

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121718\
 Data File : VU028738.D
 Acq On : 17 Dec 2018 23:09
 Operator : MD/SY
 Sample : VU1217WBS02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1217WBS02

Manual Integrations
 APPROVED

MMDadoda
 12/18/2018 11:31:28 AM

Quant Time: Dec 18 07:31:25 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	74963	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	130575	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	119119	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	57062	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	64957	56.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.56%	
35) Dibromofluoromethane	4.88	113	46680	56.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.62%	
50) Toluene-d8	7.56	98	180599	55.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.12%	
62) 4-Bromofluorobenzene	10.30	95	63629	52.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	20673	20.575	ug/l	97
3) Chloromethane	1.33	50	35623	19.284	ug/l	96
4) Vinyl Chloride	1.40	62	27684	20.767	ug/l	99
5) Bromomethane	1.61	94	11418	21.262	ug/l	100
6) Chloroethane	1.69	64	16027	21.236	ug/l	98
7) Trichlorofluoromethane	1.88	101	28966	20.652	ug/l	92
8) Diethyl Ether	2.10	74	13263	20.212	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.28	101	17325	20.654	ug/l	99
10) Methyl Iodide	2.41	142	18587	28.239	ug/l	98
11) Tert butyl alcohol	2.83	59	28170	110.525	ug/l	99
12) 1,1-Dichloroethene	2.28	96	17071	20.454	ug/l	96
13) Acrolein	2.19	56	20138	99.112	ug/l	97
14) Allyl chloride	2.59	41	45432	23.010	ug/l	91
15) Acrylonitrile	2.94	53	80019	113.083	ug/l	100
16) Acetone	2.32	43	65058	87.150	ug/l	100
17) Carbon Disulfide	2.48	76	59451	19.773	ug/l	100
18) Methyl Acetate	2.61	43	48576	25.102	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	67878	21.453	ug/l	96
20) Methylene Chloride	2.70	84	22597	20.534	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	19230	20.464	ug/l	99
22) Diisopropyl ether	3.57	45	86731	22.588	ug/l	96
23) Vinyl Acetate	3.52	43	344348	108.727	ug/l	99
24) 1,1-Dichloroethane	3.44	63	43182	21.485	ug/l	99
25) 2-Butanone	4.26	43	108364	106.222	ug/l	99
26) 2,2-Dichloropropane	4.23	77	29694	18.646	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	22346	21.009	ug/l	99
28) Bromochloromethane	4.55	49	23175	25.364	ug/l	99
29) Tetrahydrofuran	4.64	42	76921	117.402	ug/l	96
30) Chloroform	4.67	83	38412	21.928	ug/l	96
31) Cyclohexane	4.99	56	42139	20.785	ug/l	97
32) 1,1,1-Trichloroethane	4.91	97	31716	21.800	ug/l	98
36) 1,1-Dichloropropene	5.13	75	29526	20.664	ug/l	99
37) Ethyl Acetate	4.38	43	40486	21.919	ug/l	99
38) Carbon Tetrachloride	5.13	117	24815	21.547	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	34082	19.551	ug/l	99
40) Benzene	5.39	78	91080	21.643	ug/l	100
41) Methacrylonitrile	4.54	41	23384	23.117	ug/l	96
42) 1,2-Dichloroethane	5.40	62	32538	22.089	ug/l	99
43) Isopropyl Acetate	5.55	43	66154	22.643	ug/l	99
44) Trichloroethene	6.19	130	19722	21.077	ug/l	98
45) 1,2-Dichloropropane	6.43	63	27015	22.828	ug/l	100
46) Dibromomethane	6.56	93	15434	21.981	ug/l	99
47) Bromodichloromethane	6.76	83	30257	22.144	ug/l	97
48) Methyl methacrylate	6.62	41	33064	22.757	ug/l	97
49) 1,4-Dioxane	6.61	88	10257	447.108	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	210631	114.308	ug/l	99
52) Toluene	7.64	92	51663	20.860	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	34592	21.257	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	37551	21.269	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	21784	22.251	ug/l	93
56) Ethyl methacrylate	8.02	69	35383	21.105	ug/l	95
57) 1,3-Dichloropropane	8.24	76	39766	21.881	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.12	63	89759	104.527	ug/l	99
59) 2-Hexanone	8.36	43	157994	108.178	ug/l	99
60) Dibromochloromethane	8.48	129	20642	21.535	ug/l	99
61) 1,2-Dibromoethane	8.58	107	22286	21.707	ug/l	98
64) Tetrachloroethene	8.22	164	17245	21.704	ug/l	98
65) Chlorobenzene	9.12	112	54763	21.575	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	18457	22.771	ug/l	99
67) Ethyl Benzene	9.25	91	98544	21.119	ug/l	99
68) m/p-Xylenes	9.37	106	72733	42.837	ug/l	98
69) o-Xylene	9.78	106	35290	21.387	ug/l	99
70) Styrene	9.79	104	58688	21.492	ug/l	99
71) Bromoform	9.95	173	15829	22.956	ug/l #	99
73) Isopropylbenzene	10.17	105	93190	21.283	ug/l	100
74) N-amyl acetate	10.01	43	56137	22.226	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	39342	23.390	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	34102m	23.404	ug/l	
77) Bromobenzene	10.45	156	22338	21.814	ug/l	99
78) n-propylbenzene	10.58	91	114235	20.996	ug/l	99
79) 2-Chlorotoluene	10.66	91	68445	21.839	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	77286	21.324	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	11335m	19.450	ug/l	
82) 4-Chlorotoluene	10.77	91	76116	20.495	ug/l	99
83) tert-Butylbenzene	11.10	119	75316	21.559	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	80106	21.446	ug/l	98
85) sec-Butylbenzene	11.32	105	94227	20.995	ug/l	99
86) p-Isopropyltoluene	11.48	119	76853	20.159	ug/l	100
87) 1,3-Dichlorobenzene	11.41	146	39371	20.361	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	40193	20.091	ug/l	99
89) n-Butylbenzene	11.89	91	72667	18.834	ug/l	100
90) Hexachloroethane	12.14	117	13278	23.043	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	40737	21.062	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	8163	22.417	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	24654	19.080	ug/l	99
94) Hexachlorobutadiene	13.69	225	12391	19.557	ug/l	98
95) Naphthalene	13.74	128	86040	18.538	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	26517	20.134	ug/l	97

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

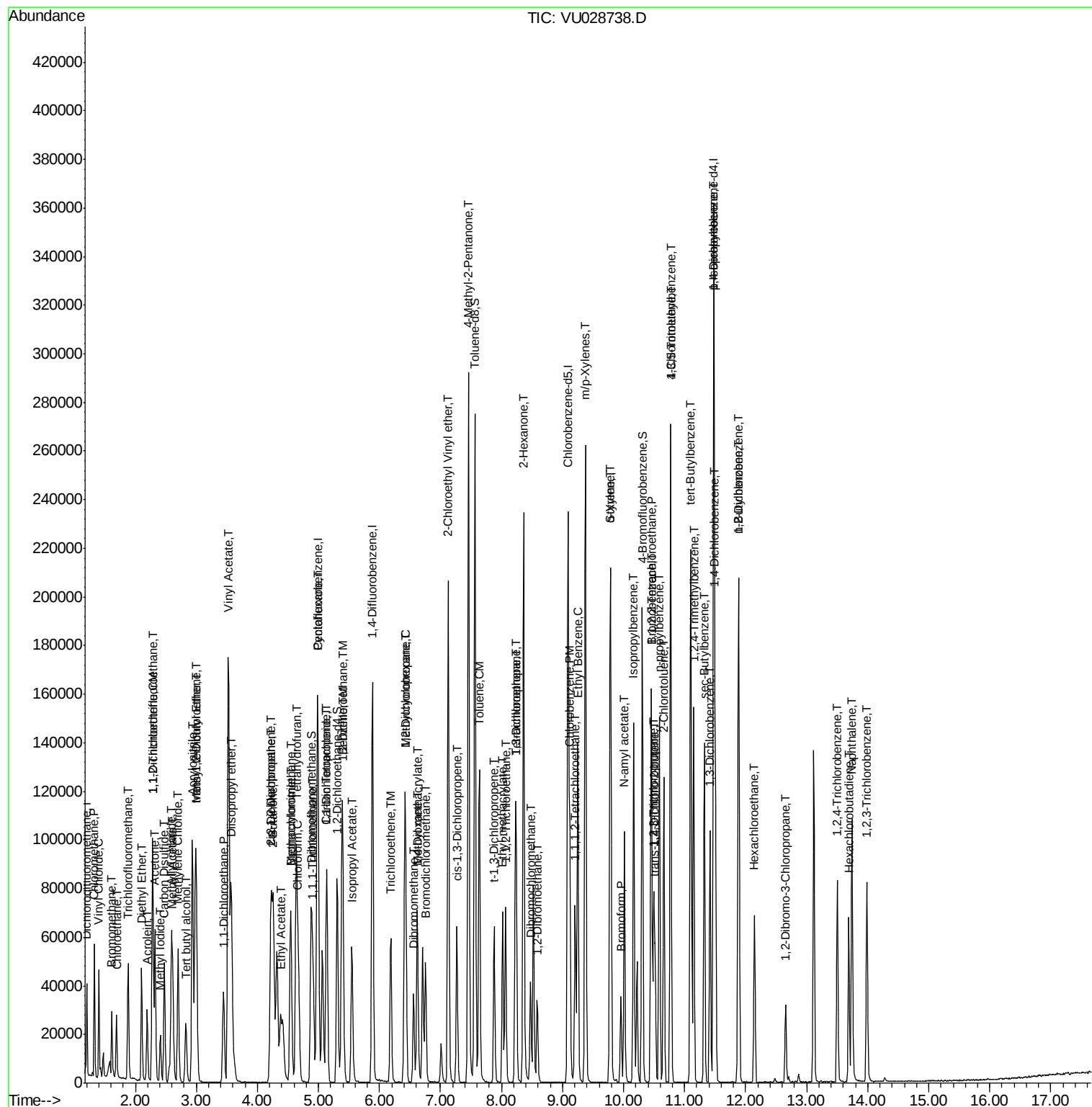
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU121718\
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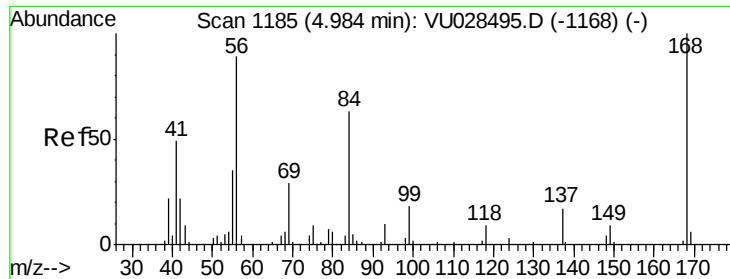
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

Instrument :

MSVOA_U

ClientSampleId :

VU1217WBS02

Tgt Ion: 168 Resp: 74963

Ion Ratio Lower Upper

168 100

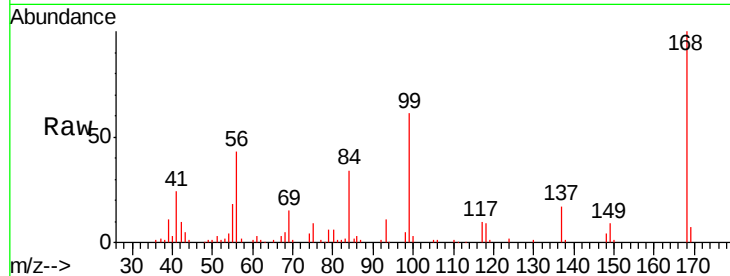
99 60.6 46.6 69.8

Manual Integrations

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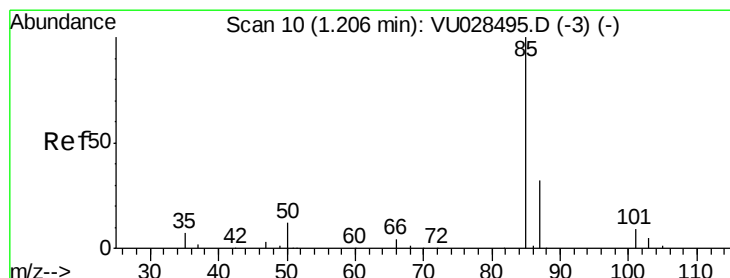
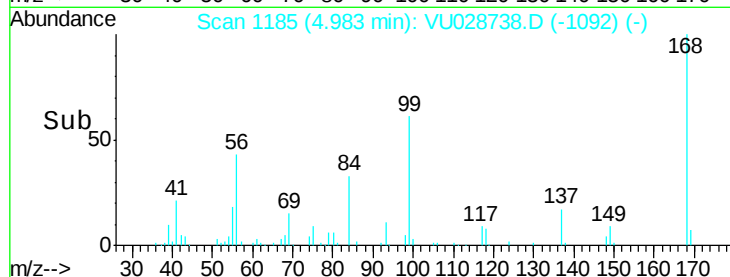
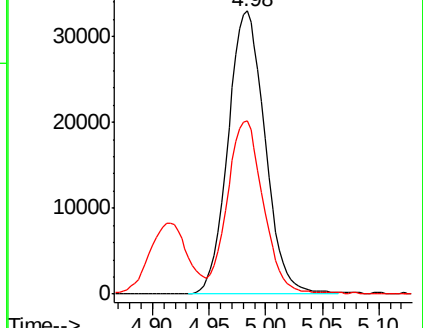
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Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

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



#2

Dichlorodifluoromethane

Concen: 20.575 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028738.D

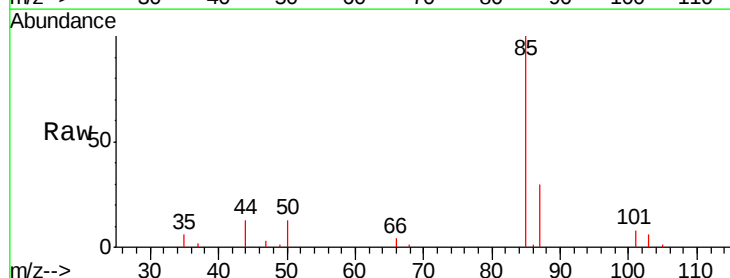
Acq: 17 Dec 2018 23:09

Tgt Ion: 85 Resp: 20673

Ion Ratio Lower Upper

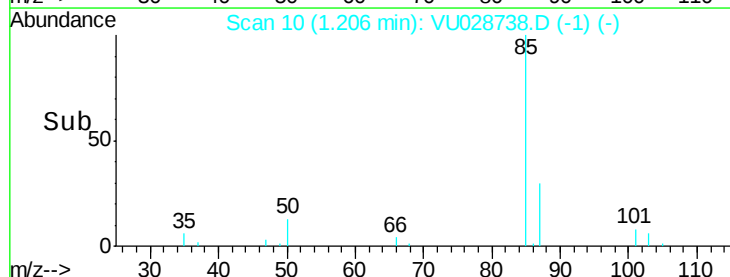
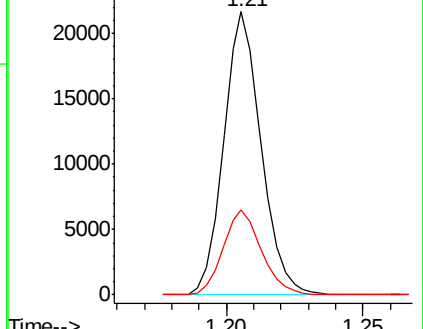
85 100

87 30.1 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) (-)





#3

Chloromethane

Concen: 19.284 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

Instrument :

MSVOA_U

ClientSampleId :

VU1217WBS02

Tgt Ion: 50 Resp: 35623

Ion Ratio Lower Upper

50 100

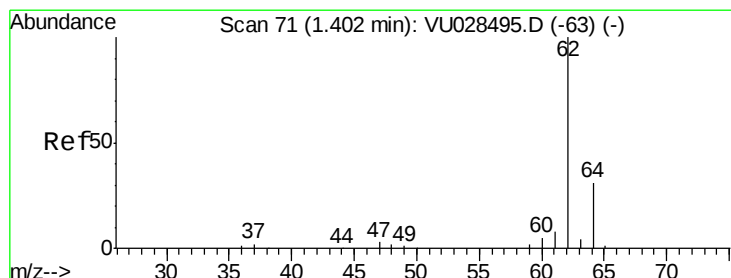
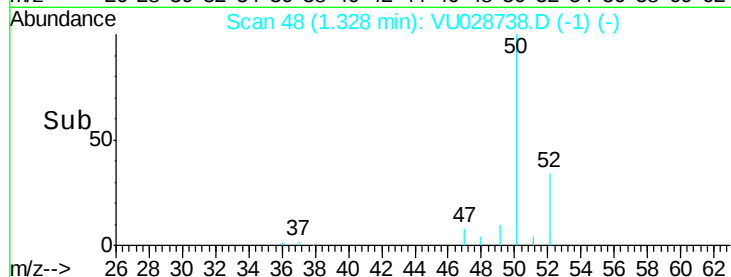
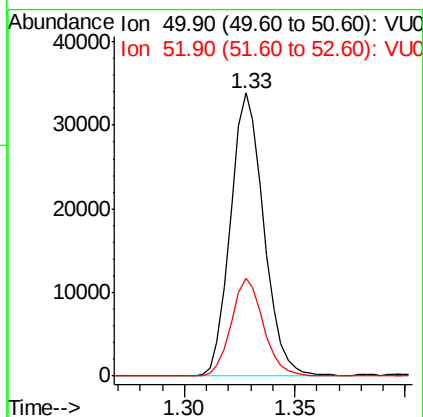
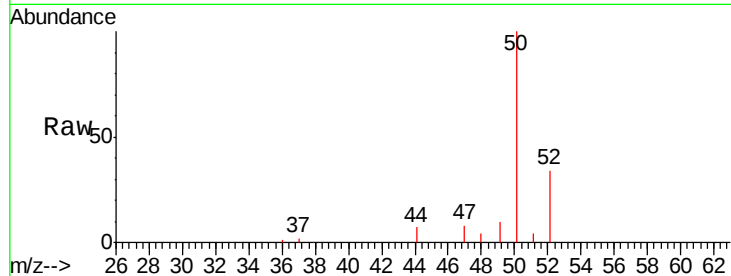
52 34.4 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.767 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028738.D

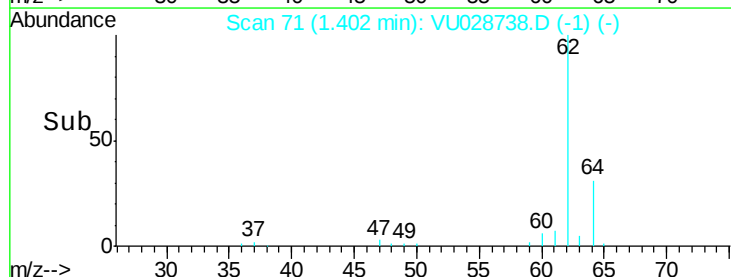
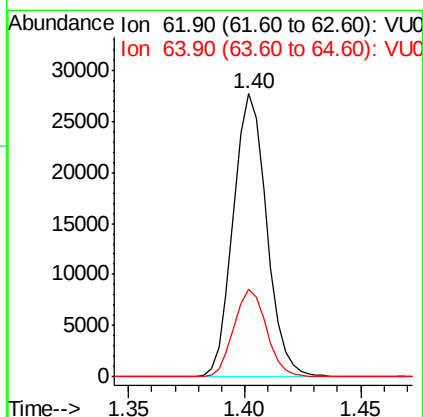
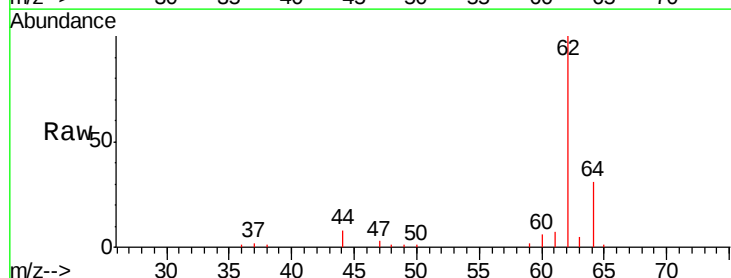
Acq: 17 Dec 2018 23:09

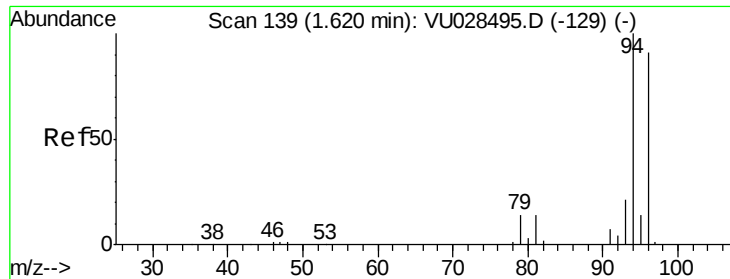
Tgt Ion: 62 Resp: 27684

Ion Ratio Lower Upper

62 100

64 30.7 25.1 37.7





#5

Bromomethane

Concen: 21.262 ug/l

RT: 1.61 min Scan# 137

Delta R.T. -0.01 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

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ClientSampleId :

VU1217WBS02

Tgt Ion: 94 Resp: 11418

Ion Ratio Lower Upper

94 100

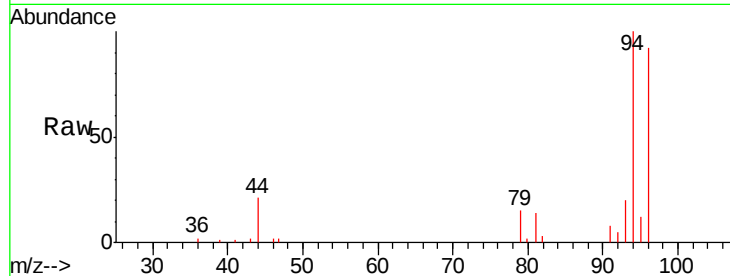
96 91.8 73.2 109.8

Manual Integrations

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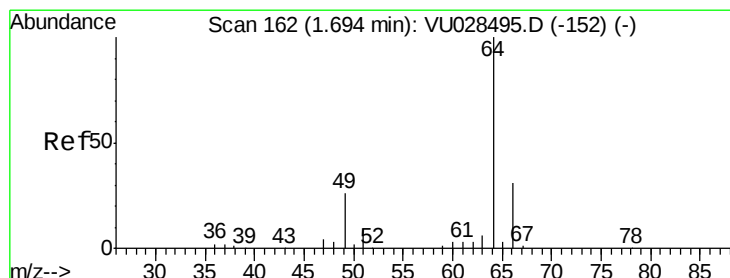
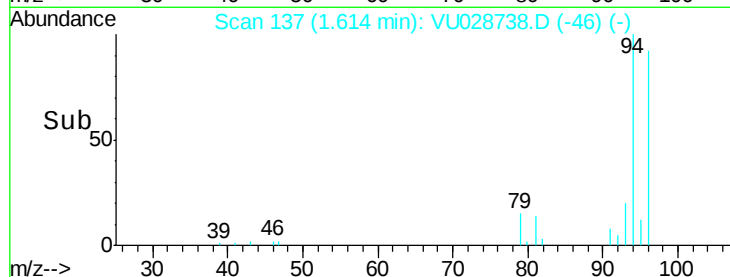
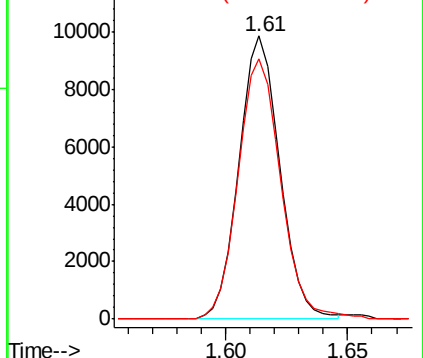
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 21.236 ug/l

RT: 1.69 min Scan# 161

Delta R.T. -0.00 min

Lab File: VU028738.D

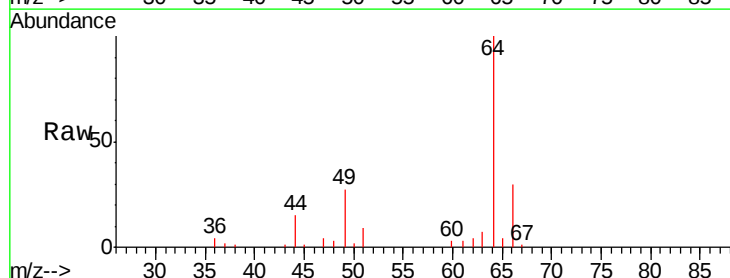
Acq: 17 Dec 2018 23:09

Tgt Ion: 64 Resp: 16027

Ion Ratio Lower Upper

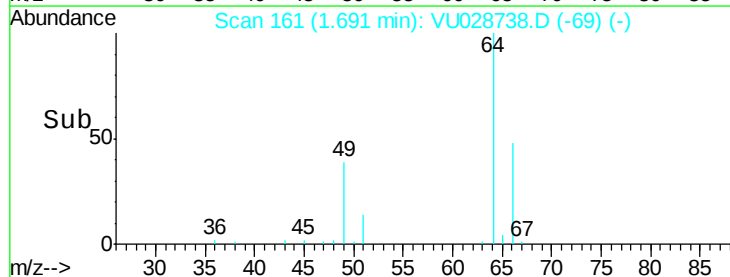
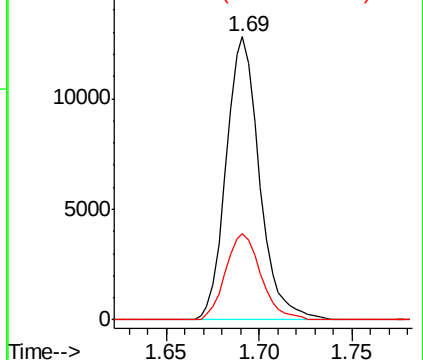
64 100

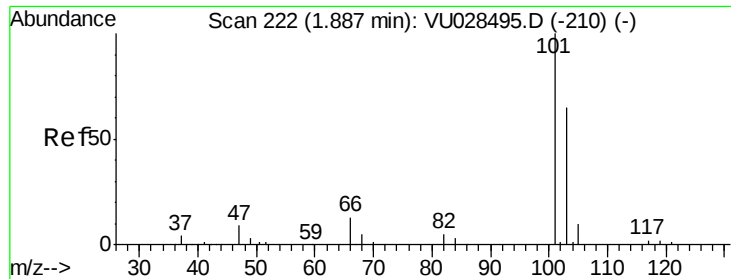
66 30.3 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

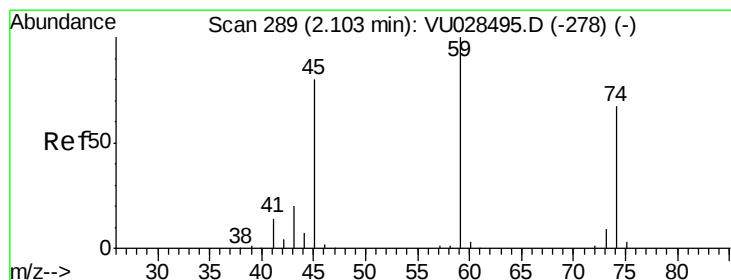
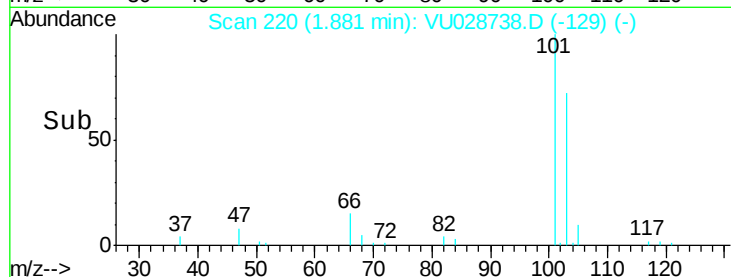
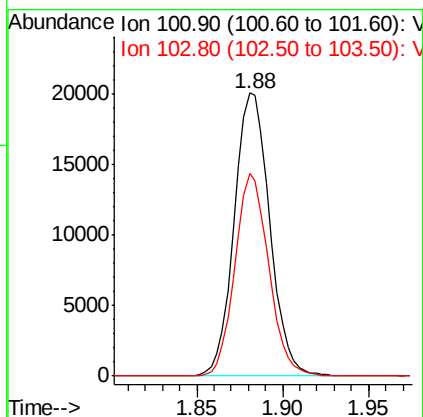
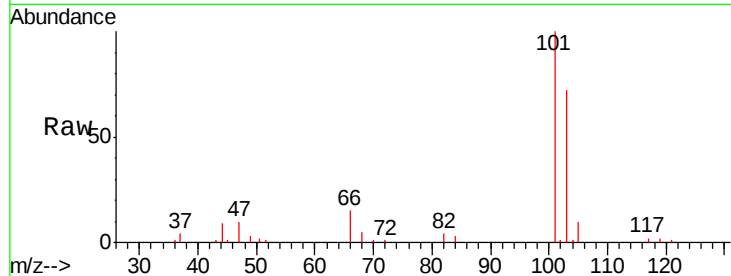
Trichlorofluoromethane
Concen: 20.652 ug/l
RT: 1.88 min Scan# 220
Delta R.T. -0.01 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Instrument :
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VU1217WBS02

Tgt Ion: 101 Resp: 28966
Ion Ratio Lower Upper
101 100
103 71.5 52.3 78.5

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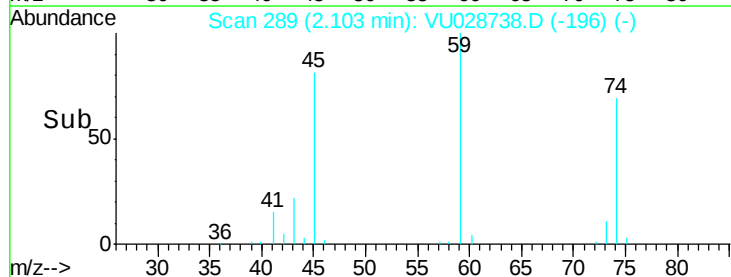
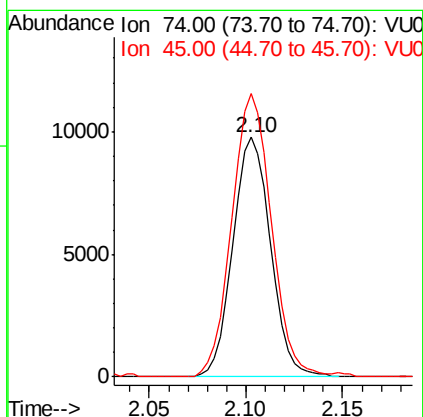
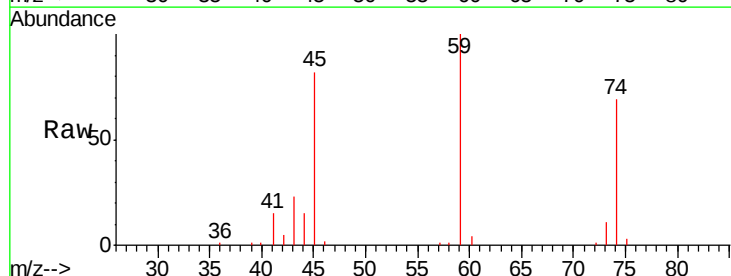
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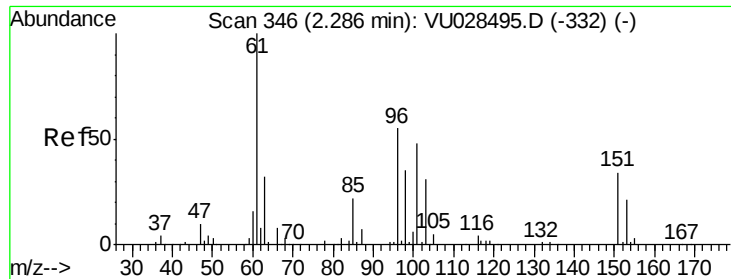


#8

Diethyl Ether
Concen: 20.212 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Tgt Ion: 74 Resp: 13263
Ion Ratio Lower Upper
74 100
45 124.2 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.654 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

Instrument :

MSVOA_U

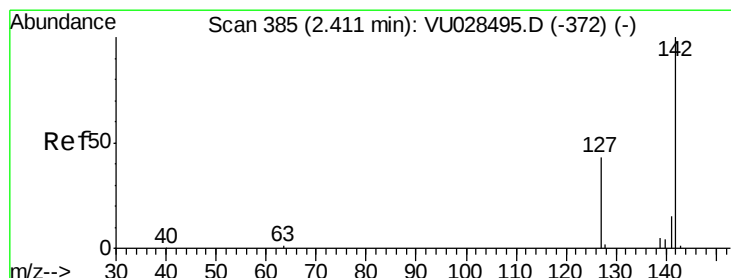
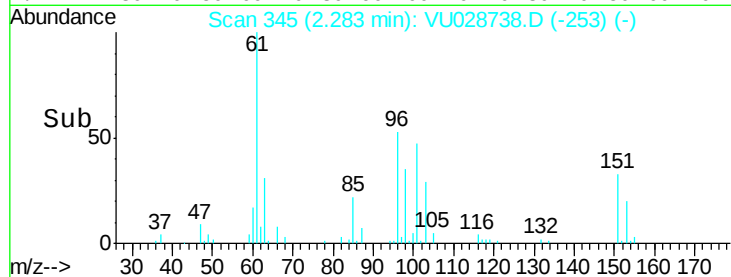
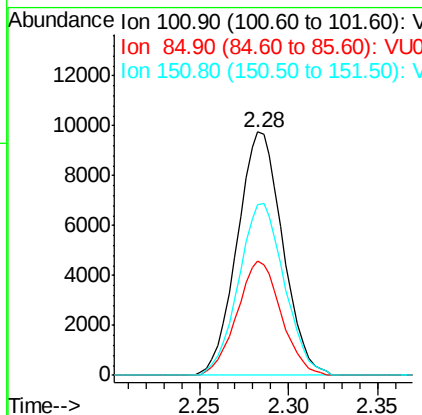
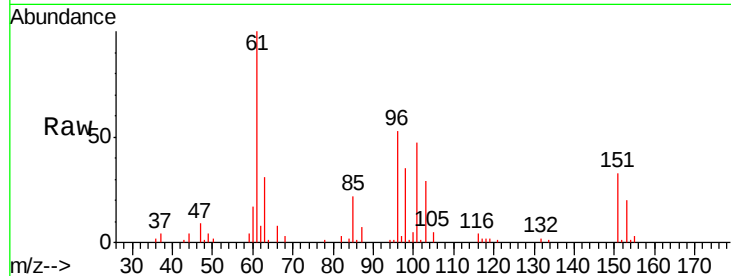
ClientSampleId :

