

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121321\
 Data File : VD071301.D
 Acq On : 13 Dec 2021 17:24
 Operator : VA/SY
 Sample : M5032-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 14 08:14:49 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

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

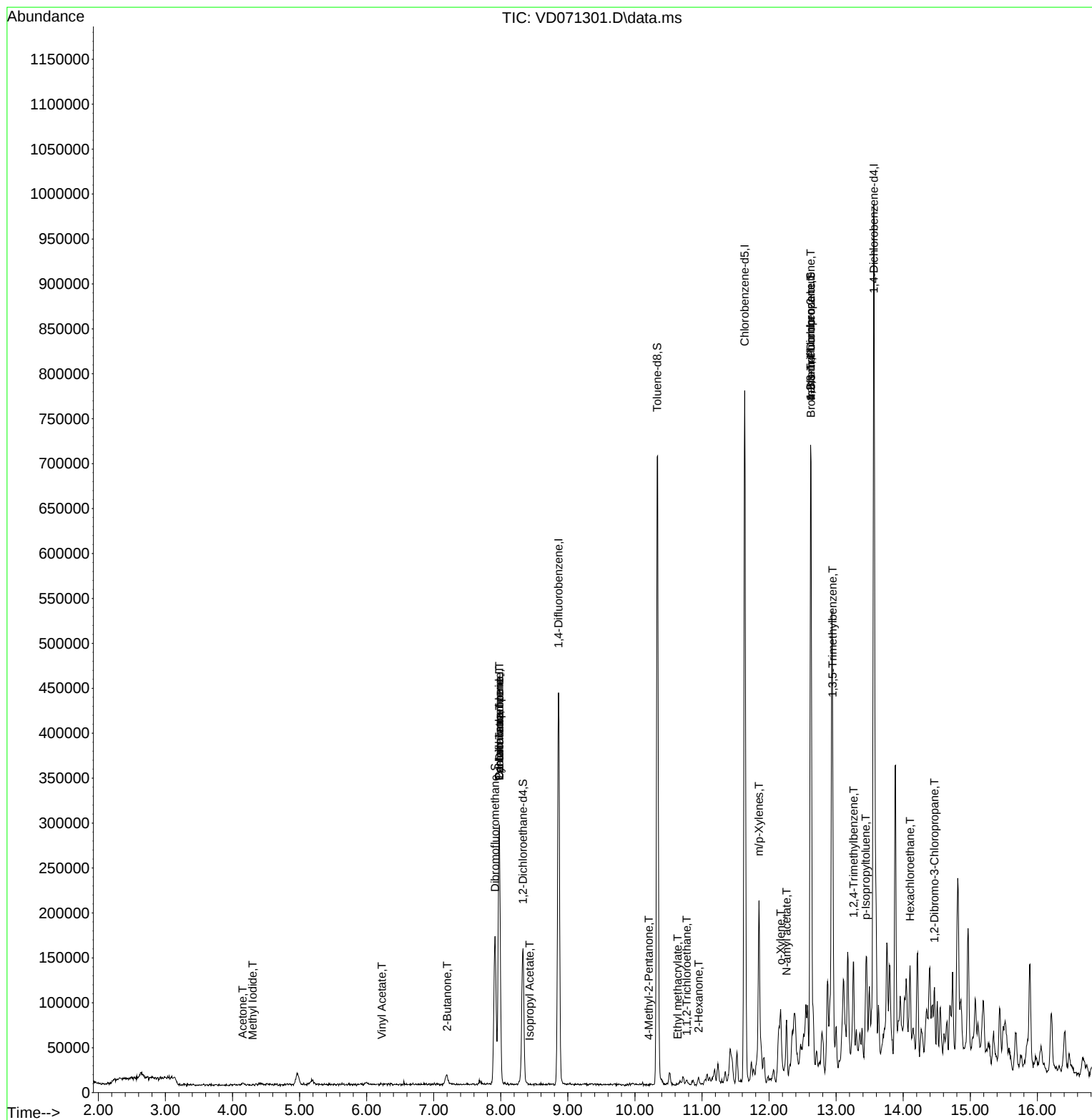
Internal Standards						
1) Pentafluorobenzene	7.979	168	202358	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	351652	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	406889	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	214254	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	123047	51.822	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery	= 103.640%		
35) Dibromofluoromethane	7.914	113	114043	50.928	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery	= 101.860%		
50) Toluene-d8	10.332	98	457331	53.667	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery	= 107.340%		
62) 4-Bromofluorobenzene	12.620	95	213466	72.266	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery	= 144.540%#		
Target Compounds						
						Qvalue
10) Methyl Iodide	4.303	142	61	4.584	ug/l #	40
11) Tert butyl alcohol	5.191	59	3775	Below Cal	#	71
16) Acetone	4.150	43	1657	33.100	ug/l #	66
20) Methylene Chloride	4.973	84	8475	Below Cal		94
23) Vinyl Acetate	6.226	43	54	27.231	ug/l #	72
25) 2-Butanone	7.202	43	760	29.284	ug/l #	45
31) Cyclohexane	7.979	56	5852	1.449	ug/l #	25
36) 1,1-Dichloropropene	7.979	75	19287	5.868	ug/l #	50
38) Carbon Tetrachloride	7.979	117	22614	6.980	ug/l #	17
41) Methacrylonitrile	7.561	41	182	Below Cal	#	25
43) Isopropyl Acetate	8.432	43	57	5.239	ug/l #	47
51) 4-Methyl-2-Pentanone	10.208	43	583	30.971	ug/l #	34
55) 1,1,2-Trichloroethane	10.773	97	2160	1.352	ug/l #	16
56) Ethyl methacrylate	10.638	69	176	6.038	ug/l #	1
59) 2-Hexanone	10.949	43	3249	36.895	ug/l #	22
68) m/p-Xylenes	11.849	106	9124	1.700	ug/l	90
69) o-Xylene	12.173	106	15070	2.988	ug/l	96
71) Bromoform	12.626	173	1753	1.228	ug/l #	1
74) N-amyl acetate	12.261	43	15742	8.985	ug/l #	68
76) 1,2,3-Trichloropropane	12.620	75	118994	58.293	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.949	105	54411	4.253	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.620	75	118994	126.372	ug/l #	18
84) 1,2,4-Trimethylbenzene	13.261	105	55843	4.471	ug/l	98
86) p-Isopropyltoluene	13.443	119	20998	1.530	ug/l	94
90) Hexachloroethane	14.102	117	4952	1.903	ug/l #	14
92) 1,2-Dibromo-3-Chloropr...	14.467	75	497	1.195	ug/l #	4

