

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121118\
 Data File : VU028549.D
 Acq On : 10 Dec 2018 14:27
 Operator : MD/SY
 Sample : VU1211WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBS01

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 12:10:04 PM

Quant Time: Dec 11 03:52:40 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	84870	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	146094	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	137867	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	67316	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	66148	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
35) Dibromofluoromethane	4.88	113	48184	52.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.82%	
50) Toluene-d8	7.57	98	189120	52.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.00%	
62) 4-Bromofluorobenzene	10.30	95	70452	51.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	20987	18.449	ug/l	99
3) Chloromethane	1.33	50	37104	17.741	ug/l	99
4) Vinyl Chloride	1.40	62	27410	18.161	ug/l	100
5) Bromomethane	1.63	94	13922	22.899	ug/l	96
6) Chloroethane	1.70	64	15936	18.651	ug/l	99
7) Trichlorofluoromethane	1.89	101	29573	18.624	ug/l	98
8) Diethyl Ether	2.10	74	13253	17.839	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	17616	18.549	ug/l	95
10) Methyl Iodide	2.41	142	10431	13.998	ug/l	97
11) Tert butyl alcohol	2.82	59	30428	105.448	ug/l	99
12) 1,1-Dichloroethene	2.29	96	16650	17.620	ug/l	93
13) Acrolein	2.19	56	20852	90.646	ug/l	98
14) Allyl chloride	2.59	41	40171	17.970	ug/l	100
15) Acrylonitrile	2.94	53	77805	97.119	ug/l	99
16) Acetone	2.32	43	85470	101.129	ug/l	100
17) Carbon Disulfide	2.48	76	62279	18.295	ug/l	100
18) Methyl Acetate	2.62	43	44197	20.173	ug/l	96
19) Methyl tert-butyl Ether	3.00	73	67057	18.720	ug/l	99
20) Methylene Chloride	2.70	84	22045	17.694	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	19206	18.052	ug/l	99
22) Diisopropyl ether	3.57	45	83621	19.236	ug/l	98
23) Vinyl Acetate	3.52	43	342978	95.653	ug/l	99
24) 1,1-Dichloroethane	3.45	63	42867	18.838	ug/l	99
25) 2-Butanone	4.26	43	116225	100.628	ug/l	98
26) 2,2-Dichloropropane	4.23	77	34268	19.006	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	22500	18.685	ug/l	99
28) Bromochloromethane	4.55	49	20671	19.983	ug/l	98
29) Tetrahydrofuran	4.64	42	74493	100.424	ug/l	98
30) Chloroform	4.67	83	38010	19.165	ug/l	94
31) Cyclohexane	5.00	56	42053	18.176	ug/l	96
32) 1,1,1-Trichloroethane	4.91	97	31453	19.095	ug/l	97
36) 1,1-Dichloropropene	5.14	75	30530	19.097	ug/l	97
37) Ethyl Acetate	4.38	43	39630	19.176	ug/l	99
38) Carbon Tetrachloride	5.13	117	24122	18.720	ug/l	98

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Manual Integrations
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 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)
39) Methylcyclohexane	6.41	83	35595	18.250	ug/l	97
40) Benzene	5.39	78	90438	19.207	ug/l	98
41) Methacrylonitrile	4.54	41	22215	19.628	ug/l	98
42) 1,2-Dichloroethane	5.40	62	31690	19.228	ug/l	97
43) Isopropyl Acetate	5.55	43	63607	19.459	ug/l	99
44) Trichloroethene	6.19	130	19494	18.620	ug/l	100
45) 1,2-Dichloropropane	6.43	63	26119	19.726	ug/l	97
46) Dibromomethane	6.56	93	15123	19.250	ug/l	99
47) Bromodichloromethane	6.76	83	29045	18.999	ug/l	97
48) Methyl methacrylate	6.62	41	31667	19.480	ug/l	99
49) 1,4-Dioxane	6.61	88	11689	455.404	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	200587	97.294	ug/l	99
52) Toluene	7.64	92	52251	18.856	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	35196	19.331	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	37134	18.799	ug/l	95
55) 1,1,2-Trichloroethane	8.07	97	21130	19.290	ug/l	99
56) Ethyl methacrylate	8.02	69	35055	18.688	ug/l	98
57) 1,3-Dichloropropane	8.24	76	38986	19.173	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	90402	94.093	ug/l	100
59) 2-Hexanone	8.36	43	159146	97.391	ug/l	99
60) Dibromochloromethane	8.48	129	20321	18.948	ug/l	100
61) 1,2-Dibromoethane	8.59	107	21936	19.097	ug/l	98
64) Tetrachloroethene	8.22	164	17065	18.557	ug/l	96
65) Chlorobenzene	9.12	112	53097	18.074	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	17895	19.075	ug/l	99
67) Ethyl Benzene	9.25	91	100016	18.519	ug/l	100
68) m/p-Xylenes	9.37	106	71504	36.386	ug/l	95
69) o-Xylene	9.78	106	34904	18.277	ug/l	98
70) Styrene	9.79	104	56934	18.015	ug/l	99
71) Bromoform	9.96	173	15036	18.841	ug/l #	100
73) Isopropylbenzene	10.16	105	92562	17.920	ug/l	99
74) N-amyl acetate	10.01	43	53863	18.078	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	37038	18.666	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	30849m	17.947	ug/l	
77) Bromobenzene	10.45	156	22148	18.334	ug/l	98
78) n-propylbenzene	10.58	91	117245	18.267	ug/l	100
79) 2-Chlorotoluene	10.66	91	68106	18.421	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	78793	18.428	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	13972m	20.299	ug/l	
82) 4-Chlorotoluene	10.77	91	77685	17.731	ug/l	99
83) tert-Butylbenzene	11.10	119	75271	18.264	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	80055	18.167	ug/l	100
85) sec-Butylbenzene	11.32	105	97988	18.508	ug/l	99
86) p-Isopropyltoluene	11.48	119	80051	17.799	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	40161	17.606	ug/l	100
88) 1,4-Dichlorobenzene	11.50	146	41725	17.679	ug/l	99
89) n-Butylbenzene	11.89	91	78646	17.279	ug/l	100
90) Hexachloroethane	12.14	117	12962	19.068	ug/l	95
91) 1,2-Dichlorobenzene	11.88	146	39574	17.344	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	8626	20.080	ug/l	92

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ClientSampleId :
VU1211WBS01

Manual Integrations
APPROVED

MMDadoda
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Quant Time: Dec 11 03:52:40 2018
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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)
93) 1,2,4-Trichlorobenzene	13.50	180	27387	18.016	ug/l	96
94) Hexachlorobutadiene	13.69	225	13169	17.619	ug/l	99
95) Naphthalene	13.74	128	90280	16.488	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	26832	17.291	ug/l	99

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

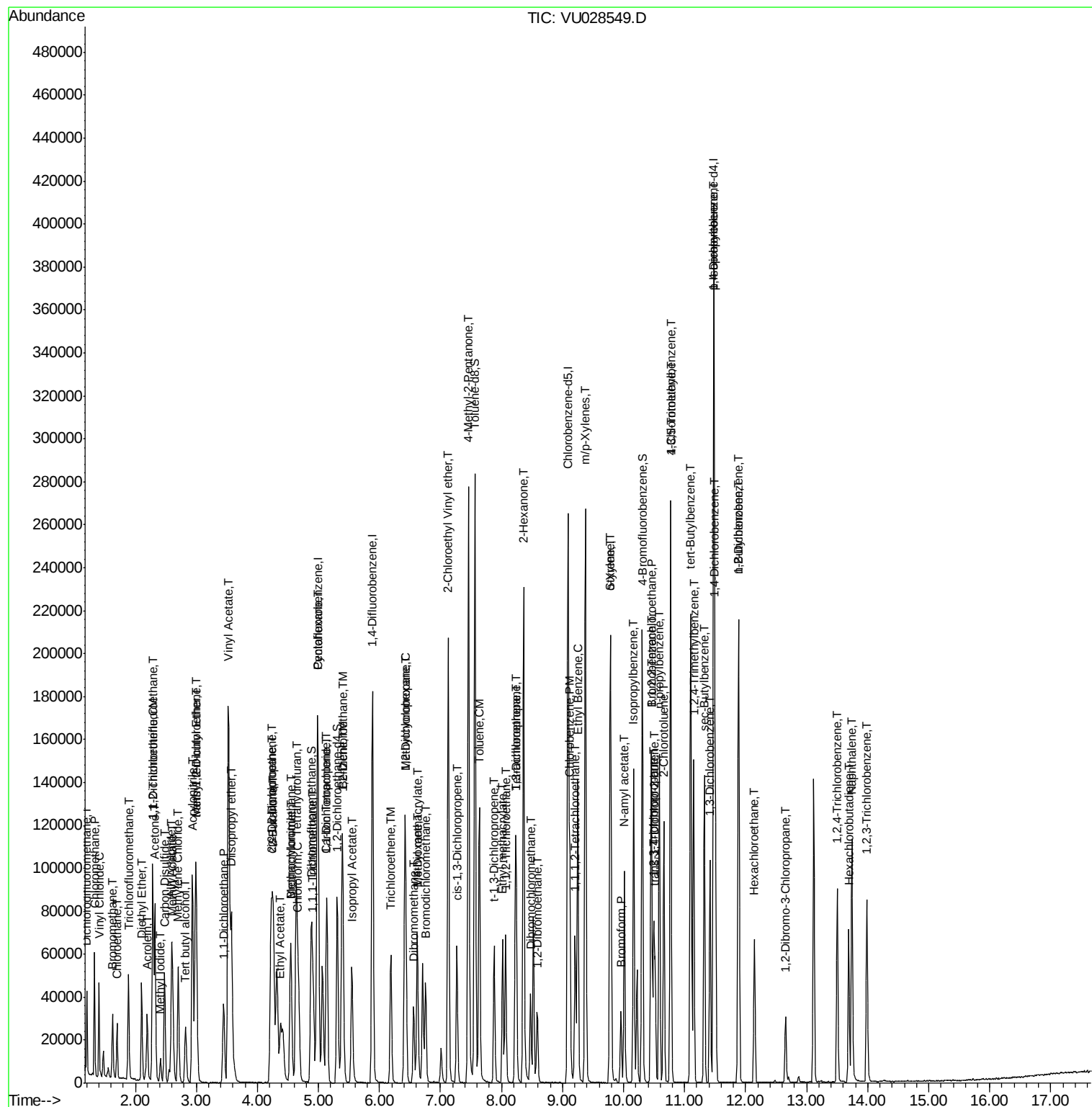
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 Data File : VU028549.D
 Acq On : 10 Dec 2018 14:27
 Operator : MD/SY
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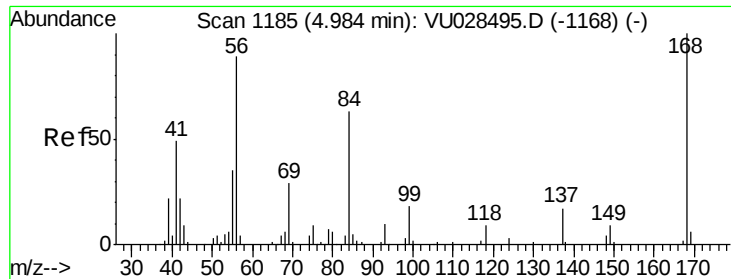
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBS01

Manual Integrations
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MMDadoda
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028549.D

Acq: 10 Dec 2018 14:27

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBS01

Tot Ion:168 Resp: 84870

Ion Ratio Lower Upper

168 100

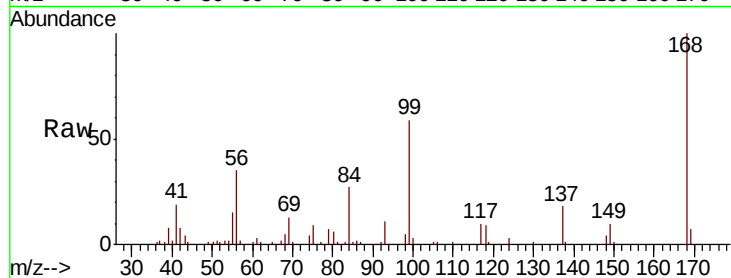
99 58.0 46.6 69.8

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

40000

30000

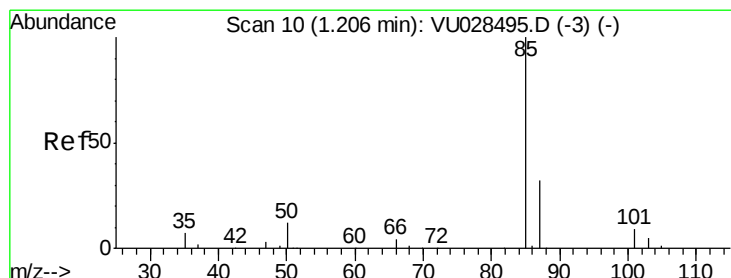
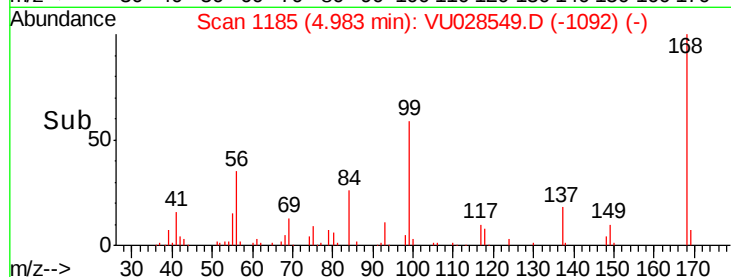
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.449 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028549.D

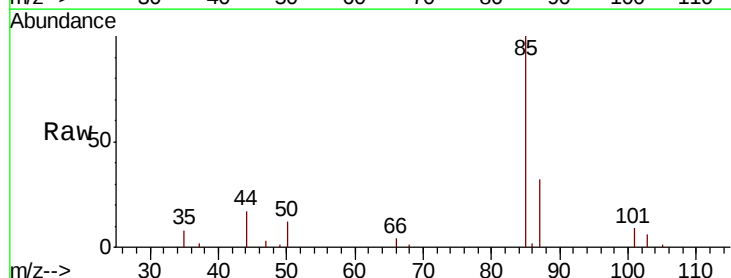
Acq: 10 Dec 2018 14:27

Tgt Ion: 85 Resp: 20987

Ion Ratio Lower Upper

85 100

87 32.4 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

25000

20000

15000

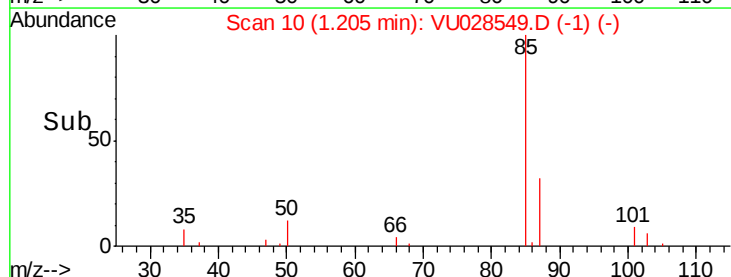
10000

5000

0

1.20 1.25

Time-->





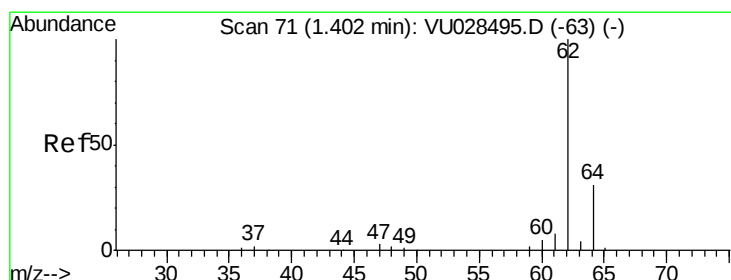
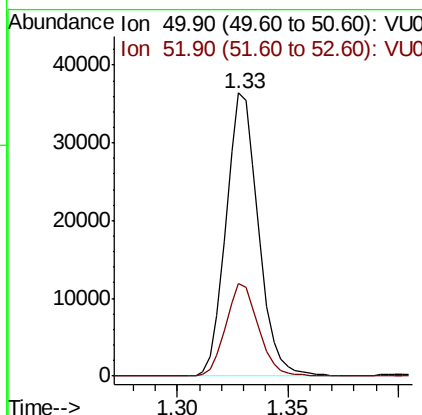
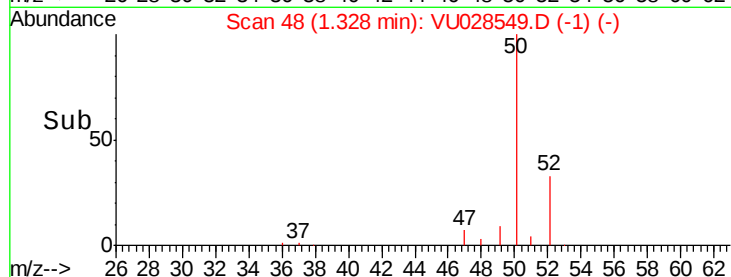
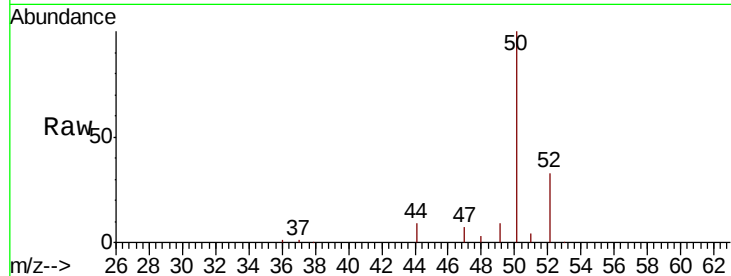
#3
Chloromethane
Concen: 17.741 ug/l
RT: 1.33 min Scan# 48
Delta R.T. -0.00 min
Lab File: VU028549.D
Acq: 10 Dec 2018 14:27

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS01

Tot Ion: 50 Resp: 37104
Ion Ratio Lower Upper
50 100
52 32.6 25.5 38.3

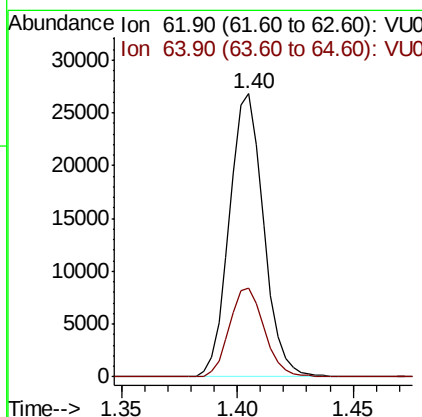
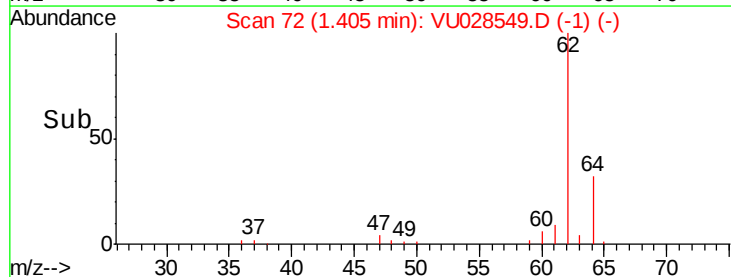
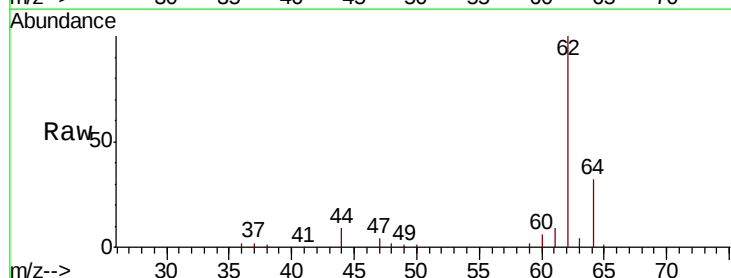
Manual Integrations
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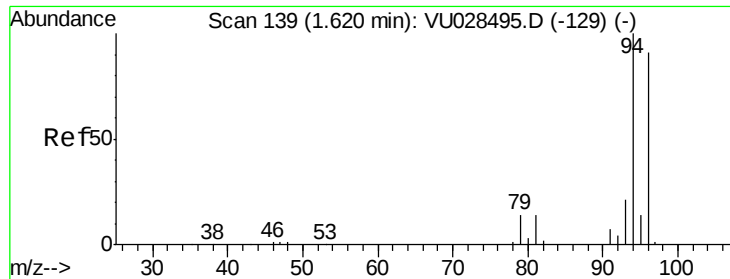
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#4
Vinyl Chloride
Concen: 18.161 ug/l
RT: 1.40 min Scan# 72
Delta R.T. 0.00 min
Lab File: VU028549.D
Acq: 10 Dec 2018 14:27

Tgt Ion: 62 Resp: 27410
Ion Ratio Lower Upper
62 100
64 31.5 25.1 37.7





#5

Bromomethane

Concen: 22.899 ug/l

RT: 1.63 min Scan# 141

Delta R.T. 0.01 min

Lab File: VU028549.D

Acq: 10 Dec 2018 14:27

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBS01

Tot Ion: 94 Resp: 13922

Ion Ratio Lower Upper

94 100

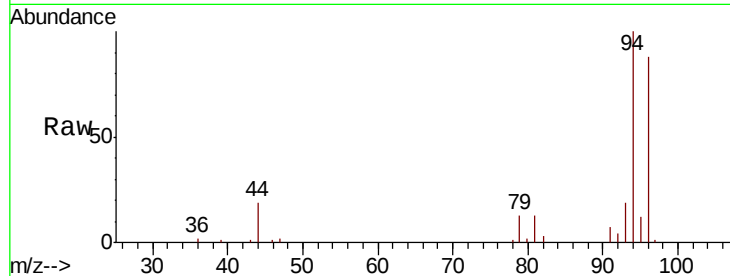
96 87.9 73.2 109.8

Manual Integrations

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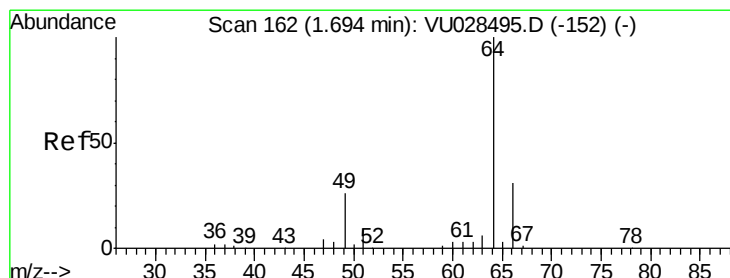
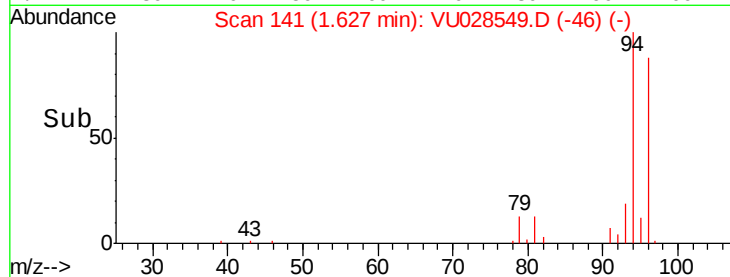
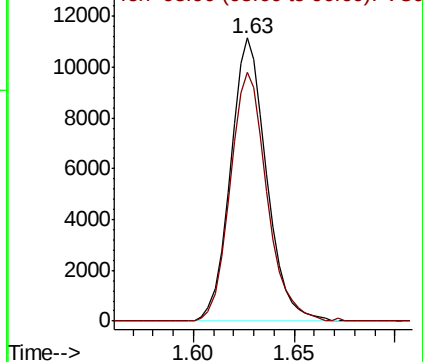
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 18.651 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.01 min

Lab File: VU028549.D

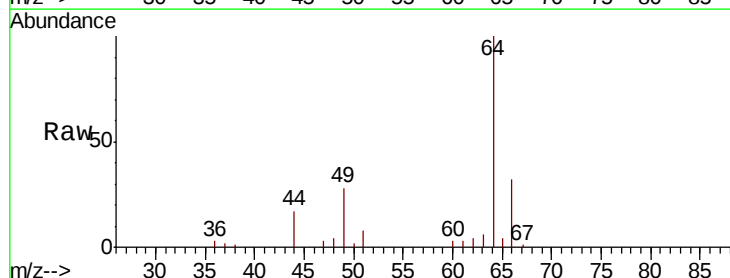
Acq: 10 Dec 2018 14:27

Tgt Ion: 64 Resp: 15936

Ion Ratio Lower Upper

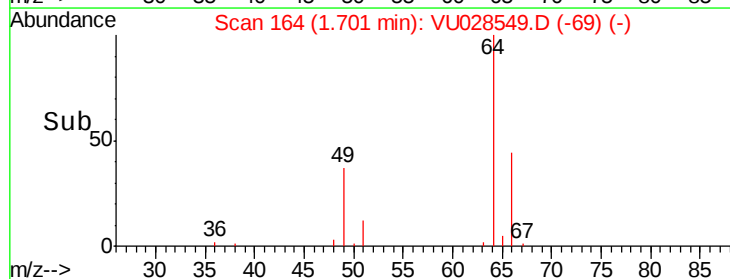
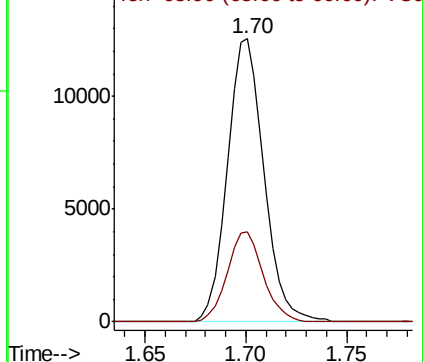
64 100

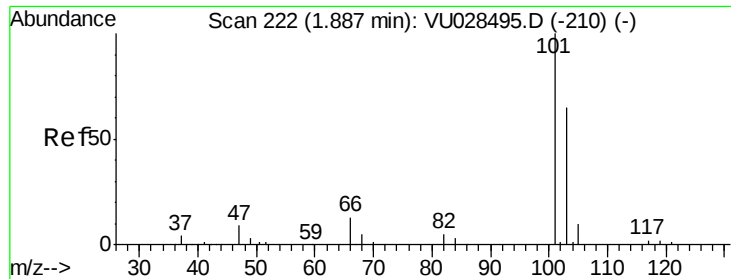
66 31.7 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

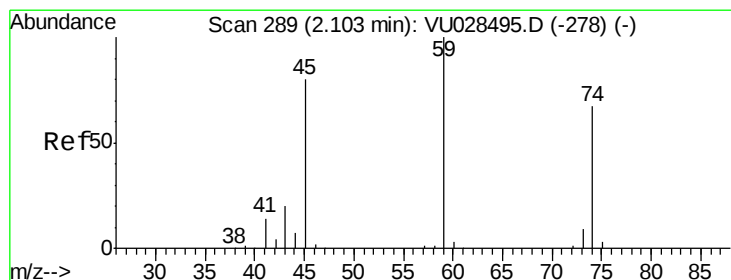
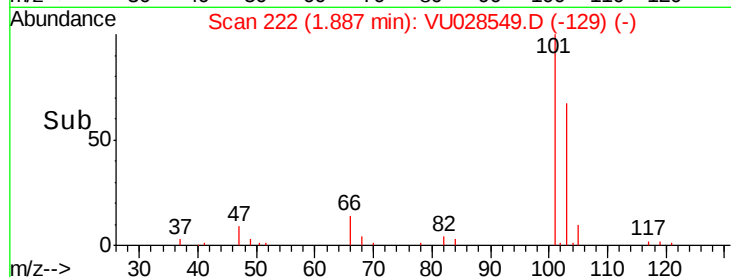
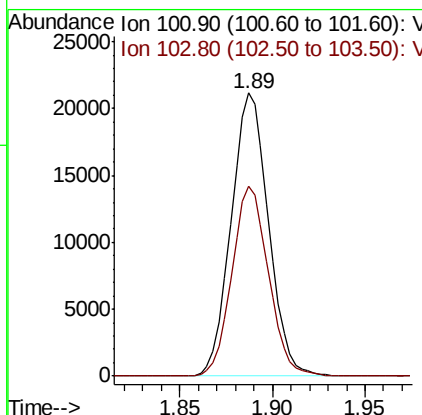
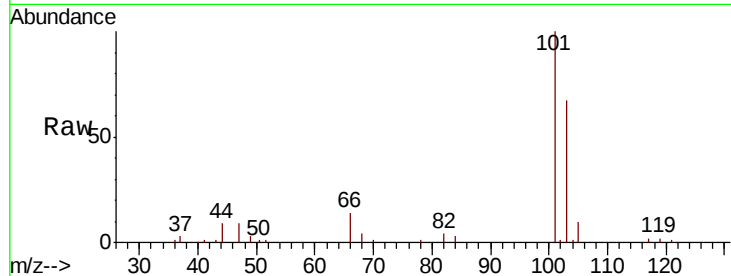
Trichlorofluoromethane
 Concen: 18.624 ug/l
 RT: 1.89 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VU028549.D
 Acq: 10 Dec 2018 14:27

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.3	52.3	78.5

Manual Integrations
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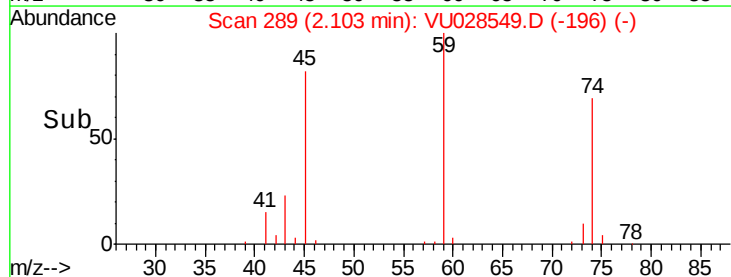
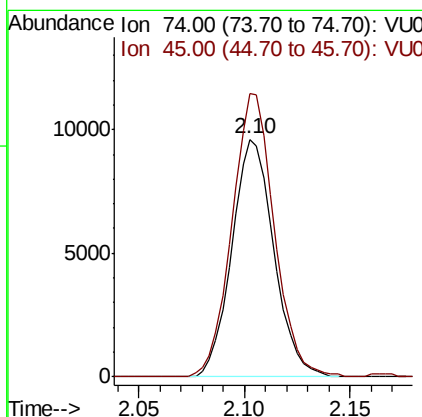
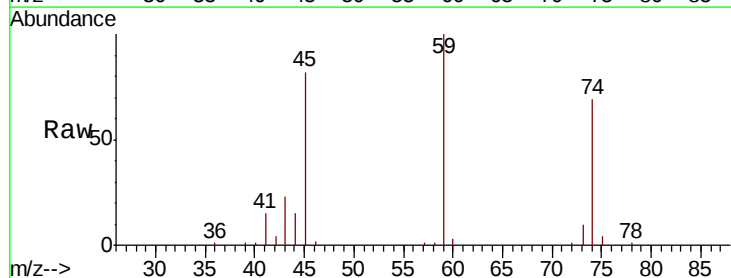
MMDadoda
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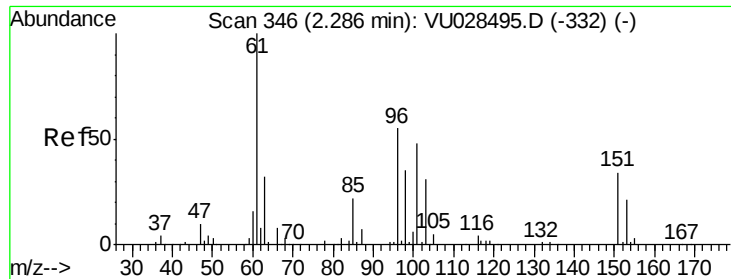


#8

Diethyl Ether
 Concen: 17.839 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU028549.D
 Acq: 10 Dec 2018 14:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	120.4	59.7	179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.549 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU028549.D

Acq: 10 Dec 2018 14:27

Instrument :

MSVOA_U

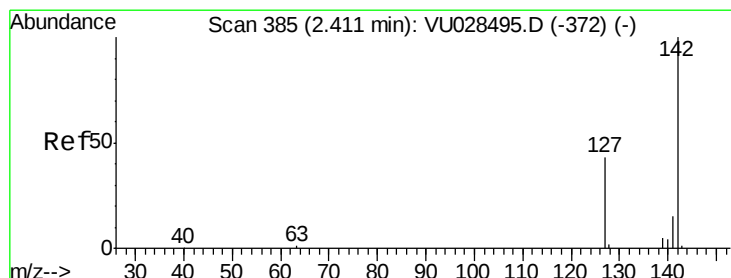
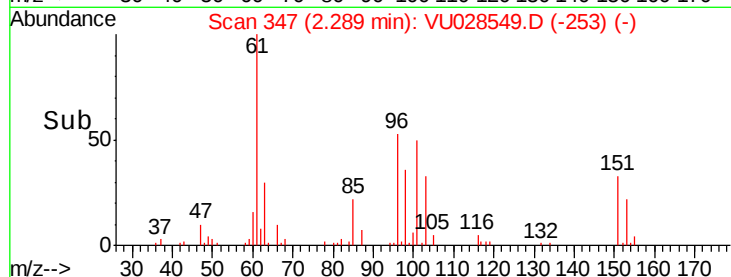
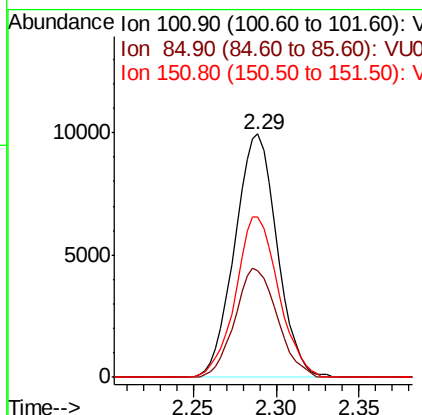
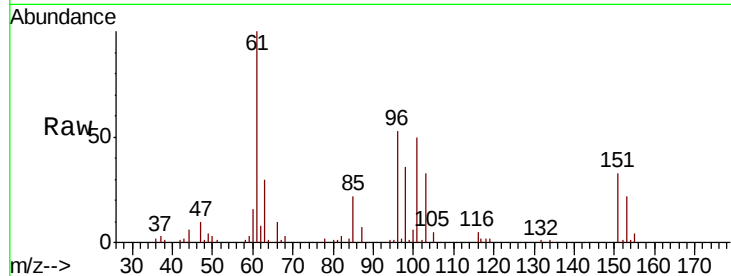
ClientSampleId :

