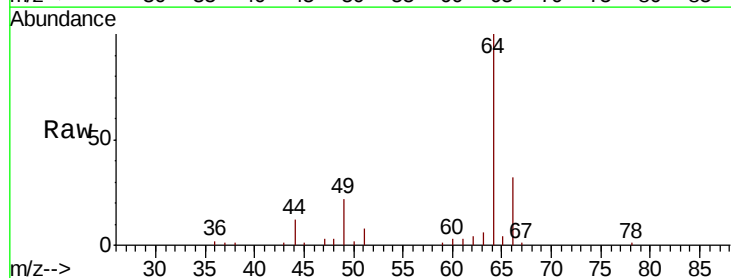
Acq: 19 Dec 2018 14:08

Tgt Ion: 64 Resp: 22804

Ion Ratio Lower Upper

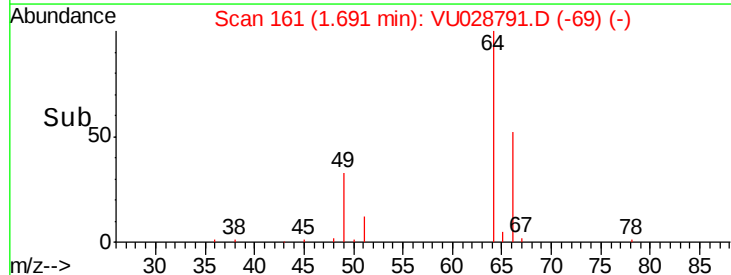
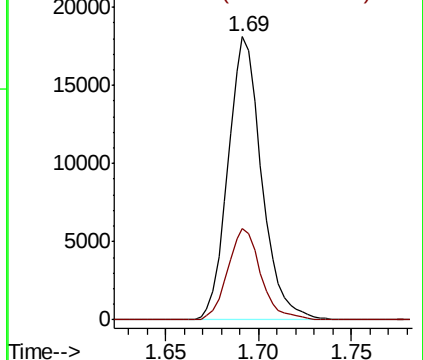
64 100

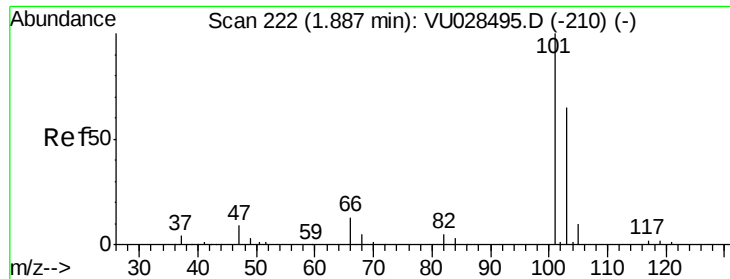
66 32.4 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

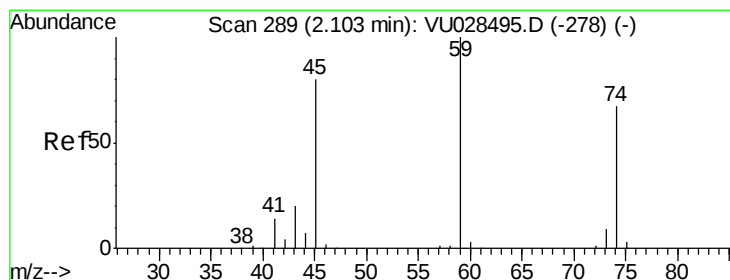
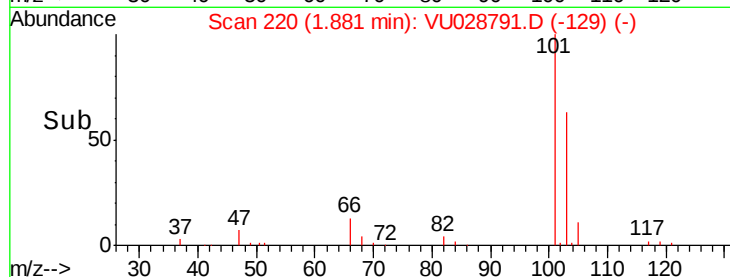
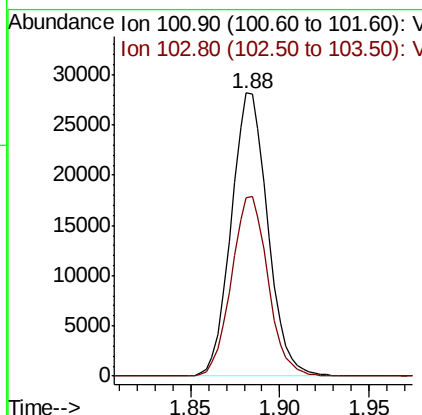
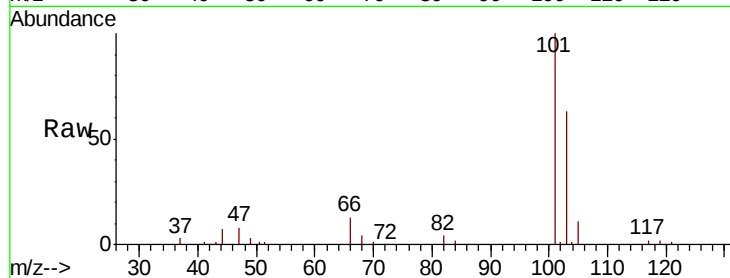
Trichlorofluoromethane
 Concen: 19.114 ug/l
 RT: 1.88 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VU028791.D
 Acq: 19 Dec 2018 14:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1219WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.9	52.3	78.5

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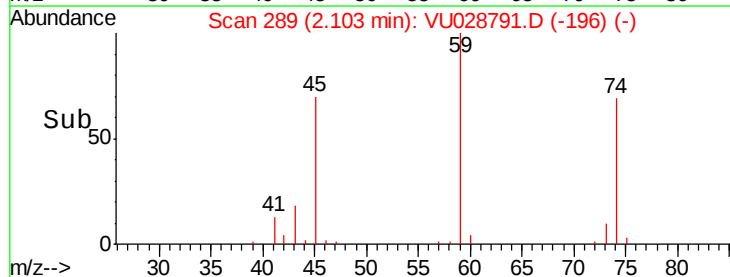
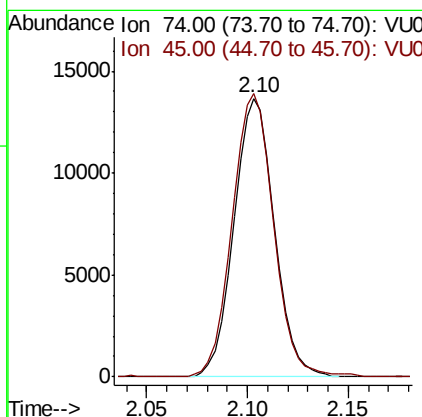
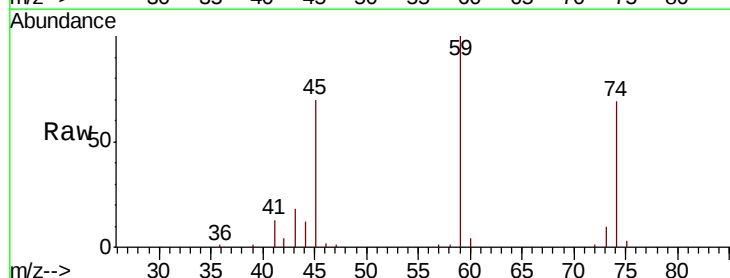
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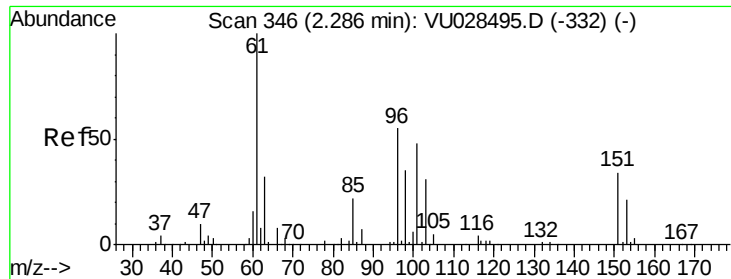


#8

Diethyl Ether
 Concen: 19.455 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. 0.00 min
 Lab File: VU028791.D
 Acq: 19 Dec 2018 14:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.7	59.7	179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.044 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028791.D

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Instrument :

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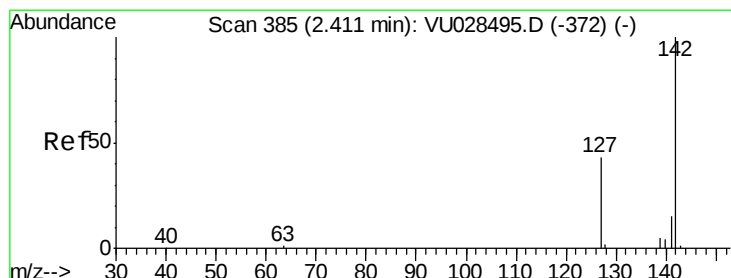
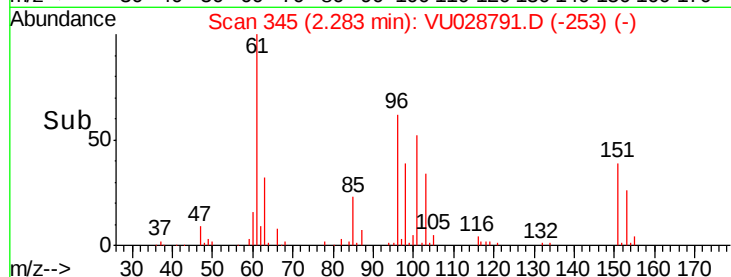
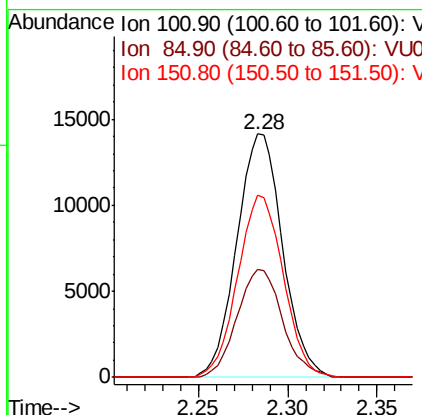
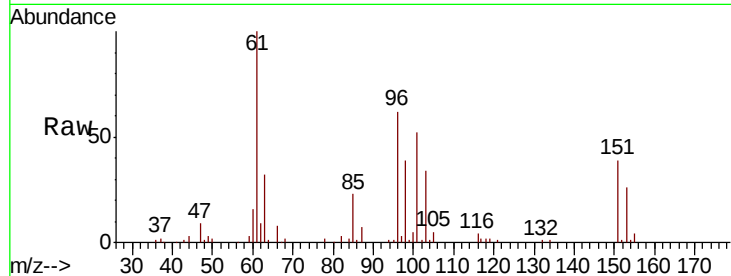
ClientSampleId :

VU1219WBS01

Tot Ion:	101	Resp:	25221
Ion Ratio	Lower	Upper	
101	100		
85	44.2	36.4	54.6
151	74.7	58.2	87.2

Manual Integrations
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#10

Methyl Iodide

Concen: 27.043 ug/l

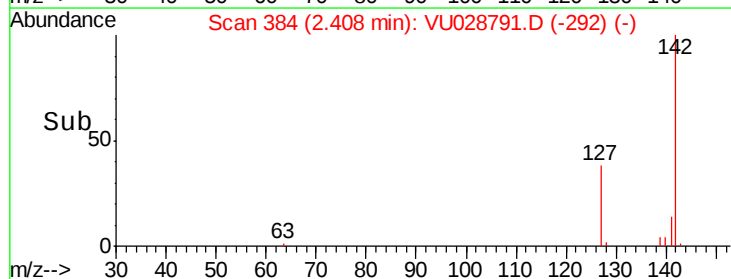
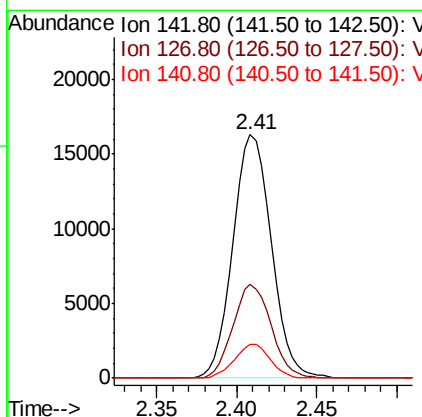
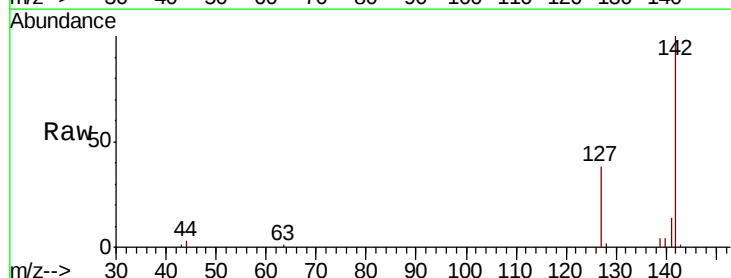
RT: 2.41 min Scan# 384

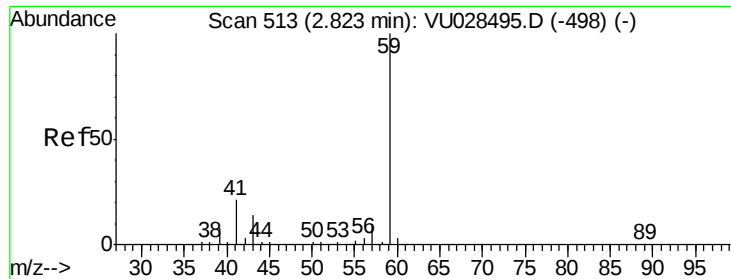
Delta R.T. -0.00 min

Lab File: VU028791.D

Acq: 19 Dec 2018 14:08

Tgt Ion:	142	Resp:	26699
Ion Ratio	Lower	Upper	
142	100		
127	37.9	33.5	50.3
141	12.8	11.2	16.8





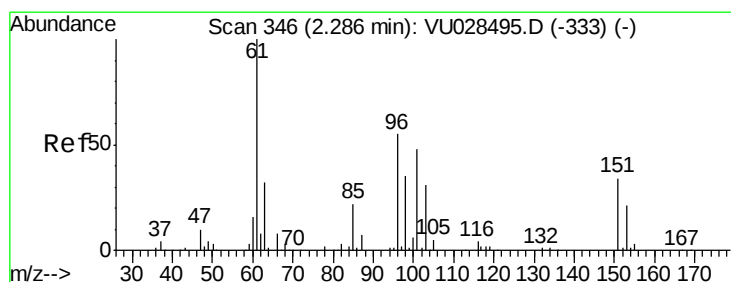
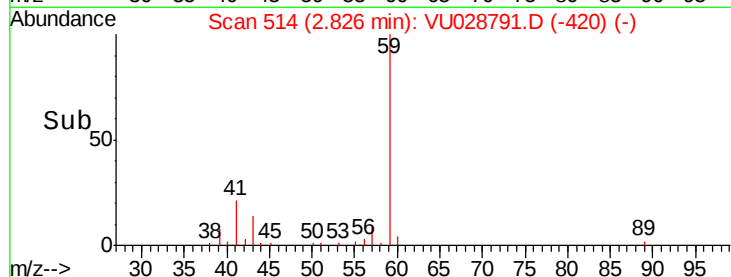
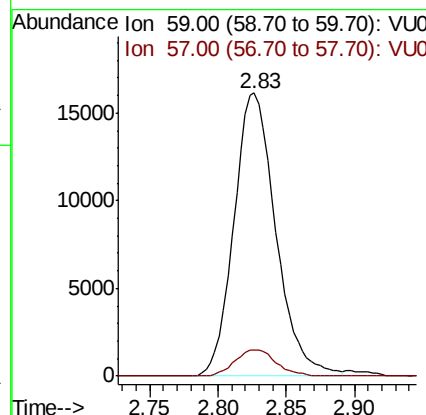
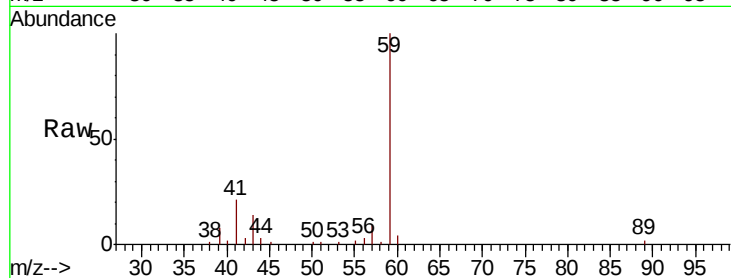
#11
Tert butyl alcohol
Concen: 90.003 ug/l
RT: 2.83 min Scan# 514
Delta R.T. 0.00 min
Lab File: VU028791.D
Acq: 19 Dec 2018 14:08

Instrument :
MSVOA_U
ClientSampleId :
VU1219WBS01

Tot Ion: 59 Resp: 34409
Ion Ratio Lower Upper
59 100
57 9.0 8.0 12.0

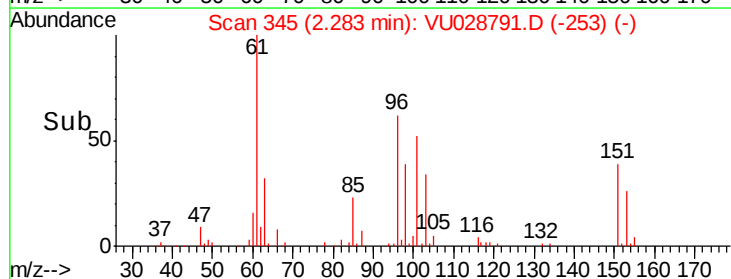
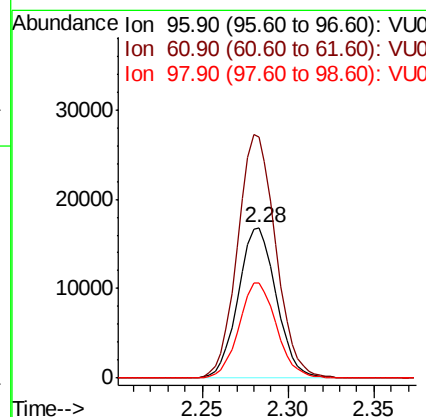
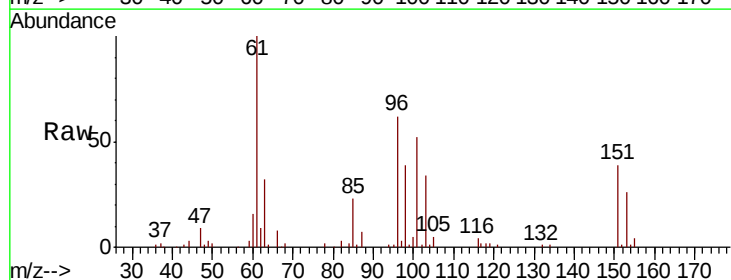
Manual Integrations
APPROVED

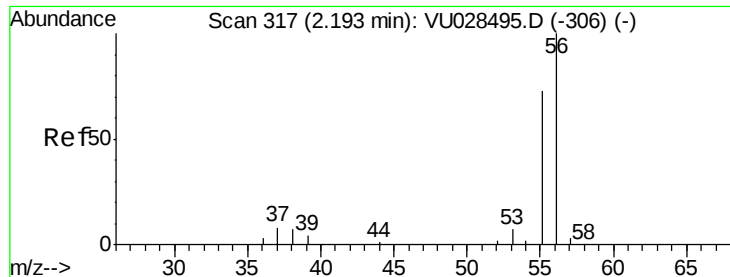
MMDadoda
12/20/2018 8:58:38 AM



#12
1,1-Dichloroethene
Concen: 20.819 ug/l
RT: 2.28 min Scan# 345
Delta R.T. -0.00 min
Lab File: VU028791.D
Acq: 19 Dec 2018 14:08

Tgt Ion: 96 Resp: 26064
Ion Ratio Lower Upper
96 100
61 160.2 146.4 219.6
98 63.1 51.8 77.8





#13

Acrolein

Concen: 82.061 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU028791.D

Acq: 19 Dec 2018 14:08

Instrument :

MSVOA_U

ClientSampleId :

VU1219WBS01

Tot Ion: 56 Resp: 25010

Ion Ratio Lower Upper

56 100

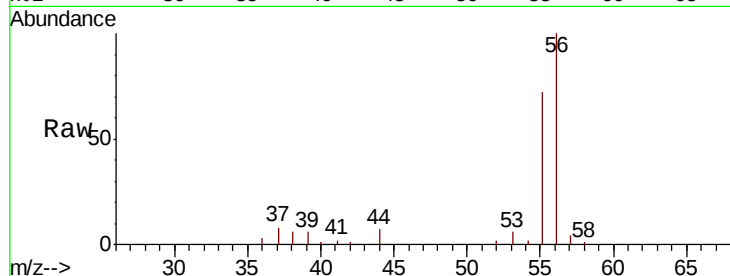
55 70.3 57.5 86.3

Manual Integrations

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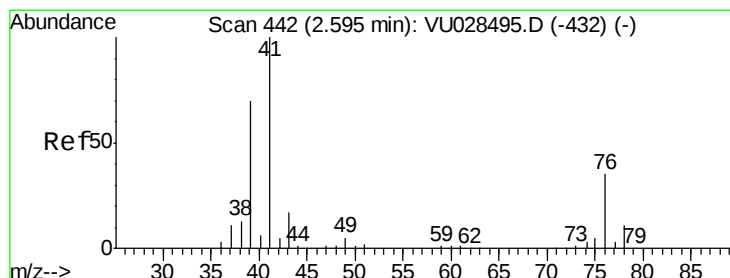
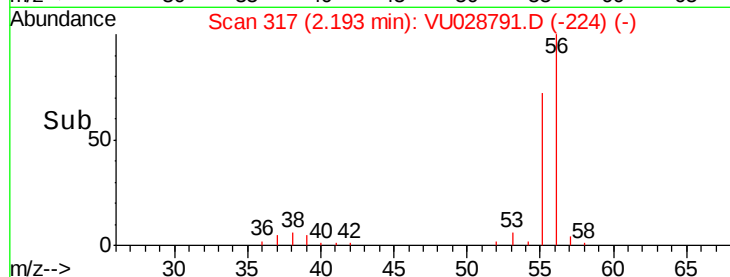
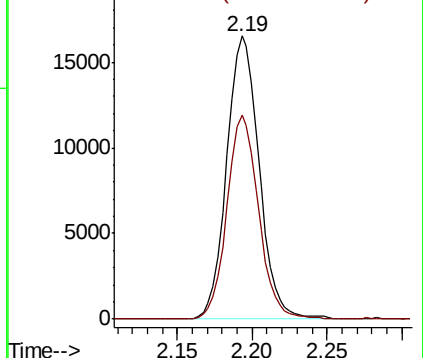
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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 16.209 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU028791.D

Acq: 19 Dec 2018 14:08

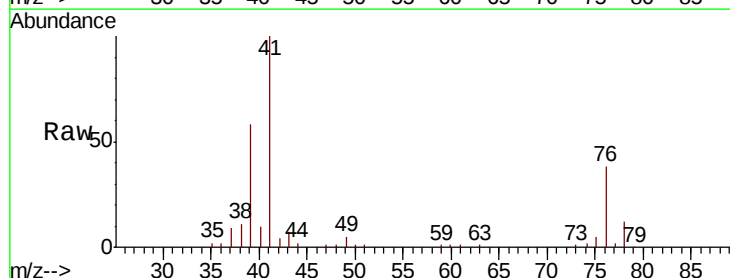
Tgt Ion: 41 Resp: 48006

Ion Ratio Lower Upper

41 100

39 58.9 50.8 76.2

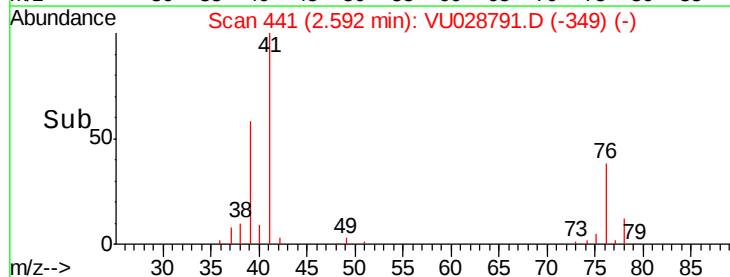
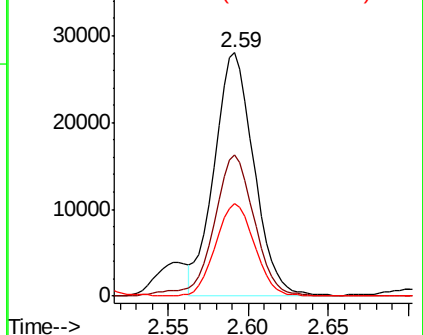
76 37.1 24.8 37.2

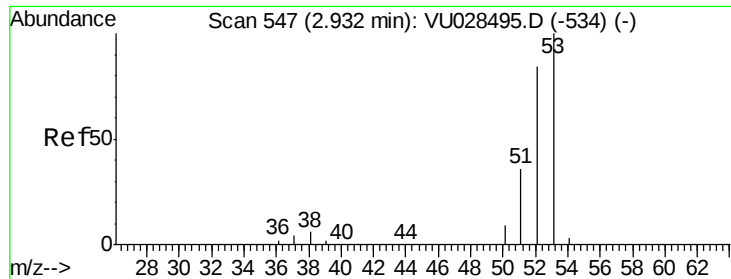


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 94.722 ug/l

RT: 2.93 min Scan# 547

Delta R.T. 0.00 min

Lab File: VU028791.D

Acq: 19 Dec 2018 14:08

Instrument :

MSVOA_U

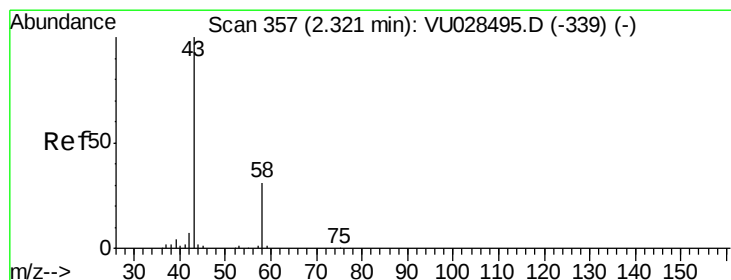
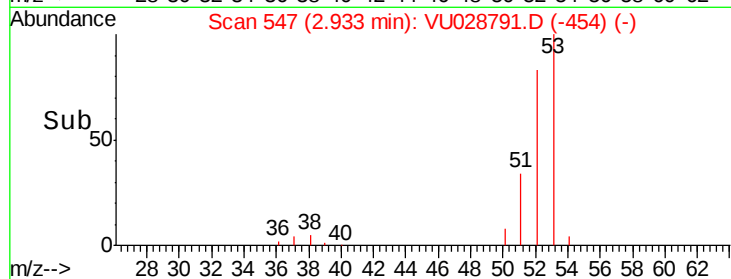
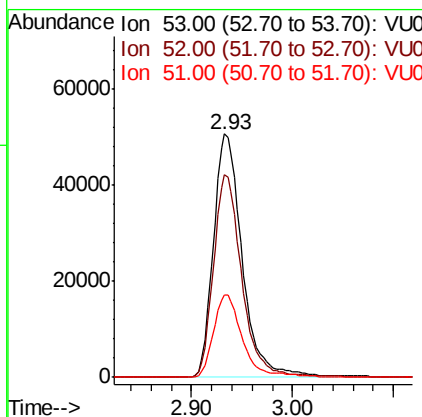
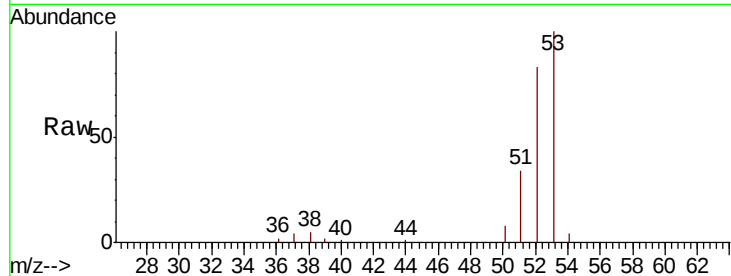
ClientSampleId :

VU1219WBS01

Tot Ion:	53	Resp:	100539
Ion	Ratio	Lower	Upper
53	100		
52	82.0	66.1	99.1
51	34.0	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 74.867 ug/l

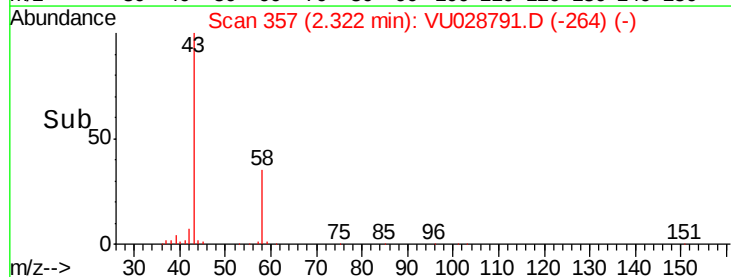
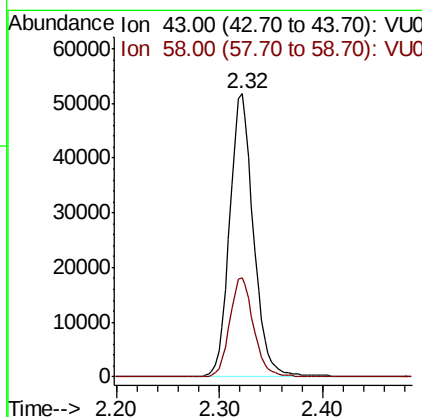
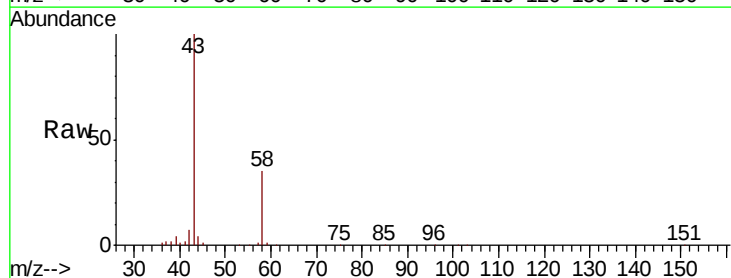
RT: 2.32 min Scan# 357