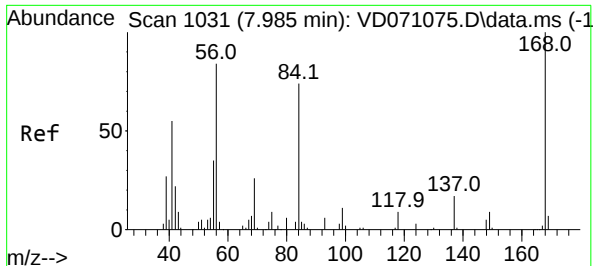
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121321\
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Instrument :
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Quant Time: Dec 14 08:14:49 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
Response via : Initial Calibration

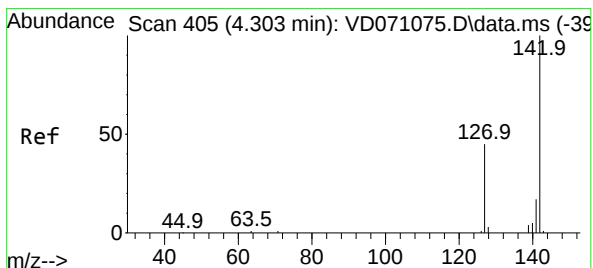
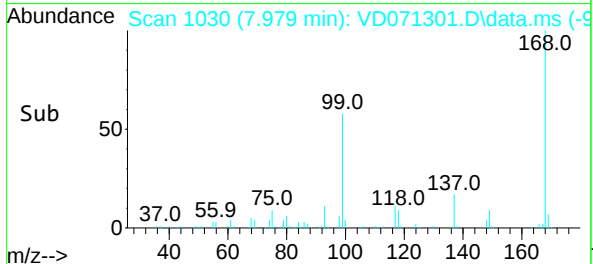
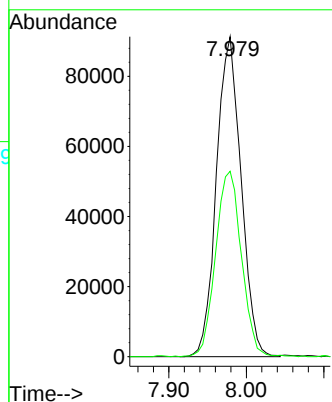
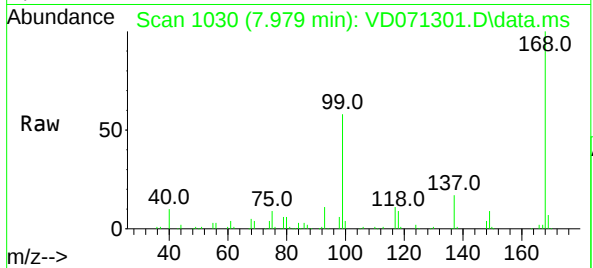