VU1211WBS01

Tot Ion:	101	Resp:	17616
Ion Ratio	Lower	Upper	
101	100		
85	44.8	36.4	54.6
151	67.1	58.2	87.2

Manual Integrations
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#10

Methyl Iodide

Concen: 13.998 ug/l

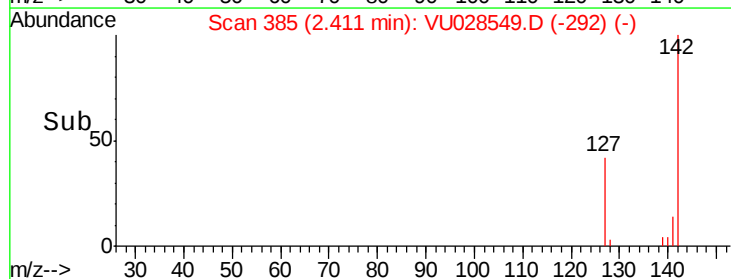
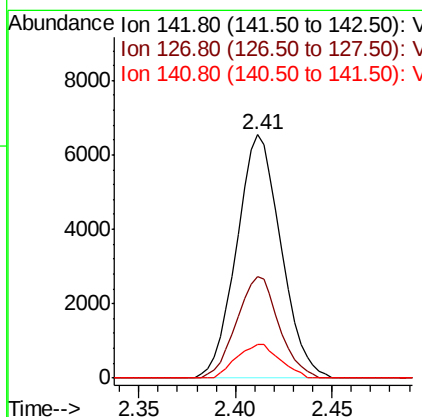
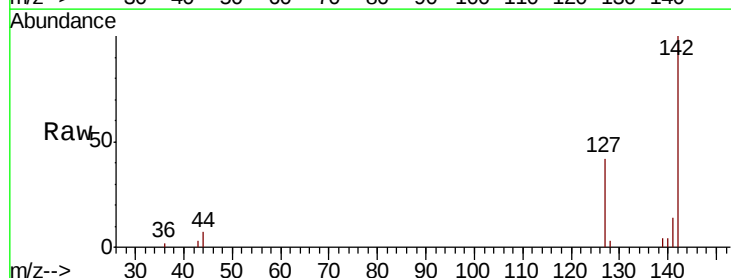
RT: 2.41 min Scan# 385

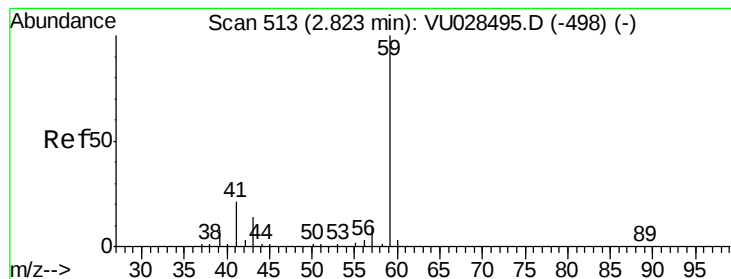
Delta R.T. -0.00 min

Lab File: VU028549.D

Acq: 10 Dec 2018 14:27

Tgt Ion:	142	Resp:	10431
Ion Ratio	Lower	Upper	
142	100		
127	39.9	33.5	50.3
141	13.5	11.2	16.8





#11

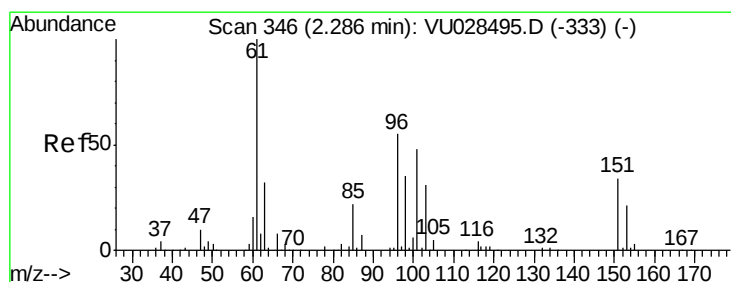
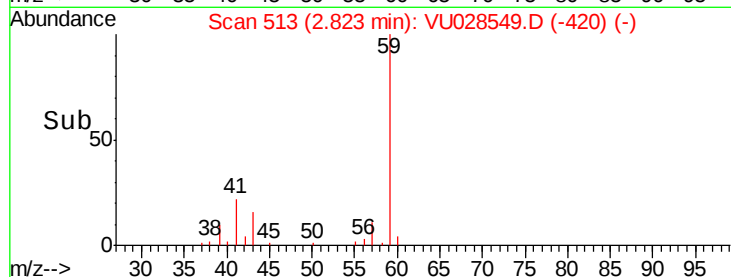
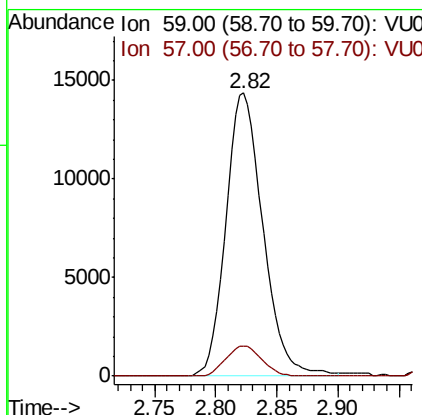
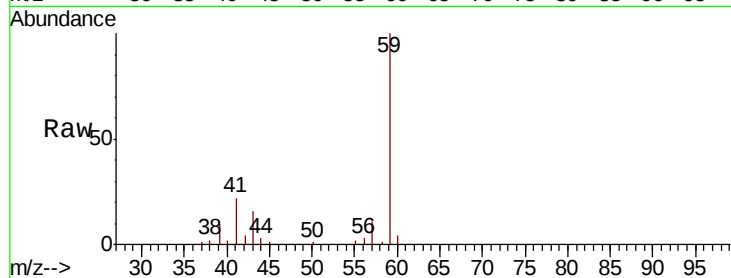
Tert butyl alcohol
 Concen: 105.448 ug/l
 RT: 2.82 min Scan# 513
 Delta R.T. -0.00 min
 Lab File: VU028549.D
 Acq: 10 Dec 2018 14:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.0	12.0

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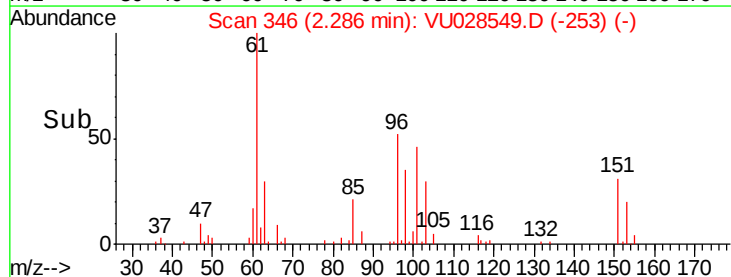
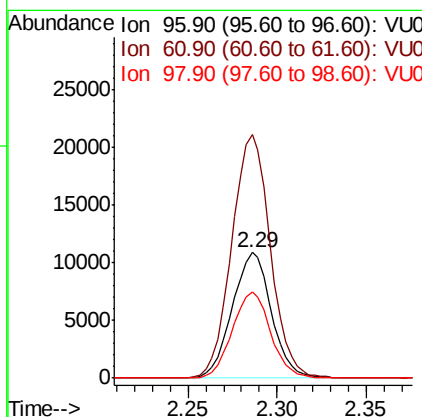
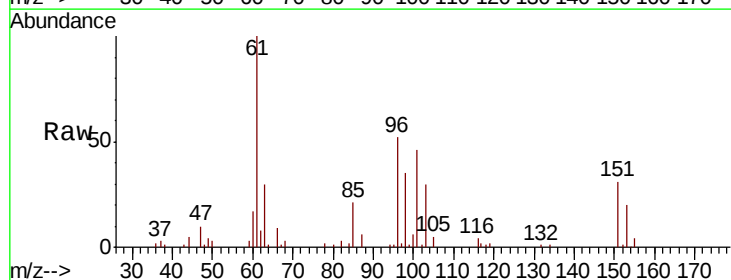
MMDadoda
 12/11/2018 12:10:04 PM

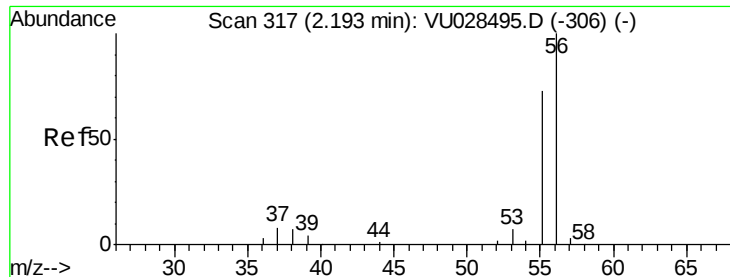


#12

1,1-Dichloroethene
 Concen: 17.620 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. -0.00 min
 Lab File: VU028549.D
 Acq: 10 Dec 2018 14:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	193.9	146.4	219.6
98	68.3	51.8	77.8





#13

Acrolein

Concen: 90.646 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028549.D

Acq: 10 Dec 2018 14:27

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBS01

Tot Ion: 56 Resp: 20852

Ion Ratio Lower Upper

56 100

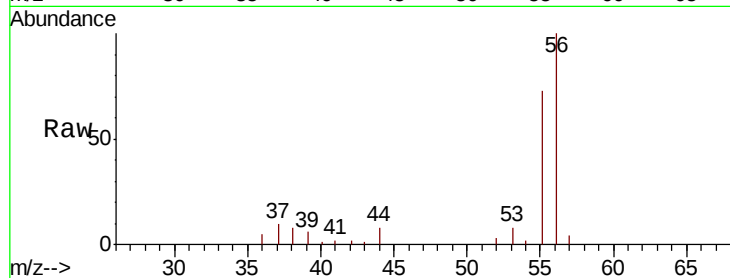
55 74.0 57.5 86.3

Manual Integrations

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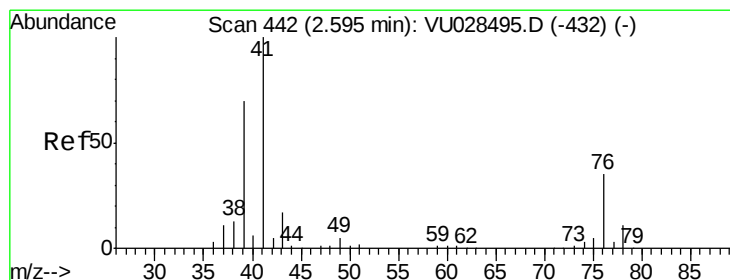
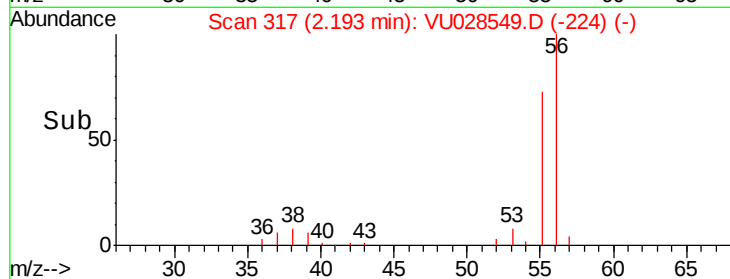
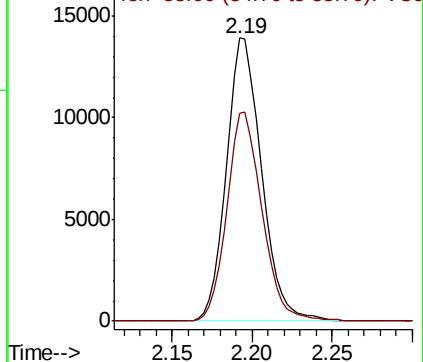
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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 17.970 ug/l

RT: 2.59 min Scan# 442

Delta R.T. -0.00 min

Lab File: VU028549.D

Acq: 10 Dec 2018 14:27

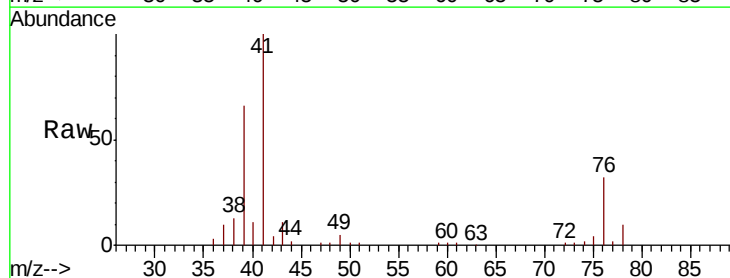
Tgt Ion: 41 Resp: 40171

Ion Ratio Lower Upper

41 100

39 63.6 50.8 76.2

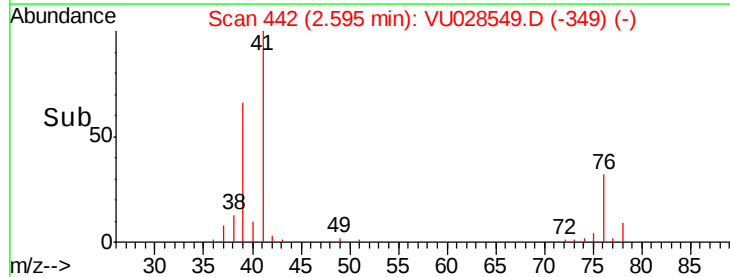
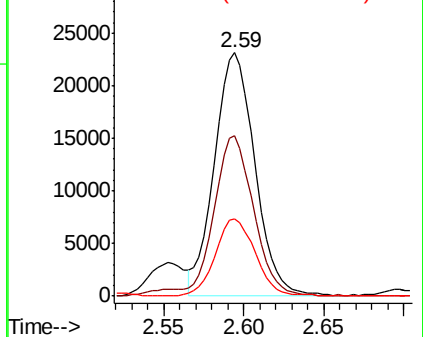
76 31.3 24.8 37.2

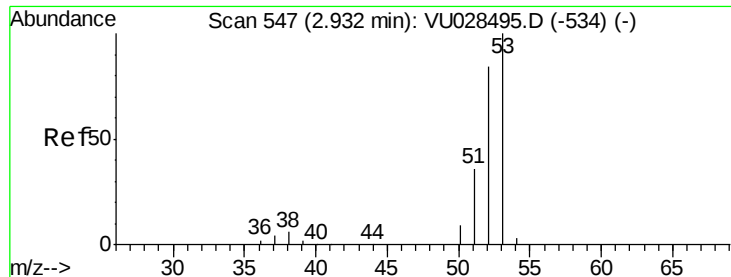


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 97.119 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028549.D

Acq: 10 Dec 2018 14:27

Instrument :

MSVOA_U

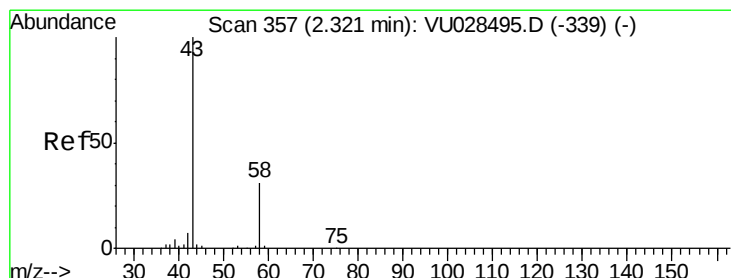
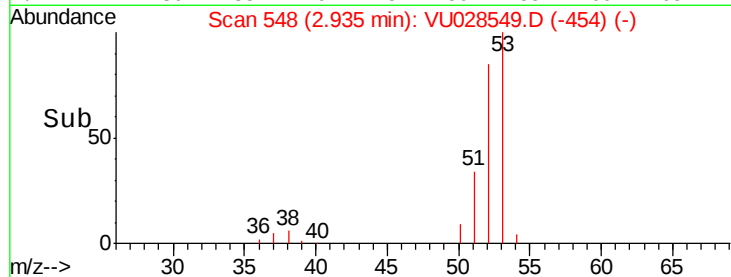
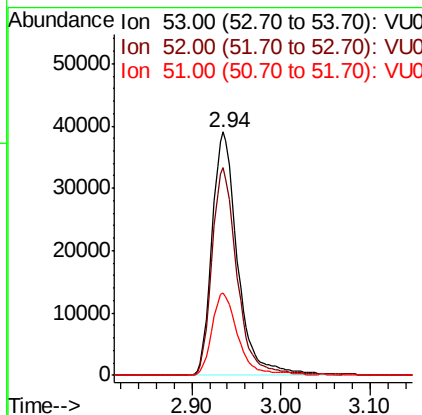
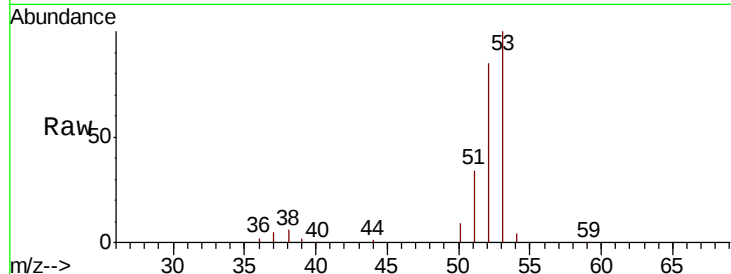
ClientSampleId :

VU1211WBS01

Tot Ion:	53	Resp:	77805
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.1	99.1
51	33.6	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 101.129 ug/l

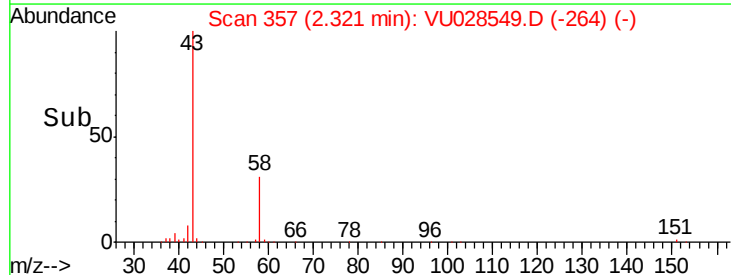
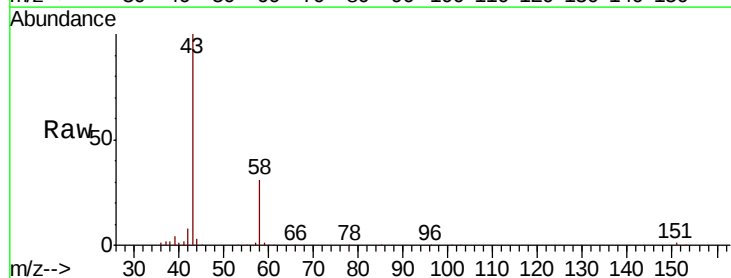
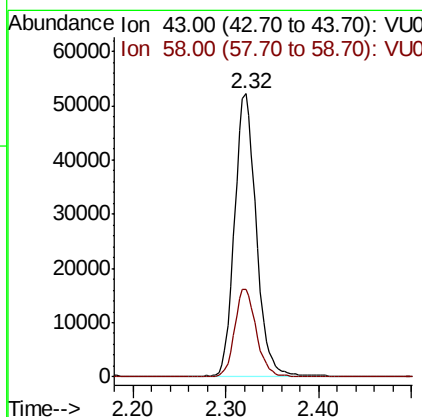
RT: 2.32 min Scan# 357

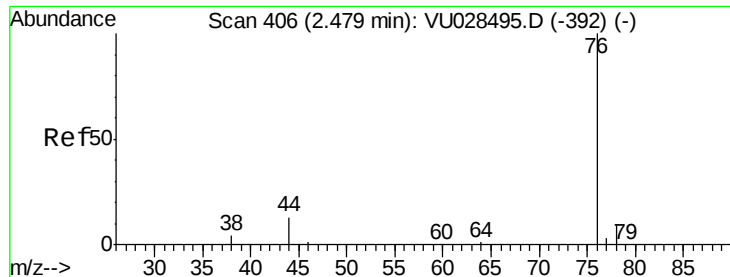
Delta R.T. -0.00 min

Lab File: VU028549.D

Acq: 10 Dec 2018 14:27

Tgt Ion:	43	Resp:	85470
Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.6	37.0





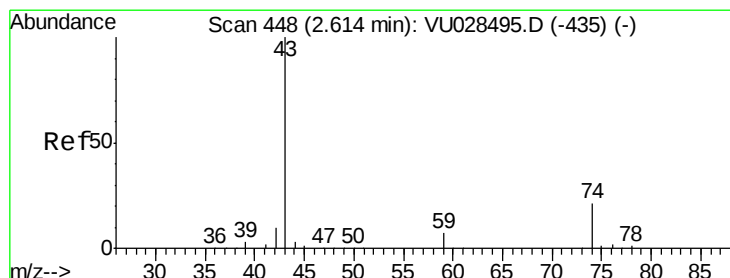
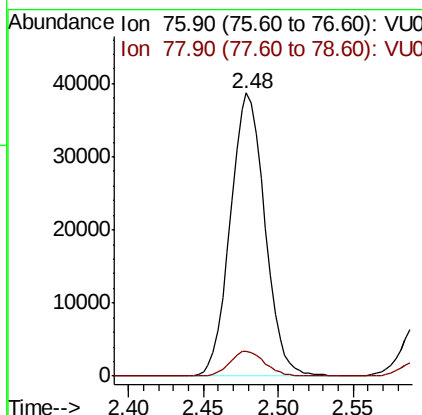
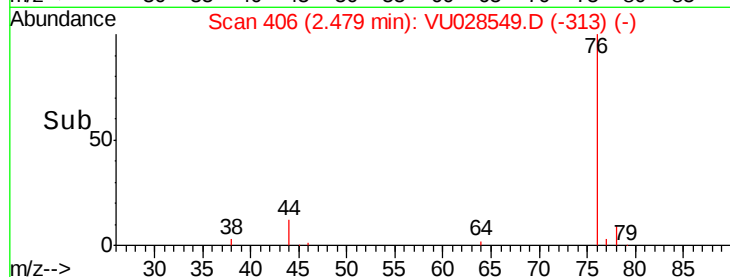
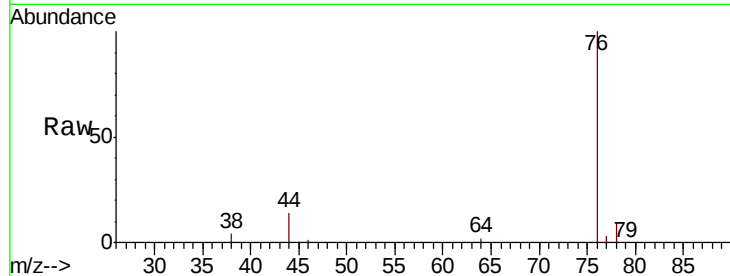
#17
Carbon Disulfide
Concen: 18.295 ug/l
RT: 2.48 min Scan# 406
Delta R.T. -0.00 min
Lab File: VU028549.D
Acq: 10 Dec 2018 14:27

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.2	10.8

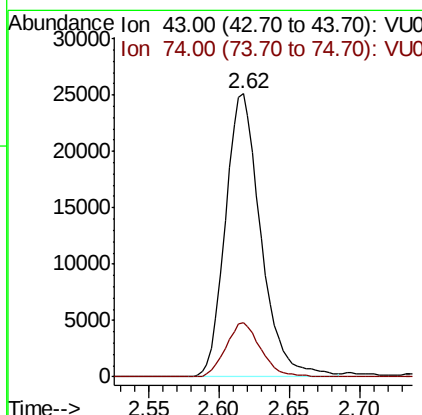
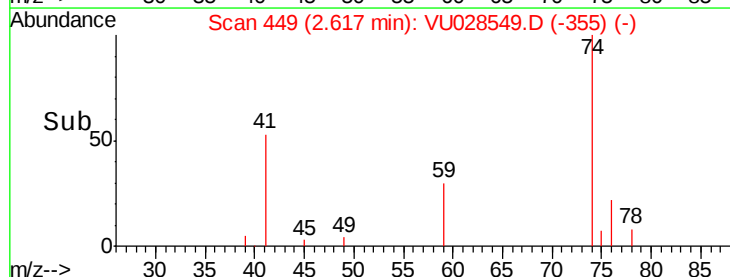
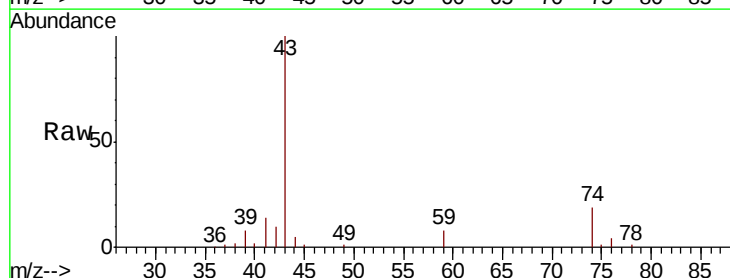
Manual Integrations
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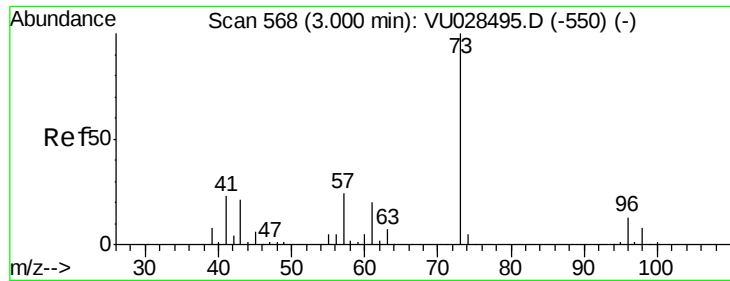
MMDadoda
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#18
Methyl Acetate
Concen: 20.173 ug/l
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU028549.D
Acq: 10 Dec 2018 14:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.7	16.4	24.6





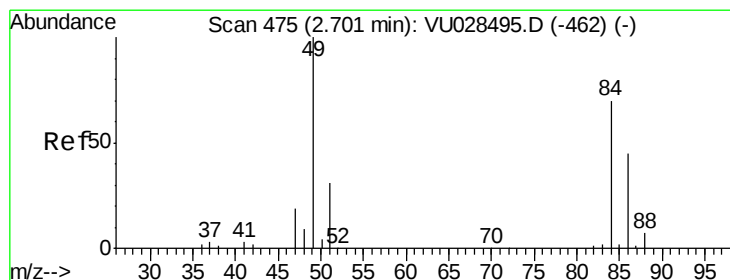
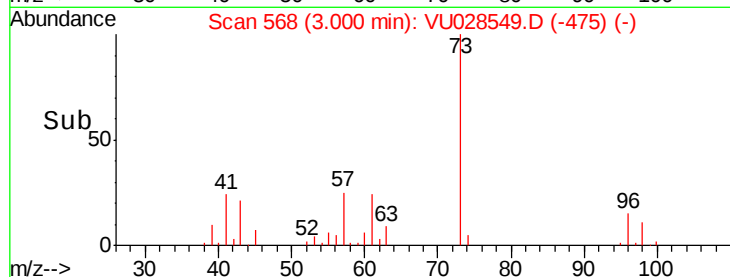
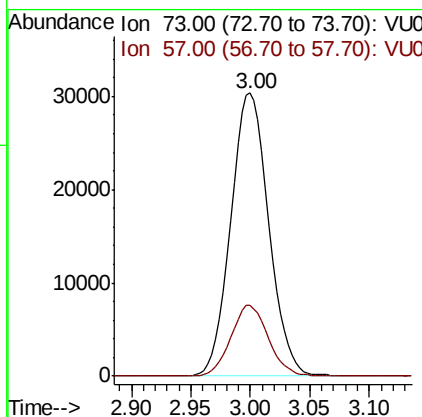
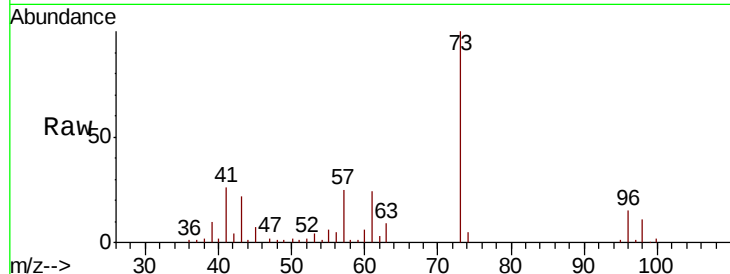
#19
Methvl tert-butvl Ether
Concen: 18.720 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU028549.D
Acq: 10 Dec 2018 14:27

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.8	19.4	29.2

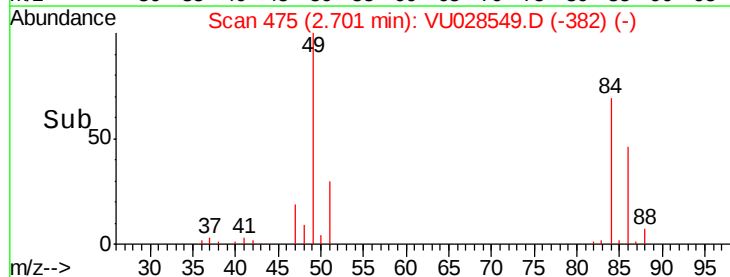
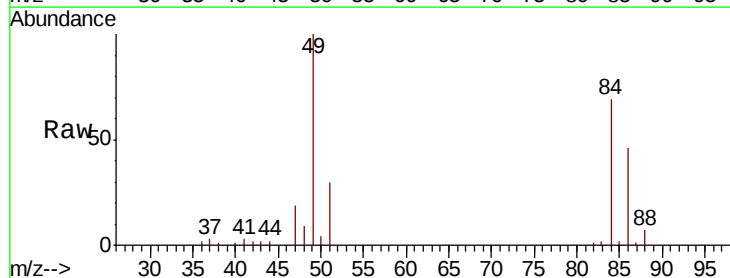
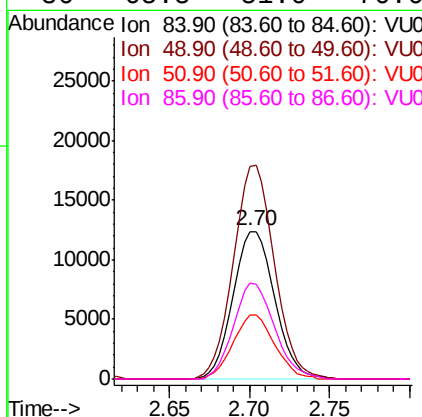
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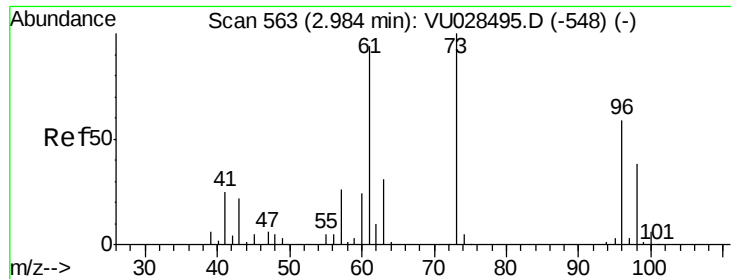
MMDadoda
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#20
Methylene Chloride
Concen: 17.694 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028549.D
Acq: 10 Dec 2018 14:27

Tgt Ion	Ratio	Lower	Upper
84	100		
49	143.9	114.0	171.0
51	43.1	35.1	52.7
86	65.5	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 18.052 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU028549.D

Acq: 10 Dec 2018 14:27

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBS01

Tot Ion: 96 Resp: 19206

Ion Ratio Lower Upper

96 100

61 156.7 127.0 190.4

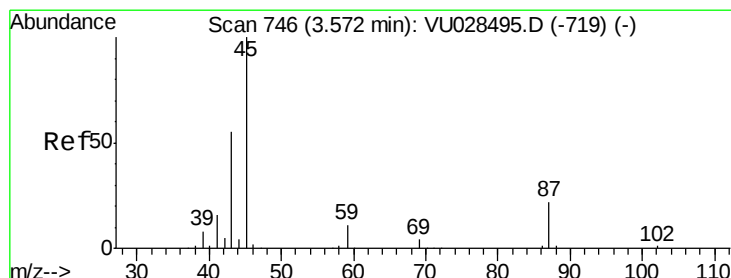
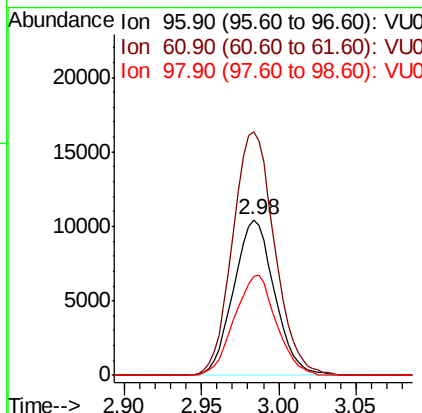
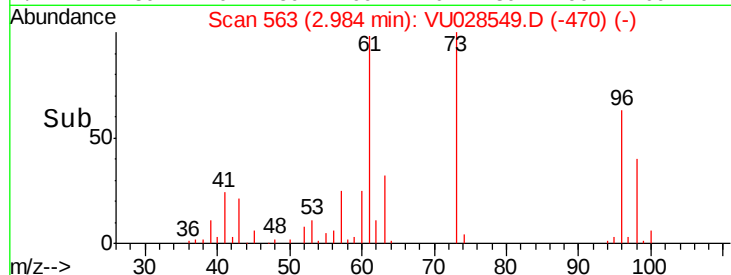
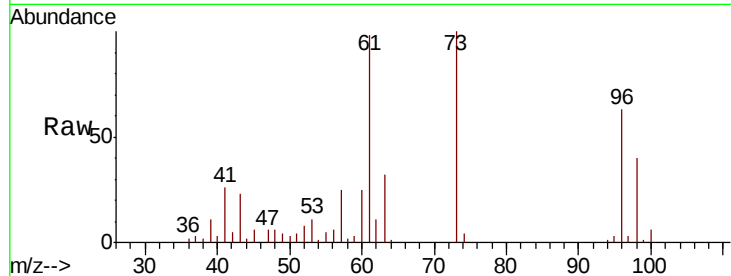
98 63.8 51.9 77.9