VU1217WBS02

Tgt Ion:	101	Resp:	17325
Ion Ratio	Lower	Upper	
101	100		
85	45.7	36.4	54.6
151	71.2	58.2	87.2

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#10

Methyl Iodide

Concen: 28.239 ug/l

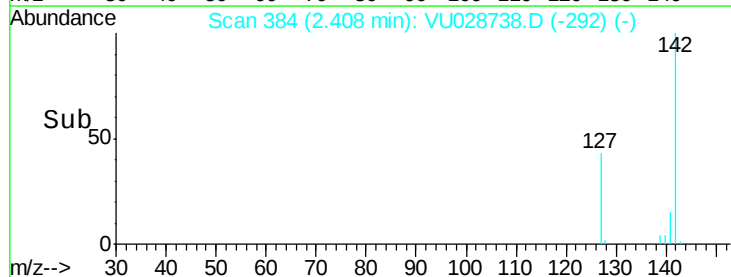
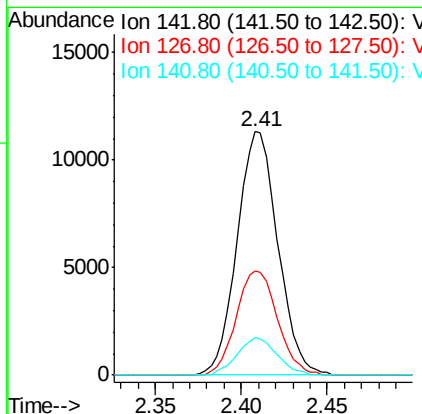
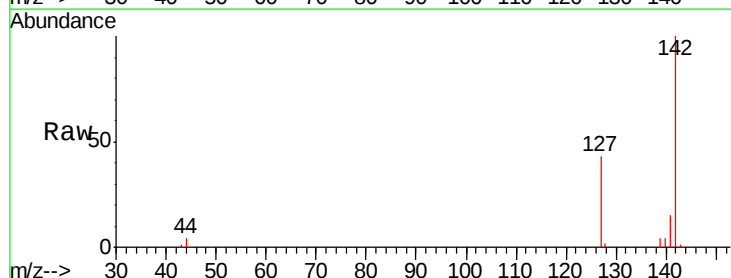
RT: 2.41 min Scan# 384

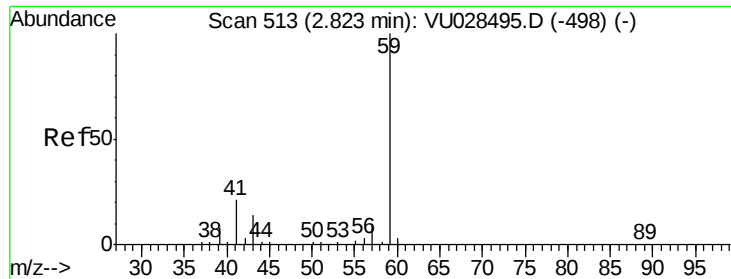
Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

Tgt Ion:	142	Resp:	18587
Ion Ratio	Lower	Upper	
142	100		
127	43.1	33.5	50.3
141	15.0	11.2	16.8





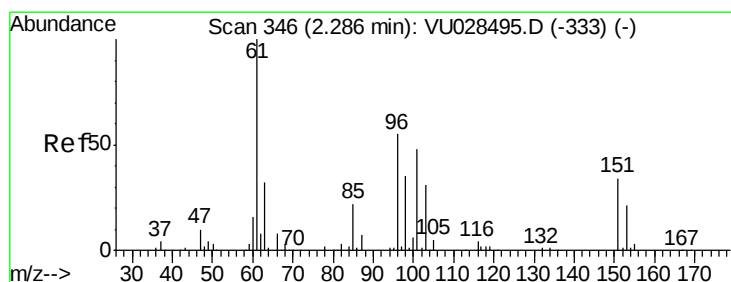
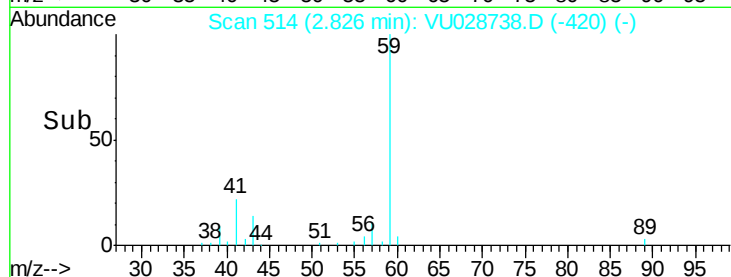
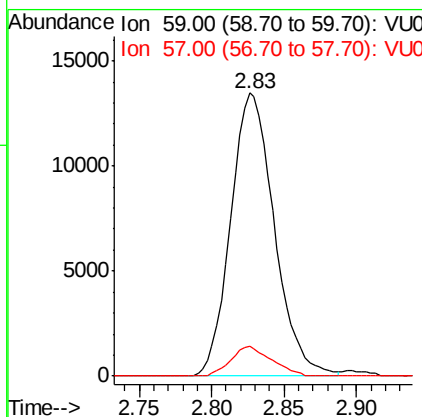
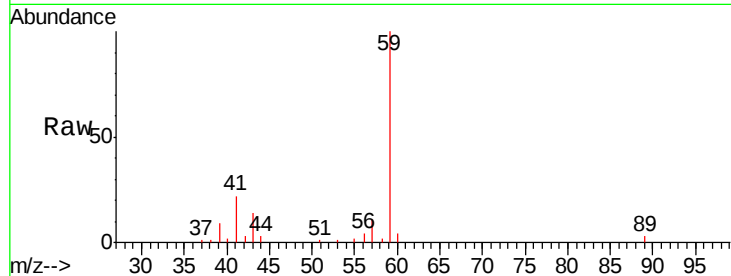
#11
Tert butyl alcohol
Concen: 110.525 ug/l
RT: 2.83 min Scan# 514
Delta R.T. 0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Instrument :
MSVOA_U
ClientSampleId :
VU1217WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	28170		
57	9.8		8.0	12.0

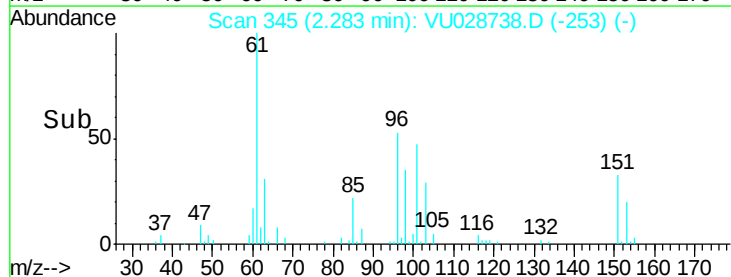
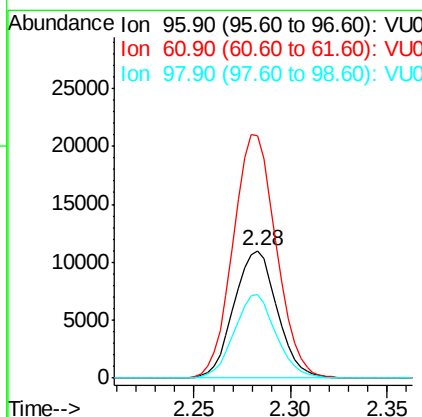
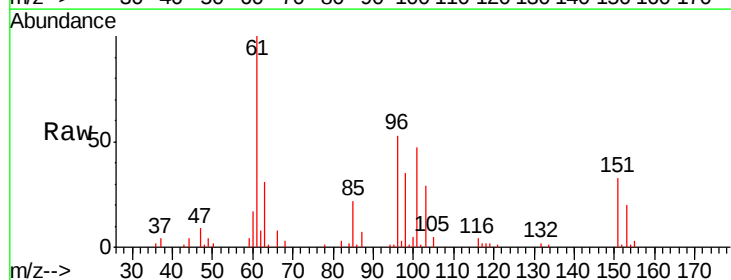
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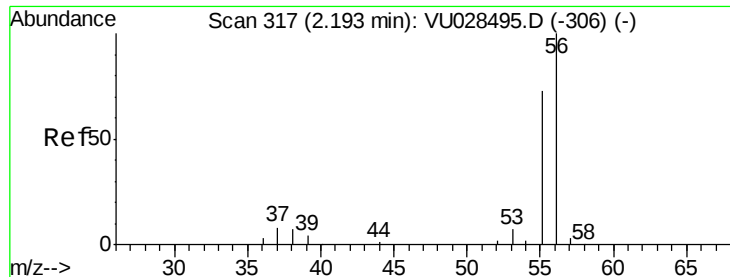
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#12
1,1-Dichloroethene
Concen: 20.454 ug/l
RT: 2.28 min Scan# 345
Delta R.T. -0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	17071		
61	190.1		146.4	219.6
98	66.0		51.8	77.8





#13

Acrolein

Concen: 99.112 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

Instrument :

MSVOA_U

ClientSampleId :

VU1217WBS02

Tgt Ion: 56 Resp: 20138

Ion Ratio Lower Upper

56 100

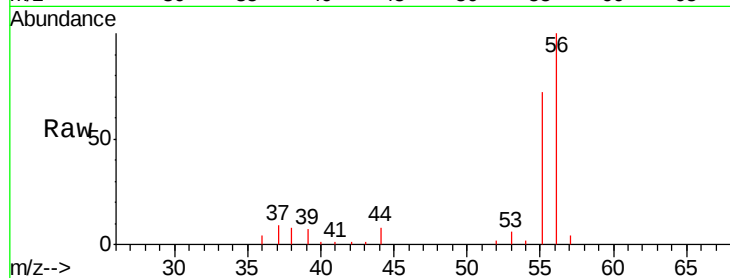
55 69.7 57.5 86.3

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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

15000

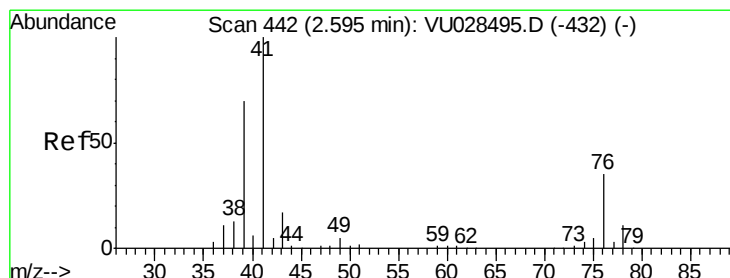
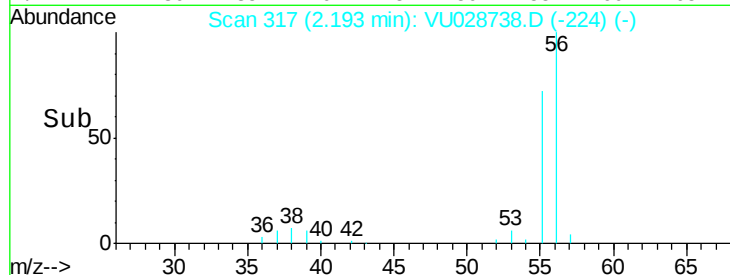
10000

5000

0

2.15 2.20 2.25

Time-->



#14

Allyl chloride

Concen: 23.010 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

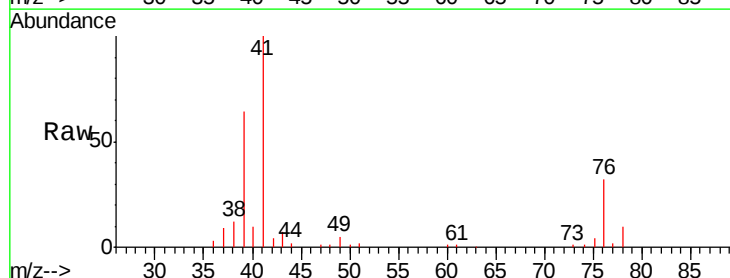
Tgt Ion: 41 Resp: 45432

Ion Ratio Lower Upper

41 100

39 55.9 50.8 76.2

76 27.2 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

50000

40000

30000

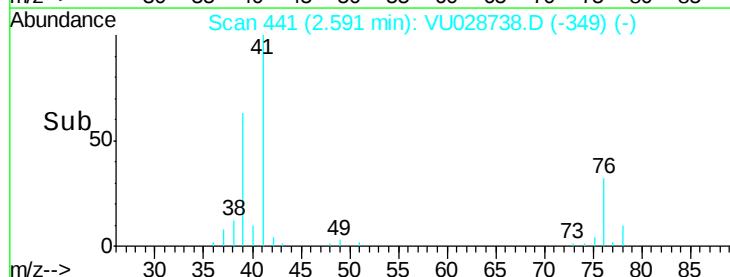
20000

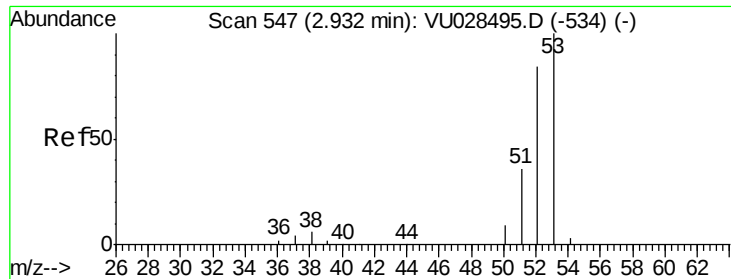
10000

0

2.50 2.55 2.60 2.65 2.70

Time-->





#15

Acrylonitrile

Concen: 113.083 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

Instrument :

MSVOA_U

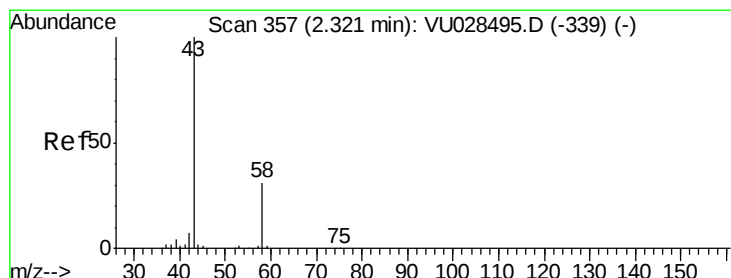
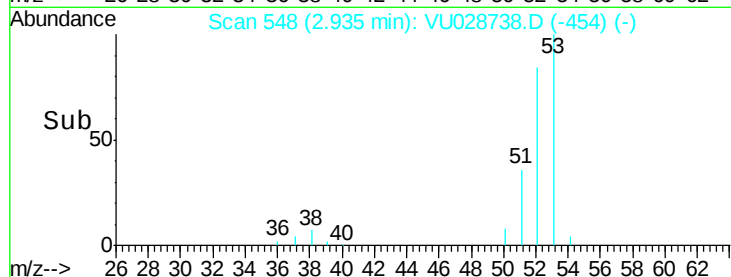
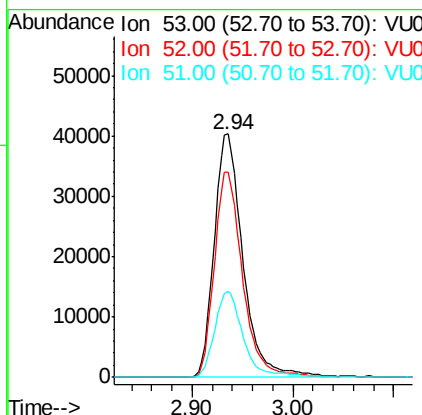
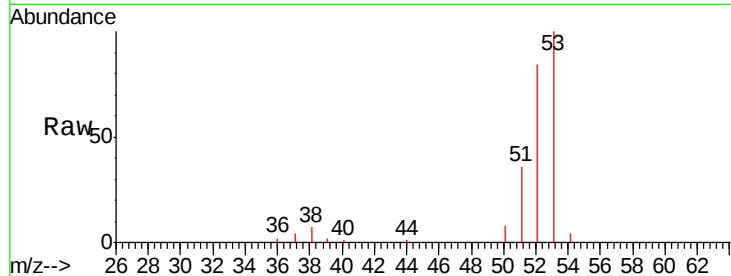
ClientSampleId :

VU1217WBS02

Tgt Ion:	53	Resp:	80019
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.1	99.1
51	35.4	28.1	42.1

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#16

Acetone

Concen: 87.150 ug/l

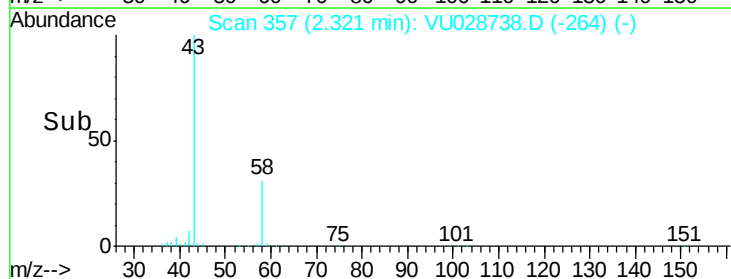
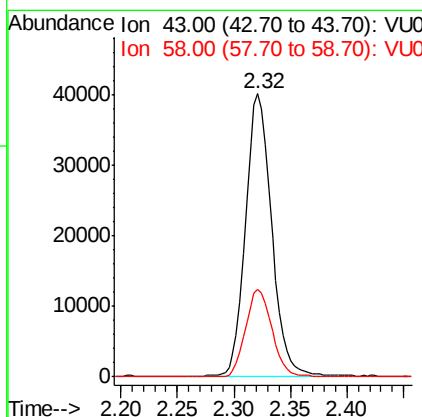
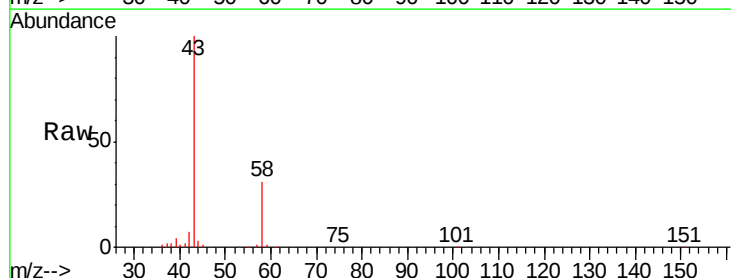
RT: 2.32 min Scan# 357

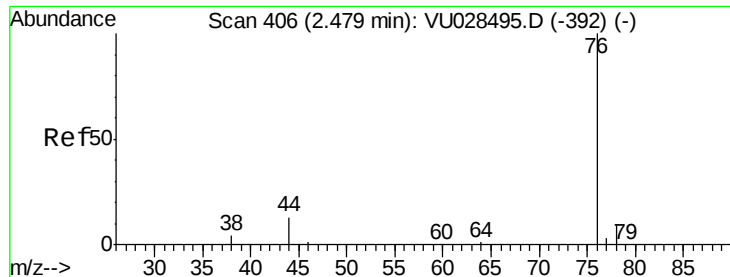
Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

Tgt Ion:	43	Resp:	65058
Ion	Ratio	Lower	Upper
43	100		
58	31.1	24.6	37.0





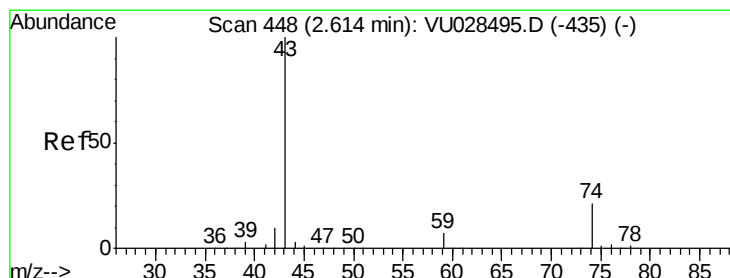
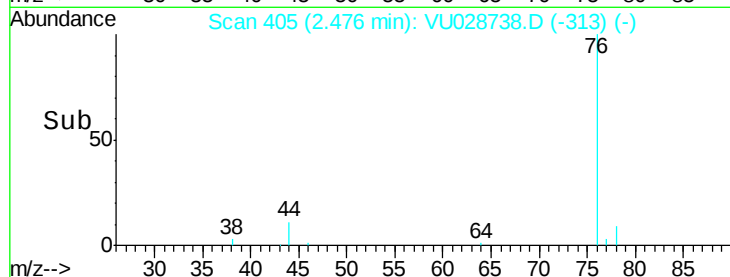
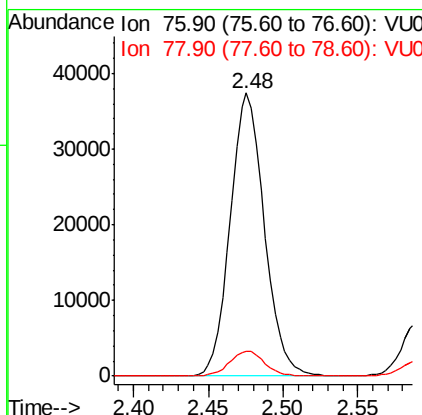
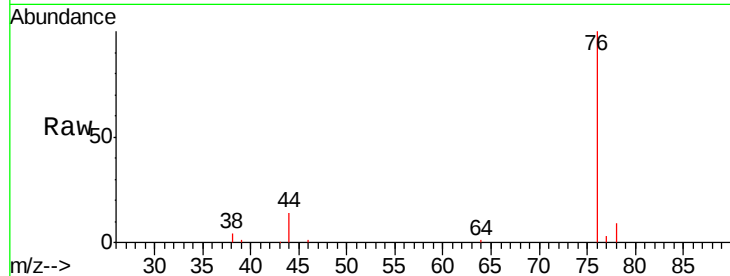
#17
Carbon Disulfide
Concen: 19.773 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Instrument :
MSVOA_U
ClientSampleId :
VU1217WBS02

Tgt Ion: 76 Resp: 59451
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8

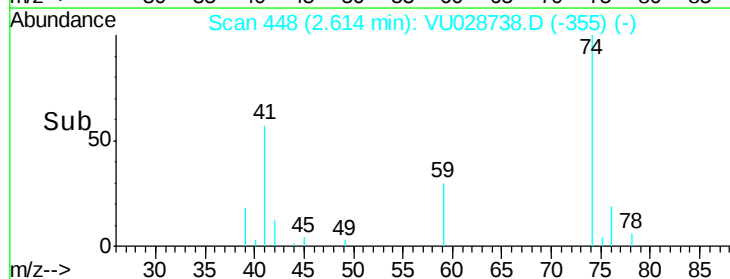
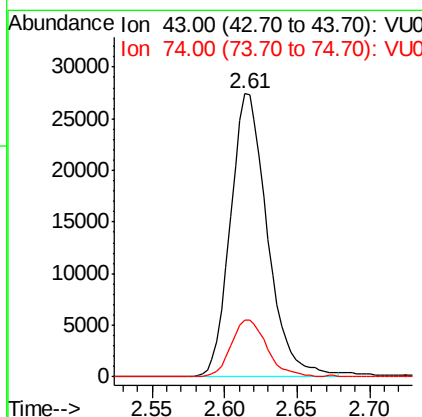
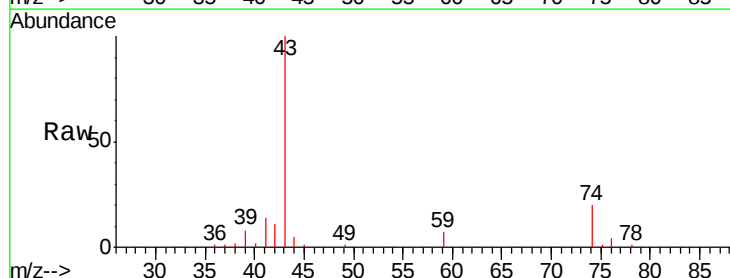
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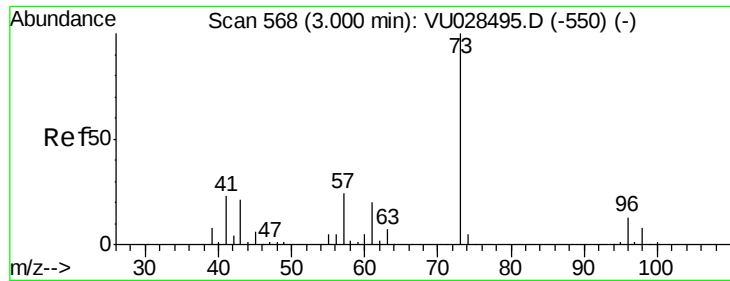
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#18
Methyl Acetate
Concen: 25.102 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Tgt Ion: 43 Resp: 48576
Ion Ratio Lower Upper
43 100
74 19.6 16.4 24.6





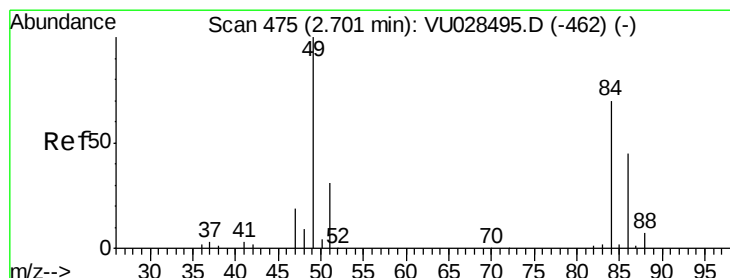
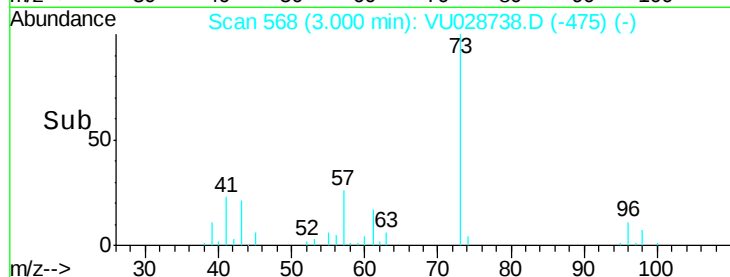
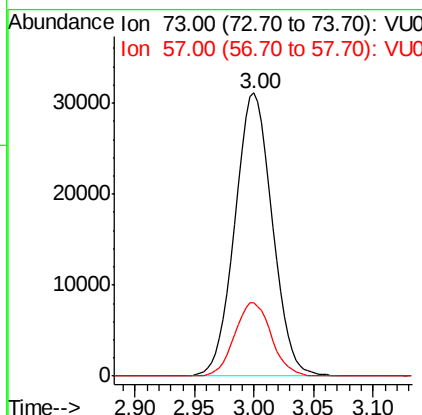
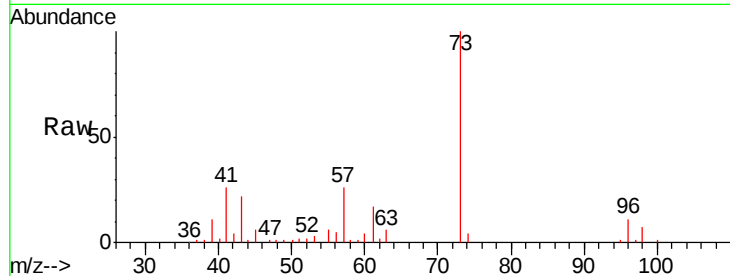
#19
Methyl tert-butyl Ether
Concen: 21.453 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Instrument :
MSVOA_U
ClientSampleId :
VU1217WBS02

Tgt Ion: 73 Resp: 67878
Ion Ratio Lower Upper
73 100
57 26.1 19.4 29.2

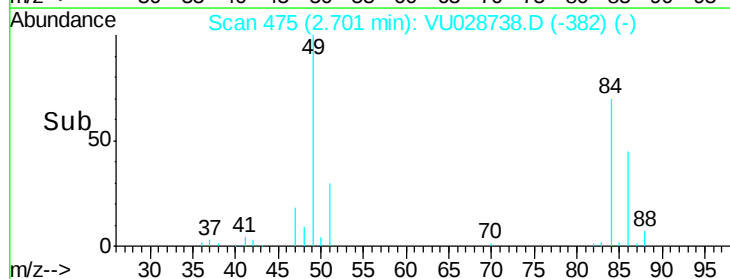
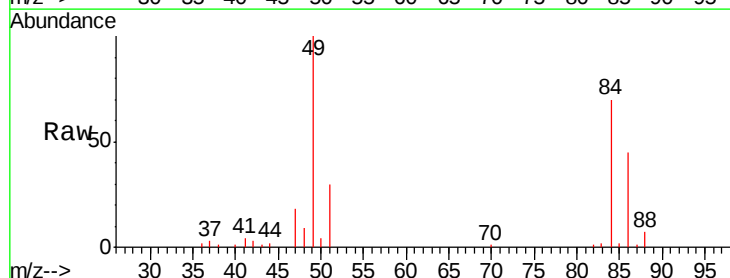
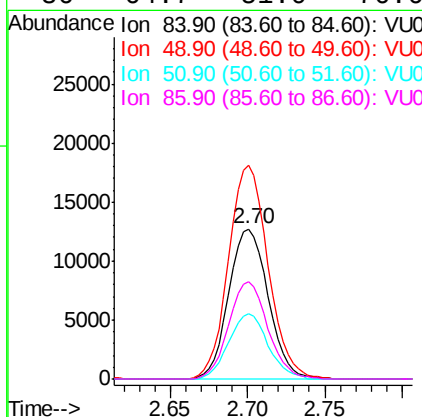
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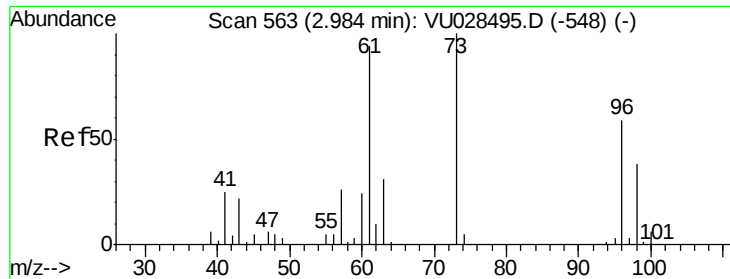
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#20
Methylene Chloride
Concen: 20.534 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Tgt Ion: 84 Resp: 22597
Ion Ratio Lower Upper
84 100
49 142.6 114.0 171.0
51 43.4 35.1 52.7
86 64.7 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 20.464 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

Instrument :

MSVOA_U

ClientSampleId :

VU1217WBS02

Tgt Ion: 96 Resp: 19230

Ion Ratio Lower Upper

96 100

61 157.2 127.0 190.4

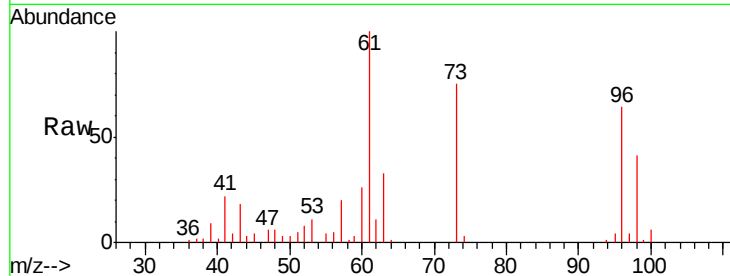
98 64.5 51.9 77.9

Manual Integrations

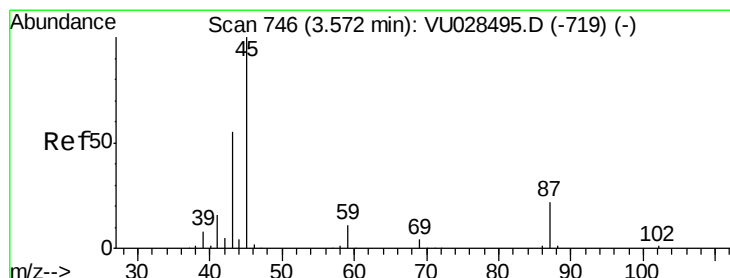
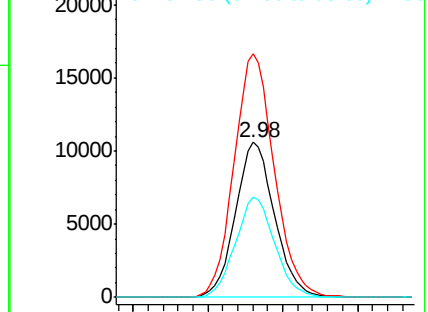
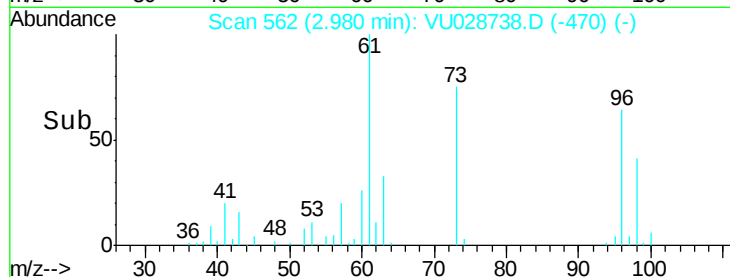
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Abundance Ion 95.90 (95.60 to 96.60): VU028738.D (-470) (-)