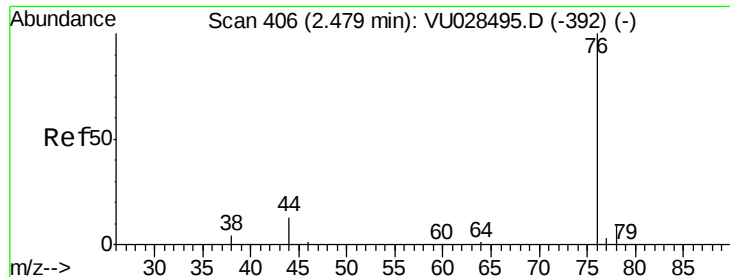
Delta R.T. 0.00 min

Lab File: VU028791.D

Acq: 19 Dec 2018 14:08

Tgt Ion:	43	Resp:	83832
Ion	Ratio	Lower	Upper
43	100		
58	35.2	24.6	37.0





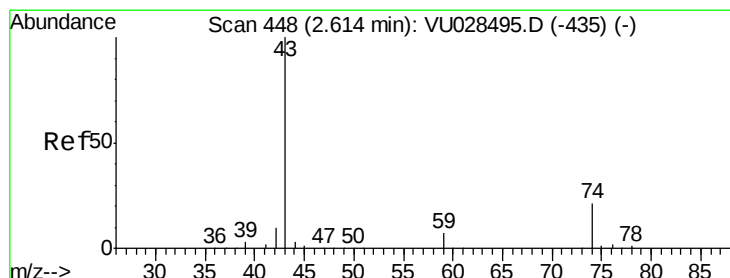
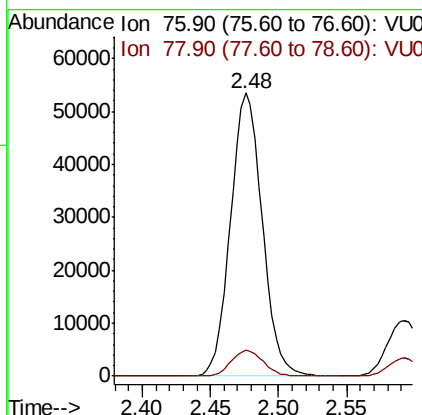
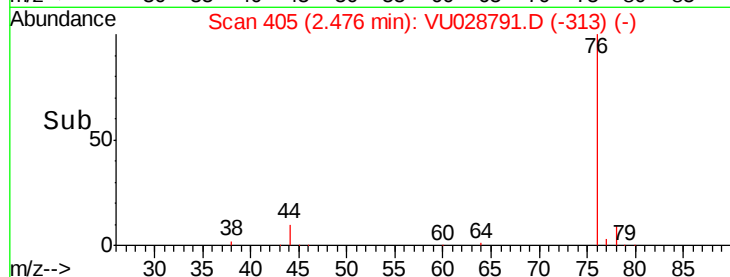
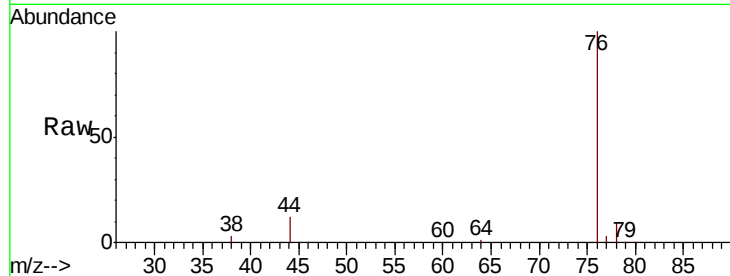
#17
Carbon Disulfide
Concen: 19.177 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU028791.D
Acq: 19 Dec 2018 14:08

Instrument :
MSVOA_U
ClientSampleId :
VU1219WBS01

Tot Ion: 76 Resp: 86491
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8

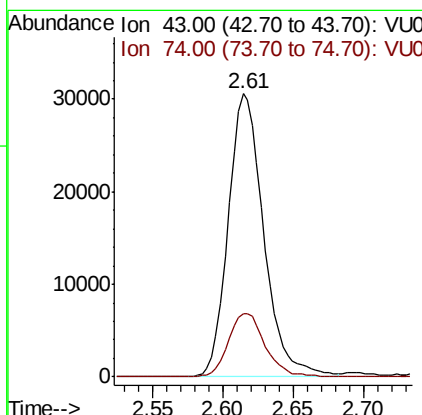
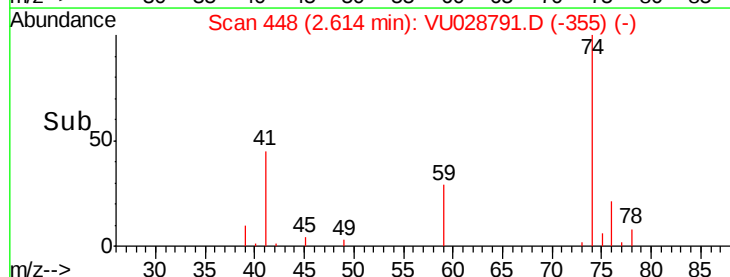
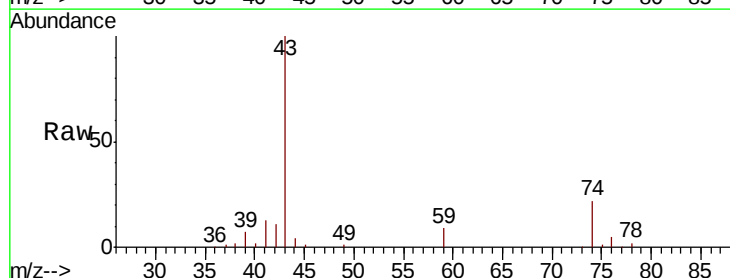
Manual Integrations
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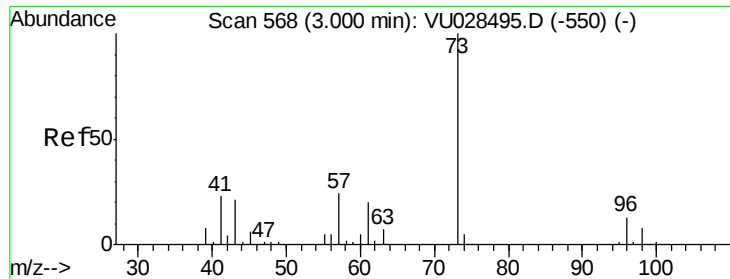
MMDadoda
12/20/2018 8:58:38 AM



#18
Methyl Acetate
Concen: 18.599 ug/l
RT: 2.61 min Scan# 448
Delta R.T. 0.00 min
Lab File: VU028791.D
Acq: 19 Dec 2018 14:08

Tgt Ion: 43 Resp: 53988
Ion Ratio Lower Upper
43 100
74 23.2 16.4 24.6





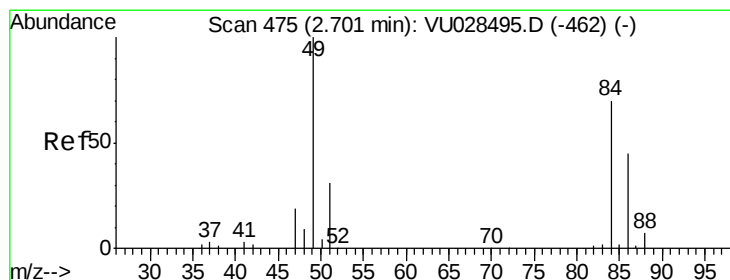
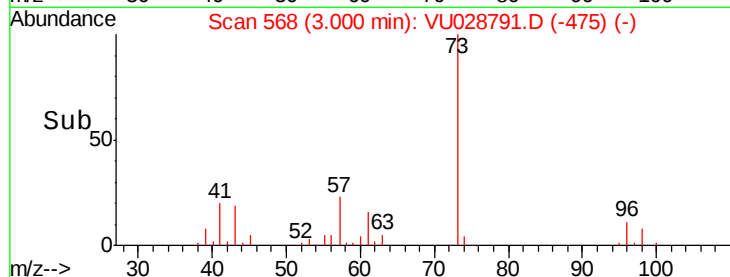
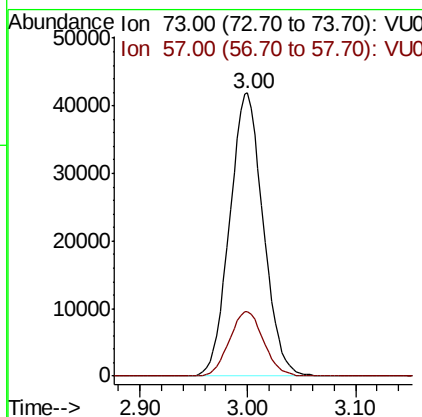
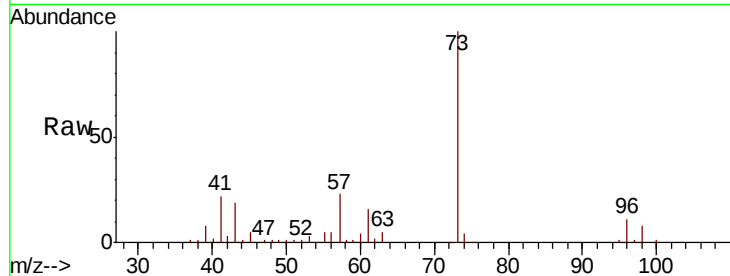
#19
Methyl tert-butyl Ether
Concen: 19.158 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU028791.D
Acq: 19 Dec 2018 14:08

Instrument :
MSVOA_U
ClientSampleId :
VU1219WBS01

Tot Ion: 73 Resp: 90921
Ion Ratio Lower Upper
73 100
57 22.7 19.4 29.2

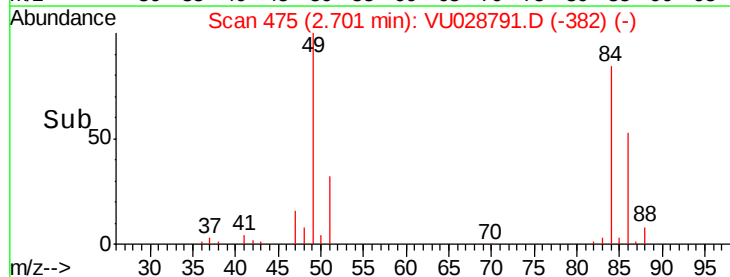
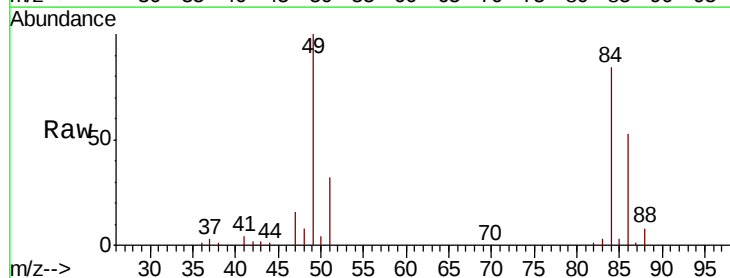
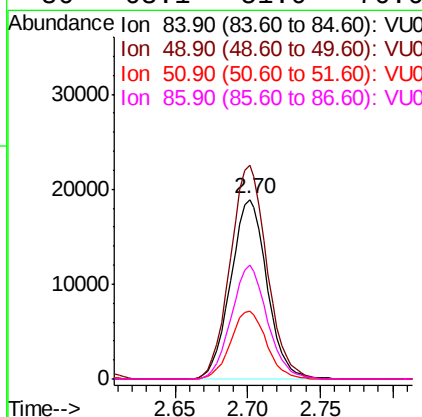
Manual Integrations
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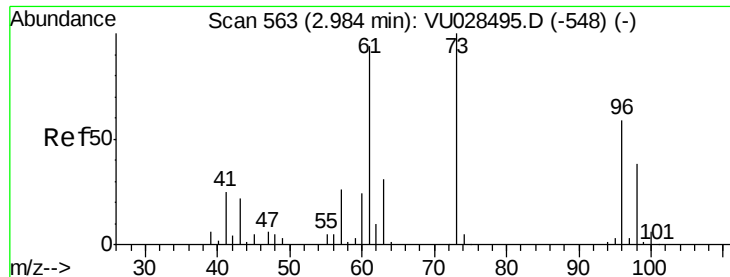
MMDadoda
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#20
Methylene Chloride
Concen: 19.881 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU028791.D
Acq: 19 Dec 2018 14:08

Tgt Ion: 84 Resp: 32817
Ion Ratio Lower Upper
84 100
49 118.8 114.0 171.0
51 38.1 35.1 52.7
86 63.1 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 20.191 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028791.D

Acq: 19 Dec 2018 14:08

Instrument :

MSVOA_U

ClientSampleId :

VU1219WBS01

Tot Ion: 96 Resp: 28460

Ion Ratio Lower Upper

96 100

61 146.7 127.0 190.4

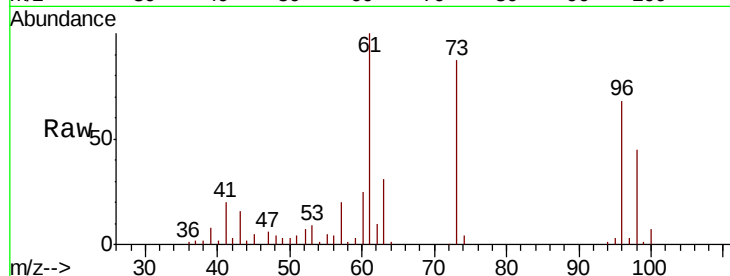
98 65.8 51.9 77.9

Manual Integrations

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MMDadoda

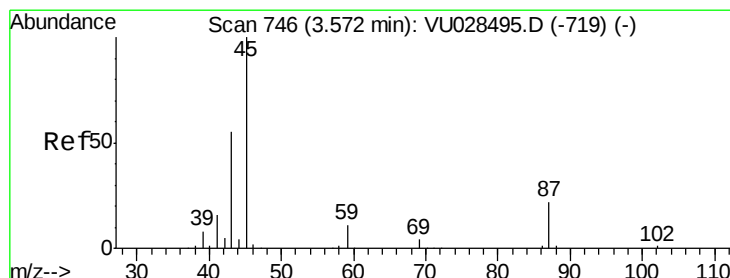
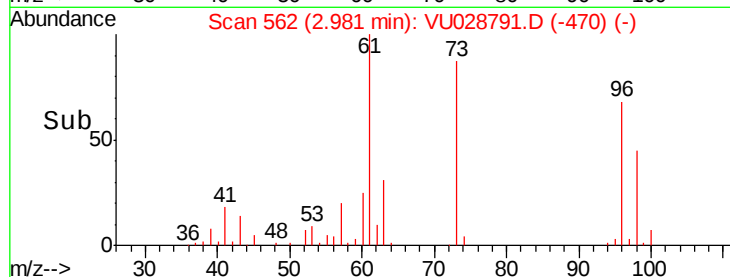
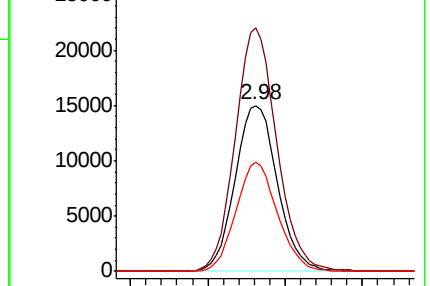
12/20/2018 8:58:38 AM



Abundance Ion 95.90 (95.60 to 96.60): VU028495.D (-548) (-)

Ion 60.90 (60.60 to 61.60): VU028495.D (-548) (-)

Ion 97.90 (97.60 to 98.60): VU028495.D (-548) (-)



#22

Diisopropyl ether

Concen: 17.738 ug/l

RT: 3.57 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU028791.D

Acq: 19 Dec 2018 14:08

Tgt Ion: 45 Resp: 102162

Ion Ratio Lower Upper

45 100

43 58.9 45.3 67.9

87 25.8 17.6 26.4

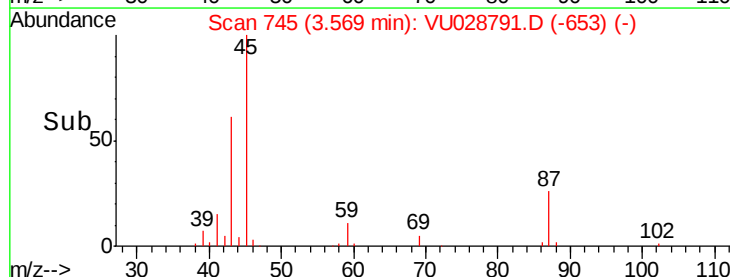
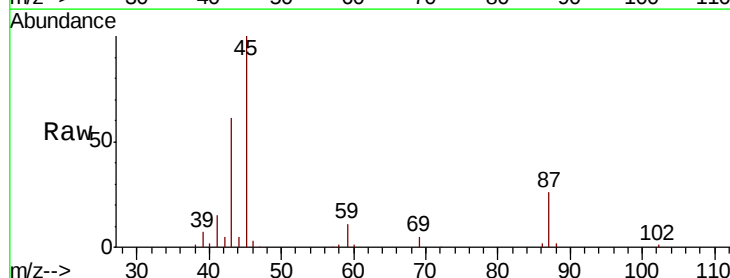
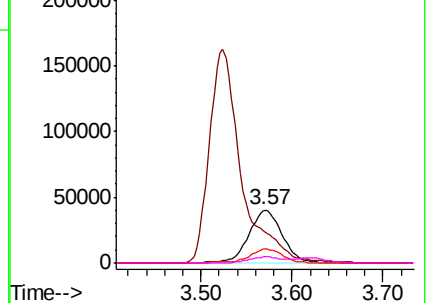
59 11.3 8.8 13.2

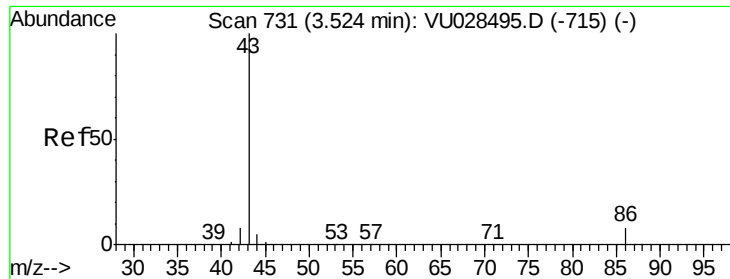
Abundance Ion 45.00 (44.70 to 45.70): VU028495.D (-719) (-)

Ion 43.00 (42.70 to 43.70): VU028495.D (-719) (-)

Ion 87.00 (86.70 to 87.70): VU028495.D (-719) (-)

Ion 59.00 (58.70 to 59.70): VU028495.D (-719) (-)





#23

Vinyl Acetate

Concen: 83.741 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU028791.D

Acq: 19 Dec 2018 14:08

Instrument :

MSVOA_U

ClientSampleId :

VU1219WBS01

Tot Ion: 43 Resp: 397824

Ion Ratio Lower Upper

43 100

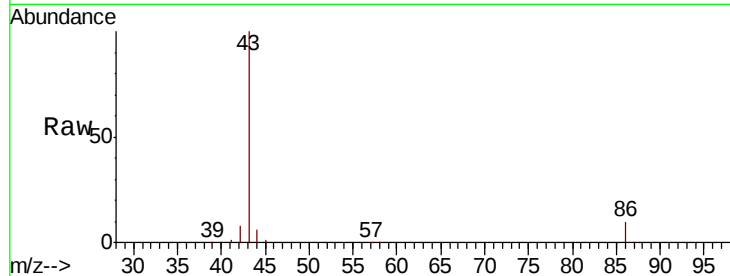
86 10.3 6.8 10.2#

Manual Integrations

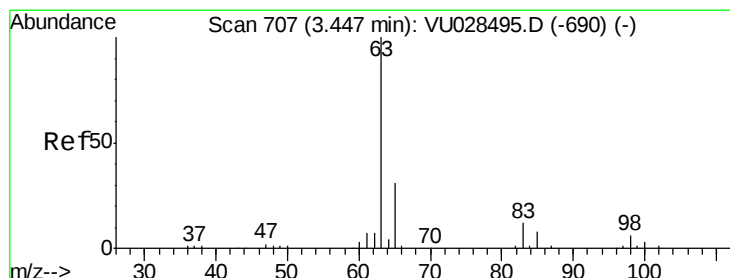
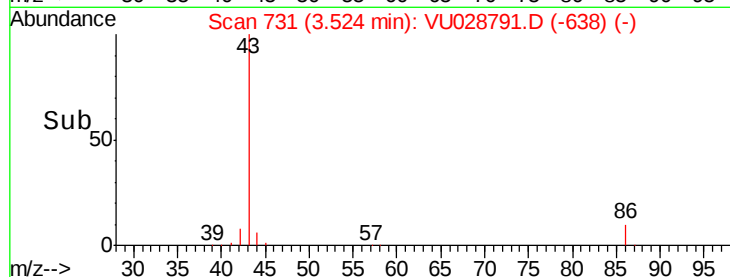
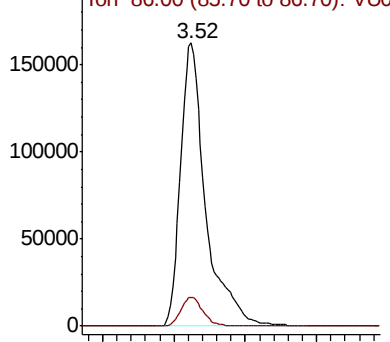
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Abundance Ion 43.00 (42.70 to 43.70): VU028791.D (-638) (-)



#24

1,1-Dichloroethane

Concen: 18.926 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028791.D

Acq: 19 Dec 2018 14:08

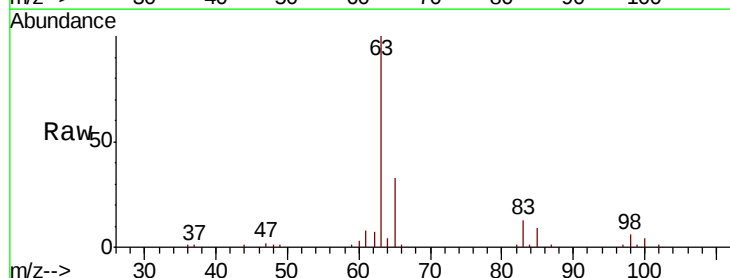
Tgt Ion: 63 Resp: 57060

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

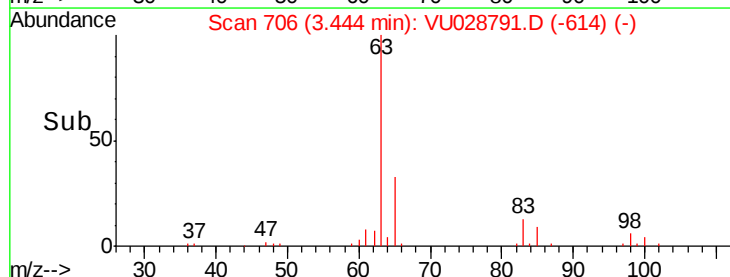
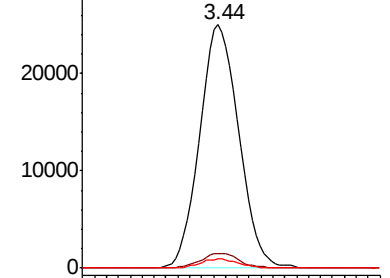
100 3.7 1.7 5.1

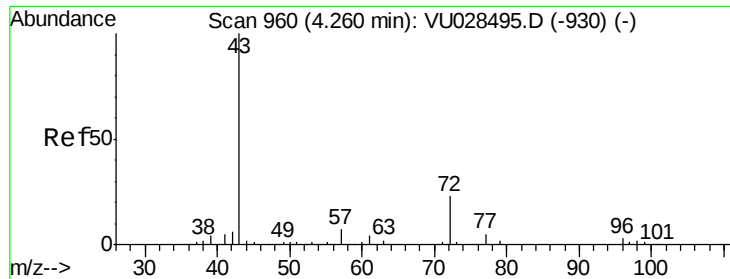


Abundance Ion 62.90 (62.60 to 63.60): VU028791.D (-614) (-)

Ion 97.90 (97.60 to 98.60): VU028791.D (-614) (-)

Ion 99.90 (99.60 to 100.60): VU028791.D (-614) (-)





#25

2-Butanone

Concen: 84.552 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU028791.D

Acq: 19 Dec 2018 14:08

Instrument :

MSVOA_U

ClientSampleId :

VU1219WBS01

Tot Ion: 43 Resp: 129385

Ion Ratio Lower Upper

43 100

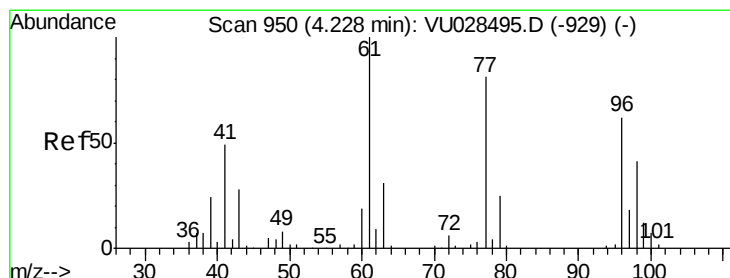
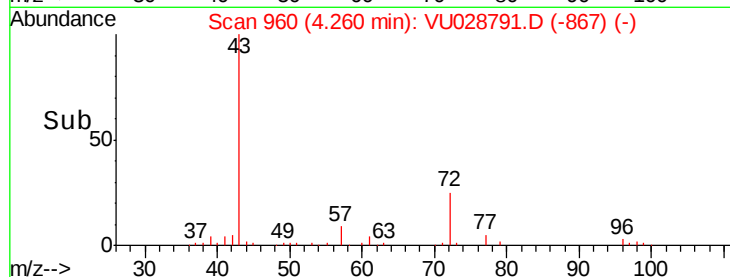
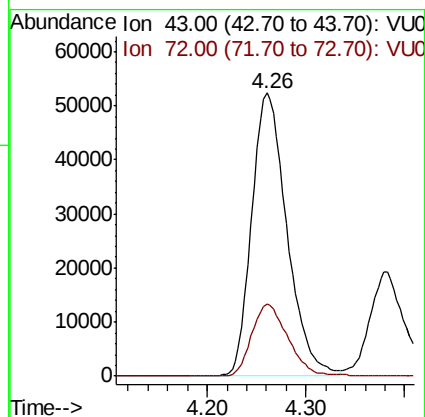
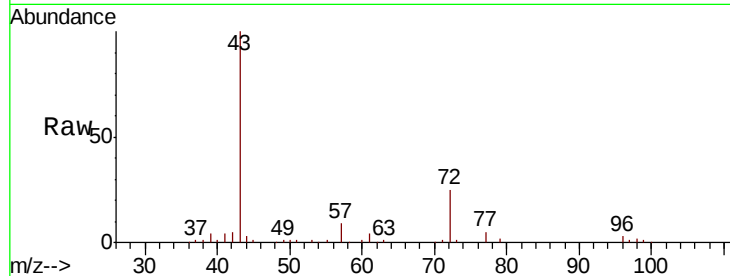
72 25.4 18.6 28.0

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#26

2,2-Dichloropropane

Concen: 17.696 ug/l

RT: 4.23 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028791.D

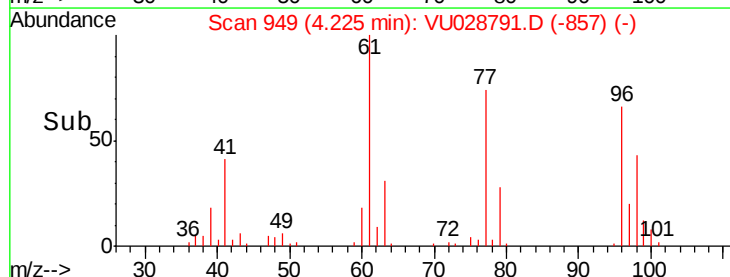
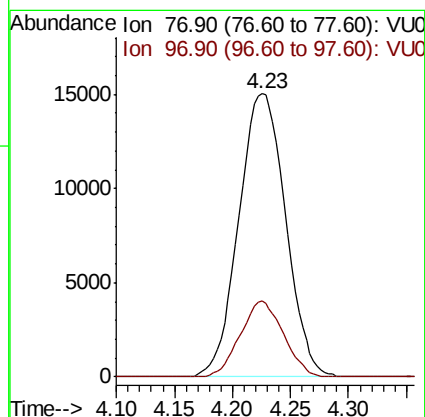
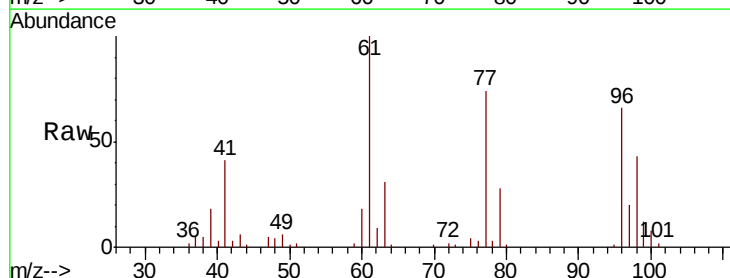
Acq: 19 Dec 2018 14:08

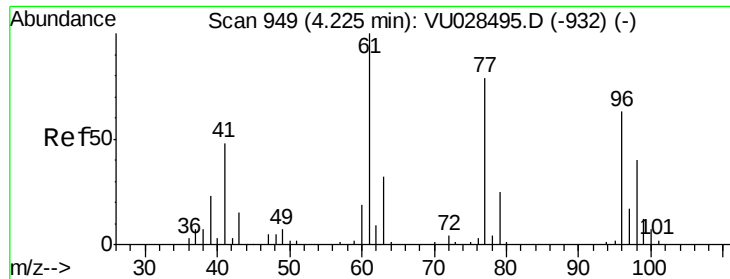
Tgt Ion: 77 Resp: 42273

Ion Ratio Lower Upper

77 100

97 24.6 11.0 33.0





#27

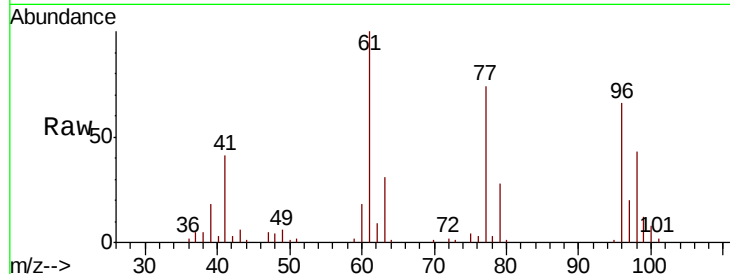
cis-1,2-Dichloroethene
Concen: 20.276 ug/l
RT: 4.23 min Scan# 949
Delta R.T. 0.00 min
Lab File: VU028791.D
Acq: 19 Dec 2018 14:08

Instrument :
MSVOA_U
ClientSampleId :
VU1219WBS01

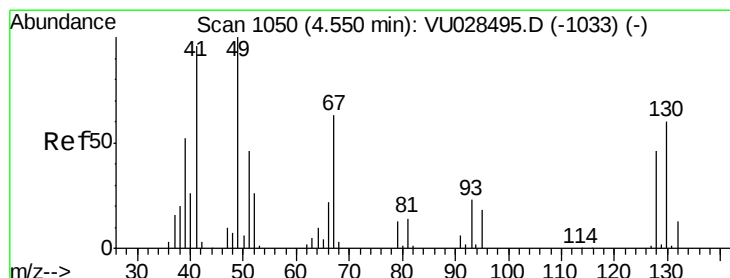
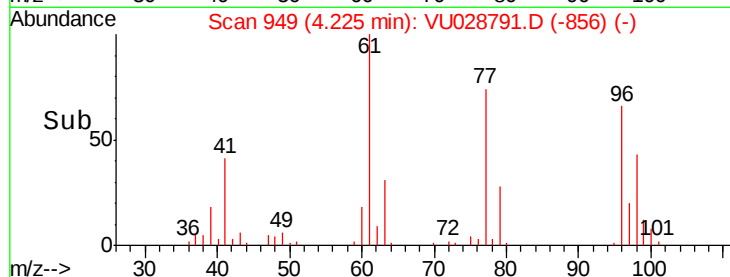
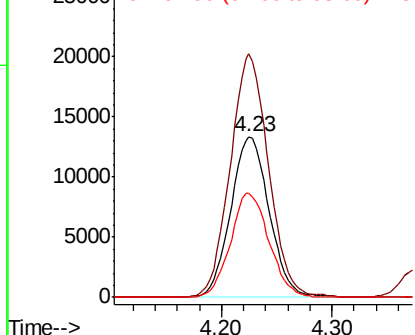
Tot Ion	Ratio	Lower	Upper
96	100		
61	150.1	0.0	332.4
98	64.6	0.0	129.0

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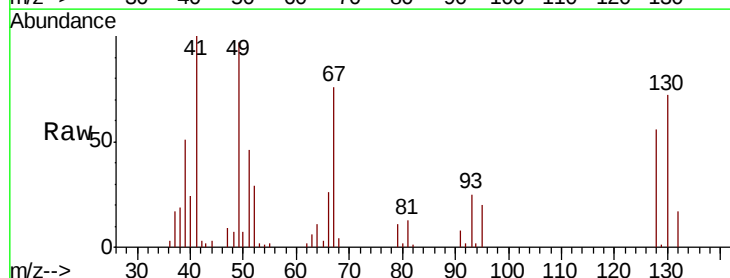
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



