

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111021\
 Data File : VU045689.D
 Acq On : 10 Nov 2021 15:45
 Operator : SY/MD
 Sample : M4497-05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VNJ-203

Quant Time: Nov 10 16:38:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U110521W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 05 13:35:16 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

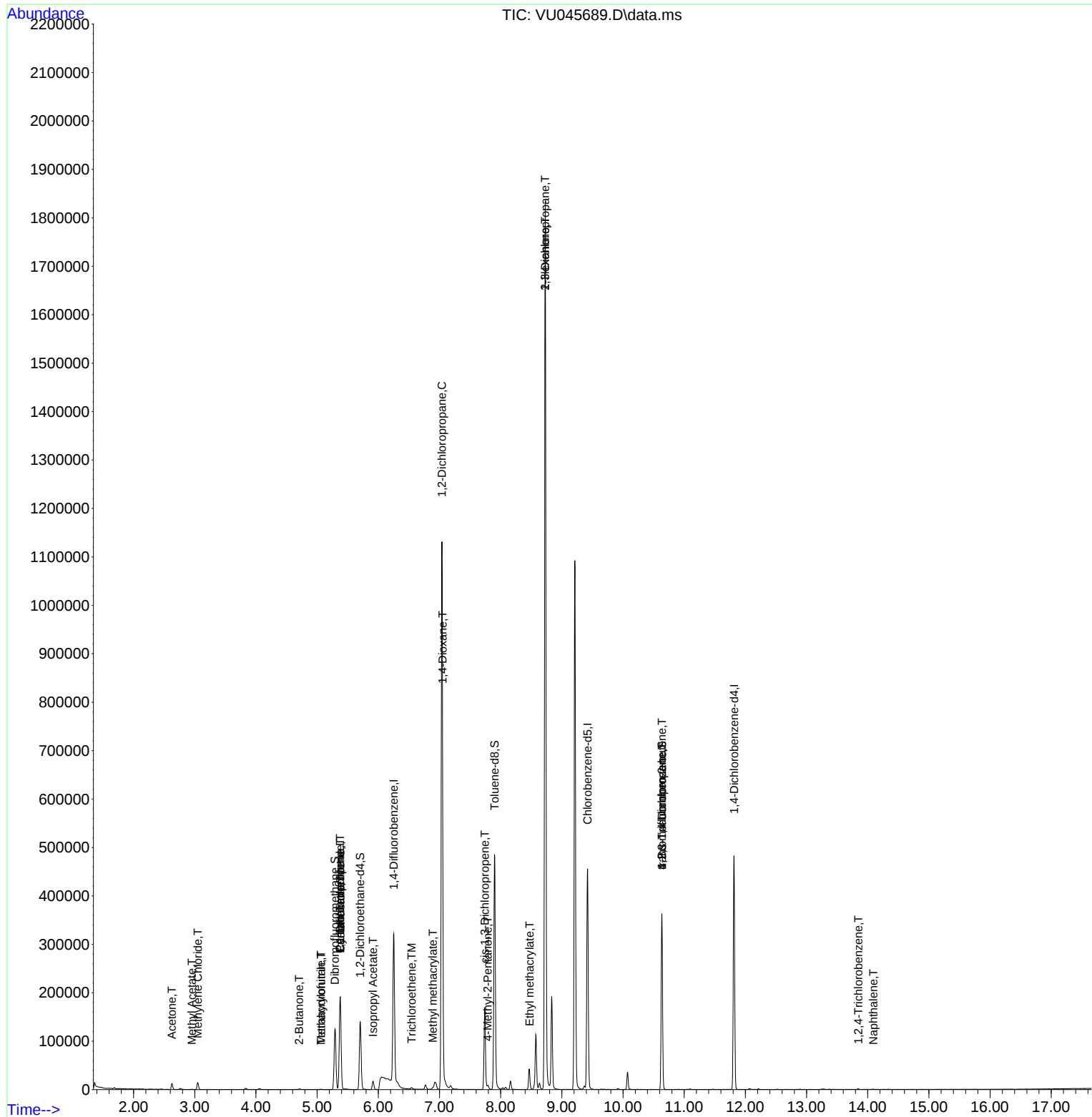
Internal Standards						
1) Pentafluorobenzene	5.379	168	125953	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	243436	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	248112	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	118823	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	103656	54.952	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.900%			
35) Dibromofluoromethane	5.292	113	80858	49.750	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.500%			
50) Toluene-d8	7.899	98	321582	53.210	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.420%			
62) 4-Bromofluorobenzene	10.636	95	120902	49.888	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.780%			
Target Compounds						Qvalue
16) Acetone	2.626	43	14204	14.793	ug/l	100
18) Methyl Acetate	2.951	43	936	0.286	ug/l #	79
20) Methylene Chloride	3.051	84	6805	4.079	ug/l	97
25) 2-Butanone	4.707	43	2543	1.909	ug/l	94
29) Tetrahydrofuran	5.067	42	631	0.775	ug/l #	69
31) Cyclohexane	5.379	56	2930	1.065	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	11399	4.802	ug/l #	50
38) Carbon Tetrachloride	5.375	117	13874	5.798	ug/l #	15
41) Methacrylonitrile	5.067	41	360	0.250	ug/l #	22
43) Isopropyl Acetate	5.915	43	18077	4.334	ug/l	99
44) Trichloroethene	6.546	130	1089	0.647	ug/l	96
45) 1,2-Dichloropropane	7.041	63	1191	0.640	ug/l #	43
48) Methyl methacrylate	6.893	41	5827	3.036	ug/l #	13
49) 1,4-Dioxane	7.050	88	41	0.831	ug/l #	1
51) 4-Methyl-2-Pentanone	7.790	43	4870	1.770	ug/l	95
54) cis-1,3-Dichloropropene	7.742	75	30593	10.251	ug/l #	62
56) Ethyl methacrylate	8.472	69	122	2.460	ug/l #	1
57) 1,3-Dichloropropane	8.729	76	18507	5.762	ug/l #	42
59) 2-Hexanone	8.729	43	242723	105.873	ug/l #	48
76) 1,2,3-Trichloropropane	10.636	75	62977	17.477	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.636	75	62977	56.820	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.844	180	594	0.232	ug/l #	80
95) Naphthalene	14.092	128	1220	1.153	ug/l #	69

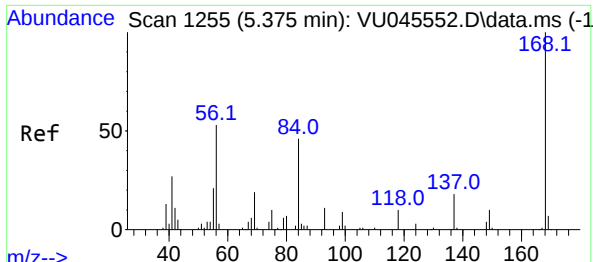
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Nov 05 13:35:16 2021
Response via : Initial Calibration

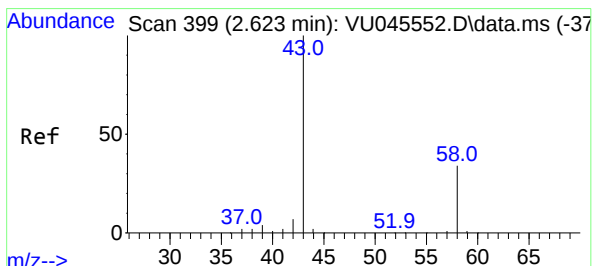
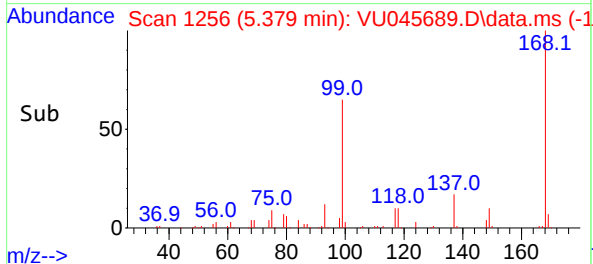
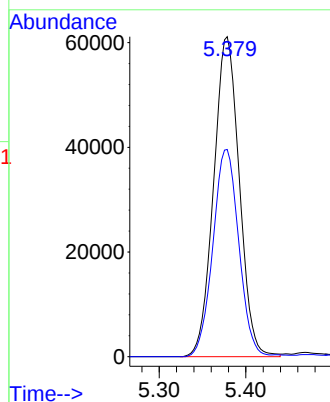
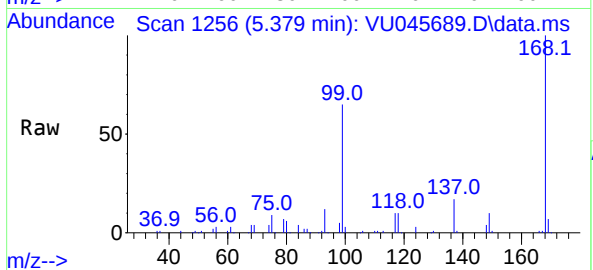




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.379 min Scan# 11
Delta R.T. 0.004 min
Lab File: VU045689.D
Acq: 10 Nov 2021 15:45

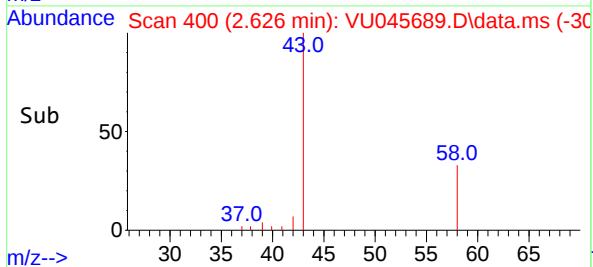
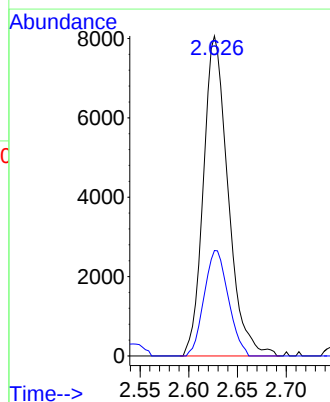
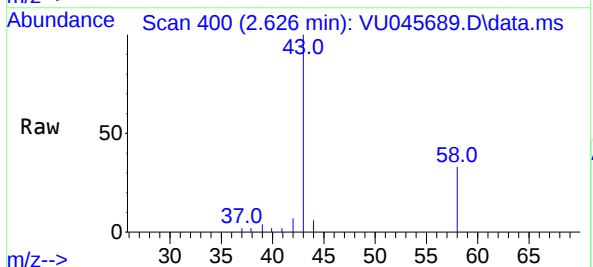
Instrument :
MSVOA_U
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VNJ-203