Manual Integrations

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#22

Diisopropyl ether

Concen: 19.236 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028549.D

Acq: 10 Dec 2018 14:27

Tgt Ion: 45 Resp: 83621

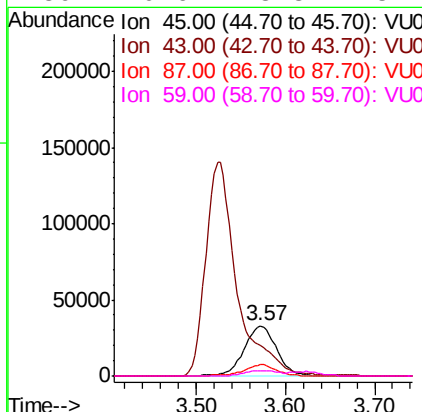
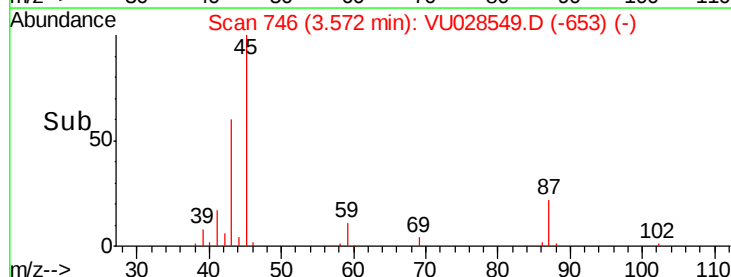
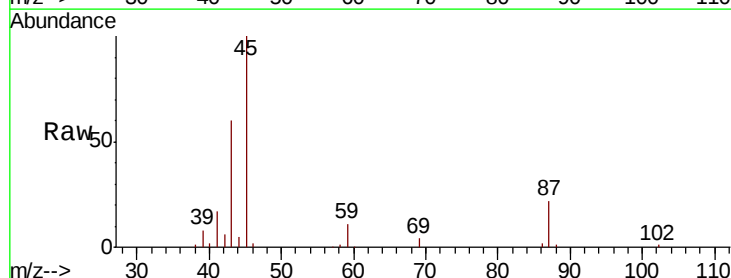
Ion Ratio Lower Upper

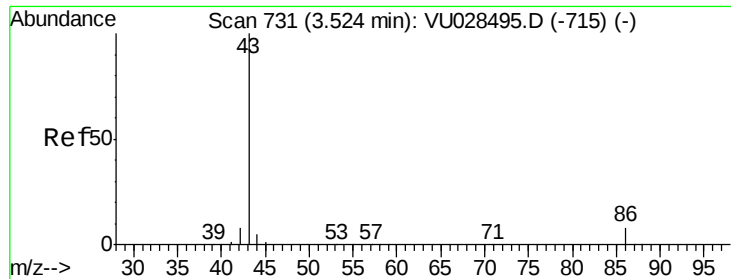
45 100

43 58.6 45.3 67.9

87 22.4 17.6 26.4

59 10.6 8.8 13.2





#23

Vinyl Acetate

Concen: 95.653 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028549.D

Acq: 10 Dec 2018 14:27

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBS01

Tot Ion: 43 Resp: 342978

Ion Ratio Lower Upper

43 100

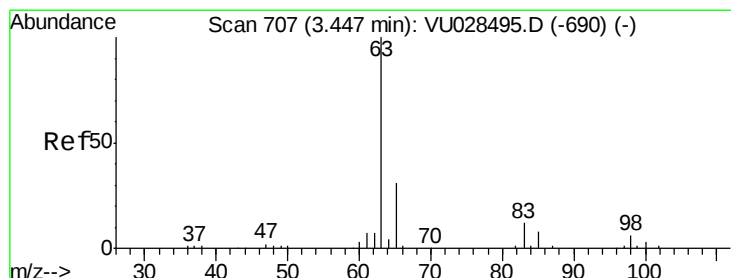
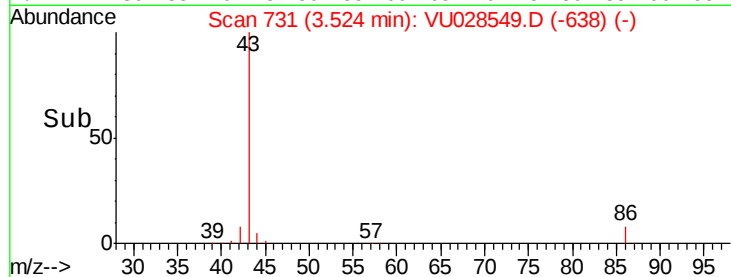
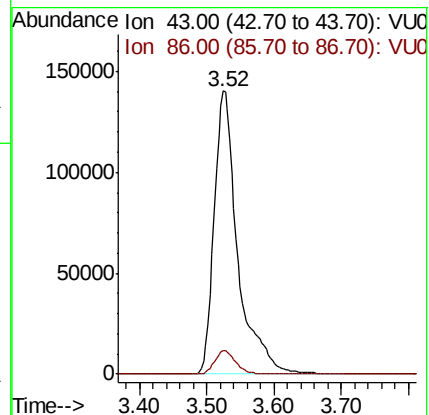
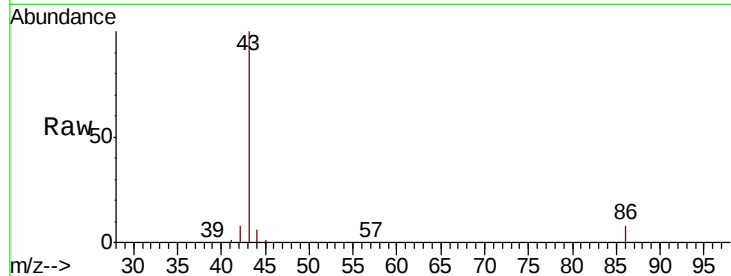
86 8.2 6.8 10.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 18.838 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU028549.D

Acq: 10 Dec 2018 14:27

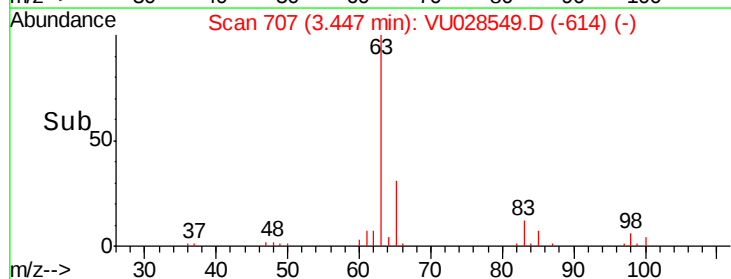
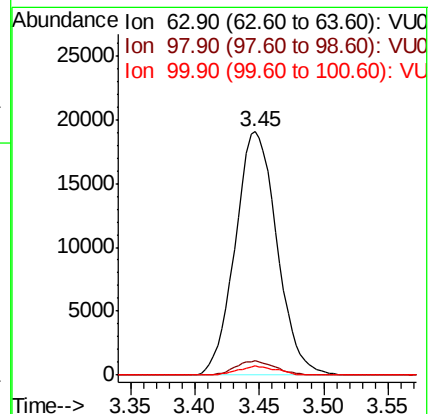
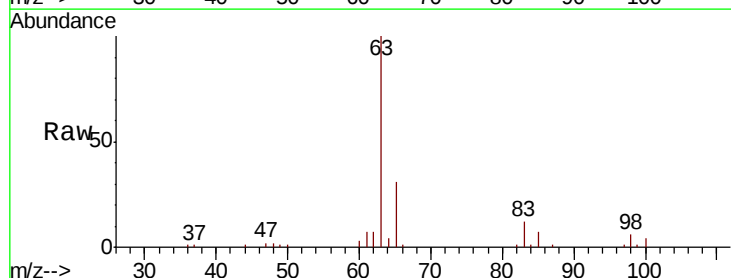
Tgt Ion: 63 Resp: 42867

Ion Ratio Lower Upper

63 100

98 5.7 3.0 9.2

100 3.7 1.7 5.1





#25

2-Butanone

Concen: 100.628 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028549.D

Acq: 10 Dec 2018 14:27

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBS01

Tot Ion: 43 Resp: 116225

Ion Ratio Lower Upper

43 100

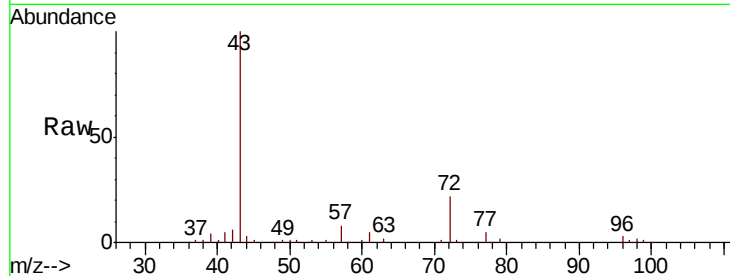
72 22.4 18.6 28.0

Manual Integrations

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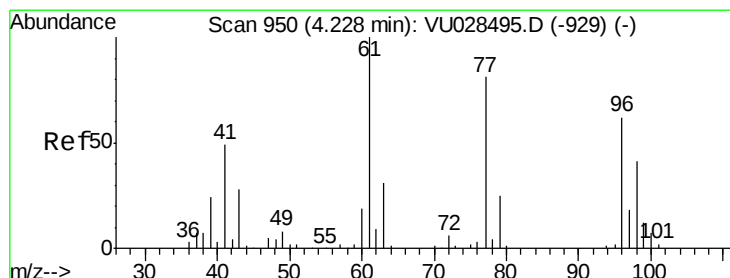
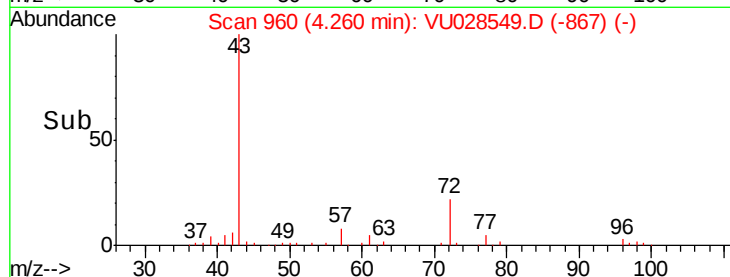
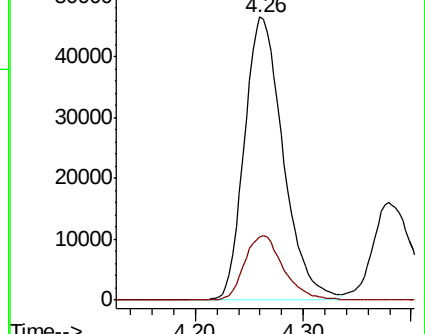
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 19.006 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU028549.D

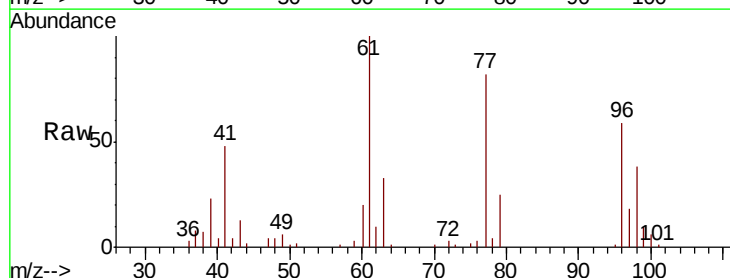
Acq: 10 Dec 2018 14:27

Tgt Ion: 77 Resp: 34268

Ion Ratio Lower Upper

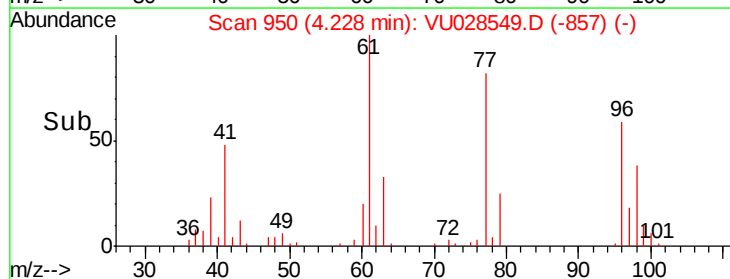
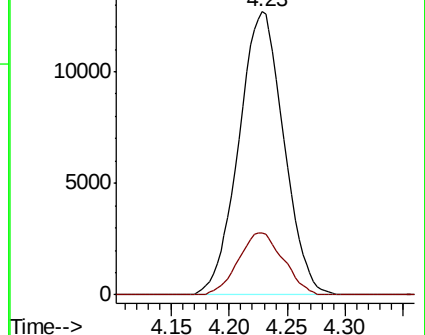
77 100

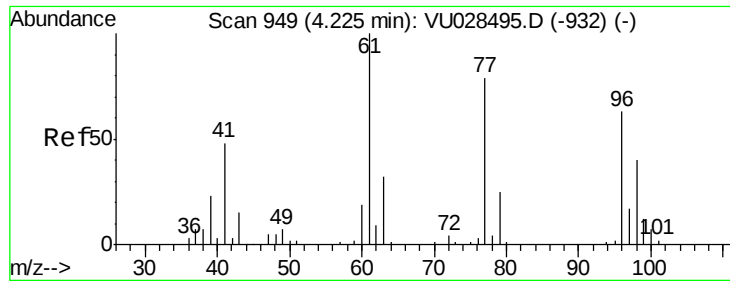
97 21.8 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

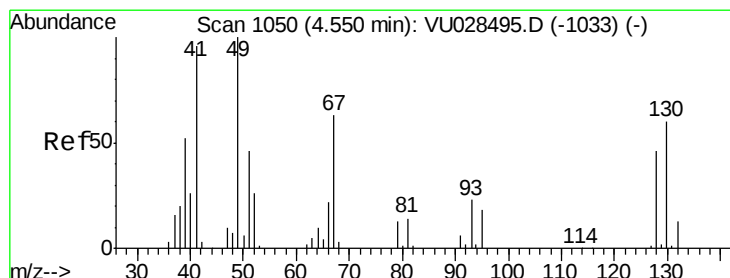
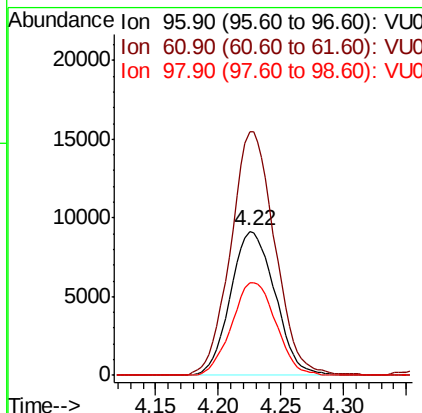
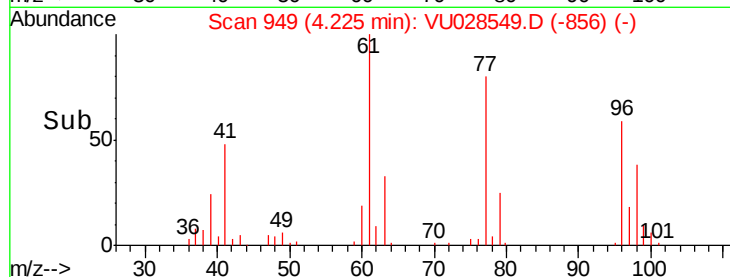
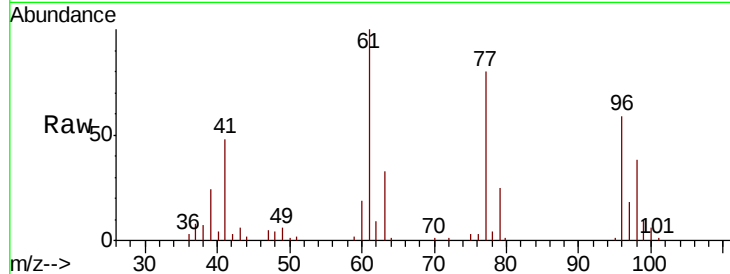
cis-1,2-Dichloroethene
Concen: 18.685 ug/l
RT: 4.22 min Scan# 949
Delta R.T. -0.00 min
Lab File: VU028549.D
Acq: 10 Dec 2018 14:27

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	167.8	0.0	332.4
98	64.1	0.0	129.0

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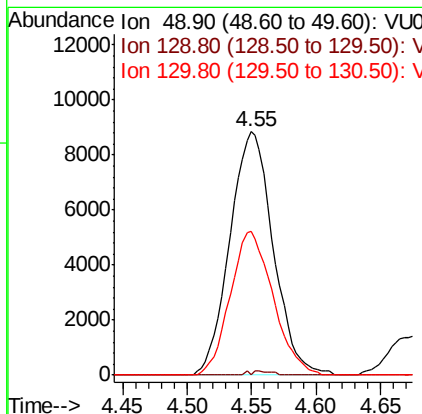
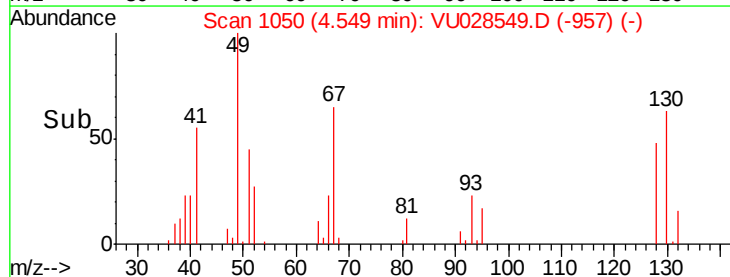
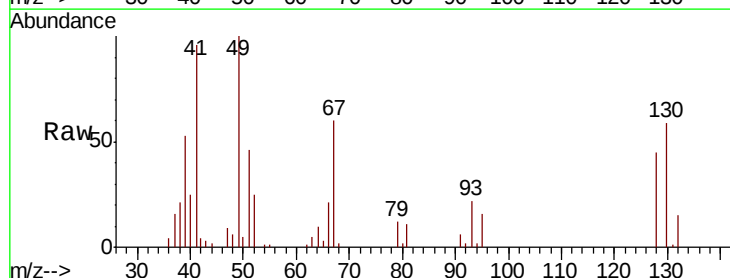
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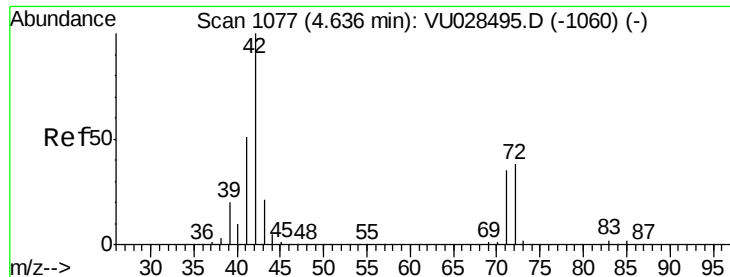


#28

Bromochloromethane
Concen: 19.983 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU028549.D
Acq: 10 Dec 2018 14:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	3.0
130	58.2	47.8	71.8





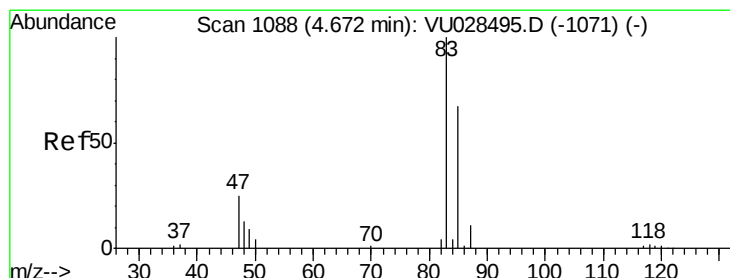
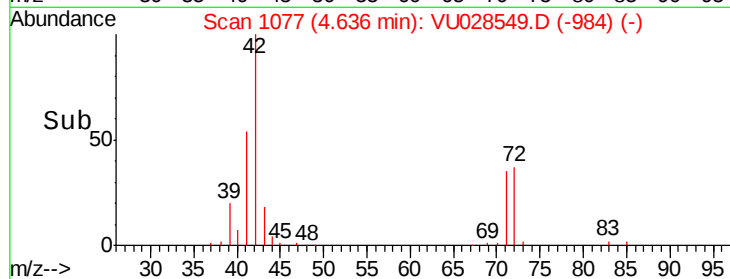
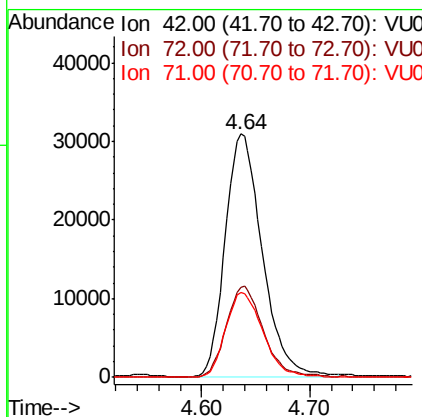
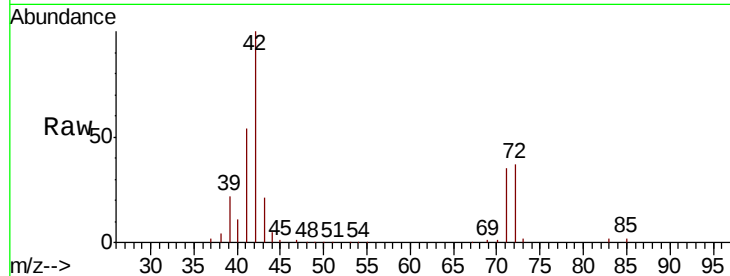
#29
Tetrahydrofuran
Concen: 100.424 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU028549.D
Acq: 10 Dec 2018 14:27

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.2	31.4	47.0
71	34.8	28.6	43.0

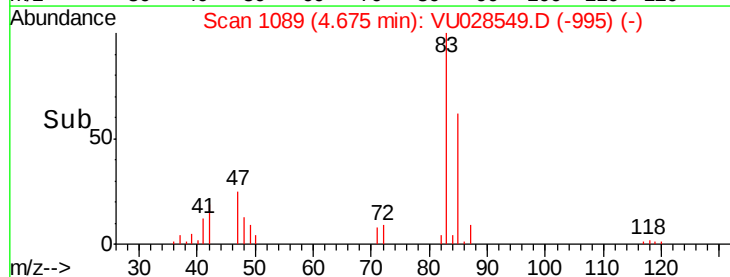
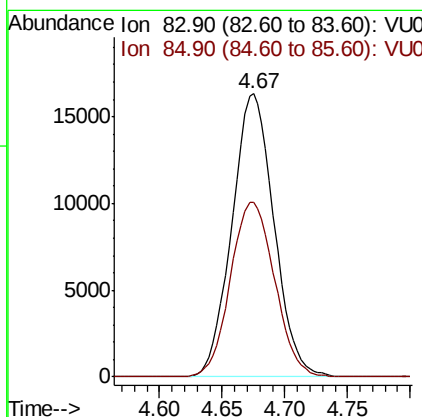
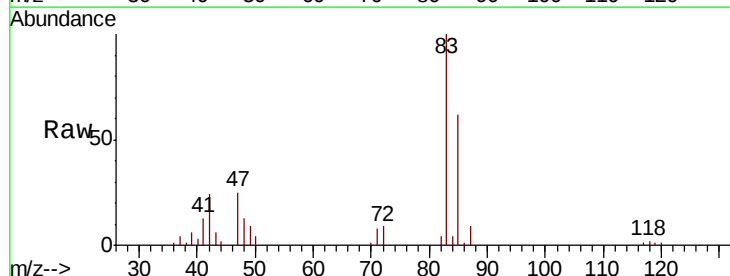
Manual Integrations
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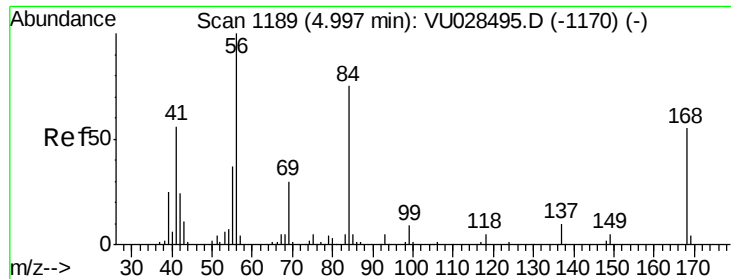
MMDadoda
12/11/2018 12:10:04 PM



#30
Chloroform
Concen: 19.165 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU028549.D
Acq: 10 Dec 2018 14:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.8	53.6	80.4





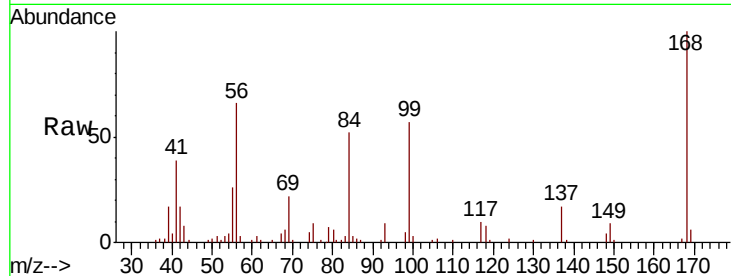
#31
Cyclohexane
Concen: 18.176 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU028549.D
Acq: 10 Dec 2018 14:27

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.9	24.0	36.0
84	78.0	59.7	89.5

Manual Integrations
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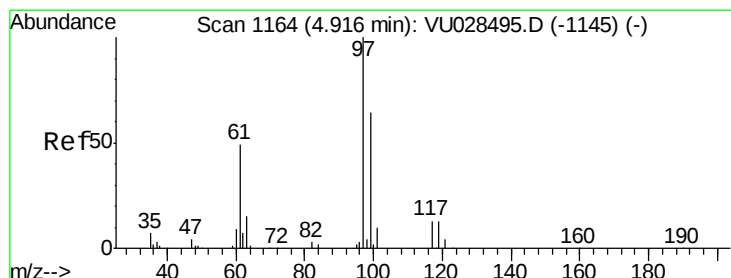
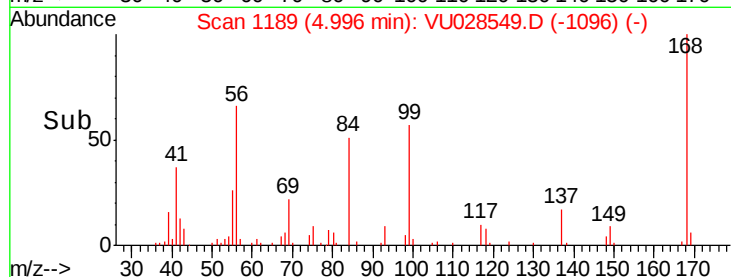
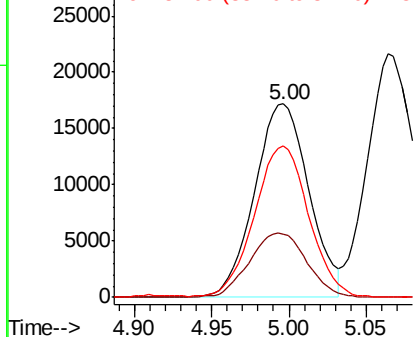


Abundance

Ion 56.00 (55.70 to 56.70): VU0

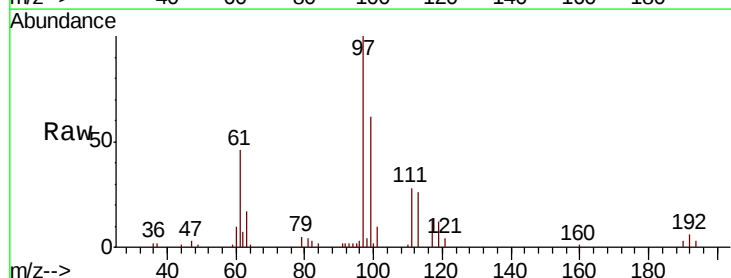
Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#32
1,1,1-Trichloroethane
Concen: 19.095 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028549.D
Acq: 10 Dec 2018 14:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.2	52.3	78.5
61	47.9	39.0	58.6

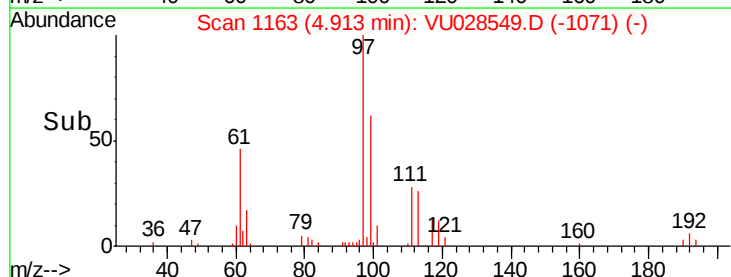
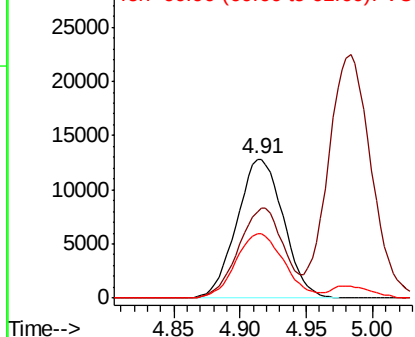


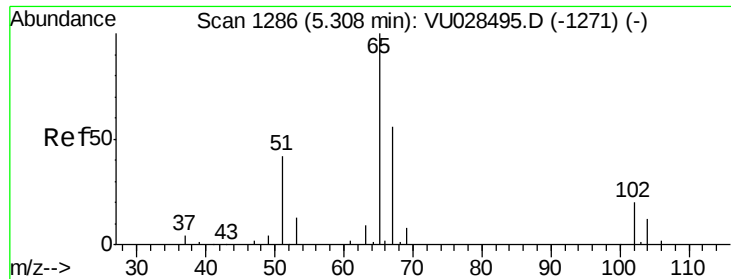
Abundance

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





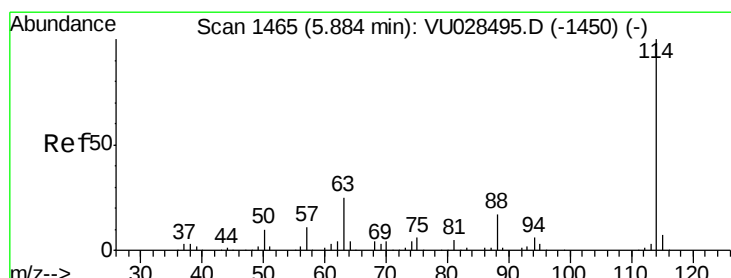
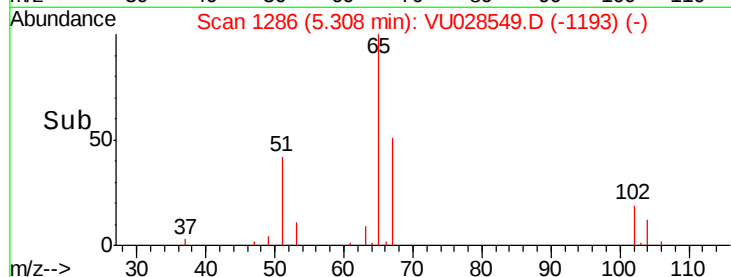
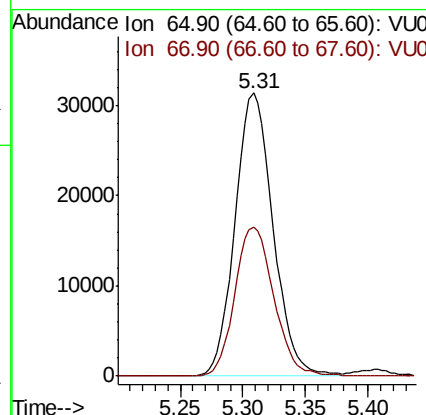
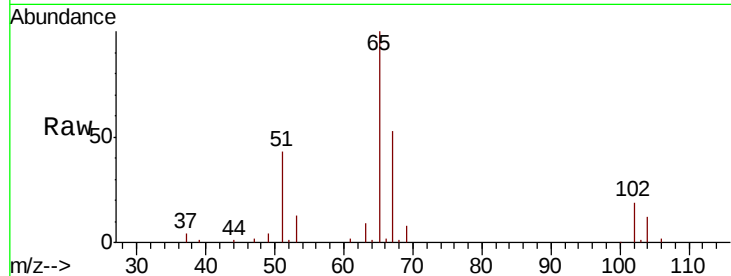
#33
 1,2-Dichloroethane-d4
 Concen: 51.073 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028549.D
 Acq: 10 Dec 2018 14:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	110.6