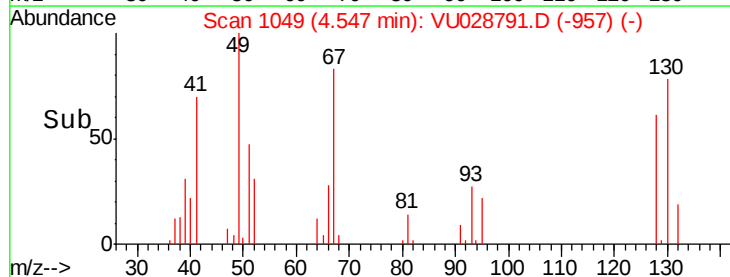
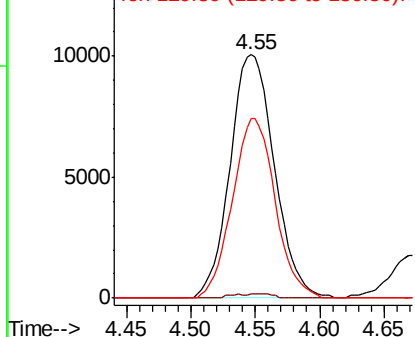
#28

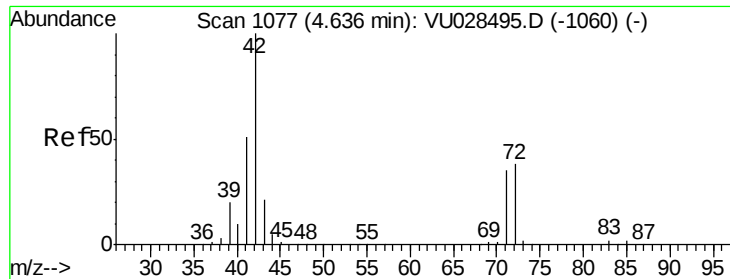
Bromochloromethane
Concen: 17.574 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU028791.D
Acq: 19 Dec 2018 14:08

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	3.0
130	71.0	47.8	71.8



Abundance Ion 48.90 (48.60 to 49.60): VU0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





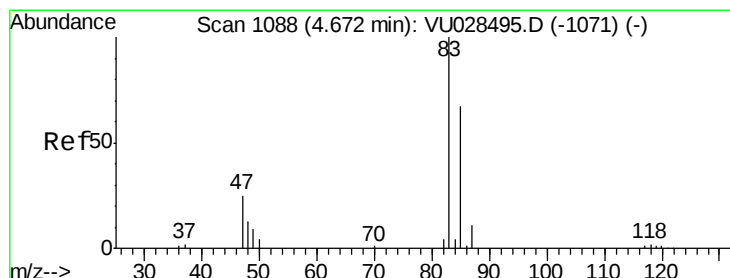
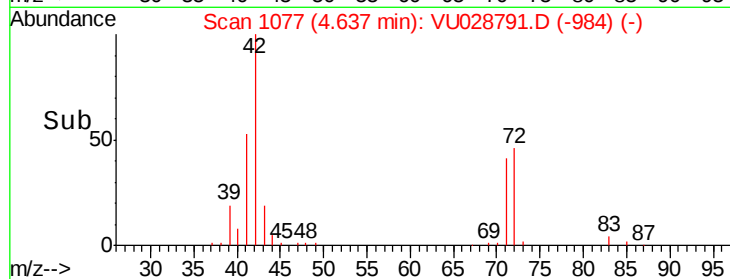
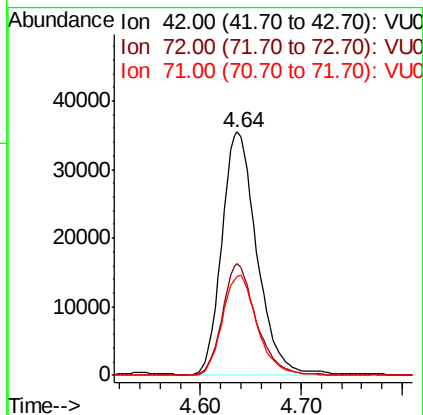
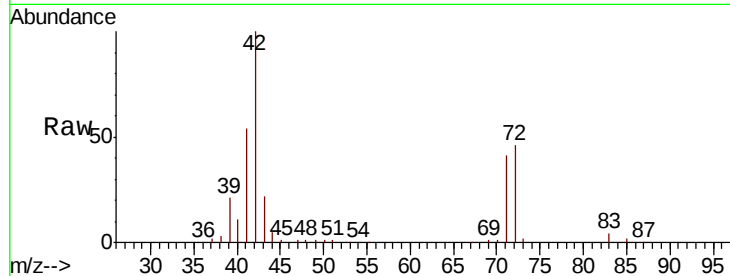
#29
Tetrahydrofuran
Concen: 87.731 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VU028791.D
Acq: 19 Dec 2018 14:08

Instrument :
MSVOA_U
ClientSampleId :
VU1219WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.2	31.4	47.0
71	40.6	28.6	43.0

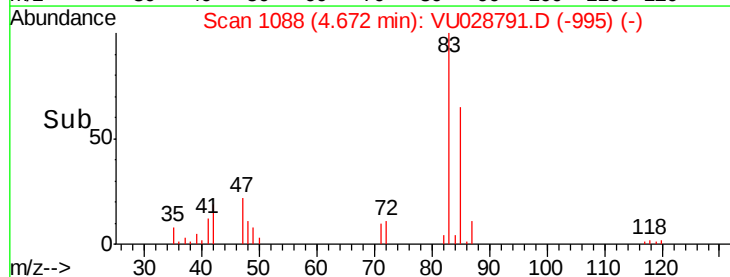
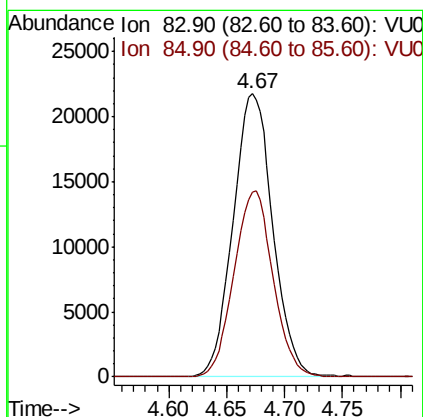
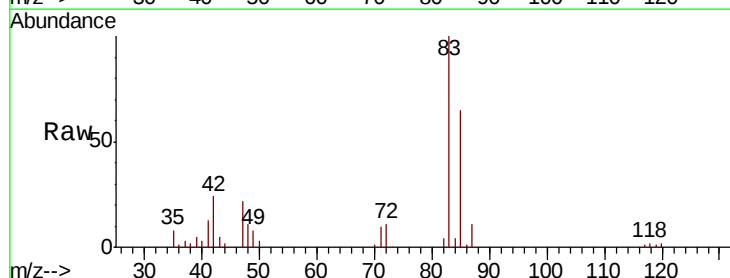
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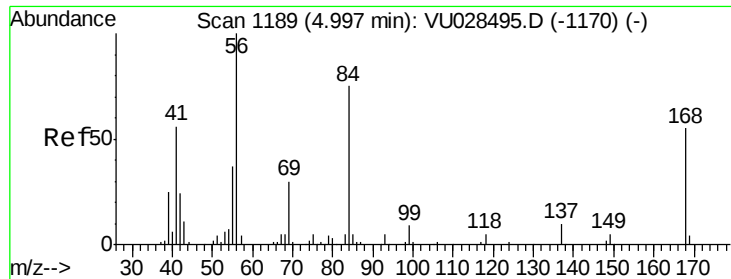
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12/20/2018 8:58:38 AM



#30
Chloroform
Concen: 19.673 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VU028791.D
Acq: 19 Dec 2018 14:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	53.6	80.4





#31

Cyclohexane

Concen: 17.477 ug/l

RT: 4.99 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VU028791.D

Acq: 19 Dec 2018 14:08

Instrument :

MSVOA_U

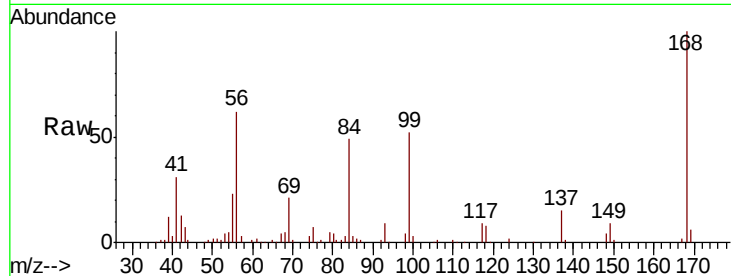
ClientSampleId :

VU1219WBS01

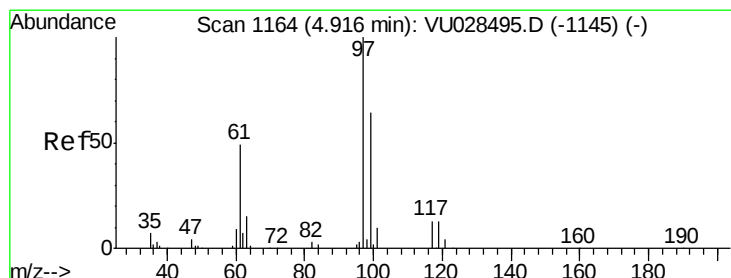
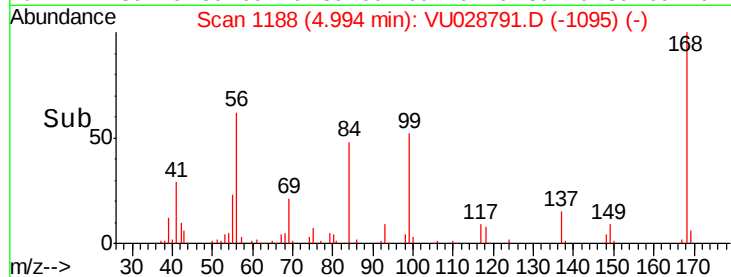
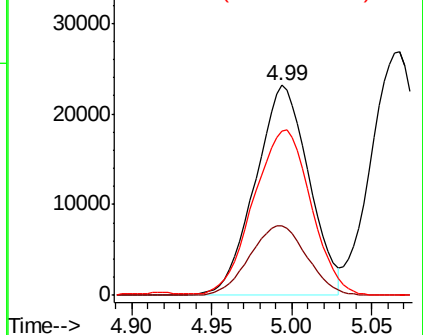
Tot Ion:	56	Resp:	53709
Ion Ratio	Lower	Upper	
56	100		
69	33.4	24.0	36.0
84	78.0	59.7	89.5

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Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0



#32

1,1,1-Trichloroethane

Concen: 19.171 ug/l

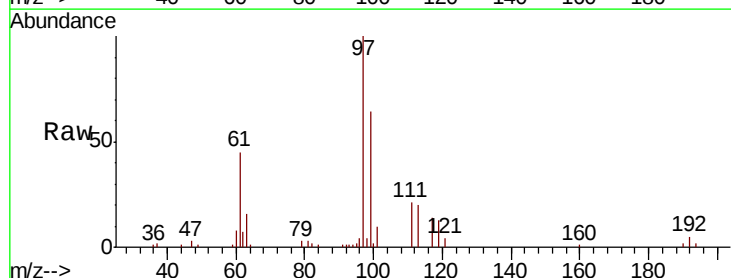
RT: 4.91 min Scan# 1163

Delta R.T. -0.00 min

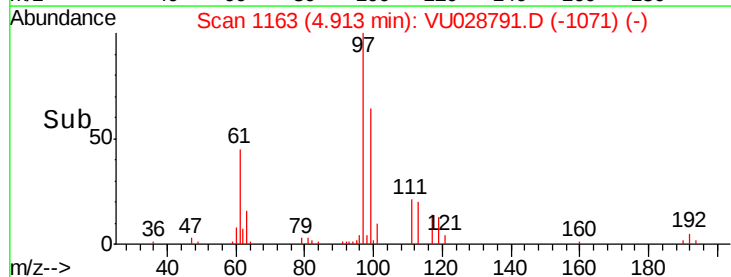
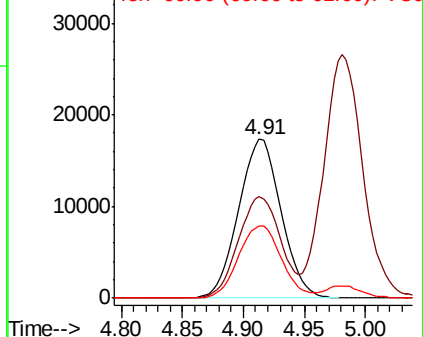
Lab File: VU028791.D

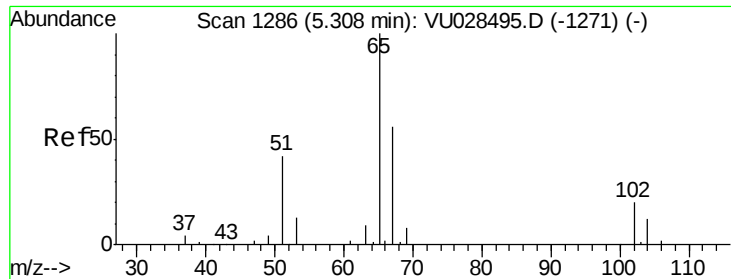
Acq: 19 Dec 2018 14:08

Tgt Ion:	97	Resp:	41837
Ion Ratio	Lower	Upper	
97	100		
99	63.7	52.3	78.5
61	46.0	39.0	58.6



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0





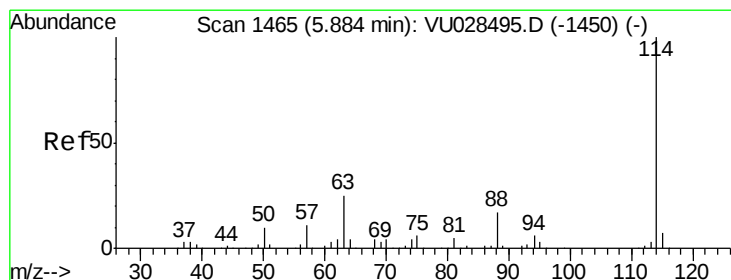
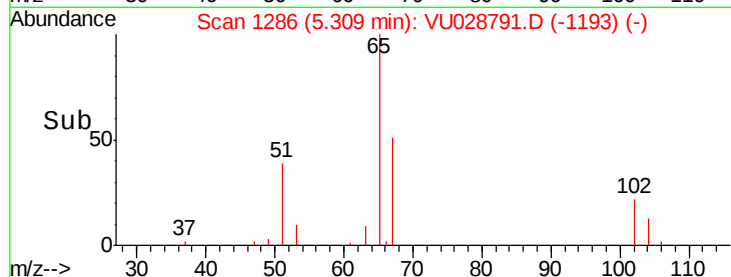
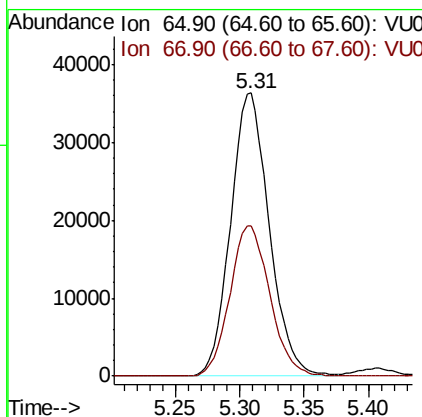
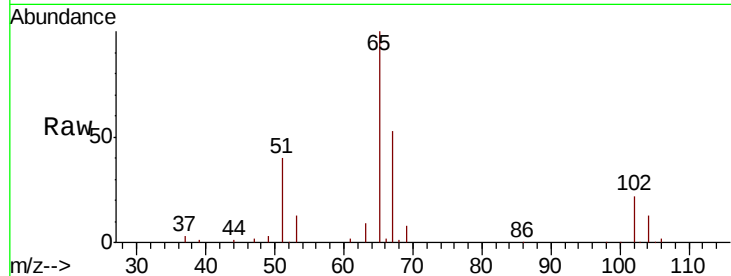
#33
 1,2-Dichloroethane-d4
 Concen: 44.127 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU028791.D
 Acq: 19 Dec 2018 14:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1219WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.9	0.0	110.6

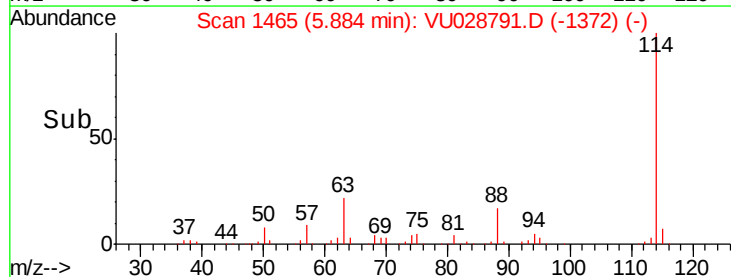
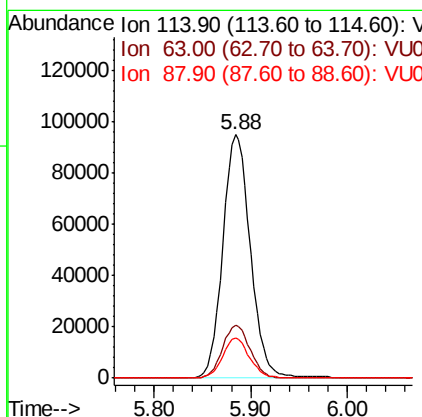
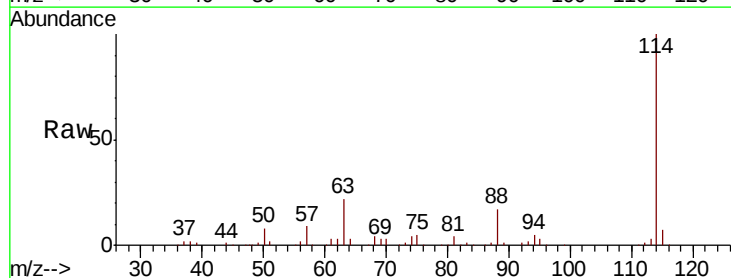
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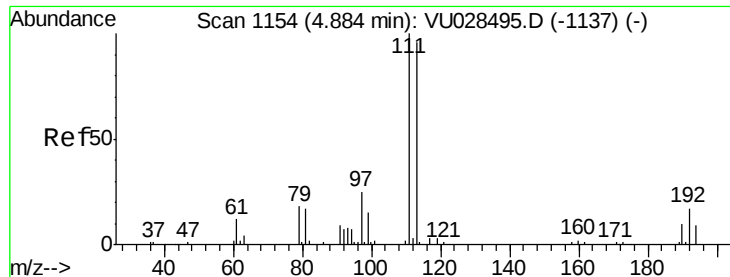
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 12/20/2018 8:58:38 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU028791.D
 Acq: 19 Dec 2018 14:08

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	49.2
88	16.6	0.0	33.4





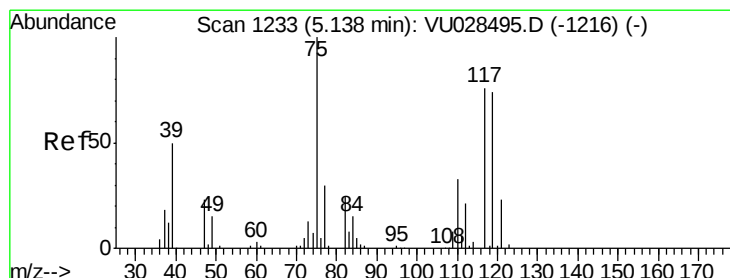
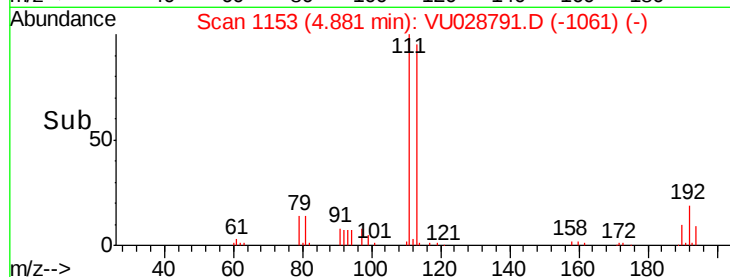
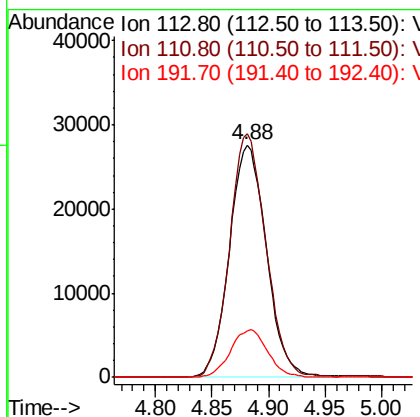
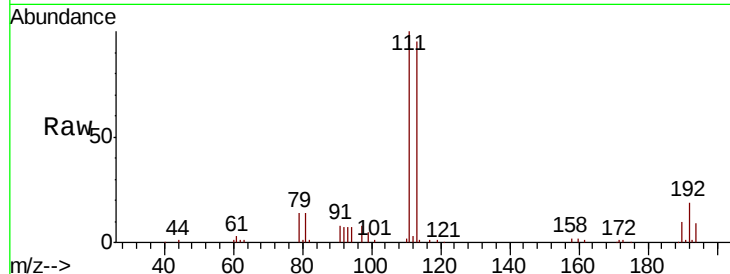
#35
Dibromofluoromethane
Concen: 53.074 ug/l
RT: 4.88 min Scan# 1153
Delta R.T. -0.00 min
Lab File: VU028791.D
Acq: 19 Dec 2018 14:08

Instrument :
MSVOA_U
ClientSampleId :
VU1219WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	62882		
111	102.8		83.4	125.0
192	20.6		14.8	22.2

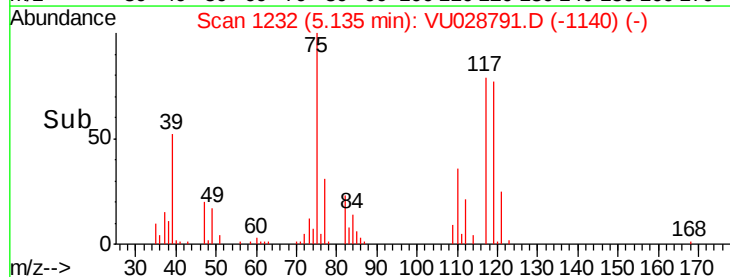
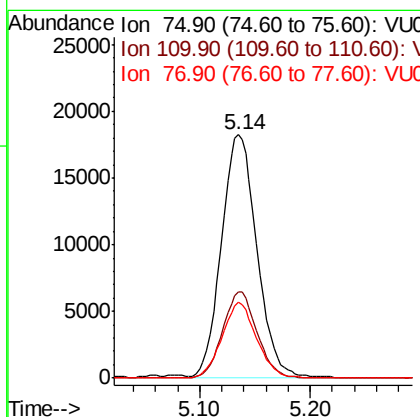
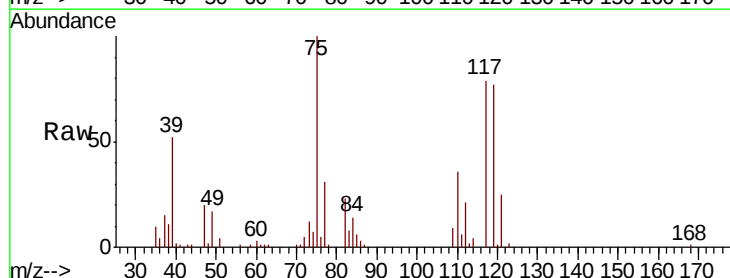
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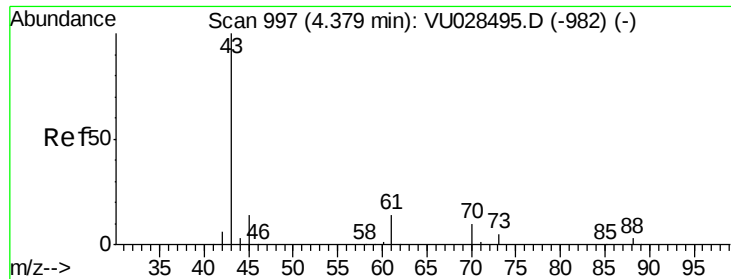
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#36
1,1-Dichloropropene
Concen: 19.794 ug/l
RT: 5.14 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU028791.D
Acq: 19 Dec 2018 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	40781		
110	34.1		16.1	48.2
77	30.2		24.5	36.7





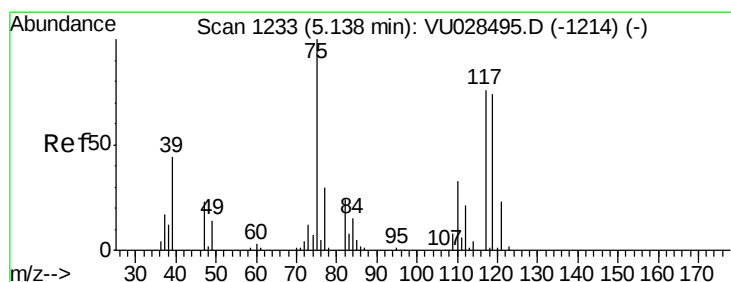
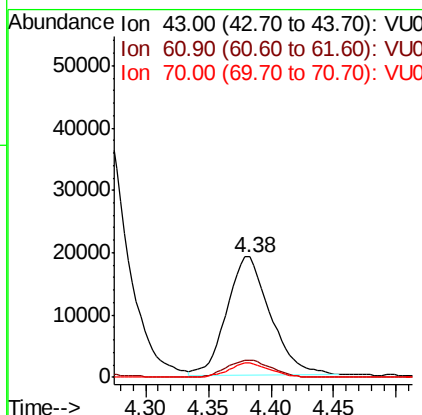
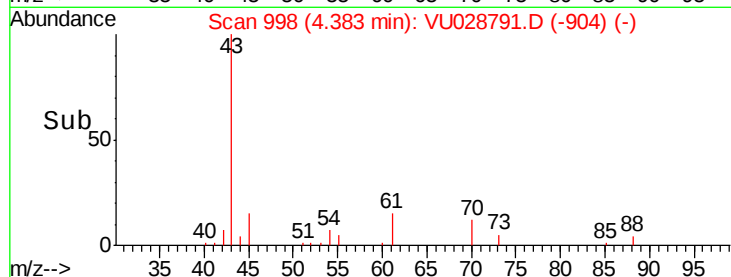
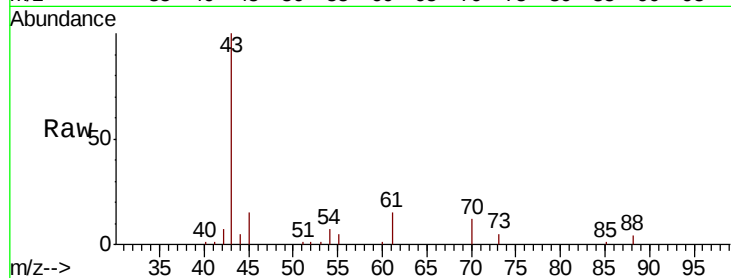
#37
Ethyl Acetate
Concen: 17.171 ug/l
RT: 4.38 min Scan# 998
Delta R.T. 0.00 min
Lab File: VU028791.D
Acq: 19 Dec 2018 14:08

Instrument :
MSVOA_U
ClientSampleId :
VU1219WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.0	16.4
70	11.5	7.4	11.0

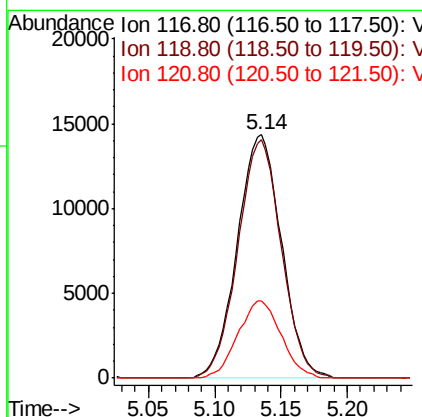
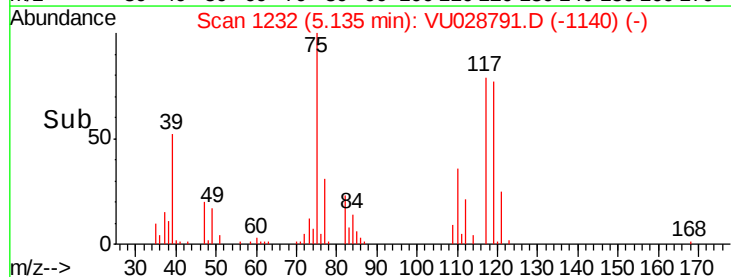
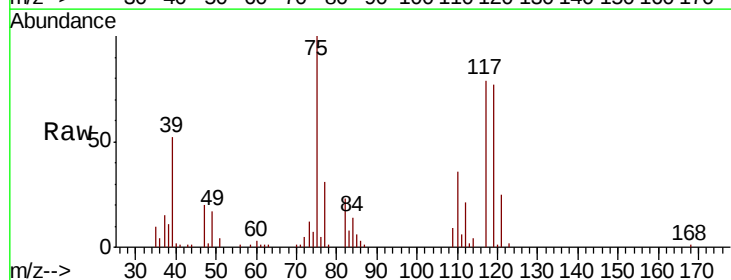
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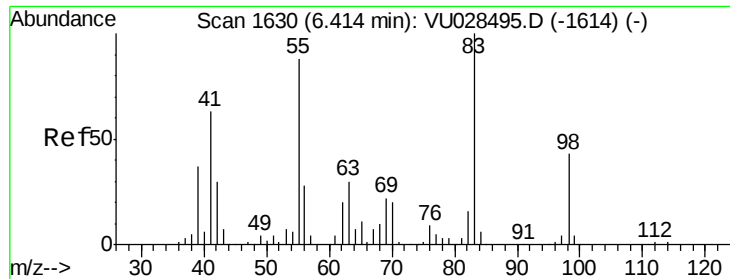
MMDadoda
12/20/2018 8:58:38 AM



#38
Carbon Tetrachloride
Concen: 19.999 ug/l
RT: 5.14 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU028791.D
Acq: 19 Dec 2018 14:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	77.6	116.4
121	31.5	24.6	36.8





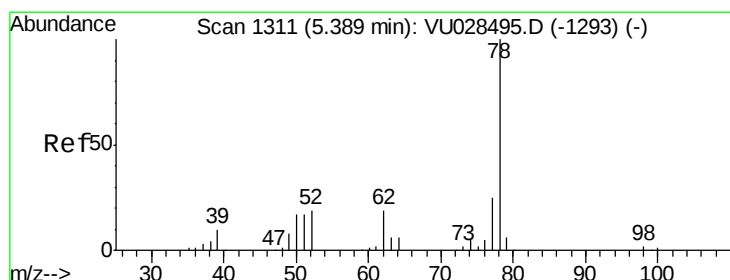
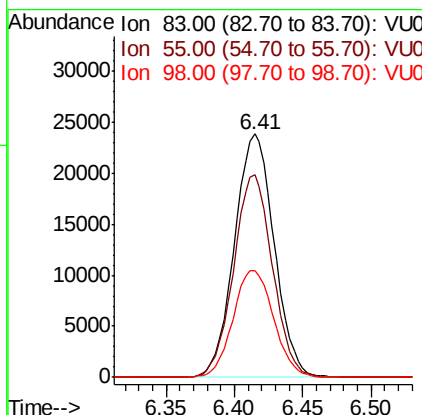
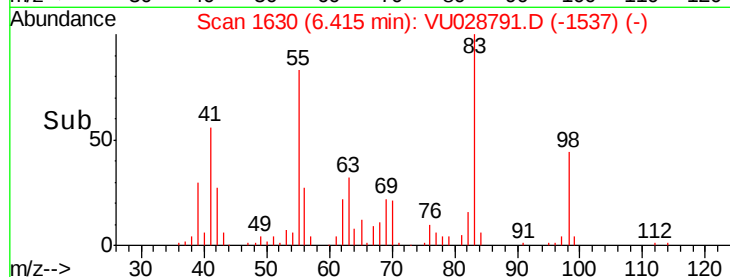
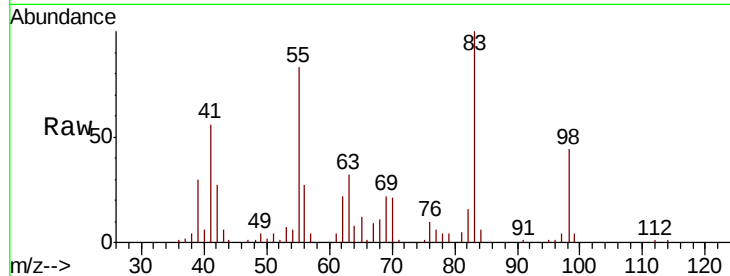
#39
Methvlcvclohexane
Concen: 19.186 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU028791.D
Acq: 19 Dec 2018 14:08