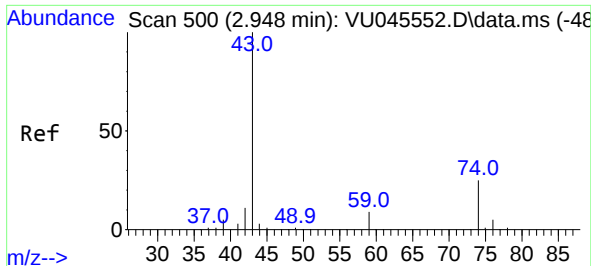
Tgt Ion:168 Resp: 125953
Ion Ratio Lower Upper
168 100
99 64.7 51.0 76.6



#16
Acetone
Concen: 14.793 ug/l
RT: 2.626 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU045689.D
Acq: 10 Nov 2021 15:45

Tgt Ion: 43 Resp: 14204
Ion Ratio Lower Upper
43 100
58 32.9 26.2 39.2

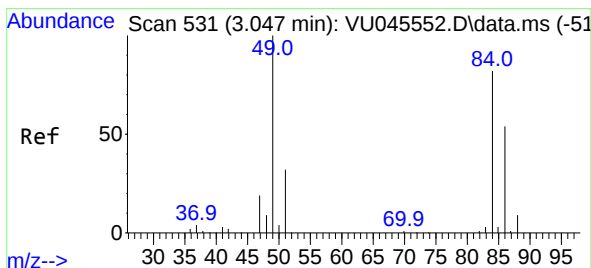
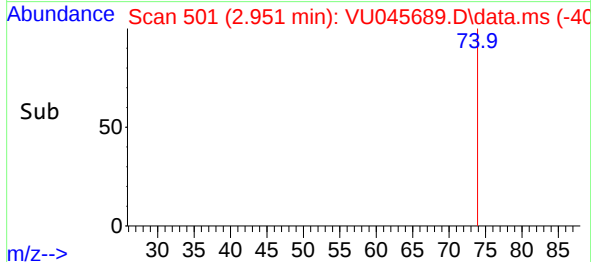
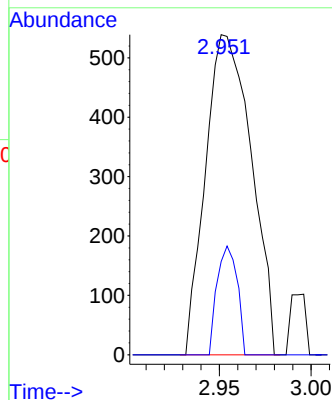
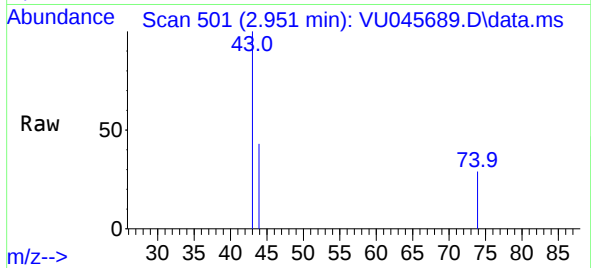




#18
Methyl Acetate
Concen: 0.286 ug/l
RT: 2.951 min Scan# 501
Delta R.T. 0.003 min
Lab File: VU045689.D
Acq: 10 Nov 2021 15:45

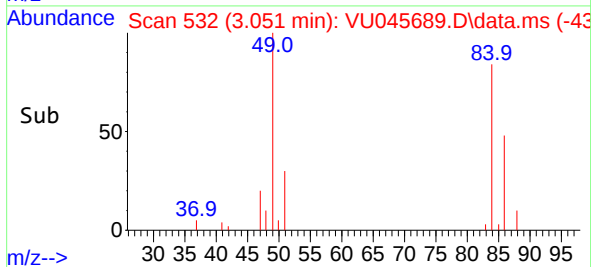
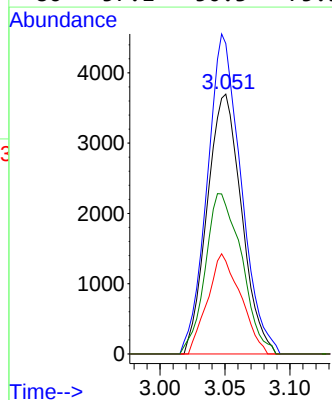
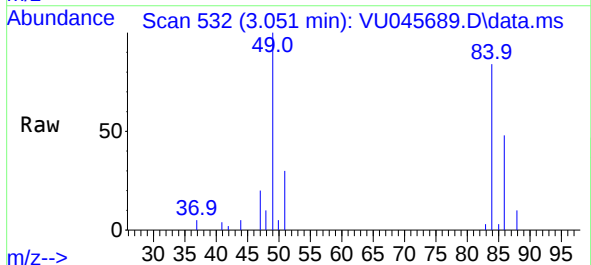
Instrument :
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ClientSampleId :
VNJ-203

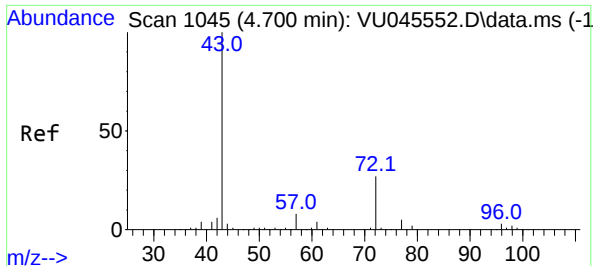
Tgt Ion: 43 Resp: 936
Ion Ratio Lower Upper
43 100
74 14.9 20.2 30.2#



#20
Methylene Chloride
Concen: 4.079 ug/l
RT: 3.051 min Scan# 532
Delta R.T. 0.003 min
Lab File: VU045689.D
Acq: 10 Nov 2021 15:45

Tgt Ion: 84 Resp: 6805
Ion Ratio Lower Upper
84 100
49 119.5 96.4 144.6
51 35.7 30.5 45.7
86 57.1 50.3 75.5

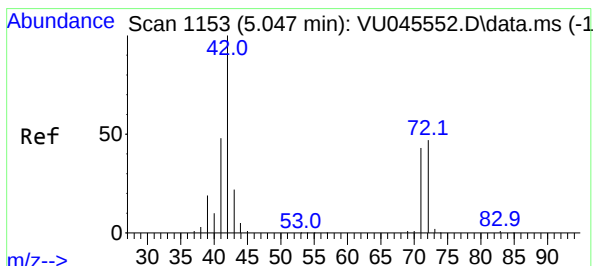
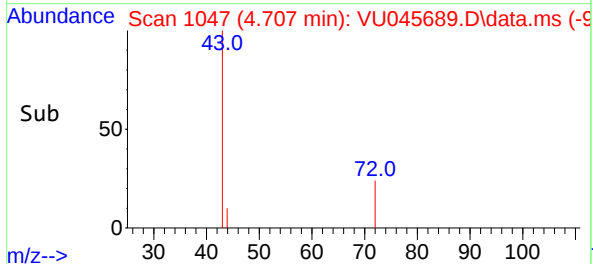
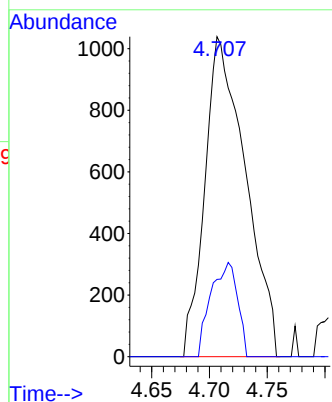
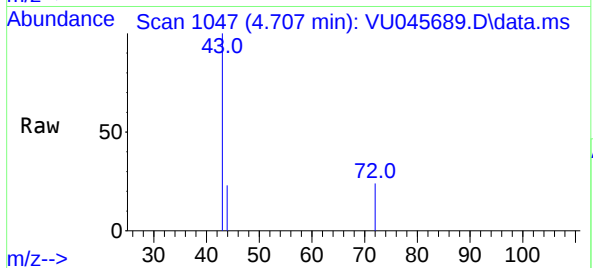




#25
2-Butanone
Concen: 1.909 ug/l
RT: 4.707 min Scan# 1045
Delta R.T. 0.006 min
Lab File: VU045689.D
Acq: 10 Nov 2021 15:45

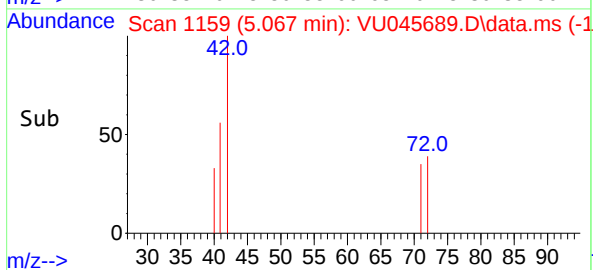
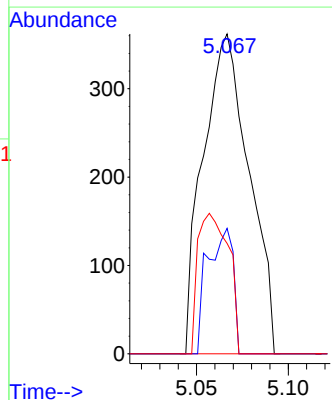
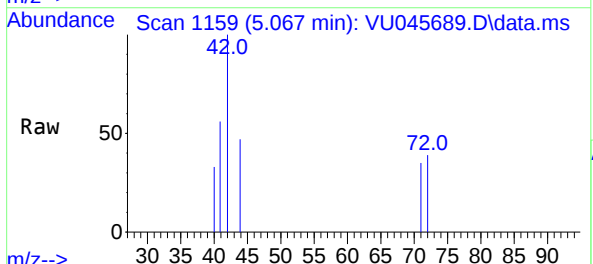
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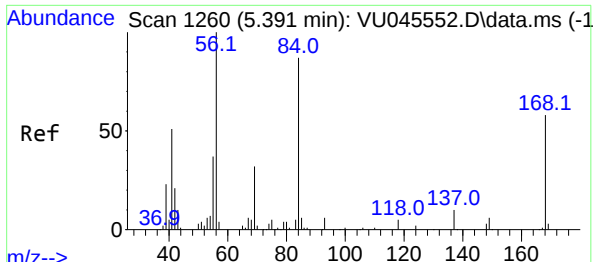
Tgt Ion: 43 Resp: 2543
Ion Ratio Lower Upper
43 100
72 24.2 22.0 33.0