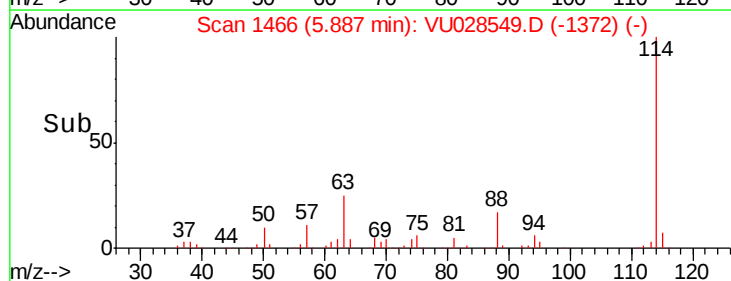
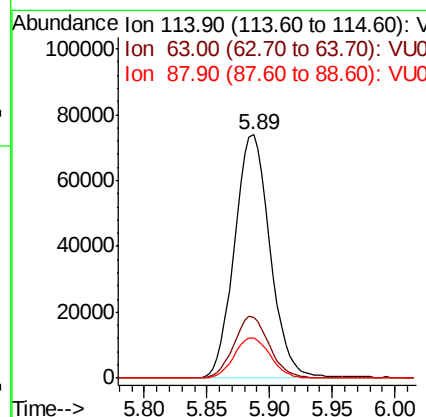
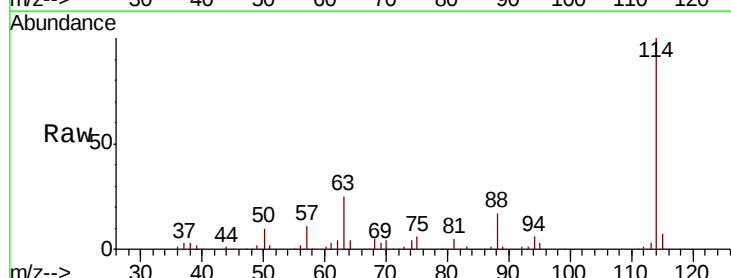
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028549.D
 Acq: 10 Dec 2018 14:27

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.0	0.0	49.2
88	16.5	0.0	33.4





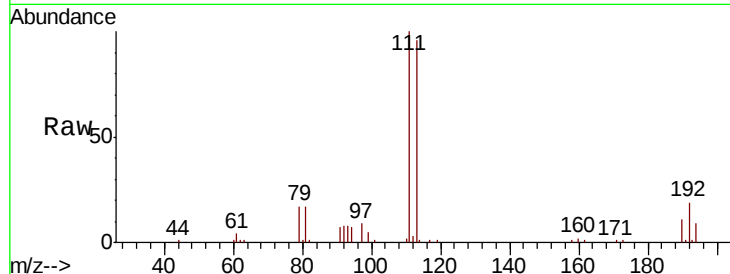
#35
 Dibromofluoromethane
 Concen: 52.409 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU028549.D
 Acq: 10 Dec 2018 14:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	48184		
111	102.8	83.4	125.0	
192	19.3	14.8	22.2	

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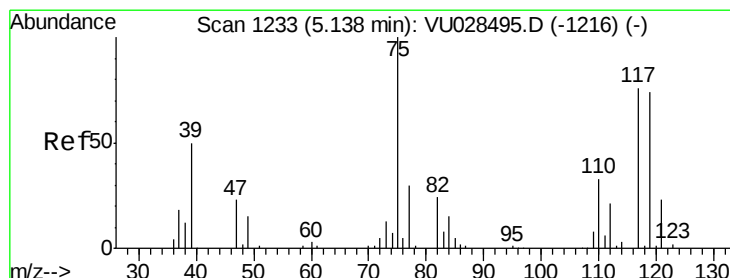
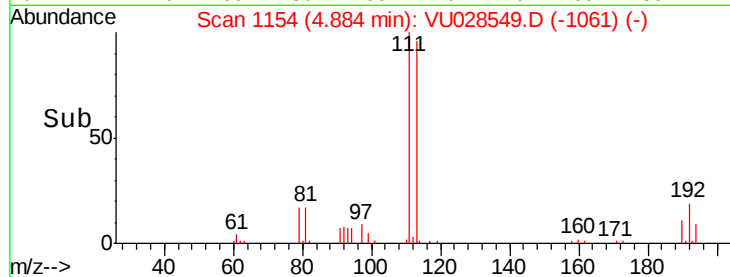
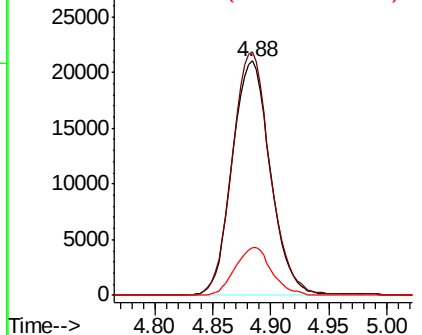


Abundance

Ion 112.80 (112.50 to 113.50): V

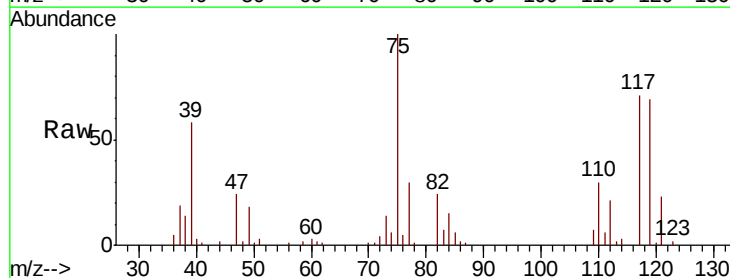
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 19.097 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VU028549.D
 Acq: 10 Dec 2018 14:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	30530		
110	30.3	16.1	48.2	
77	29.3	24.5	36.7	

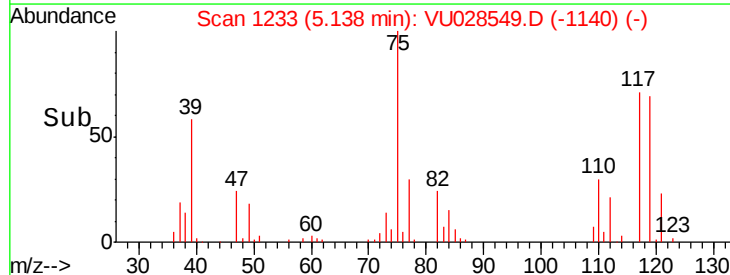
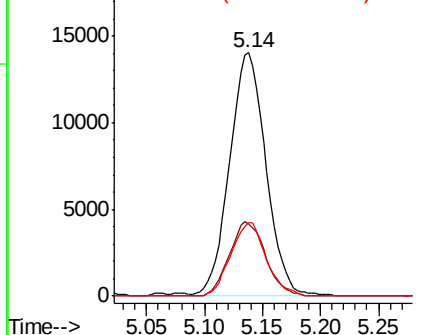


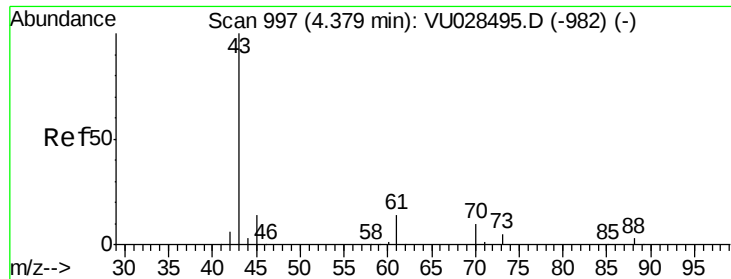
Abundance

Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#37

Ethyl Acetate

Concen: 19.176 ug/l

RT: 4.38 min Scan# 997

Delta R.T. -0.00 min

Lab File: VU028549.D

Acq: 10 Dec 2018 14:27

Instrument :

MSVOA_U

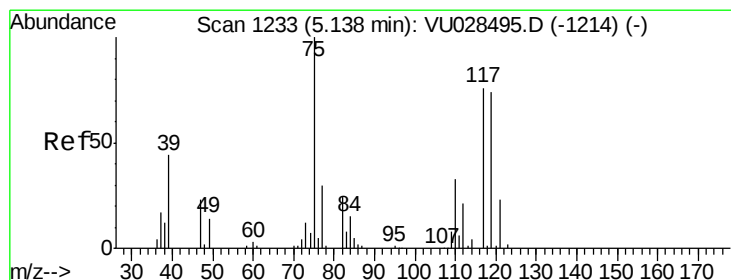
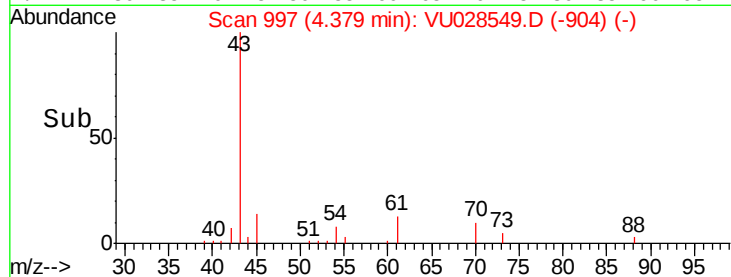
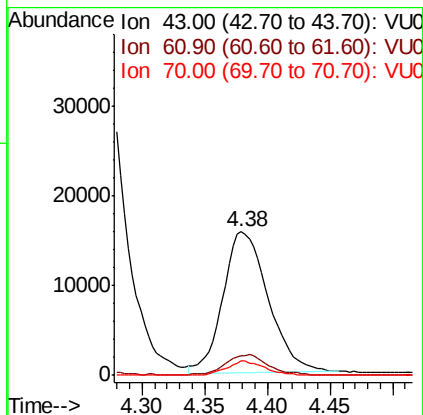
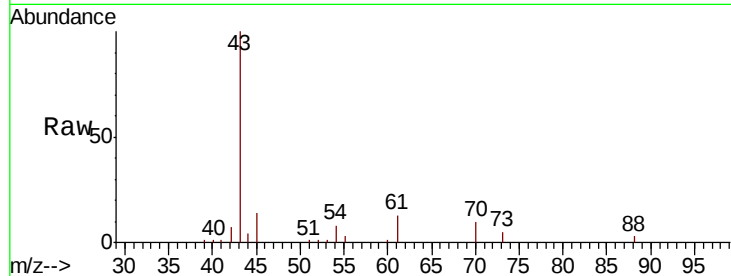
ClientSampleId :

VU1211WBS01

Tot Ion:	43	Resp:	39630
Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.0	16.4
70	8.5	7.4	11.0

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 18.720 ug/l

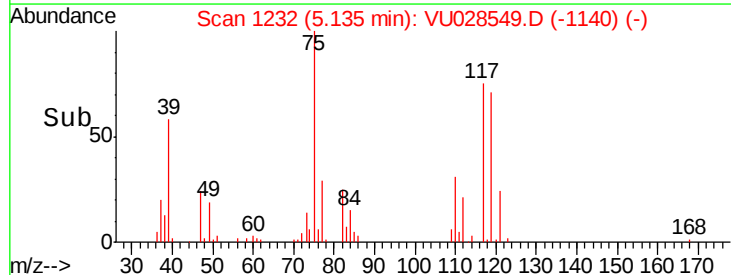
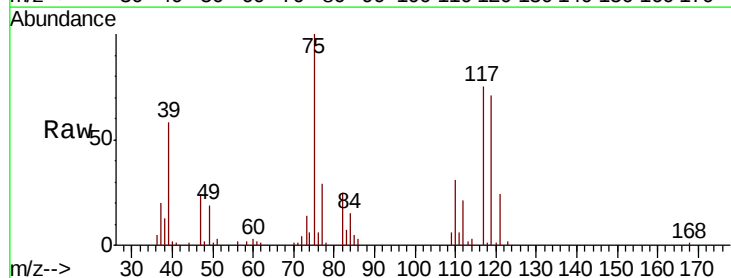
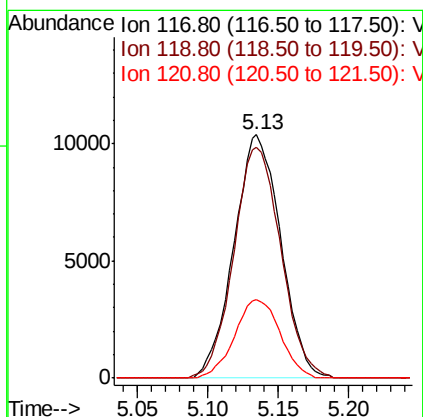
RT: 5.13 min Scan# 1232

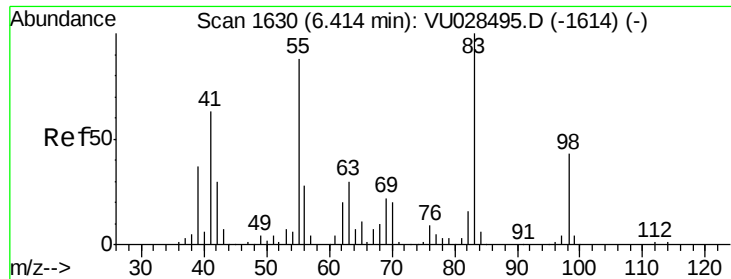
Delta R.T. -0.00 min

Lab File: VU028549.D

Acq: 10 Dec 2018 14:27

Tgt Ion:	117	Resp:	24122
Ion	Ratio	Lower	Upper
117	100		
119	94.9	77.6	116.4
121	32.1	24.6	36.8





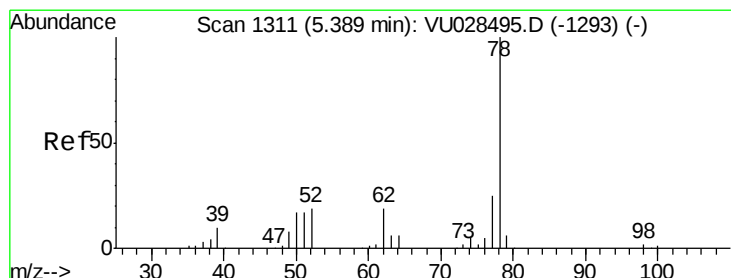
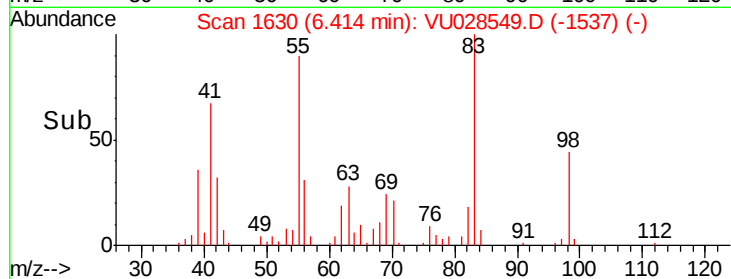
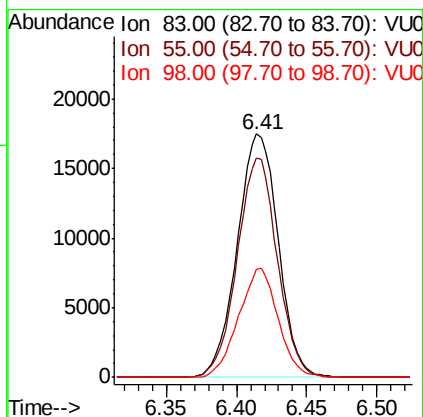
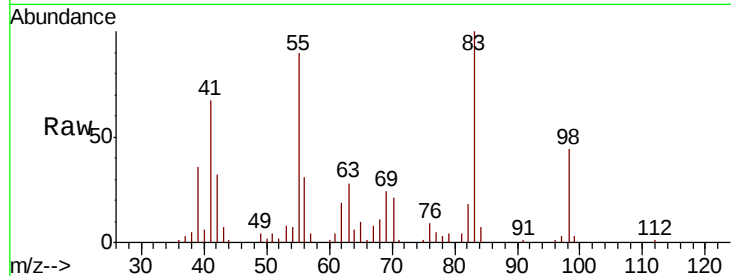
#39
Methvlcvclohexane
Concen: 18.250 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028549.D
Acq: 10 Dec 2018 14:27

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS01

Tot Ion	83.00	Resp	35595
Ion Ratio	100	Lower	Upper
83	100		
55	90.1	70.2	105.2
98	44.4	34.2	51.4

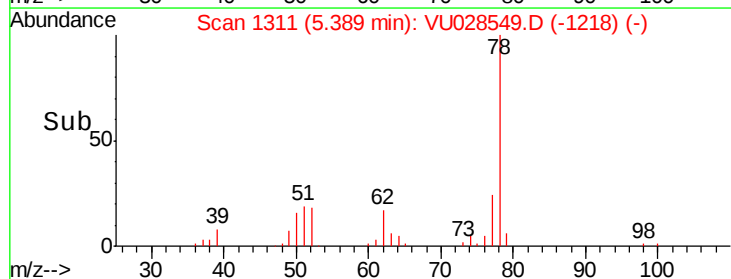
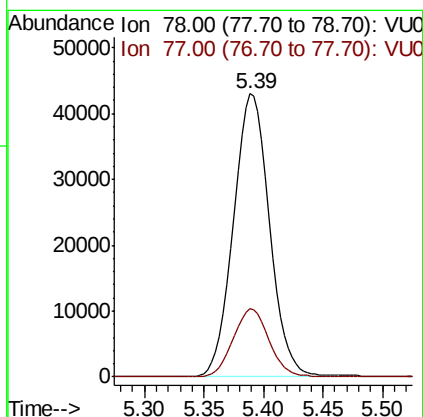
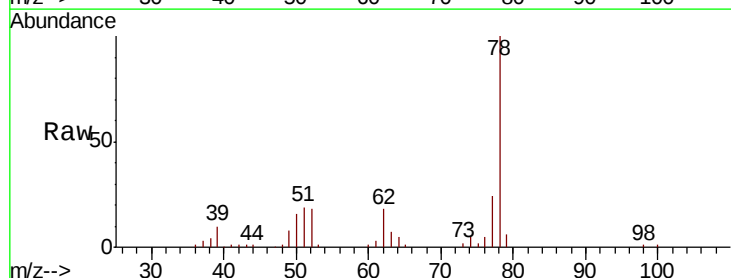
Manual Integrations
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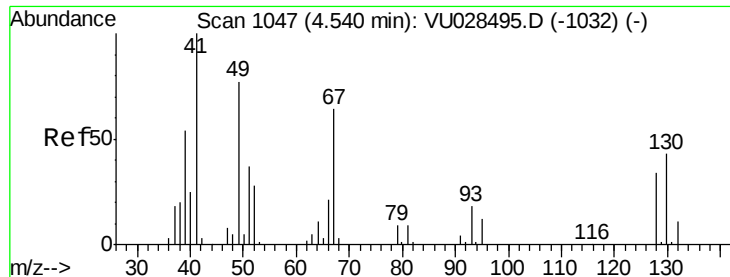
MMDadoda
12/11/2018 12:10:04 PM



#40
Benzene
Concen: 19.207 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028549.D
Acq: 10 Dec 2018 14:27

Tgt Ion	78.00	Resp	90438
Ion Ratio	100	Lower	Upper
78	100		
77	24.0	19.9	29.9





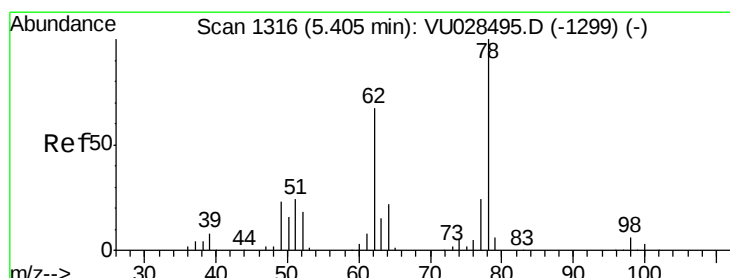
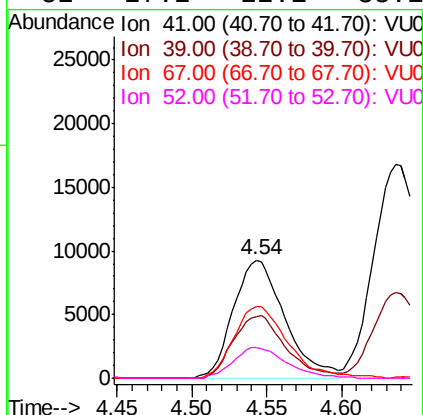
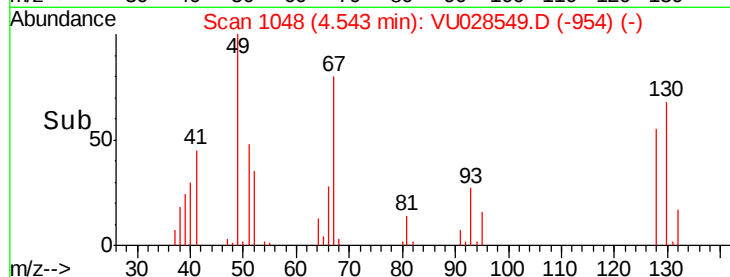
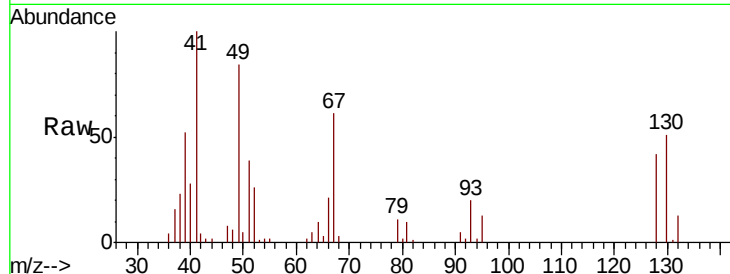
#41
Methacrylonitrile
Concen: 19.628 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU028549.D
Acq: 10 Dec 2018 14:27

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.1	43.3	64.9	
67	64.1	53.6	80.4	
52	27.2	22.1	33.1	

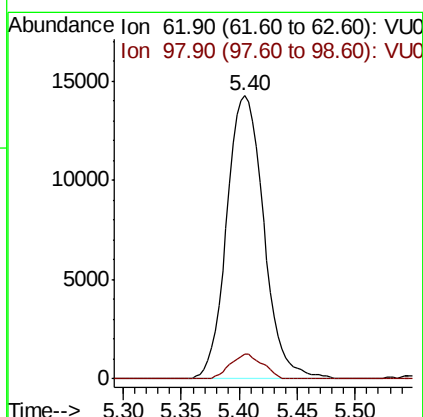
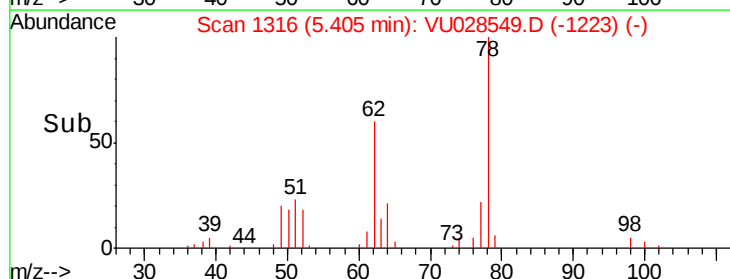
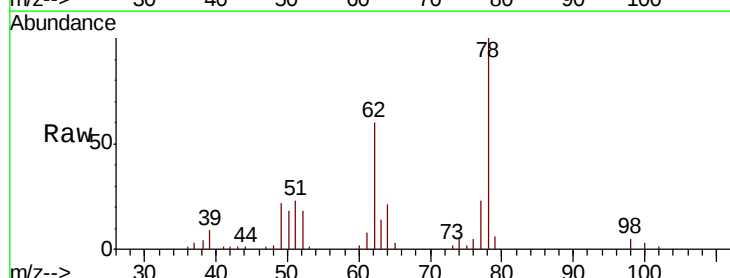
Manual Integrations
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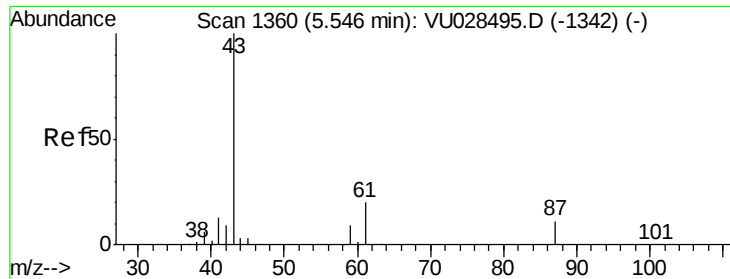
MMDadoda
12/11/2018 12:10:04 PM



#42
1,2-Dichloroethane
Concen: 19.228 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU028549.D
Acq: 10 Dec 2018 14:27

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.7	0.0	17.2	





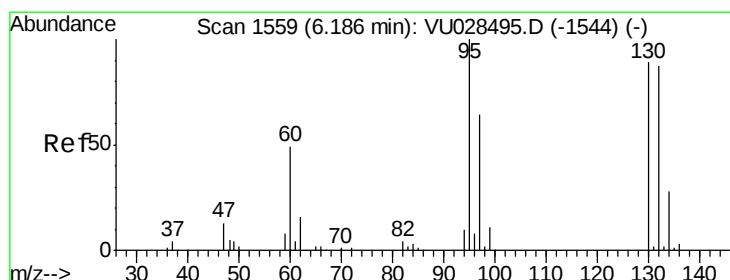
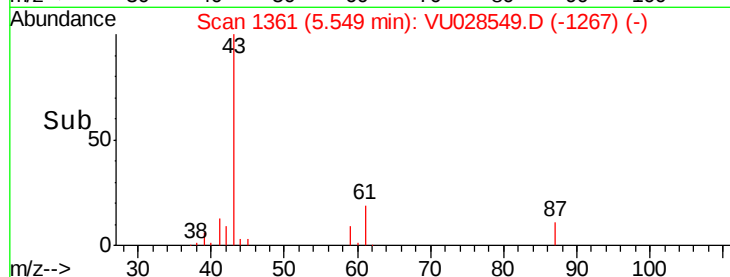
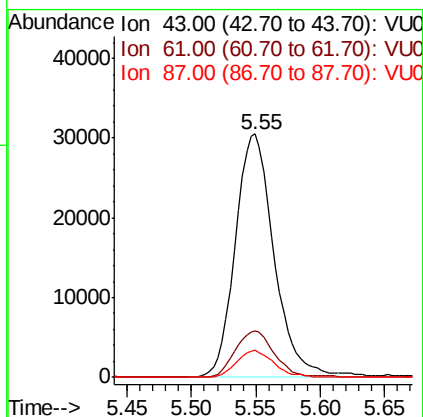
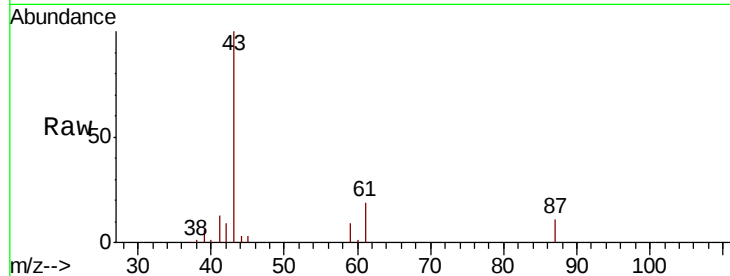
#43
Isopropyl Acetate
Concen: 19.459 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. 0.00 min
Lab File: VU028549.D
Acq: 10 Dec 2018 14:27

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.5	23.3
87	10.6	8.7	13.1

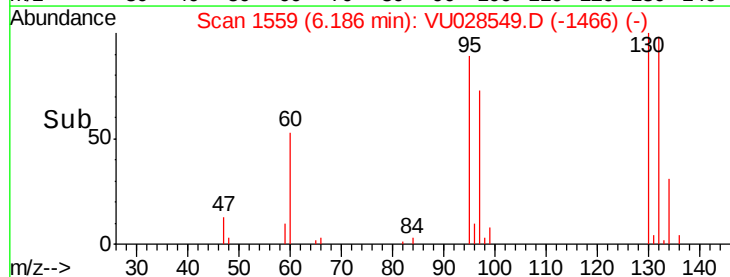
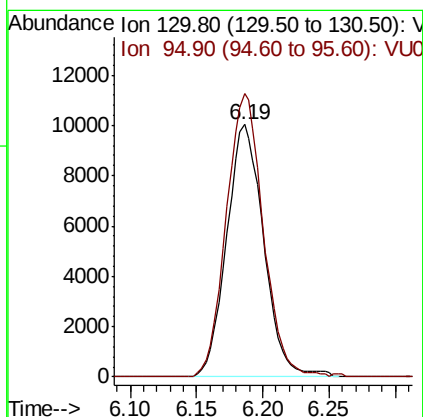
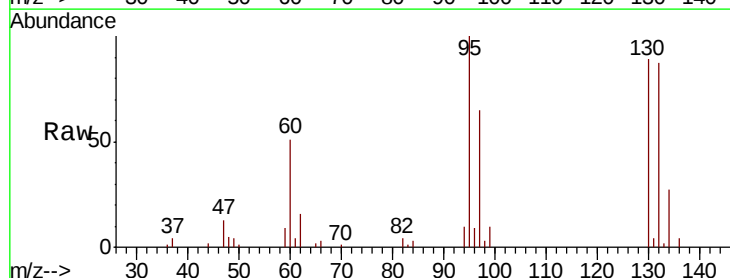
Manual Integrations
APPROVED

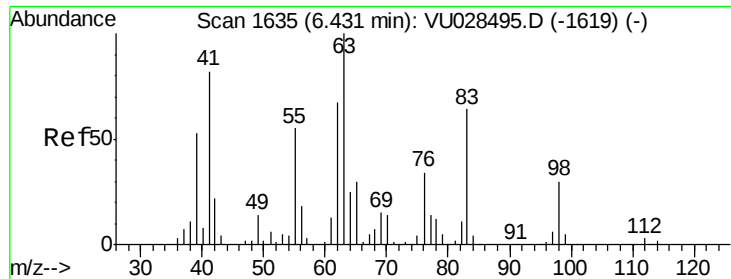
MMDadoda
12/11/2018 12:10:04 PM



#44
Trichloroethene
Concen: 18.620 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VU028549.D
Acq: 10 Dec 2018 14:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	112.3	0.0	224.0





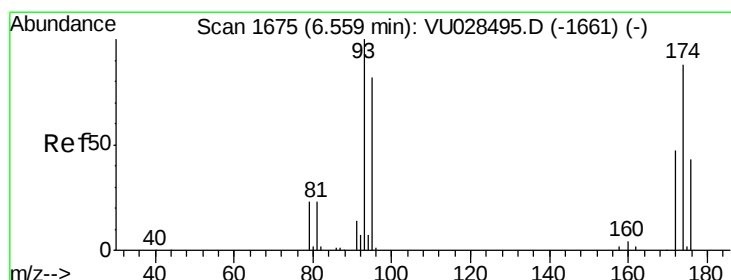
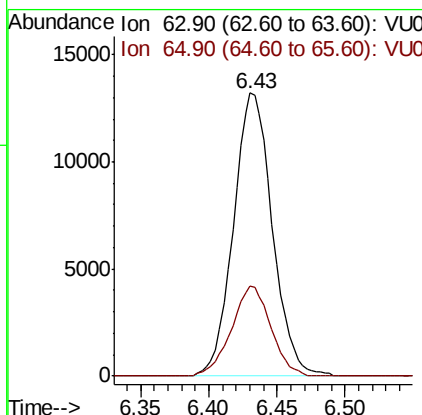
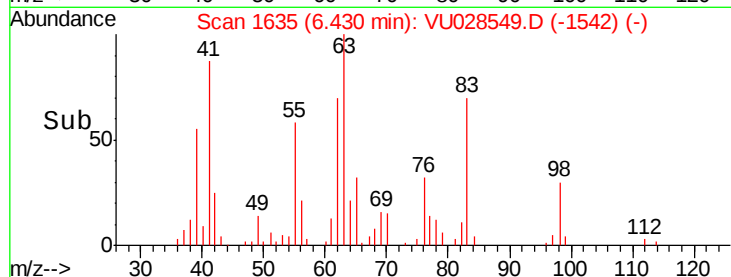
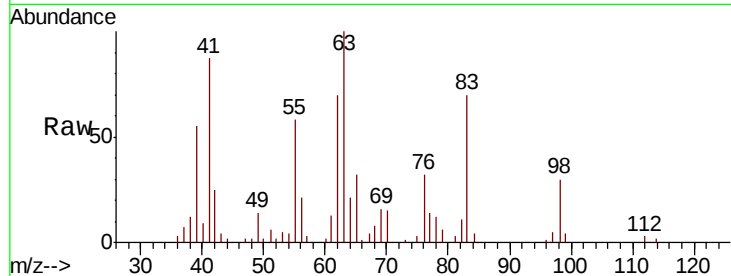
#45
 1,2-Dichloropropane
 Concen: 19.726 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VU028549.D
 Acq: 10 Dec 2018 14:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBS01

Tot Ion: 63 Resp: 26119
 Ion Ratio Lower Upper
 63 100
 65 32.0 24.2 36.4

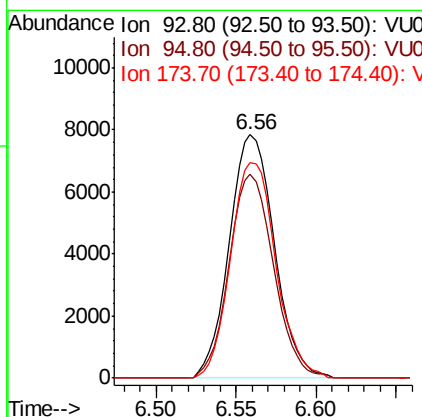
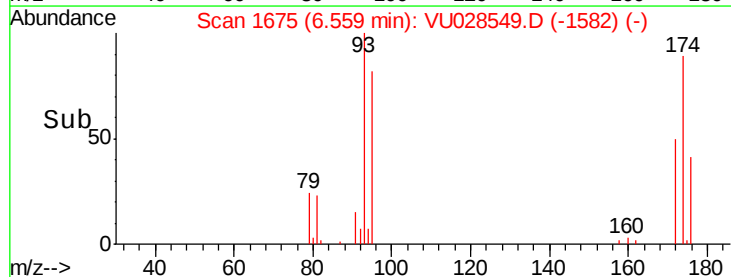
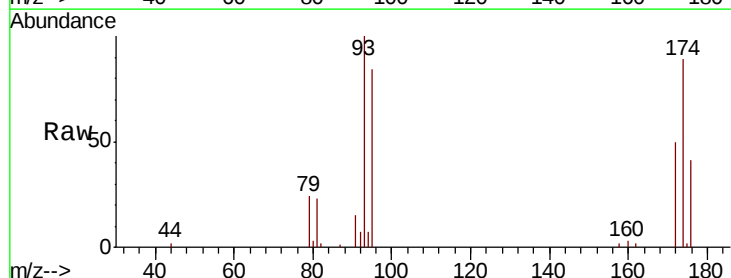
Manual Integrations
 APPROVED