Instrument :
MSVOA_U
ClientSampleId :
VU1219WBS01

Tot Ion	83.00	Resp	48224
Ion	Ratio	Lower	Upper
83	100		
55	83.3	70.2	105.2
98	43.7	34.2	51.4

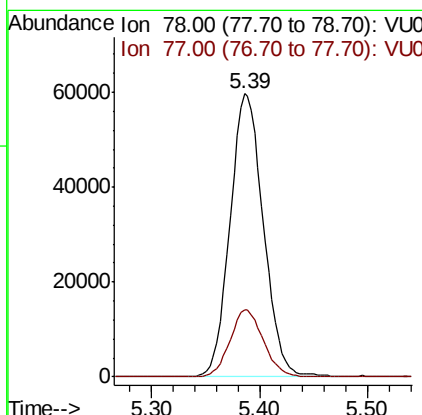
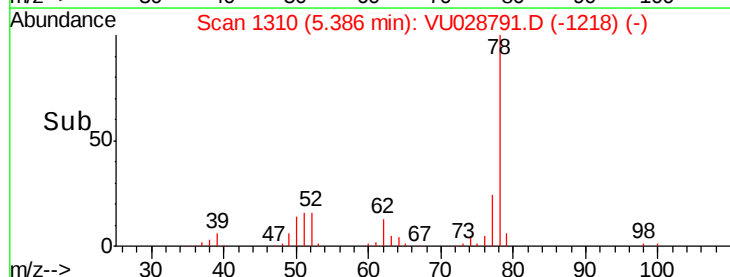
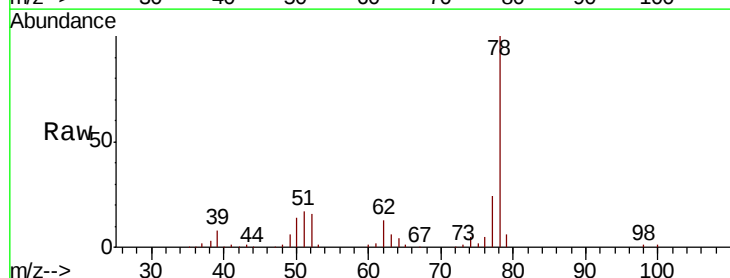
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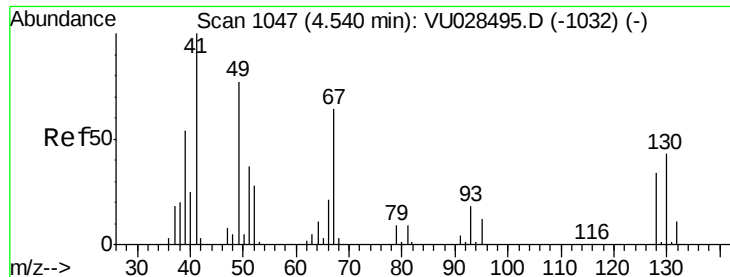
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#40
Benzene
Concen: 21.180 ug/l
RT: 5.39 min Scan# 1310
Delta R.T. -0.00 min
Lab File: VU028791.D
Acq: 19 Dec 2018 14:08

Tgt Ion	78.00	Resp	128514
Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.9	29.9





#41

Methacrylonitrile

Concen: 18.048 ug/l

RT: 4.54 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU028791.D

Acq: 19 Dec 2018 14:08

Instrument :

MSVOA_U

ClientSampleId :

VU1219WBS01

Tot Ion: 41 Resp: 26323

Ion Ratio Lower Upper

41 100

39 52.4 43.3 64.9

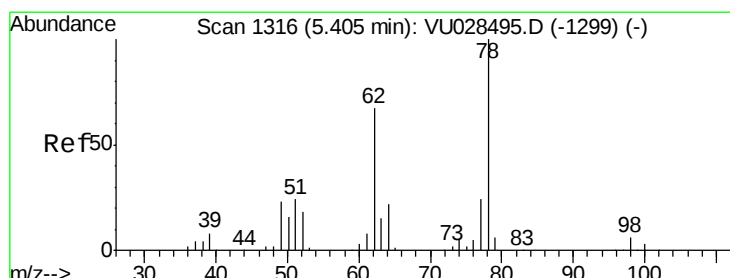
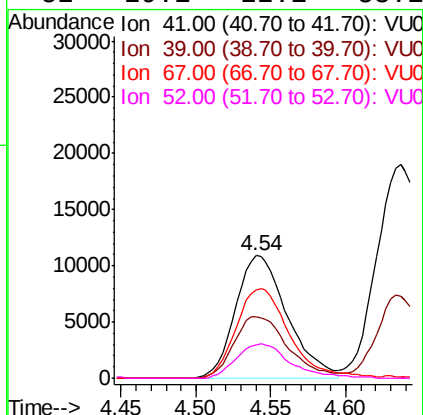
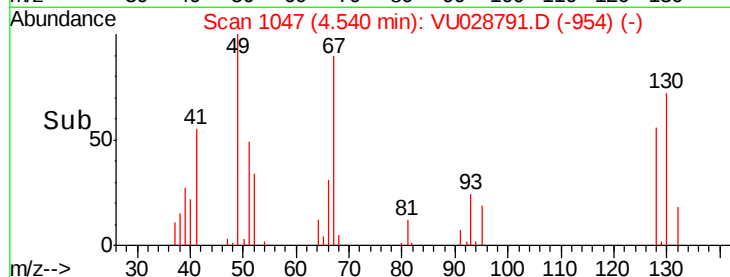
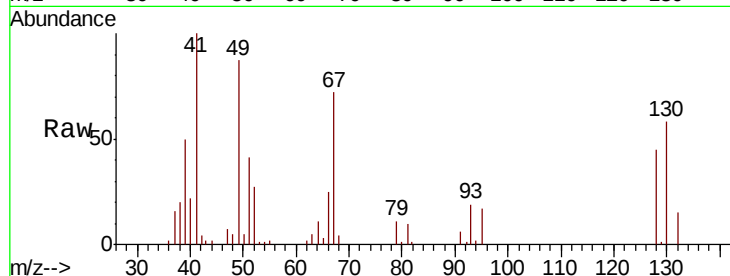
67 75.2 53.6 80.4

52 29.1 22.1 33.1

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#42

1,2-Dichloroethane

Concen: 18.849 ug/l

RT: 5.40 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VU028791.D

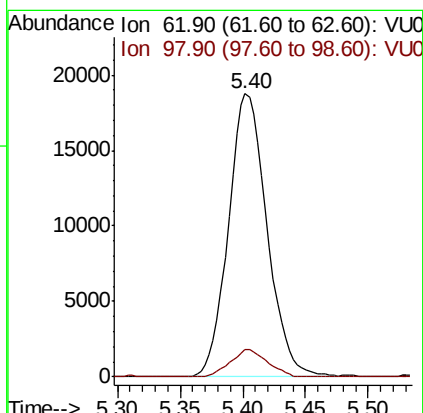
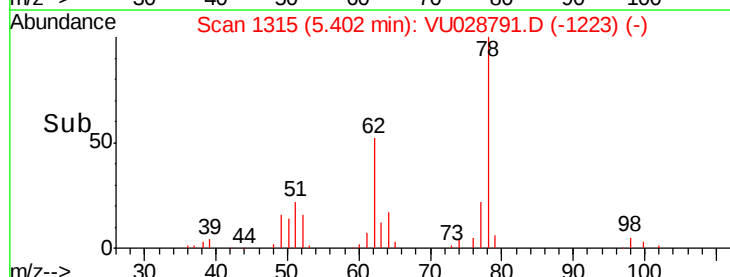
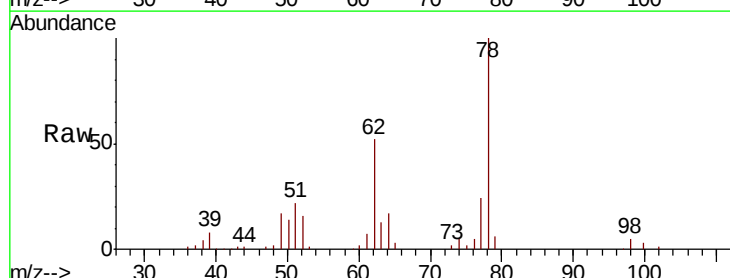
Acq: 19 Dec 2018 14:08

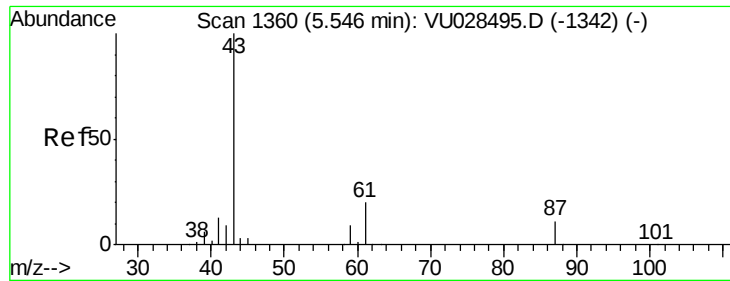
Tgt Ion: 62 Resp: 40035

Ion Ratio Lower Upper

62 100

98 9.3 0.0 17.2





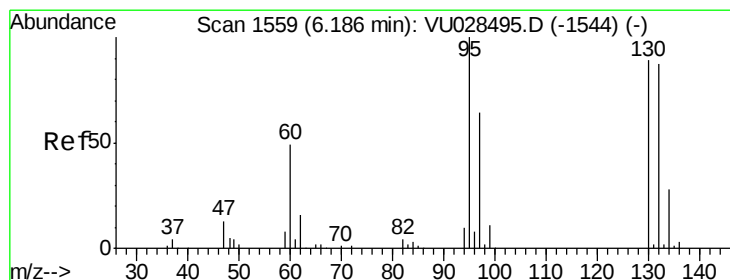
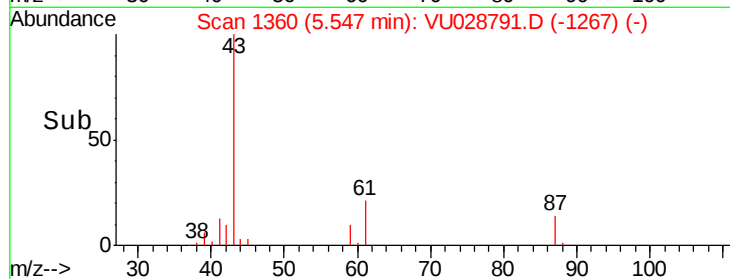
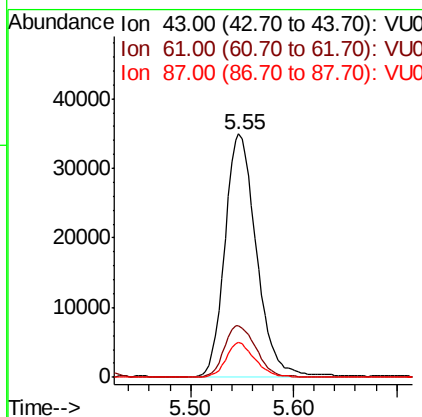
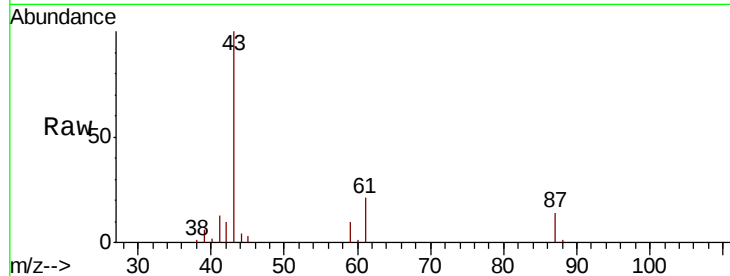
#43
Isopropyl Acetate
Concen: 17.765 ug/l
RT: 5.55 min Scan# 1360
Delta R.T. 0.00 min
Lab File: VU028791.D
Acq: 19 Dec 2018 14:08

Instrument :
MSVOA_U
ClientSampleId :
VU1219WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.3	15.5	23.3
87	13.1	8.7	13.1

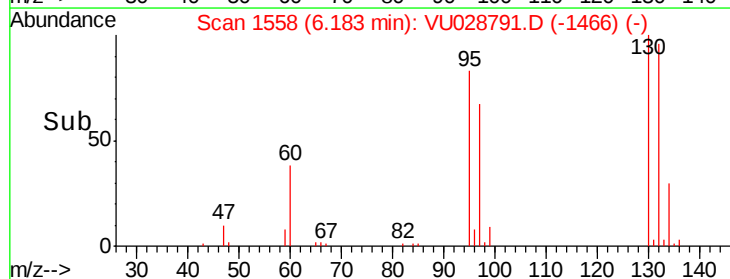
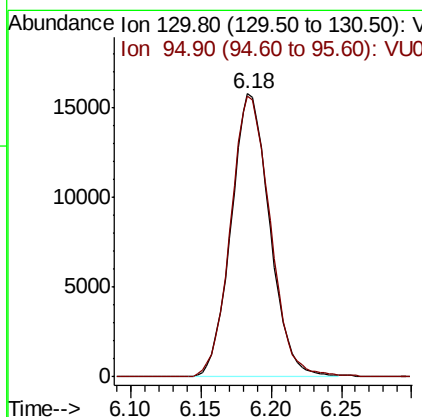
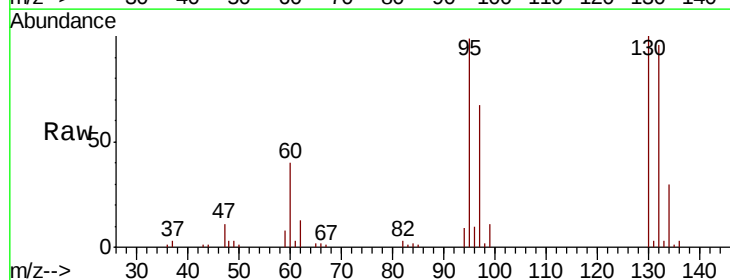
Manual Integrations
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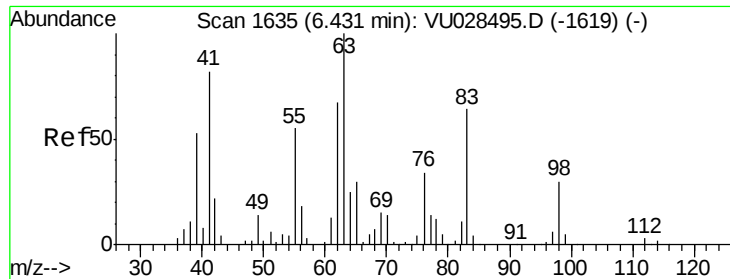
MMDadoda
12/20/2018 8:58:38 AM



#44
Trichloroethene
Concen: 22.326 ug/l
RT: 6.18 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VU028791.D
Acq: 19 Dec 2018 14:08

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	224.0





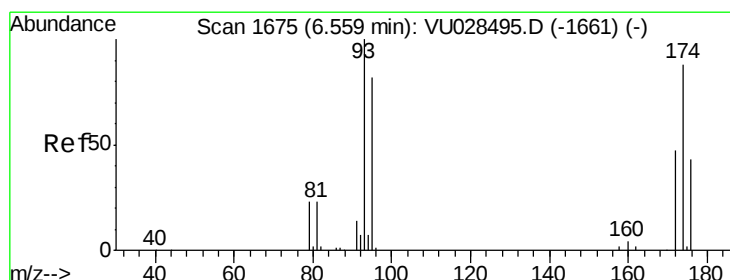
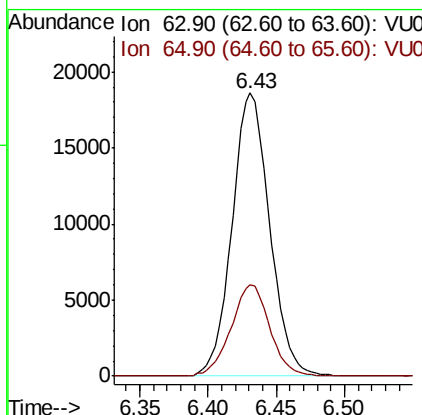
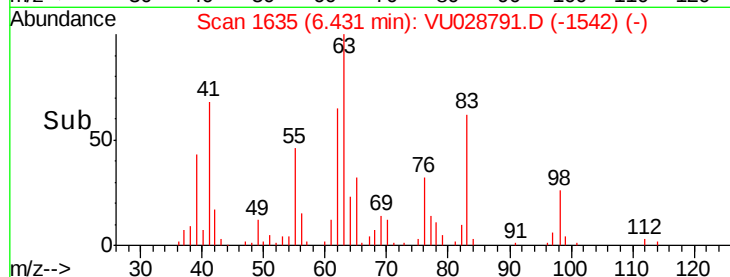
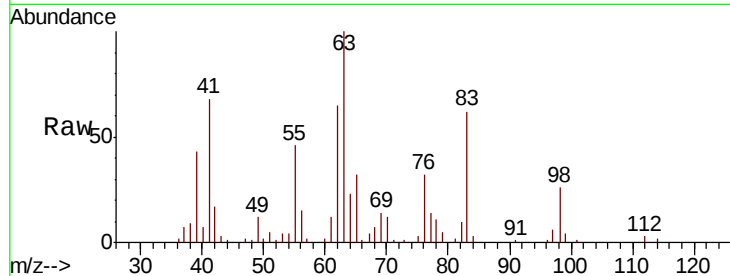
#45
 1,2-Dichloropropane
 Concen: 20.857 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VU028791.D
 Acq: 19 Dec 2018 14:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1219WBS01

Tot Ion: 63 Resp: 35588
 Ion Ratio Lower Upper
 63 100
 65 32.4 24.2 36.4

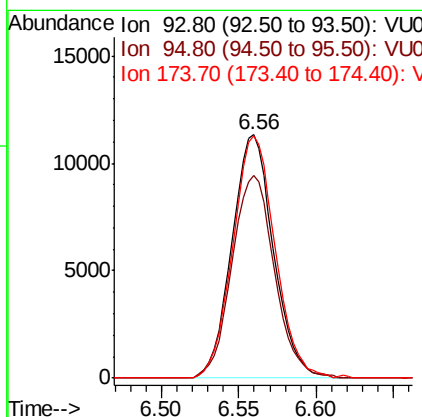
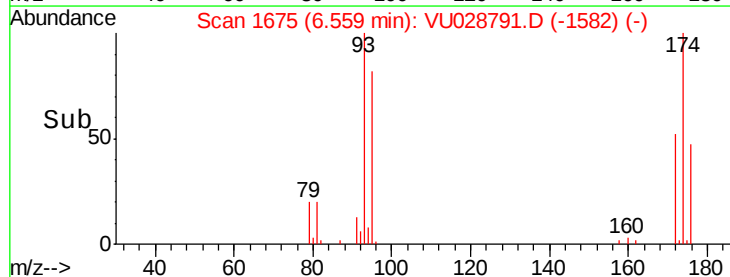
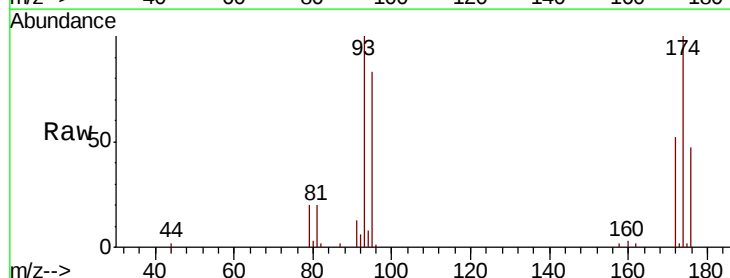
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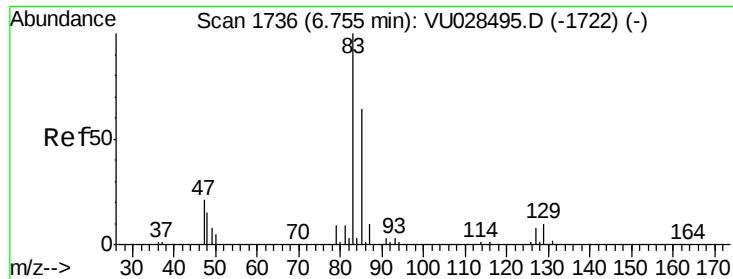
MMDadoda
 12/20/2018 8:58:38 AM



#46
 Dibromomethane
 Concen: 20.864 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. 0.00 min
 Lab File: VU028791.D
 Acq: 19 Dec 2018 14:08

Tgt Ion: 93 Resp: 21123
 Ion Ratio Lower Upper
 93 100
 95 85.5 65.4 98.2
 174 101.4 72.2 108.4





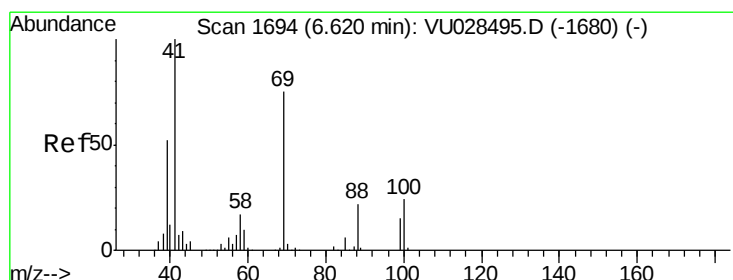
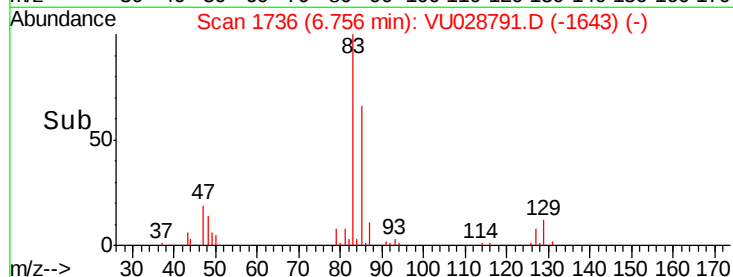
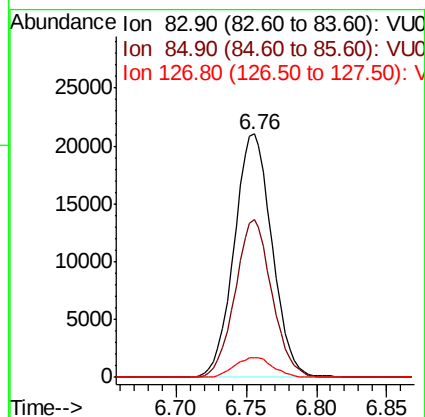
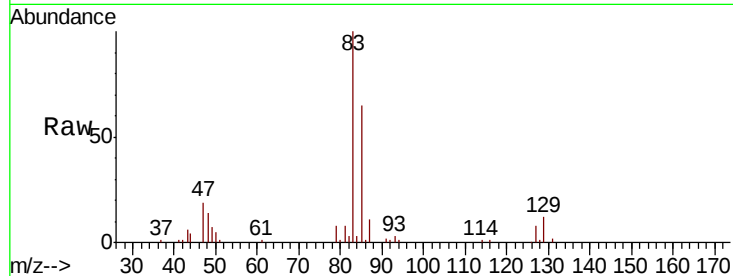
#47
Bromodichloromethane
Concen: 20.026 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VU028791.D
Acq: 19 Dec 2018 14:08

Instrument :
MSVOA_U
ClientSampleId :
VU1219WBS01

Tot Ion	83	Resp	39454
Ion Ratio	100	Lower	Upper
83	100		
85	64.7	51.5	77.3
127	8.3	6.2	9.4

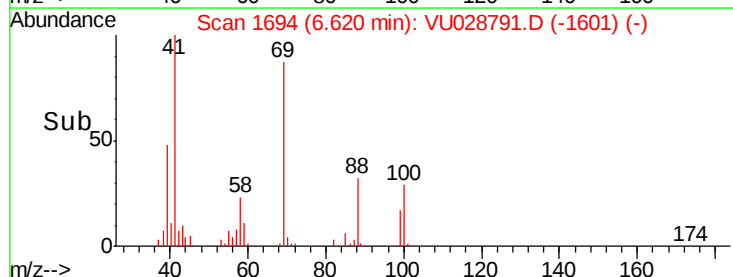
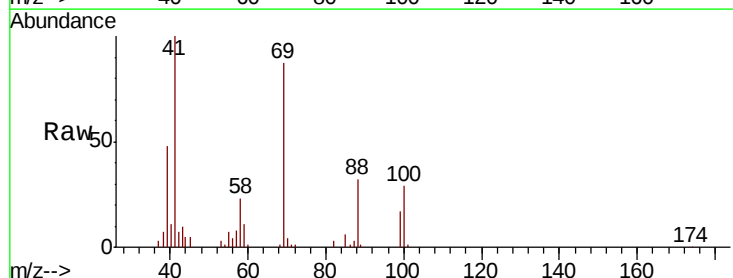
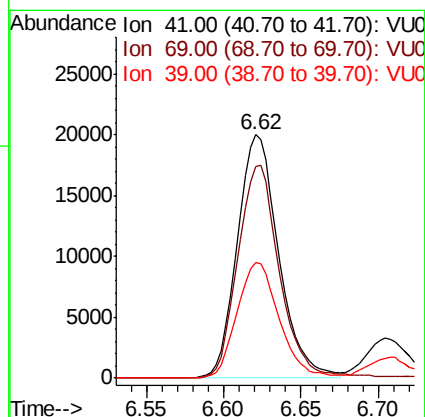
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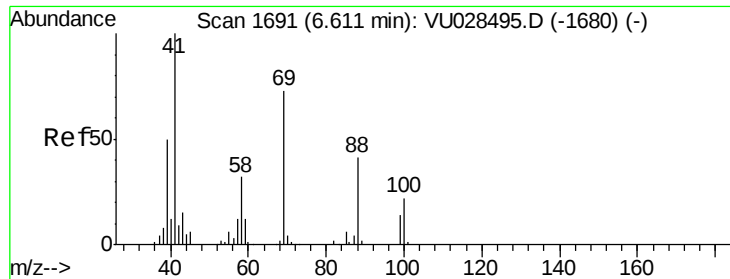
MMDadoda
12/20/2018 8:58:38 AM



#48
Methyl methacrylate
Concen: 17.770 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VU028791.D
Acq: 19 Dec 2018 14:08

Tgt Ion	41	Resp	37226
Ion Ratio	100	Lower	Upper
41	100		
69	88.5	60.4	90.6
39	48.4	41.1	61.7





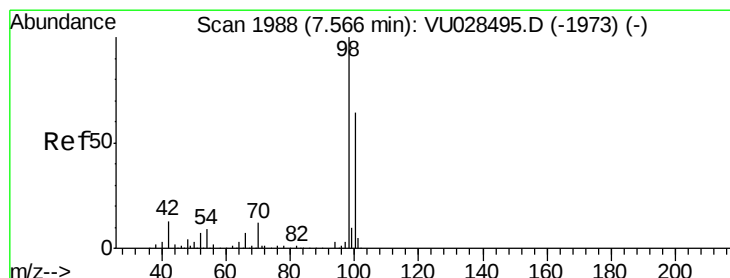
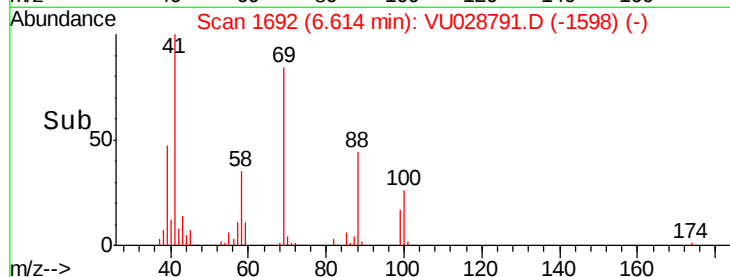
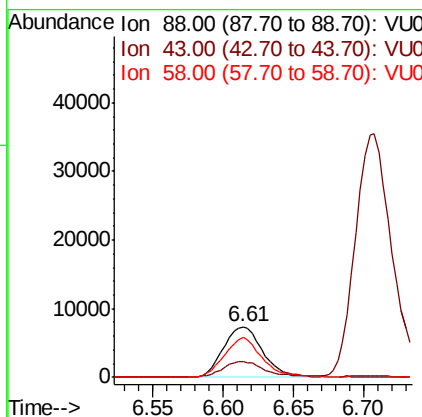
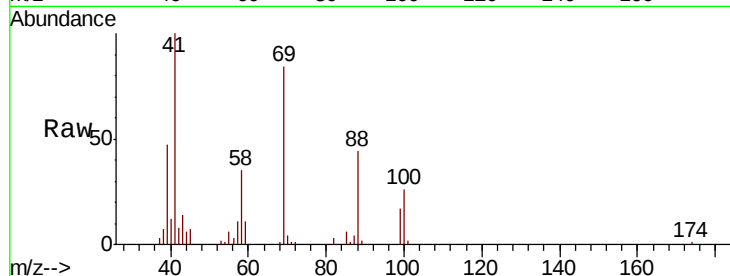
#49
1,4-Dioxane
Concen: 441.298 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028791.D
Acq: 19 Dec 2018 14:08

Instrument :
MSVOA_U
ClientSampleId :
VU1219WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.9	30.9	46.3
58	74.3	62.4	93.6

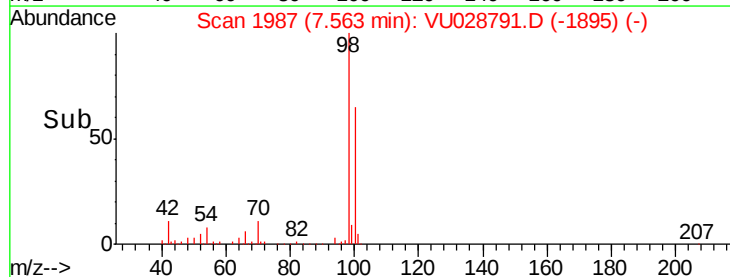
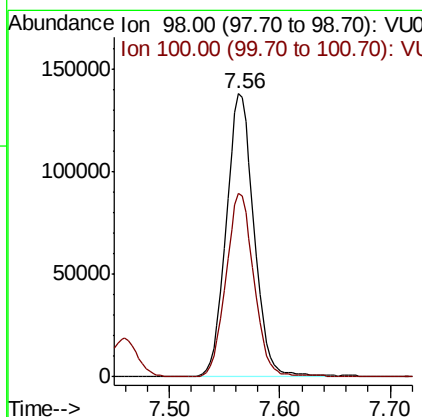
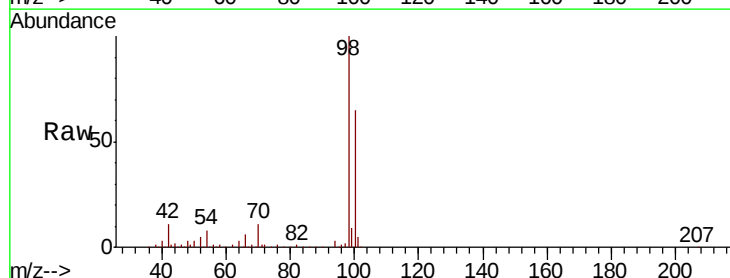
Manual Integrations
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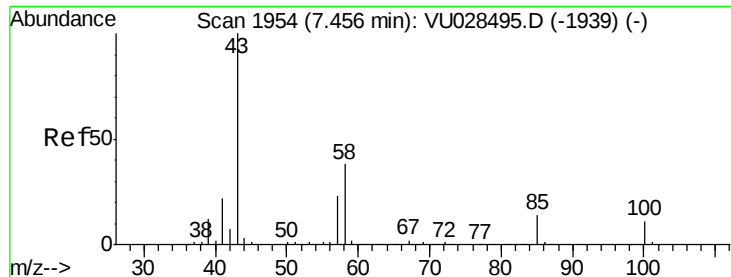
MMDadoda
12/20/2018 8:58:38 AM