#22

Diisopropyl ether

Concen: 22.588 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

Tgt Ion: 45 Resp: 86731

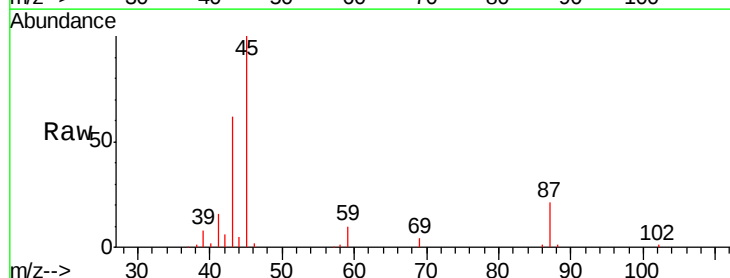
Ion Ratio Lower Upper

45 100

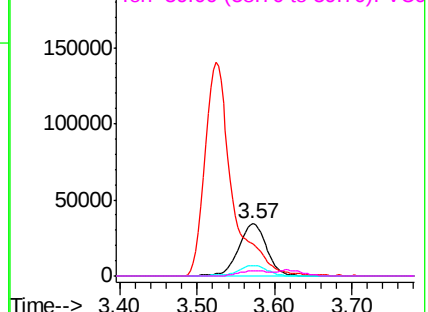
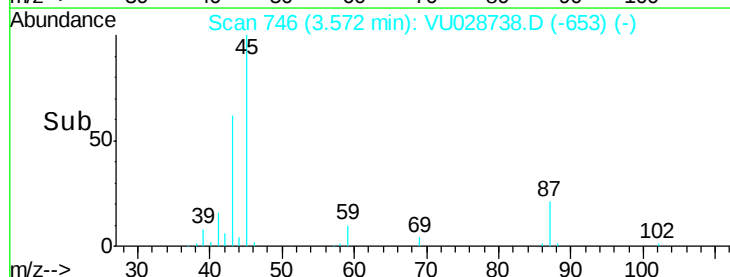
43 60.3 45.3 67.9

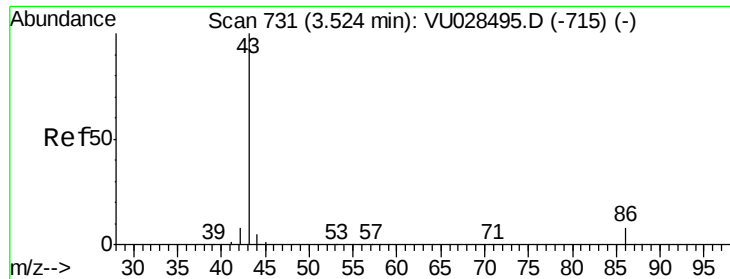
87 21.0 17.6 26.4

59 10.5 8.8 13.2



Abundance Ion 45.00 (44.70 to 45.70): VU028738.D (-653) (-)





#23

Vinyl Acetate

Concen: 108.727 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

Instrument :

MSVOA_U

ClientSampleId :

VU1217WBS02

Tgt Ion: 43 Resp: 344348

Ion Ratio Lower Upper

43 100

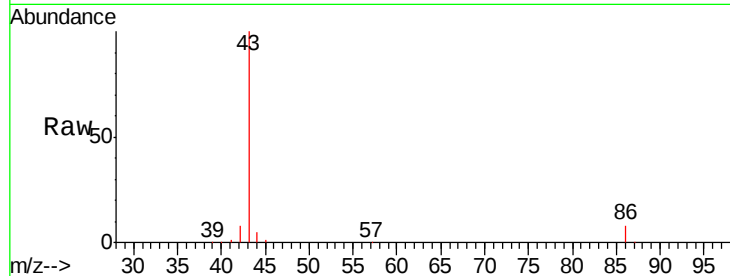
86 8.2 6.8 10.2

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

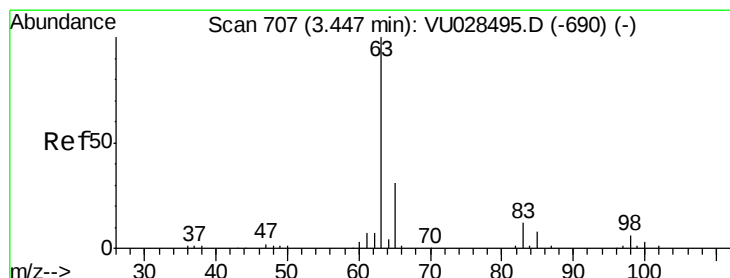
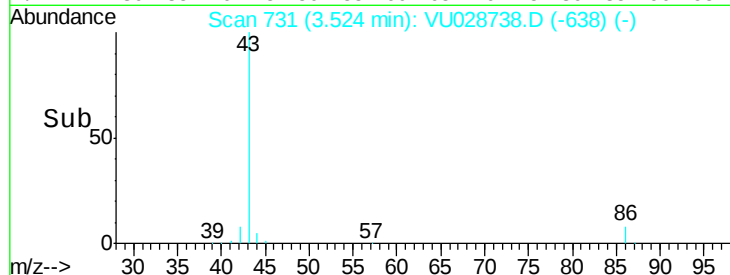
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.485 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

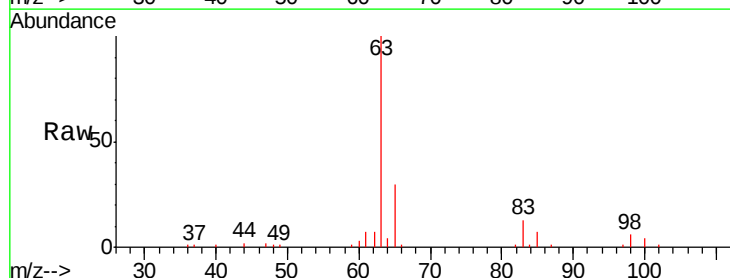
Tgt Ion: 63 Resp: 43182

Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.2

100 3.5 1.7 5.1



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

25000

20000

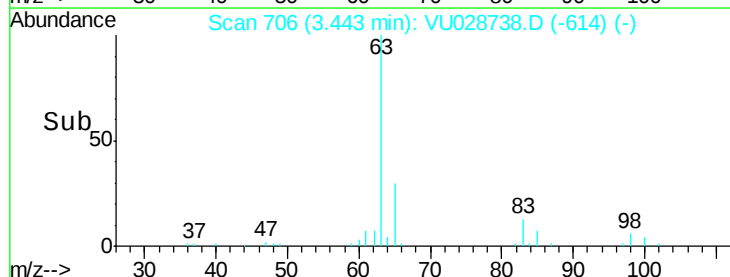
15000

10000

5000

0

Time-->





#25

2-Butanone

Concen: 106.222 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

Instrument :

MSVOA_U

ClientSampleId :

VU1217WBS02

Tgt Ion: 43 Resp: 108364

Ion Ratio Lower Upper

43 100

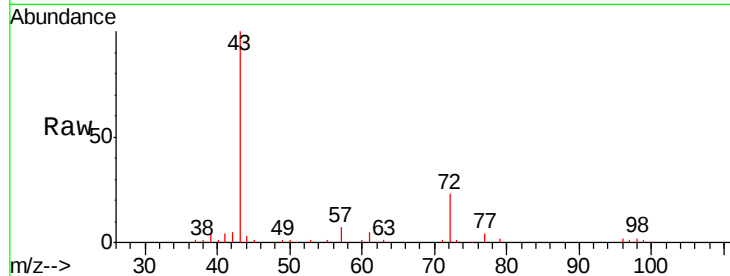
72 22.8 18.6 28.0

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

4.26

50000

40000

30000

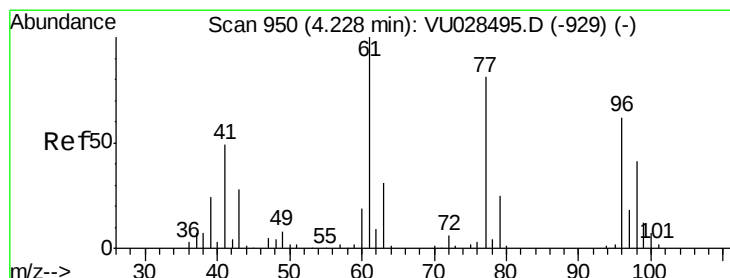
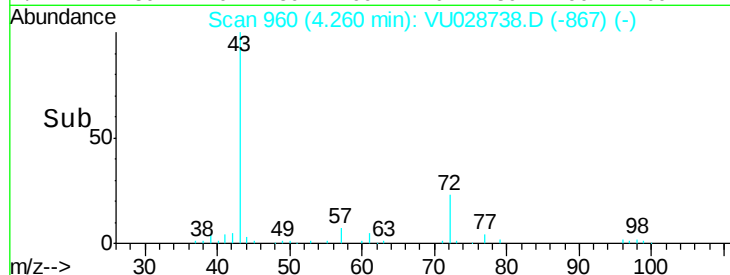
20000

10000

0

Time-->

4.15 4.20 4.25 4.30 4.35



#26

2,2-Dichloropropane

Concen: 18.646 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU028738.D

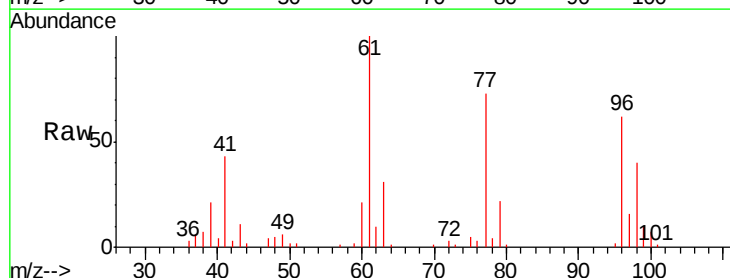
Acq: 17 Dec 2018 23:09

Tgt Ion: 77 Resp: 29694

Ion Ratio Lower Upper

77 100

97 21.5 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

4.23

12000

10000

8000

6000

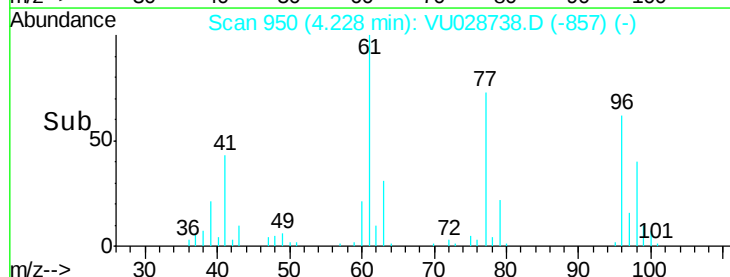
4000

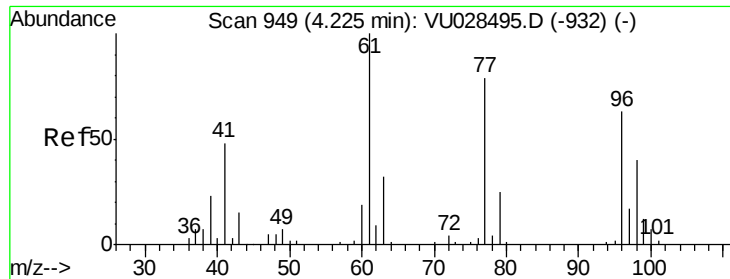
2000

0

Time-->

4.15 4.20 4.25 4.30





#27

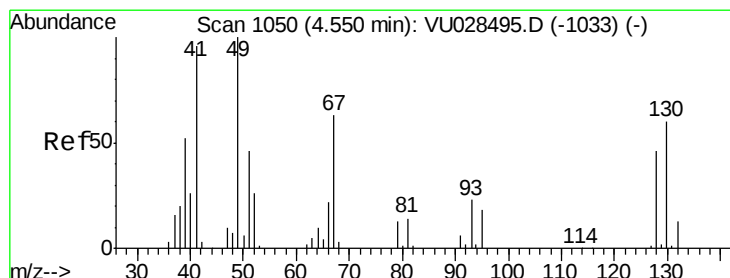
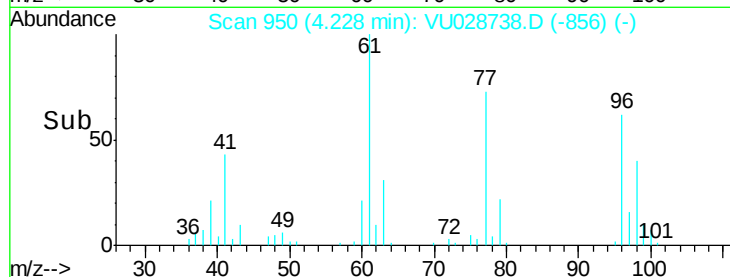
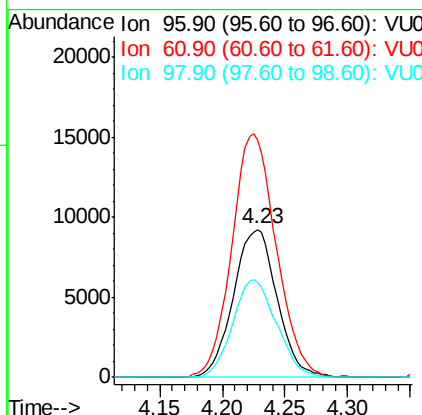
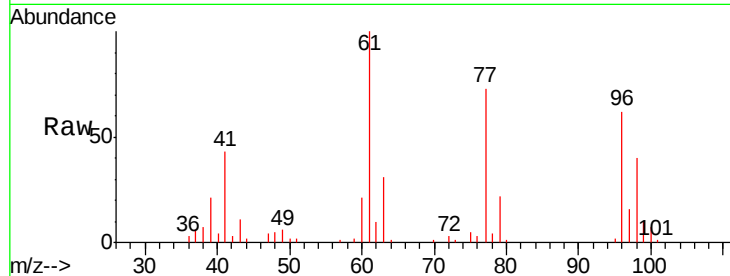
cis-1,2-Dichloroethene
 Concen: 21.009 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU028738.D
 Acq: 17 Dec 2018 23:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1217WBS02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.3	0.0	332.4
98	66.0	0.0	129.0

Manual Integrations
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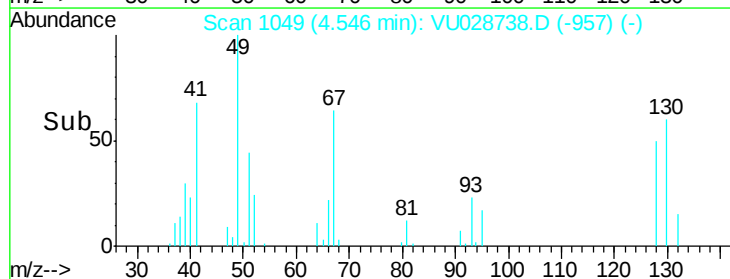
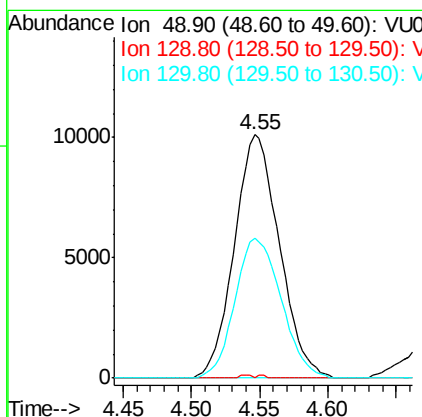
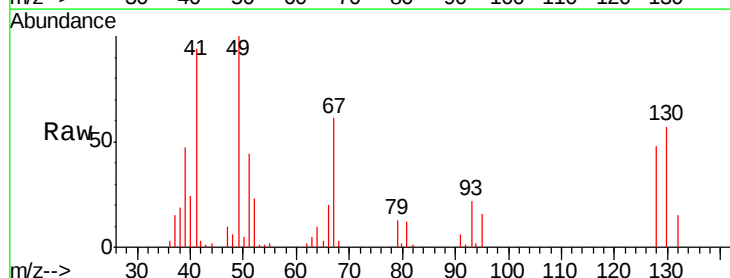
MMDadoda
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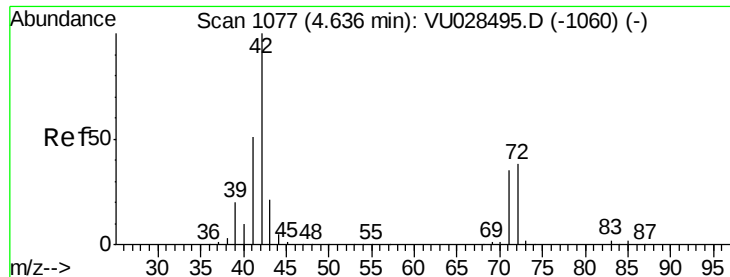


#28

Bromochloromethane
 Concen: 25.364 ug/l
 RT: 4.55 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU028738.D
 Acq: 17 Dec 2018 23:09

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.3	0.0	3.0
130	59.0	47.8	71.8





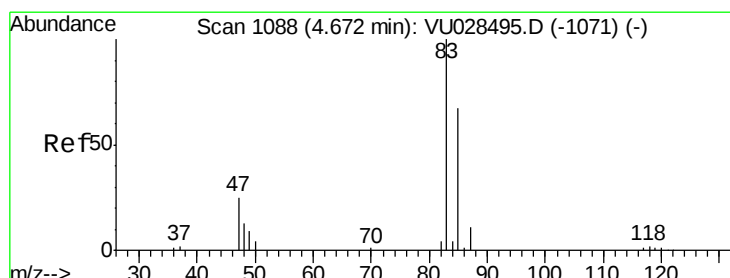
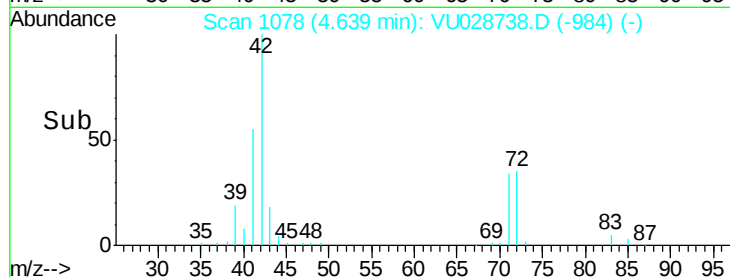
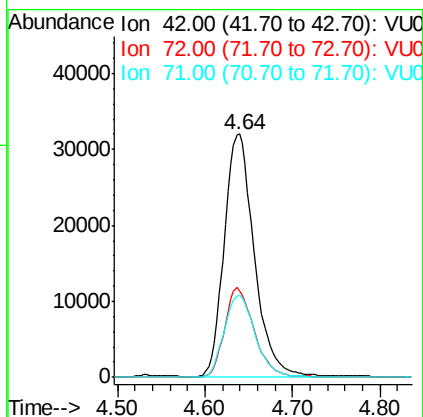
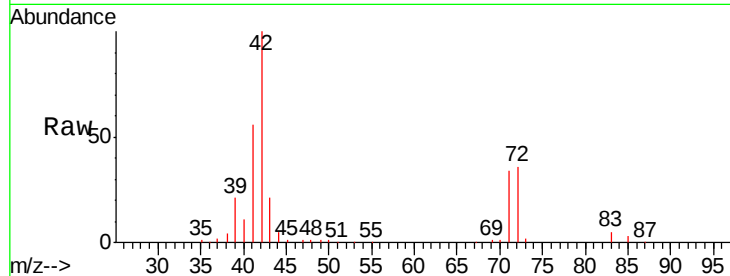
#29
Tetrahydrofuran
Concen: 117.402 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Instrument :
MSVOA_U
ClientSampleId :
VU1217WBS02

Tgt Ion	Ratio	Lower	Upper
42	100		
72	36.2	31.4	47.0
71	34.6	28.6	43.0

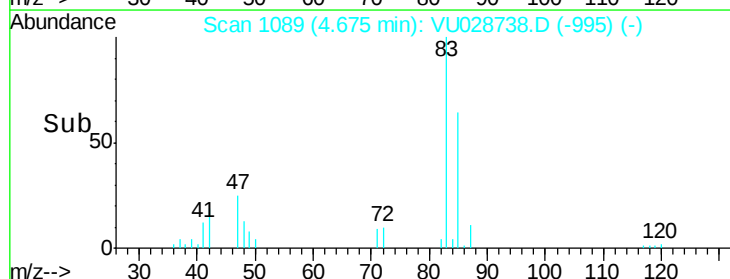
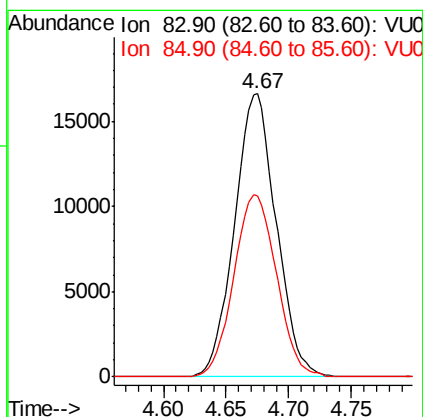
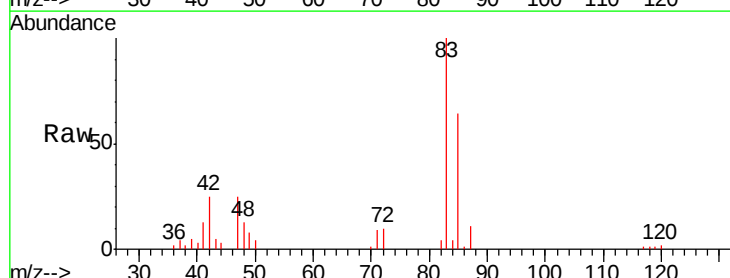
Manual Integrations
APPROVED

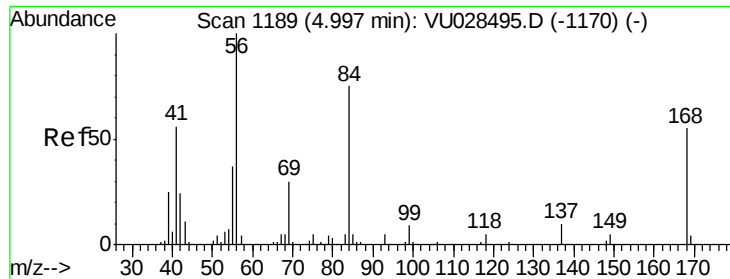
MMDadoda
12/18/2018 11:31:28 AM



#30
Chloroform
Concen: 21.928 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	53.6	80.4





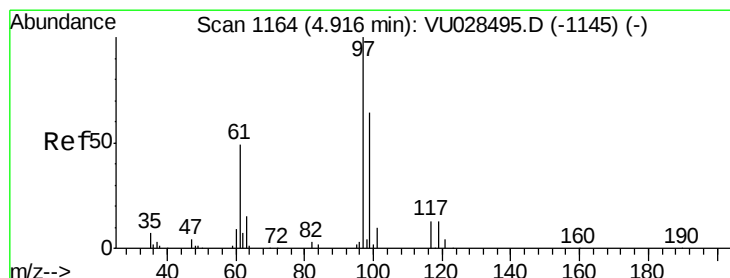
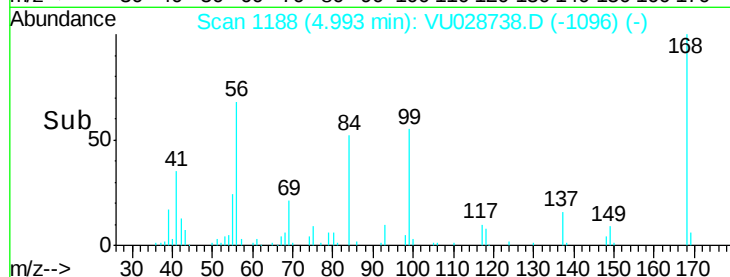
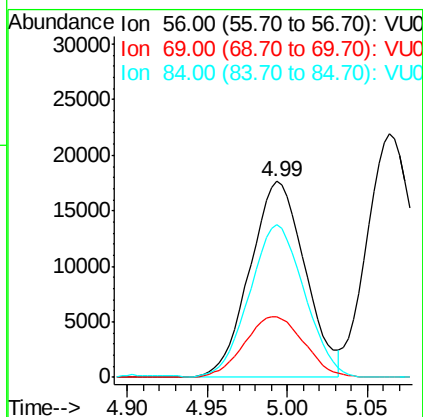
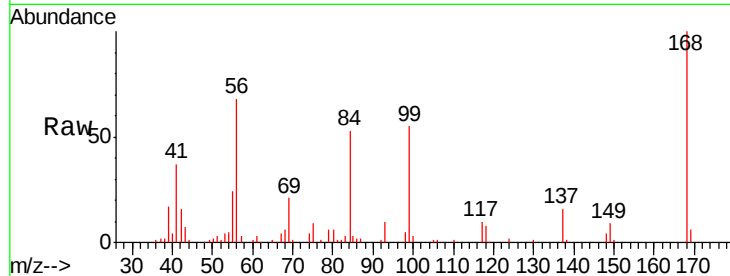
#31
Cyclohexane
Concen: 20.785 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Instrument :
MSVOA_U
ClientSampleId :
VU1217WBS02

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.7	24.0	36.0
84	78.1	59.7	89.5

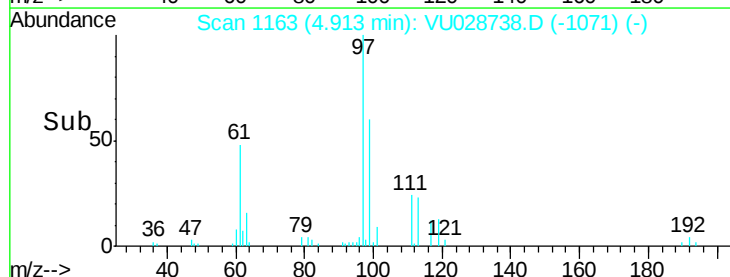
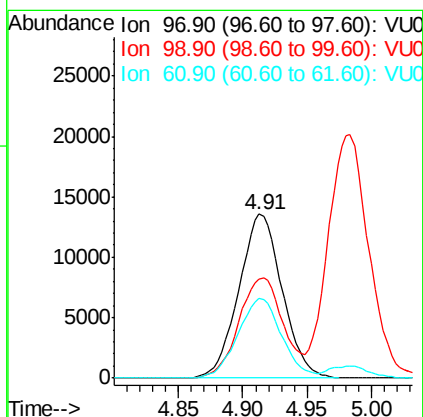
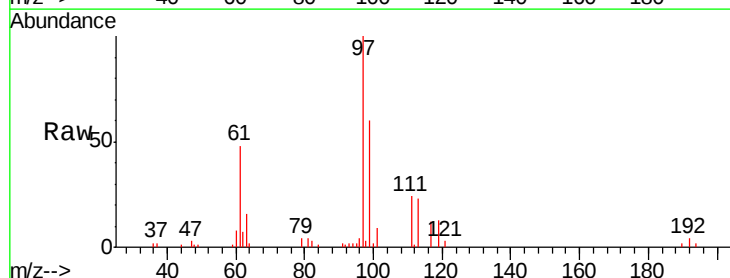
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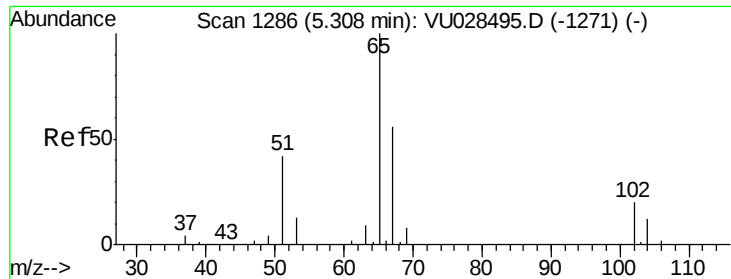
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#32
1,1,1-Trichloroethane
Concen: 21.800 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.9	52.3	78.5
61	49.1	39.0	58.6





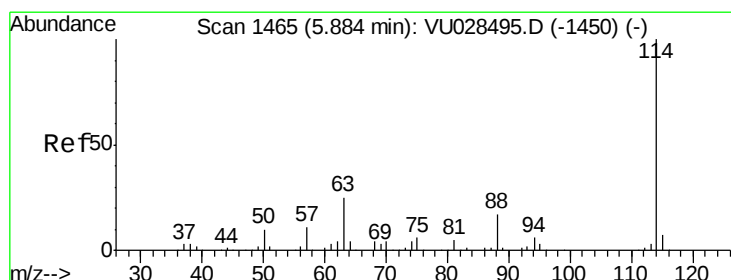
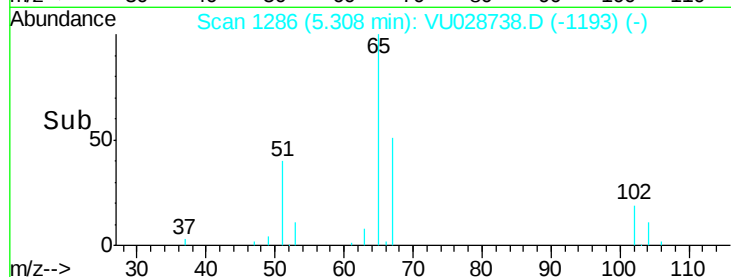
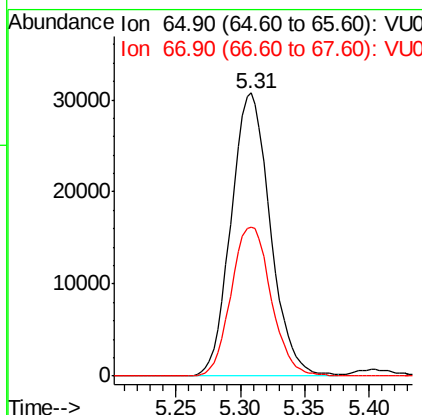
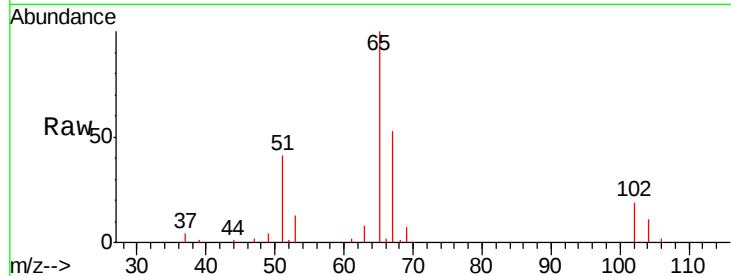
#33
 1,2-Dichloroethane-d4
 Concen: 56.781 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028738.D
 Acq: 17 Dec 2018 23:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1217WBS02

Tgt Ion: 65 Resp: 64957
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 110.6

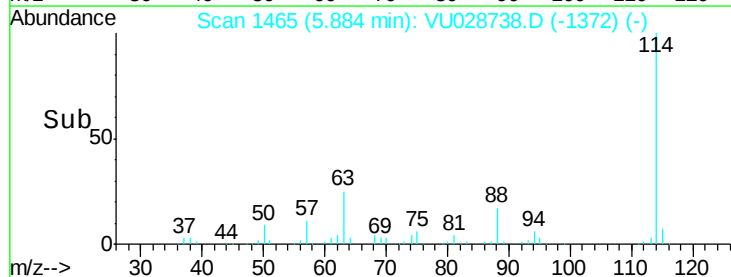
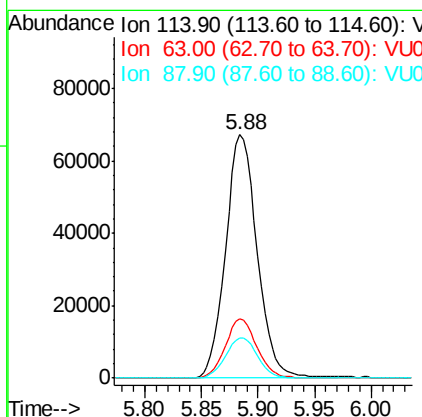
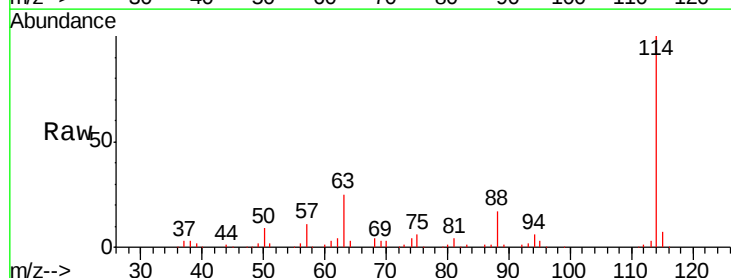
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028738.D
 Acq: 17 Dec 2018 23:09

Tgt Ion: 114 Resp: 130575
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 49.2
 88 16.6 0.0 33.4