#29
Tetrahydrofuran
Concen: 0.775 ug/l
RT: 5.067 min Scan# 1159
Delta R.T. 0.019 min
Lab File: VU045689.D
Acq: 10 Nov 2021 15:45

Tgt Ion: 42 Resp: 631
Ion Ratio Lower Upper
42 100
72 21.9 38.2 57.4#
71 29.3 35.4 53.2#

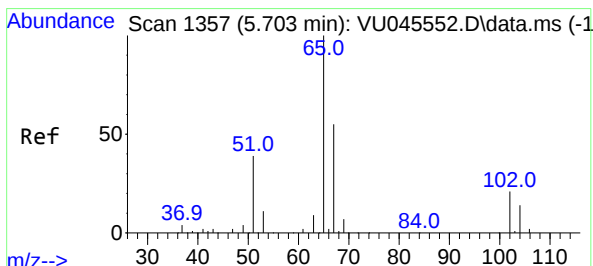
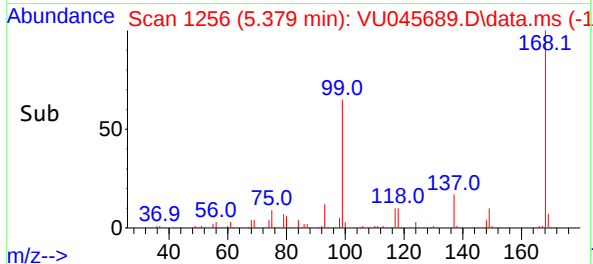
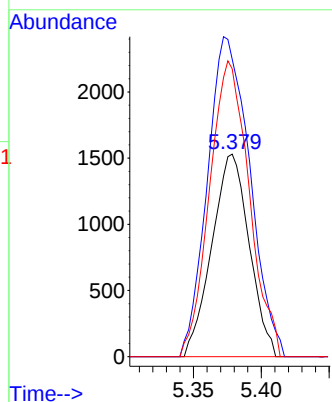
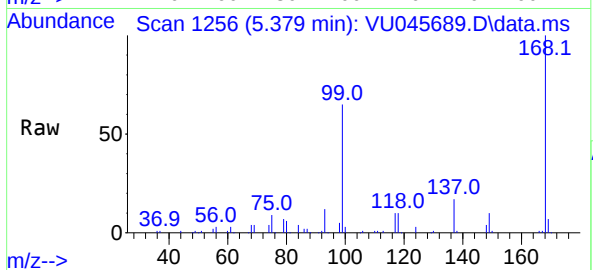




#31
Cyclohexane
Concen: 1.065 ug/l
RT: 5.379 min Scan# 1260
Delta R.T. -0.013 min
Lab File: VU045689.D
Acq: 10 Nov 2021 15:45

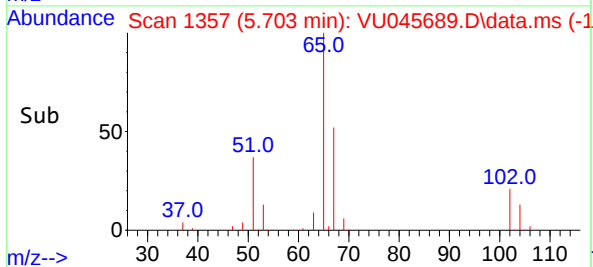
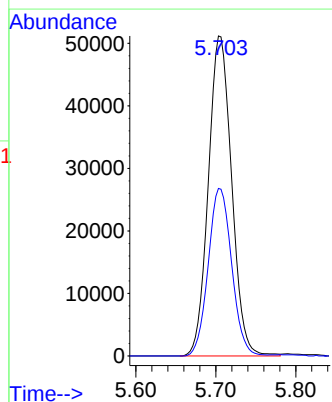
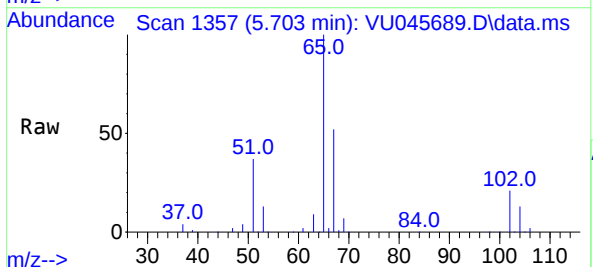
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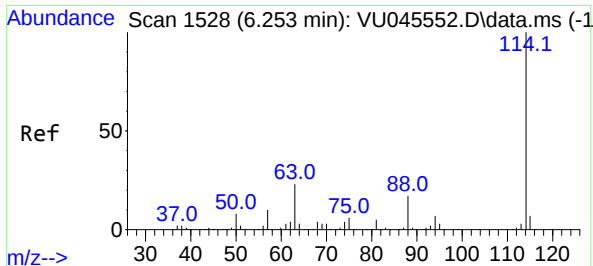
Tgt Ion: 56 Resp: 2930
Ion Ratio Lower Upper
56 100
69 146.8 26.4 39.6#
84 142.1 68.4 102.6#



#33
1,2-Dichloroethane-d4
Concen: 54.952 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. 0.000 min
Lab File: VU045689.D
Acq: 10 Nov 2021 15:45

Tgt Ion: 65 Resp: 103656
Ion Ratio Lower Upper
65 100
67 52.7 0.0 105.8

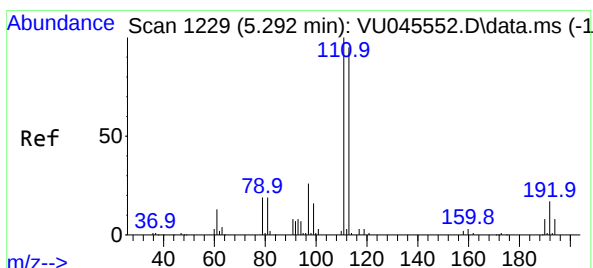
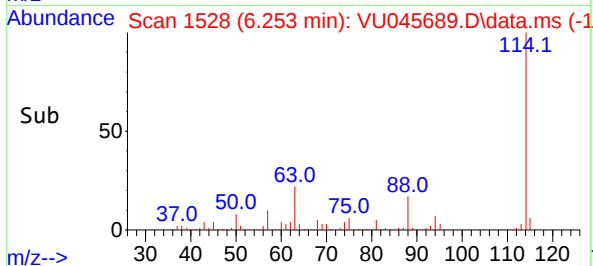
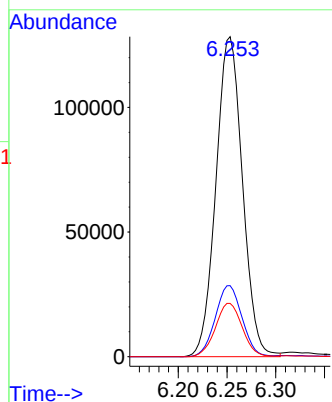
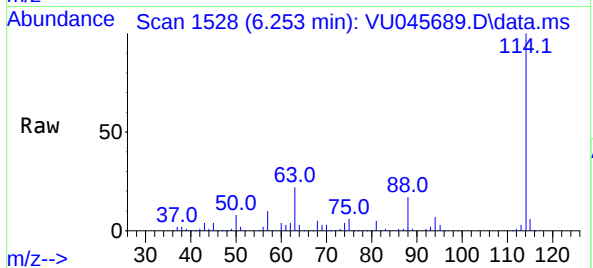




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.253 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU045689.D
Acq: 10 Nov 2021 15:45

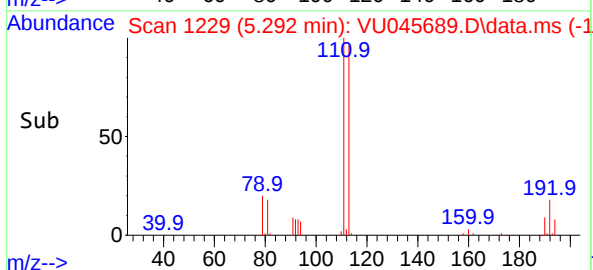
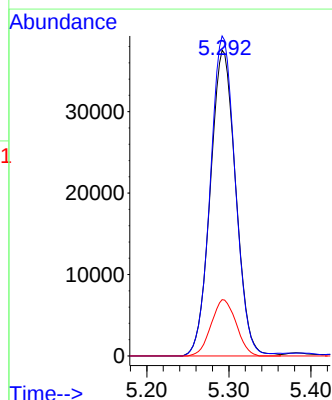
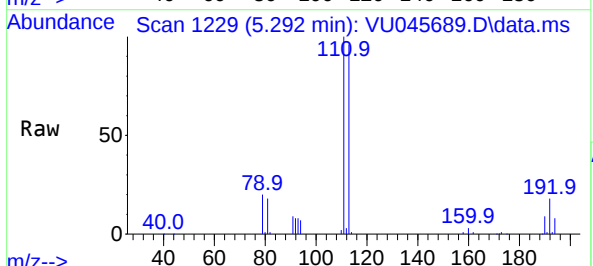
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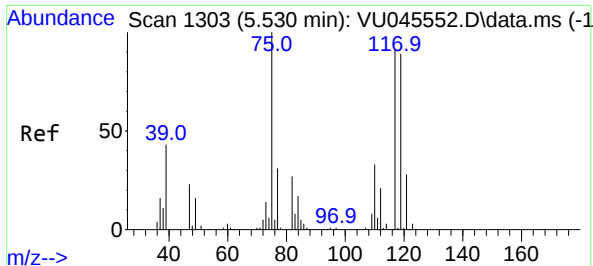
Tgt Ion:114 Resp: 243436
Ion Ratio Lower Upper
114 100
63 22.2 0.0 45.6
88 16.6 0.0 33.8