#50
Toluene-d8
Concen: 51.539 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028791.D
Acq: 19 Dec 2018 14:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 89.491 ug/l

RT: 7.46 min Scan# 1954

Delta R.T. 0.00 min

Lab File: VU028791.D

Acq: 19 Dec 2018 14:08

Instrument :

MSVOA_U

ClientSampleId :

VU1219WBS01

Tot Ion: 43 Resp: 237766

Ion Ratio Lower Upper

43 100

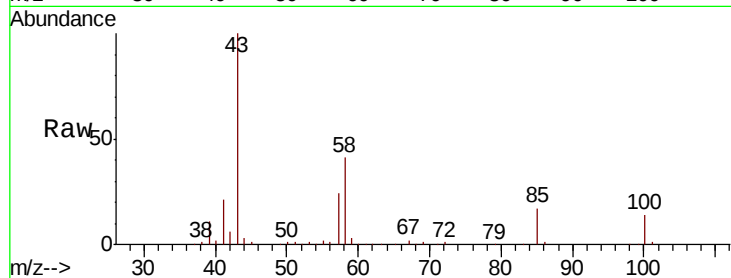
58 41.1 30.2 45.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.46

150000

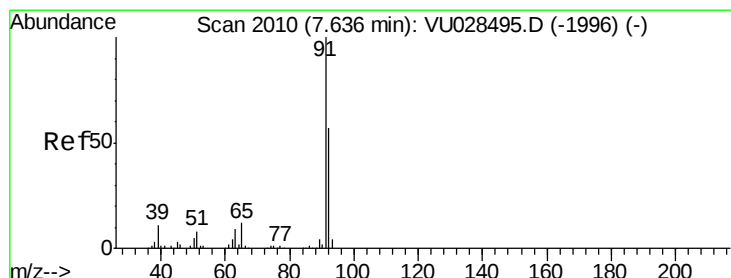
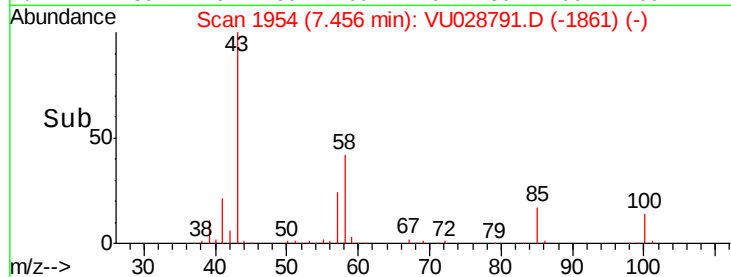
100000

50000

0

7.35 7.40 7.45 7.50 7.55

Time-->



#52

Toluene

Concen: 21.348 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028791.D

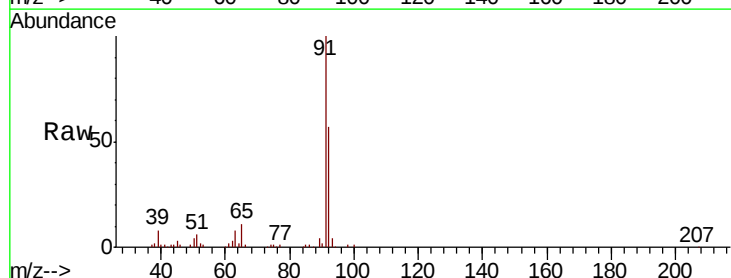
Acq: 19 Dec 2018 14:08

Tgt Ion: 92 Resp: 76236

Ion Ratio Lower Upper

92 100

91 173.6 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

7.64

80000

60000

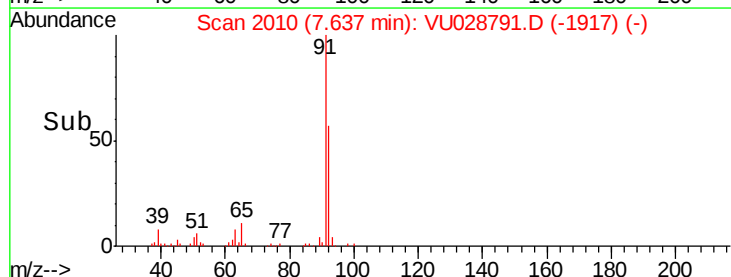
40000

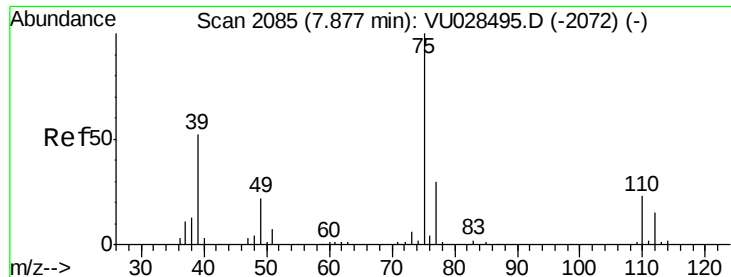
20000

0

7.55 7.60 7.65 7.70 7.75

Time-->





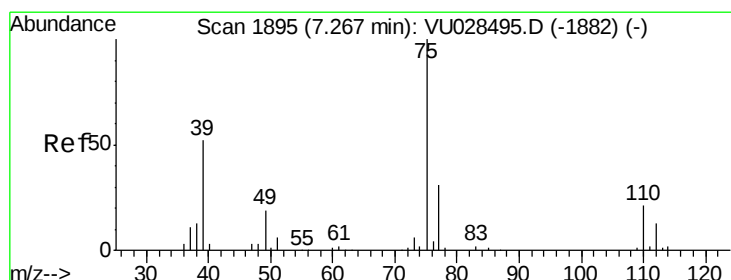
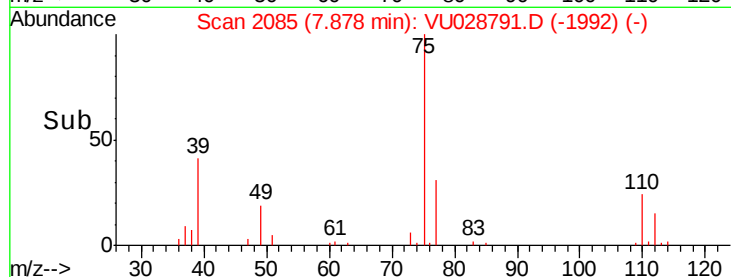
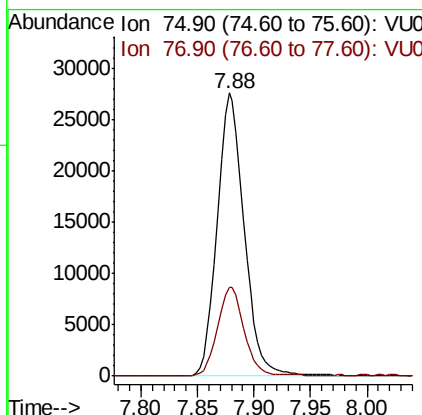
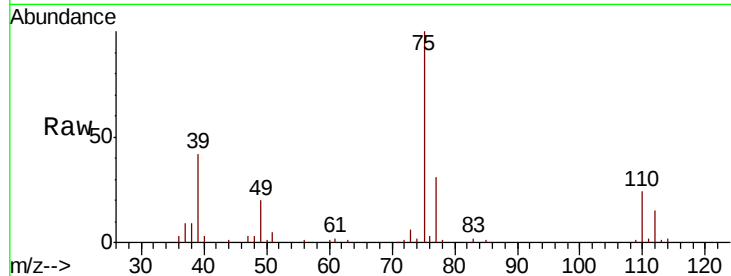
#53
t-1,3-Dichloropropene
Concen: 19.574 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. 0.00 min
Lab File: VU028791.D
Acq: 19 Dec 2018 14:08

Instrument :
MSVOA_U
ClientSampleId :
VU1219WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.2	36.4

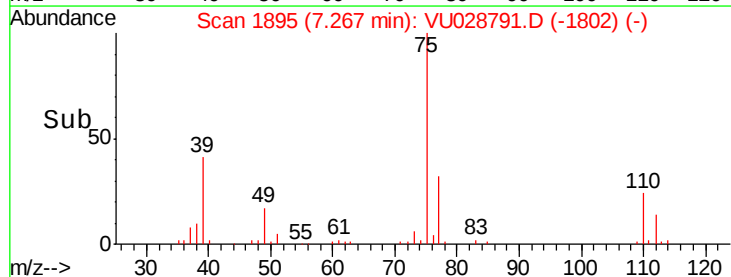
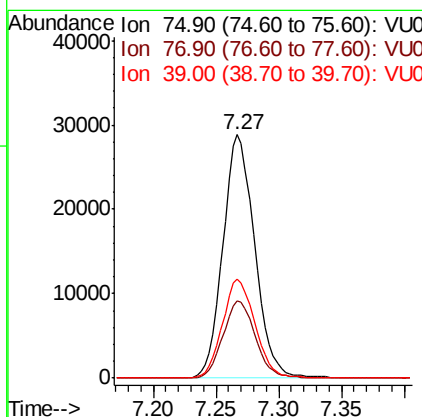
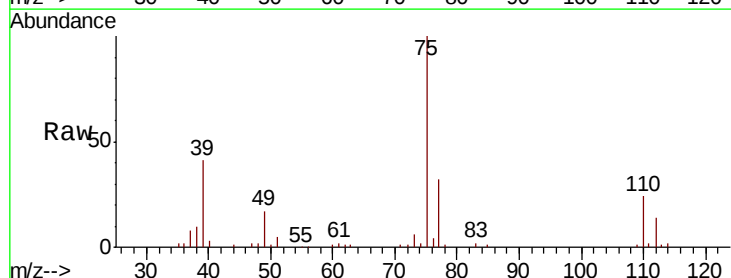
Manual Integrations
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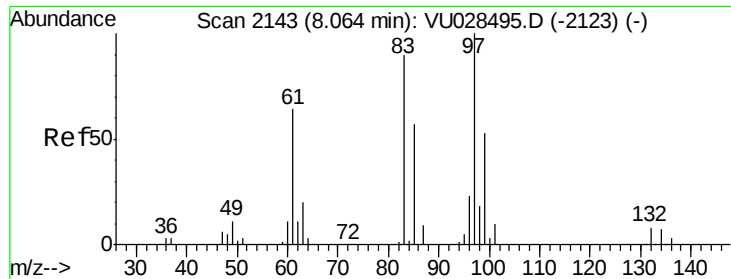
MMDadoda
12/20/2018 8:58:38 AM



#54
cis-1,3-Dichloropropene
Concen: 19.882 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. 0.00 min
Lab File: VU028791.D
Acq: 19 Dec 2018 14:08

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.0	37.4
39	40.8	41.3	61.9#





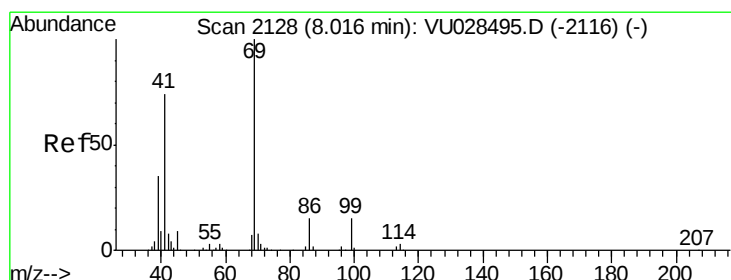
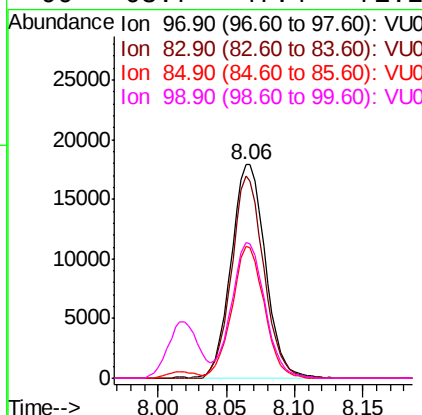
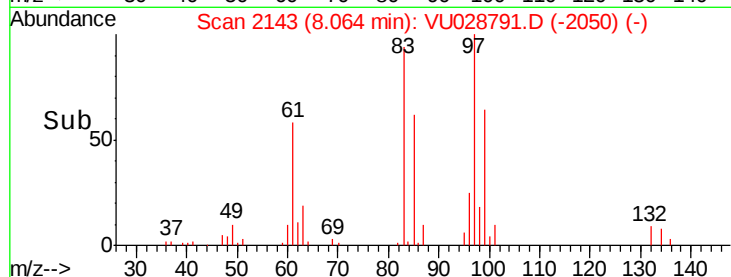
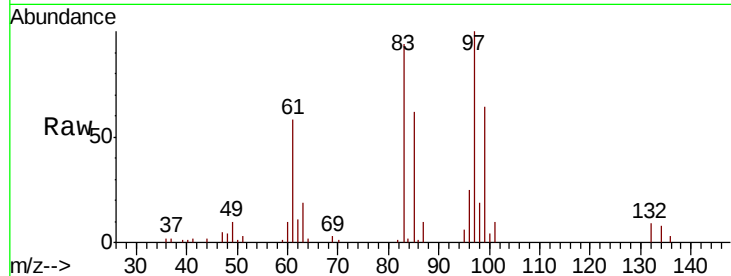
#55
 1,1,2-Trichloroethane
 Concen: 22.168 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VU028791.D
 Acq: 19 Dec 2018 14:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1219WBS01

Tot Ion:	97	Resp:	31292
Ion	Ratio	Lower	Upper
97	100		
83	94.5	72.4	108.6
85	61.8	46.0	69.0
99	63.7	47.4	71.2

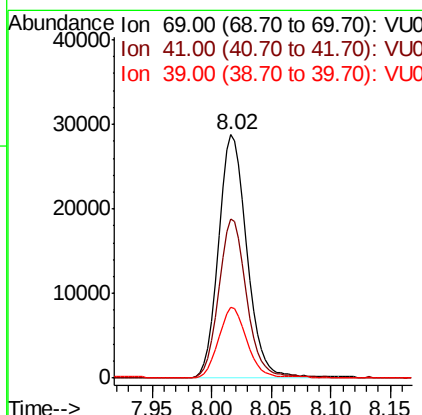
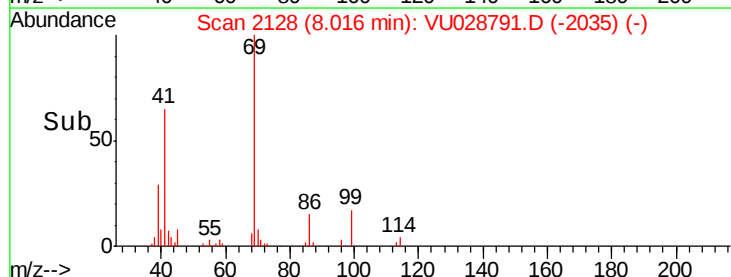
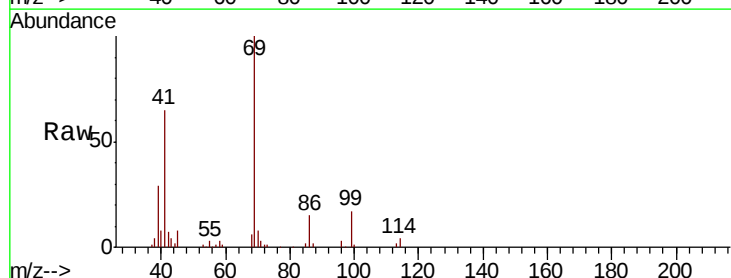
Manual Integrations
 APPROVED

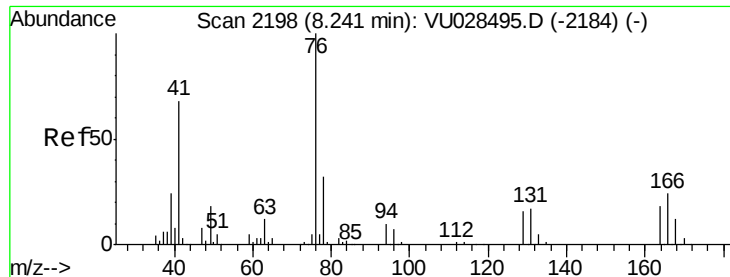
MMDadoda
 12/20/2018 8:58:38 AM



#56
 Ethyl methacrylate
 Concen: 19.772 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. 0.00 min
 Lab File: VU028791.D
 Acq: 19 Dec 2018 14:08

Tgt Ion:	69	Resp:	47796
Ion	Ratio	Lower	Upper
69	100		
41	64.3	59.1	88.7
39	29.2	28.4	42.6





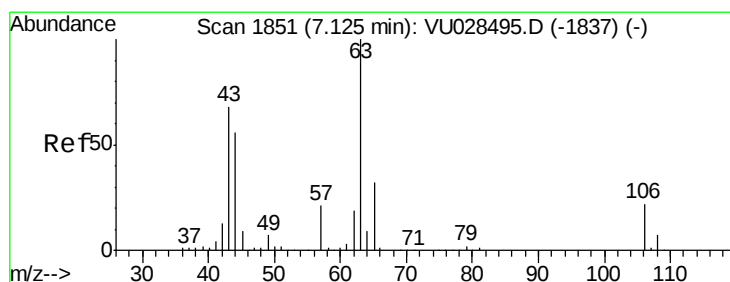
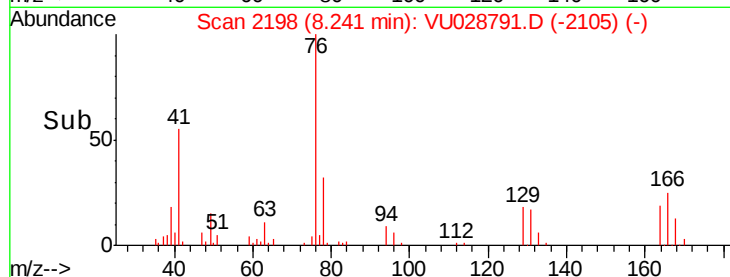
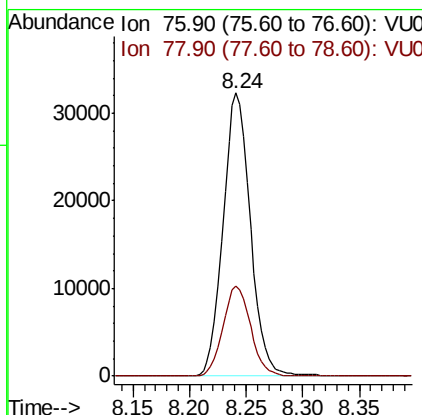
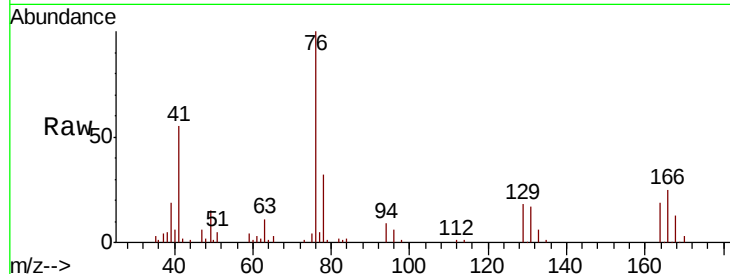
#57
 1,3-Dichloropropane
 Concen: 20.708 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU028791.D
 Acq: 19 Dec 2018 14:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1219WBS01

Tot Ion: 76 Resp: 54262
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.2 37.8

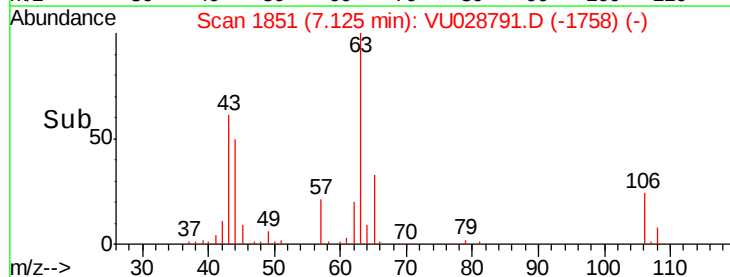
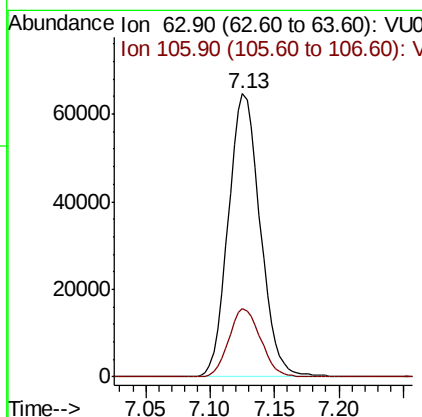
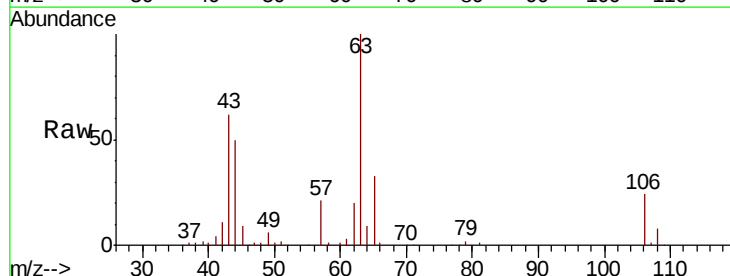
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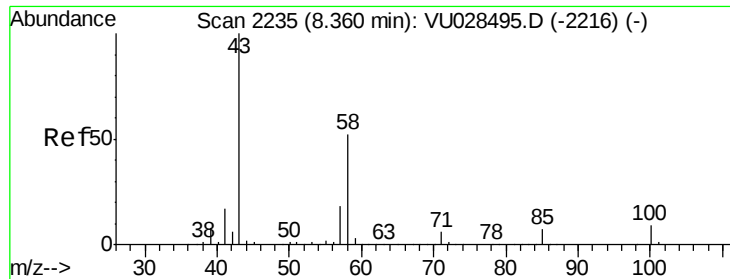
MMDadoda
 12/20/2018 8:58:38 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 89.813 ug/l
 RT: 7.13 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VU028791.D
 Acq: 19 Dec 2018 14:08

Tgt Ion: 63 Resp: 111202
 Ion Ratio Lower Upper
 63 100
 106 24.0 17.8 26.6





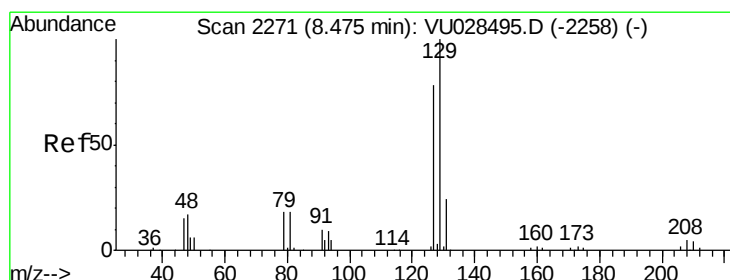
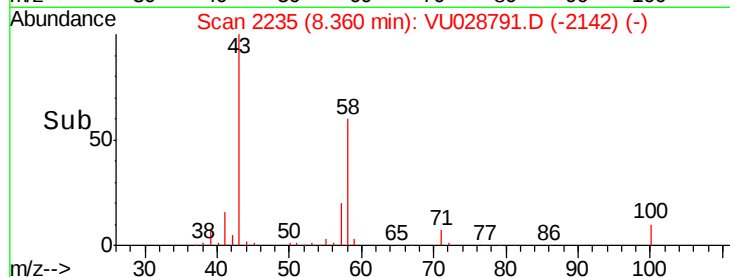
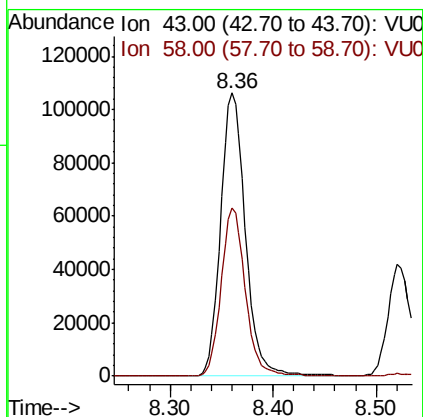
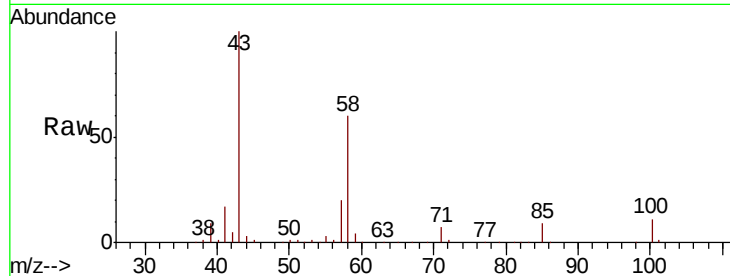
#59
2-Hexanone
Concen: 84.564 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU028791.D
Acq: 19 Dec 2018 14:08

Instrument :
MSVOA_U
ClientSampleId :
VU1219WBS01

Tot Ion: 43 Resp: 178079
Ion Ratio Lower Upper
43 100
58 57.9 25.9 77.6

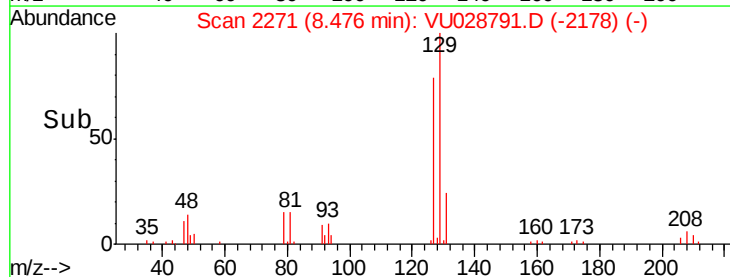
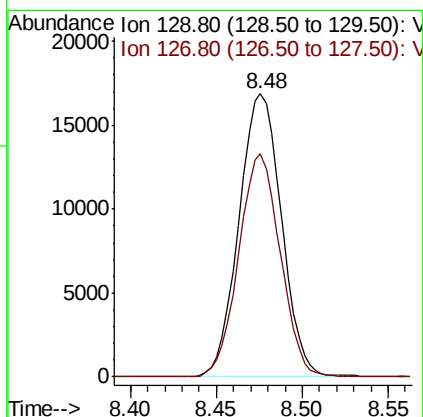
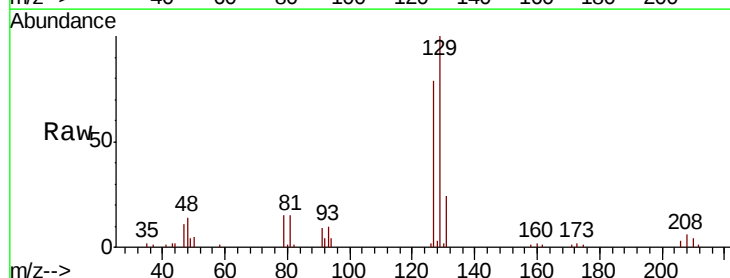
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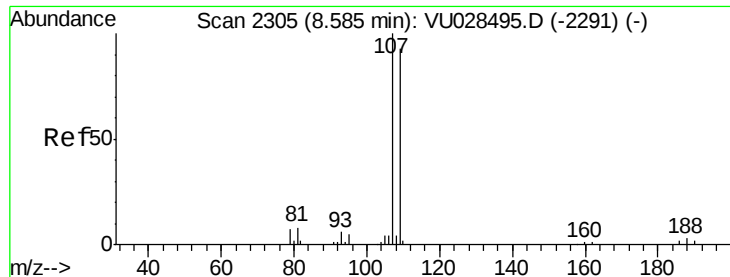
MMDadoda
12/20/2018 8:58:38 AM



#60
Dibromochloromethane
Concen: 20.918 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU028791.D
Acq: 19 Dec 2018 14:08

Tgt Ion: 129 Resp: 28910
Ion Ratio Lower Upper
129 100
127 76.9 39.1 117.3





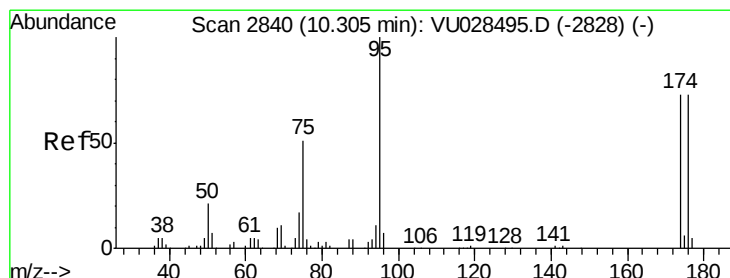
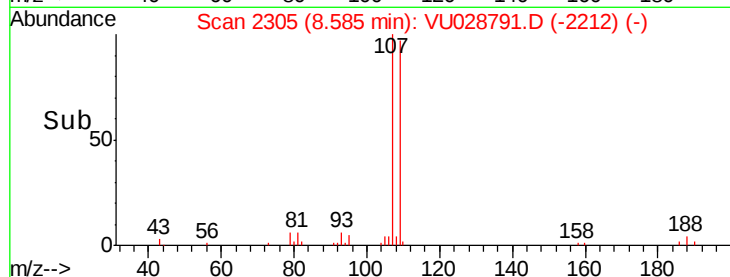
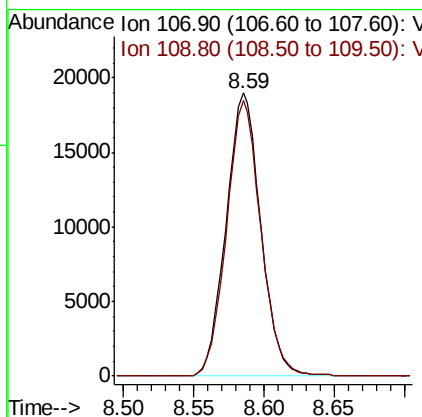
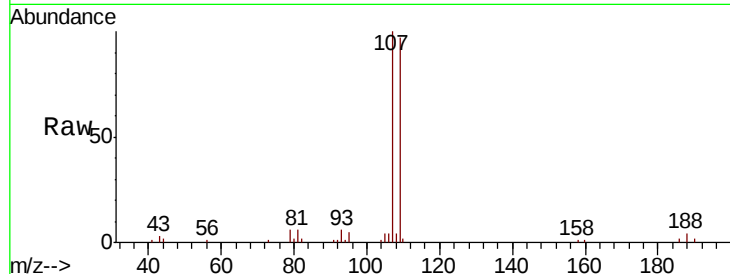
#61
 1,2-Dibromoethane
 Concen: 21.969 ug/l
 RT: 8.59 min Scan# 2305
 Delta R.T. 0.00 min
 Lab File: VU028791.D
 Acq: 19 Dec 2018 14:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1219WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.4	74.5	111.7