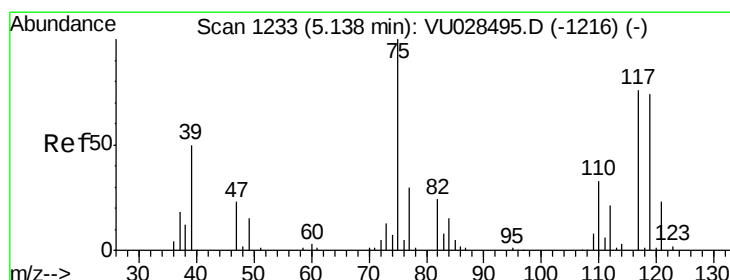
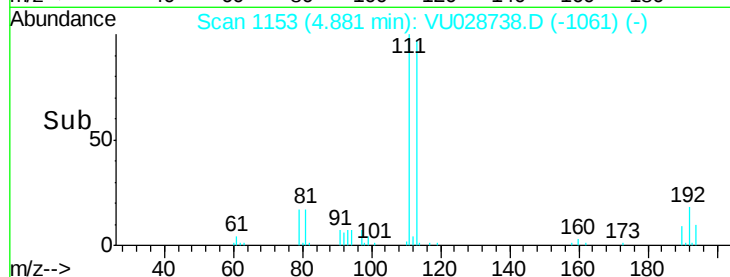
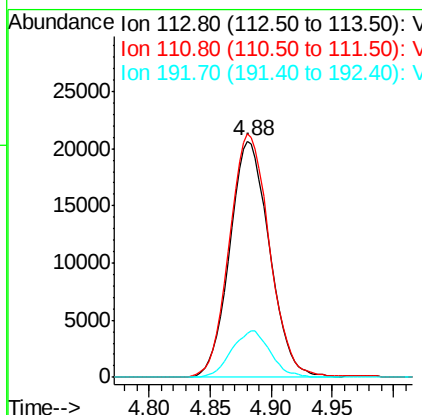
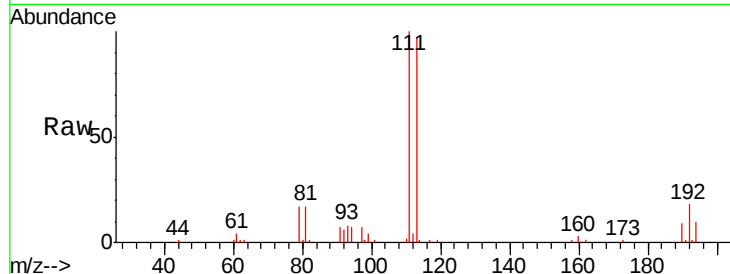
#35
 Dibromofluoromethane
 Concen: 56.808 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028738.D
 Acq: 17 Dec 2018 23:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1217WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	46680		
111	104.1		83.4	125.0
192	19.2		14.8	22.2

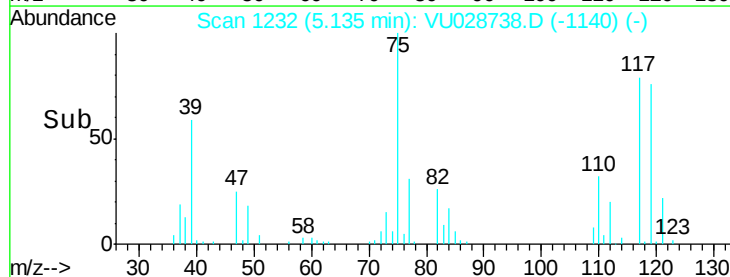
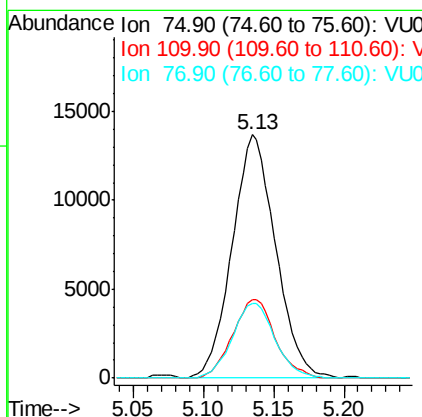
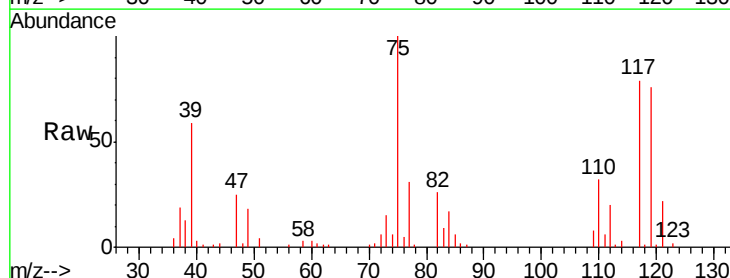
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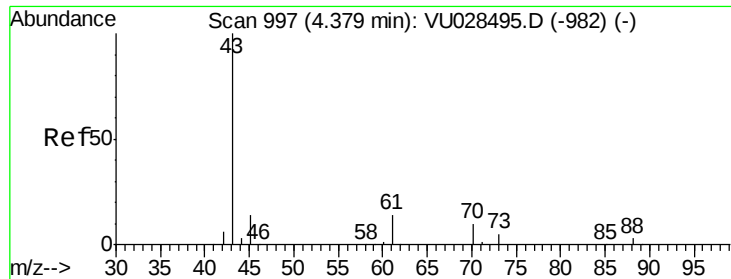
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#36
 1,1-Dichloropropene
 Concen: 20.664 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU028738.D
 Acq: 17 Dec 2018 23:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	29526		
110	31.5		16.1	48.2
77	30.2		24.5	36.7





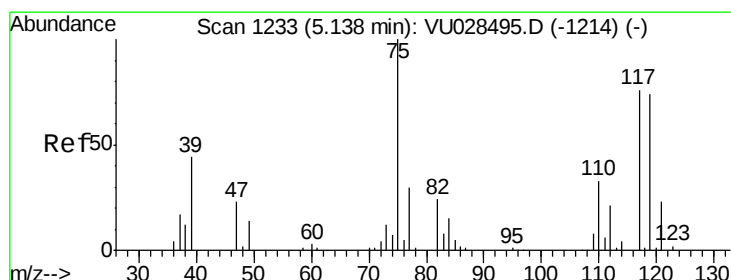
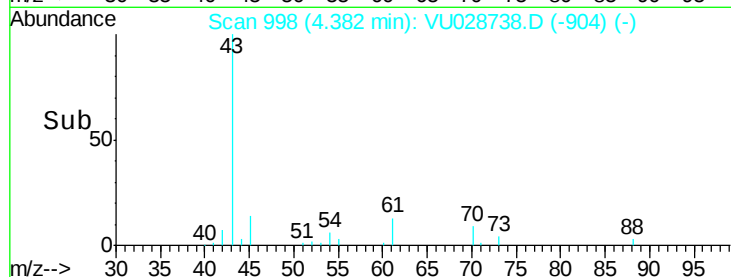
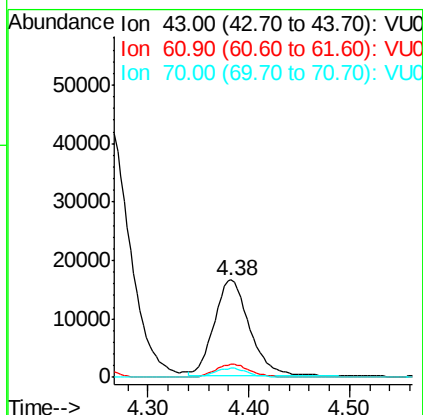
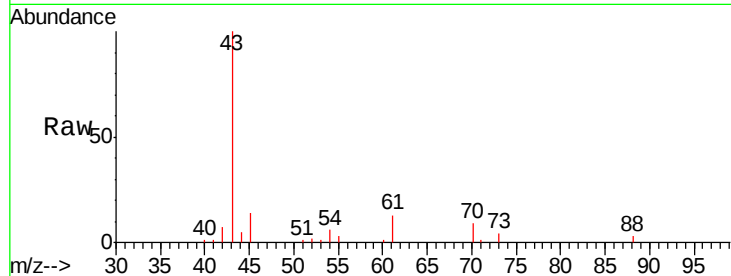
#37
Ethyl Acetate
Concen: 21.919 ug/l
RT: 4.38 min Scan# 998
Delta R.T. 0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Instrument :
MSVOA_U
ClientSampleId :
VU1217WBS02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.0	16.4
70	8.7	7.4	11.0

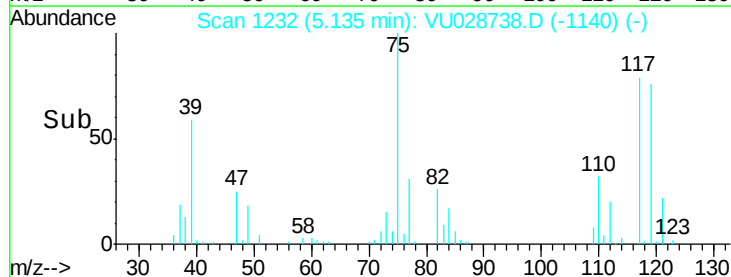
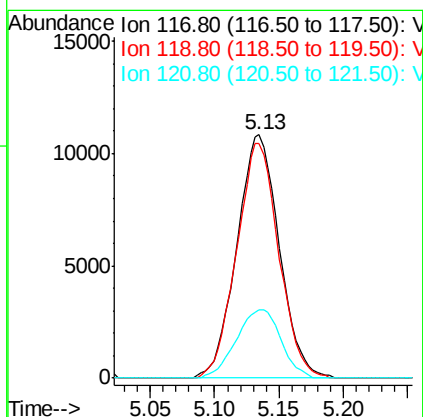
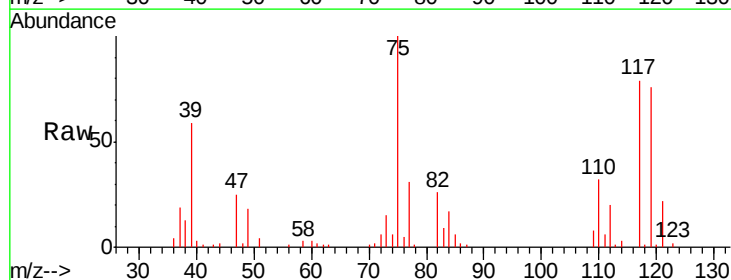
Manual Integrations
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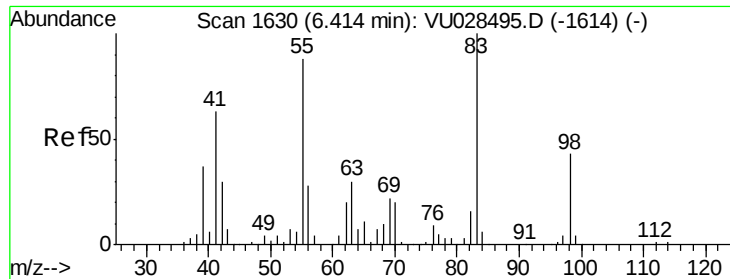
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#38
Carbon Tetrachloride
Concen: 21.547 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.6	116.4
121	27.9	24.6	36.8





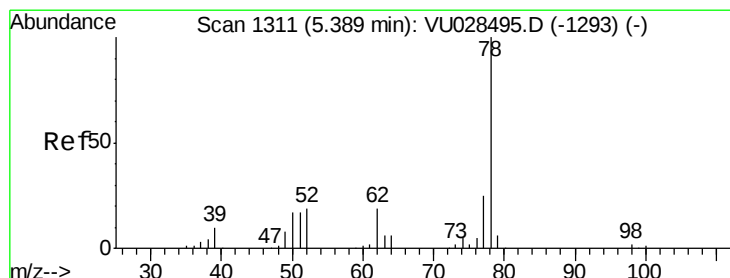
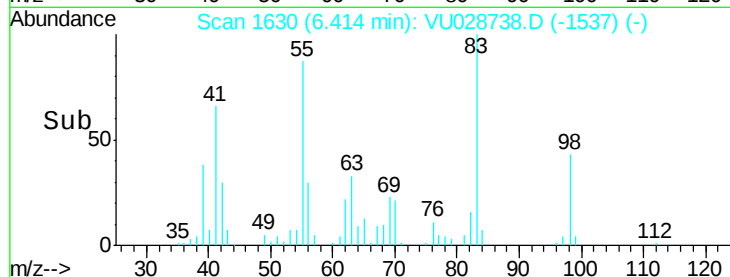
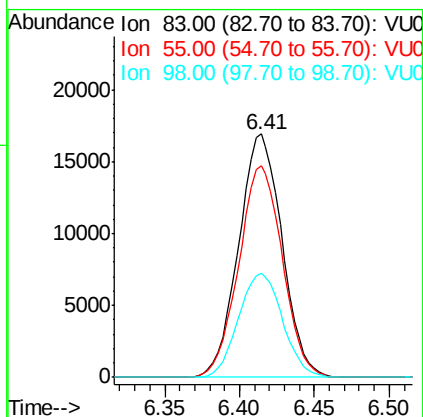
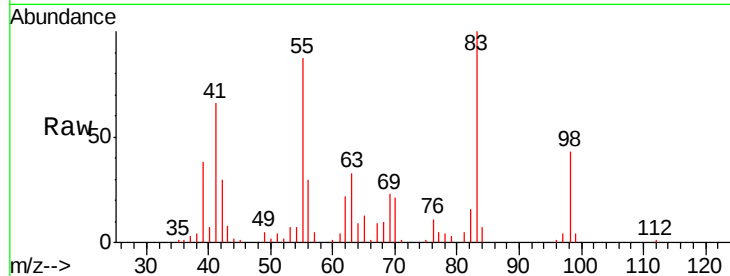
#39
Methylcyclohexane
Concen: 19.551 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Instrument :
MSVOA_U
ClientSampleId :
VU1217WBS02

Tgt Ion: 83 Resp: 34082
Ion Ratio Lower Upper
83 100
55 86.9 70.2 105.2
98 42.6 34.2 51.4

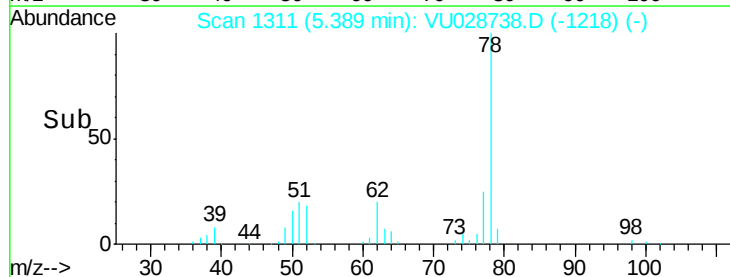
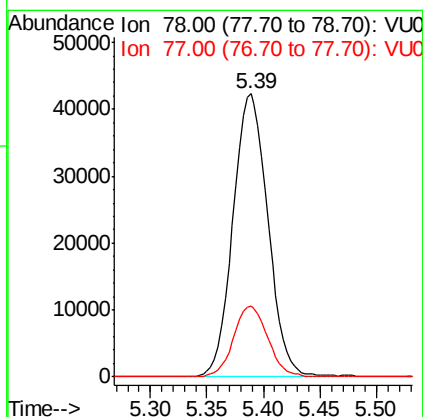
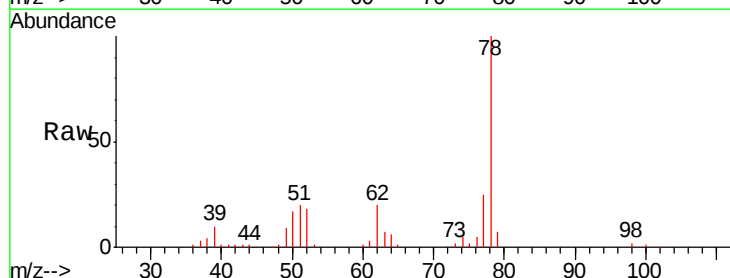
Manual Integrations
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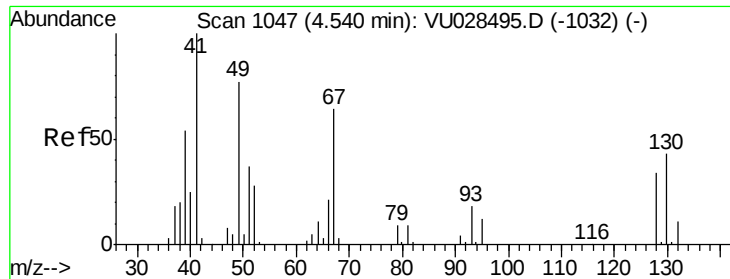
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#40
Benzene
Concen: 21.643 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Tgt Ion: 78 Resp: 91080
Ion Ratio Lower Upper
78 100
77 24.9 19.9 29.9





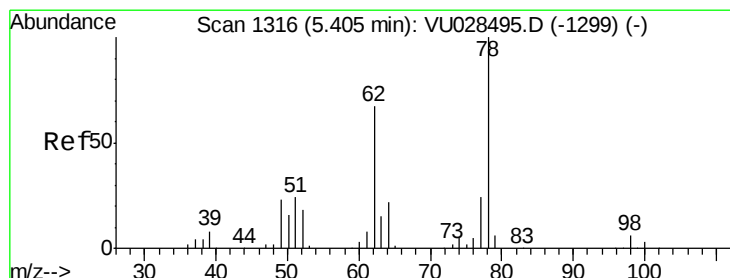
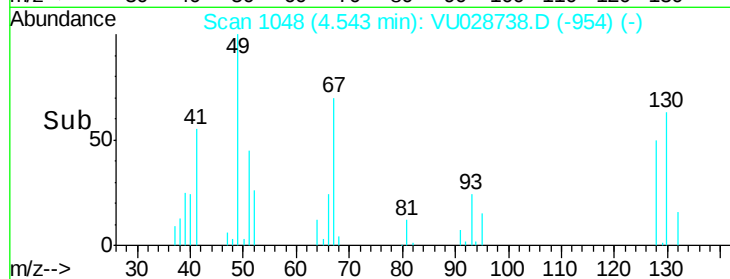
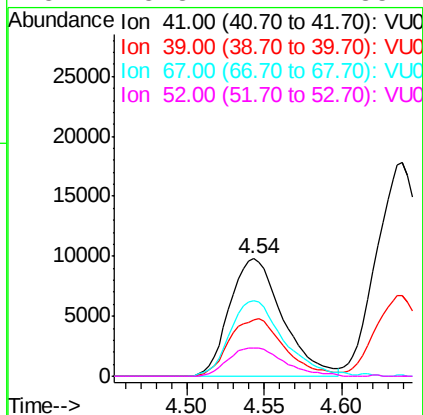
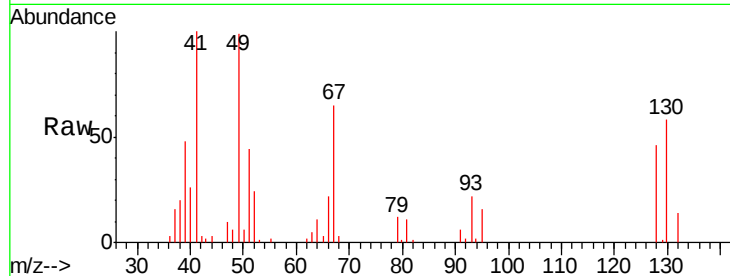
#41
Methacrylonitrile
Concen: 23.117 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Instrument :
MSVOA_U
ClientSampleId :
VU1217WBS02

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.1	43.3	64.9	
67	64.9	53.6	80.4	
52	25.3	22.1	33.1	

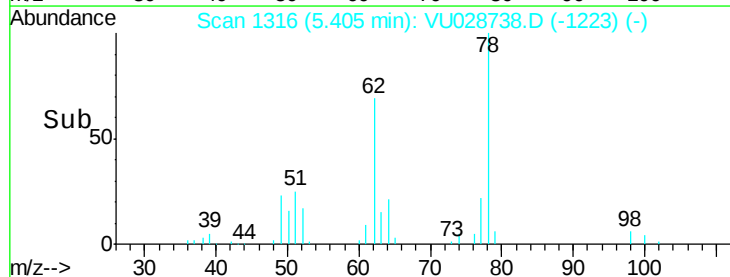
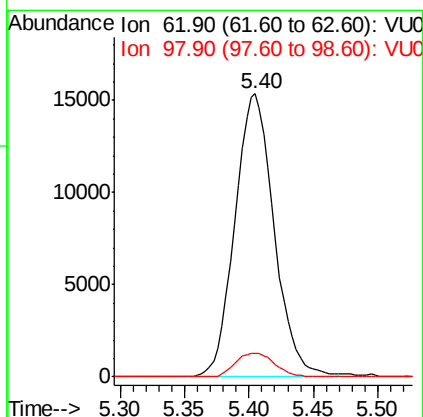
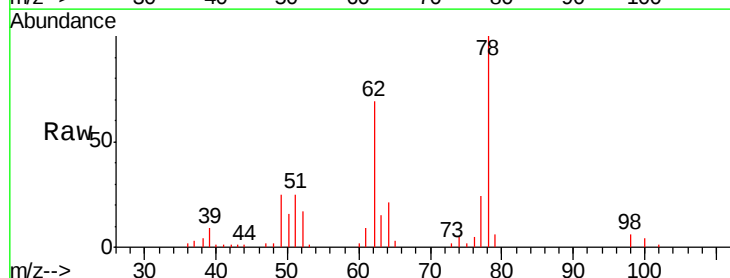
Manual Integrations
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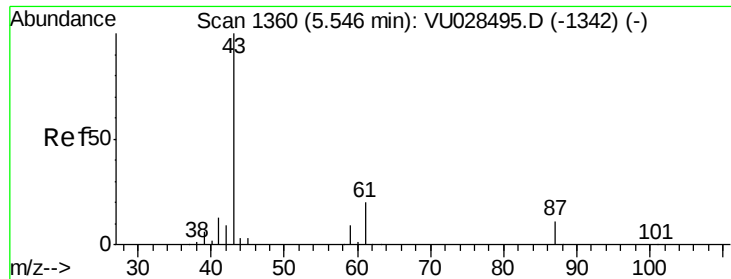
MMDadoda
12/18/2018 11:31:28 AM



#42
1,2-Dichloroethane
Concen: 22.089 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.4	0.0	17.2	





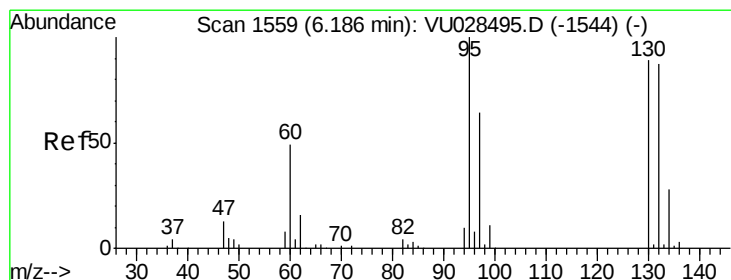
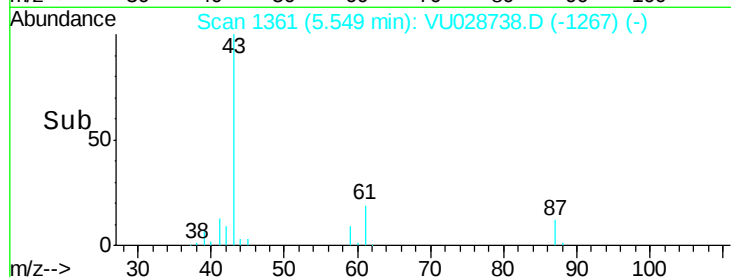
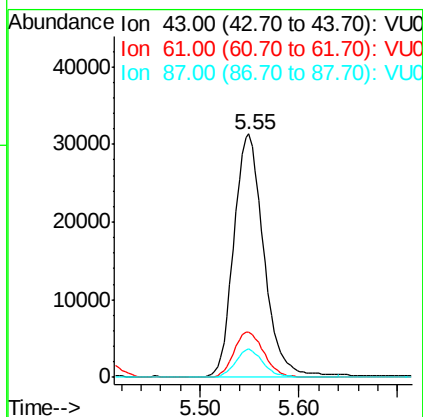
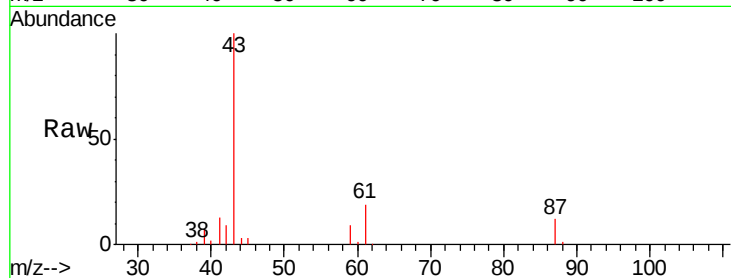
#43
Isopropyl Acetate
Concen: 22.643 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. 0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Instrument :
MSVOA_U
ClientSampleId :
VU1217WBS02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	18.7	15.5	23.3
87	10.5	8.7	13.1

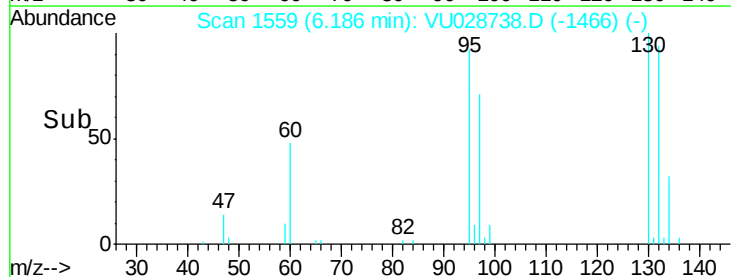
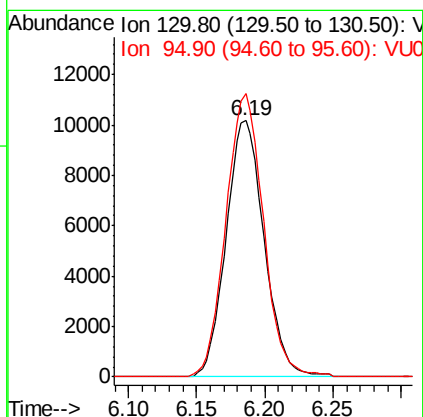
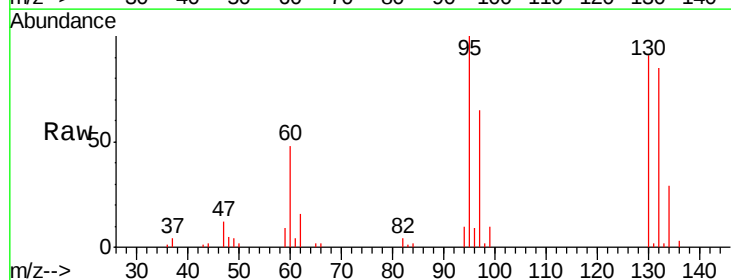
Manual Integrations
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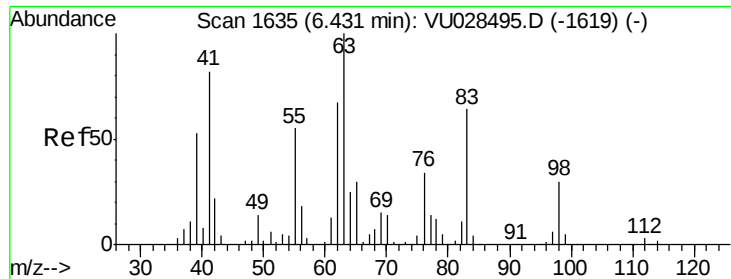
MMDadoda
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#44
Trichloroethene
Concen: 21.077 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	110.4	0.0	224.0





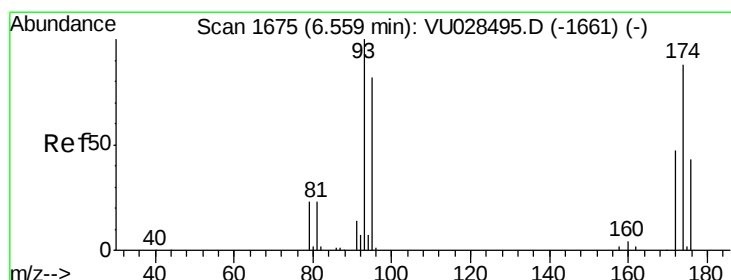
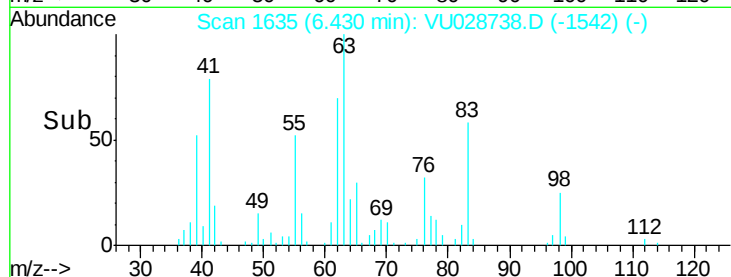
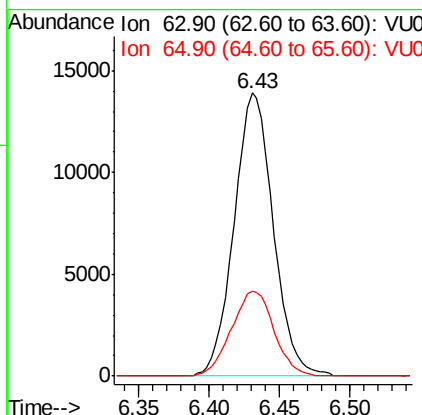
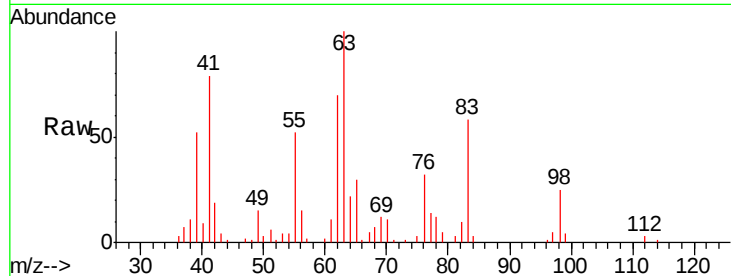
#45
 1,2-Dichloropropane
 Concen: 22.828 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VU028738.D
 Acq: 17 Dec 2018 23:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1217WBS02

Tgt Ion: 63 Resp: 27015
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.2 36.4

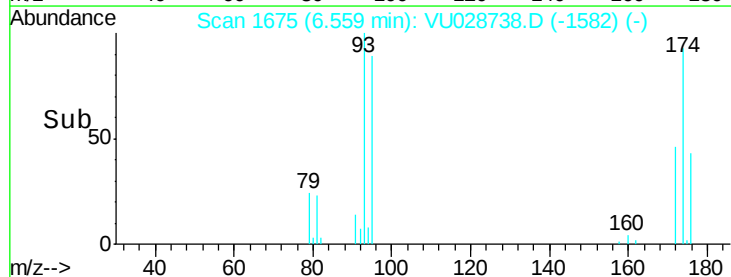
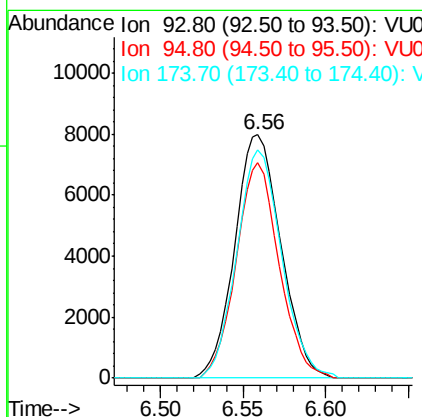
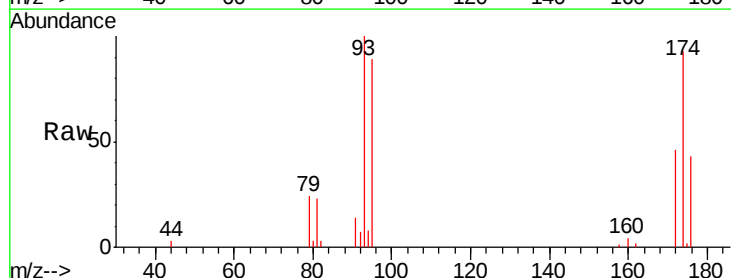
Manual Integrations
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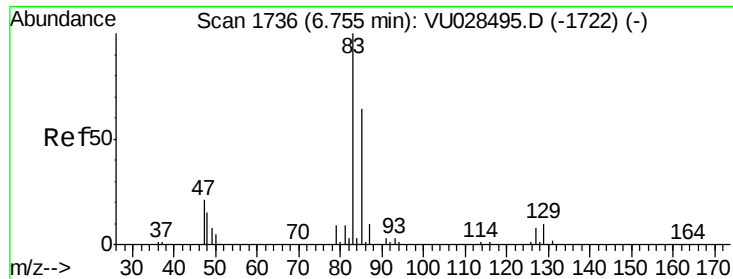
MMDadoda
 12/18/2018 11:31:28 AM



#46
 Dibromomethane
 Concen: 21.981 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU028738.D
 Acq: 17 Dec 2018 23:09

Tgt Ion: 93 Resp: 15434
 Ion Ratio Lower Upper
 93 100
 95 82.6 65.4 98.2
 174 91.1 72.2 108.4