#35
Dibromofluoromethane
Concen: 49.750 ug/l
RT: 5.292 min Scan# 1229
Delta R.T. 0.000 min
Lab File: VU045689.D
Acq: 10 Nov 2021 15:45

Tgt Ion:113 Resp: 80858
Ion Ratio Lower Upper
113 100
111 102.6 82.8 124.2
192 18.1 14.8 22.2

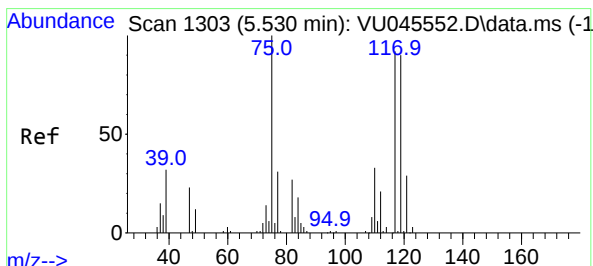
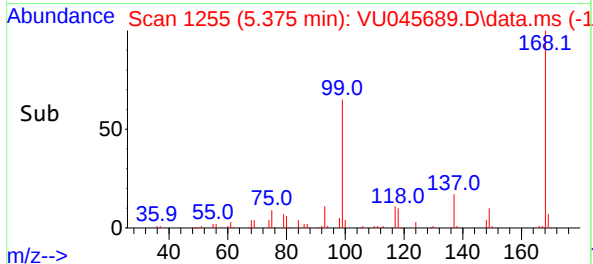
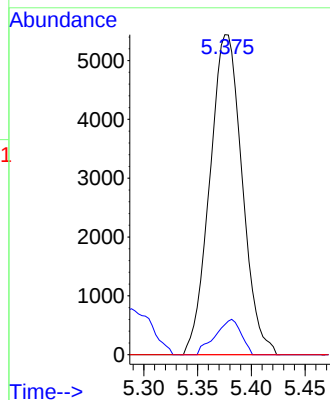
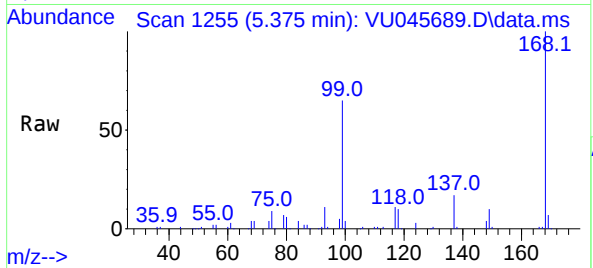




#36
1,1-Dichloropropene
Concen: 4.802 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.154 min
Lab File: VU045689.D
Acq: 10 Nov 2021 15:45

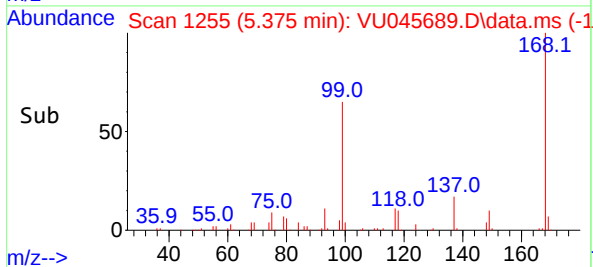
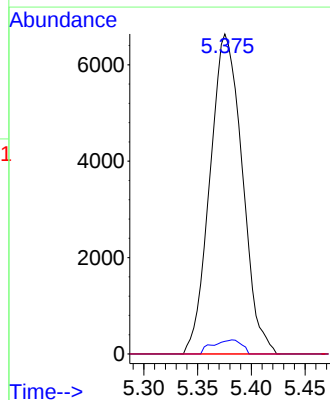
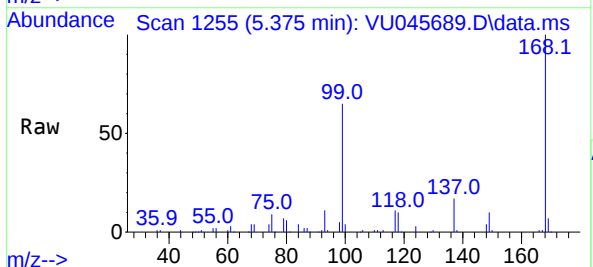
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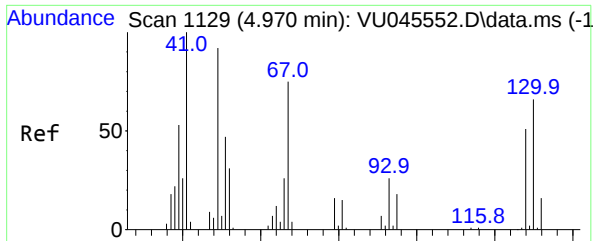
Tgt Ion: 75 Resp: 11399
Ion Ratio Lower Upper
75 100
110 8.8 16.7 50.0#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.798 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.154 min
Lab File: VU045689.D
Acq: 10 Nov 2021 15:45

Tgt Ion: 117 Resp: 13874
Ion Ratio Lower Upper
117 100
119 3.9 77.4 116.0#
121 0.0 24.8 37.2#

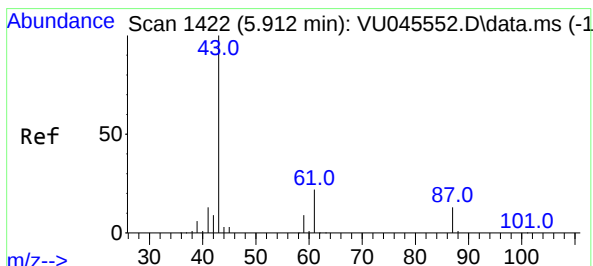
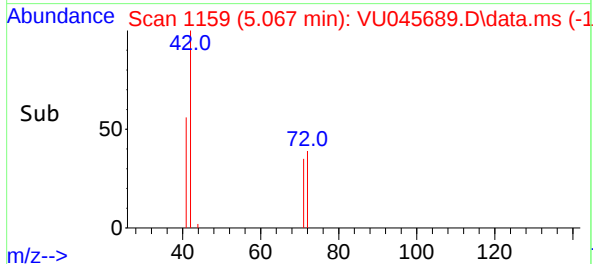
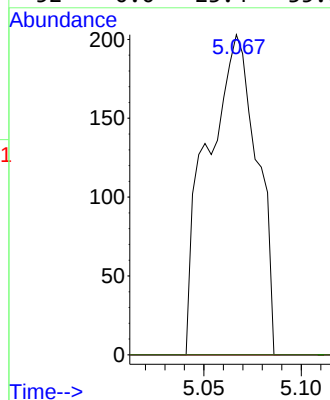
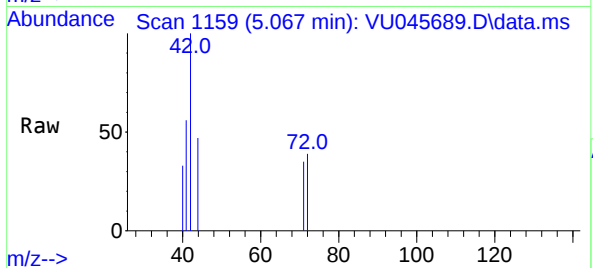




#41
Methacrylonitrile
Concen: 0.250 ug/l
RT: 5.067 min Scan# 1129
Delta R.T. 0.096 min
Lab File: VU045689.D
Acq: 10 Nov 2021 15:45

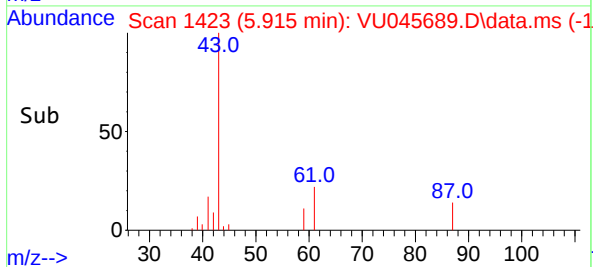
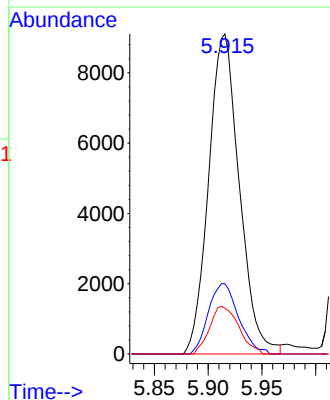
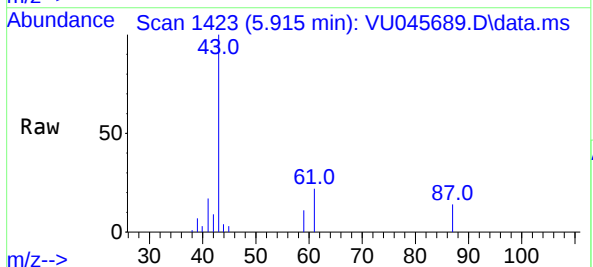
Instrument :
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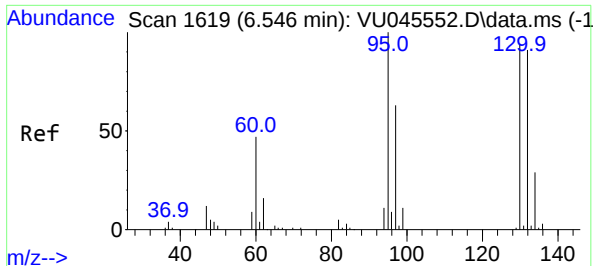
Tgt Ion: 41	Resp: 360
Ion Ratio	Lower Upper
41 100	
39 0.0	43.4 65.0#
67 0.0	61.0 91.4#
52 0.0	23.4 35.0#