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071301.D
Acq: 13 Dec 2021 17:24

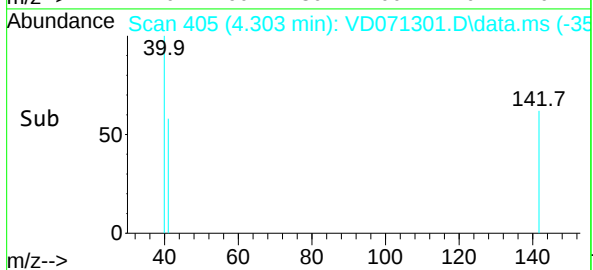
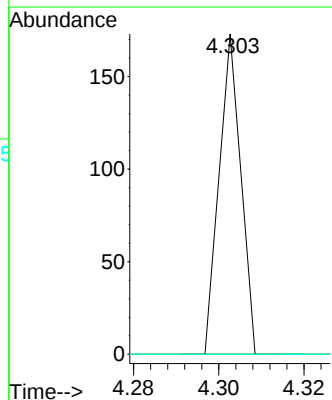
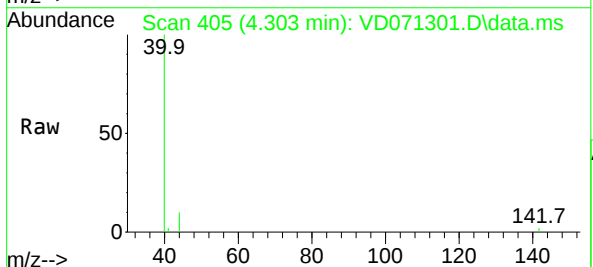
Instrument :
MSVOA_D
ClientSampleId :

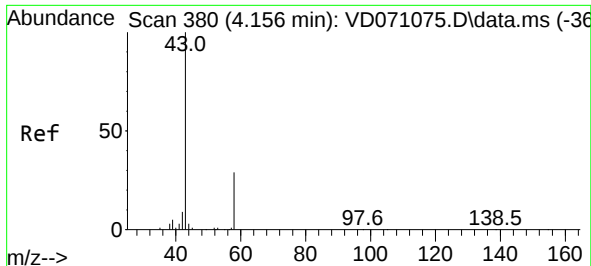
Tgt Ion:168 Resp: 202358
Ion Ratio Lower Upper
168 100
99 57.9 46.6 69.8



#10
Methyl Iodide
Concen: 4.584 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD071301.D
Acq: 13 Dec 2021 17:24

Tgt Ion:142 Resp: 61
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

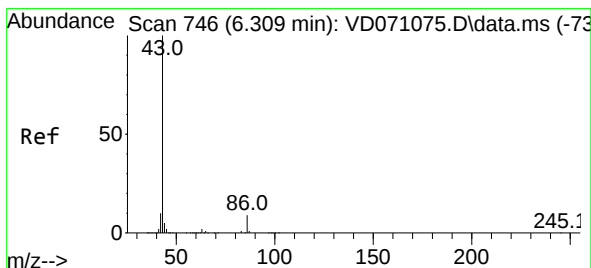
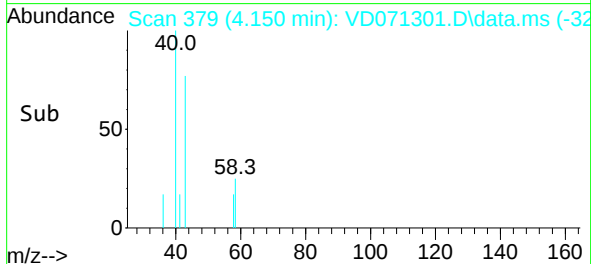
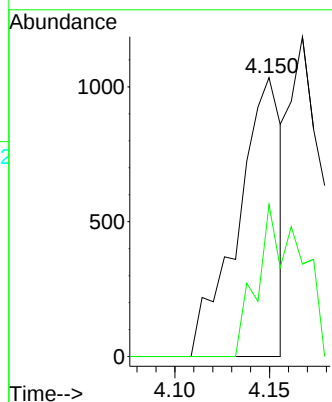
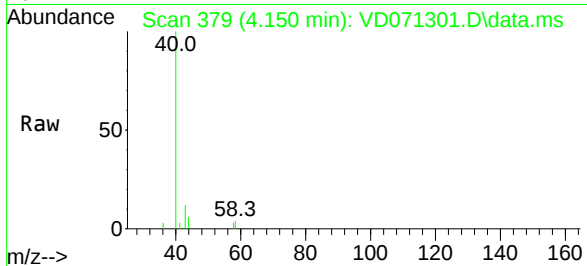