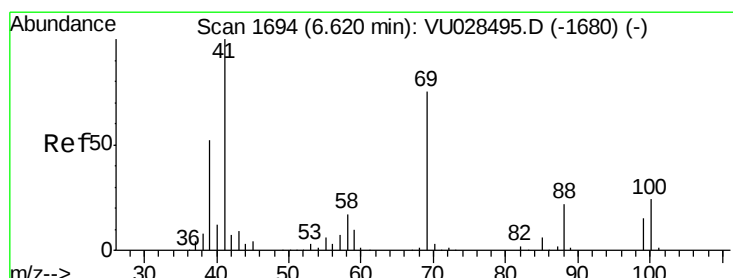
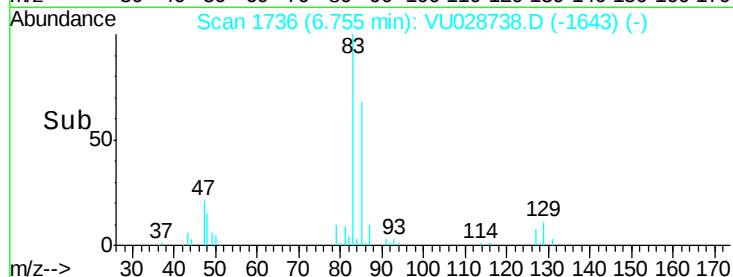
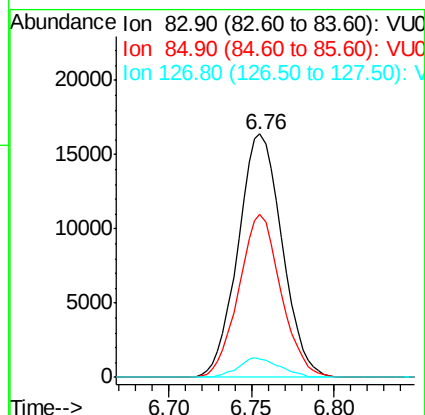
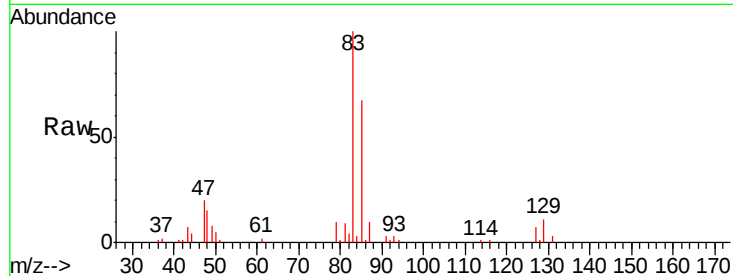
#47
Bromodichloromethane
Concen: 22.144 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Instrument :
MSVOA_U
ClientSampleId :
VU1217WBS02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.1	51.5	77.3
127	7.5	6.2	9.4

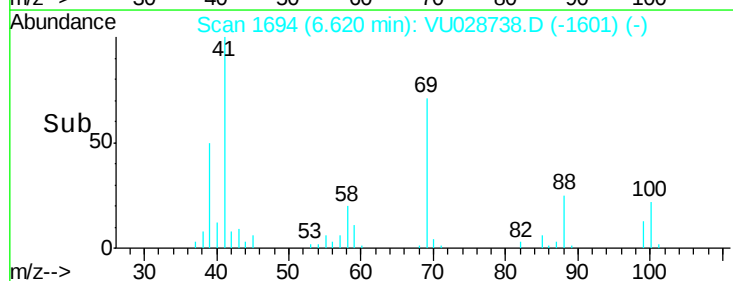
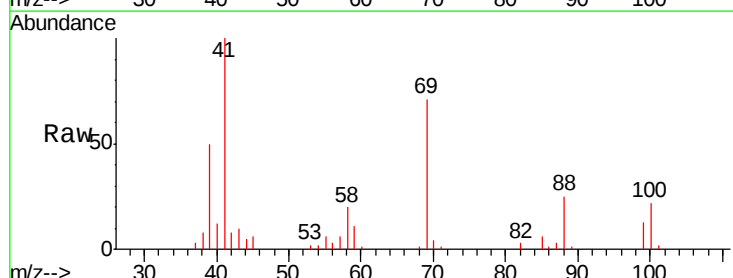
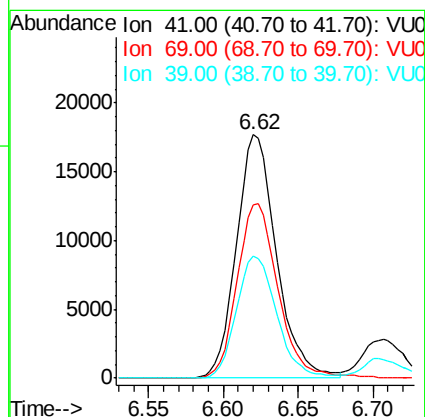
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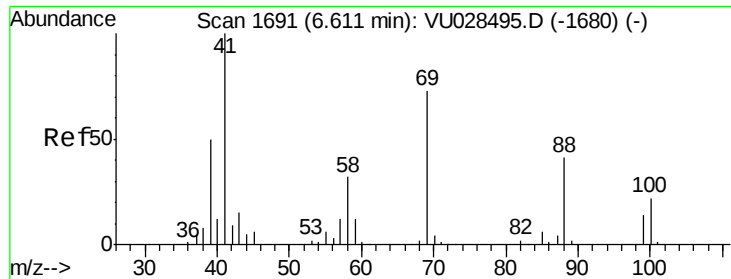
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#48
Methyl methacrylate
Concen: 22.757 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Tgt Ion	Ratio	Lower	Upper
41	100		
69	72.3	60.4	90.6
39	50.3	41.1	61.7





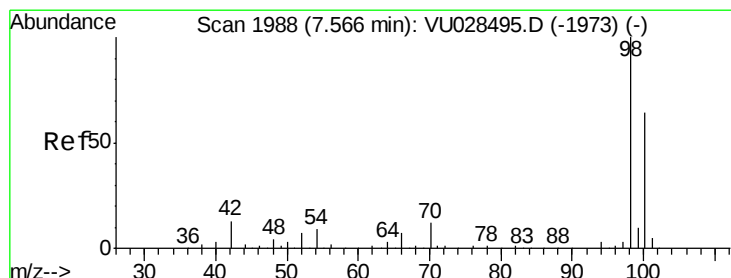
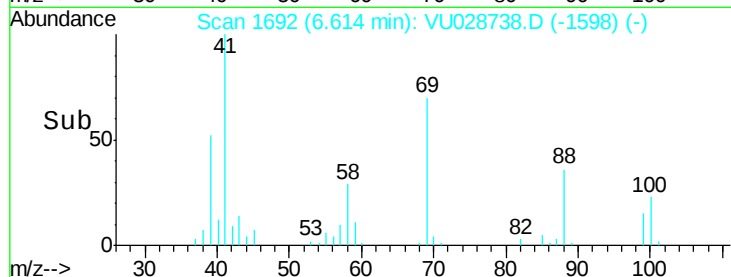
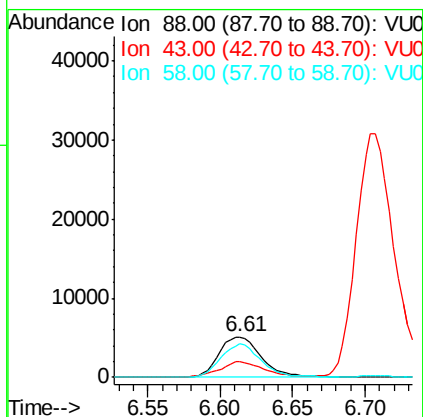
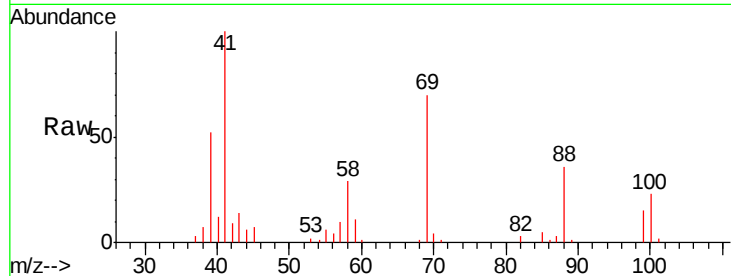
#49
1,4-Dioxane
Concen: 447.108 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Instrument :
MSVOA_U
ClientSampleId :
VU1217WBS02

Tgt Ion	Ratio	Lower	Upper
88	100		
43	42.7	30.9	46.3
58	79.8	62.4	93.6

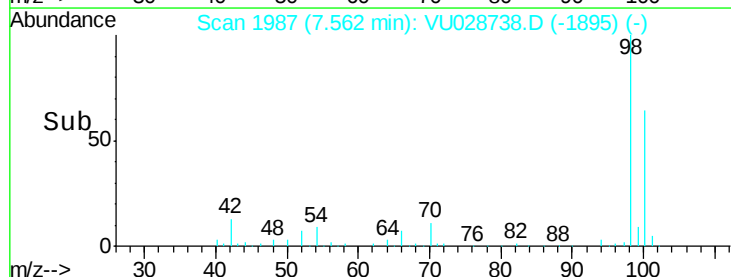
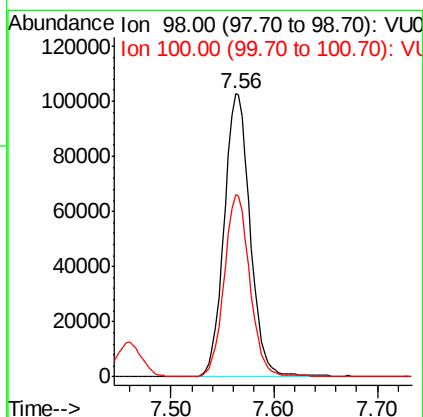
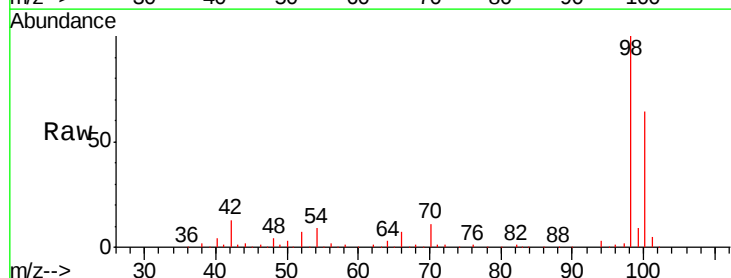
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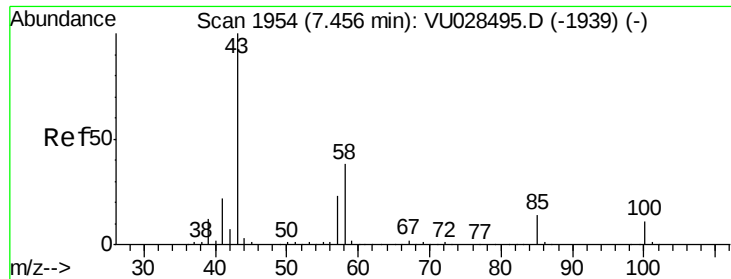
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#50
Toluene-d8
Concen: 55.559 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.0	51.0	76.6





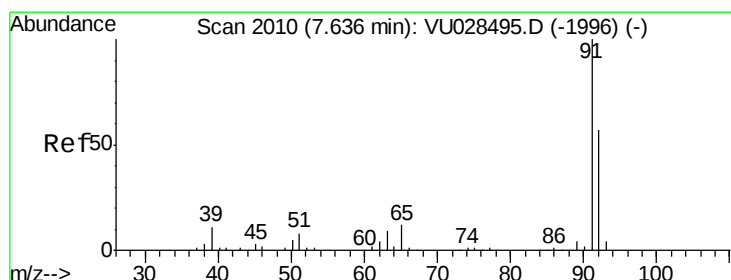
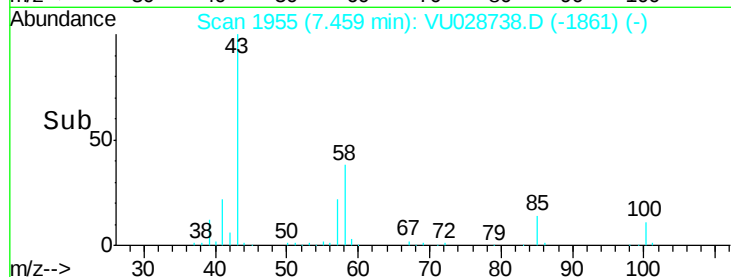
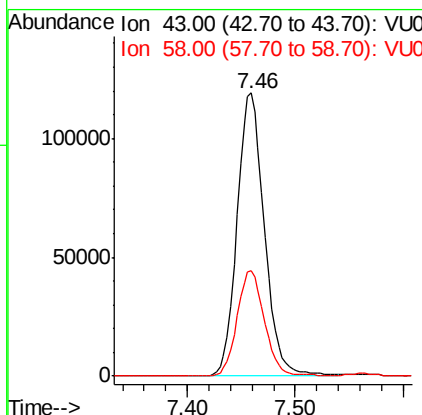
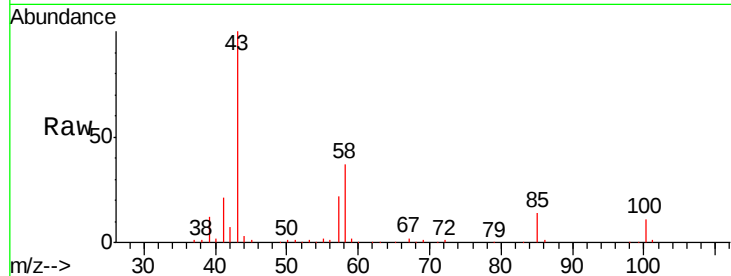
#51
4-Methyl-2-Pentanone
Concen: 114.308 ug/l
RT: 7.46 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Instrument :
MSVOA_U
ClientSampleId :
VU1217WBS02

Tgt Ion: 43 Resp: 210631
Ion Ratio Lower Upper
43 100
58 37.3 30.2 45.2

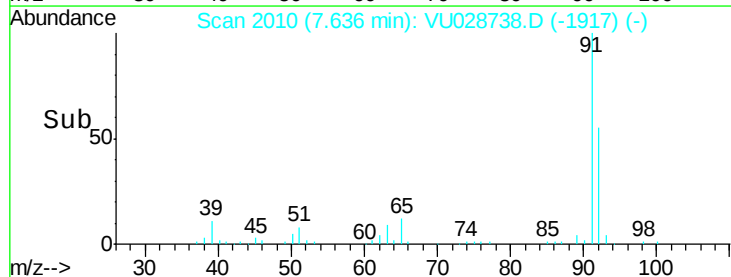
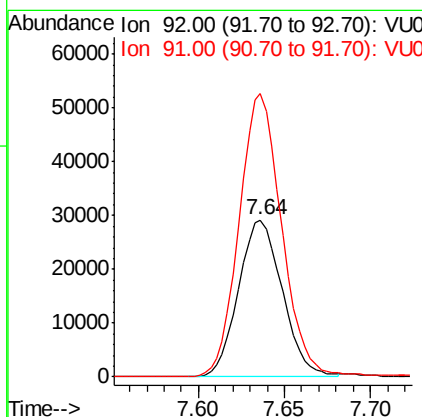
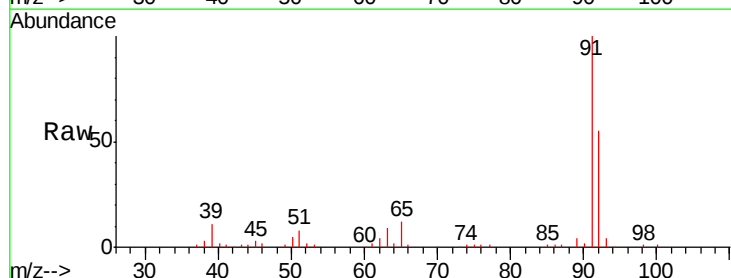
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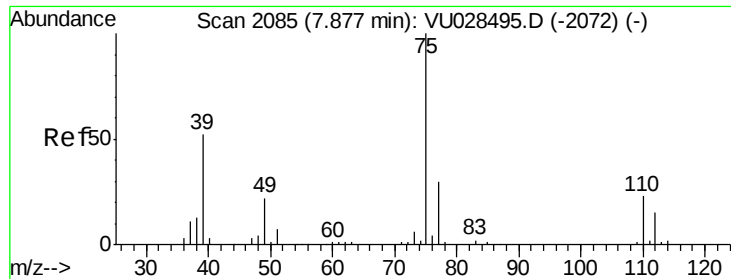
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#52
Toluene
Concen: 20.860 ug/l
RT: 7.64 min Scan# 2010
Delta R.T. -0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Tgt Ion: 92 Resp: 51663
Ion Ratio Lower Upper
92 100
91 175.5 140.2 210.4





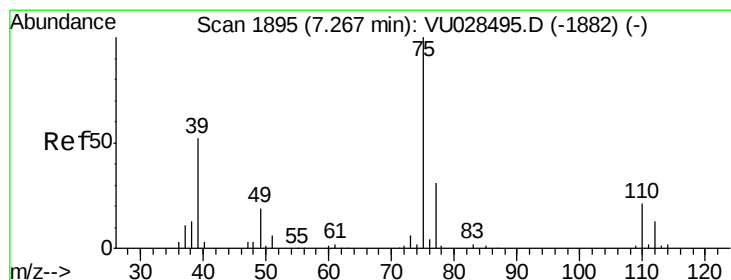
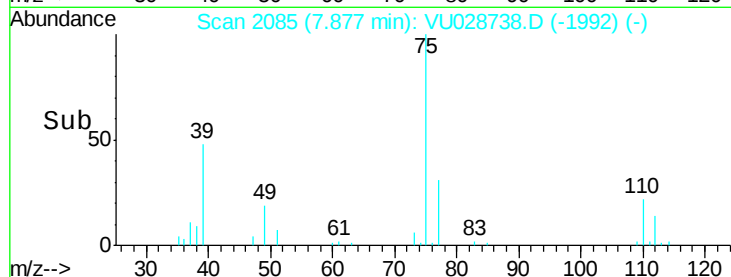
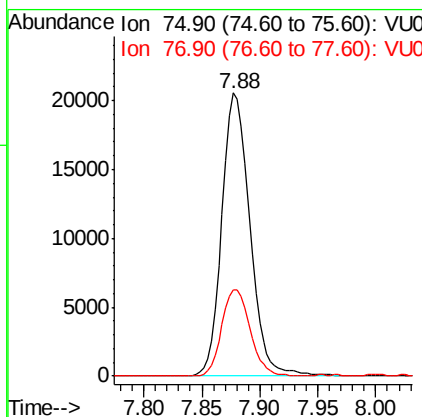
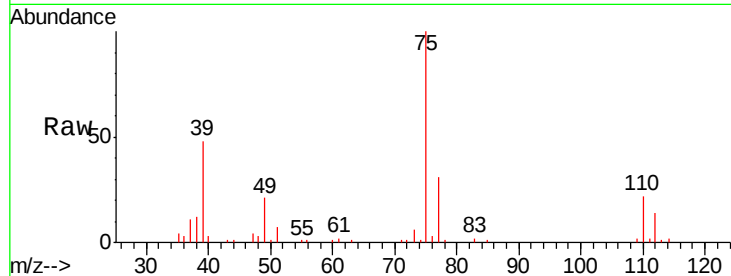
#53
t-1,3-Dichloropropene
Concen: 21.257 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. -0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Instrument :
MSVOA_U
ClientSampleId :
VU1217WBS02

Tgt Ion: 75 Resp: 34592
Ion Ratio Lower Upper
75 100
77 30.6 24.2 36.4

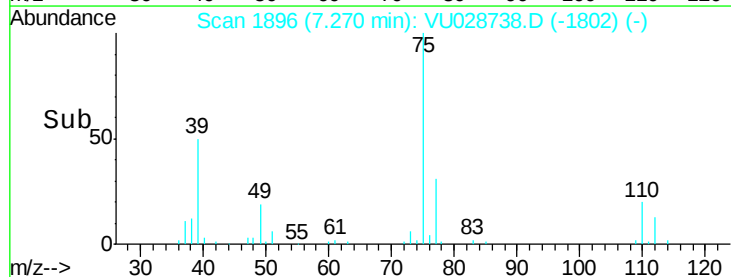
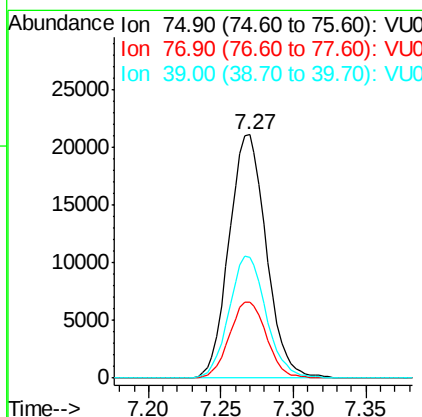
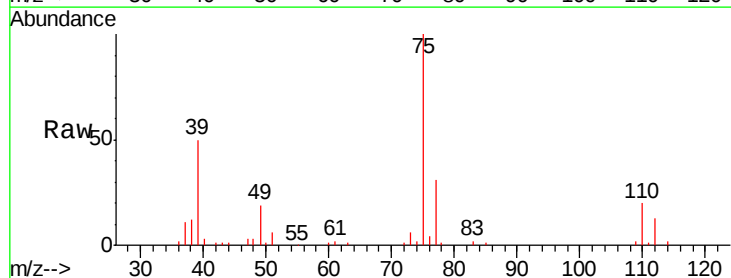
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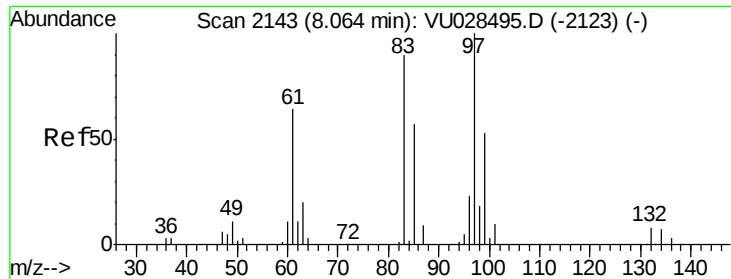
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#54
cis-1,3-Dichloropropene
Concen: 21.269 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Tgt Ion: 75 Resp: 37551
Ion Ratio Lower Upper
75 100
77 31.3 25.0 37.4
39 49.7 41.3 61.9





#55

1,1,2-Trichloroethane

Concen: 22.251 ug/l

RT: 8.07 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

Instrument :

MSVOA_U

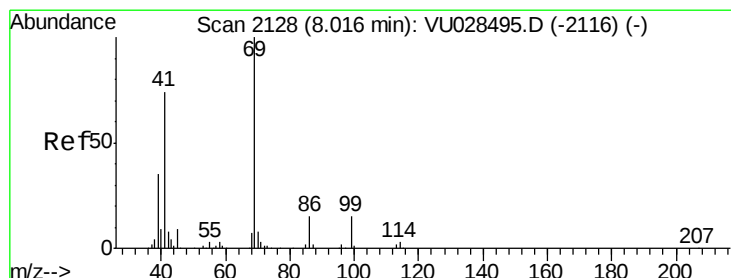
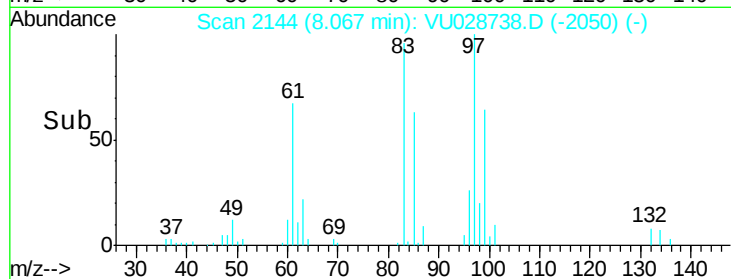
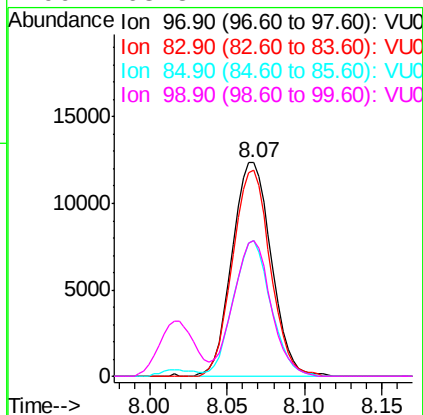
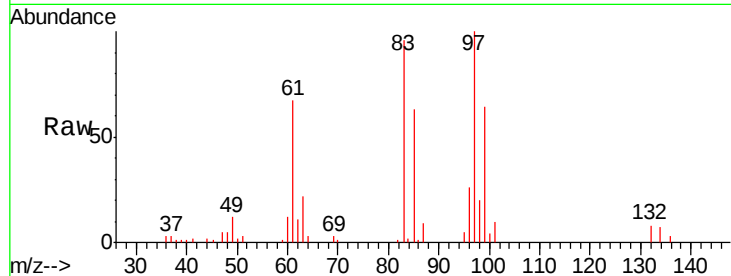
ClientSampleId :

VU1217WBS02

Tgt Ion:	97	Resp:	21784
Ion	Ratio	Lower	Upper
97	100		
83	96.4	72.4	108.6
85	63.3	46.0	69.0
99	63.8	47.4	71.2

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#56

Ethyl methacrylate

Concen: 21.105 ug/l

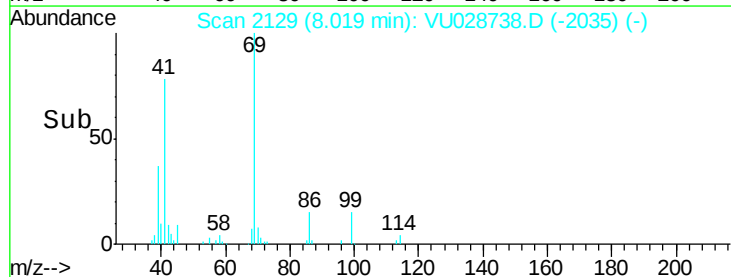
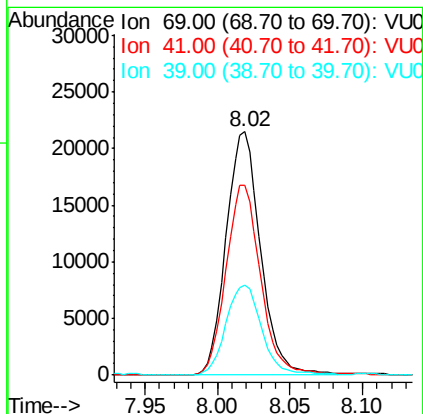
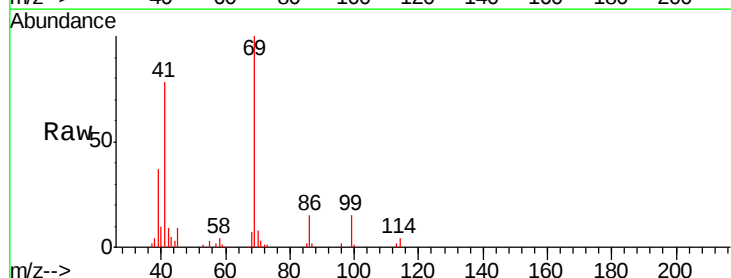
RT: 8.02 min Scan# 2129

Delta R.T. 0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

Tgt Ion:	69	Resp:	35383
Ion	Ratio	Lower	Upper
69	100		
41	78.2	59.1	88.7
39	38.4	28.4	42.6





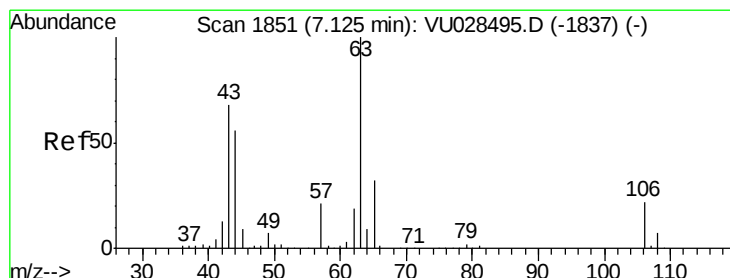
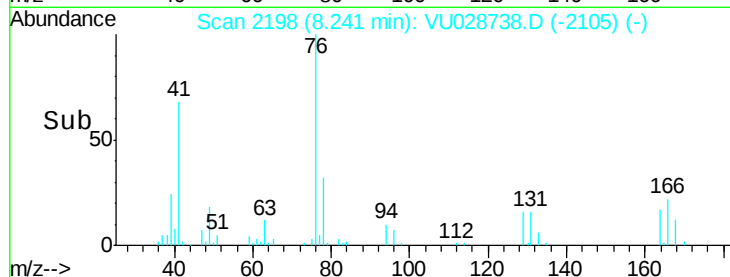
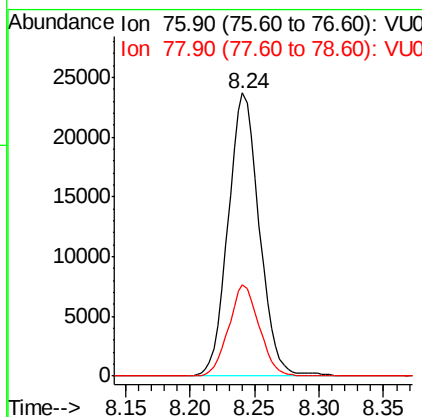
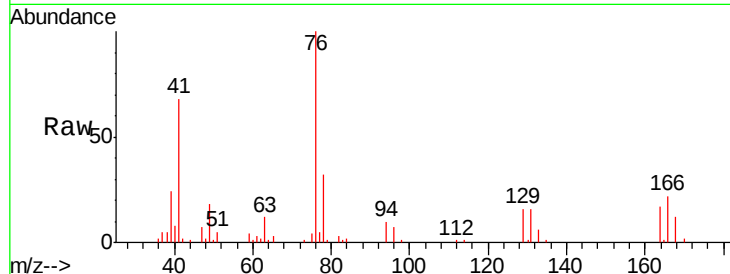
#57
 1,3-Dichloropropane
 Concen: 21.881 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU028738.D
 Acq: 17 Dec 2018 23:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1217WBS02

Tgt Ion: 76 Resp: 39766
 Ion Ratio Lower Upper
 76 100
 78 31.4 25.2 37.8

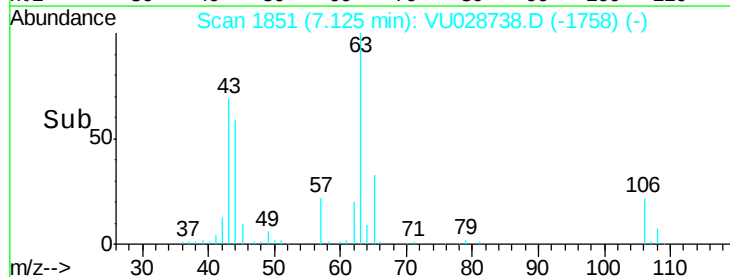
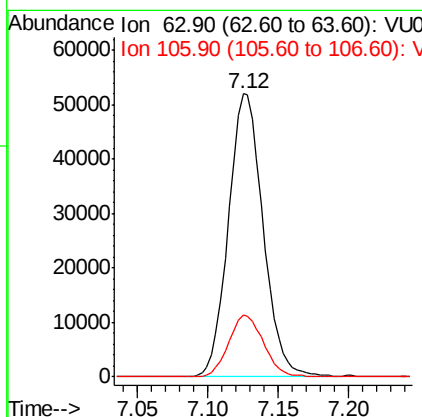
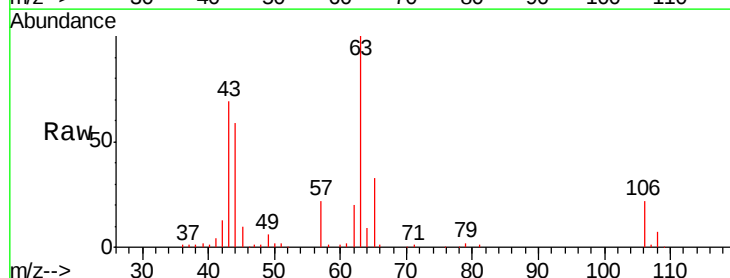
Manual Integrations
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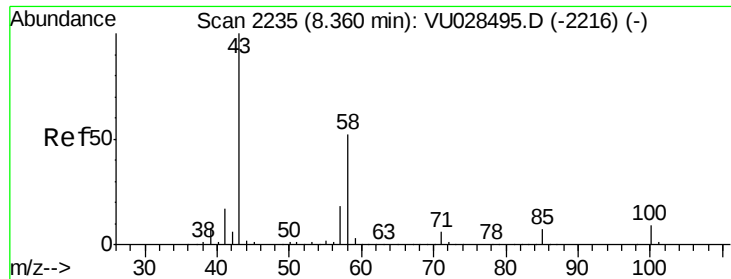
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 12/18/2018 11:31:28 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.527 ug/l
 RT: 7.12 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VU028738.D
 Acq: 17 Dec 2018 23:09