#43
Isopropyl Acetate
Concen: 4.334 ug/l
RT: 5.915 min Scan# 1423
Delta R.T. 0.003 min
Lab File: VU045689.D
Acq: 10 Nov 2021 15:45

Tgt Ion: 43	Resp: 18077
Ion Ratio	Lower Upper
43 100	
61 21.6	16.9 25.3
87 14.1	11.0 16.4

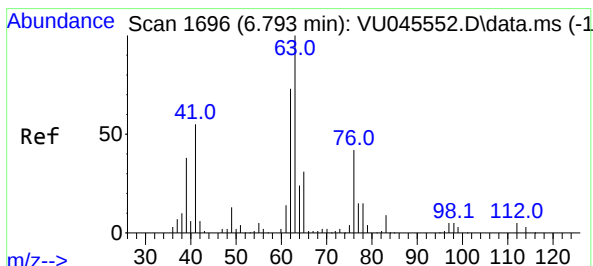
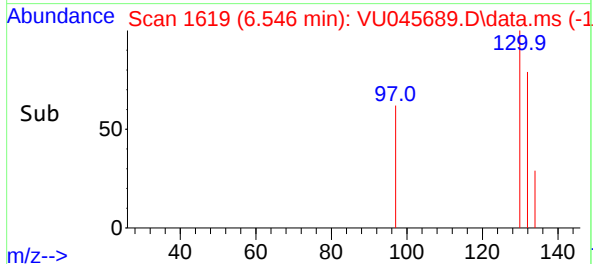
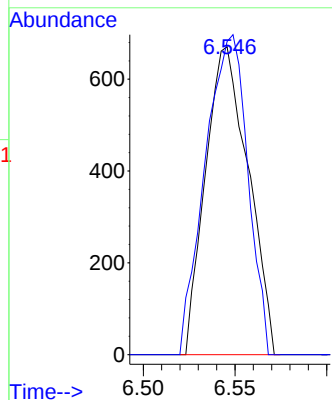
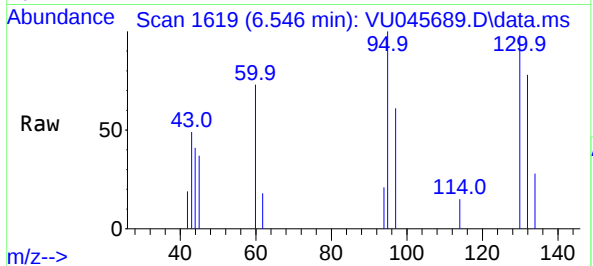




#44
Trichloroethene
Concen: 0.647 ug/l
RT: 6.546 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU045689.D
Acq: 10 Nov 2021 15:45

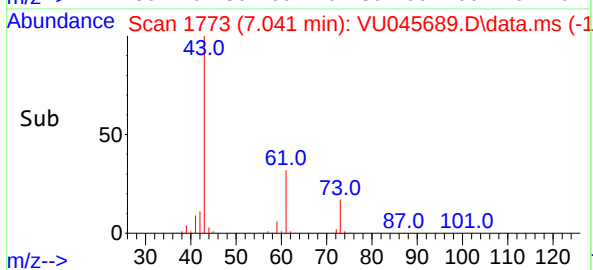
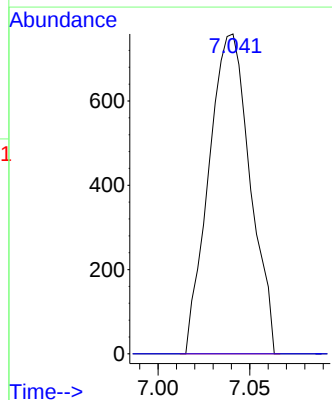
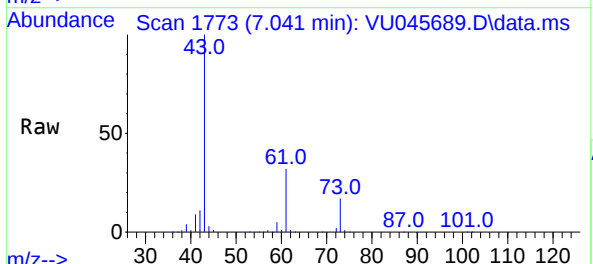
Instrument :
MSVOA_U
ClientSampleId :
VNJ-203

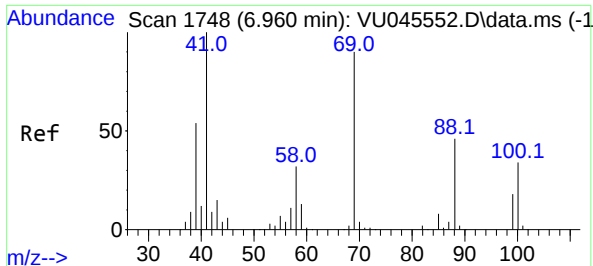
Tgt Ion:130 Resp: 1089
Ion Ratio Lower Upper
130 100
95 101.6 0.0 211.4



#45
1,2-Dichloropropane
Concen: 0.640 ug/l
RT: 7.041 min Scan# 1773
Delta R.T. 0.248 min
Lab File: VU045689.D
Acq: 10 Nov 2021 15:45

Tgt Ion: 63 Resp: 1191
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#





#48

Methyl methacrylate

Concen: 3.036 ug/l

RT: 6.893 min Scan# 1

Delta R.T. -0.067 min

Lab File: VU045689.D

Acq: 10 Nov 2021 15:45

Instrument :

MSVOA_U

ClientSampleId :

VNJ-203

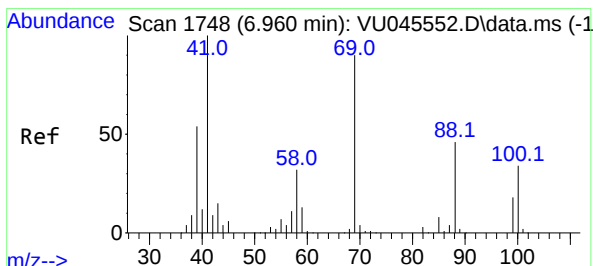
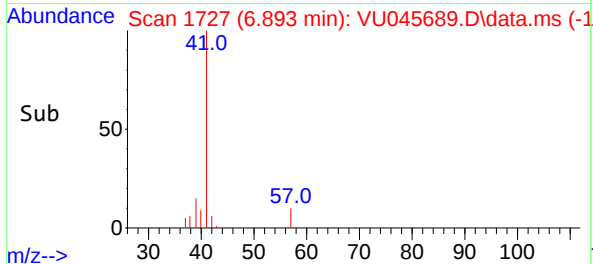
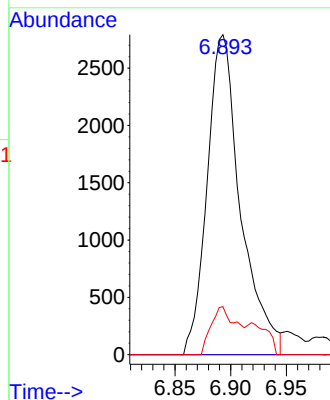
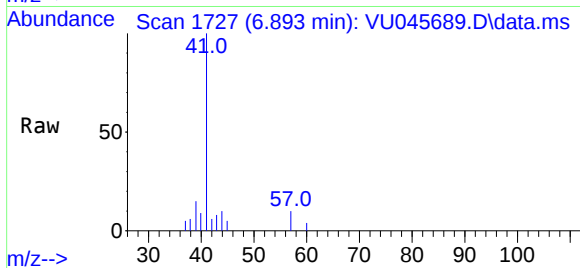
Tgt Ion: 41 Resp: 5827

Ion Ratio Lower Upper

41 100

69 0.0 70.2 105.2#

39 0.0 43.9 65.9#



#49

1,4-Dioxane

Concen: 0.831 ug/l

RT: 7.050 min Scan# 1776

Delta R.T. 0.090 min

Lab File: VU045689.D

Acq: 10 Nov 2021 15:45

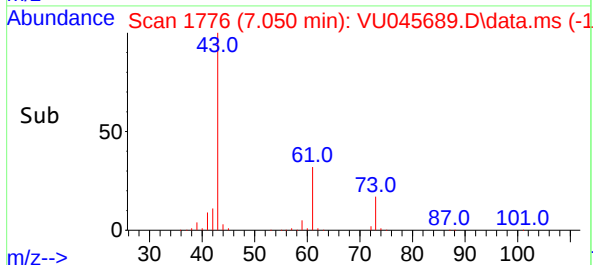
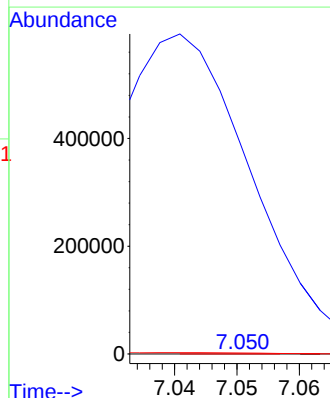
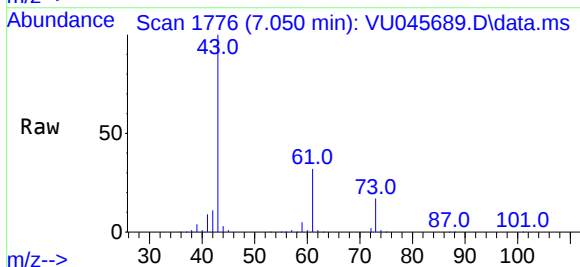
Tgt Ion: 88 Resp: 41