#16
Acetone
Concen: 33.100 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD071301.D
Acq: 13 Dec 2021 17:24

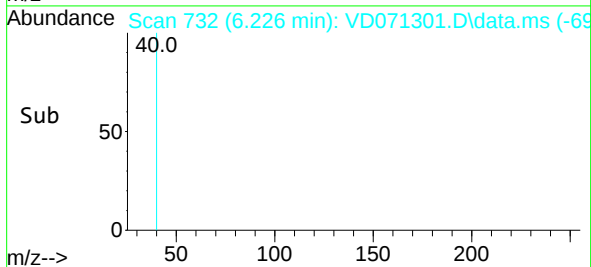
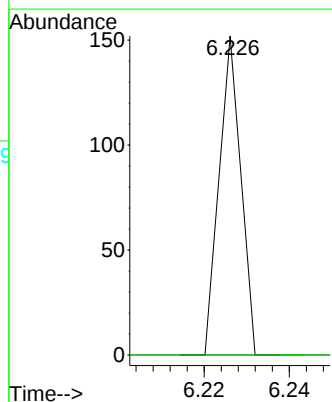
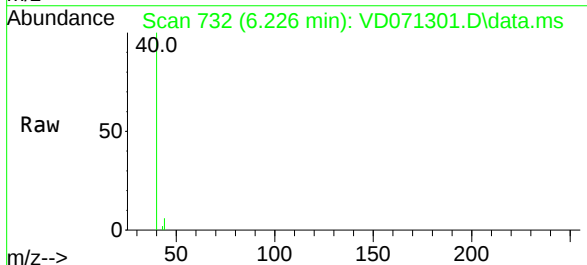
Instrument :
MSVOA_D
ClientSampleId :

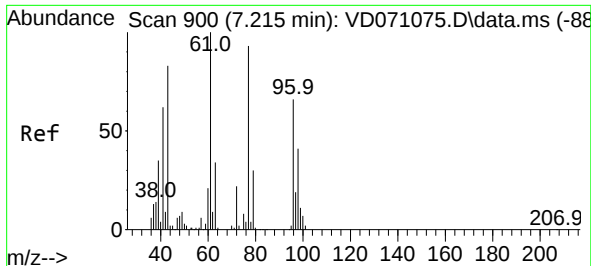
Tgt Ion: 43 Resp: 1657
Ion Ratio Lower Upper
43 100
58 54.5 27.8 41.8#



#23
Vinyl Acetate
Concen: 27.231 ug/l
RT: 6.226 min Scan# 732
Delta R.T. -0.083 min
Lab File: VD071301.D
Acq: 13 Dec 2021 17:24

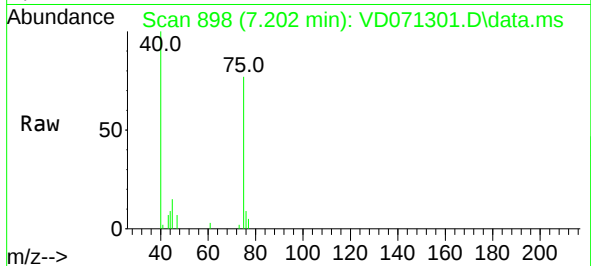
Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#



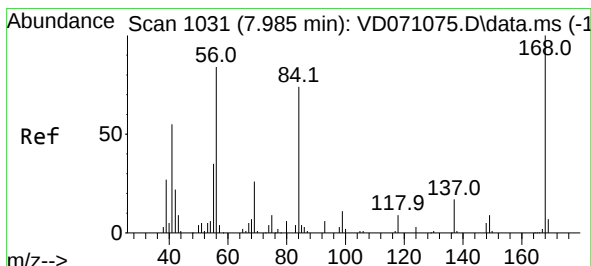
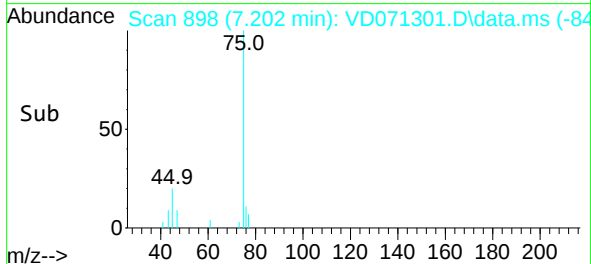
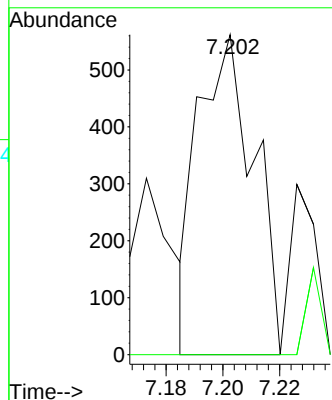