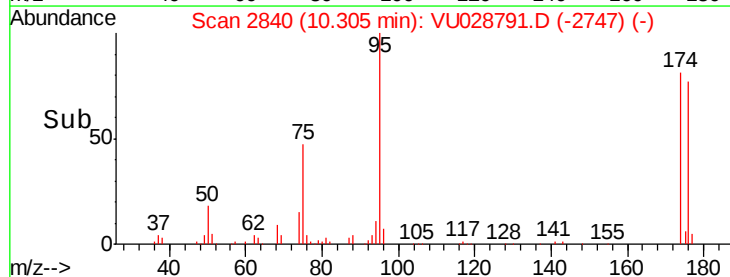
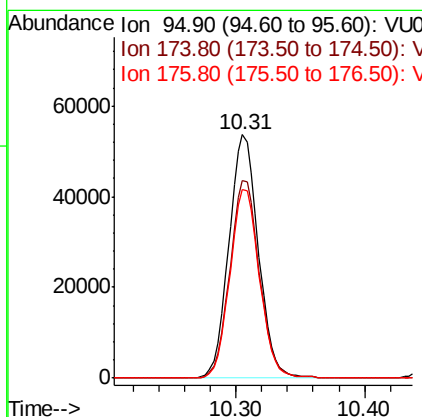
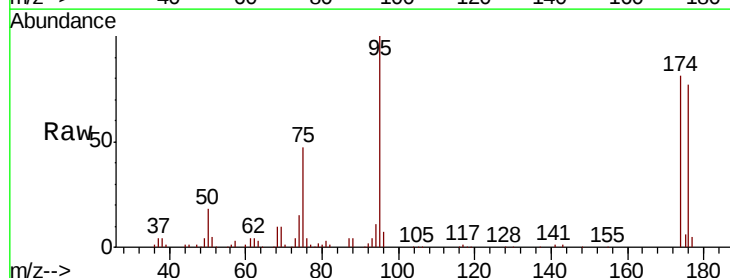
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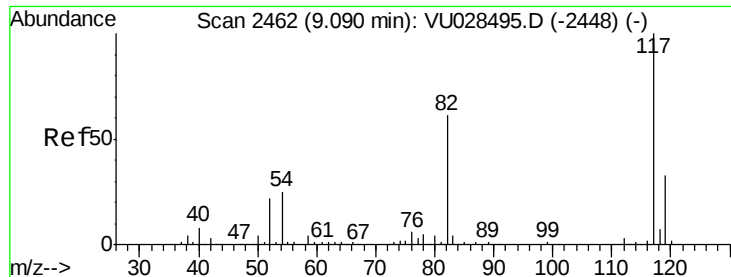
MMDadoda
 12/20/2018 8:58:38 AM



#62
 4-Bromofluorobenzene
 Concen: 48.475 ug/l
 RT: 10.31 min Scan# 2840
 Delta R.T. 0.00 min
 Lab File: VU028791.D
 Acq: 19 Dec 2018 14:08

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.6	0.0	150.4
176	78.1	0.0	145.2





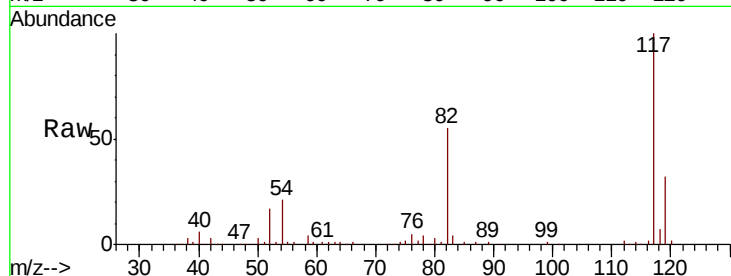
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028791.D
Acq: 19 Dec 2018 14:08

Instrument :
MSVOA_U
ClientSampleId :
VU1219WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.3	48.9	73.3
119	32.2	26.2	39.4

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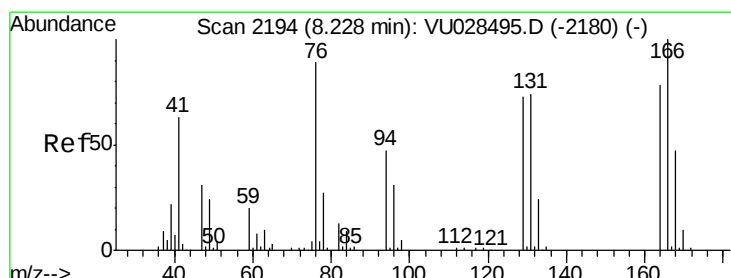
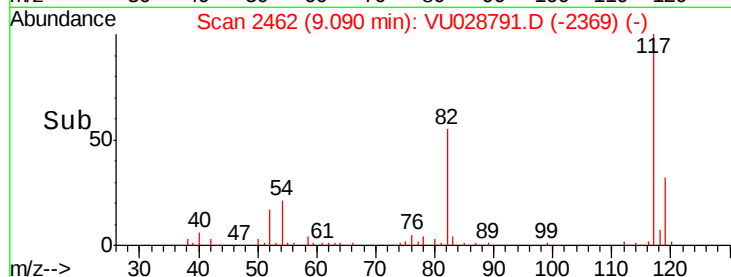
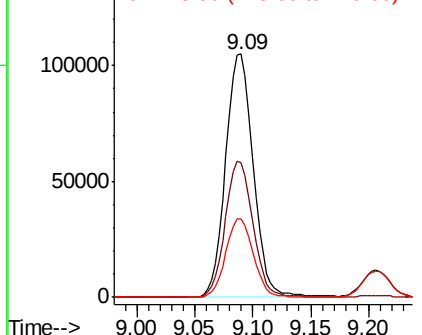


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 22.029 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028791.D
Acq: 19 Dec 2018 14:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.4	101.9	152.9
129	96.0	74.9	112.3
131	90.5	75.4	113.0

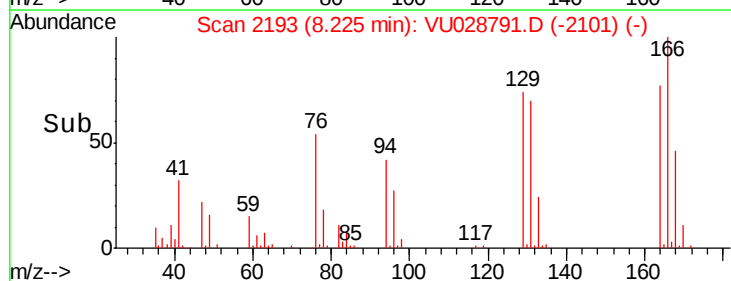
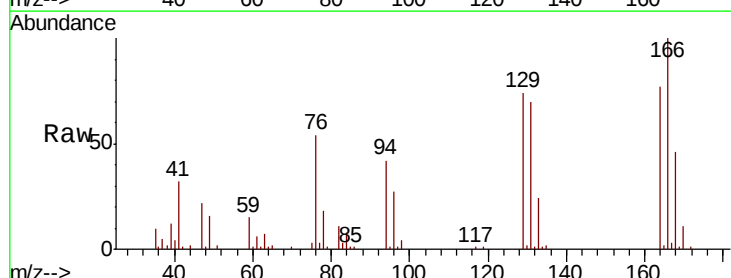
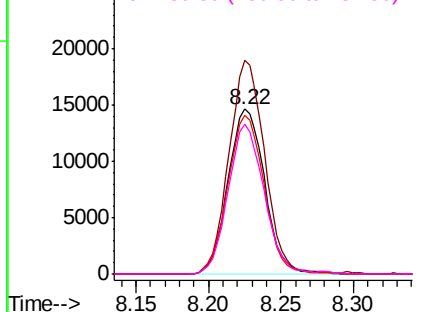
Abundance

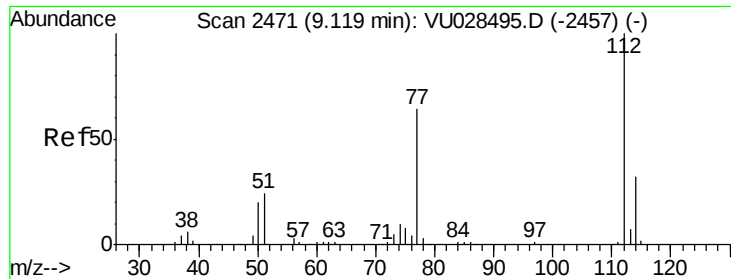
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





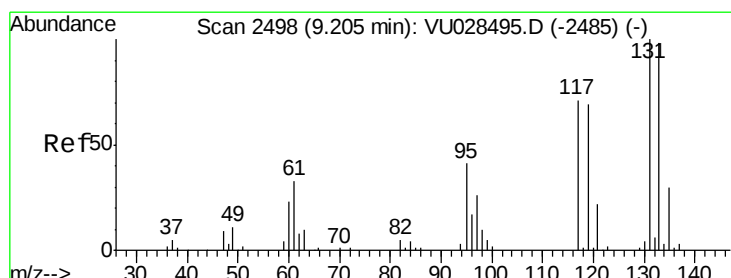
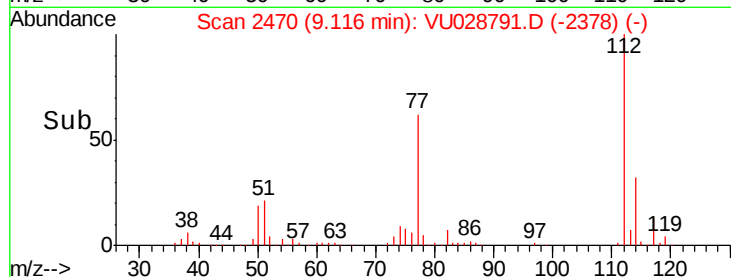
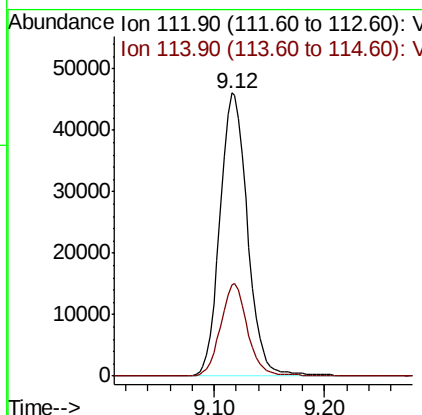
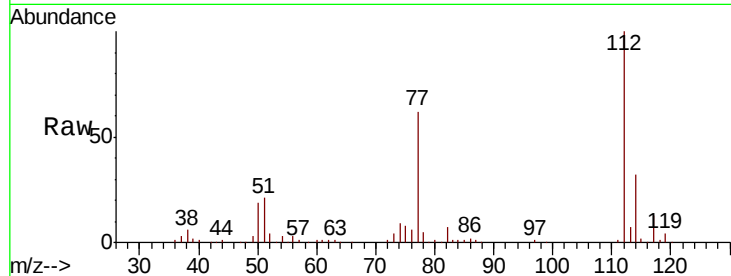
#65
Chlorobenzene
Concen: 21.535 ug/l
RT: 9.12 min Scan# 2470
Delta R.T. -0.00 min
Lab File: VU028791.D
Acq: 19 Dec 2018 14:08

Instrument :
MSVOA_U
ClientSampleId :
VU1219WBS01

Tot Ion:112 Resp: 79956
Ion Ratio Lower Upper
112 100
114 32.3 25.3 37.9

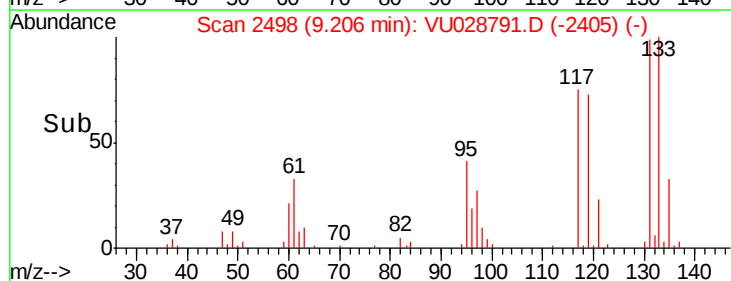
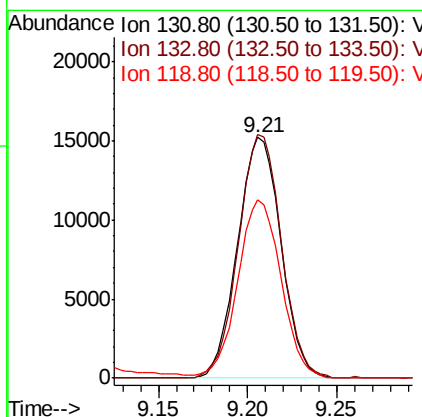
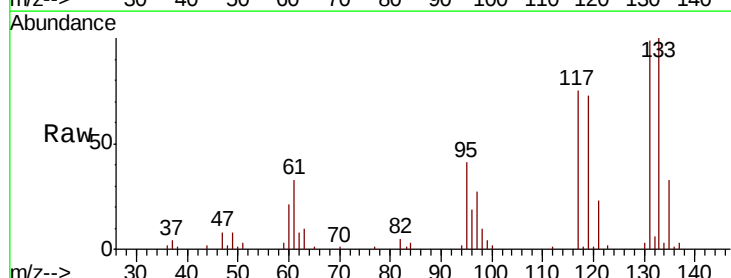
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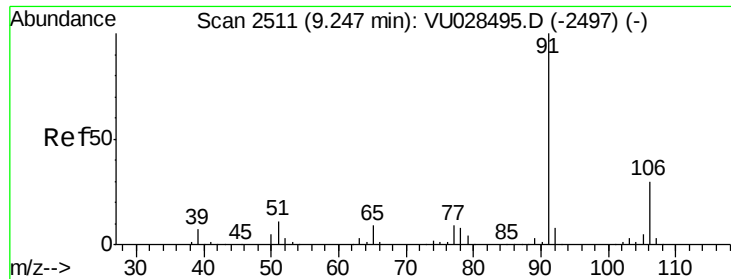
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.794 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. 0.00 min
Lab File: VU028791.D
Acq: 19 Dec 2018 14:08

Tgt Ion:131 Resp: 25839
Ion Ratio Lower Upper
131 100
133 100.2 48.0 144.0
119 73.8 34.6 103.9





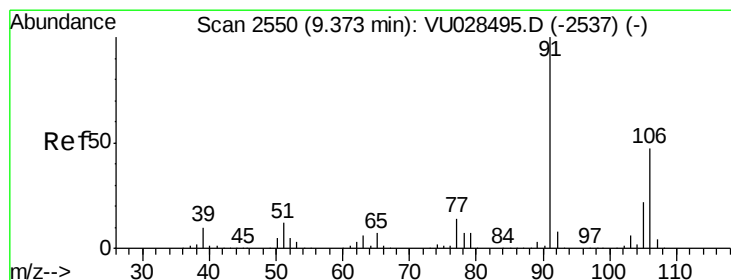
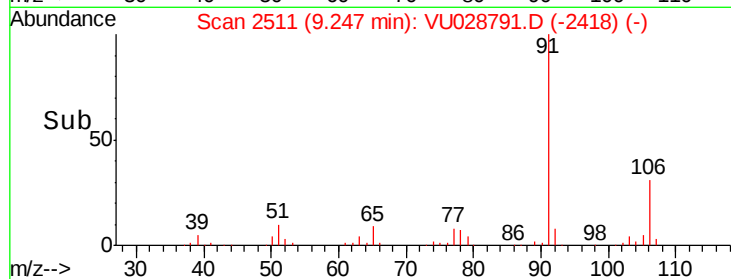
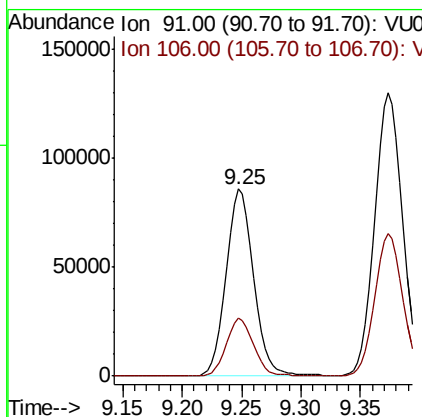
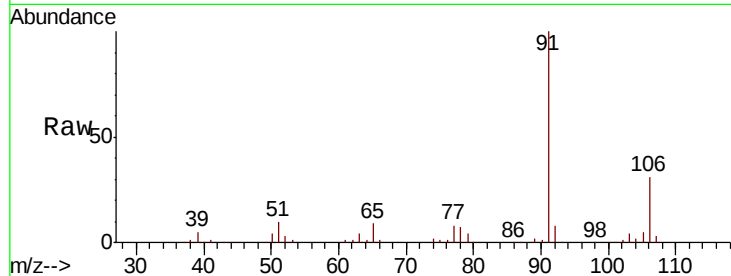
#67
Ethyl Benzene
Concen: 20.252 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU028791.D
Acq: 19 Dec 2018 14:08

Instrument :
MSVOA_U
ClientSampleId :
VU1219WBS01

Tot Ion: 91 Resp: 138226
Ion Ratio Lower Upper
91 100
106 30.8 24.1 36.1

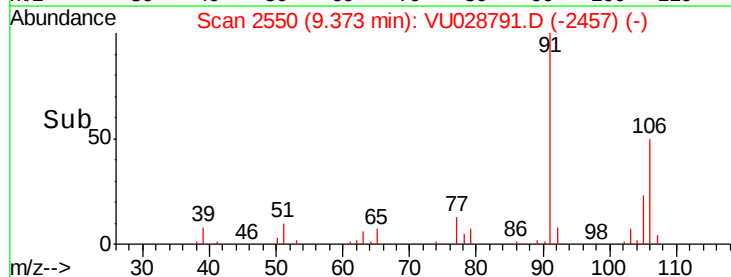
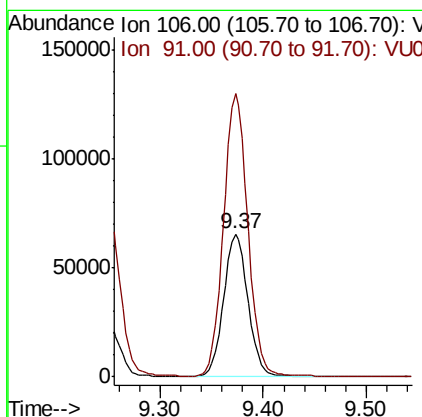
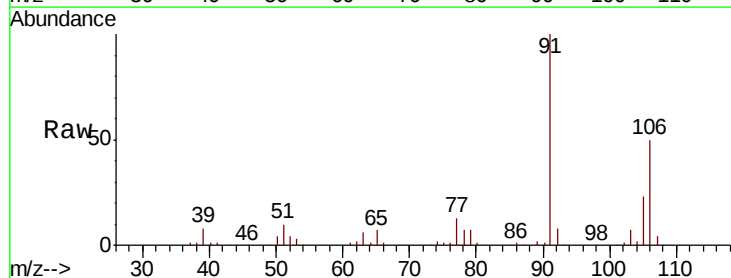
Manual Integrations
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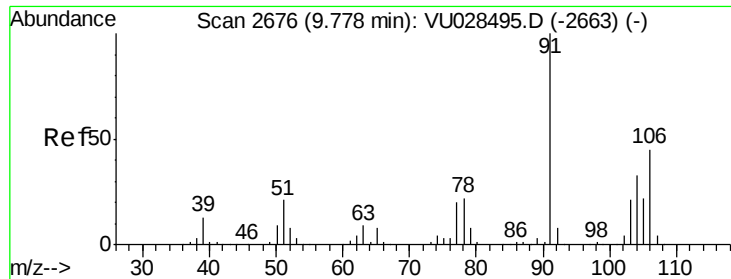
MMDadoda
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#68
m/p-Xylenes
Concen: 43.647 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU028791.D
Acq: 19 Dec 2018 14:08

Tgt Ion: 106 Resp: 108398
Ion Ratio Lower Upper
106 100
91 197.1 167.4 251.0





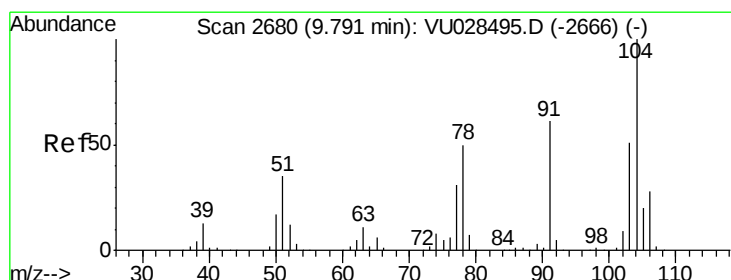
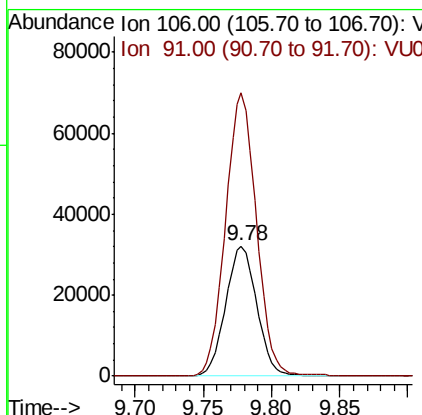
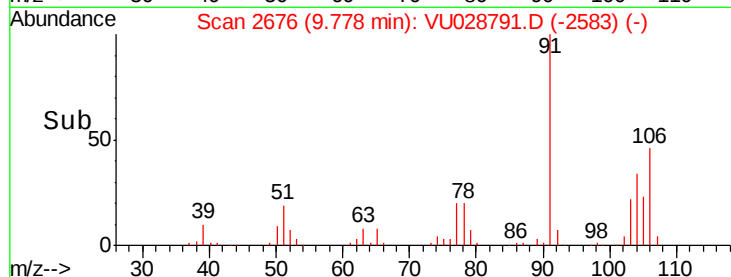
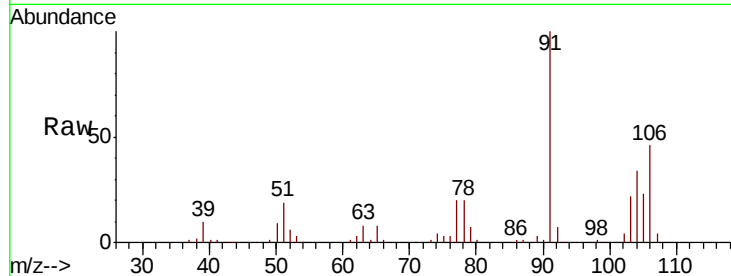
#69
o-Xylene
Concen: 21.177 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028791.D
Acq: 19 Dec 2018 14:08

Instrument :
MSVOA_U
ClientSampleId :
VU1219WBS01

Tot Ion:106 Resp: 51110
Ion Ratio Lower Upper
106 100
91 215.8 111.3 334.0

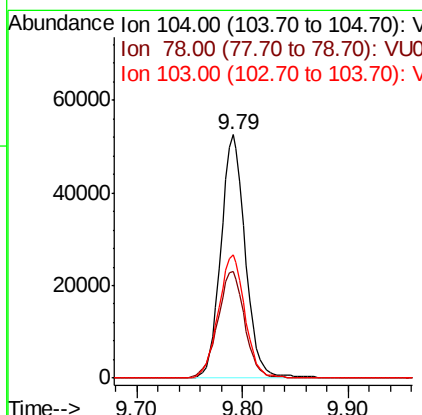
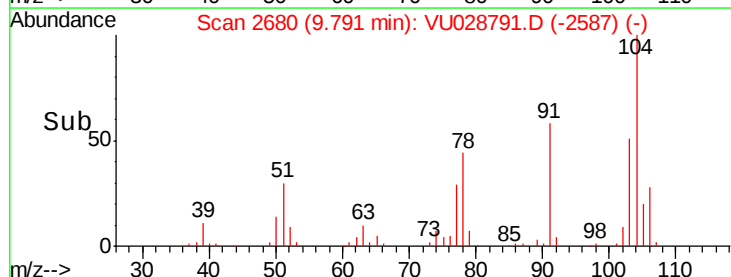
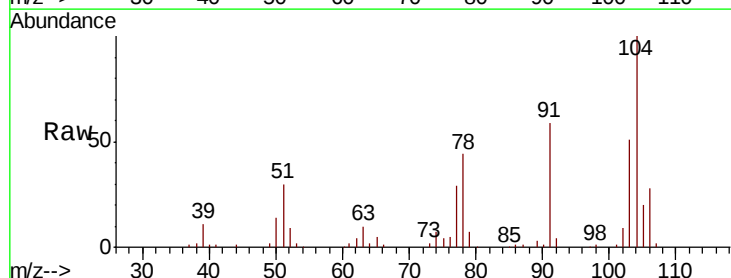
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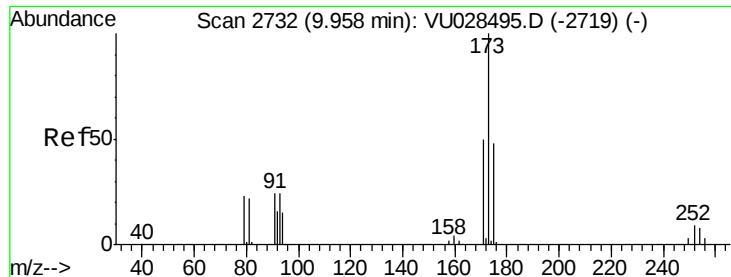
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#70
Styrene
Concen: 21.054 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU028791.D
Acq: 19 Dec 2018 14:08

Tgt Ion:104 Resp: 84093
Ion Ratio Lower Upper
104 100
78 48.7 43.0 64.6
103 54.8 44.2 66.4





#71

Bromoform

Concen: 21.810 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU028791.D

Acq: 19 Dec 2018 14:08

Instrument :

MSVOA_U

ClientSampleId :

VU1219WBS01

Tot Ion:173 Resp: 21997

Ion Ratio Lower Upper

173 100

175 48.6 23.9 71.8

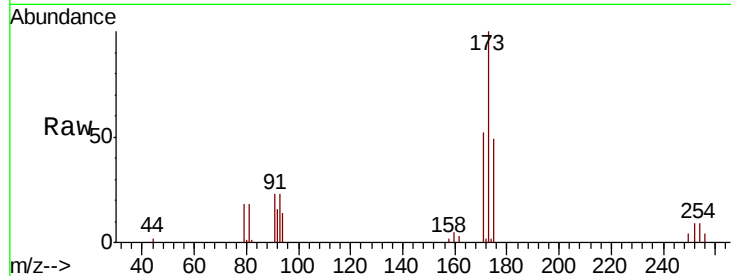
254 0.0 0.0 0.0

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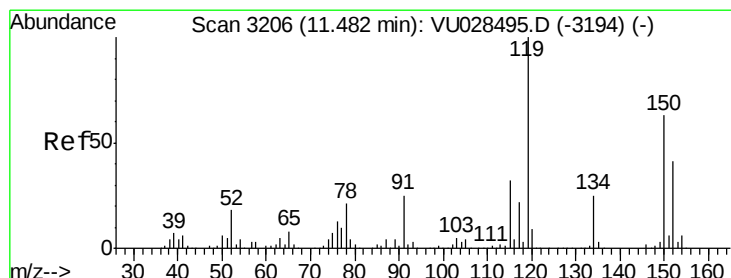
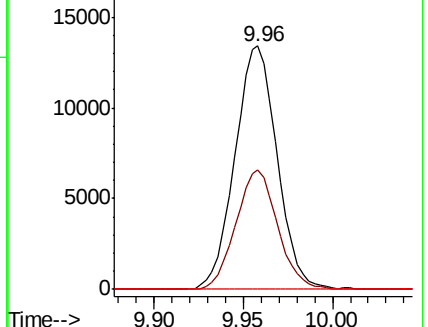
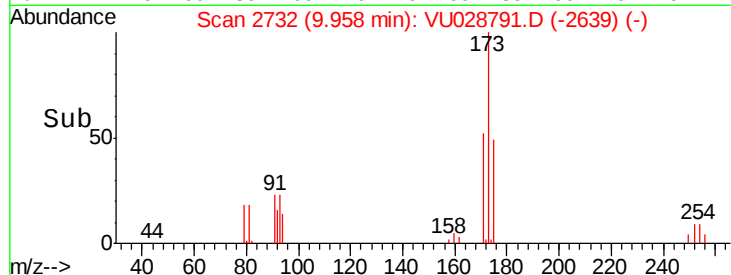
12/20/2018 8:58:38 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU028791.D

Acq: 19 Dec 2018 14:08

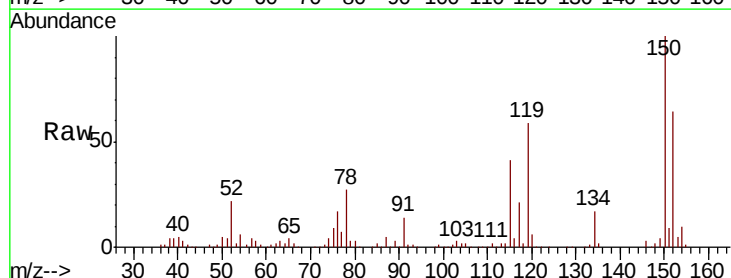
Tgt Ion:152 Resp: 83220

Ion Ratio Lower Upper

152 100

115 67.4 42.7 128.1

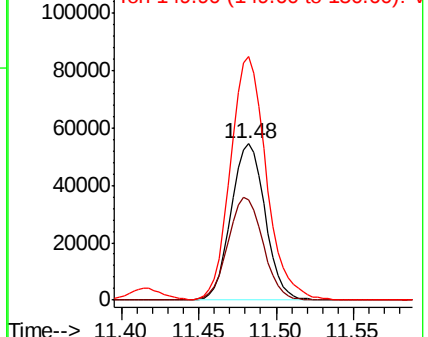
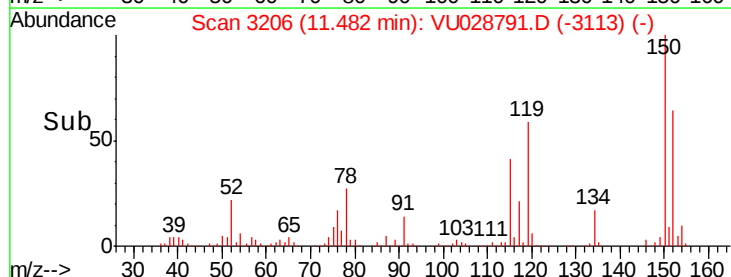
150 162.9 0.0 346.0

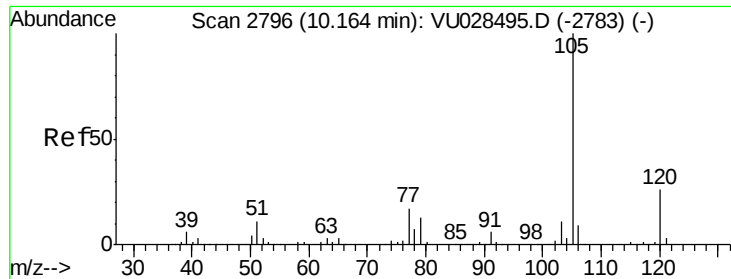


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.743 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU028791.D

Acq: 19 Dec 2018 14:08

Instrument :

MSVOA_U

ClientSampleId :