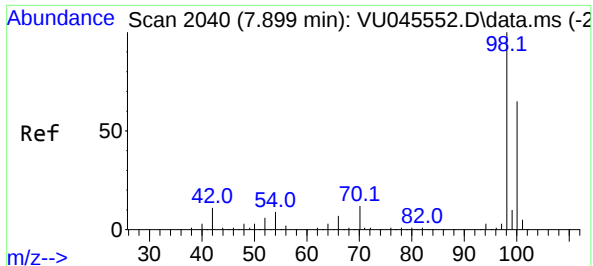
Ion Ratio Lower Upper

88 100

43 2499956.1 0.0 0.0#

58 11380.5 58.7 88.1#

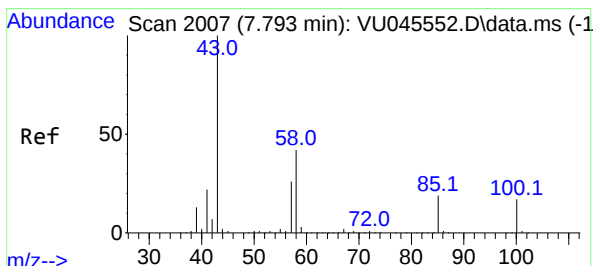
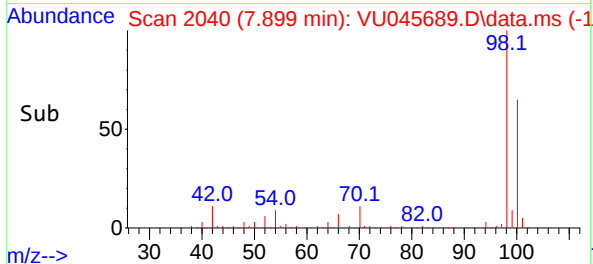
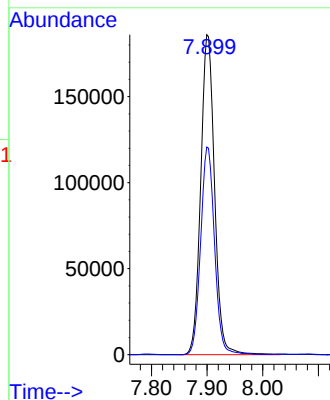
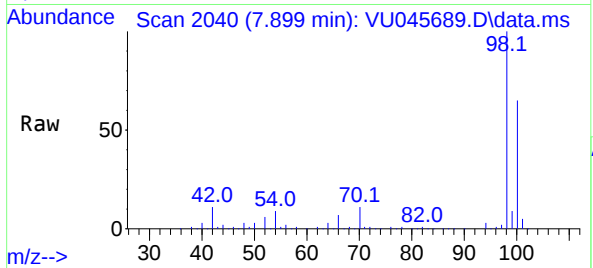




#50
Toluene-d8
Concen: 53.210 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. 0.000 min
Lab File: VU045689.D
Acq: 10 Nov 2021 15:45

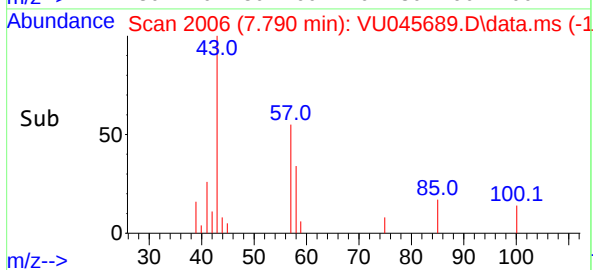
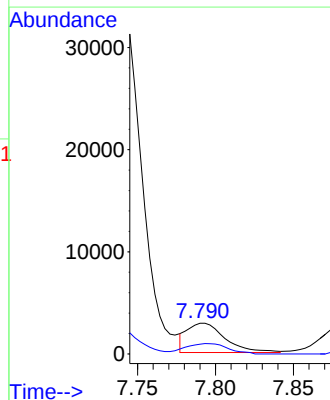
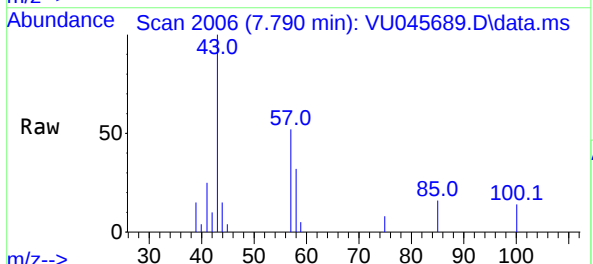
Instrument :
MSVOA_U
ClientSampleId :
VNJ-203

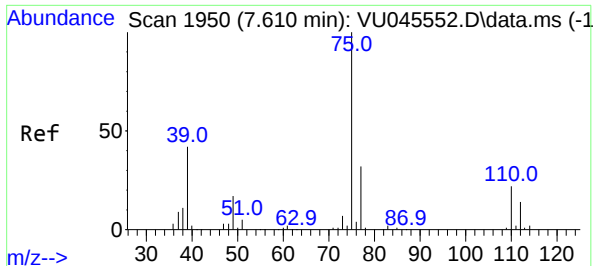
Tgt Ion: 98 Resp: 321582
Ion Ratio Lower Upper
98 100
100 64.9 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.770 ug/l
RT: 7.790 min Scan# 2006
Delta R.T. -0.003 min
Lab File: VU045689.D
Acq: 10 Nov 2021 15:45

Tgt Ion: 43 Resp: 4870
Ion Ratio Lower Upper
43 100
58 39.2 33.8 50.8

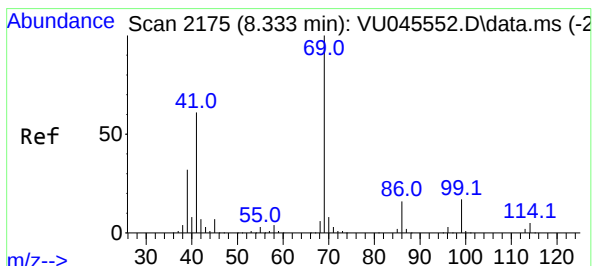
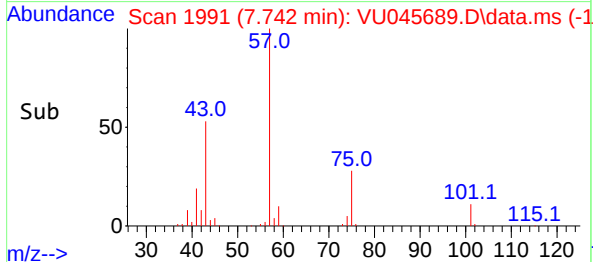
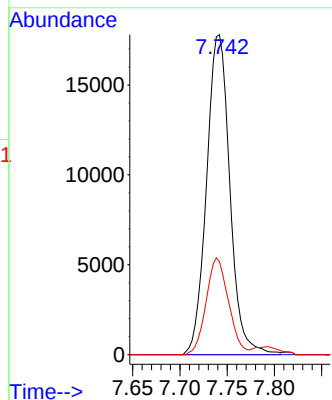
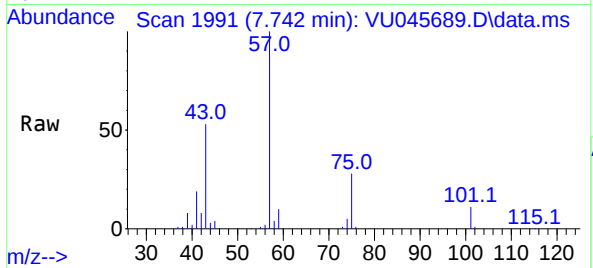




#54
cis-1,3-Dichloropropene
Concen: 10.251 ug/l
RT: 7.742 min Scan# 1950
Delta R.T. 0.132 min
Lab File: VU045689.D
Acq: 10 Nov 2021 15:45

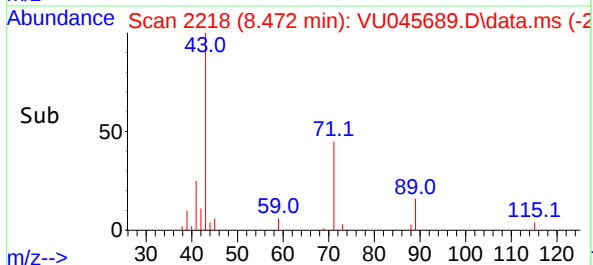
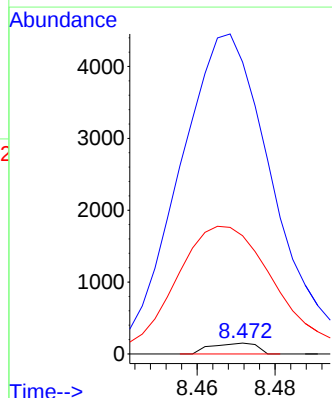
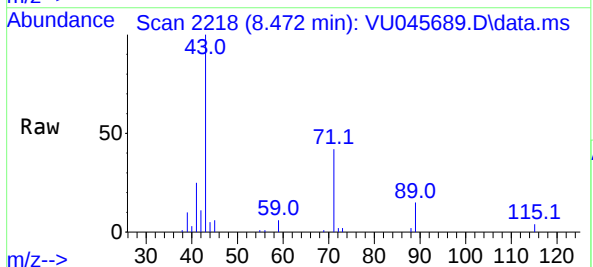
Instrument :
MSVOA_U
ClientSampleId :
VNJ-203

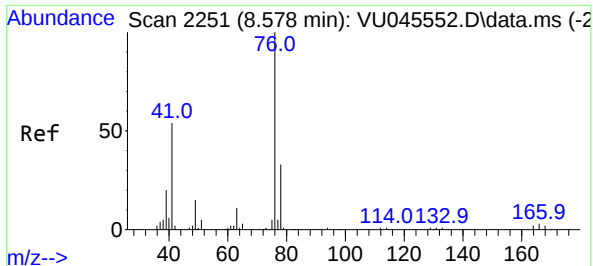
Tgt Ion: 75 Resp: 30593
Ion Ratio Lower Upper
75 100
77 0.0 24.6 37.0#
39 29.1 37.1 55.7#



#56
Ethyl methacrylate
Concen: 2.460 ug/l
RT: 8.472 min Scan# 2218
Delta R.T. 0.139 min
Lab File: VU045689.D
Acq: 10 Nov 2021 15:45

Tgt Ion: 69 Resp: 122
Ion Ratio Lower Upper
69 100
41 6325.4 51.0 76.4#
39 2657.4 26.6 39.8#