#25
2-Butanone
Concen: 29.284 ug/l
RT: 7.202 min Scan# 89
Delta R.T. -0.013 min
Lab File: VD071301.D
Acq: 13 Dec 2021 17:24

Instrument :
MSVOA_D
ClientSampleId :

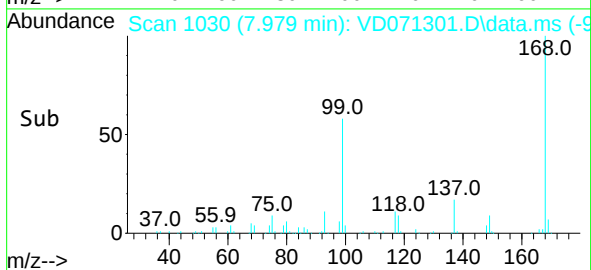
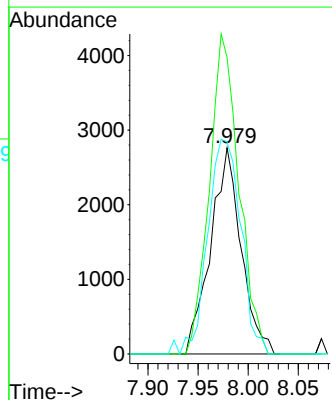
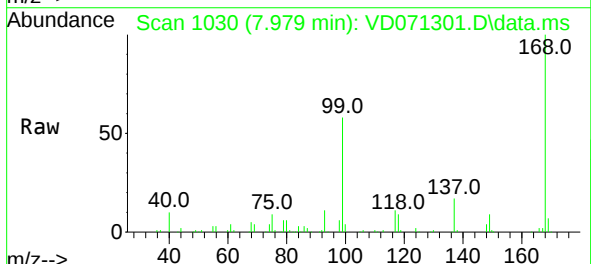


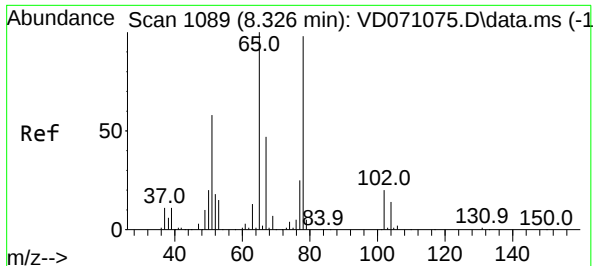
Tgt Ion: 43 Resp: 760
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#31
Cyclohexane
Concen: 1.449 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071301.D
Acq: 13 Dec 2021 17:24

Tgt Ion: 56 Resp: 5852
Ion Ratio Lower Upper
56 100
69 143.8 25.9 38.9#
84 102.9 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 51.822 ug/l

RT: 8.332 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VD071301.D

Acq: 13 Dec 2021 17:24

Instrument :

MSVOA_D

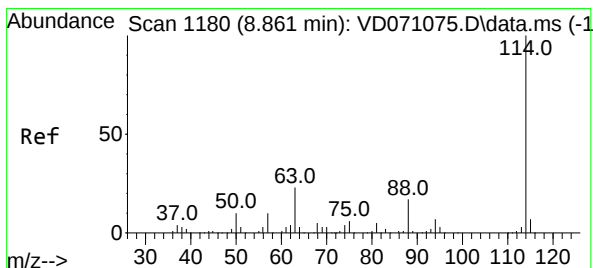
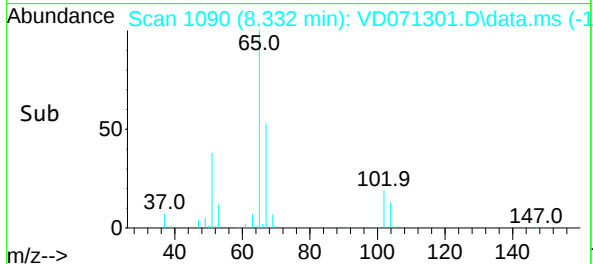
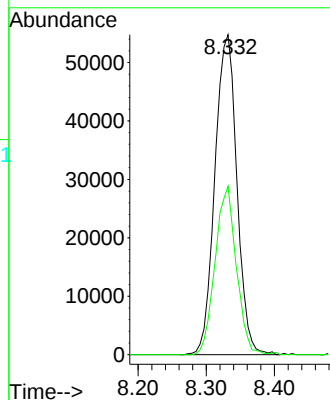
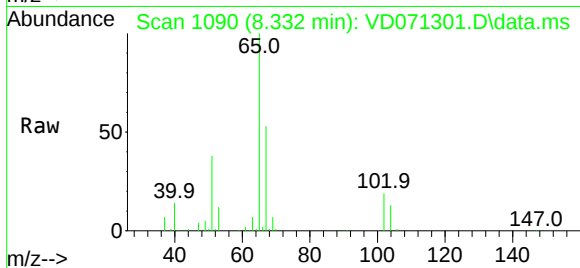
ClientSampleId :