Tgt Ion: 63 Resp: 89759
 Ion Ratio Lower Upper
 63 100
 106 21.8 17.8 26.6





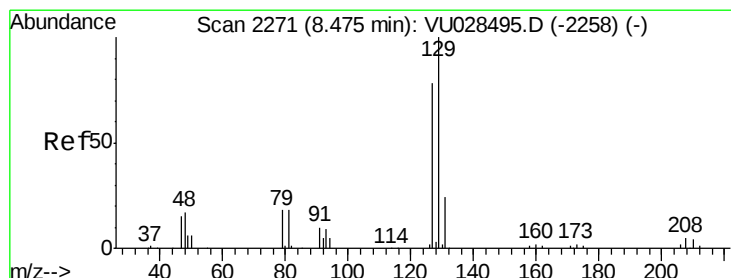
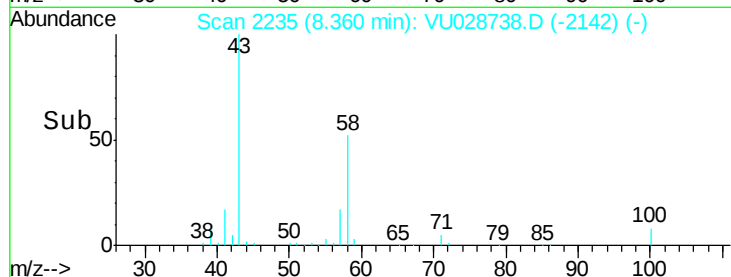
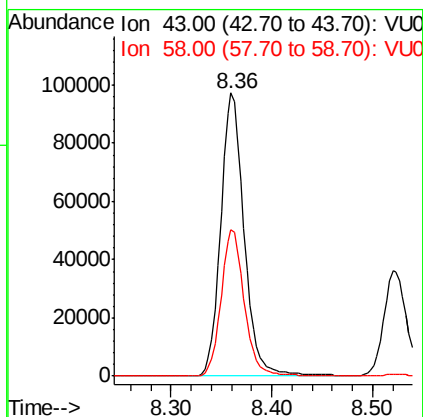
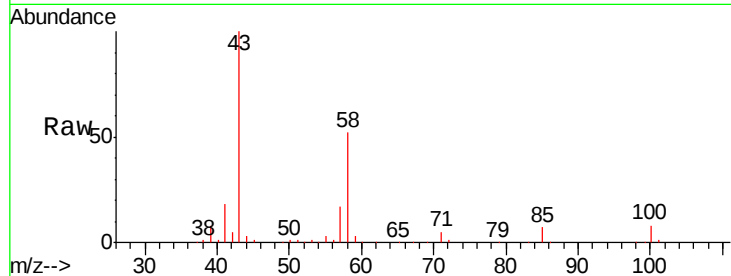
#59
2-Hexanone
Concen: 108.178 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Instrument :
MSVOA_U
ClientSampleId :
VU1217WBS02

Tgt Ion: 43 Resp: 157994
Ion Ratio Lower Upper
43 100
58 51.1 25.9 77.6

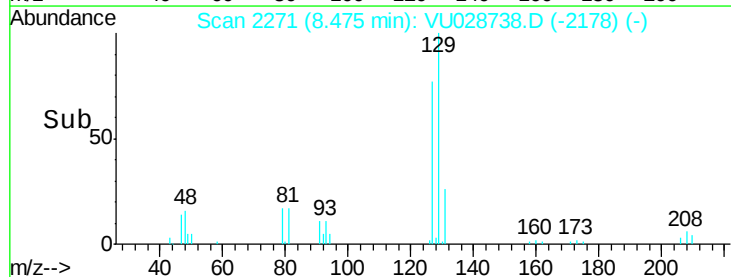
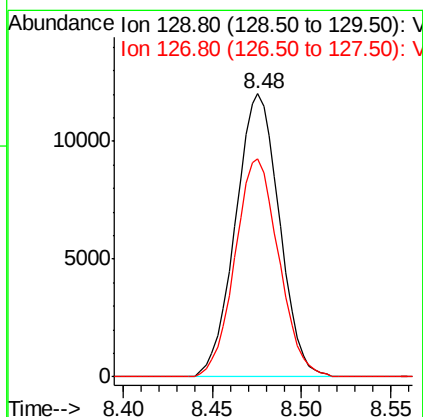
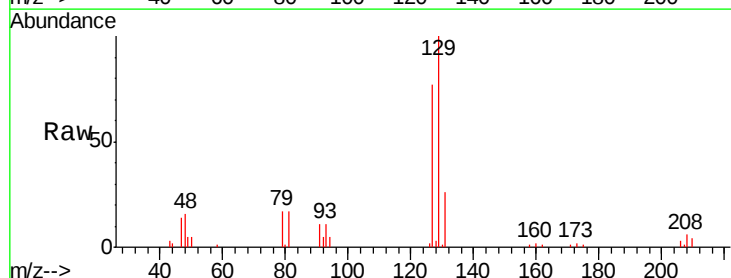
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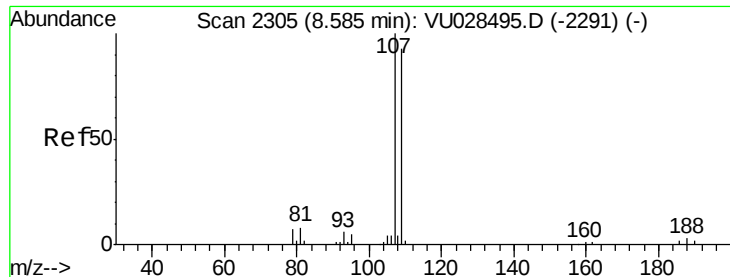
MMDadoda
12/18/2018 11:31:28 AM



#60
Dibromochloromethane
Concen: 21.535 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Tgt Ion: 129 Resp: 20642
Ion Ratio Lower Upper
129 100
127 77.0 39.1 117.3





#61

1,2-Dibromoethane

Concen: 21.707 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

Instrument :

MSVOA_U

ClientSampleId :

VU1217WBS02

Tgt Ion: 107 Resp: 22286

Ion Ratio Lower Upper

107 100

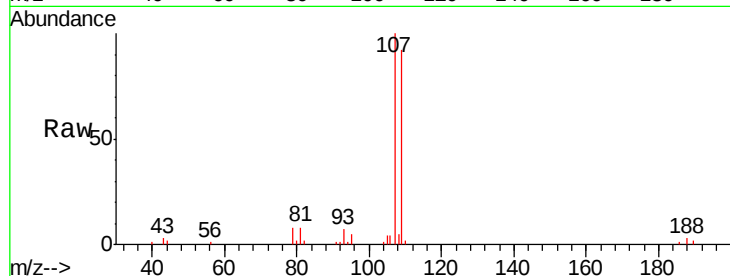
109 94.7 74.5 111.7

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.58

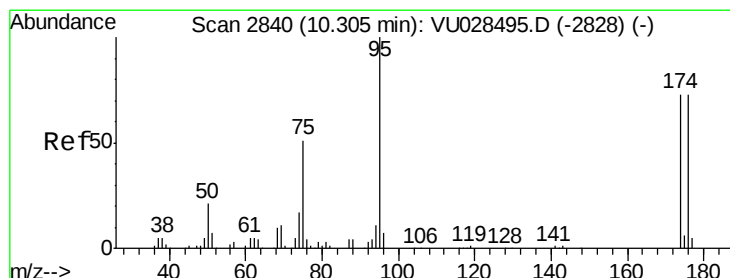
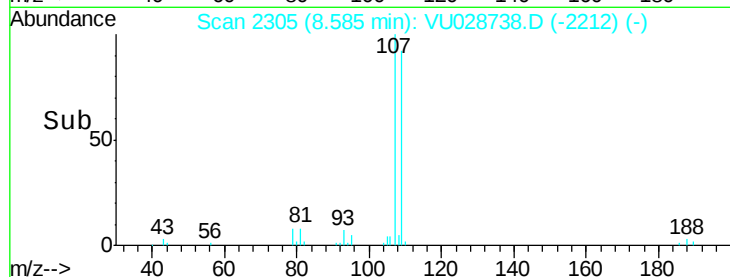
15000

10000

5000

0

Time--> 8.50 8.55 8.60 8.65



#62

4-Bromofluorobenzene

Concen: 52.372 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

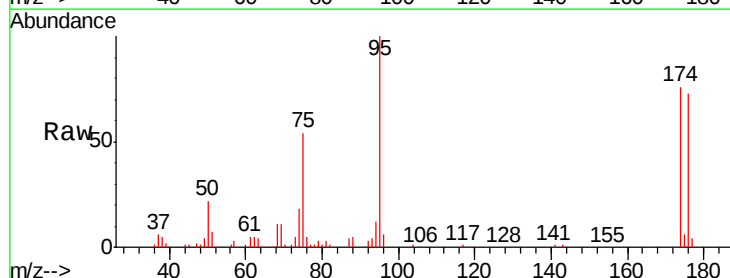
Tgt Ion: 95 Resp: 63629

Ion Ratio Lower Upper

95 100

174 76.7 0.0 150.4

176 73.5 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

10.30

50000

40000

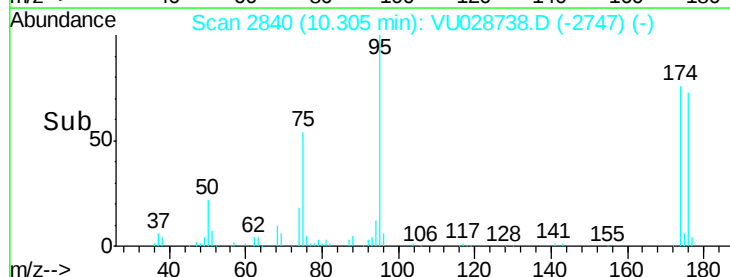
30000

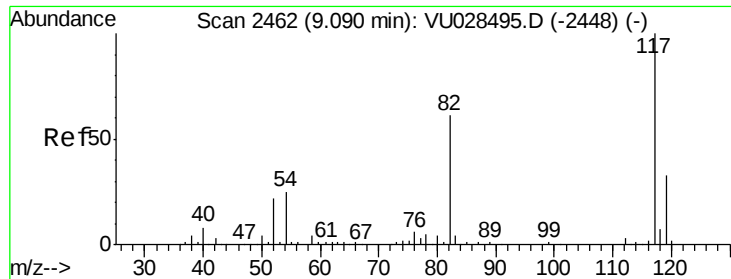
20000

10000

0

Time--> 10.25 10.30 10.35 10.40





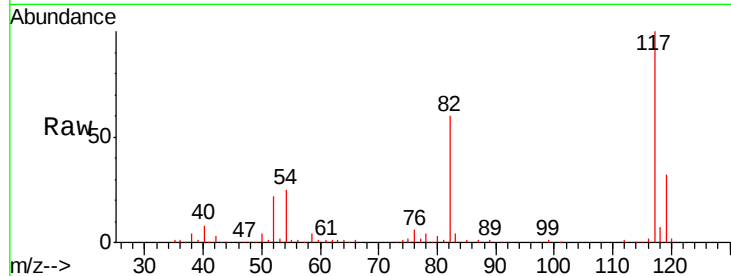
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. -0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Instrument :
MSVOA_U
ClientSampleId :
VU1217WBS02

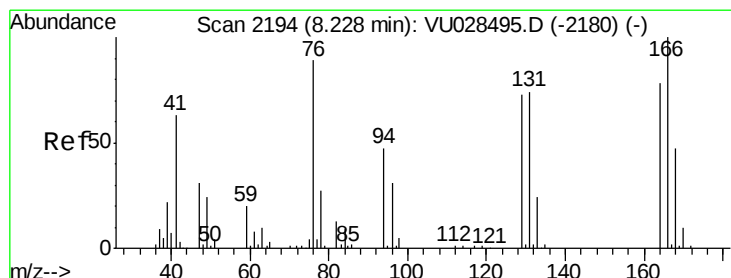
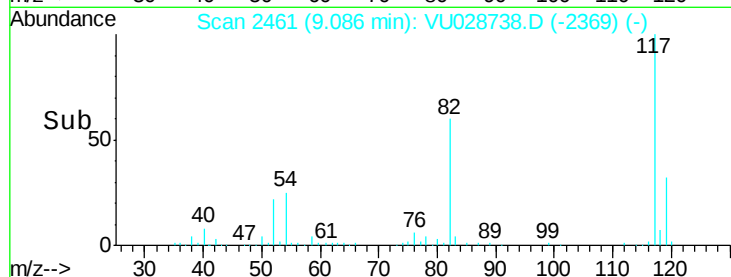
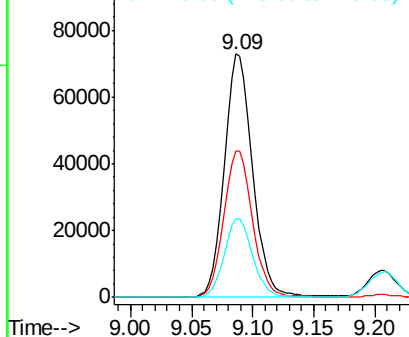
Tgt Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	60.2	48.9	73.3
119	32.4	26.2	39.4

Manual Integrations
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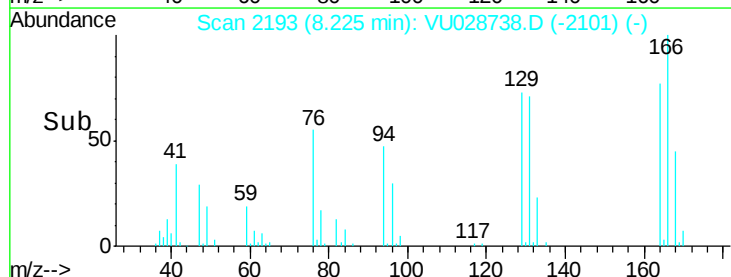
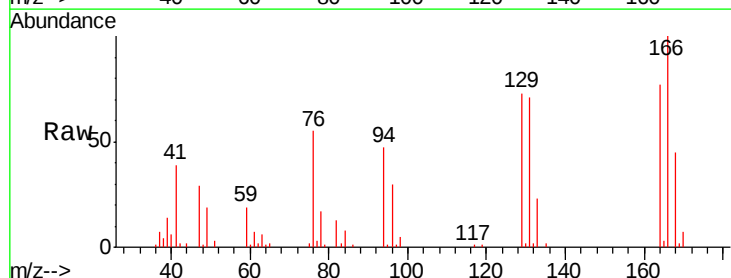
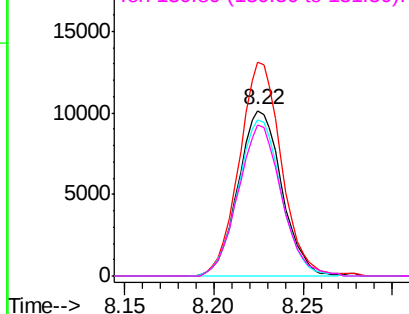
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

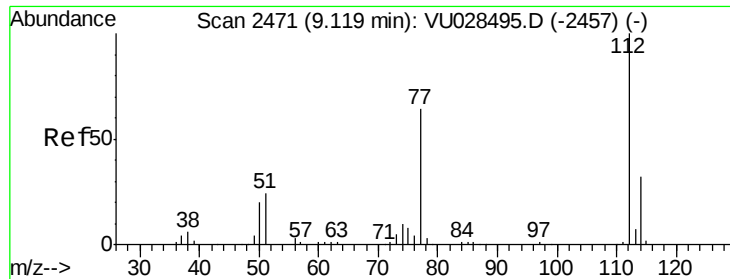


#64
Tetrachloroethene
Concen: 21.704 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	129.4	101.9	152.9
129	95.0	74.9	112.3
131	91.7	75.4	113.0

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





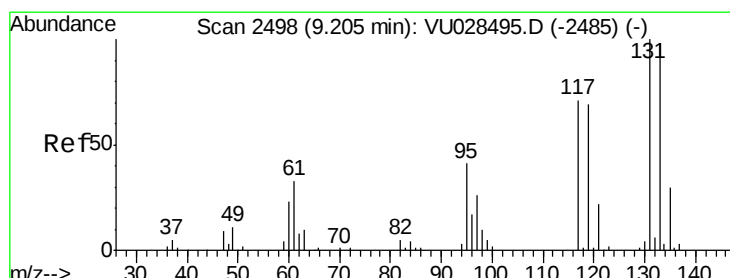
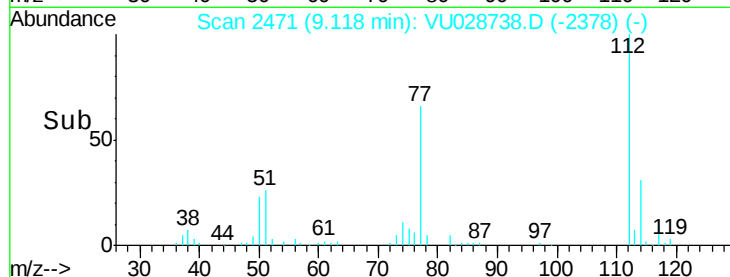
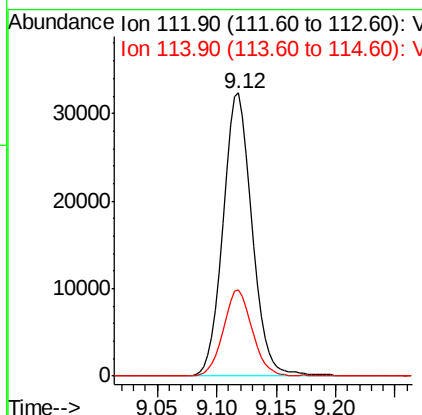
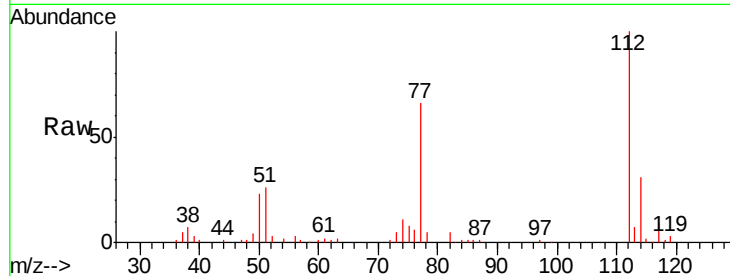
#65
Chlorobenzene
Concen: 21.575 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Instrument :
MSVOA_U
ClientSampleId :
VU1217WBS02

Tgt Ion:112 Resp: 54763
Ion Ratio Lower Upper
112 100
114 30.6 25.3 37.9

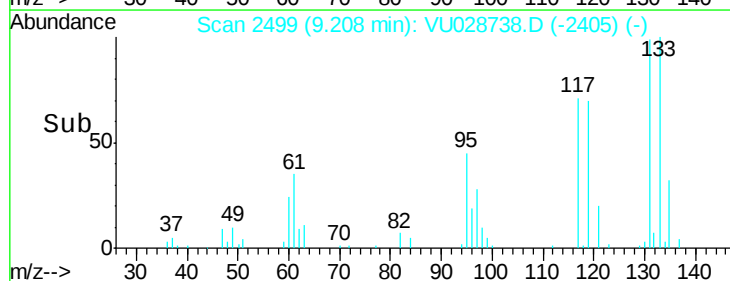
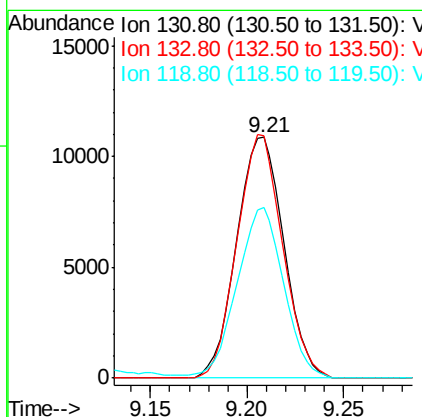
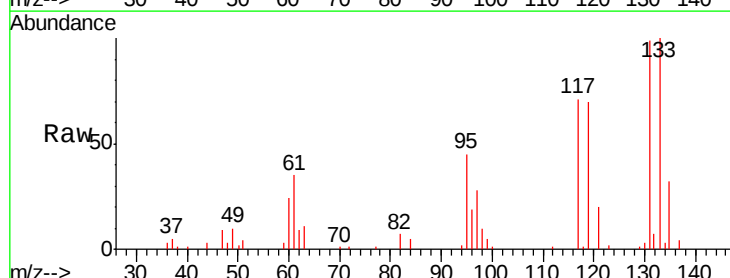
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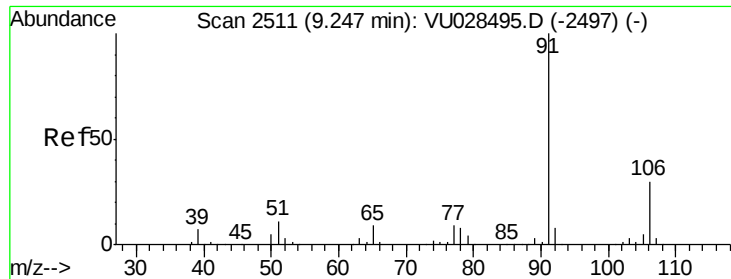
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.771 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Tgt Ion:131 Resp: 18457
Ion Ratio Lower Upper
131 100
133 97.5 48.0 144.0
119 70.1 34.6 103.9





#67

Ethyl Benzene

Concen: 21.119 ug/l

RT: 9.25 min Scan# 2511

Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

Instrument :

MSVOA_U

ClientSampleId :

VU1217WBS02

Tgt Ion: 91 Resp: 98544

Ion Ratio Lower Upper

91 100

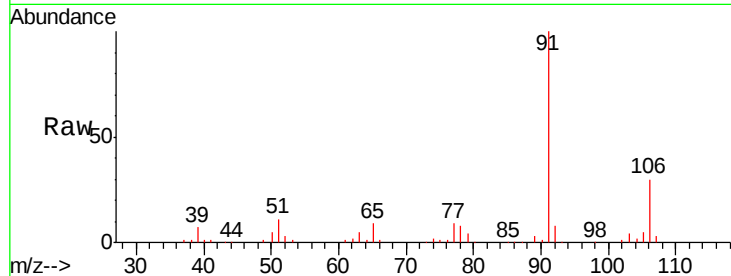
106 29.6 24.1 36.1

Manual Integrations

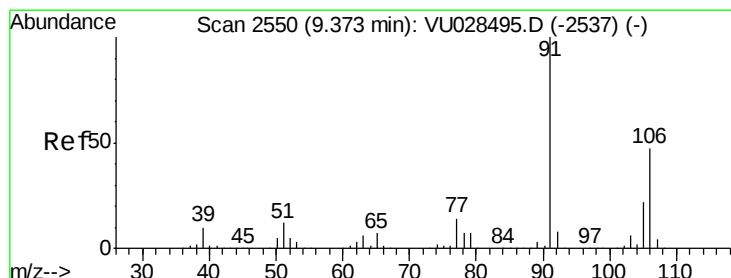
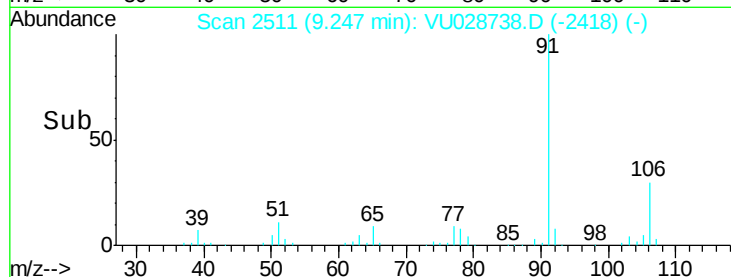
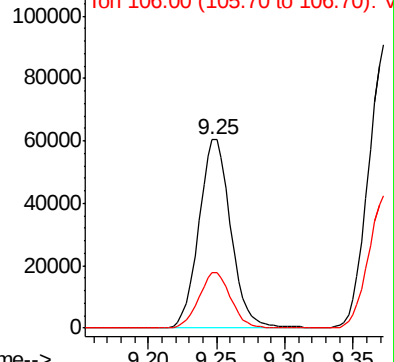
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Abundance Ion 91.00 (90.70 to 91.70): VU028495.D (-2497) (-)



#68

m/p-Xylenes

Concen: 42.837 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VU028738.D

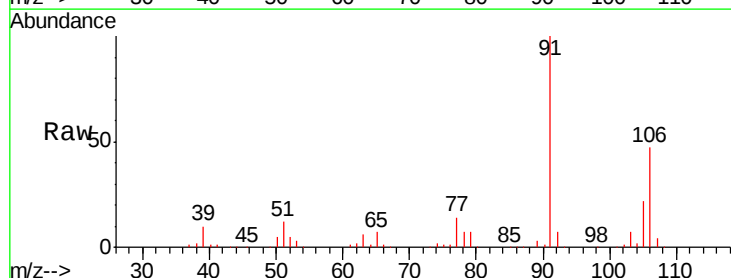
Acq: 17 Dec 2018 23:09

Tgt Ion: 106 Resp: 72733

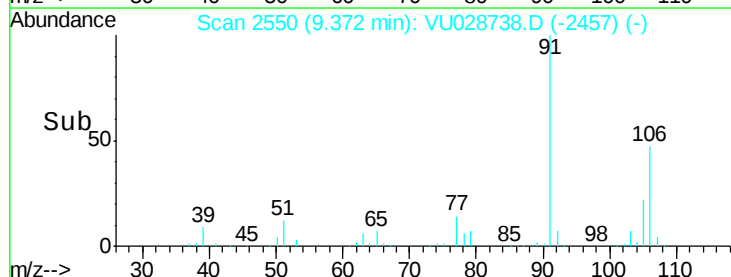
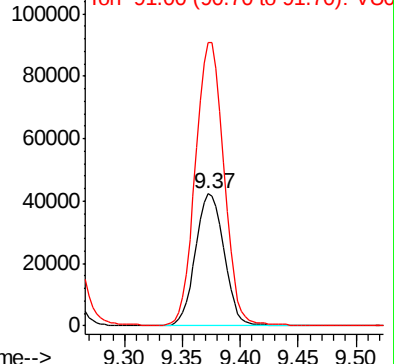
Ion Ratio Lower Upper

106 100

91 213.0 167.4 251.0



Abundance Ion 106.00 (105.70 to 106.70): VU028495.D (-2537) (-)





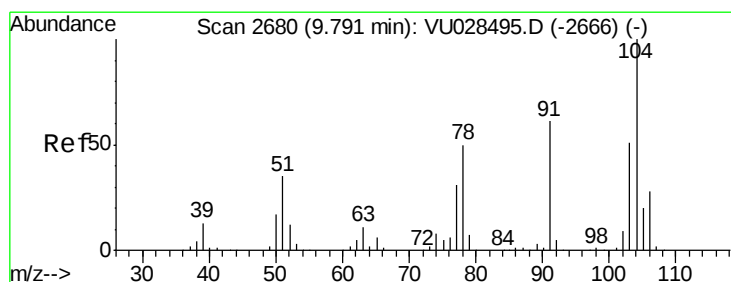
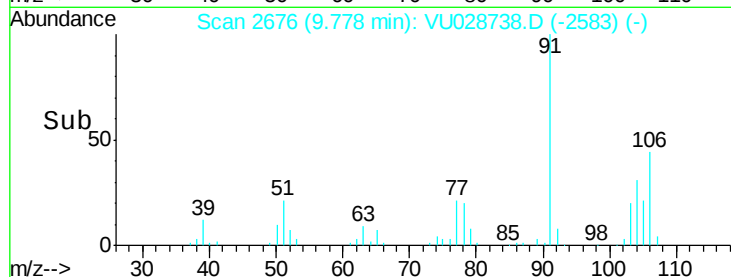
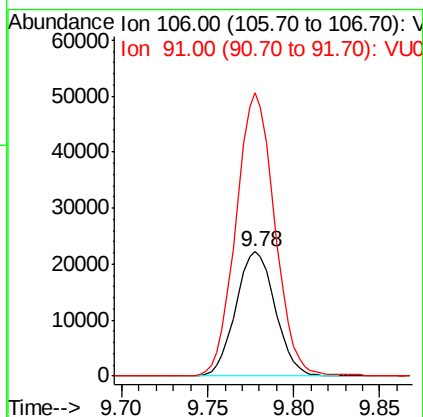
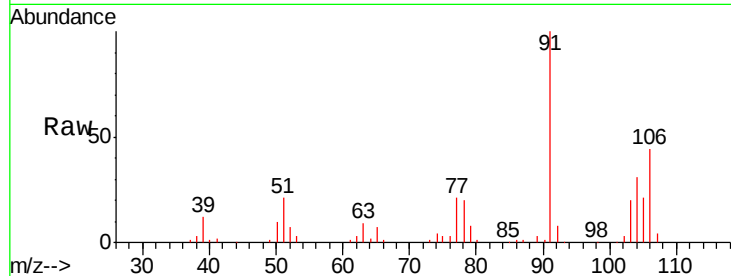
#69
o-Xylene
Concen: 21.387 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Instrument :
MSVOA_U
ClientSampleId :
VU1217WBS02

Tgt Ion:106 Resp: 35290
Ion Ratio Lower Upper
106 100
91 224.5 111.3 334.0

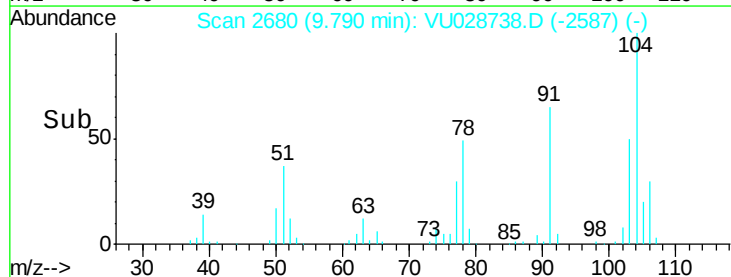
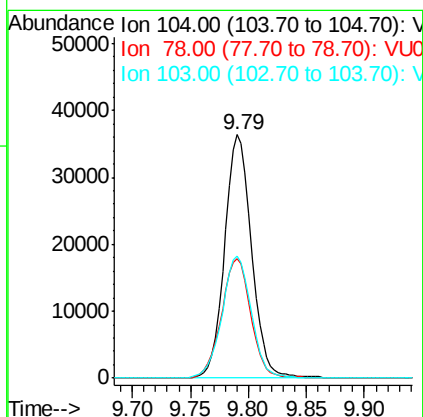
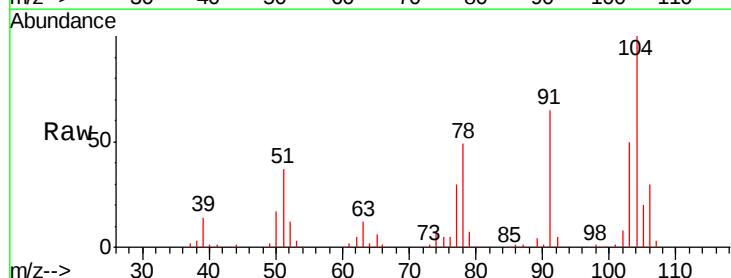
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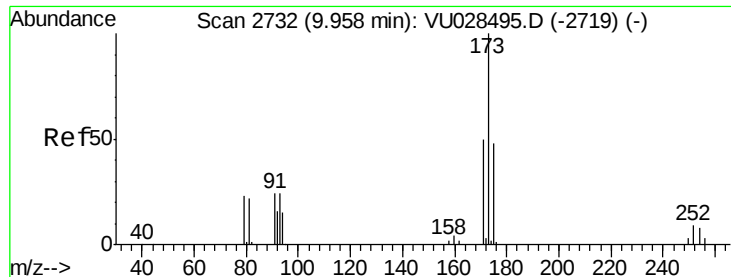
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#70
Styrene
Concen: 21.492 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Tgt Ion:104 Resp: 58688
Ion Ratio Lower Upper
104 100
78 53.8 43.0 64.6
103 54.6 44.2 66.4





#71

Bromoform

Concen: 22.956 ug/l

RT: 9.95 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

Instrument :

MSVOA_U

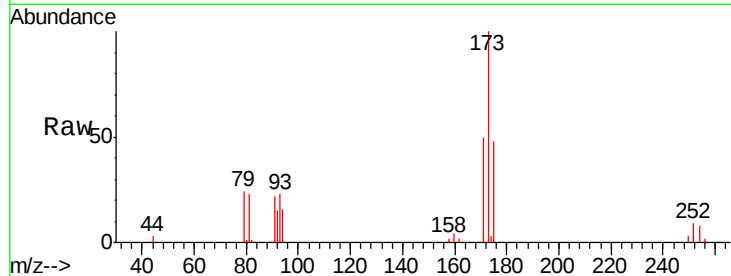
ClientSampleId :

VU1217WBS02

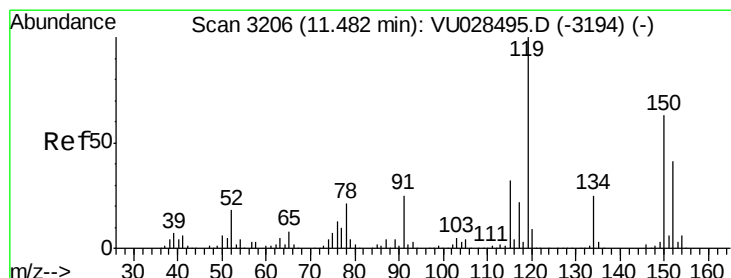
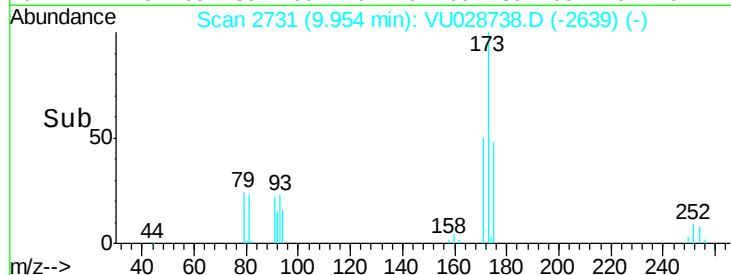
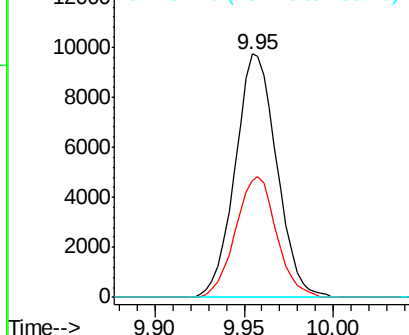
Tgt Ion:	173	Resp:	15829
Ion Ratio	Lower	Upper	
173	100		
175	48.8	23.9	71.8
254	0.0	0.0	0.0