VU1219WBS01

Tot Ion: 105 Resp: 132460

Ion Ratio Lower Upper

105 100

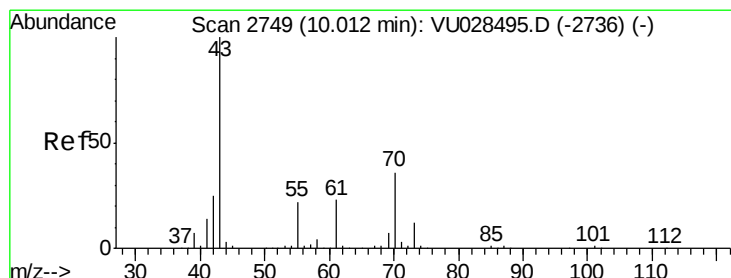
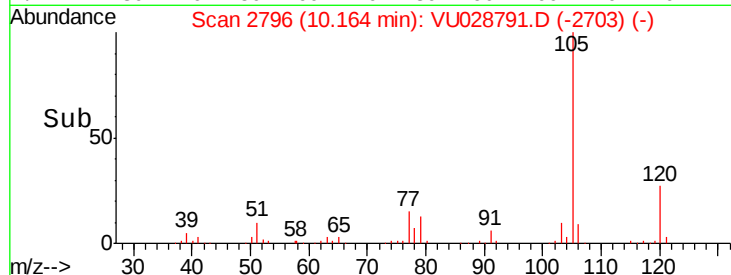
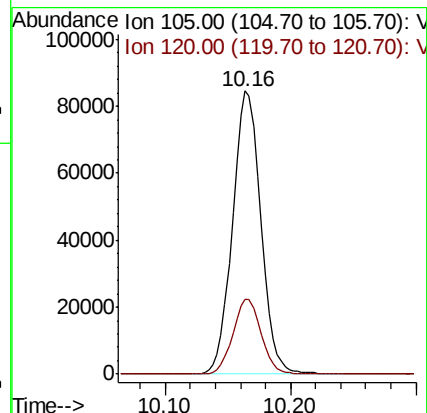
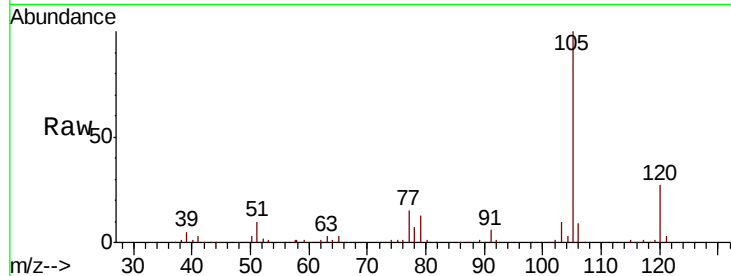
120 26.4 12.9 38.6

Manual Integrations

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#74

N-ethyl acetate

Concen: 16.805 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU028791.D

Acq: 19 Dec 2018 14:08

Tgt Ion: 43 Resp: 61900

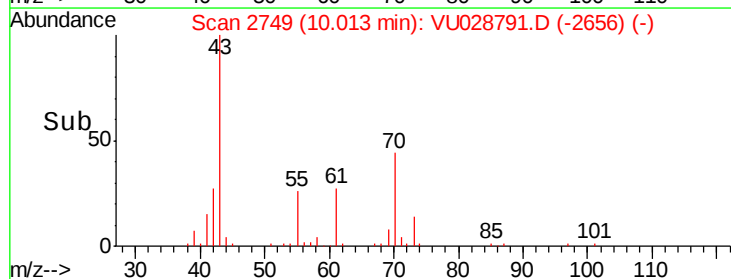
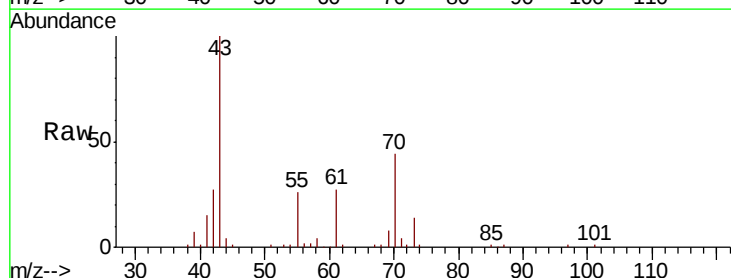
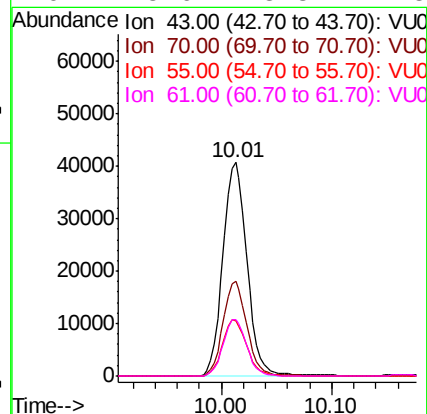
Ion Ratio Lower Upper

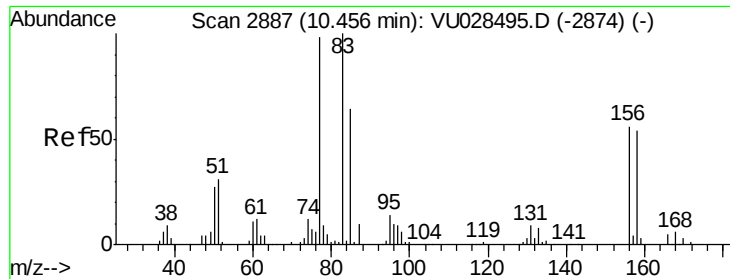
43 100

70 43.3 29.3 43.9

55 26.1 18.0 27.0

61 25.6 18.3 27.5





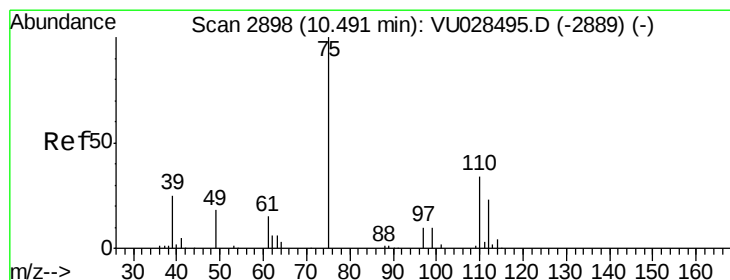
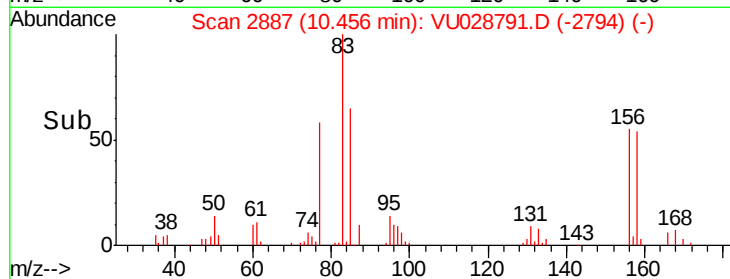
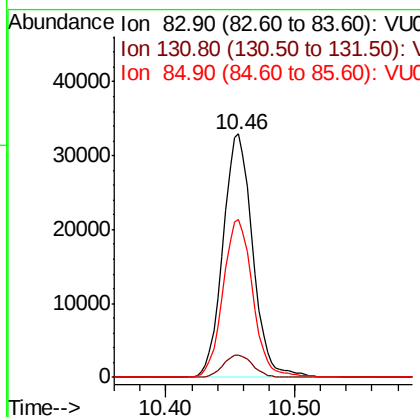
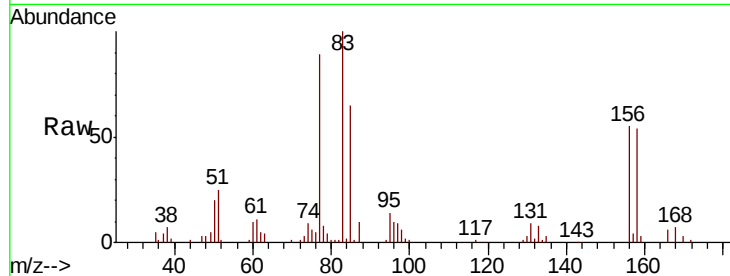
#75
 1,1,2,2-Tetrachloroethane
 Concen: 21.491 ug/l
 RT: 10.46 min Scan# 2887
 Delta R.T. 0.00 min
 Lab File: VU028791.D
 Acq: 19 Dec 2018 14:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1219WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.2	12.4
85	65.0	31.8	95.4

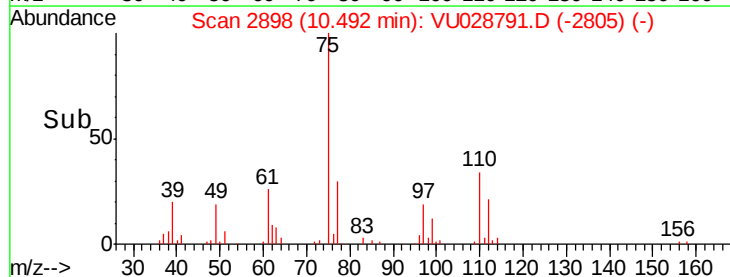
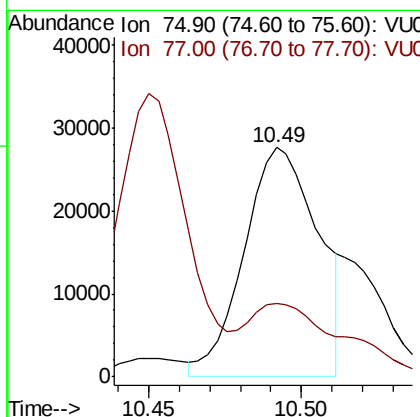
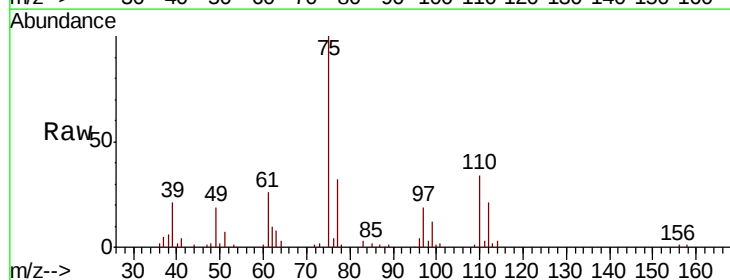
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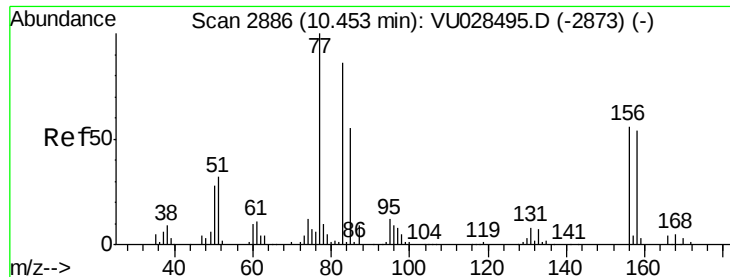
MMDadoda
 12/20/2018 8:58:38 AM



#76
 1,2,3-Trichloropropane
 Concen: 21.844 ug/l m
 RT: 10.49 min Scan# 2898
 Delta R.T. 0.00 min
 Lab File: VU028791.D
 Acq: 19 Dec 2018 14:08

Tgt Ion	Ratio	Lower	Upper
75	100		
77	41.2	20.8	62.4





#77

Bromobenzene

Concen: 22.519 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VU028791.D

Acq: 19 Dec 2018 14:08

Instrument :

MSVOA_U

ClientSampleId :

VU1219WBS01

Tot Ion:156 Resp: 33632

Ion Ratio Lower Upper

156 100

77 163.3 92.4 277.2

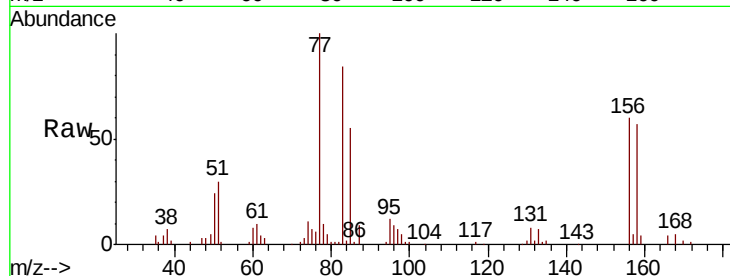
158 96.4 48.4 145.3

Manual Integrations

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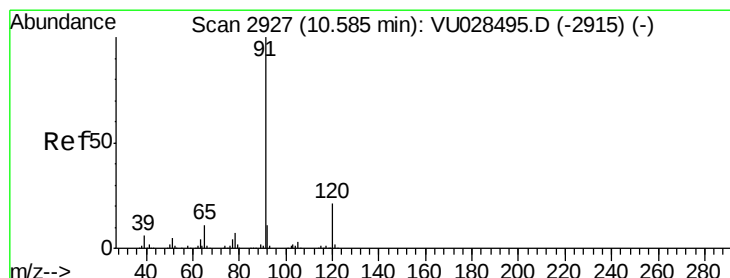
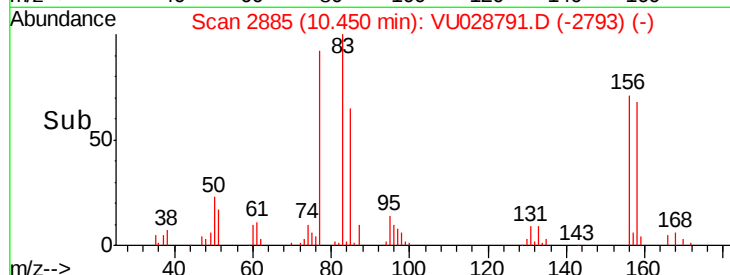
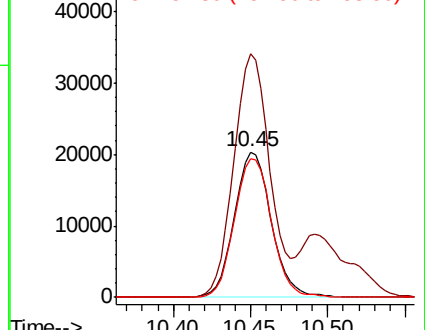
12/20/2018 8:58:38 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.059 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU028791.D

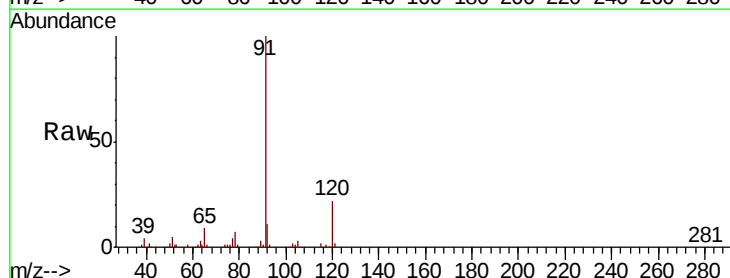
Acq: 19 Dec 2018 14:08

Tgt Ion: 91 Resp: 159170

Ion Ratio Lower Upper

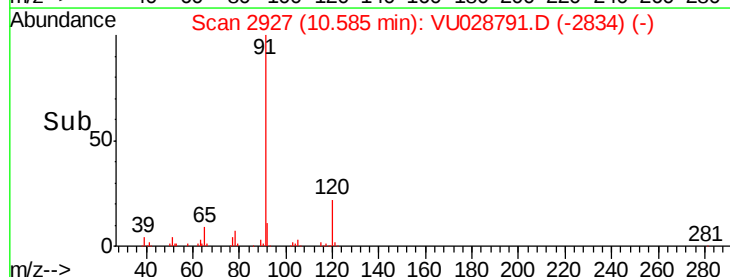
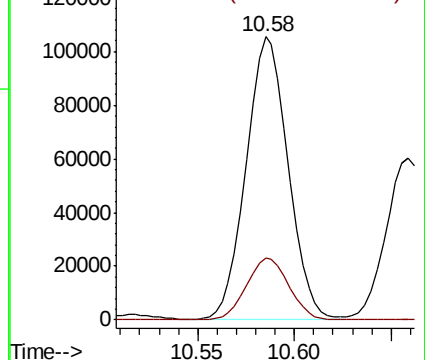
91 100

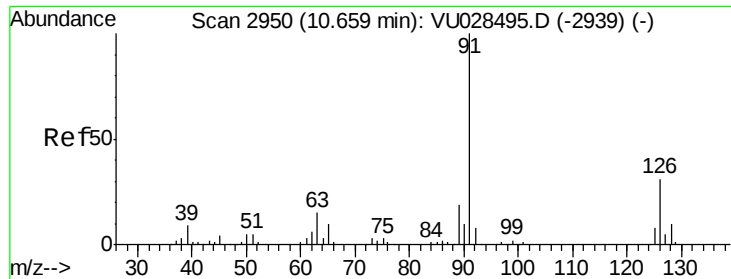
120 22.1 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





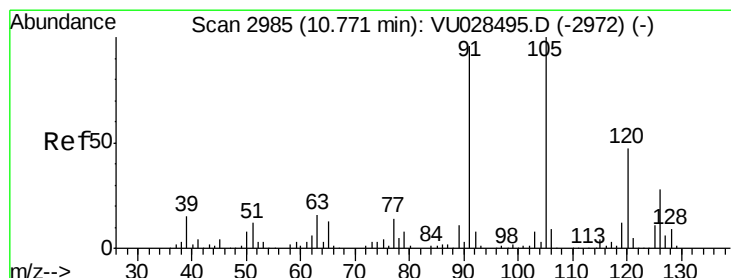
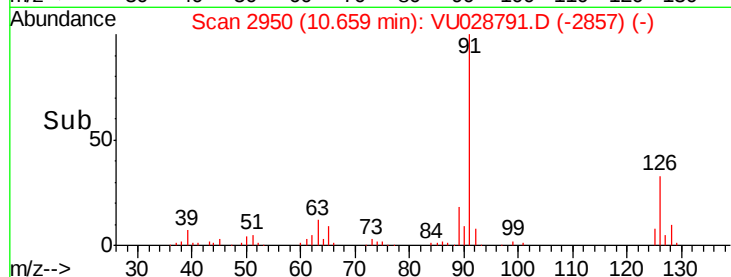
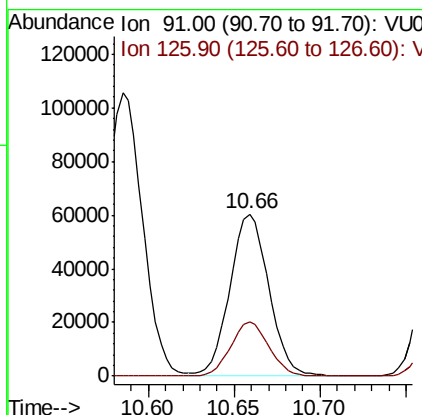
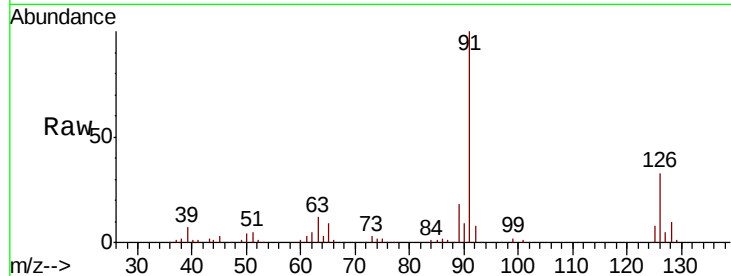
#79
 2-Chlorotoluene
 Concen: 20.764 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. 0.00 min
 Lab File: VU028791.D
 Acq: 19 Dec 2018 14:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1219WBS01

Tot Ion: 91 Resp: 94907
 Ion Ratio Lower Upper
 91 100
 126 32.9 15.6 46.8

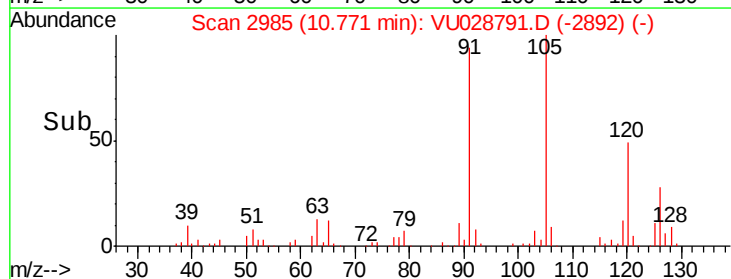
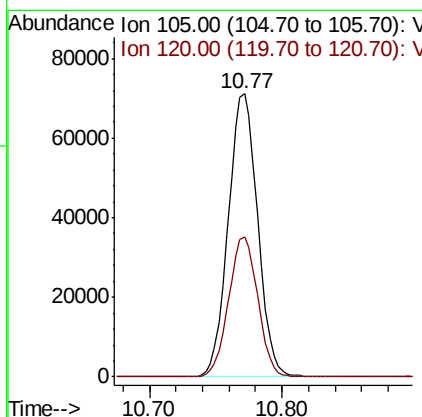
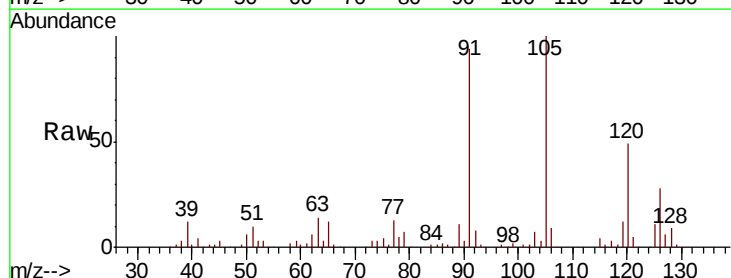
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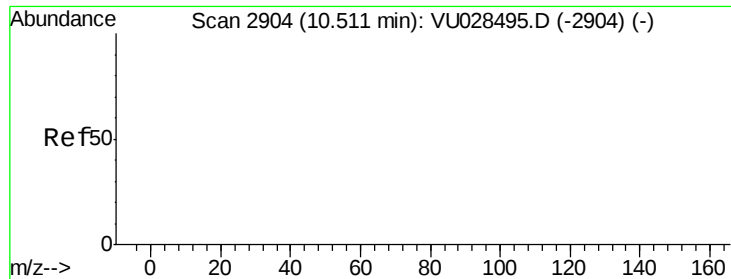
MMDadoda
 12/20/2018 8:58:38 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.734 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. 0.00 min
 Lab File: VU028791.D
 Acq: 19 Dec 2018 14:08

Tgt Ion: 105 Resp: 109598
 Ion Ratio Lower Upper
 105 100
 120 49.0 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 17.659 ug/l m

RT: 10.51 min Scan# 2904

Delta R.T. 0.00 min

Lab File: VU028791.D

Acq: 19 Dec 2018 14:08

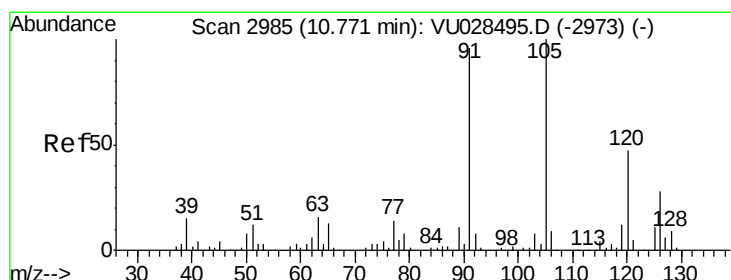
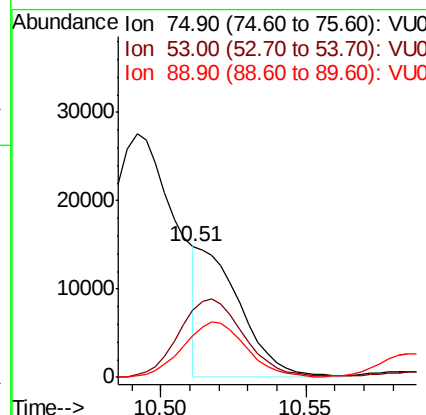
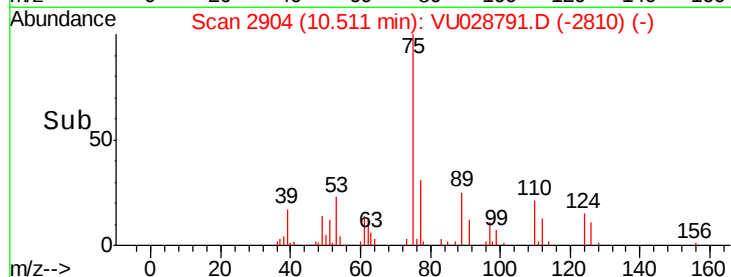
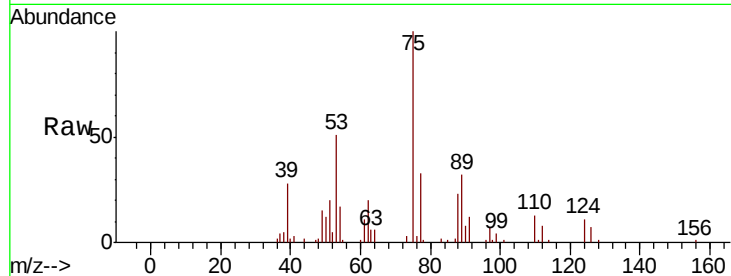
Instrument :
MSVOA_U

ClientSampleId :
VU1219WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

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#82

4-Chlorotoluene

Concen: 19.453 ug/l

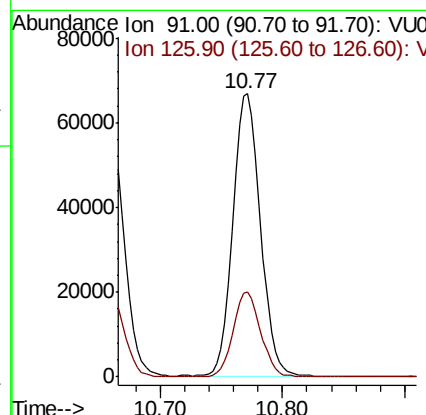
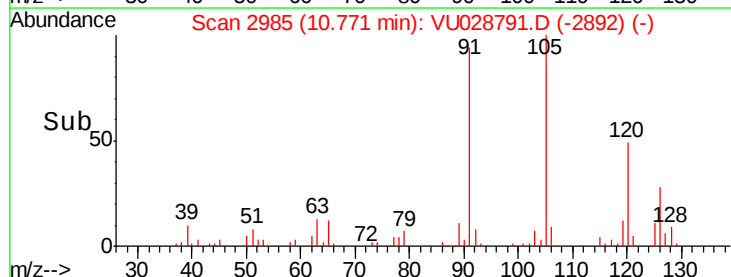
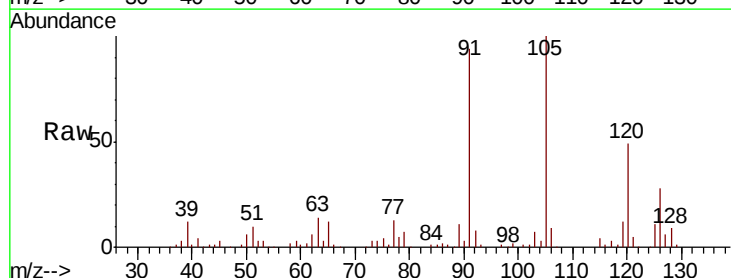
RT: 10.77 min Scan# 2985

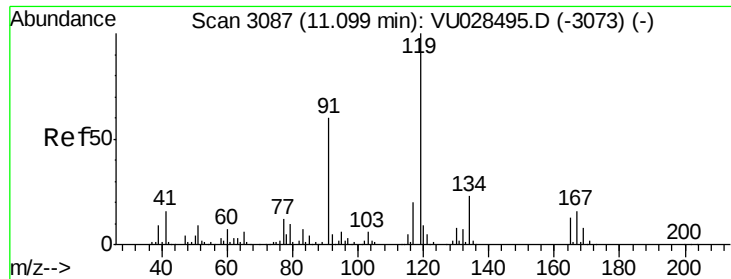
Delta R.T. 0.00 min

Lab File: VU028791.D

Acq: 19 Dec 2018 14:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.0	14.1	42.3





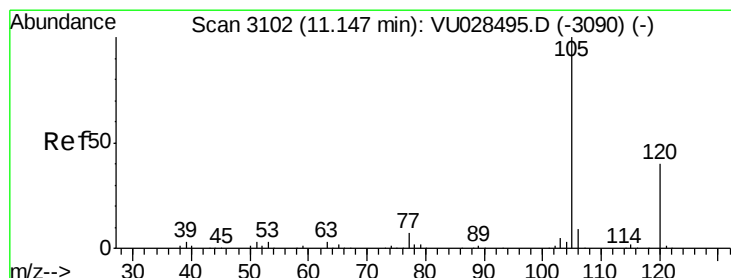
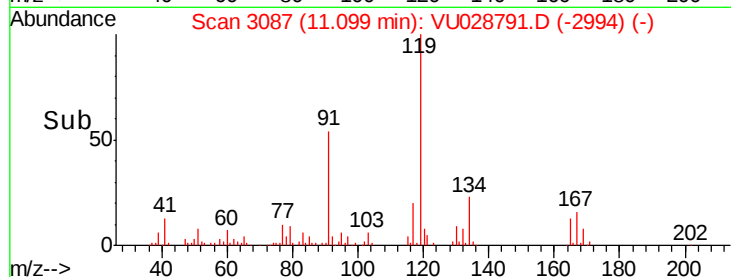
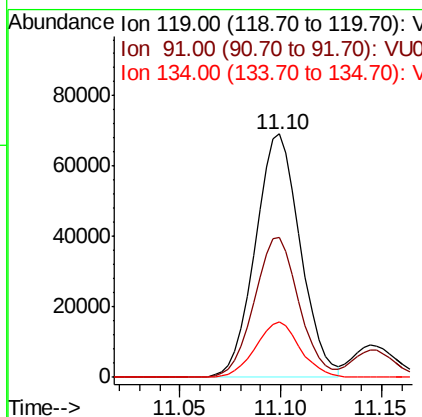
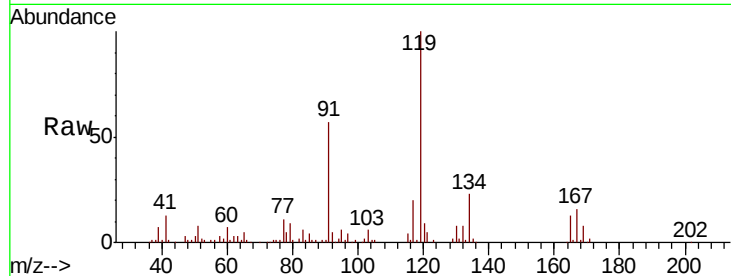
#83
tert-Butylbenzene
Concen: 21.120 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VU028791.D
Acq: 19 Dec 2018 14:08

Instrument :
MSVOA_U
ClientSampleId :
VU1219WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.0	30.3	91.0
134	22.4	11.2	33.5

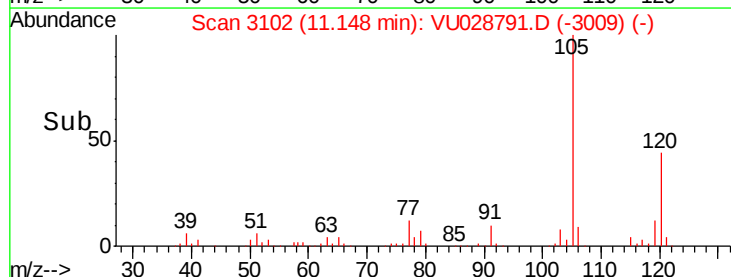
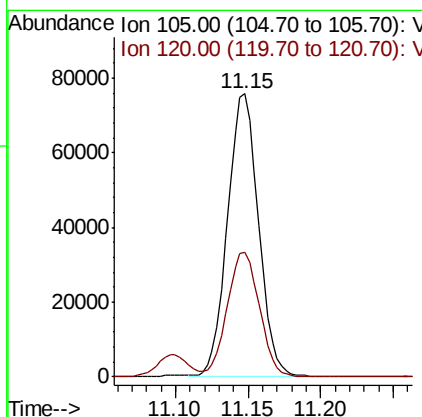
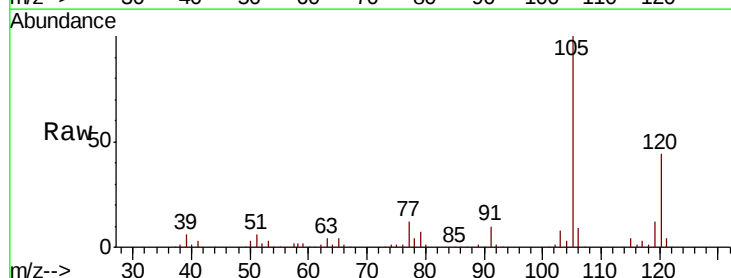
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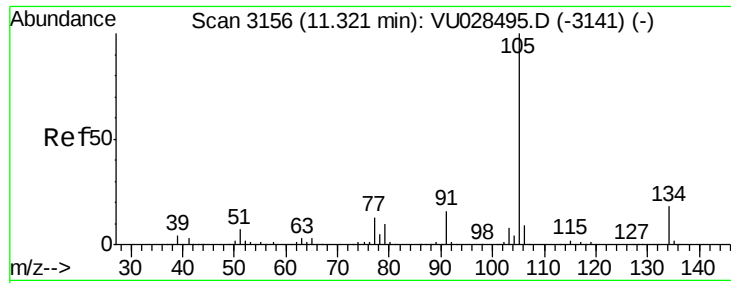
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.507 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. 0.00 min
Lab File: VU028791.D
Acq: 19 Dec 2018 14:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	21.8	65.4