Tgt Ion: 65 Resp: 123047

Ion Ratio Lower Upper

65 100

67 50.8 0.0 112.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071301.D

Acq: 13 Dec 2021 17:24

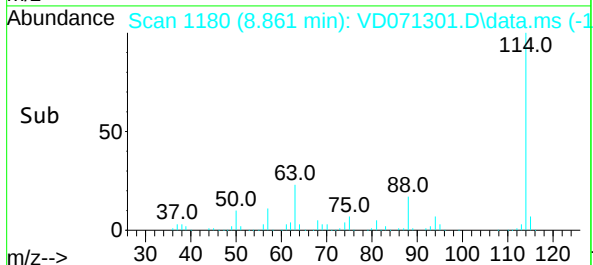
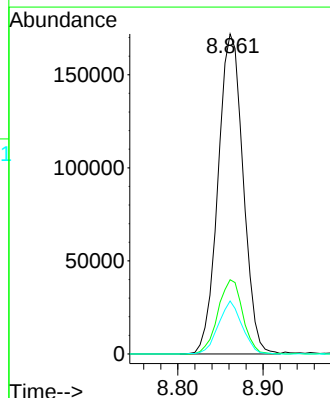
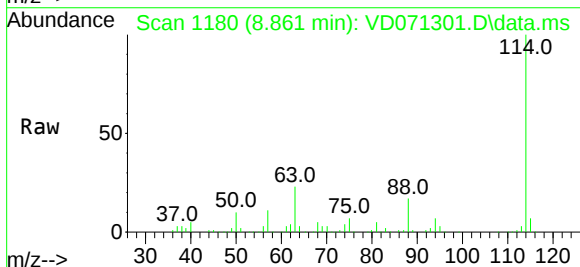
Tgt Ion: 114 Resp: 351652

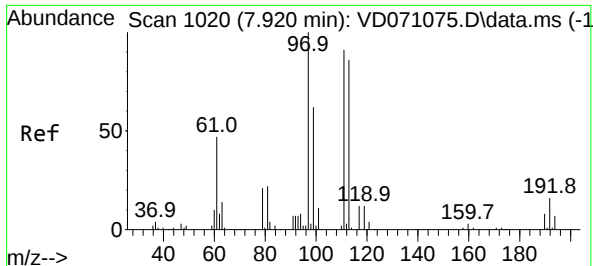
Ion Ratio Lower Upper

114 100

63 23.2 0.0 41.8

88 16.6 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.928 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

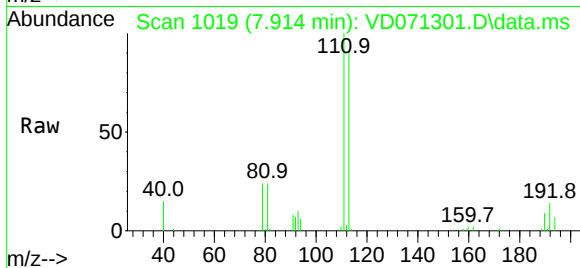
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Acq: 13 Dec 2021 17:24

Instrument :

MSVOA_D

ClientSampleId :