Manual Integrations
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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

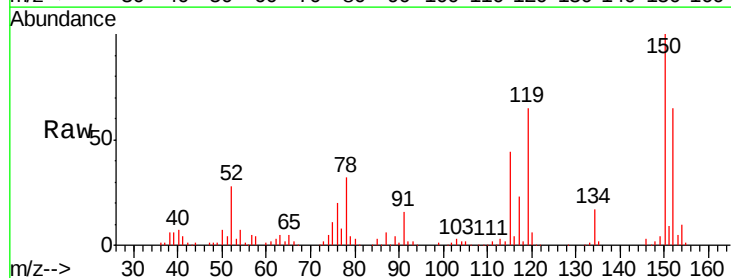
RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

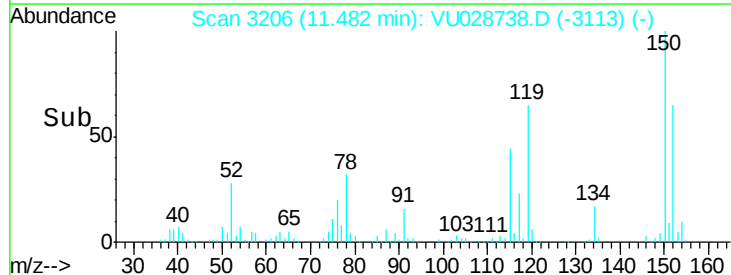
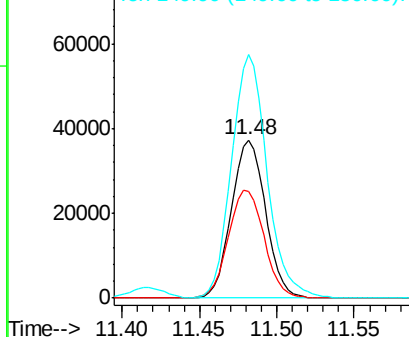
Lab File: VU028738.D

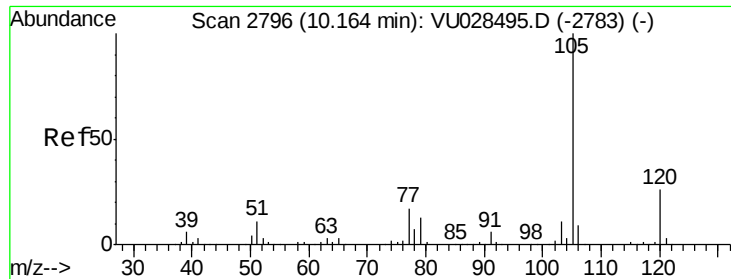
Acq: 17 Dec 2018 23:09

Tgt Ion:	152	Resp:	57062
Ion Ratio	Lower	Upper	
152	100		
115	71.5	42.7	128.1
150	160.5	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: 21.283 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

Instrument :

MSVOA_U

ClientSampleId :

VU1217WBS02

Tgt Ion: 105 Resp: 93190

Ion Ratio Lower Upper

105 100

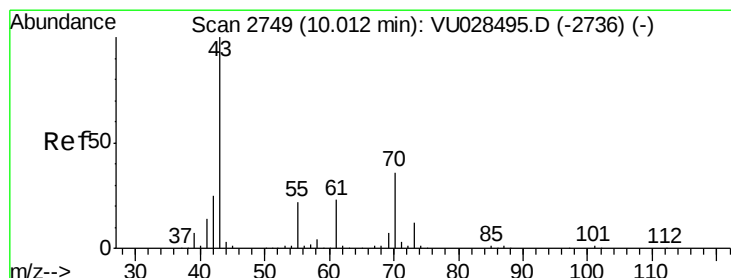
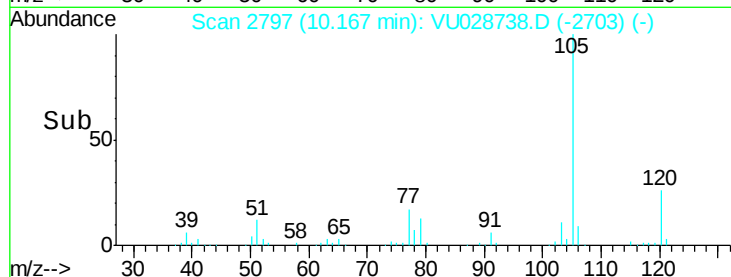
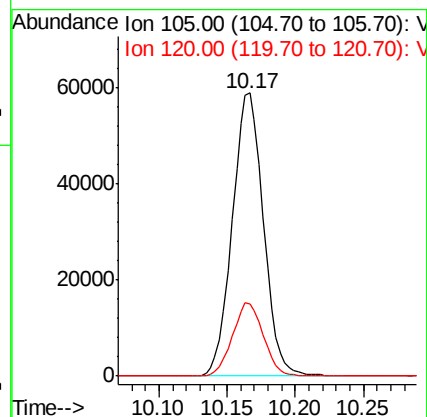
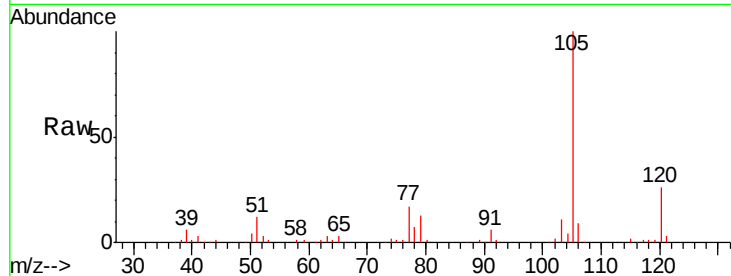
120 25.6 12.9 38.6

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#74

N-ethyl acetate

Concen: 22.226 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

Tgt Ion: 43 Resp: 56137

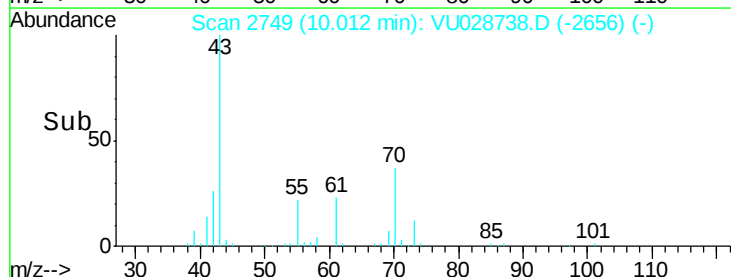
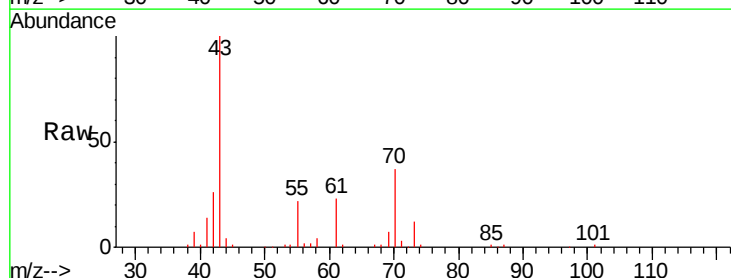
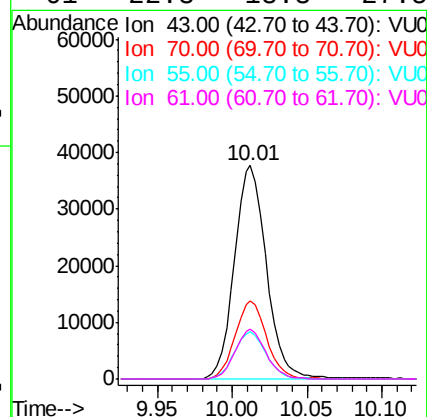
Ion Ratio Lower Upper

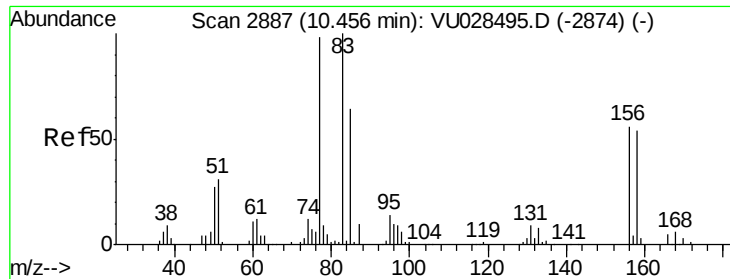
43 100

70 36.2 29.3 43.9

55 22.1 18.0 27.0

61 22.3 18.3 27.5





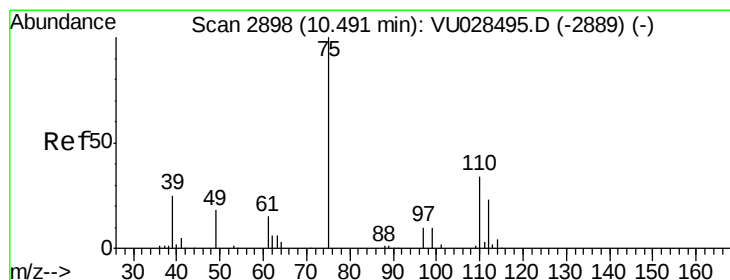
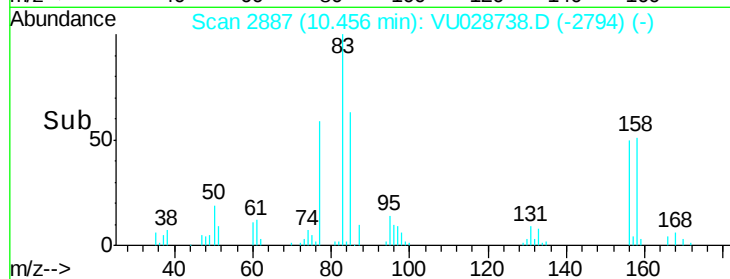
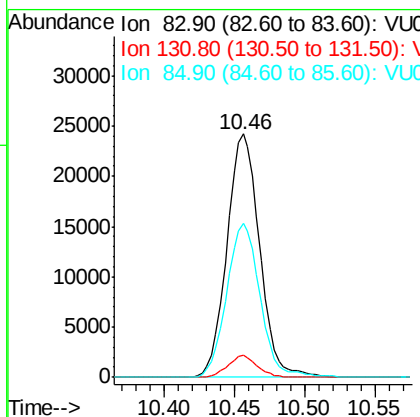
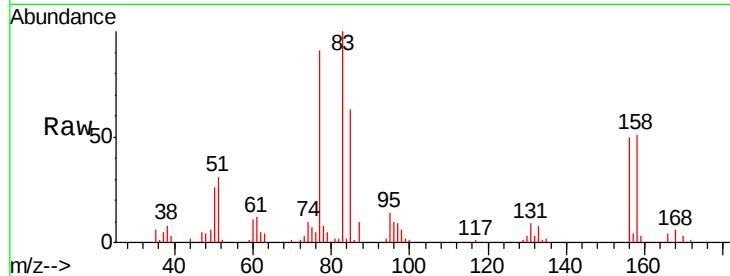
#75
 1,1,2,2-Tetrachloroethane
 Concen: 23.390 ug/l
 RT: 10.46 min Scan# 2887
 Delta R.T. -0.00 min
 Lab File: VU028738.D
 Acq: 17 Dec 2018 23:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1217WBS02

Tgt Ion	Ratio	Resp Lower	Resp Upper
83	100		
131	8.0	4.2	12.4
85	64.4	31.8	95.4

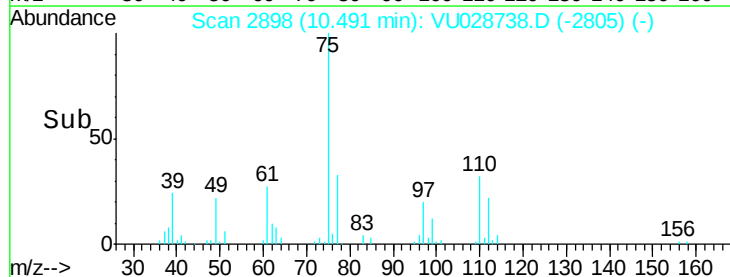
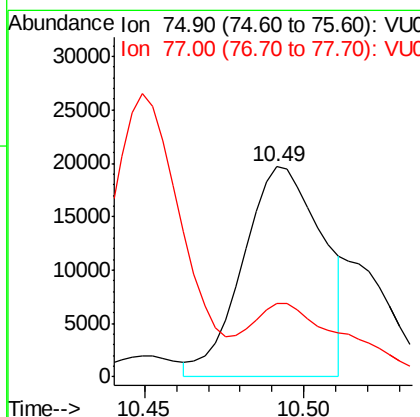
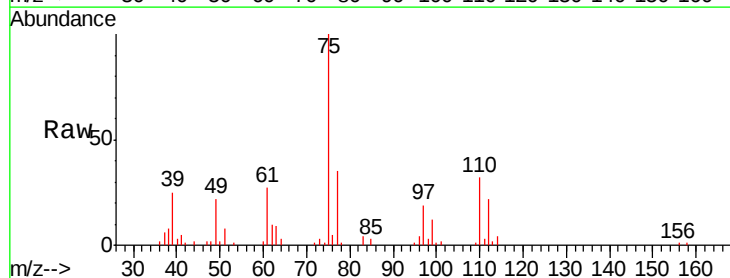
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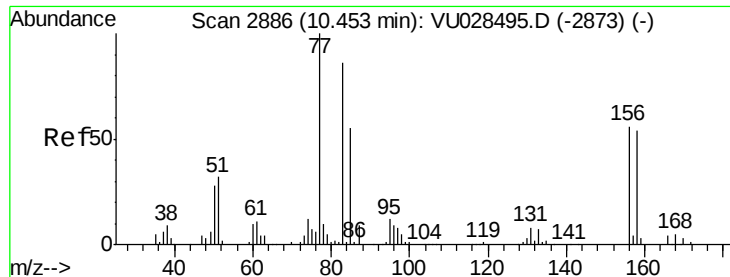
MMDadoda
 12/18/2018 11:31:28 AM



#76
 1,2,3-Trichloropropane
 Concen: 23.404 ug/l m
 RT: 10.49 min Scan# 2898
 Delta R.T. -0.00 min
 Lab File: VU028738.D
 Acq: 17 Dec 2018 23:09

Tgt Ion	Ratio	Resp Lower	Resp Upper
75	100		
77	42.4	20.8	62.4





#77

Bromobenzene

Concen: 21.814 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

Instrument :

MSVOA_U

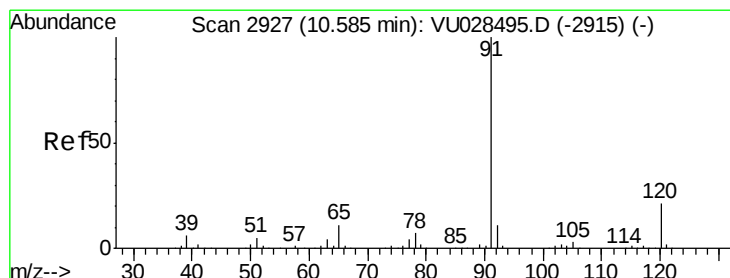
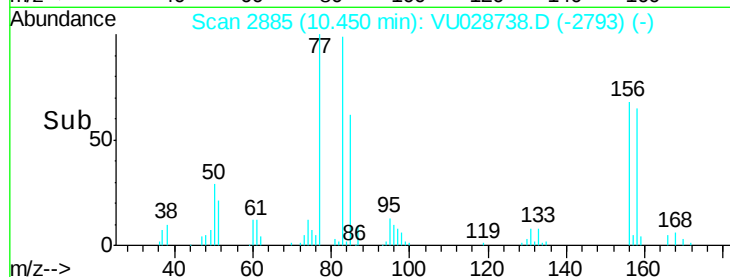
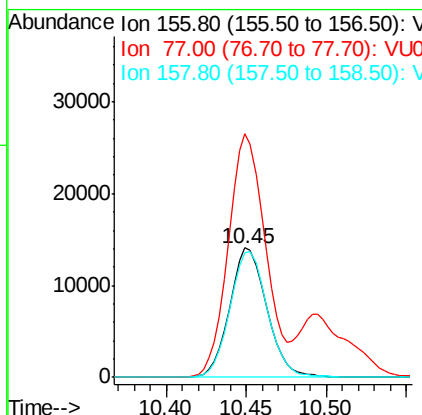
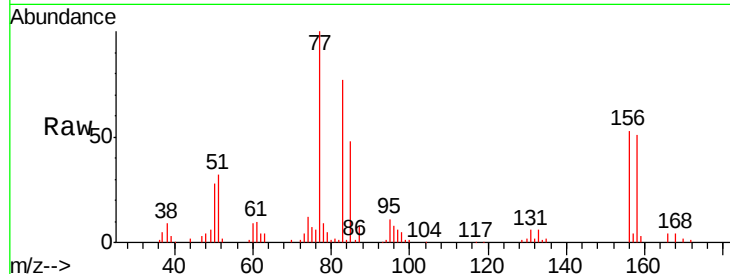
ClientSampleId :

VU1217WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
156	100	22338		
77	186.4	92.4	277.2	
158	98.0	48.4	145.3	

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#78

n-propylbenzene

Concen: 20.996 ug/l

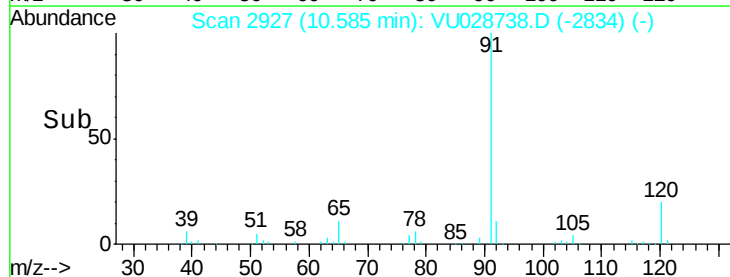
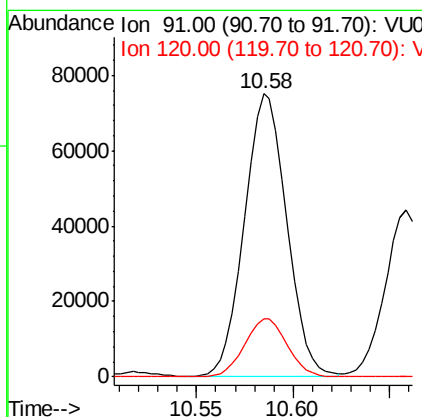
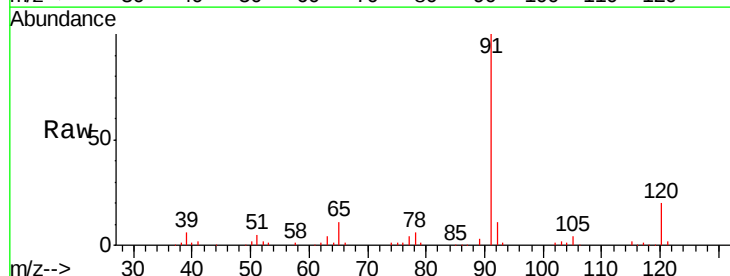
RT: 10.58 min Scan# 2927

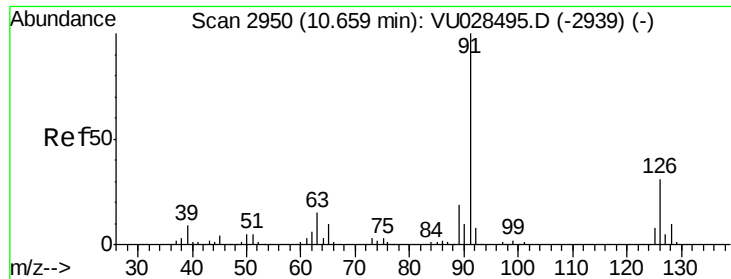
Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	114235		
120	20.8	10.6	31.8	





#79

2-Chlorotoluene

Concen: 21.839 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

Instrument :

MSVOA_U

ClientSampleId :

VU1217WBS02

Tgt Ion: 91 Resp: 68445

Ion Ratio Lower Upper

91 100

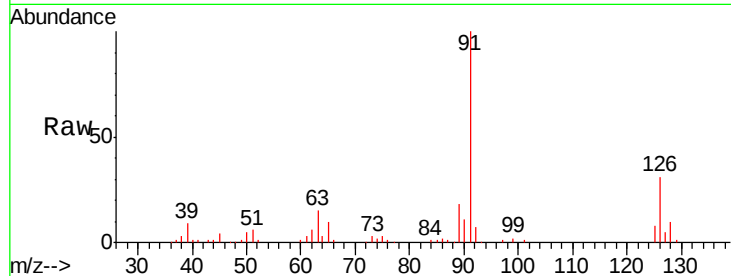
126 31.2 15.6 46.8

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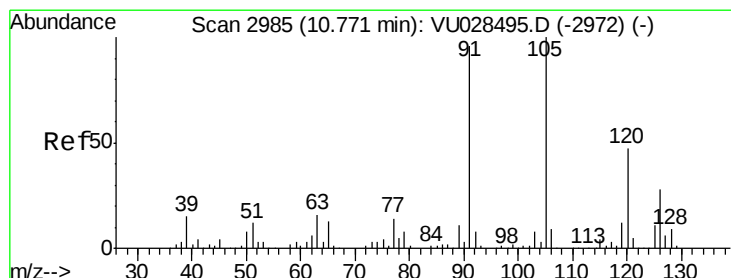
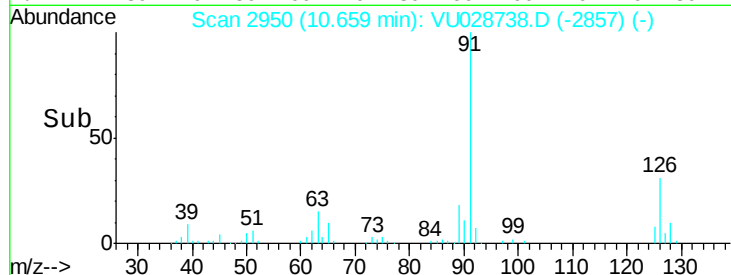
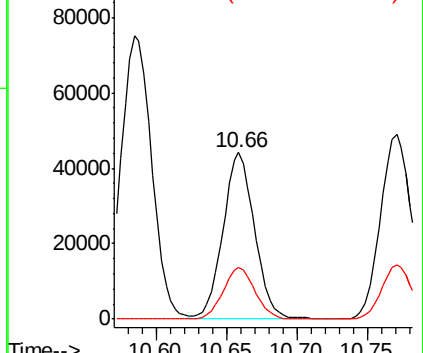
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Abundance Ion 91.00 (90.70 to 91.70): VU028495.D (-2939) (-)

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



#80

1,3,5-Trimethylbenzene

Concen: 21.324 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028738.D

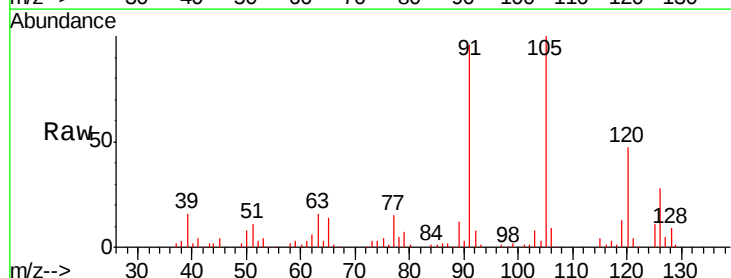
Acq: 17 Dec 2018 23:09

Tgt Ion: 105 Resp: 77286

Ion Ratio Lower Upper

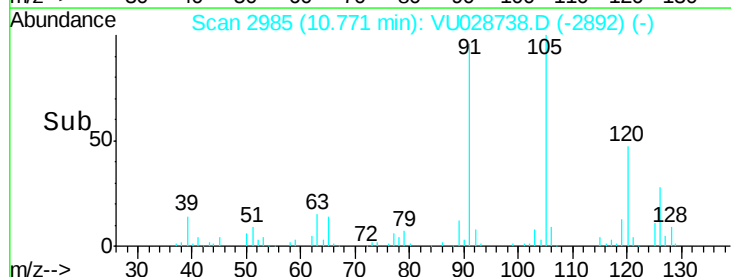
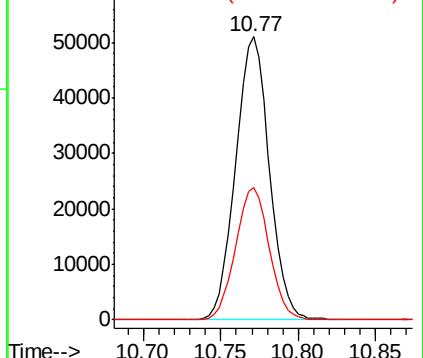
105 100

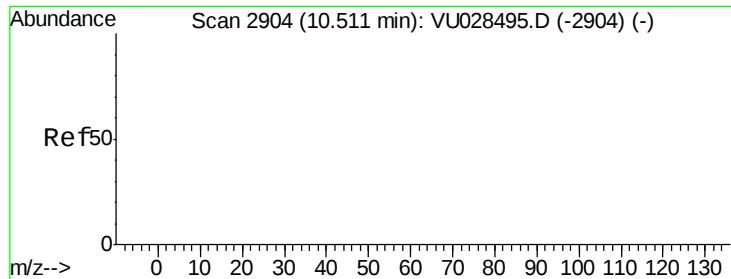
120 46.4 23.7 71.1



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: 19.450 ug/l m

RT: 10.51 min Scan# 2904

Delta R.T. 0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

Instrument :

MSVOA_U

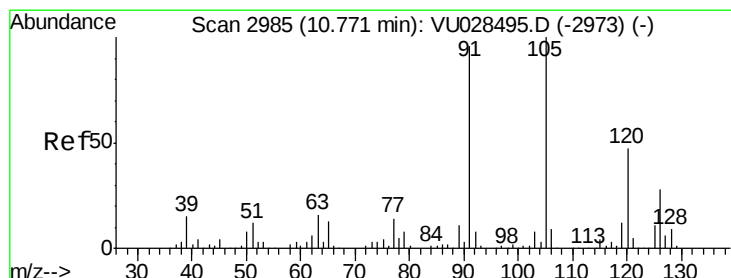
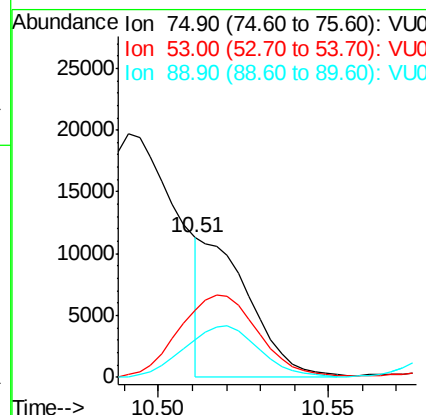
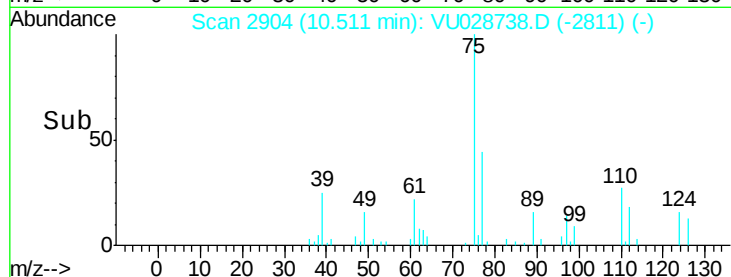
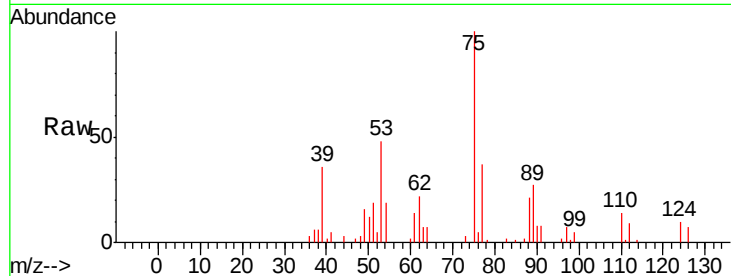
ClientSampleId :

VU1217WBS02

Tgt Ion:	75	Resp:	11335
Ion Ratio		Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

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#82

4-Chlorotoluene

Concen: 20.495 ug/l

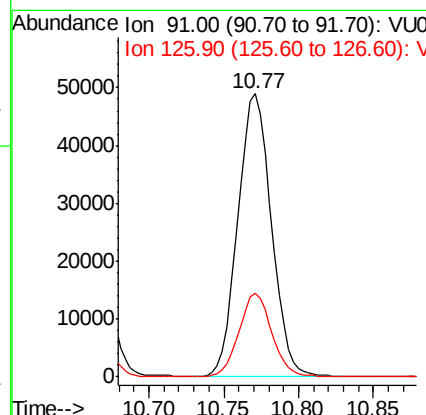
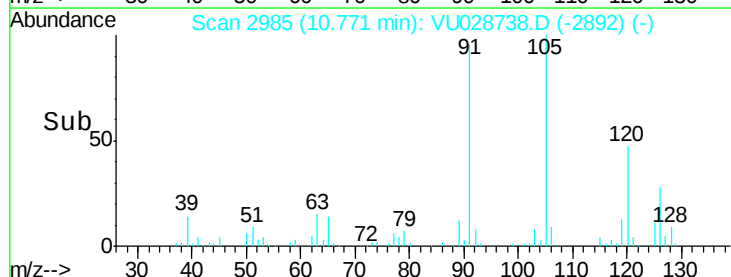
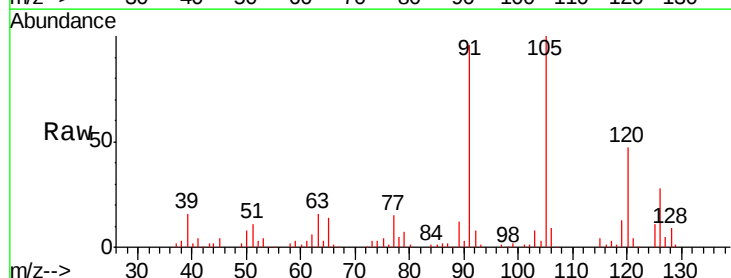
RT: 10.77 min Scan# 2985

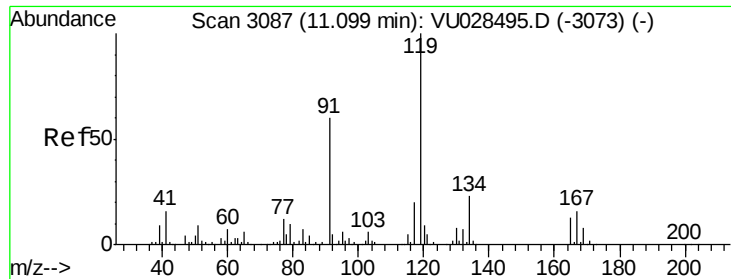
Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

Tgt Ion:	91	Resp:	76116
Ion Ratio		Lower	Upper
91	100		
126	28.9	14.1	42.3





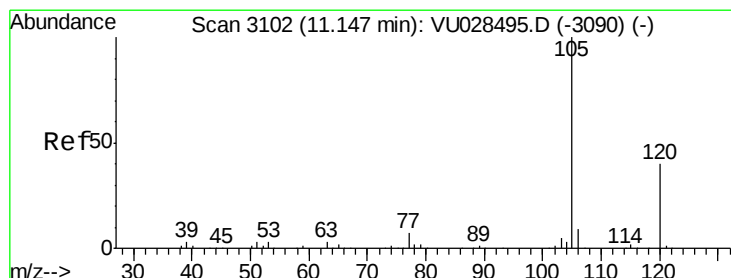
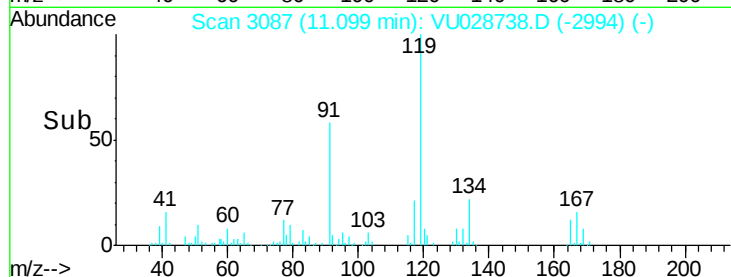
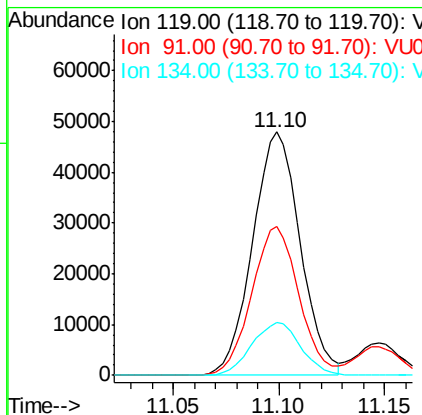
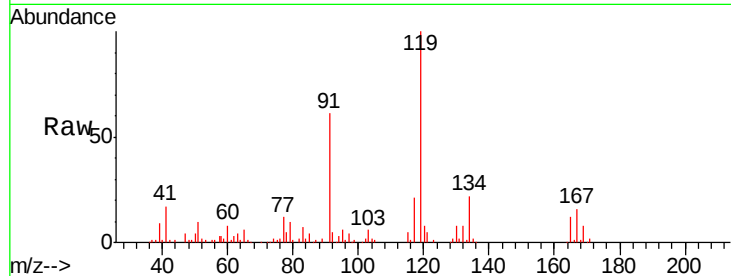
#83
tert-Butylbenzene
Concen: 21.559 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Instrument :
MSVOA_U
ClientSampleId :
VU1217WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	75316		
91	60.6	30.3	91.0	
134	22.2	11.2	33.5	