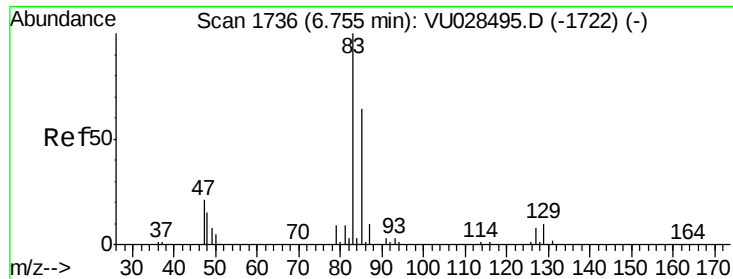
MMDadoda
 12/11/2018 12:10:04 PM



#46
 Dibromomethane
 Concen: 19.250 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU028549.D
 Acq: 10 Dec 2018 14:27

Tgt Ion: 93 Resp: 15123
 Ion Ratio Lower Upper
 93 100
 95 82.4 65.4 98.2
 174 88.8 72.2 108.4





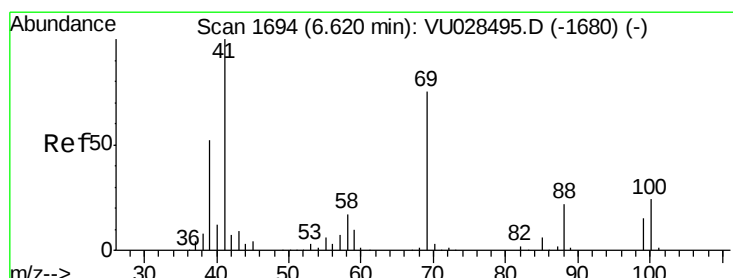
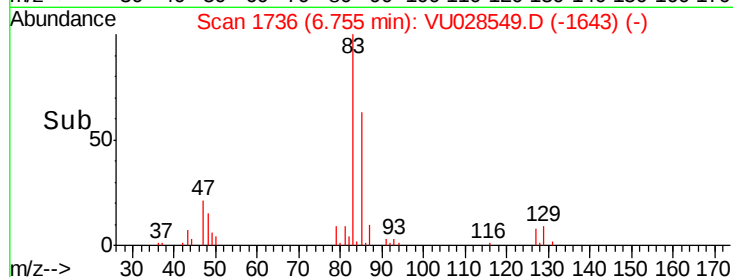
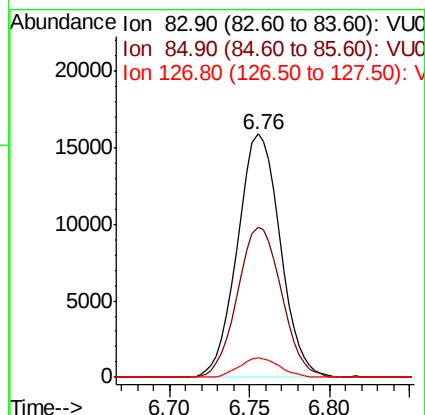
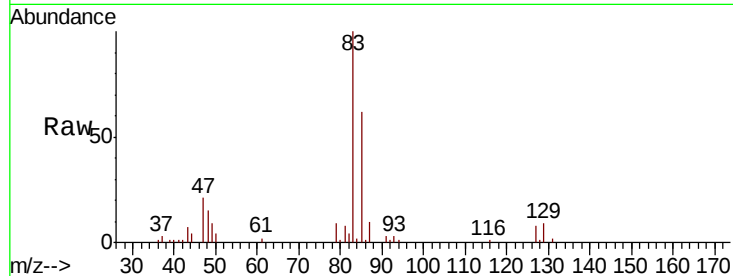
#47
Bromodichloromethane
Concen: 18.999 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VU028549.D
Acq: 10 Dec 2018 14:27

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	61.9	51.5	77.3
127	7.8	6.2	9.4

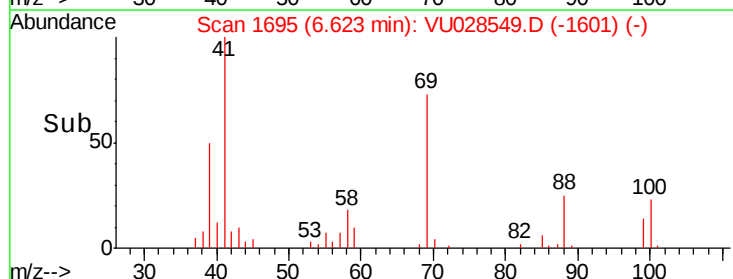
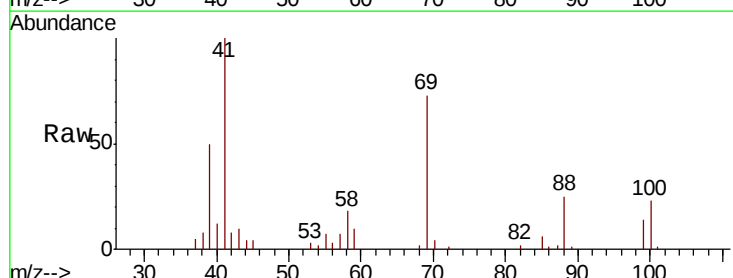
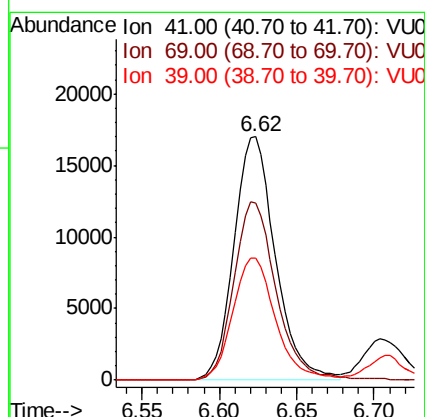
Manual Integrations
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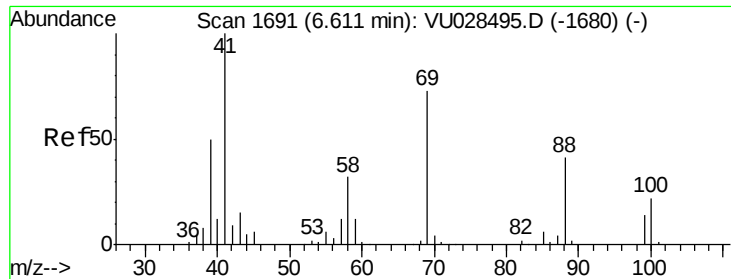
MMDadoda
12/11/2018 12:10:04 PM



#48
Methyl methacrylate
Concen: 19.480 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU028549.D
Acq: 10 Dec 2018 14:27

Tgt Ion	Ratio	Lower	Upper
41	100		
69	74.9	60.4	90.6
39	51.5	41.1	61.7





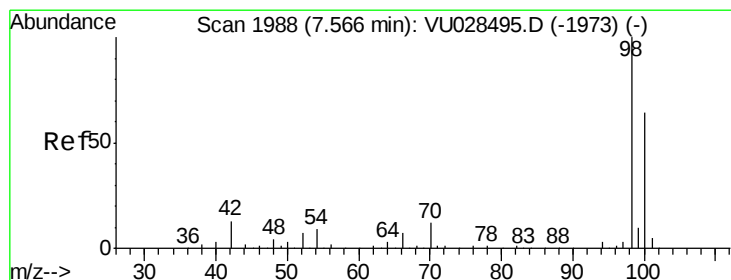
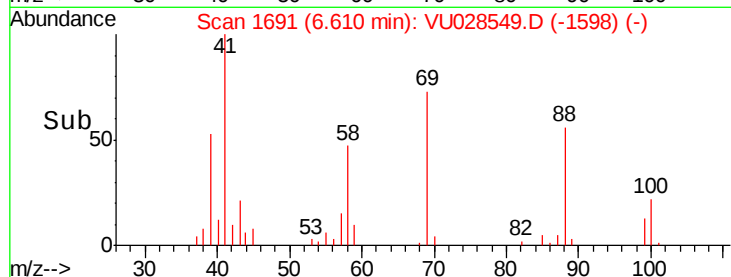
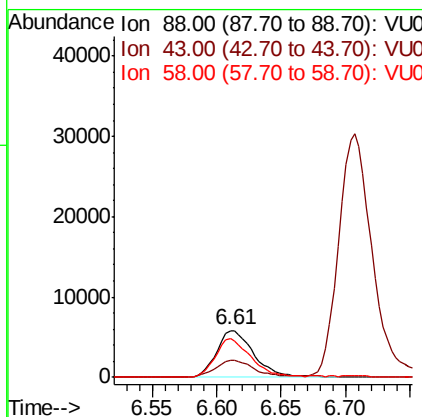
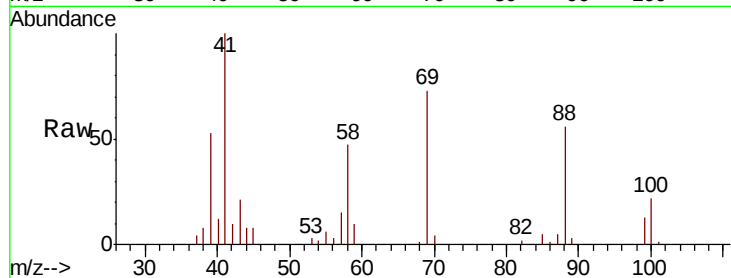
#49
1,4-Dioxane
Concen: 455.404 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU028549.D
Acq: 10 Dec 2018 14:27

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.1	30.9	46.3
58	79.6	62.4	93.6

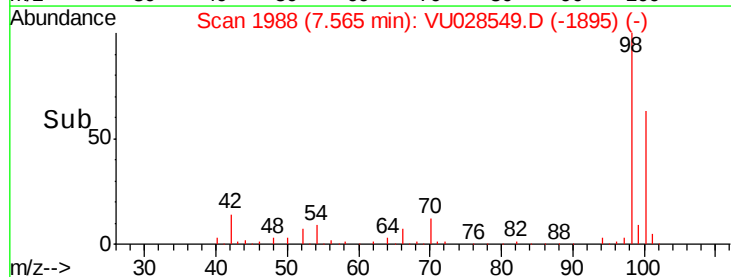
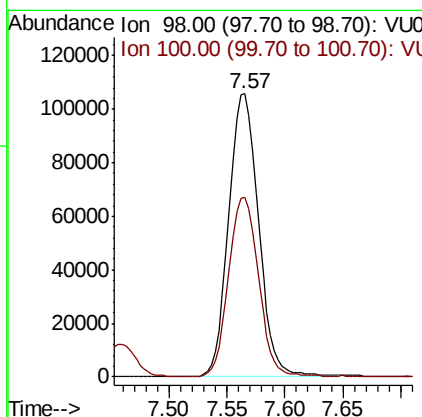
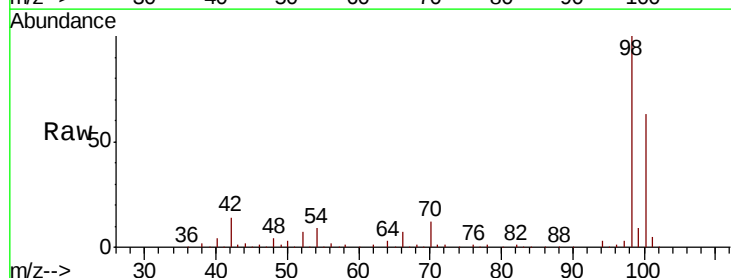
Manual Integrations
APPROVED

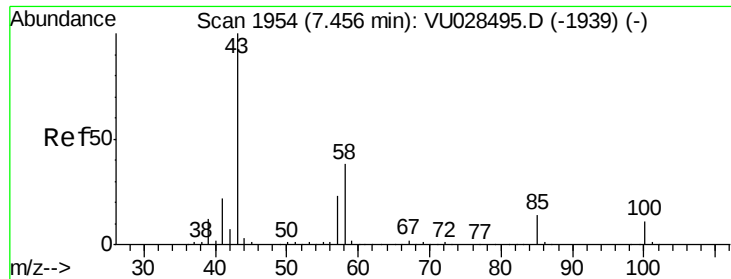
MMDadoda
12/11/2018 12:10:04 PM



#50
Toluene-d8
Concen: 52.000 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028549.D
Acq: 10 Dec 2018 14:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 97.294 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028549.D

Acq: 10 Dec 2018 14:27

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBS01

Tot Ion: 43 Resp: 200587

Ion Ratio Lower Upper

43 100

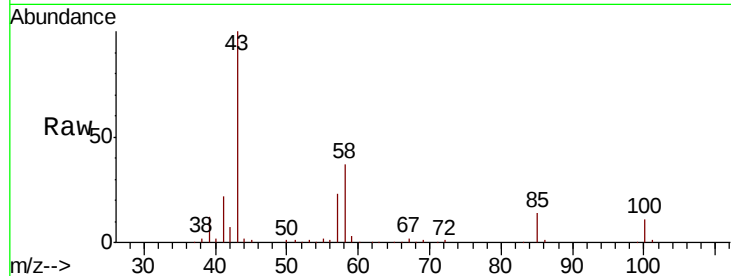
58 37.2 30.2 45.2

Manual Integrations

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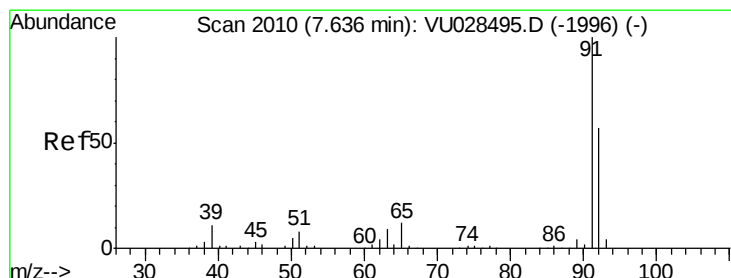
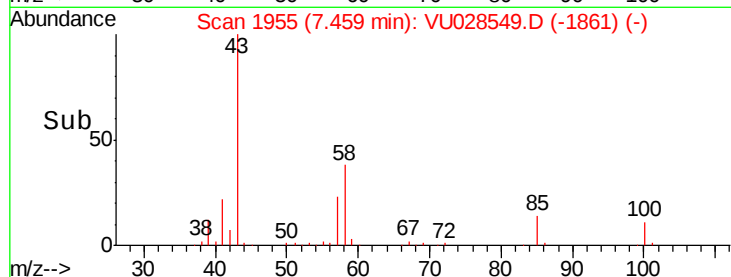
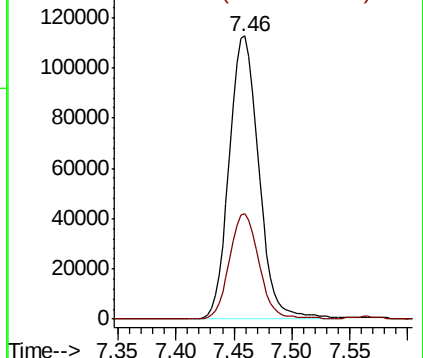
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 18.856 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028549.D

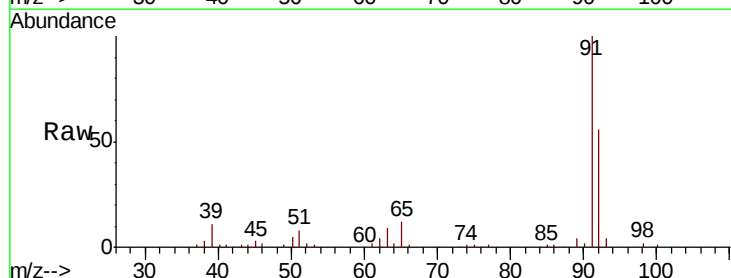
Acq: 10 Dec 2018 14:27

Tgt Ion: 92 Resp: 52251

Ion Ratio Lower Upper

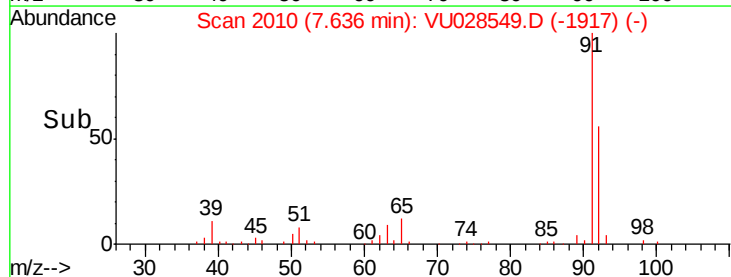
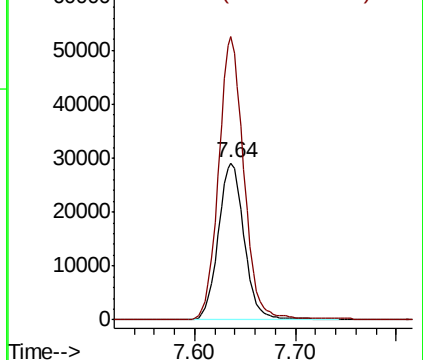
92 100

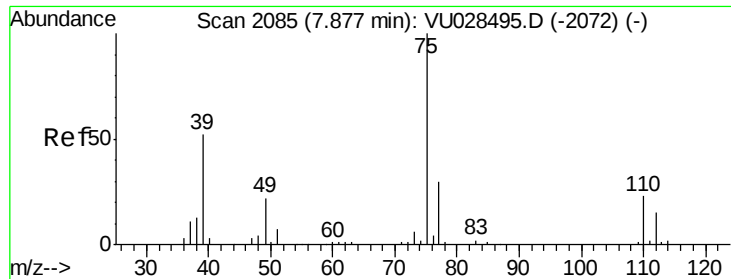
91 174.6 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





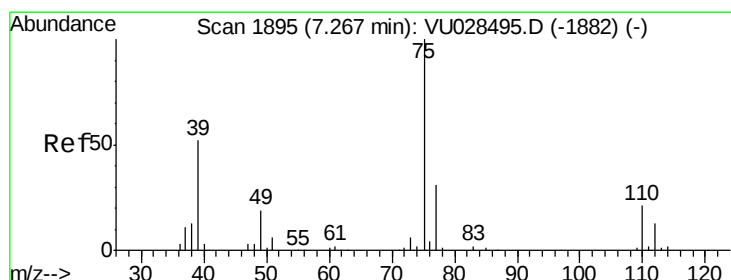
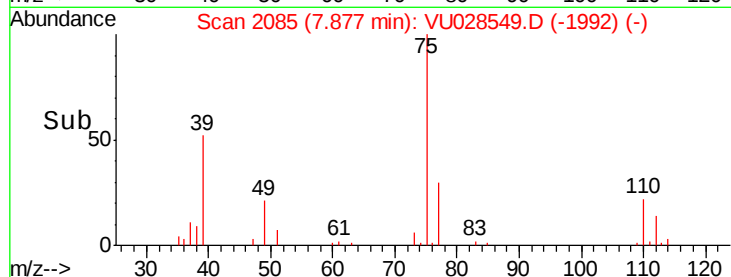
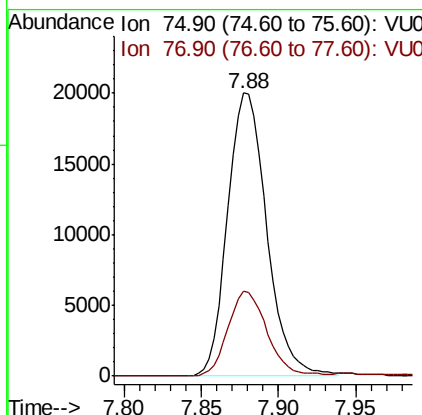
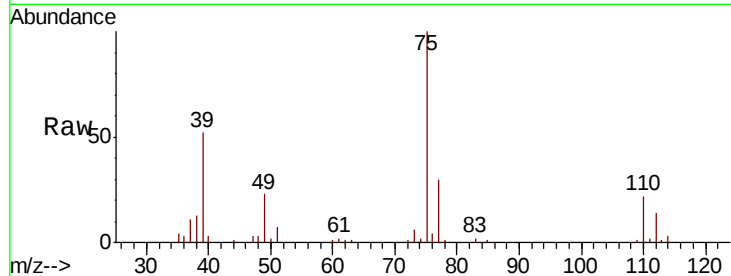
#53
t-1,3-Dichloropropene
Concen: 19.331 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. -0.00 min
Lab File: VU028549.D
Acq: 10 Dec 2018 14:27

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS01

Tot Ion: 75 Resp: 35196
Ion Ratio Lower Upper
75 100
77 30.0 24.2 36.4

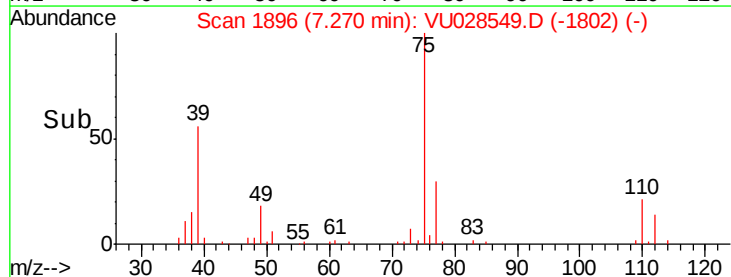
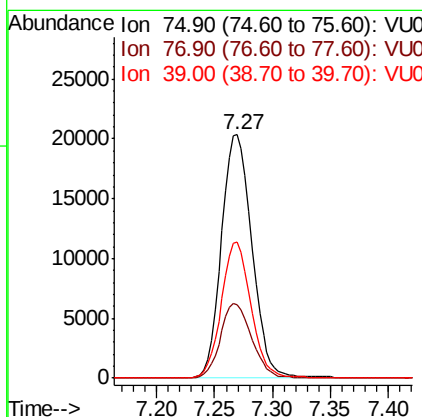
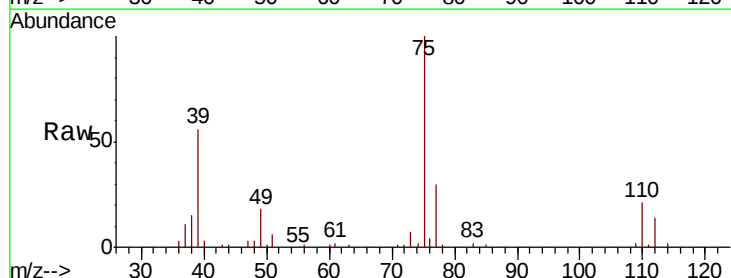
Manual Integrations
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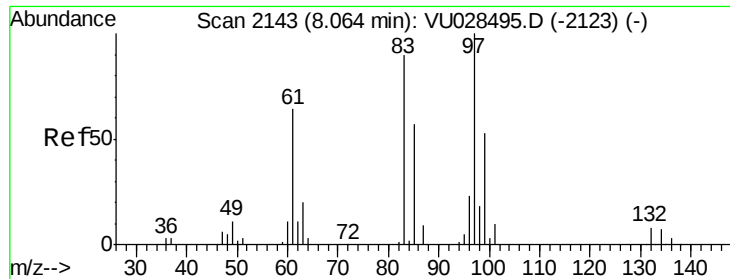
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 18.799 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU028549.D
Acq: 10 Dec 2018 14:27

Tgt Ion: 75 Resp: 37134
Ion Ratio Lower Upper
75 100
77 30.4 25.0 37.4
39 56.0 41.3 61.9





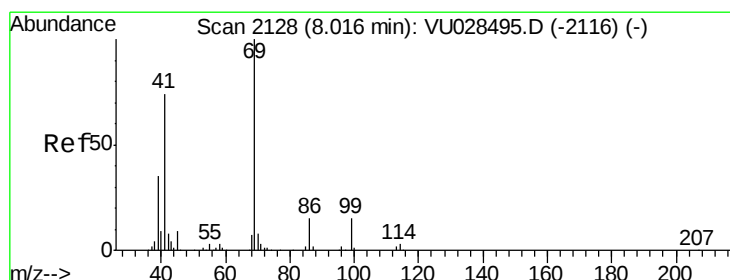
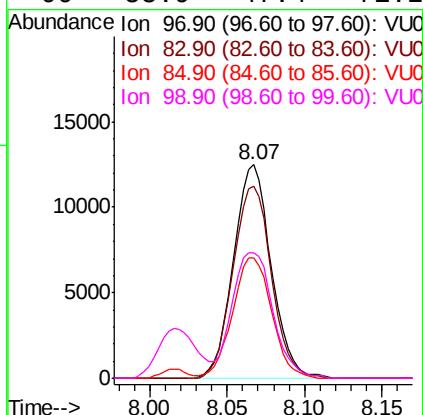
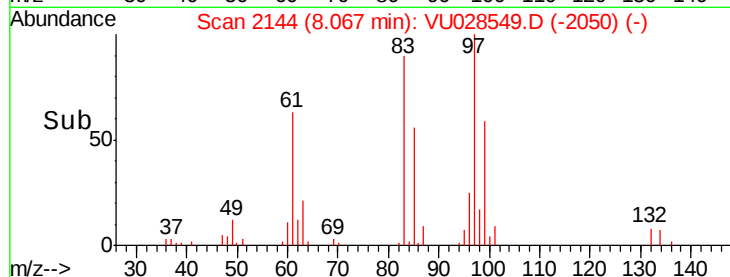
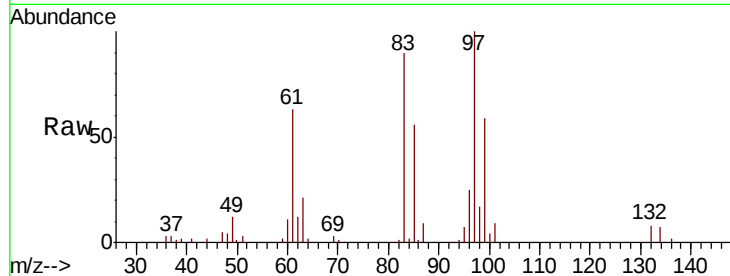
#55
 1,1,2-Trichloroethane
 Concen: 19.290 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028549.D
 Acq: 10 Dec 2018 14:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBS01

Tot Ion:	97	Resp:	21130
Ion	Ratio	Lower	Upper
97	100		
83	89.9	72.4	108.6
85	56.3	46.0	69.0
99	58.9	47.4	71.2

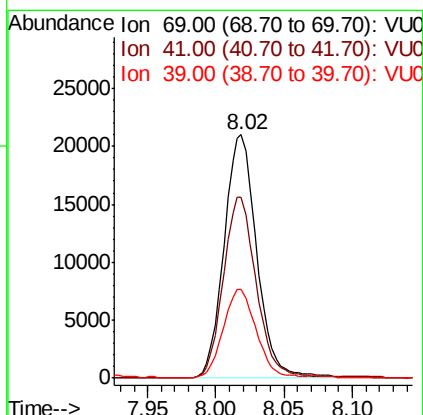
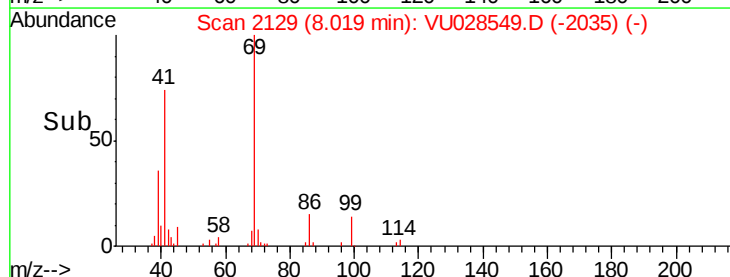
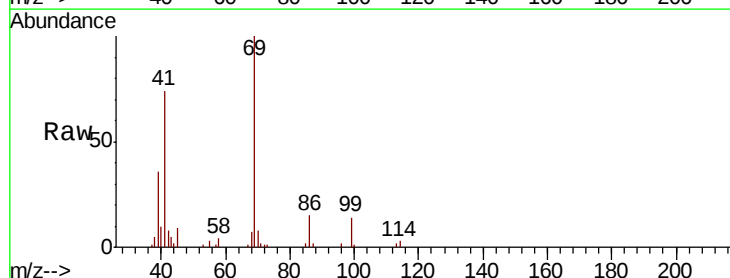
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#56
 Ethyl methacrylate
 Concen: 18.688 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU028549.D
 Acq: 10 Dec 2018 14:27

Tgt Ion:	69	Resp:	35055
Ion	Ratio	Lower	Upper
69	100		
41	75.5	59.1	88.7
39	37.0	28.4	42.6





#57

1,3-Dichloropropane

Concen: 19.173 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU028549.D

Acq: 10 Dec 2018 14:27

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBS01

Tot Ion: 76 Resp: 38986

Ion Ratio Lower Upper

76 100

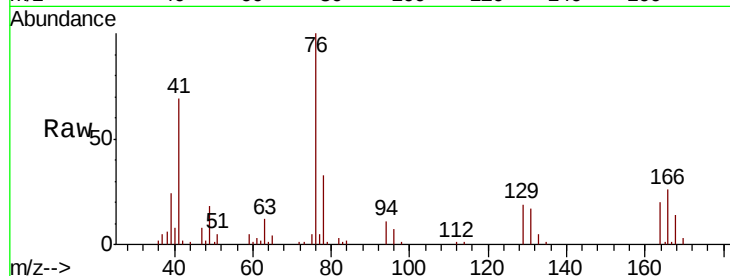
78 30.9 25.2 37.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

8.24

25000

20000

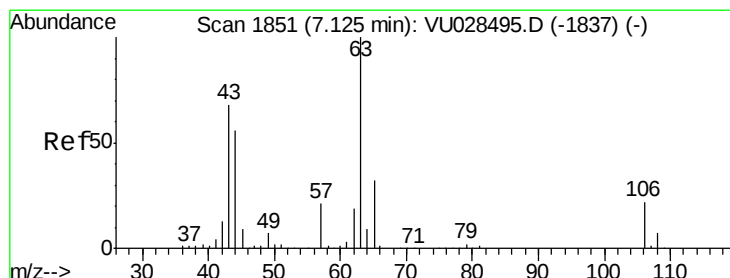
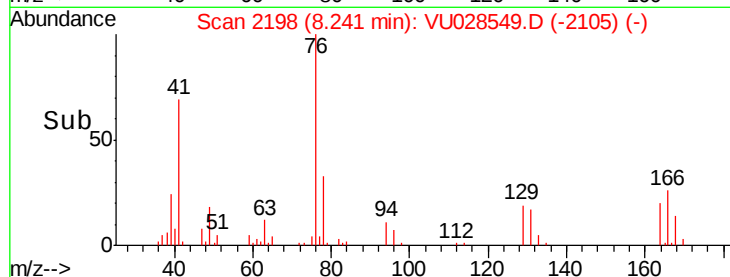
15000