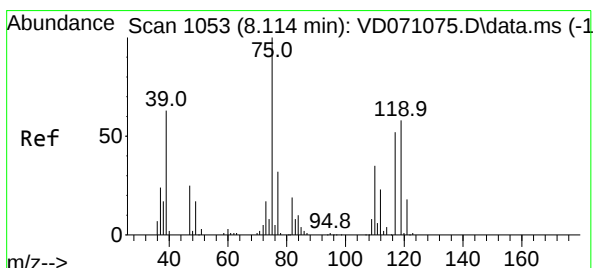
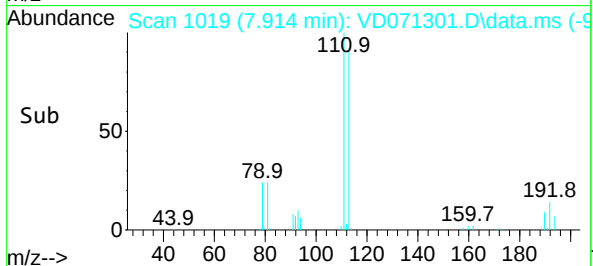
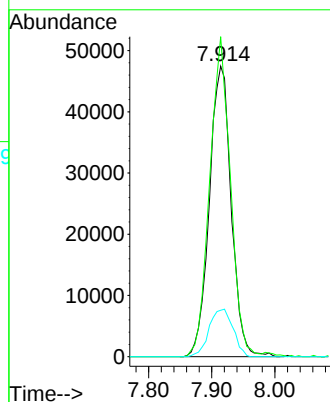
Tgt Ion:113 Resp: 114043

Ion Ratio Lower Upper

113 100

111 104.4 82.0 123.0

192 17.9 15.2 22.8



#36

1,1-Dichloropropene

Concen: 5.868 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD071301.D

Acq: 13 Dec 2021 17:24

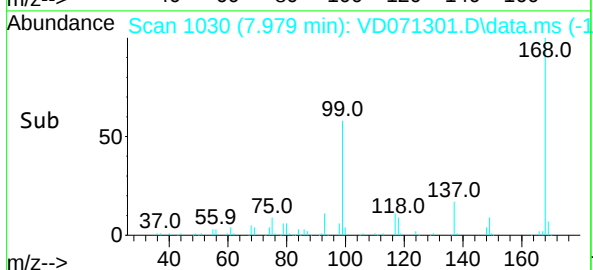
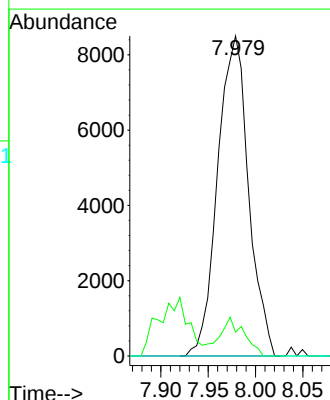
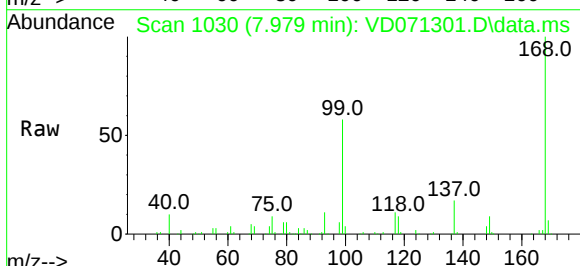
Tgt Ion: 75 Resp: 19287