#85

sec-Butylbenzene

Concen: 20.312 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VU028791.D

Acq: 19 Dec 2018 14:08

Instrument :

MSVOA_U

ClientSampleId :

VU1219WBS01

Tot Ion:105 Resp: 132951

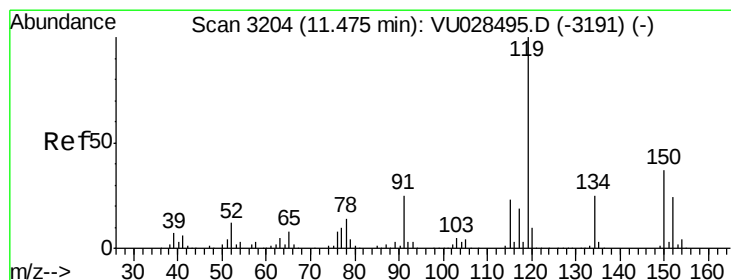
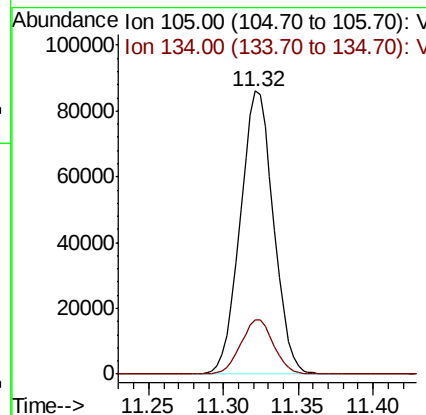
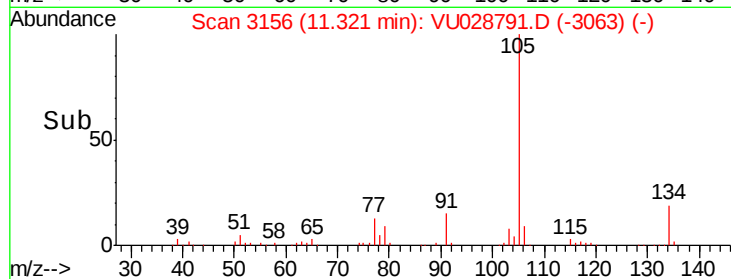
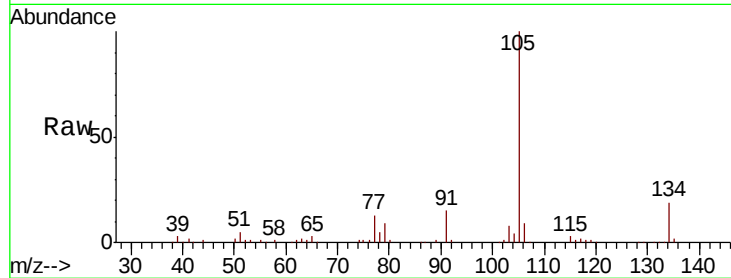
Ion Ratio Lower Upper

105 100

134 19.0 9.2 27.6

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#86

p-Isopropyltoluene

Concen: 19.907 ug/l

RT: 11.47 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VU028791.D

Acq: 19 Dec 2018 14:08

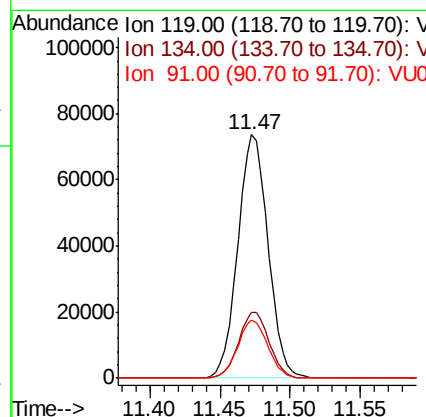
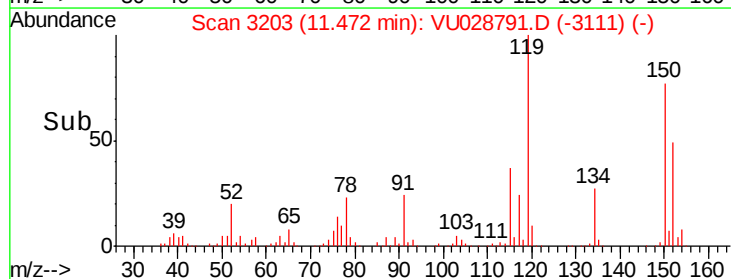
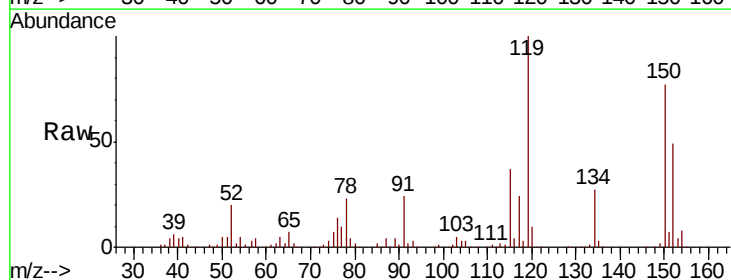
Tgt Ion:119 Resp: 110682

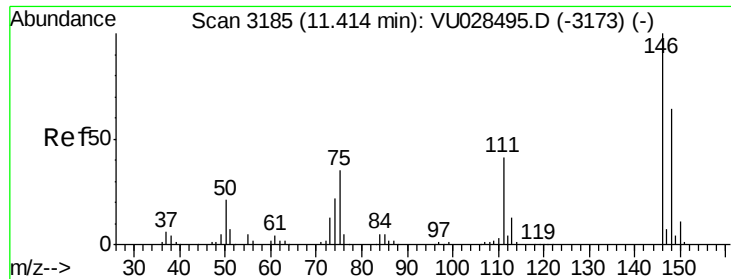
Ion Ratio Lower Upper

119 100

134 27.2 12.7 38.1

91 23.8 12.6 37.6





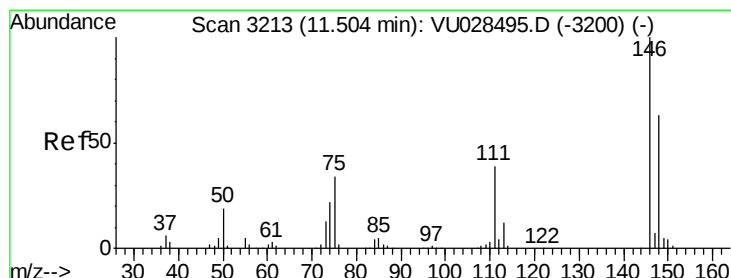
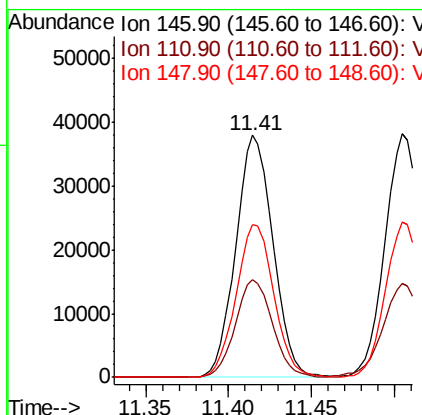
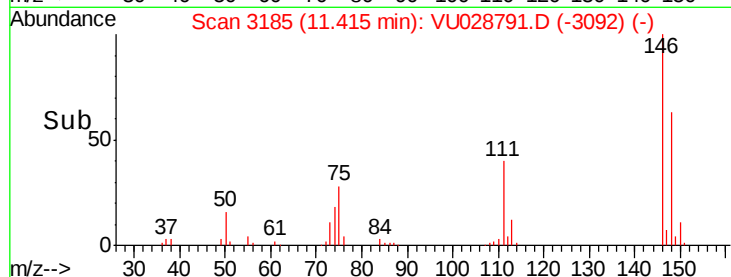
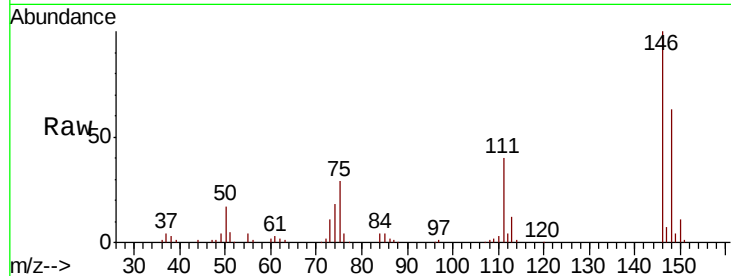
#87
 1,3-Dichlorobenzene
 Concen: 21.098 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. 0.00 min
 Lab File: VU028791.D
 Acq: 19 Dec 2018 14:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1219WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.7	62.1
148	63.9	31.9	95.7

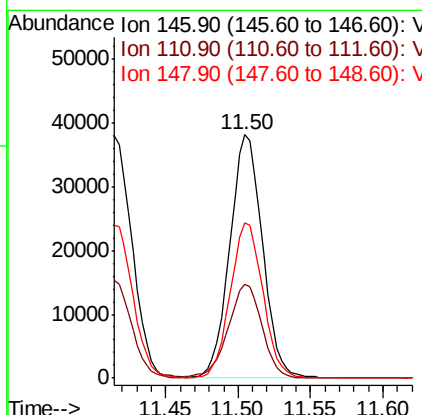
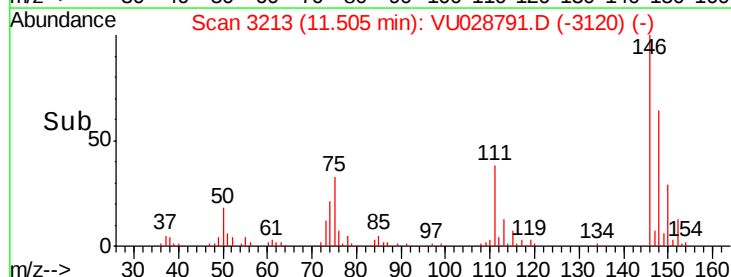
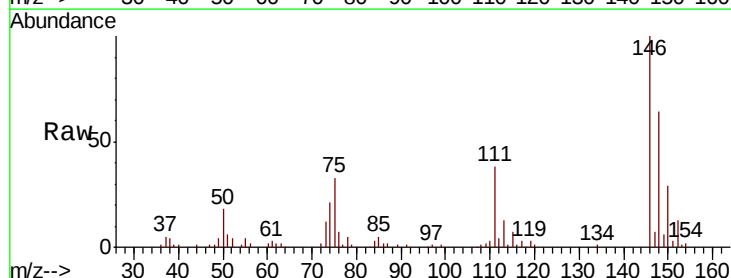
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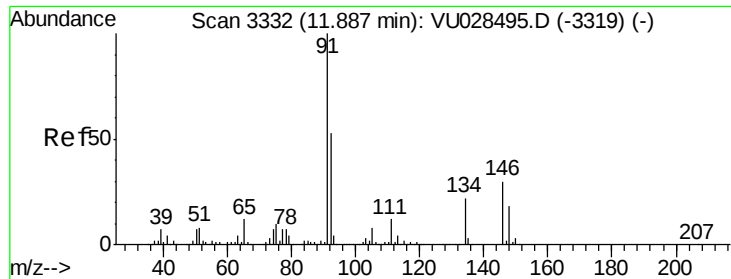
MMDadoda
 12/20/2018 8:58:38 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.444 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. 0.00 min
 Lab File: VU028791.D
 Acq: 19 Dec 2018 14:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.2	60.5
148	63.6	31.6	95.0





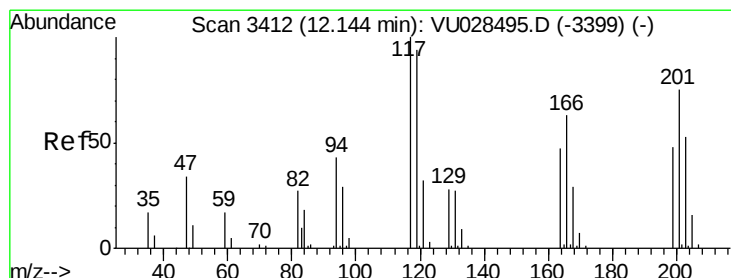
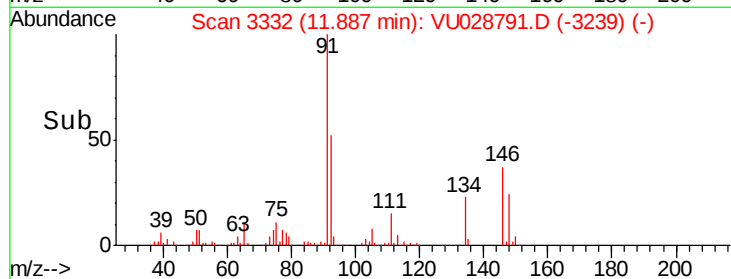
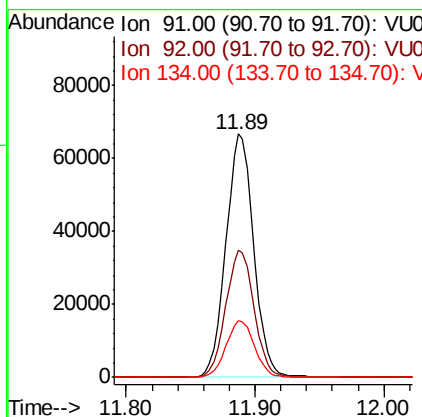
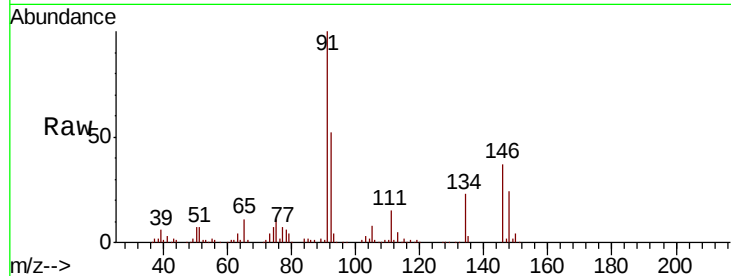
#89
n-Butylbenzene
Concen: 17.670 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VU028791.D
Acq: 19 Dec 2018 14:08

Instrument :
MSVOA_U
ClientSampleId :
VU1219WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		99430		
92	53.3	26.3	78.9		
134	23.8	11.3	33.8		

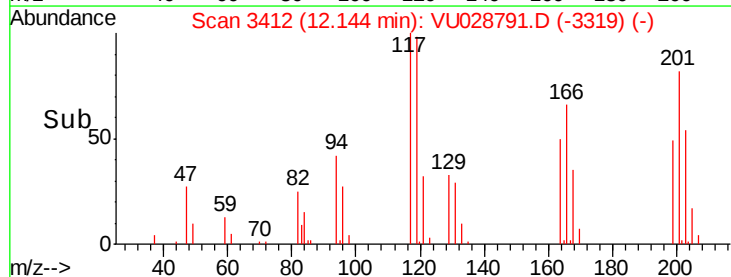
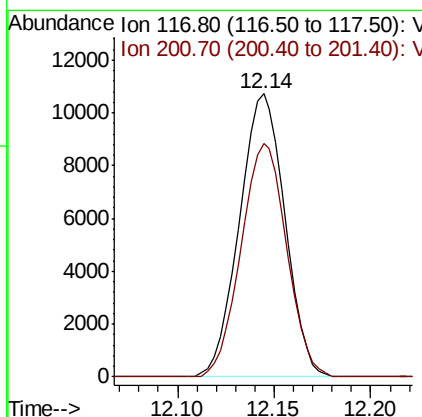
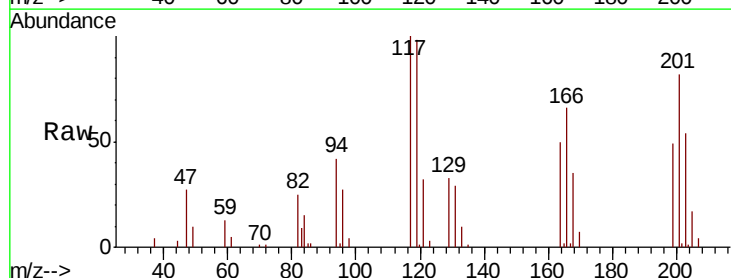
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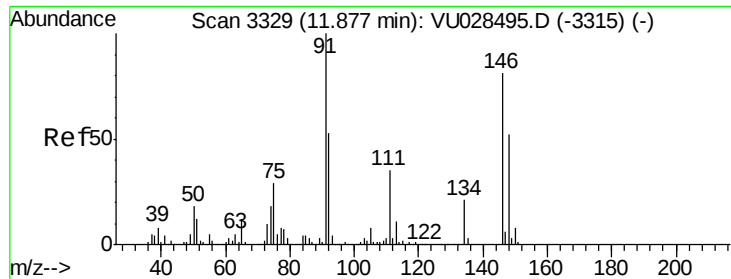
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#90
Hexachloroethane
Concen: 20.850 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. 0.00 min
Lab File: VU028791.D
Acq: 19 Dec 2018 14:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		17522		
201	82.7	38.1	114.5		





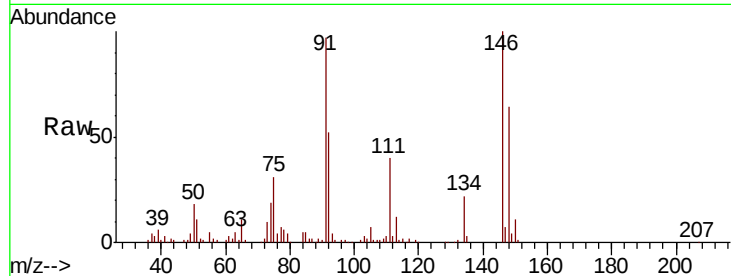
#91
 1,2-Dichlorobenzene
 Concen: 21.415 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU028791.D
 Acq: 19 Dec 2018 14:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1219WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	21.1	63.4
148	64.1	31.4	94.2

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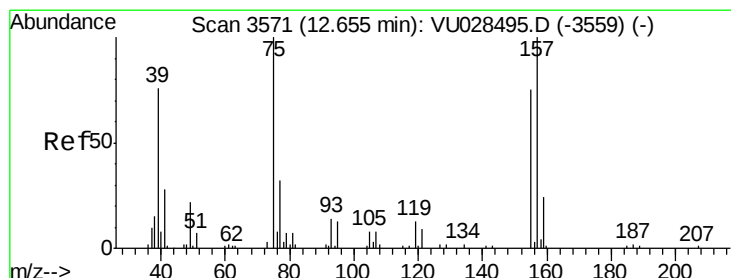
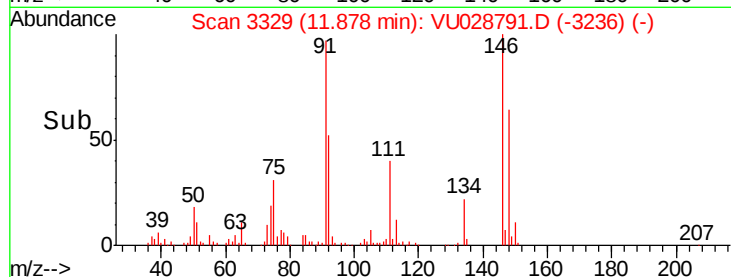
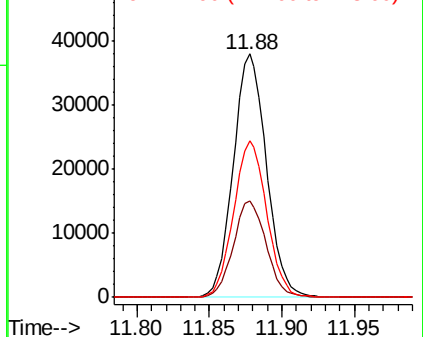


Abundance

Ion 145.90 (145.60 to 146.60): V

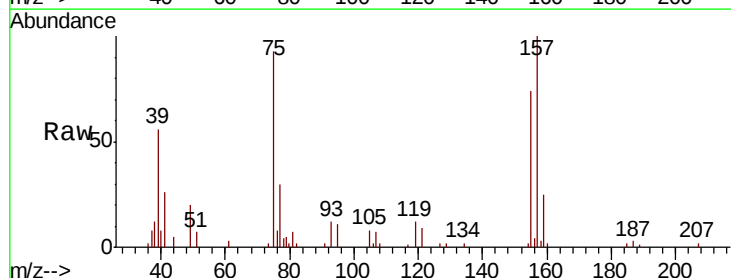
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.809 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU028791.D
 Acq: 19 Dec 2018 14:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.8	38.1	114.5
157	109.0	48.7	146.1

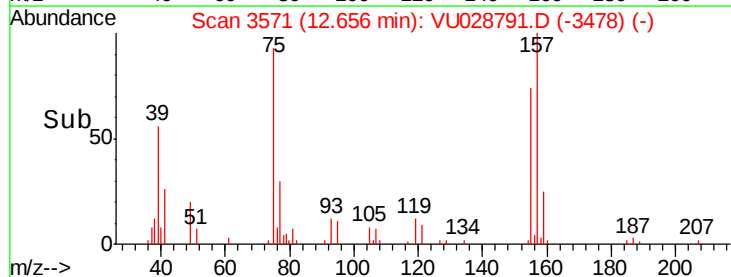
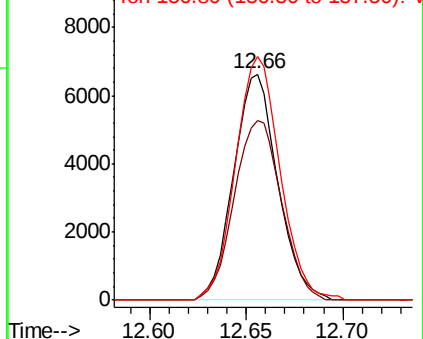


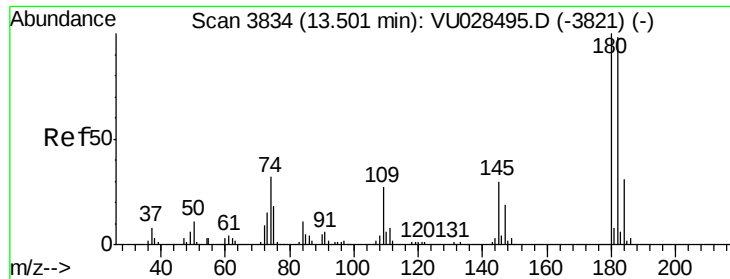
Abundance

Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





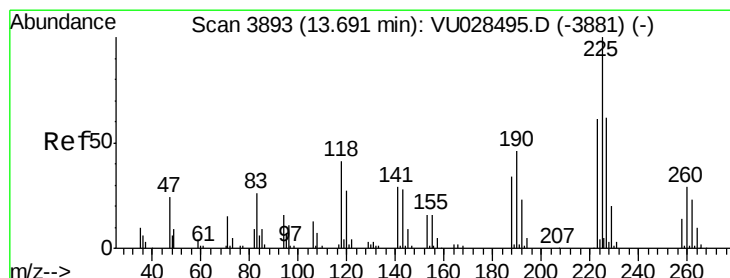
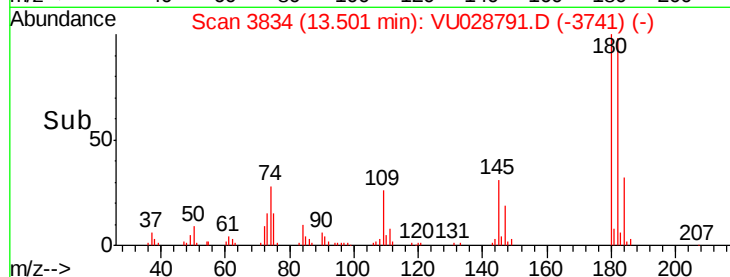
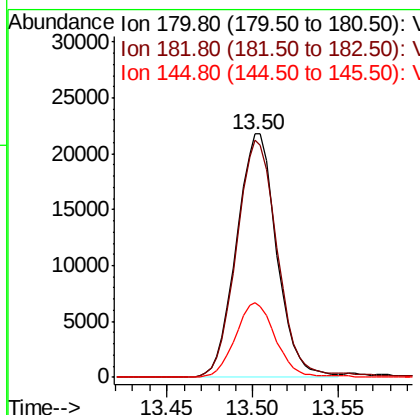
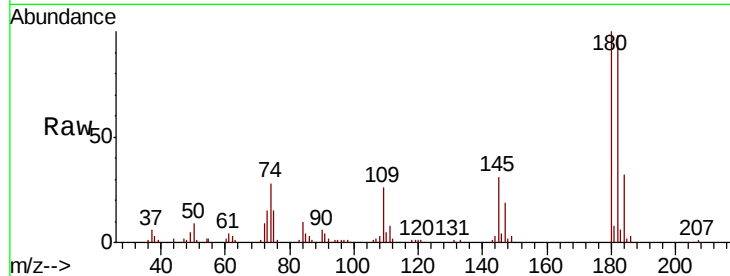
#93
 1,2,4-Trichlorobenzene
 Concen: 18.754 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU028791.D
 Acq: 19 Dec 2018 14:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1219WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.6	47.9	143.8
145	30.2	15.0	45.1

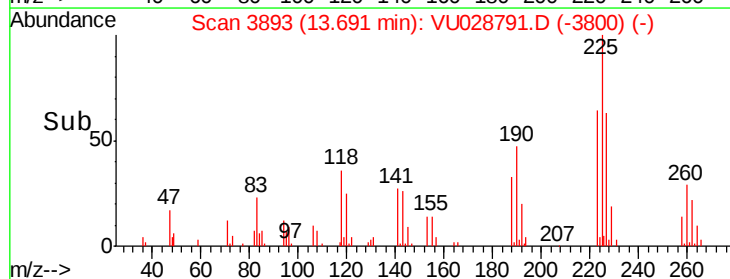
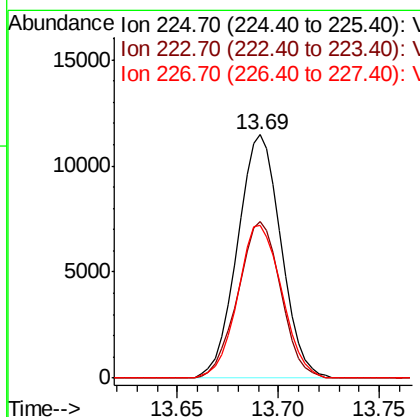
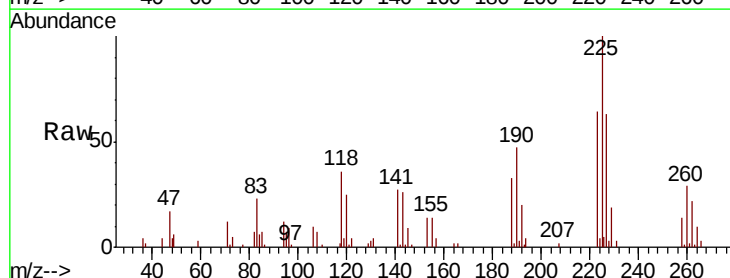
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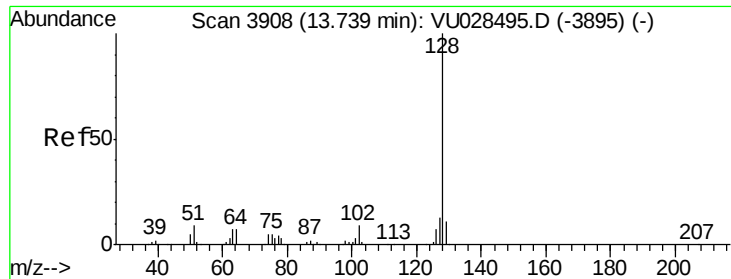
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#94
 Hexachlorobutadiene
 Concen: 18.755 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU028791.D
 Acq: 19 Dec 2018 14:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	30.4	91.2
227	63.7	30.7	92.1





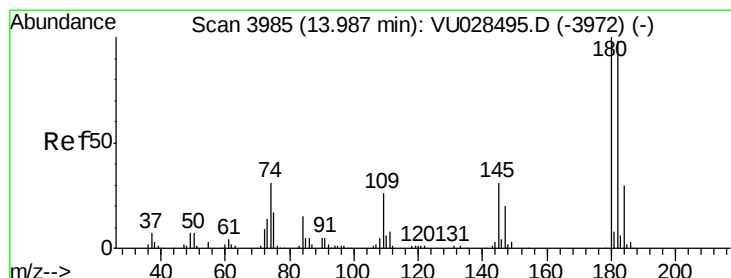
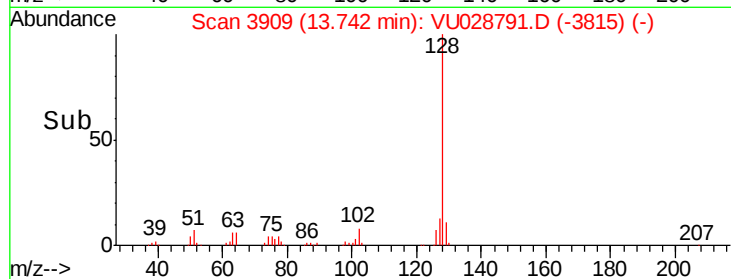
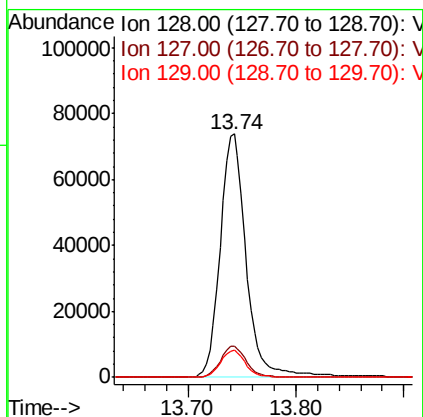
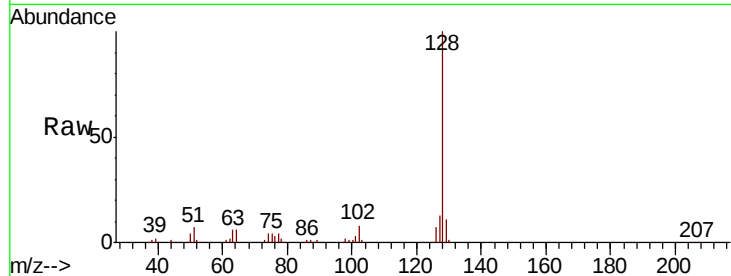
#95
Naphthalene
Concen: 18.295 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028791.D
Acq: 19 Dec 2018 14:08

Instrument :
MSVOA_U
ClientSampleId :
VU1219WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.8	8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 19.814 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028791.D
Acq: 19 Dec 2018 14:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	48.2	144.6
145	29.6	15.8	47.3