10000

5000

0

Time--> 8.15 8.20 8.25 8.30 8.35



#58

2-Chloroethyl Vinyl ether

Concen: 94.093 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VU028549.D

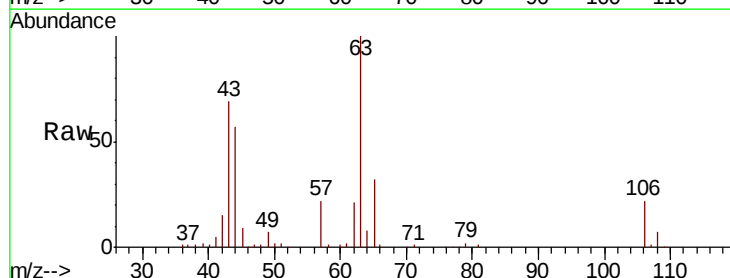
Acq: 10 Dec 2018 14:27

Tgt Ion: 63 Resp: 90402

Ion Ratio Lower Upper

63 100

106 22.0 17.8 26.6



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

7.13

60000

50000

40000

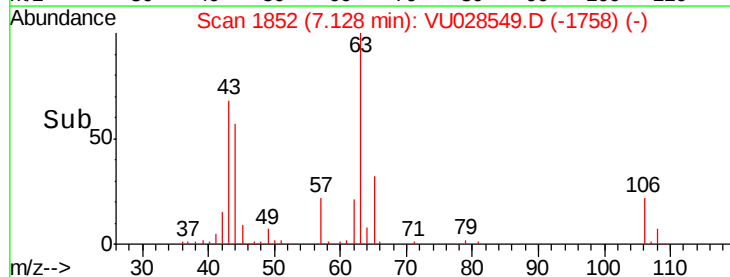
30000

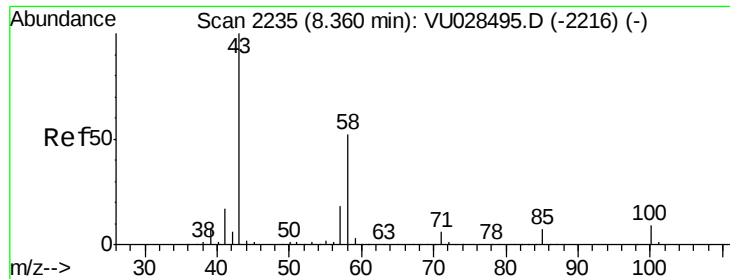
20000

10000

0

Time--> 7.10 7.20





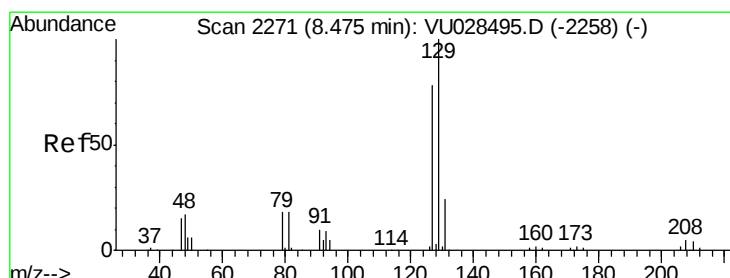
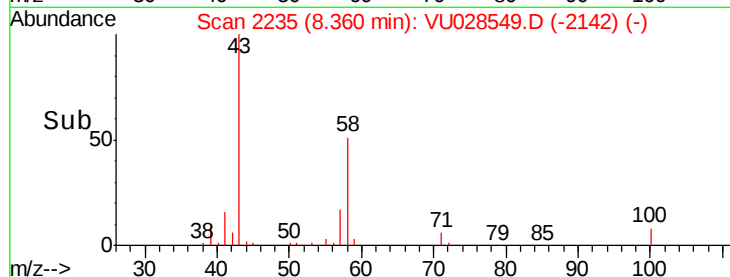
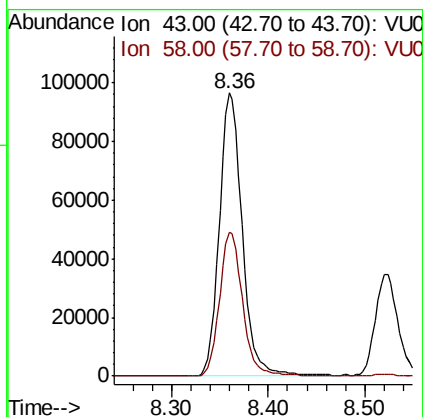
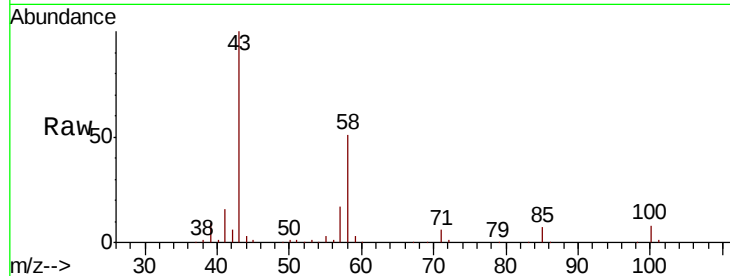
#59
2-Hexanone
Concen: 97.391 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028549.D
Acq: 10 Dec 2018 14:27

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS01

Tot Ion: 43 Resp: 159146
Ion Ratio Lower Upper
43 100
58 51.3 25.9 77.6

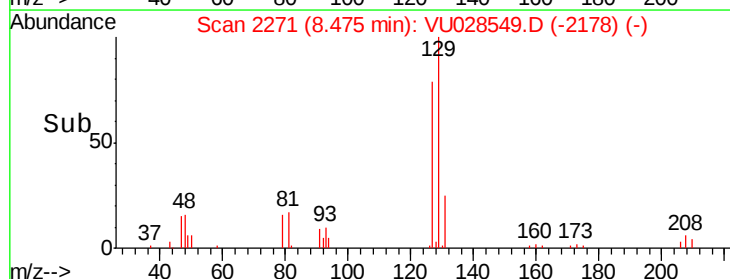
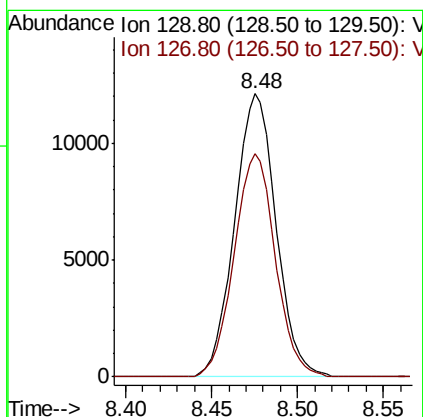
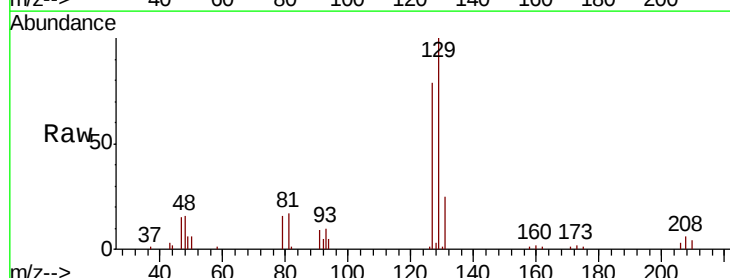
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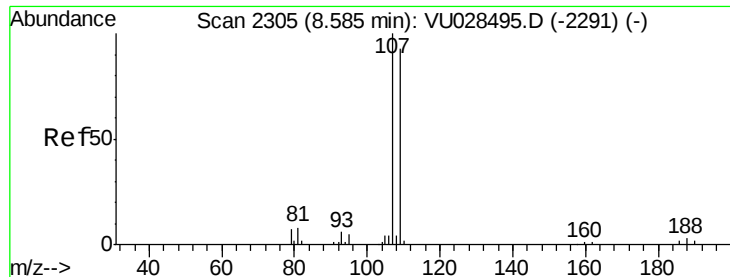
MMDadoda
12/11/2018 12:10:04 PM



#60
Dibromochloromethane
Concen: 18.948 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028549.D
Acq: 10 Dec 2018 14:27

Tgt Ion: 129 Resp: 20321
Ion Ratio Lower Upper
129 100
127 78.4 39.1 117.3





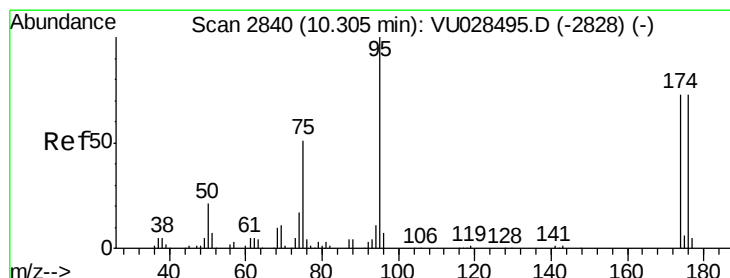
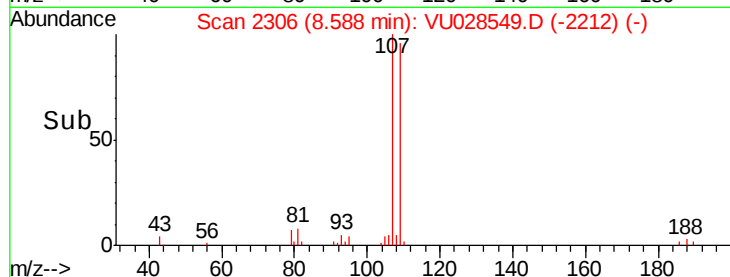
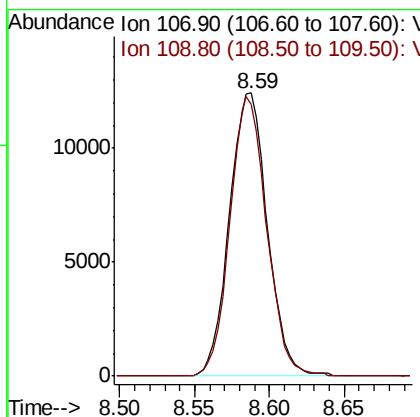
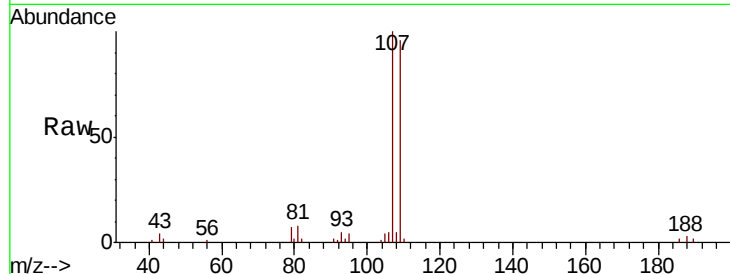
#61
 1,2-Dibromoethane
 Concen: 19.097 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU028549.D
 Acq: 10 Dec 2018 14:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBS01

Tot Ion	Ratio	Resp	Lower	Upper
107	100	21936		
109	95.3	74.5	111.7	

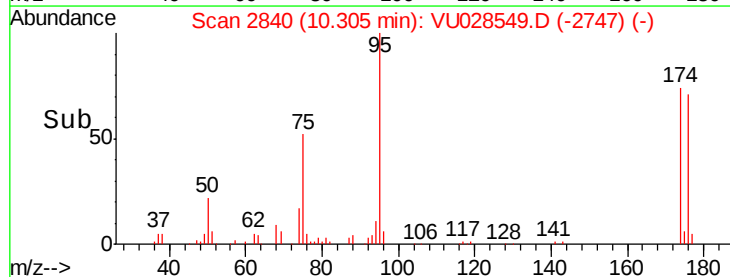
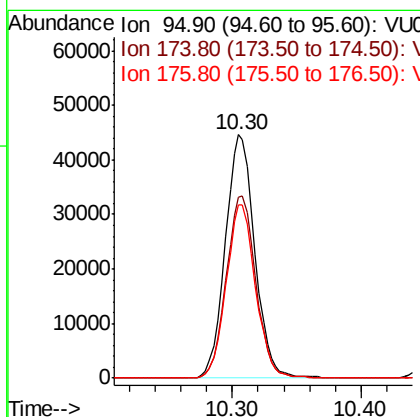
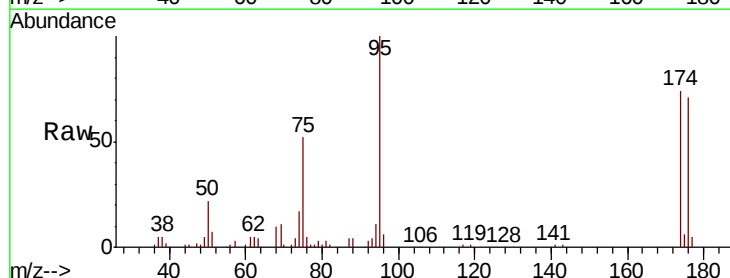
Manual Integrations
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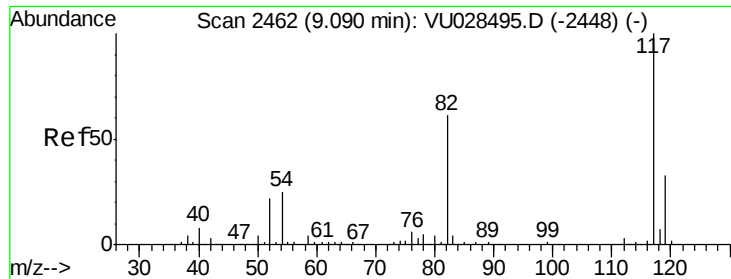
MMDadoda
 12/11/2018 12:10:04 PM



#62
 4-Bromofluorobenzene
 Concen: 51.828 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.00 min
 Lab File: VU028549.D
 Acq: 10 Dec 2018 14:27

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	70452		
174	75.1	0.0	150.4	
176	71.0	0.0	145.2	





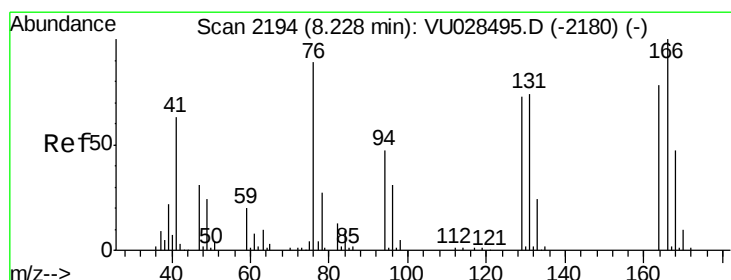
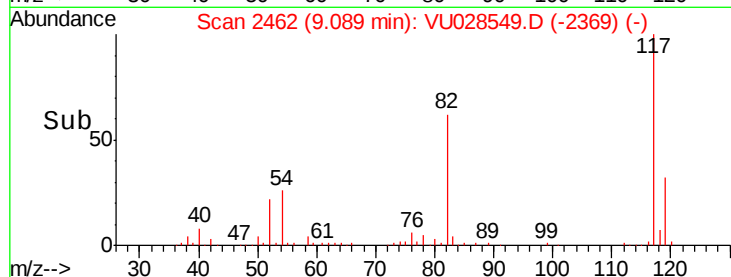
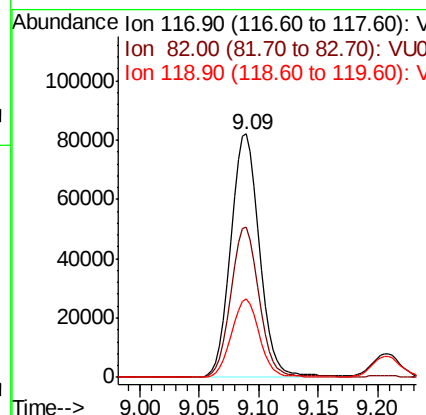
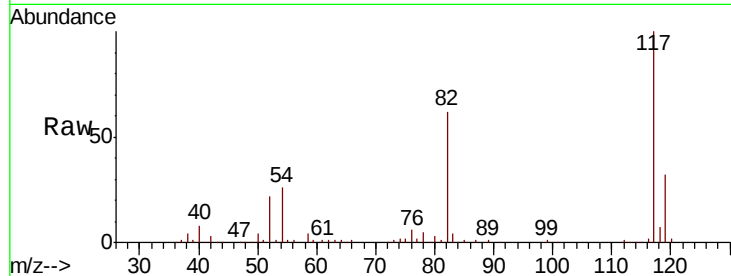
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028549.D
Acq: 10 Dec 2018 14:27

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.7	48.9	73.3
119	32.1	26.2	39.4

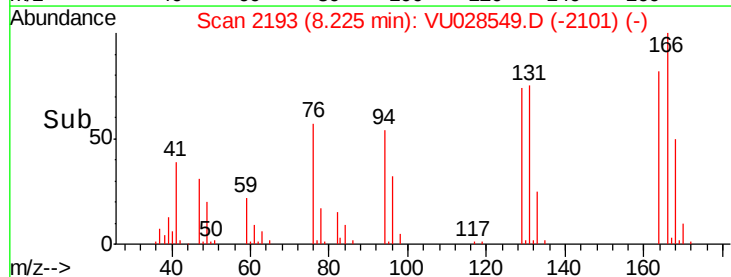
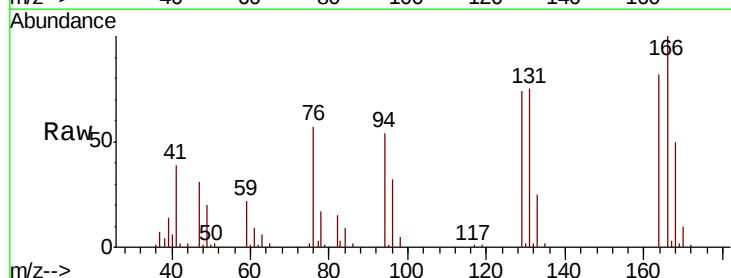
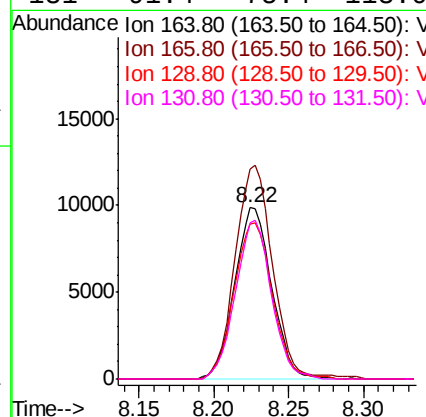
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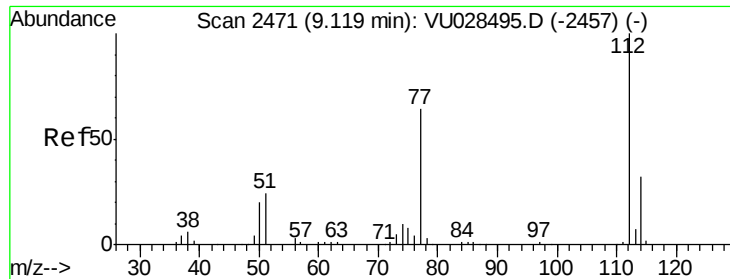
MMDadoda
12/11/2018 12:10:04 PM



#64
Tetrachloroethene
Concen: 18.557 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028549.D
Acq: 10 Dec 2018 14:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.5	101.9	152.9
129	90.5	74.9	112.3
131	91.4	75.4	113.0





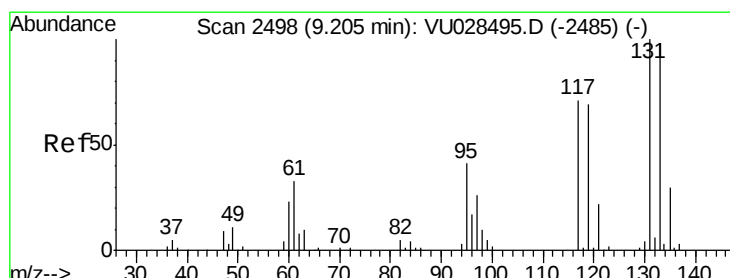
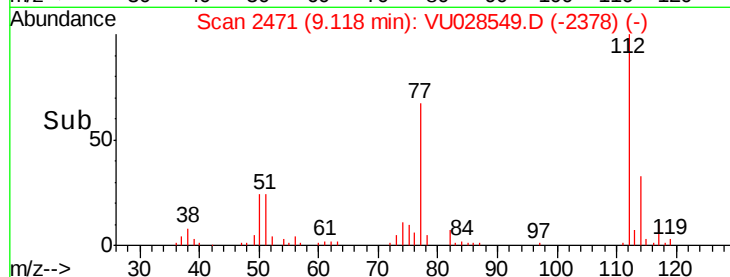
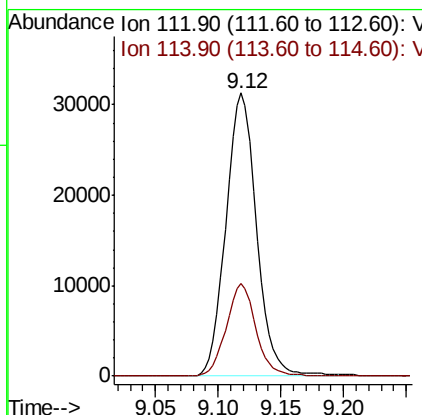
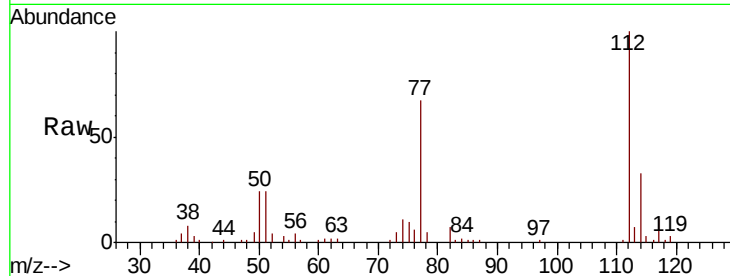
#65
Chlorobenzene
Concen: 18.074 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028549.D
Acq: 10 Dec 2018 14:27

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS01

Tot Ion:112 Resp: 53097
Ion Ratio Lower Upper
112 100
114 32.6 25.3 37.9

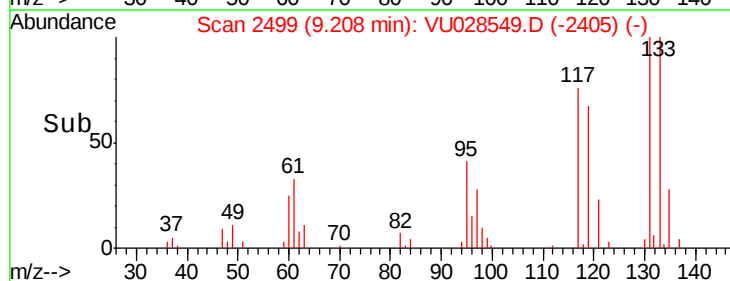
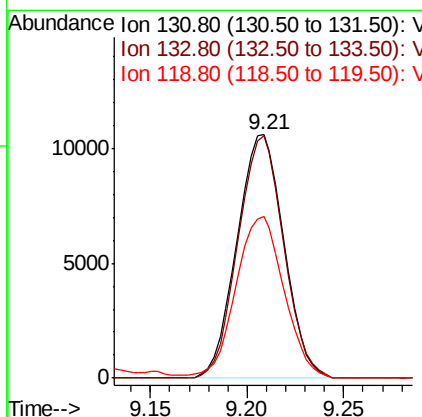
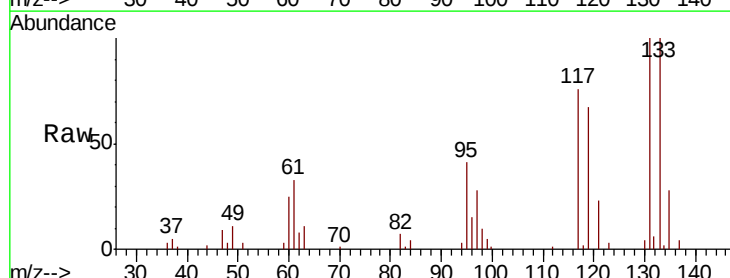
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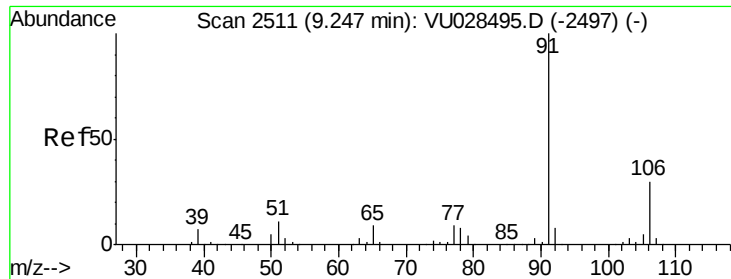
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.075 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028549.D
Acq: 10 Dec 2018 14:27

Tgt Ion:131 Resp: 17895
Ion Ratio Lower Upper
131 100
133 96.9 48.0 144.0
119 68.2 34.6 103.9





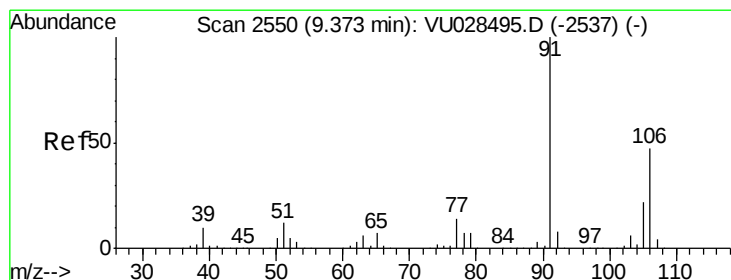
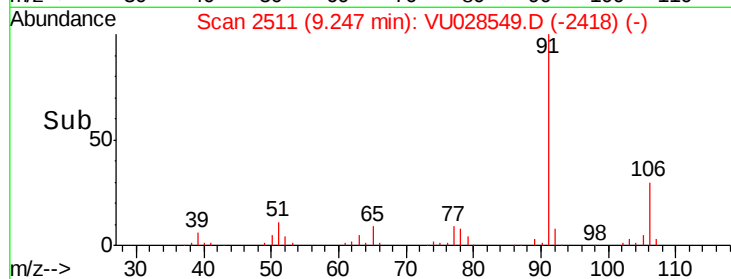
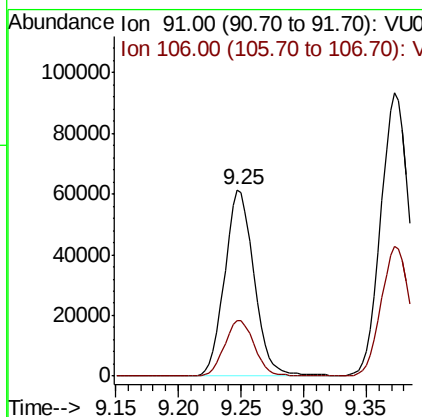
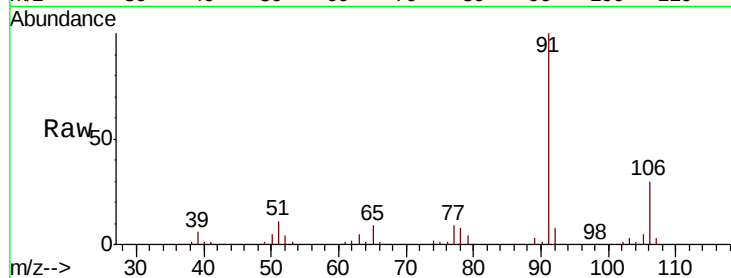
#67
Ethyl Benzene
Concen: 18.519 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028549.D
Acq: 10 Dec 2018 14:27

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS01

Tot Ion: 91 Resp: 100016
Ion Ratio Lower Upper
91 100
106 30.1 24.1 36.1

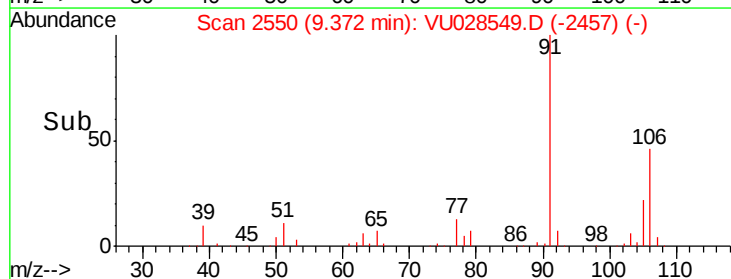
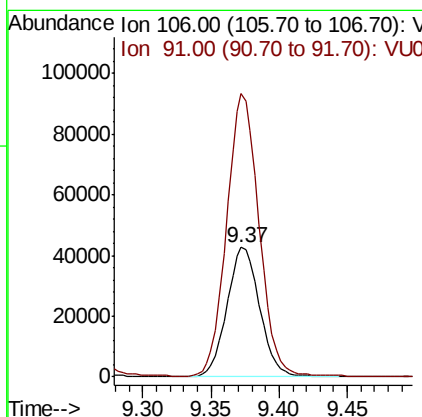
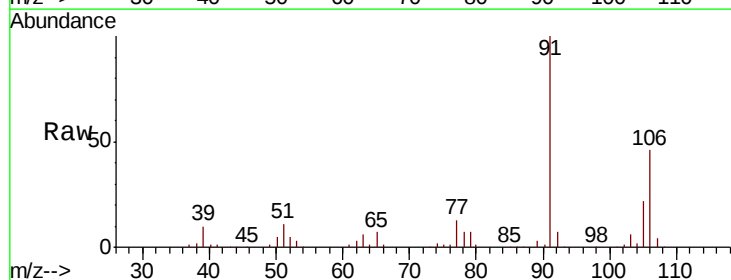
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#68
m/p-Xylenes
Concen: 36.386 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028549.D
Acq: 10 Dec 2018 14:27

Tgt Ion: 106 Resp: 71504
Ion Ratio Lower Upper
106 100
91 216.4 167.4 251.0





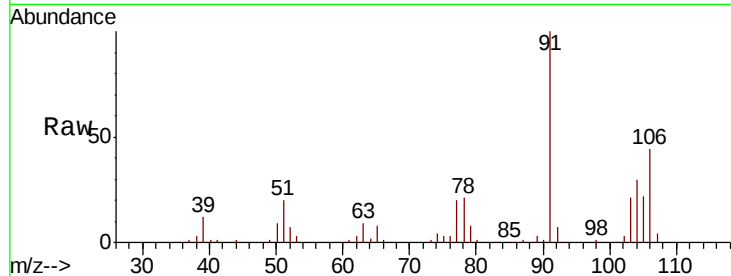
#69
o-Xylene
Concen: 18.277 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028549.D
Acq: 10 Dec 2018 14:27

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS01

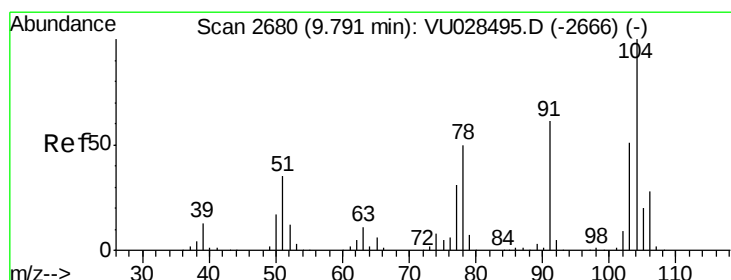
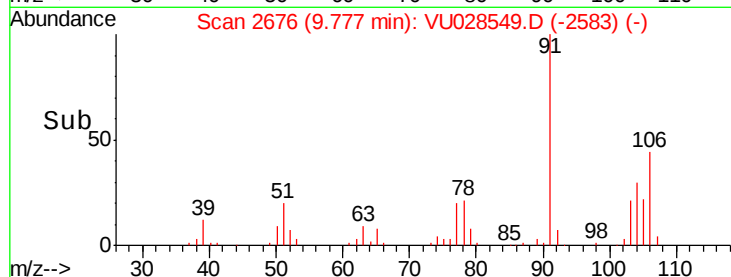
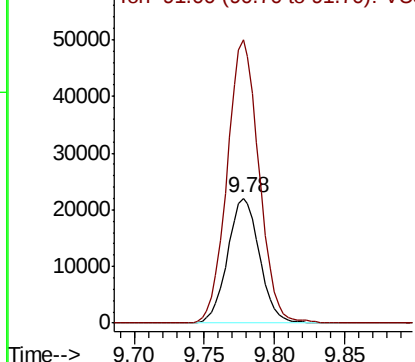
Tot Ion:106 Resp: 34904
Ion Ratio Lower Upper
106 100
91 226.5 111.3 334.0

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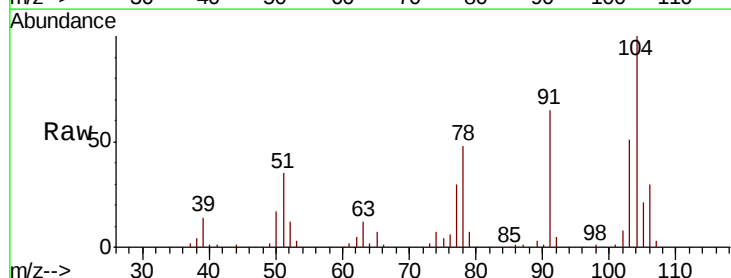


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

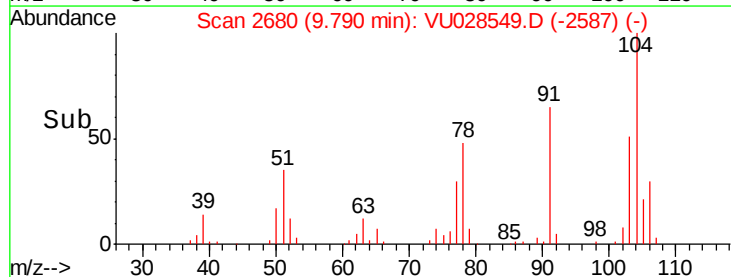
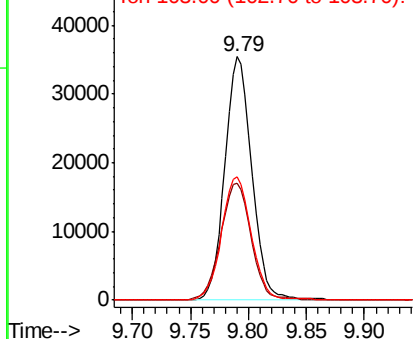


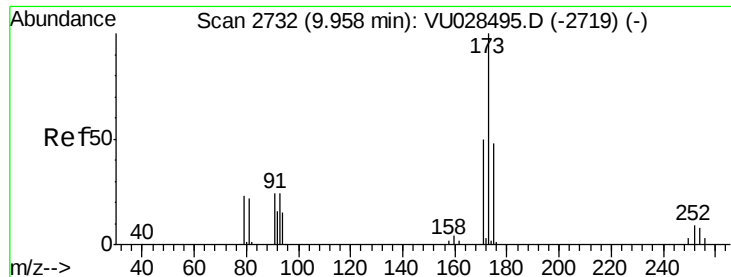
#70
Styrene
Concen: 18.015 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028549.D
Acq: 10 Dec 2018 14:27

Tgt Ion:104 Resp: 56934
Ion Ratio Lower Upper
104 100
78 54.4 43.0 64.6
103 55.8 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 18.841 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028549.D

Acq: 10 Dec 2018 14:27

Instrument :

MSVOA_U

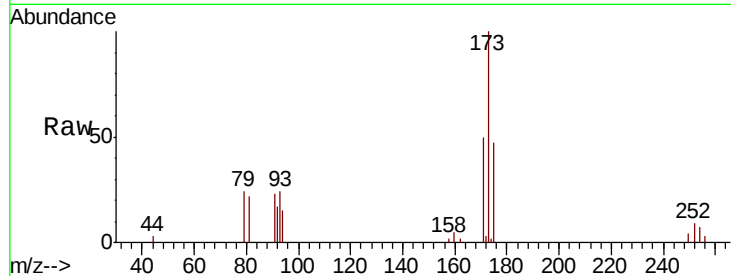
ClientSampleId :