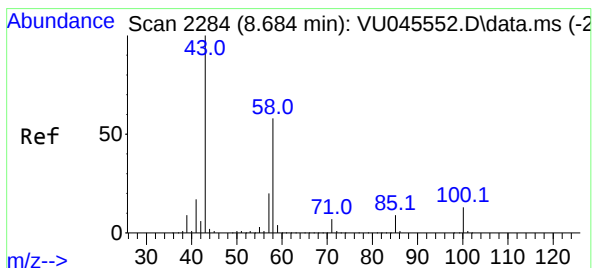
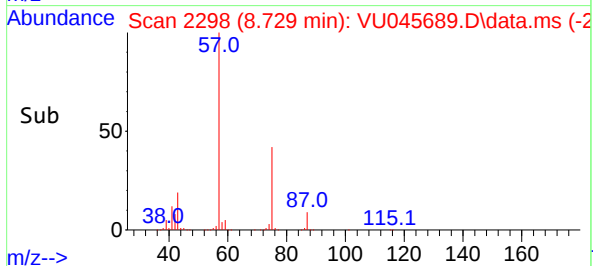
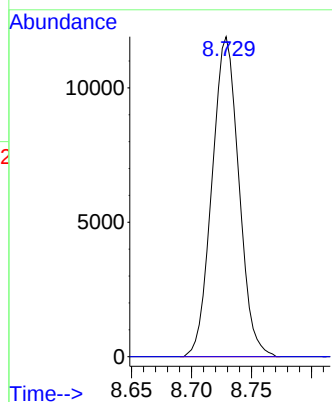
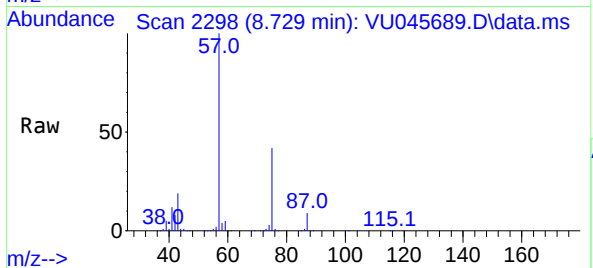




#57
1,3-Dichloropropane
Concen: 5.762 ug/l
RT: 8.729 min Scan# 21
Delta R.T. 0.151 min
Lab File: VU045689.D
Acq: 10 Nov 2021 15:45

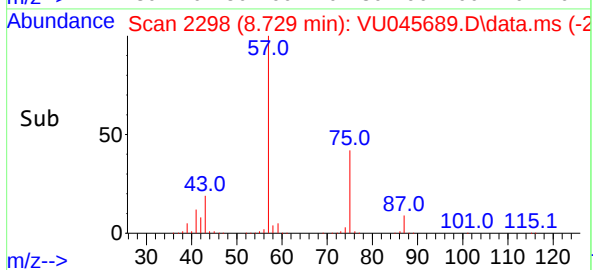
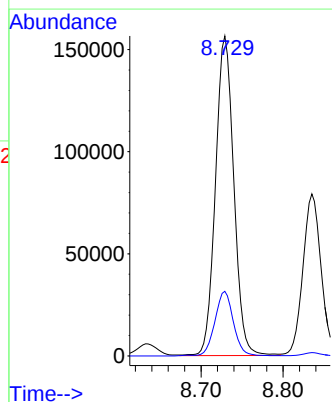
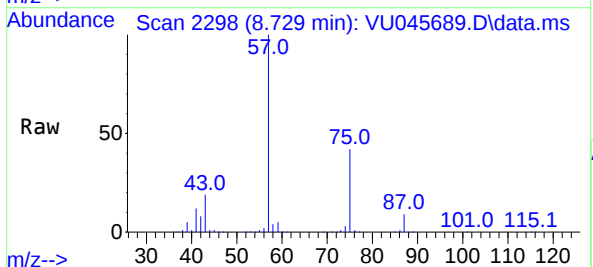
Instrument :
MSVOA_U
ClientSampleId :
VNJ-203

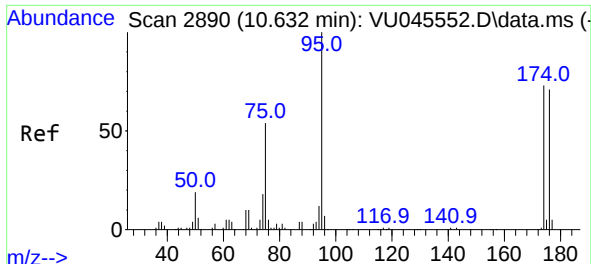
Tgt Ion: 76 Resp: 18507
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#



#59
2-Hexanone
Concen: 105.873 ug/l
RT: 8.729 min Scan# 2298
Delta R.T. 0.045 min
Lab File: VU045689.D
Acq: 10 Nov 2021 15:45

Tgt Ion: 43 Resp: 242723
Ion Ratio Lower Upper
43 100
58 20.1 29.5 88.6#

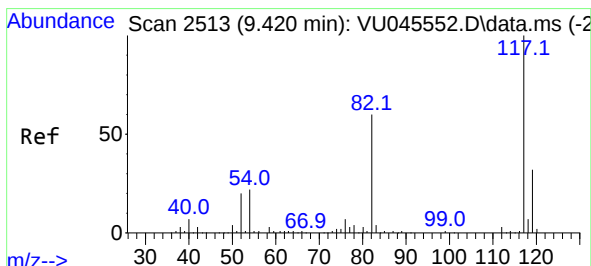
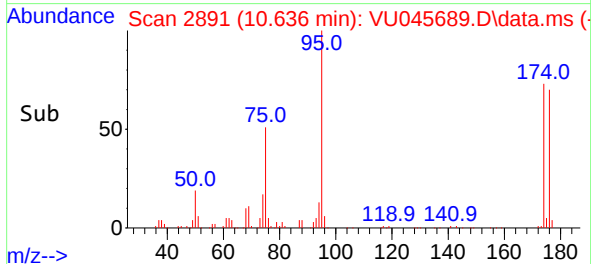
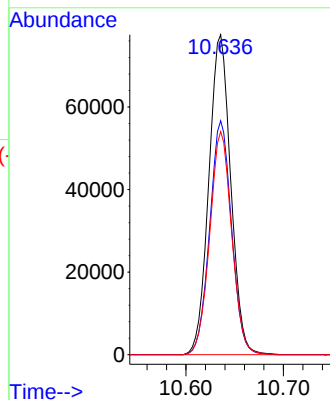
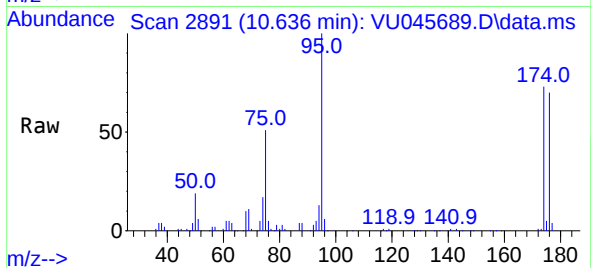




#62
4-Bromofluorobenzene
Concen: 49.888 ug/l
RT: 10.636 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU045689.D
Acq: 10 Nov 2021 15:45

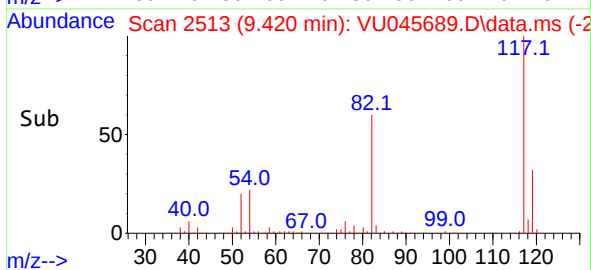
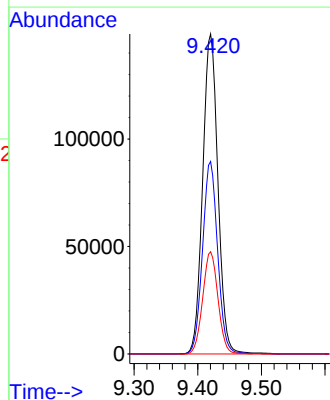
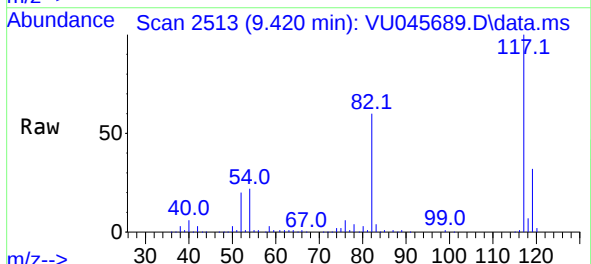
Instrument :
MSVOA_U
ClientSampleId :
VNJ-203

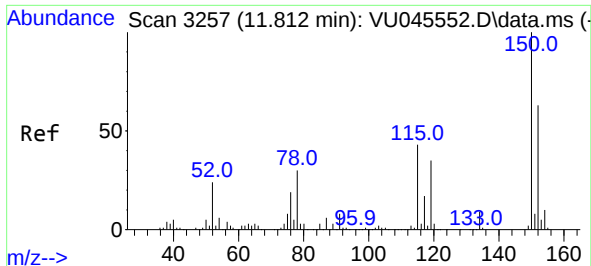
Tgt Ion: 95 Resp: 120902
Ion Ratio Lower Upper
95 100
174 73.2 0.0 141.8
176 69.9 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045689.D
Acq: 10 Nov 2021 15:45

Tgt Ion: 117 Resp: 248112
Ion Ratio Lower Upper
117 100
82 60.2 47.8 71.8
119 32.0 25.8 38.8