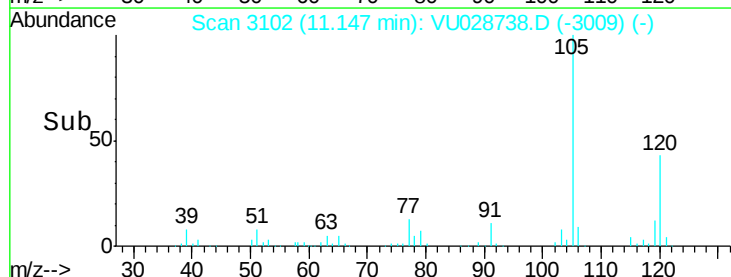
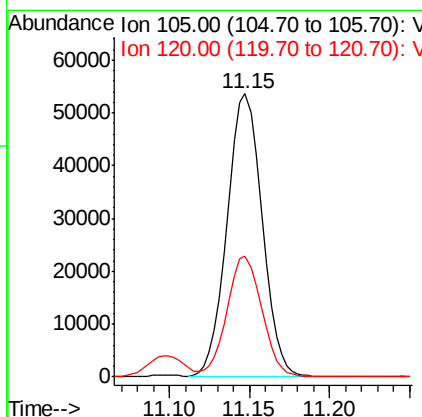
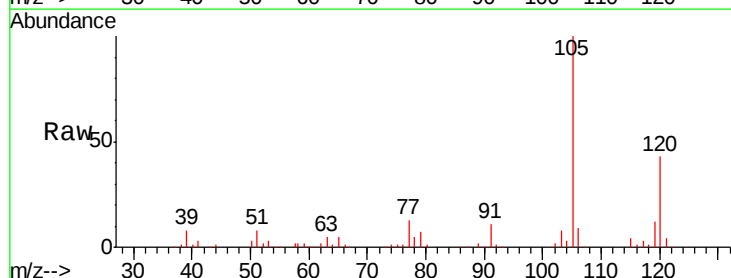
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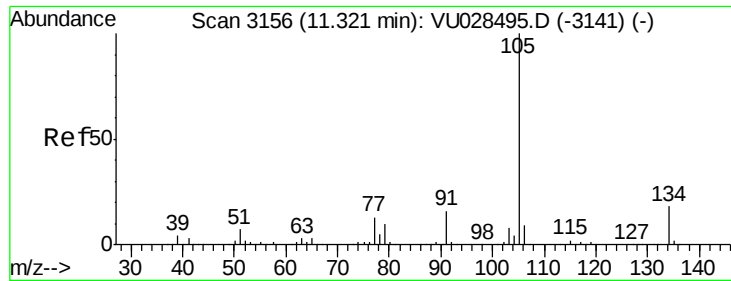
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#84
1,2,4-Trimethylbenzene
Concen: 21.446 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	80106		
120	42.3	21.8	65.4	





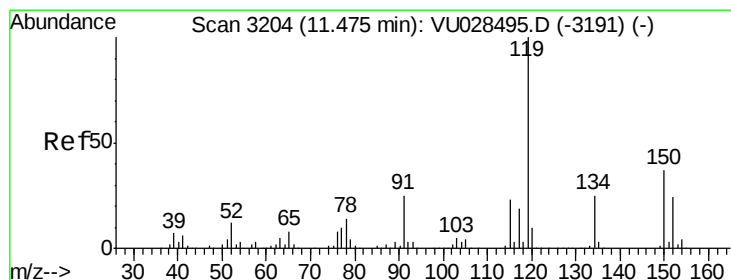
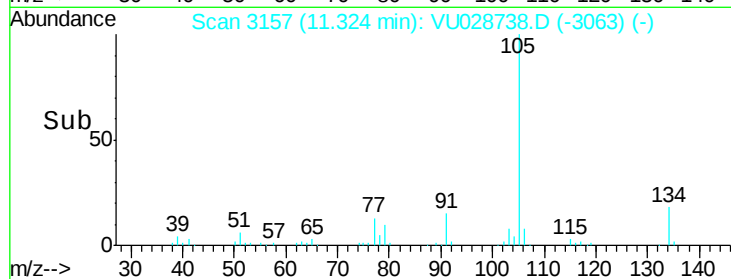
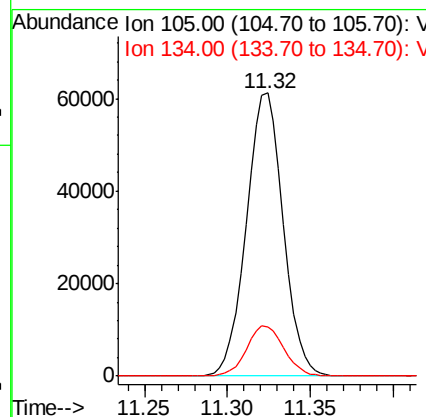
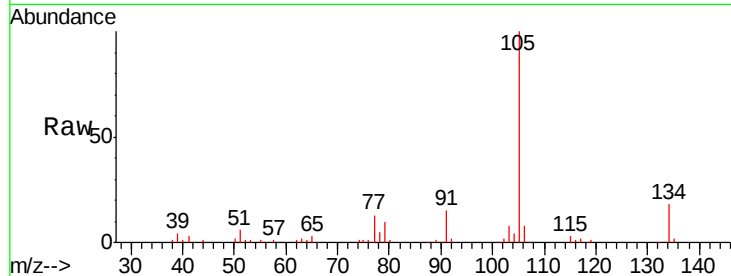
#85
 sec-Butylbenzene
 Concen: 20.995 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU028738.D
 Acq: 17 Dec 2018 23:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1217WBS02

Tgt Ion:105 Resp: 94227
 Ion Ratio Lower Upper
 105 100
 134 18.0 9.2 27.6

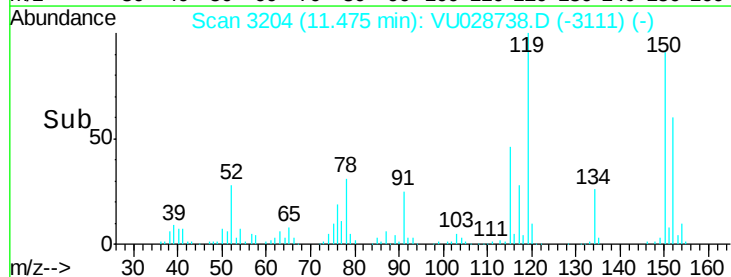
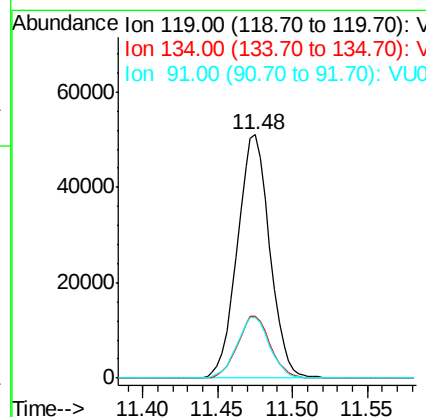
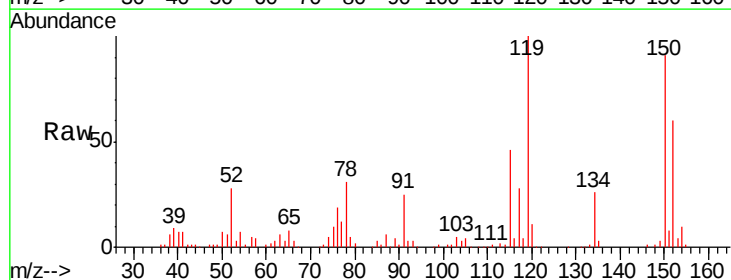
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#86
 p-Isopropyltoluene
 Concen: 20.159 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028738.D
 Acq: 17 Dec 2018 23:09

Tgt Ion:119 Resp: 76853
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.7 38.1
 91 25.3 12.6 37.6





#87

1,3-Dichlorobenzene

Concen: 20.361 ug/l

RT: 11.41 min Scan# 3185

Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

Instrument :

MSVOA_U

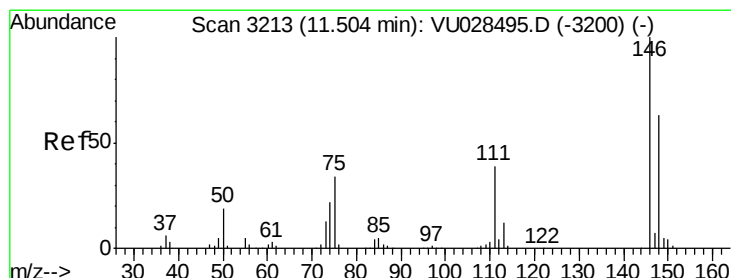
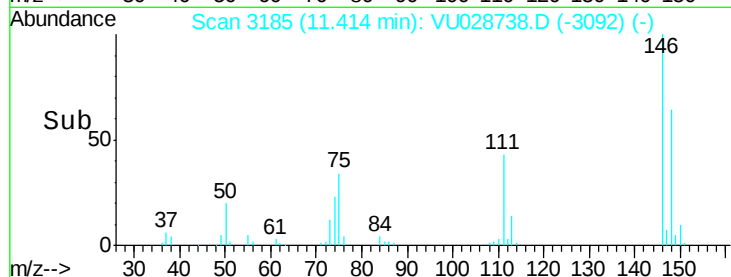
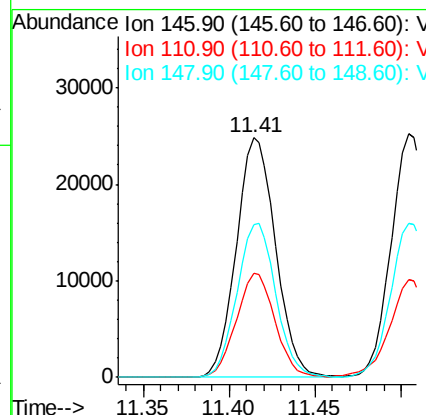
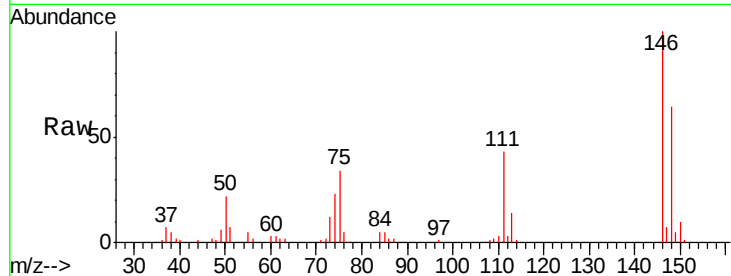
ClientSampleId :

VU1217WBS02

Tgt Ion:	146	Resp:	39371
Ion Ratio	Lower	Upper	
146	100		
111	42.6	20.7	62.1
148	63.4	31.9	95.7

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#88

1,4-Dichlorobenzene

Concen: 20.091 ug/l

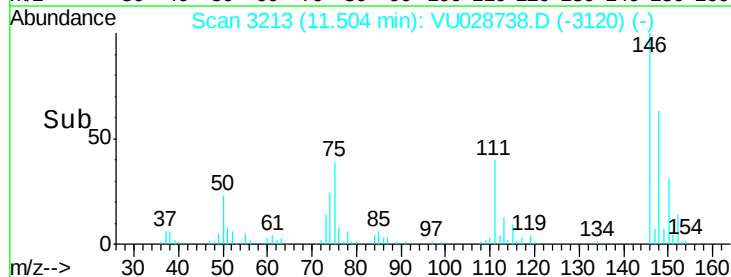
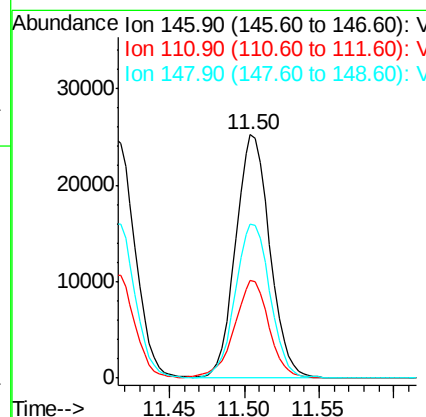
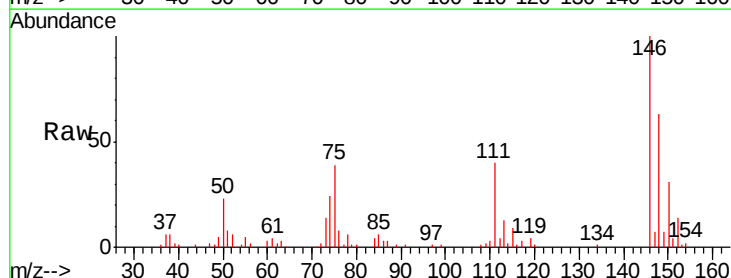
RT: 11.50 min Scan# 3213

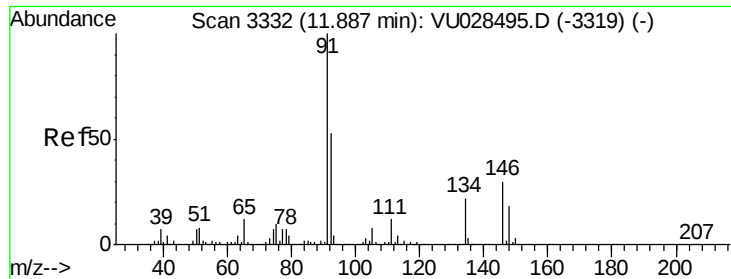
Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

Tgt Ion:	146	Resp:	40193
Ion Ratio	Lower	Upper	
146	100		
111	40.8	20.2	60.5
148	64.4	31.6	95.0





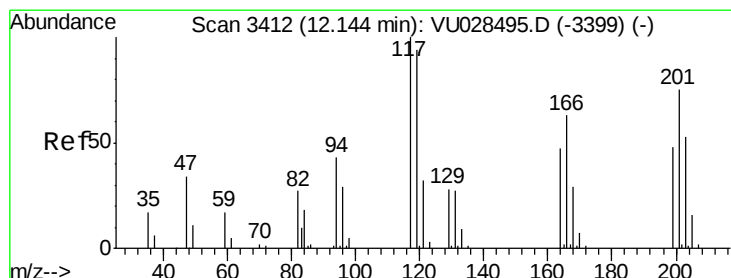
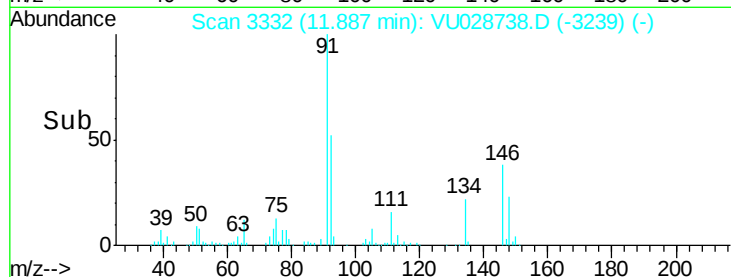
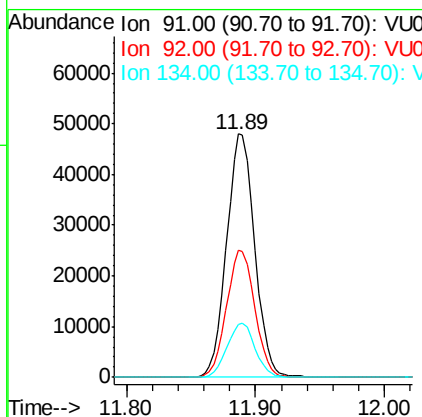
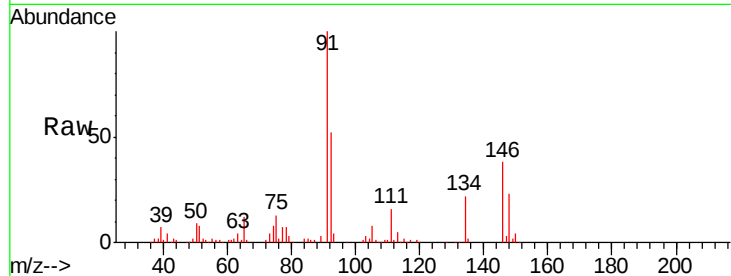
#89
n-Butylbenzene
Concen: 18.834 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Instrument :
MSVOA_U
ClientSampleId :
VU1217WBS02

Tgt Ion: 91 Resp: 72667
Ion Ratio Lower Upper
91 100
92 52.5 26.3 78.9
134 22.1 11.3 33.8

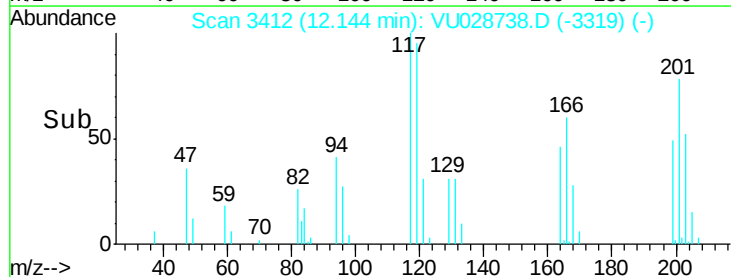
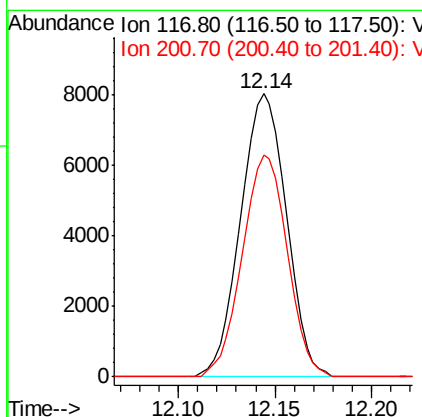
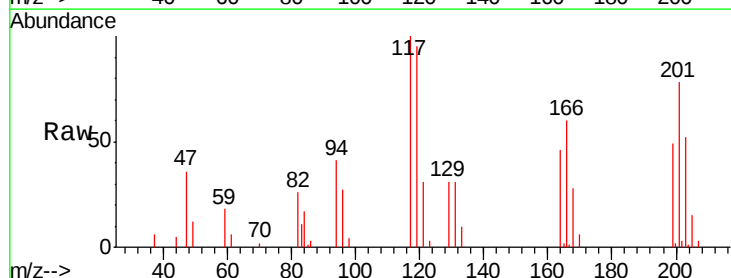
Manual Integrations
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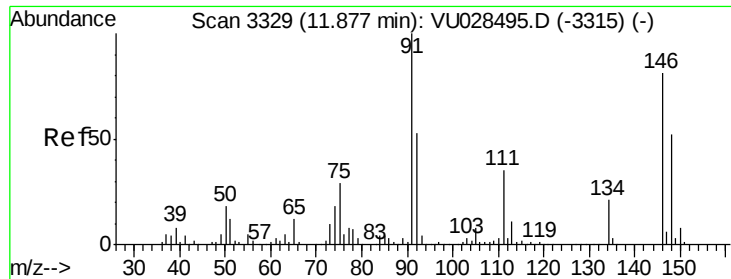
MMDadoda
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#90
Hexachloroethane
Concen: 23.043 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Tgt Ion: 117 Resp: 13278
Ion Ratio Lower Upper
117 100
201 76.9 38.1 114.5





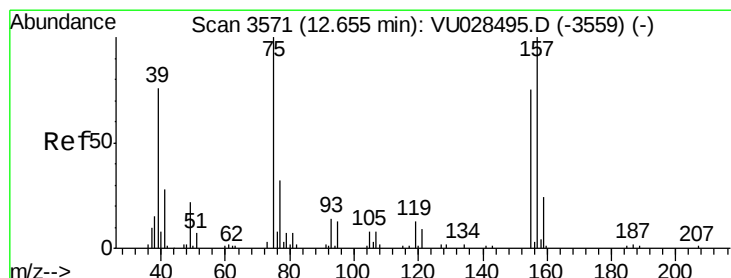
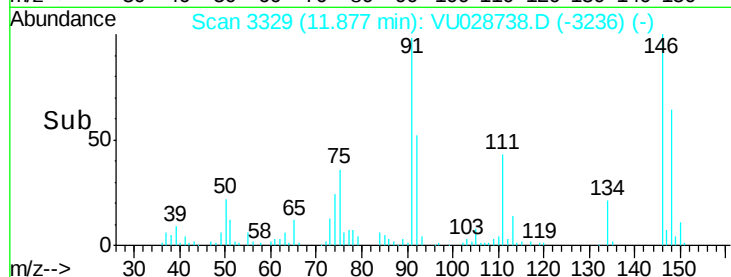
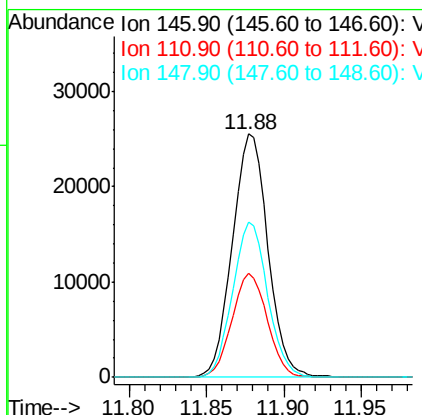
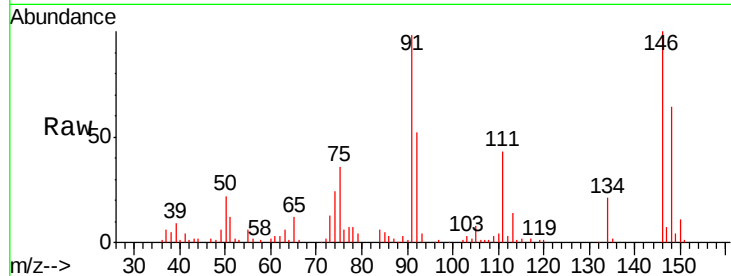
#91
 1,2-Dichlorobenzene
 Concen: 21.062 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028738.D
 Acq: 17 Dec 2018 23:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1217WBS02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.1	63.4
148	62.4	31.4	94.2

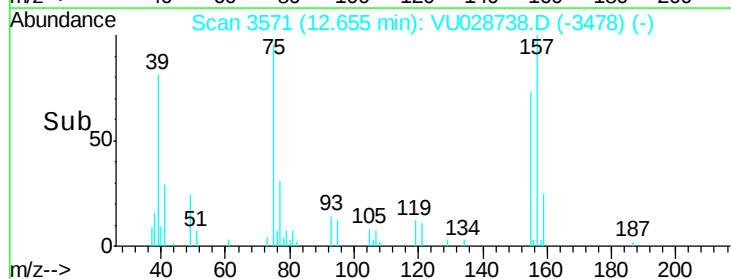
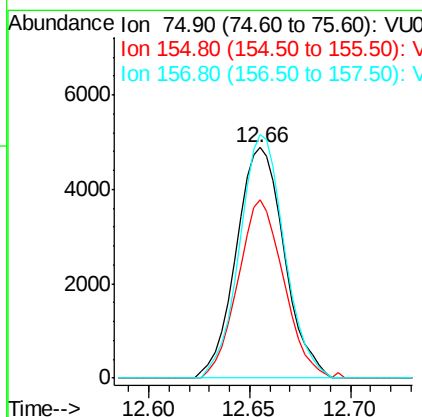
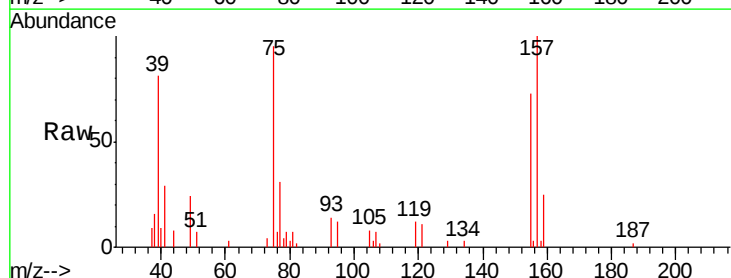
Manual Integrations
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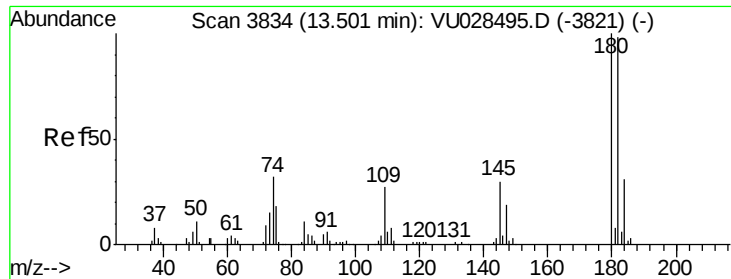
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.417 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028738.D
 Acq: 17 Dec 2018 23:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.9	38.1	114.5
157	98.8	48.7	146.1





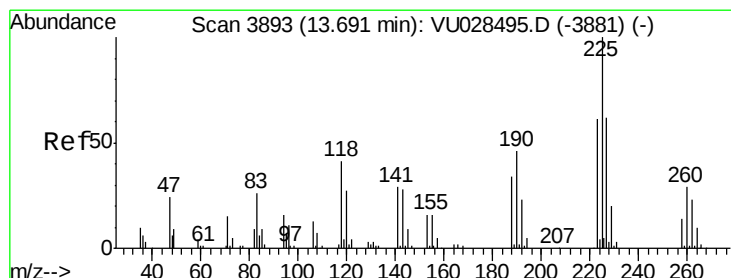
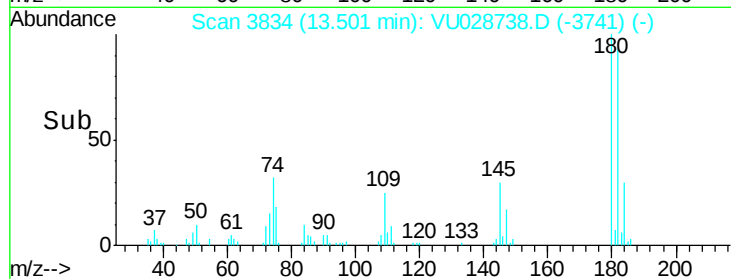
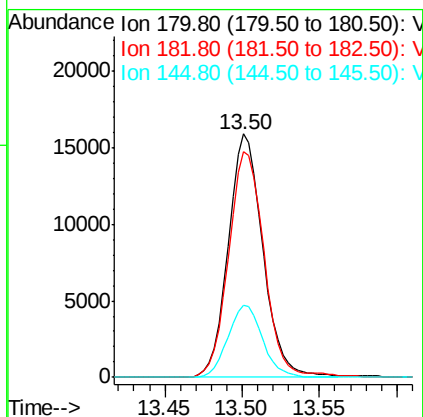
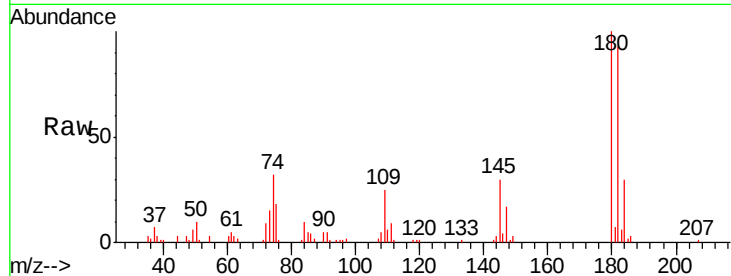
#93
 1,2,4-Trichlorobenzene
 Concen: 19.080 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028738.D
 Acq: 17 Dec 2018 23:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1217WBS02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.9	143.8
145	29.6	15.0	45.1

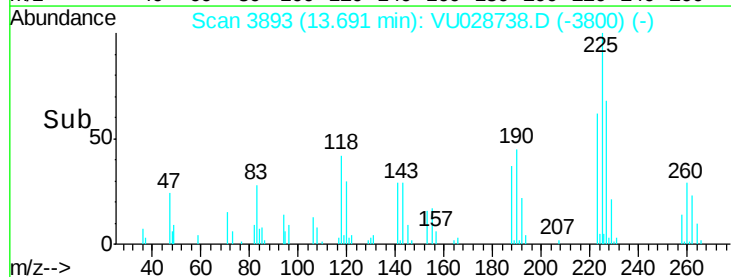
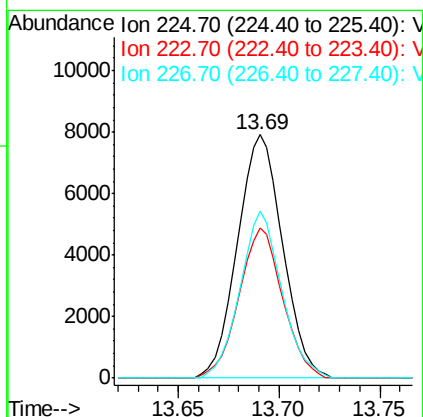
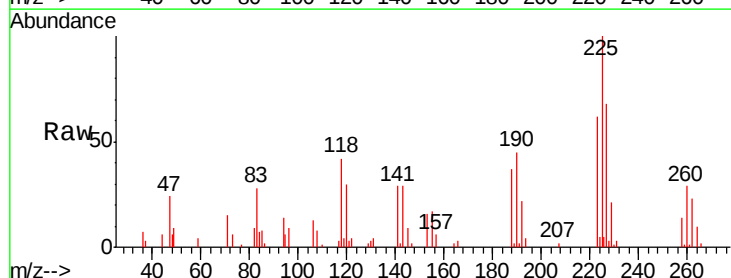
Manual Integrations
 APPROVED

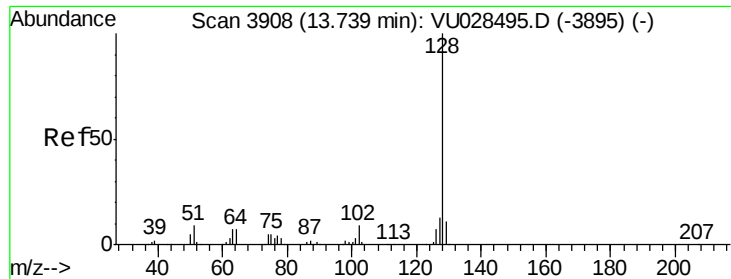
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#94
 Hexachlorobutadiene
 Concen: 19.557 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028738.D
 Acq: 17 Dec 2018 23:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.6	30.4	91.2
227	63.3	30.7	92.1





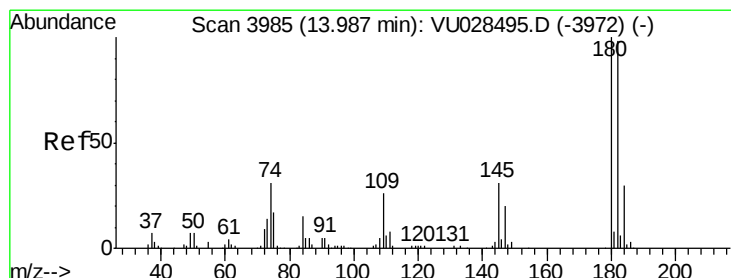
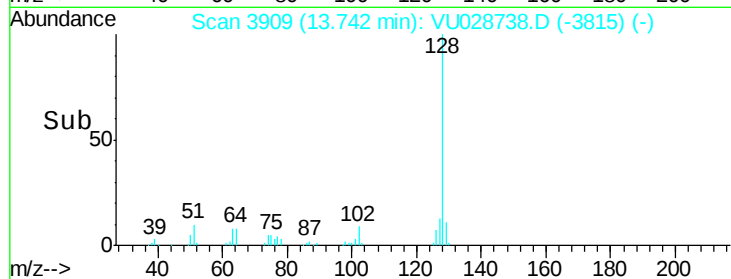
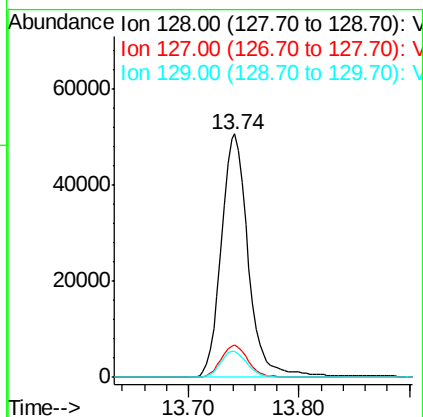
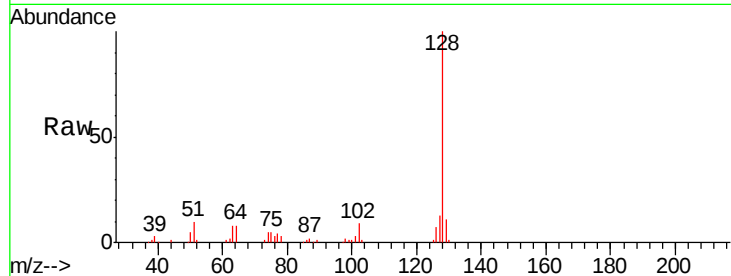
#95
Naphthalene
Concen: 18.538 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Instrument :
MSVOA_U
ClientSampleId :
VU1217WBS02

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.4	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.134 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.4	48.2	144.6
145	30.5	15.8	47.3