VU1211WBS01

Tot Ion:	173	Resp:	15036
Ion	Ratio	Lower	Upper
173	100		
175	47.7	23.9	71.8
254	0.0	0.0	0.0

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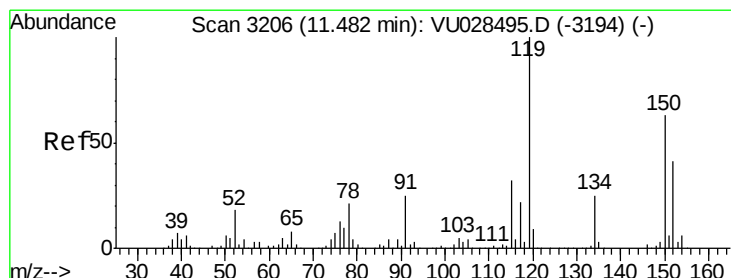
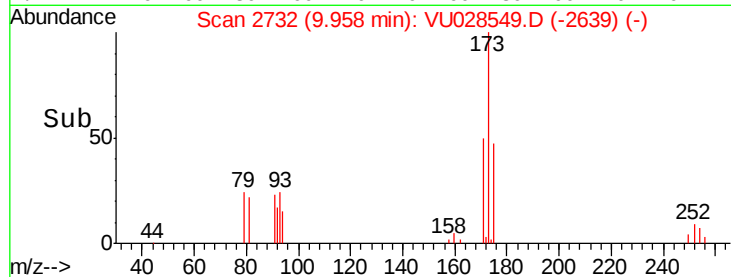
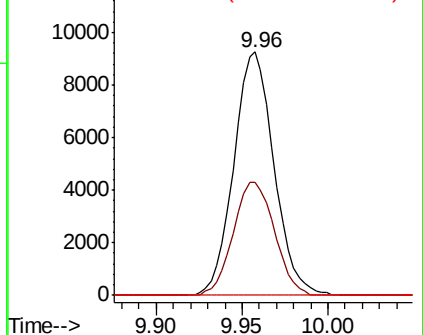


Abundance

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

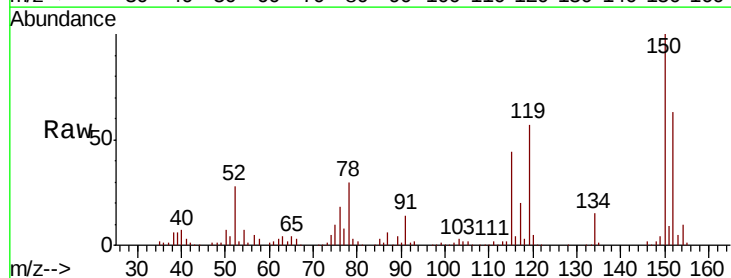
RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028549.D

Acq: 10 Dec 2018 14:27

Tgt Ion:	152	Resp:	67316
Ion	Ratio	Lower	Upper
152	100		
115	71.2	42.7	128.1
150	166.7	0.0	346.0

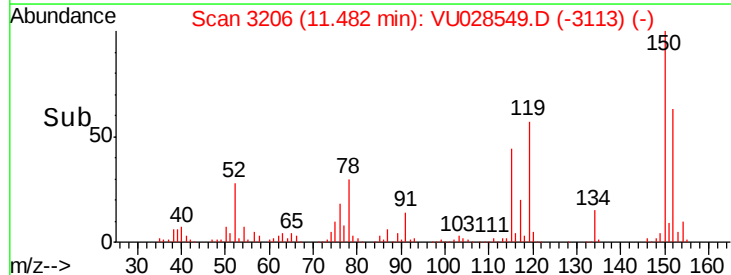
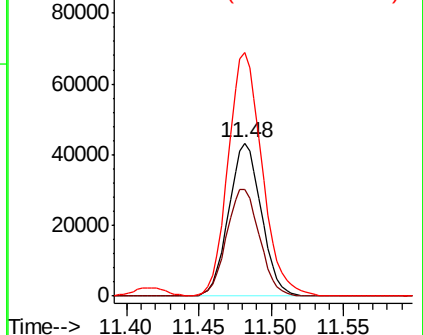


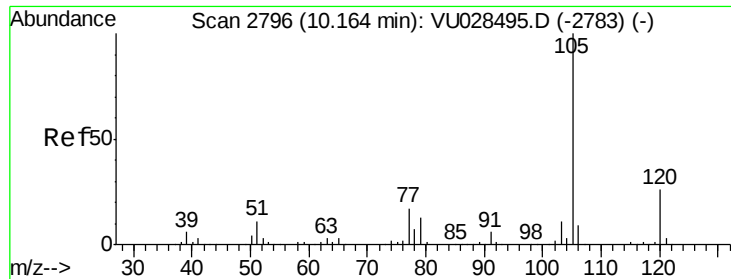
Abundance

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: 17.920 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028549.D

Acq: 10 Dec 2018 14:27

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBS01

Tot Ion: 105 Resp: 92562

Ion Ratio Lower Upper

105 100

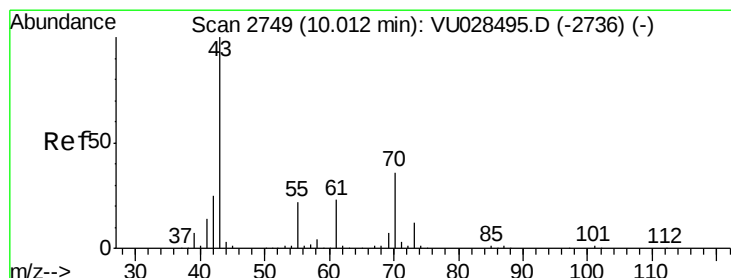
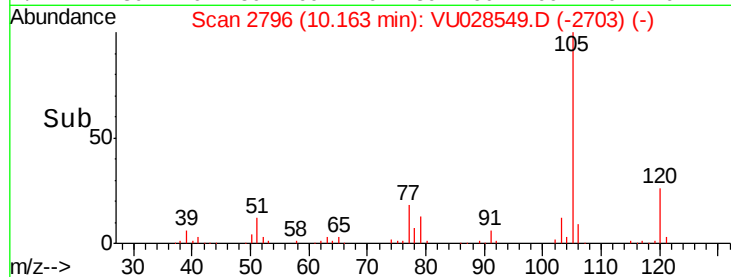
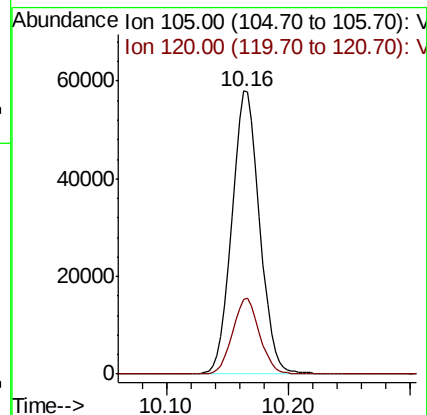
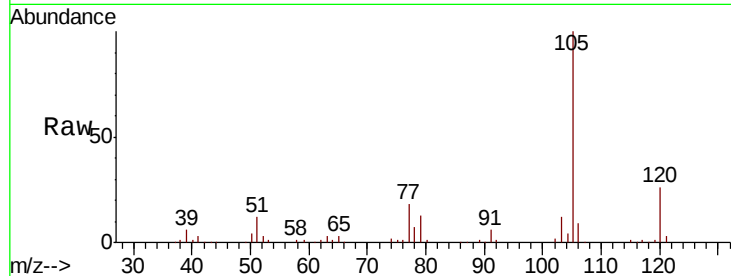
120 26.0 12.9 38.6

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#74

N-ethyl acetate

Concen: 18.078 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028549.D

Acq: 10 Dec 2018 14:27

Tgt Ion: 43 Resp: 53863

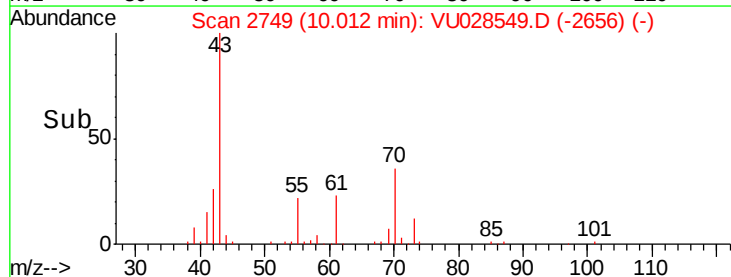
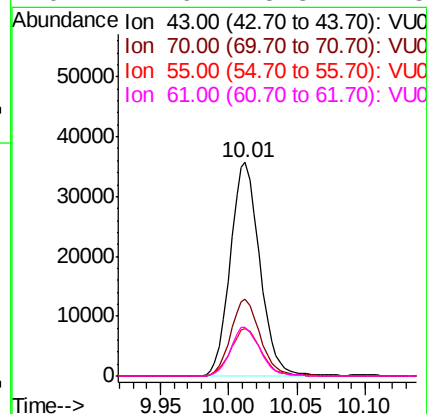
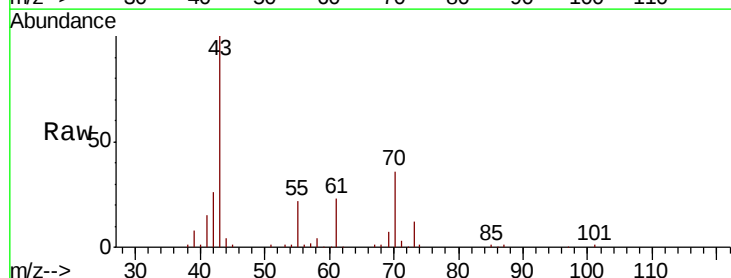
Ion Ratio Lower Upper

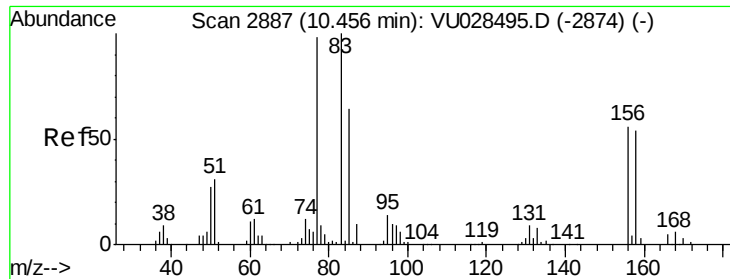
43 100

70 35.7 29.3 43.9

55 23.1 18.0 27.0

61 22.6 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 18.666 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028549.D

Acq: 10 Dec 2018 14:27

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBS01

Tot Ion: 83 Resp: 37038

Ion Ratio Lower Upper

83 100

131 7.8 4.2 12.4

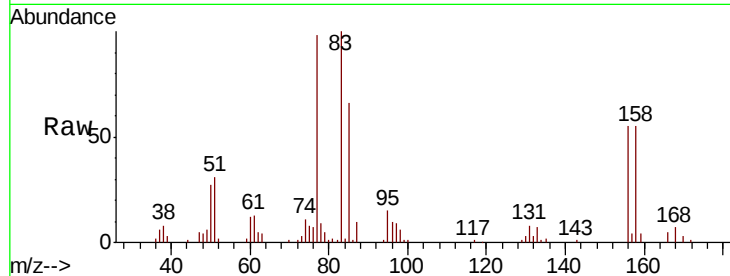
85 65.1 31.8 95.4

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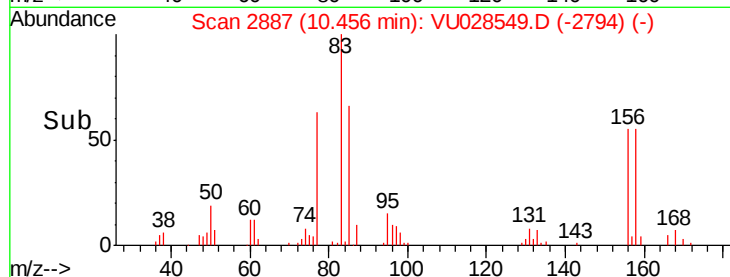


Abundance Ion 82.90 (82.60 to 83.60): VU028495.D (-2874) (-)

Ion 130.80 (130.50 to 131.50): VU028495.D (-2874) (-)

Ion 84.90 (84.60 to 85.60): VU028495.D (-2874) (-)

Time-->

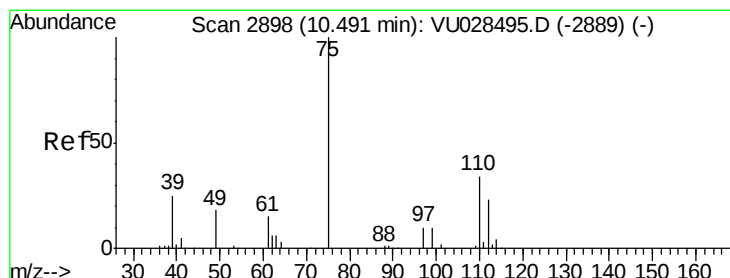


Abundance Ion 82.90 (82.60 to 83.60): VU028549.D (-2794) (-)

Ion 130.80 (130.50 to 131.50): VU028549.D (-2794) (-)

Ion 84.90 (84.60 to 85.60): VU028549.D (-2794) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 17.947 ug/l m

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VU028549.D

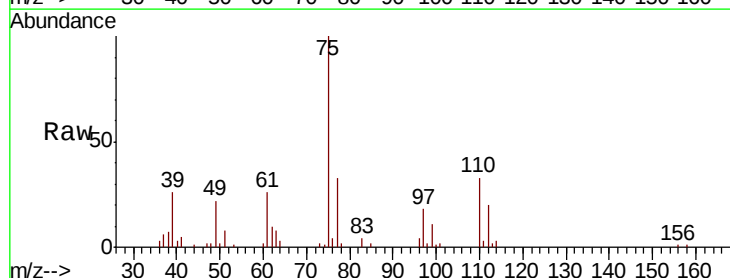
Acq: 10 Dec 2018 14:27

Tgt Ion: 75 Resp: 30849

Ion Ratio Lower Upper

75 100

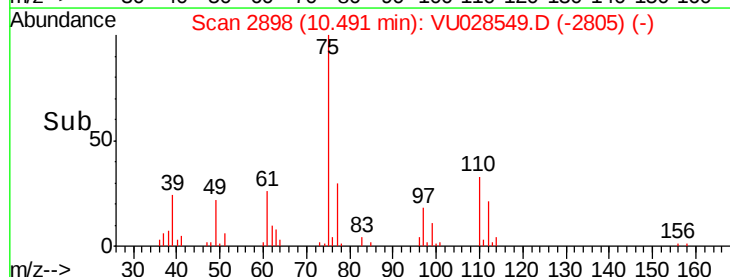
77 45.5 20.8 62.4



Abundance Ion 74.90 (74.60 to 75.60): VU028495.D (-2889) (-)

Ion 77.00 (76.70 to 77.70): VU028495.D (-2889) (-)

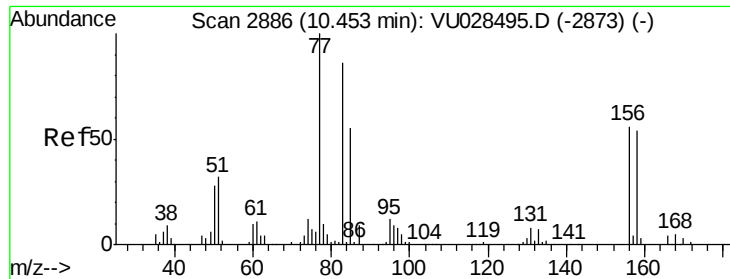
Time-->



Abundance Ion 74.90 (74.60 to 75.60): VU028549.D (-2805) (-)

Ion 77.00 (76.70 to 77.70): VU028549.D (-2805) (-)

Time-->



#77

Bromobenzene

Concen: 18.334 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU028549.D

Acq: 10 Dec 2018 14:27

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBS01

Tot Ion:156 Resp: 22148

Ion Ratio Lower Upper

156 100

77 181.5 92.4 277.2

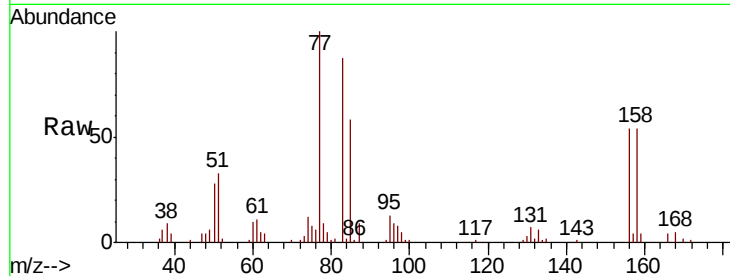
158 99.6 48.4 145.3

Manual Integrations

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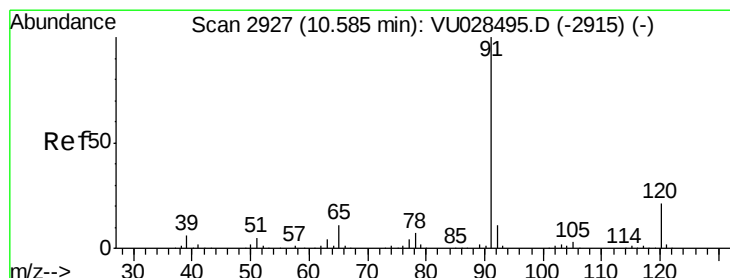
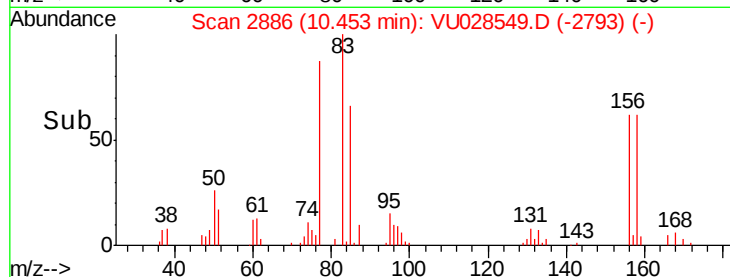
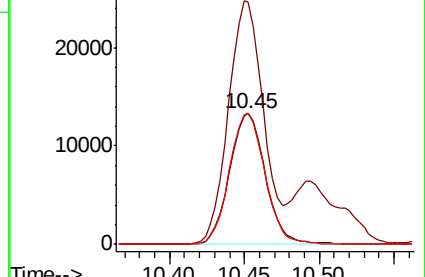
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.267 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028549.D

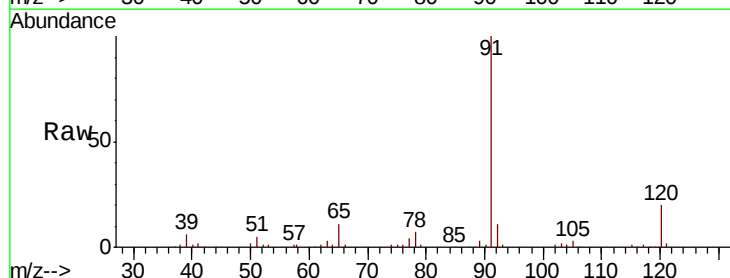
Acq: 10 Dec 2018 14:27

Tgt Ion: 91 Resp: 117245

Ion Ratio Lower Upper

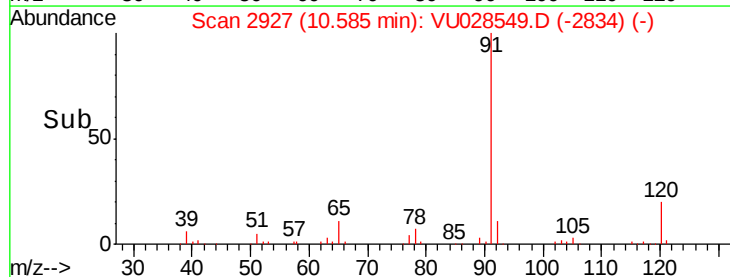
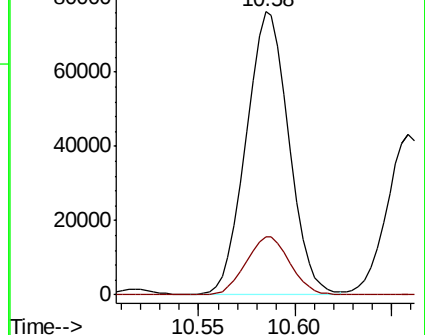
91 100

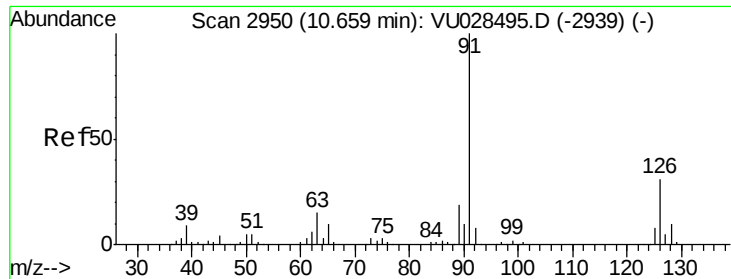
120 21.1 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.421 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU028549.D

Acq: 10 Dec 2018 14:27

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBS01

Tot Ion: 91 Resp: 68106

Ion Ratio Lower Upper

91 100

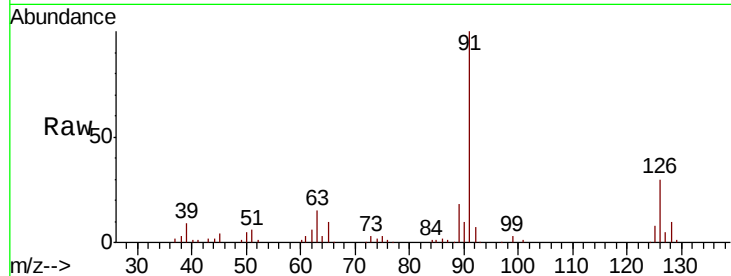
126 31.2 15.6 46.8

Manual Integrations

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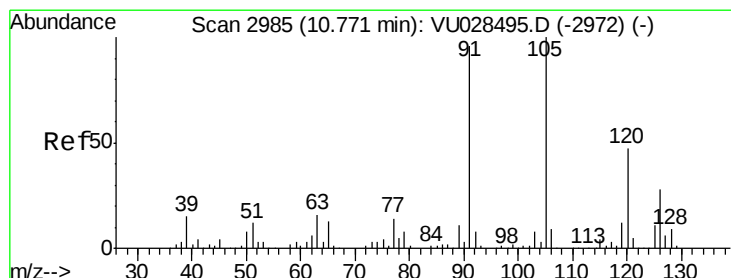
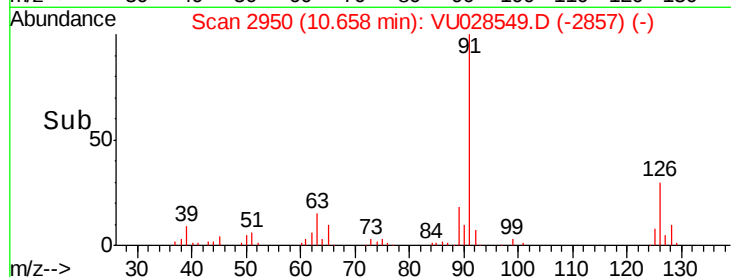
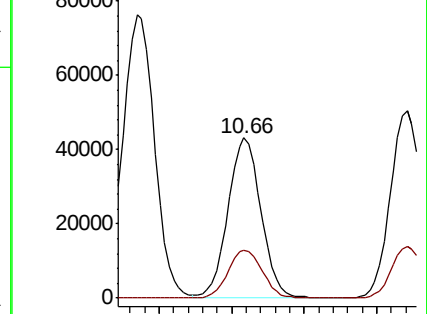
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Abundance Ion 91.00 (90.70 to 91.70): VU028495.D (-2939) (-)

Ion 125.90 (125.60 to 126.60): VU028495.D (-2939) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.428 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028549.D

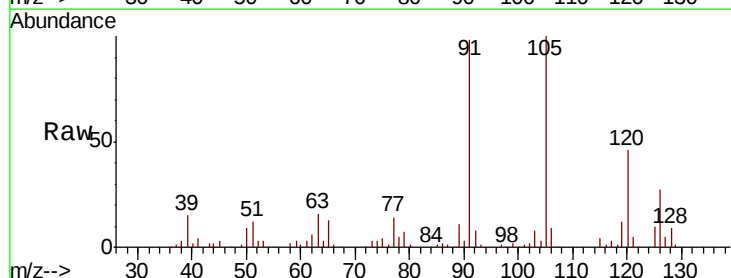
Acq: 10 Dec 2018 14:27

Tgt Ion: 105 Resp: 78793

Ion Ratio Lower Upper

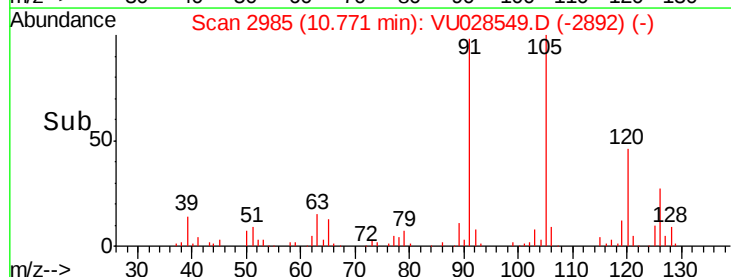
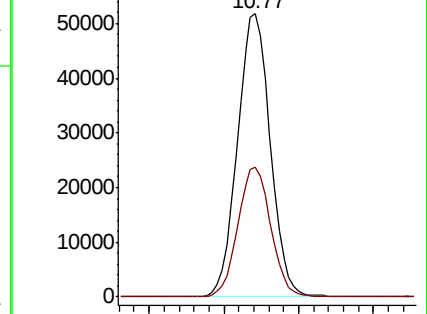
105 100

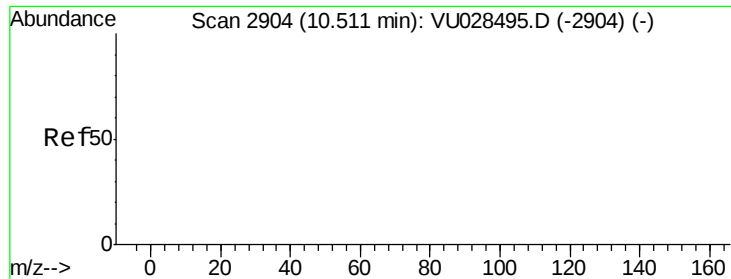
120 46.0 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VU028495.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU028495.D (-2972) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.299 ug/l

RT: 10.51 min Scan# 2903

Delta R.T. -0.00 min

Lab File: VU028549.D

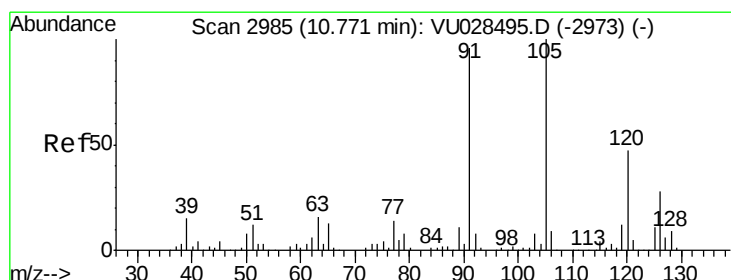
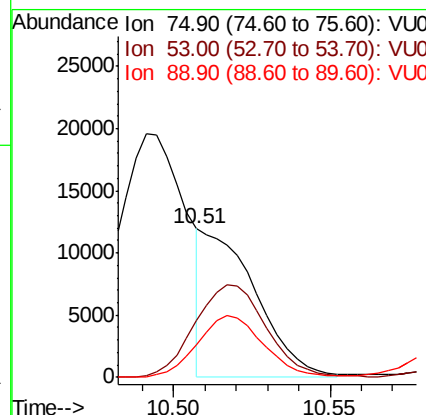
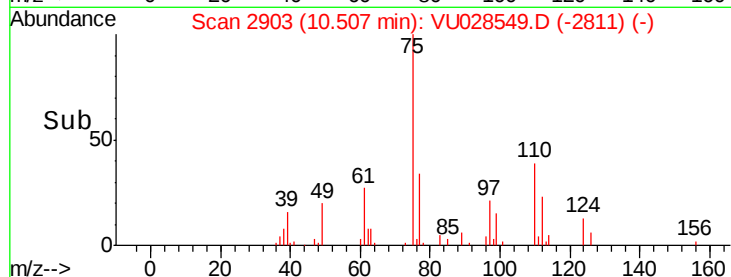
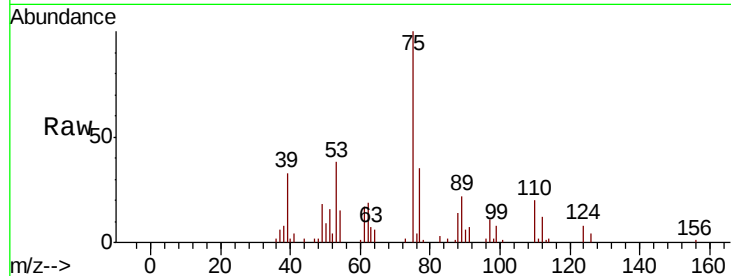
Acq: 10 Dec 2018 14:27

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS01

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

Manual Integrations
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#82

4-Chlorotoluene

Concen: 17.731 ug/l

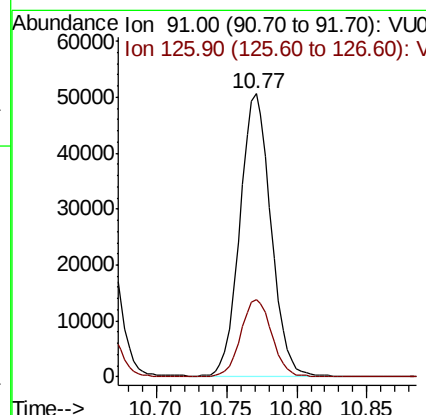
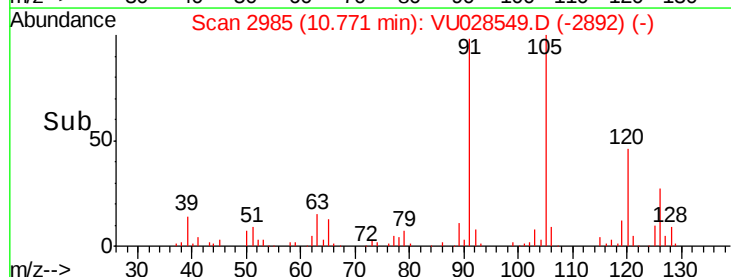
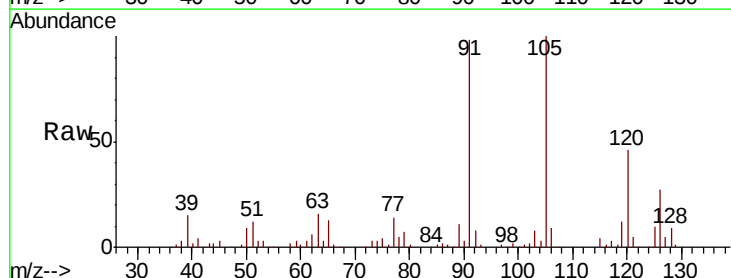
RT: 10.77 min Scan# 2985

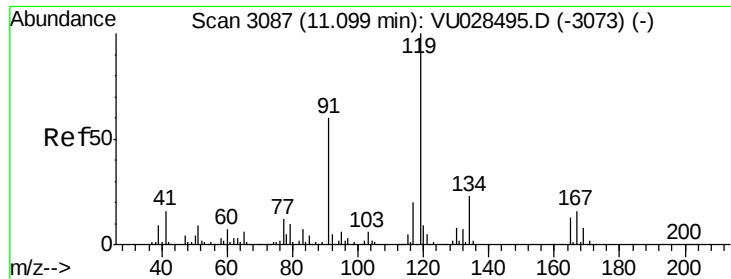
Delta R.T. -0.00 min

Lab File: VU028549.D

Acq: 10 Dec 2018 14:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.6	14.1	42.3





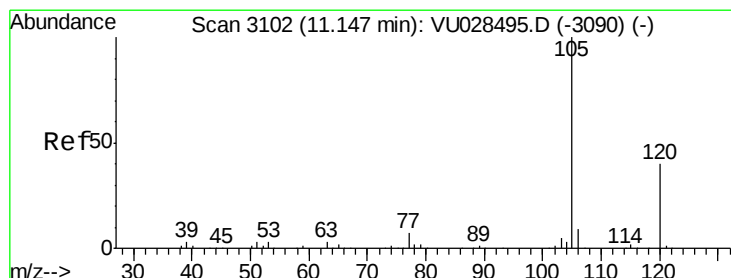
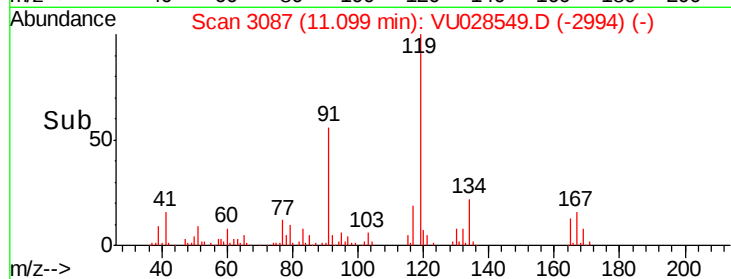
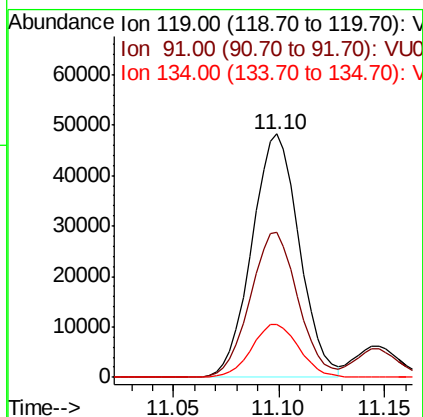
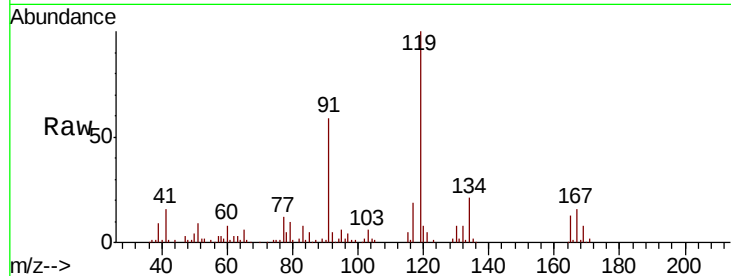
#83
tert-Butylbenzene
Concen: 18.264 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028549.D
Acq: 10 Dec 2018 14:27