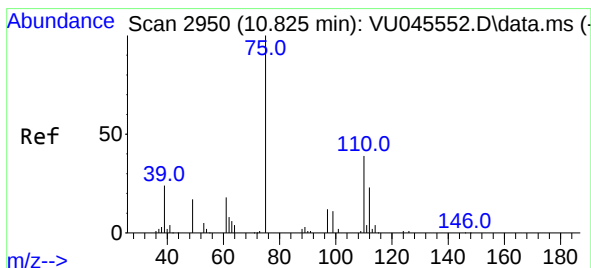
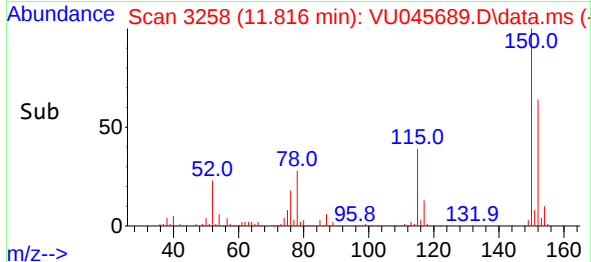
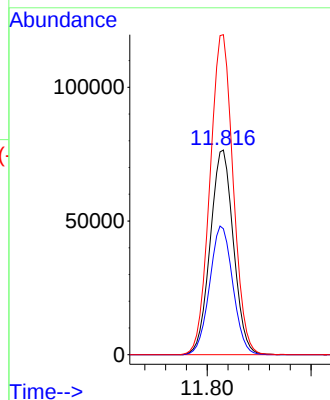
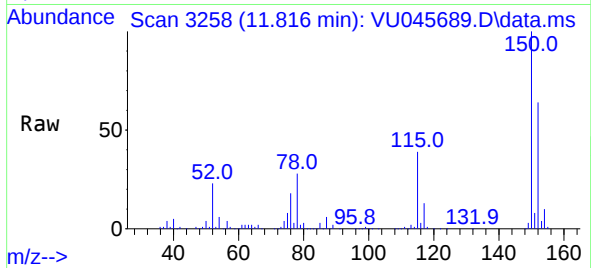




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.816 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU045689.D
Acq: 10 Nov 2021 15:45

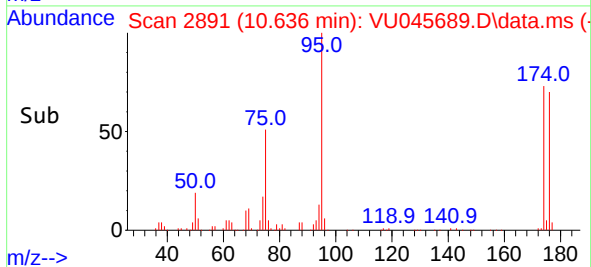
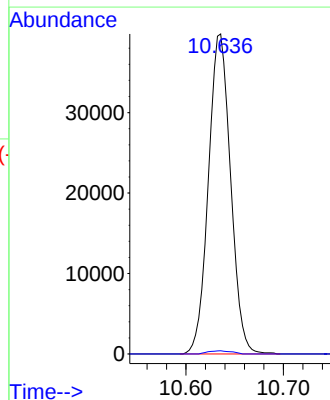
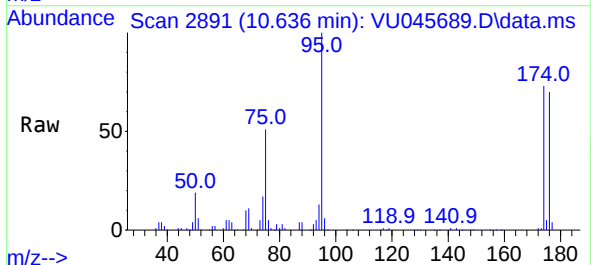
Instrument :
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ClientSampleId :
VNJ-203

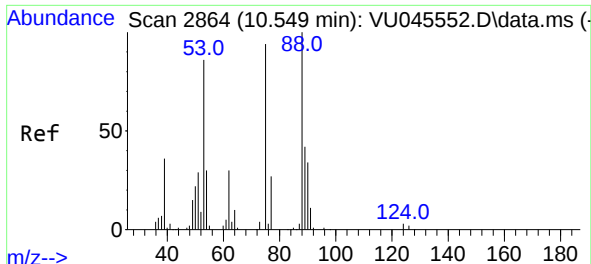
Tgt Ion:152 Resp: 118823
Ion Ratio Lower Upper
152 100
115 62.6 42.7 128.1
150 156.0 0.0 346.8



#76
1,2,3-Trichloropropane
Concen: 17.477 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. -0.190 min
Lab File: VU045689.D
Acq: 10 Nov 2021 15:45

Tgt Ion: 75 Resp: 62977
Ion Ratio Lower Upper
75 100
77 1.1 17.1 51.3#

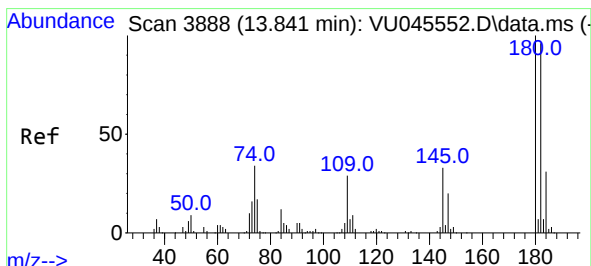
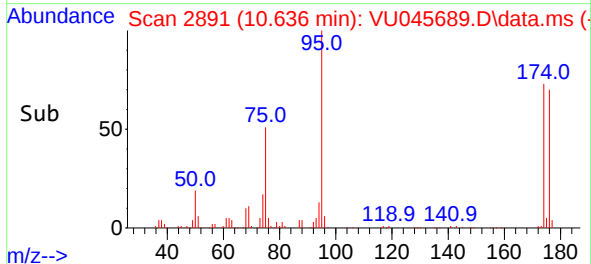
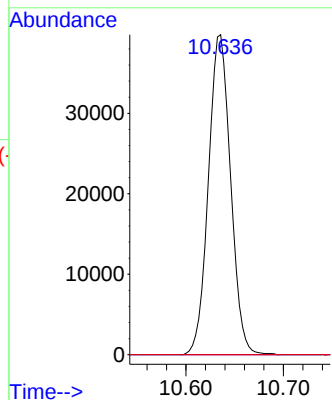
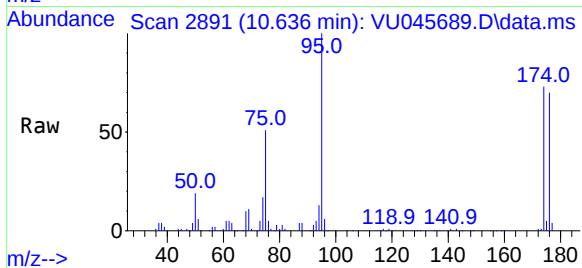




#81
trans-1,4-Dichloro-2-butene
Concen: 56.820 ug/l
RT: 10.636 min Scan# 21
Delta R.T. 0.087 min
Lab File: VU045689.D
Acq: 10 Nov 2021 15:45

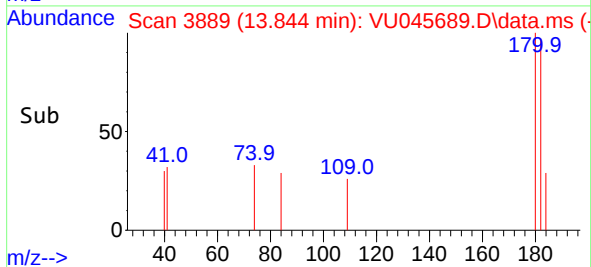
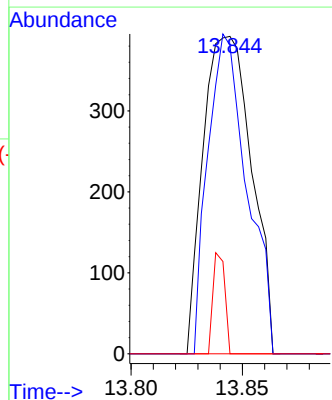
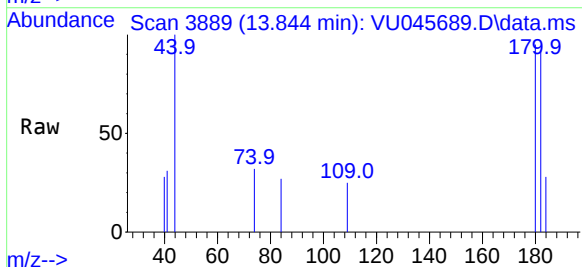
Instrument :
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ClientSampleId :
VNJ-203

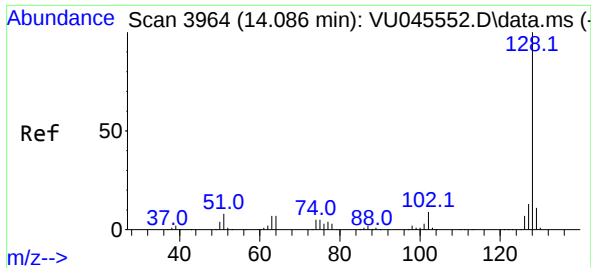
Tgt Ion: 75 Resp: 62977
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#



#93
1,2,4-Trichlorobenzene
Concen: 0.232 ug/l
RT: 13.844 min Scan# 3889
Delta R.T. 0.003 min
Lab File: VU045689.D
Acq: 10 Nov 2021 15:45

Tgt Ion:180 Resp: 594
Ion Ratio Lower Upper
180 100
182 81.3 47.0 141.2
145 7.7 15.6 46.7#





#95

Naphthalene

Concen: 1.153 ug/l

RT: 14.092 min Scan# 3966

Delta R.T. 0.006 min

Lab File: VU045689.D

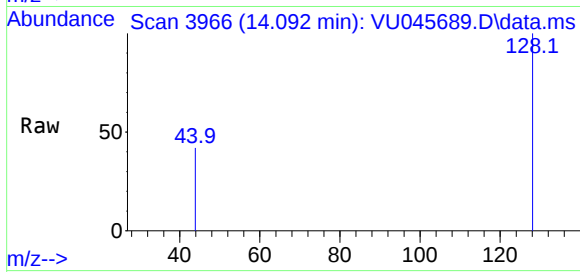
Acq: 10 Nov 2021 15:45

Instrument :

MSVOA_U

ClientSampleId :

VNJ-203



Tgt Ion:128 Resp: 1220

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 8.6 13.0#