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.1	30.3	91.0
134	21.7	11.2	33.5

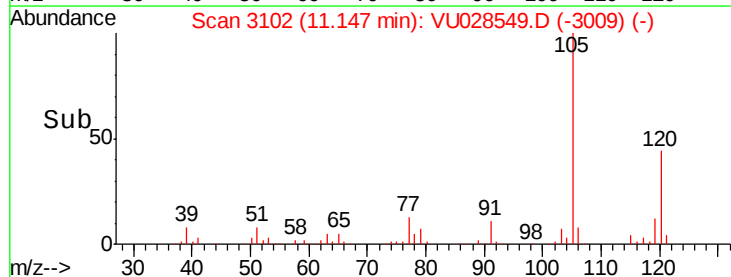
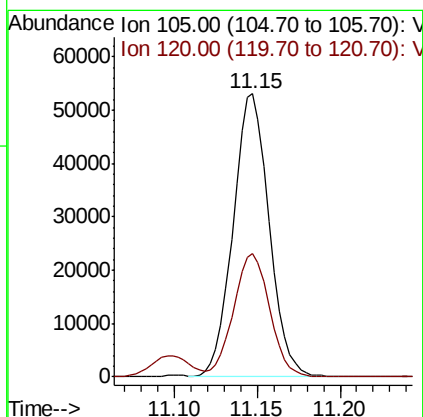
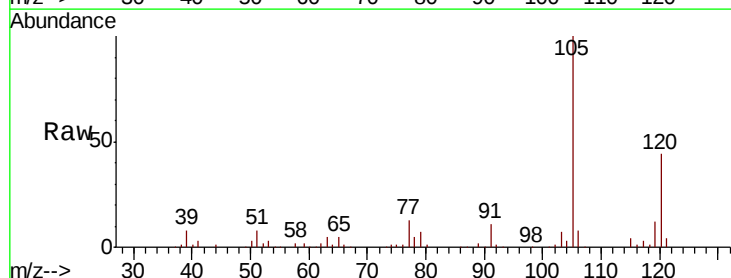
Manual Integrations
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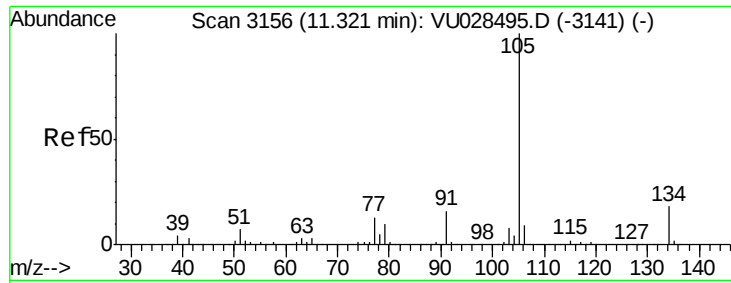
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#84
1,2,4-Trimethylbenzene
Concen: 18.167 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028549.D
Acq: 10 Dec 2018 14:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.8	21.8	65.4





#85

sec-Butylbenzene

Concen: 18.508 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VU028549.D

Acq: 10 Dec 2018 14:27

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBS01

Tot Ion:105 Resp: 97988

Ion Ratio Lower Upper

105 100

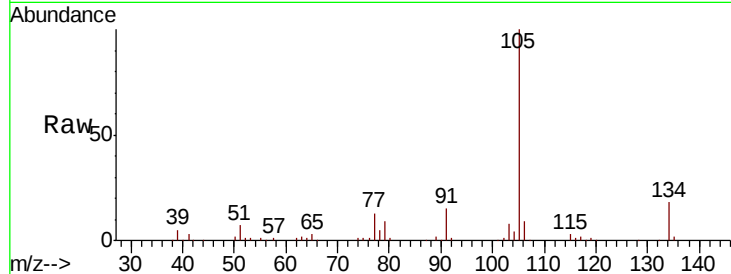
134 17.8 9.2 27.6

Manual Integrations

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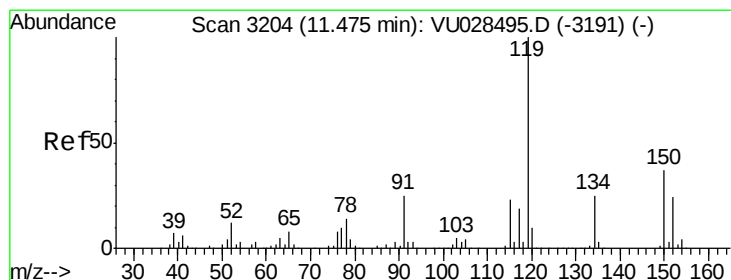
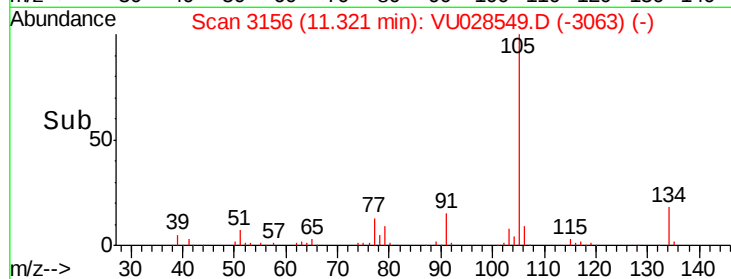
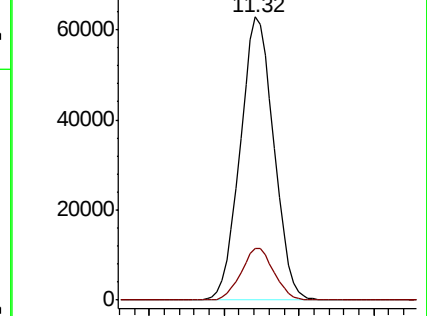
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 17.799 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU028549.D

Acq: 10 Dec 2018 14:27

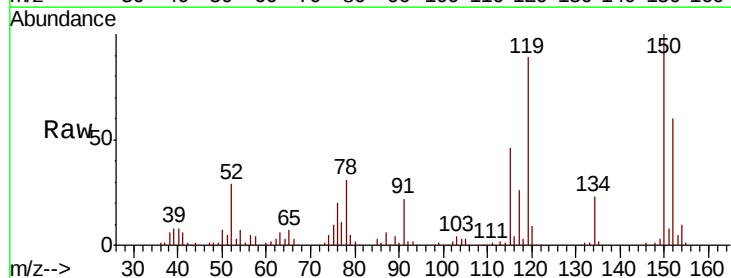
Tgt Ion:119 Resp: 80051

Ion Ratio Lower Upper

119 100

134 25.7 12.7 38.1

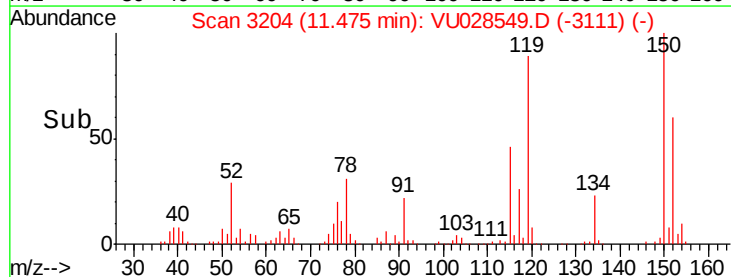
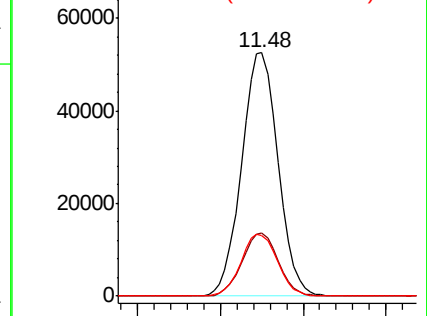
91 25.5 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





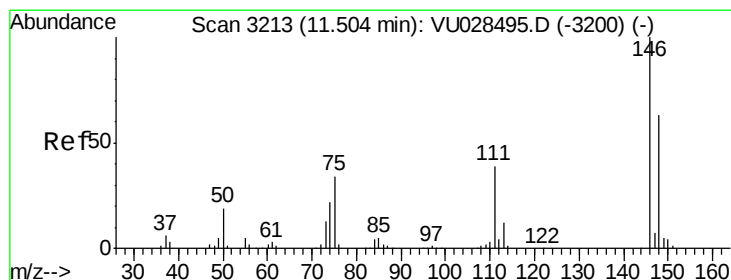
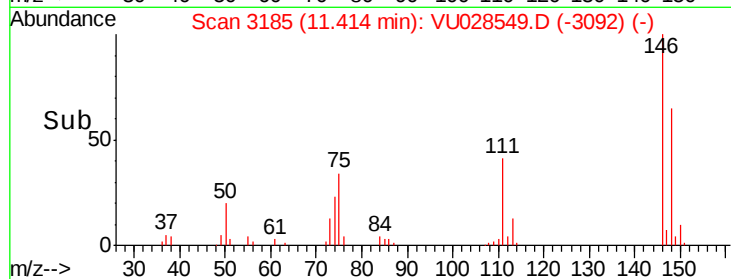
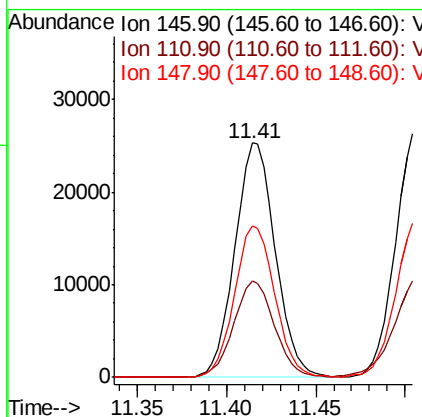
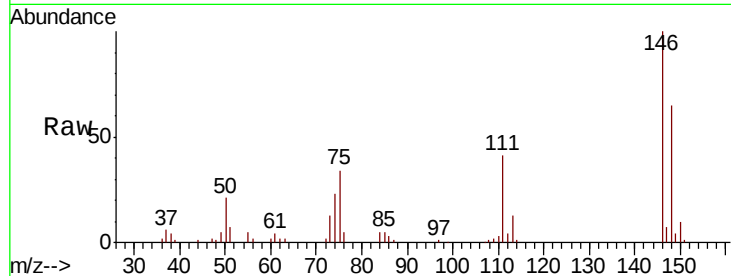
#87
 1,3-Dichlorobenzene
 Concen: 17.606 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028549.D
 Acq: 10 Dec 2018 14:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.7	62.1
148	64.3	31.9	95.7

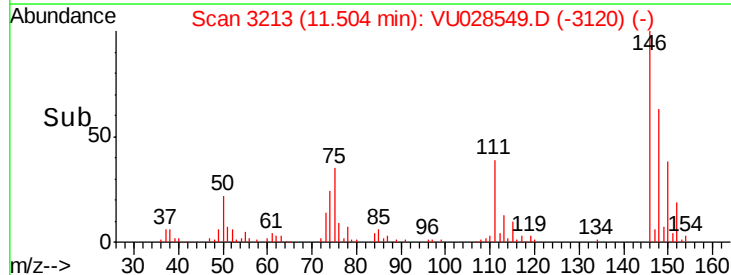
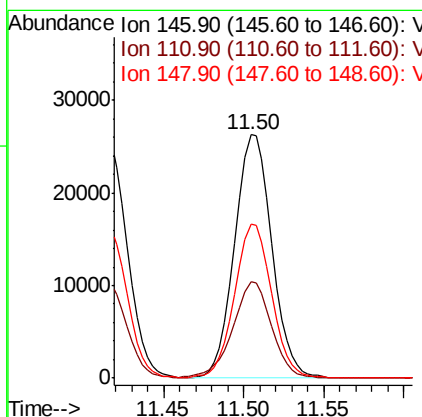
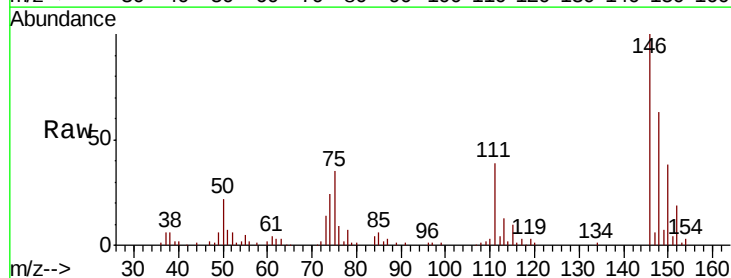
Manual Integrations
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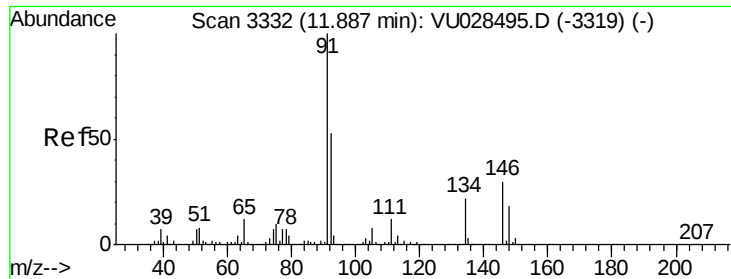
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#88
 1,4-Dichlorobenzene
 Concen: 17.679 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. -0.00 min
 Lab File: VU028549.D
 Acq: 10 Dec 2018 14:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.2	60.5
148	63.1	31.6	95.0





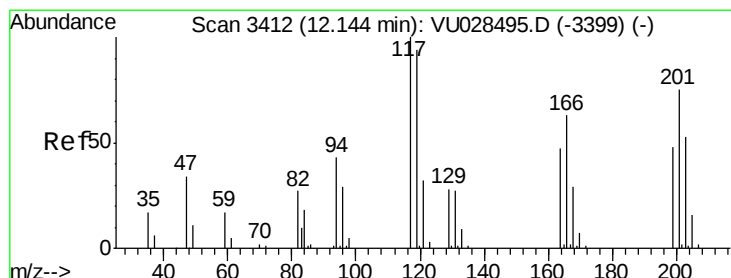
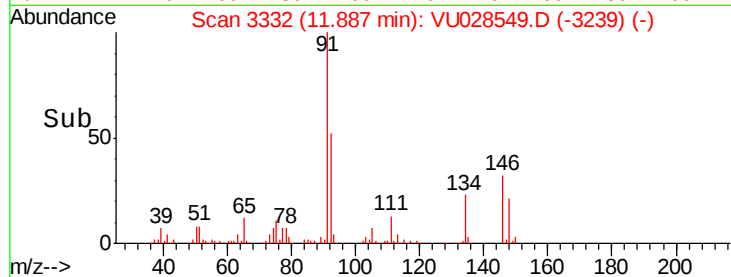
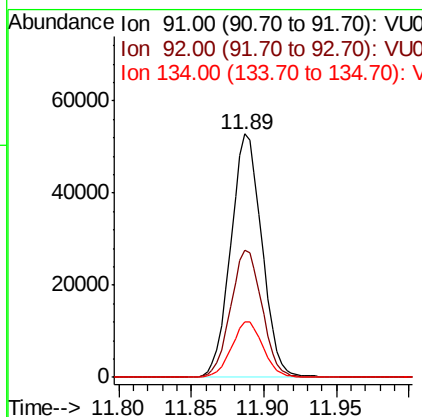
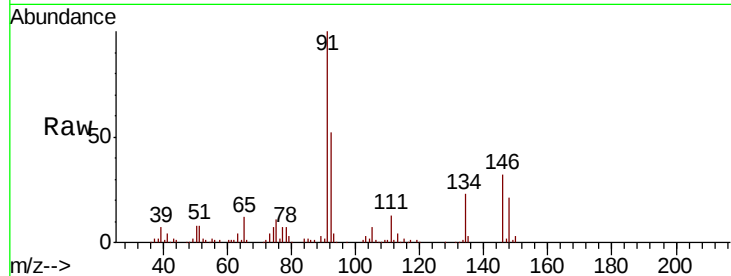
#89
n-Butylbenzene
Concen: 17.279 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028549.D
Acq: 10 Dec 2018 14:27

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.3	78.9
134	22.9	11.3	33.8

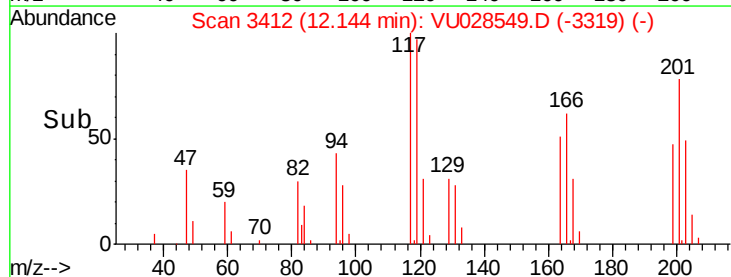
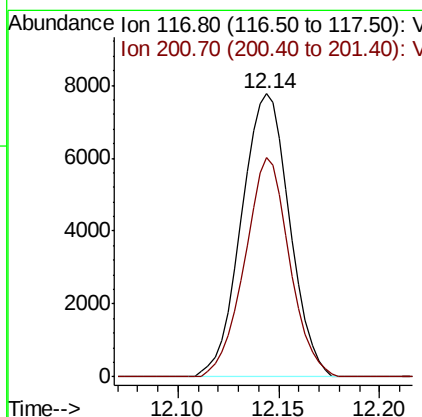
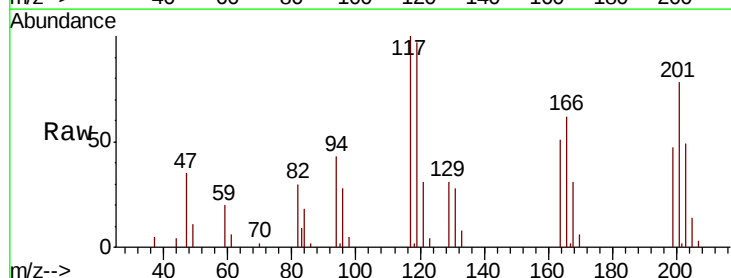
Manual Integrations
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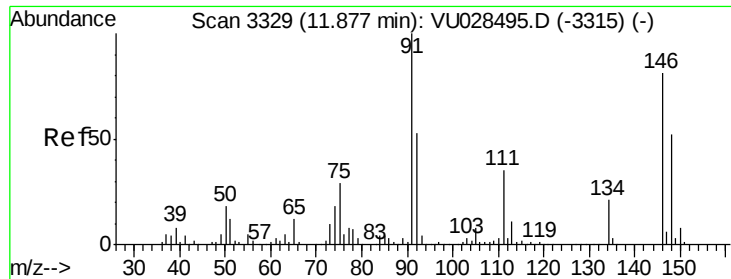
MMDadoda
12/11/2018 12:10:04 PM



#90
Hexachloroethane
Concen: 19.068 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028549.D
Acq: 10 Dec 2018 14:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.2	38.1	114.5





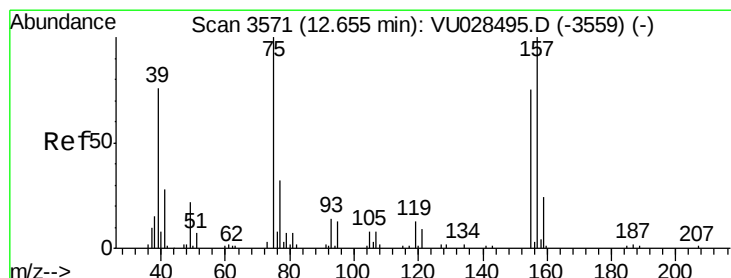
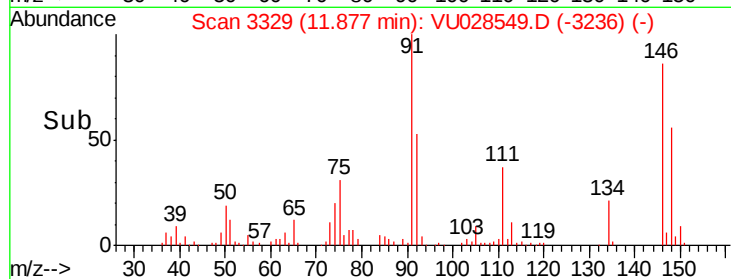
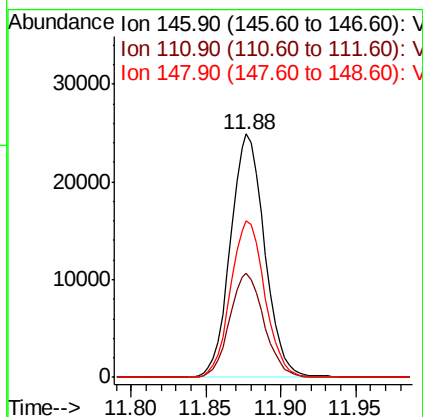
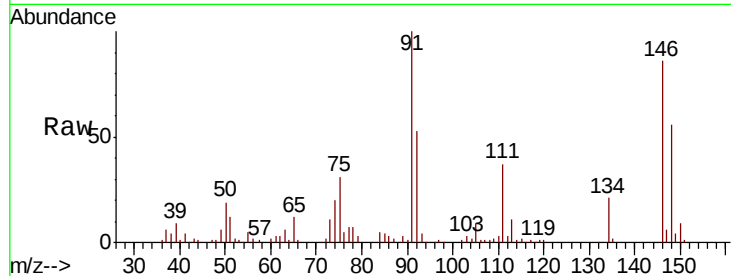
#91
 1,2-Dichlorobenzene
 Concen: 17.344 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028549.D
 Acq: 10 Dec 2018 14:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.1	63.4
148	64.4	31.4	94.2

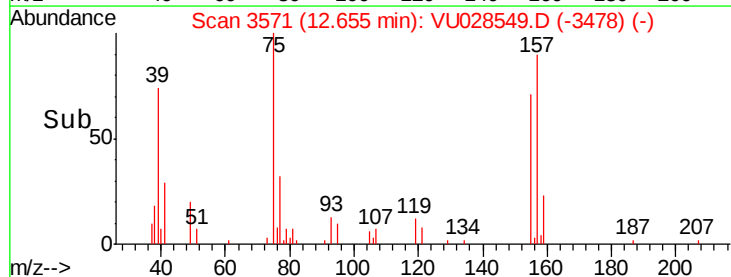
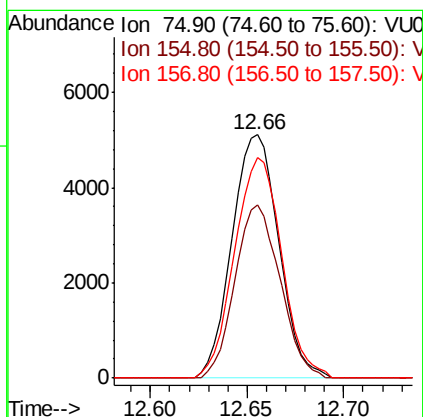
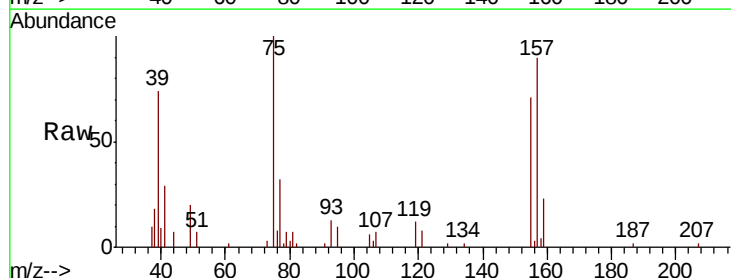
Manual Integrations
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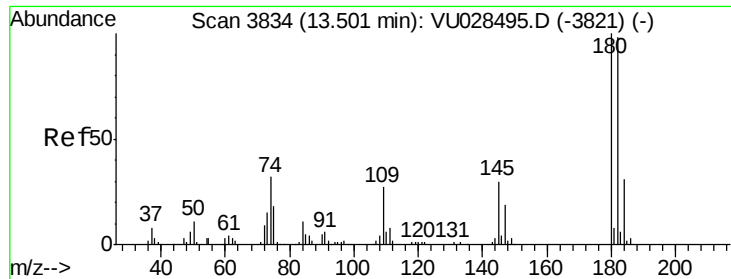
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.080 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028549.D
 Acq: 10 Dec 2018 14:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.3	38.1	114.5
157	91.0	48.7	146.1





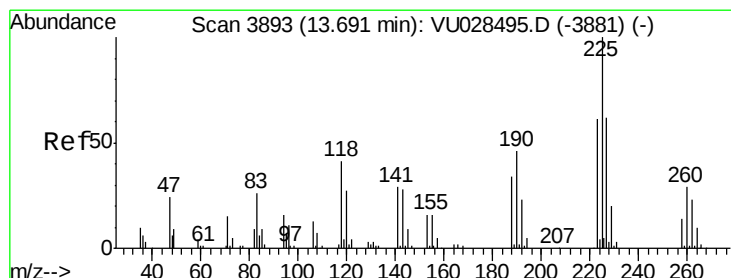
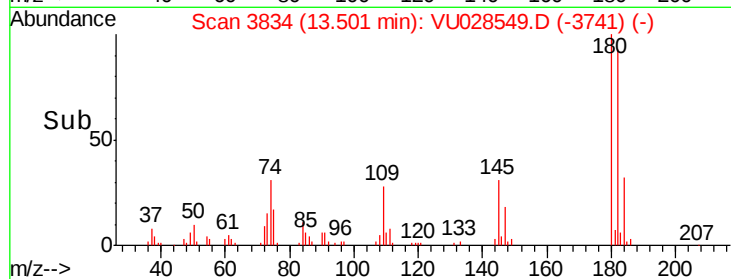
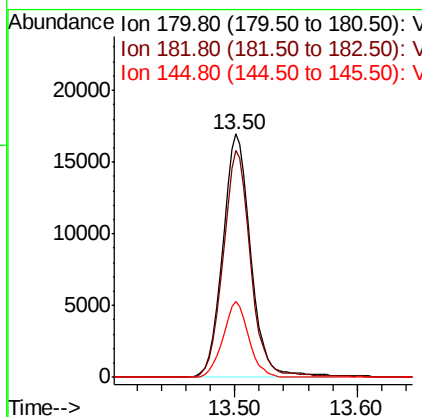
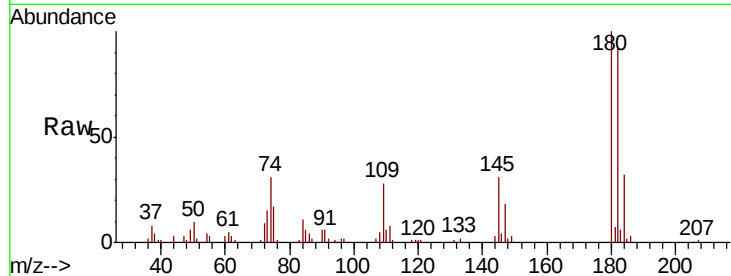
#93
1,2,4-Trichlorobenzene
Concen: 18.016 ug/l
RT: 13.50 min Scan# 3834
Delta R.T. -0.00 min
Lab File: VU028549.D
Acq: 10 Dec 2018 14:27

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.1	47.9	143.8
145	28.4	15.0	45.1

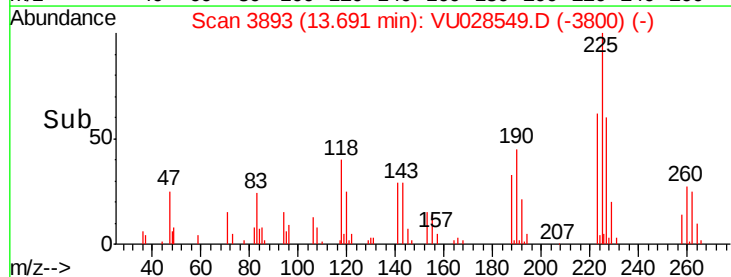
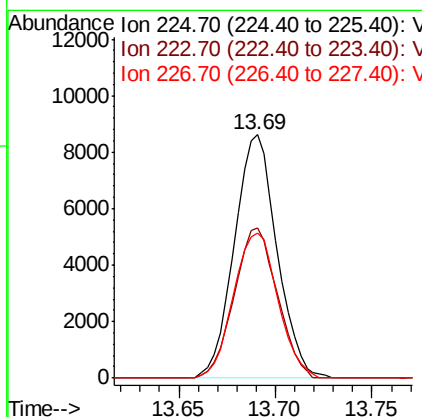
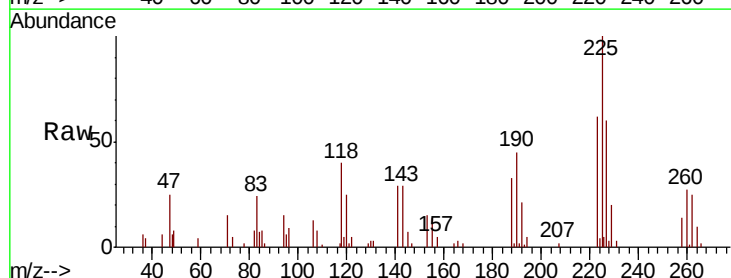
Manual Integrations
APPROVED

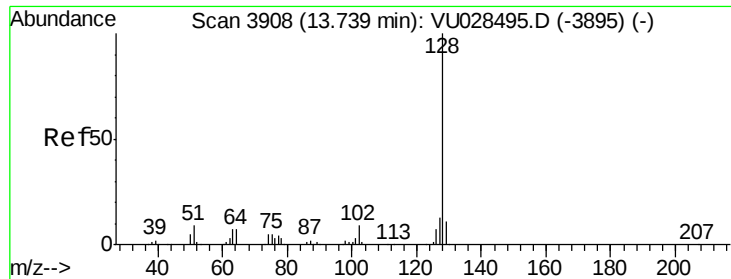
MMDadoda
12/11/2018 12:10:04 PM



#94
Hexachlorobutadiene
Concen: 17.619 ug/l
RT: 13.69 min Scan# 3893
Delta R.T. -0.00 min
Lab File: VU028549.D
Acq: 10 Dec 2018 14:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	30.4	91.2
227	62.0	30.7	92.1





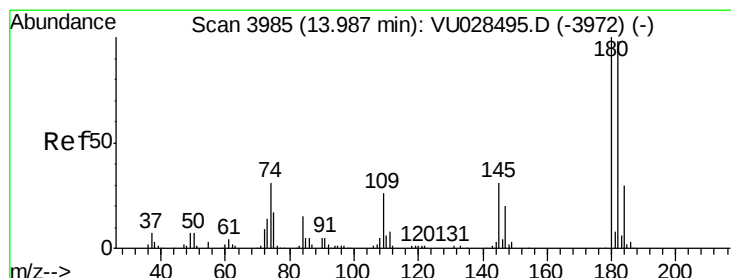
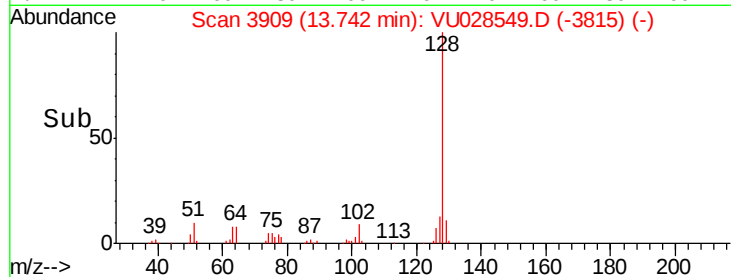
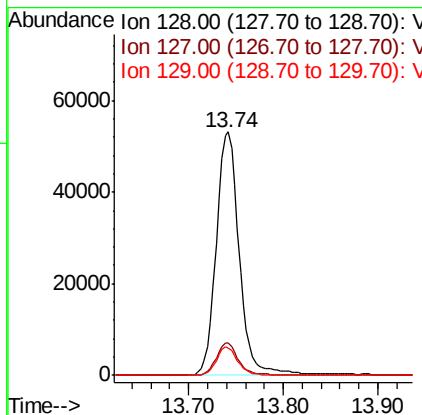
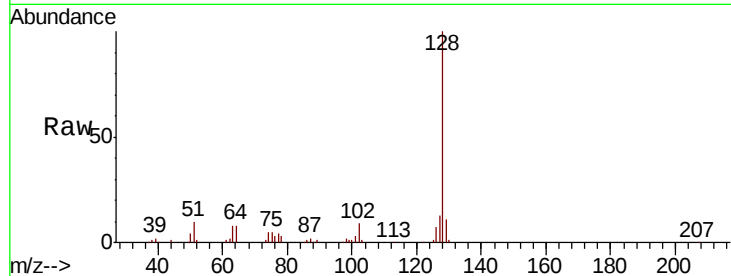
#95
Naphthalene
Concen: 16.488 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028549.D
Acq: 10 Dec 2018 14:27

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.4	15.6
129	10.7	8.6	13.0

Manual Integrations
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12/11/2018 12:10:04 PM



#96
1,2,3-Trichlorobenzene
Concen: 17.291 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028549.D
Acq: 10 Dec 2018 14:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.9	48.2	144.6
145	32.2	15.8	47.3