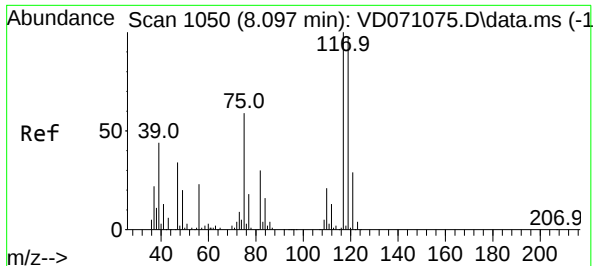
Ion Ratio Lower Upper

75 100

110 9.2 17.8 53.4#

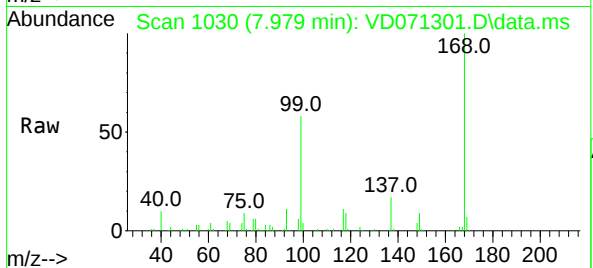
77 0.0 24.8 37.2#



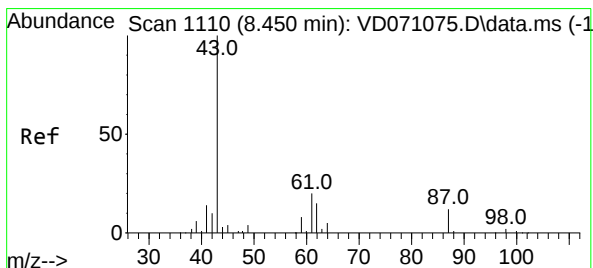
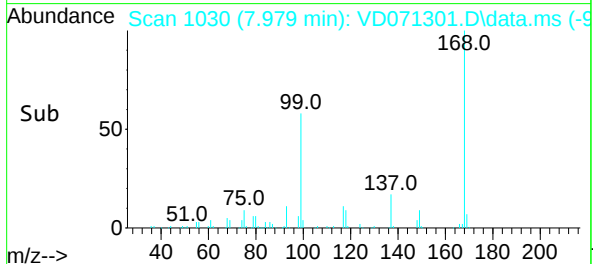
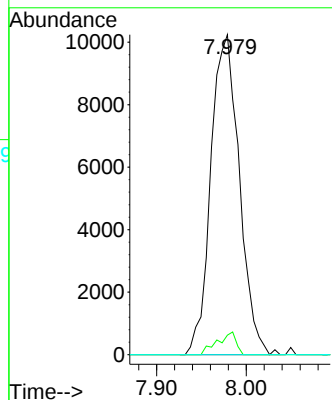


#38
Carbon Tetrachloride
Concen: 6.980 ug/l
RT: 7.979 min Scan# 1107
Delta R.T. -0.118 min
Lab File: VD071301.D
Acq: 13 Dec 2021 17:24

Instrument :
MSVOA_D
ClientSampleId :

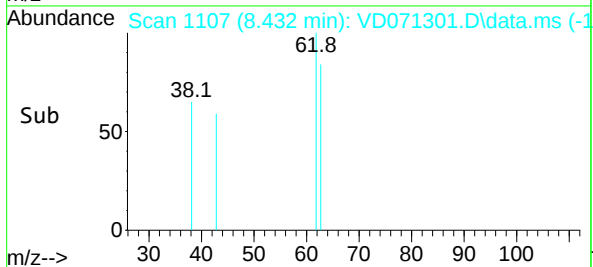
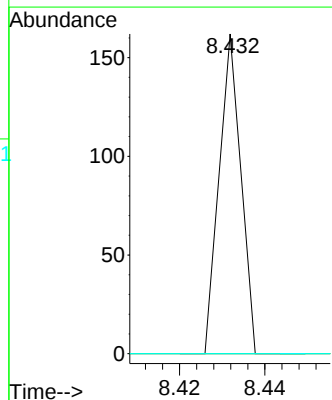
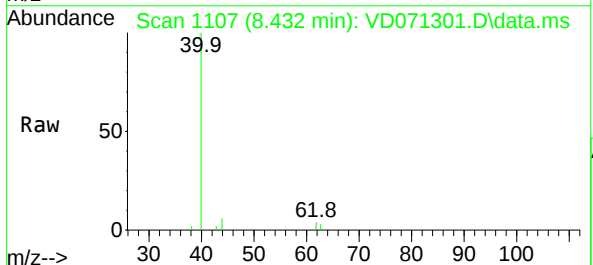


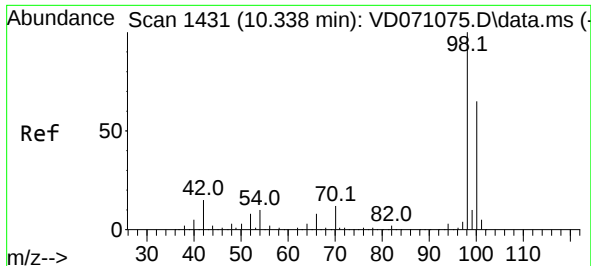
Tgt Ion:117 Resp: 22614
Ion Ratio Lower Upper
117 100
119 6.1 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.239 ug/l
RT: 8.432 min Scan# 1107
Delta R.T. -0.018 min
Lab File: VD071301.D
Acq: 13 Dec 2021 17:24

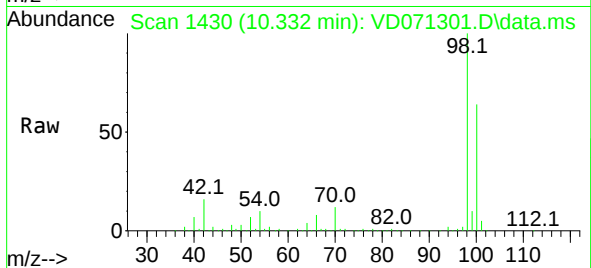
Tgt Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#



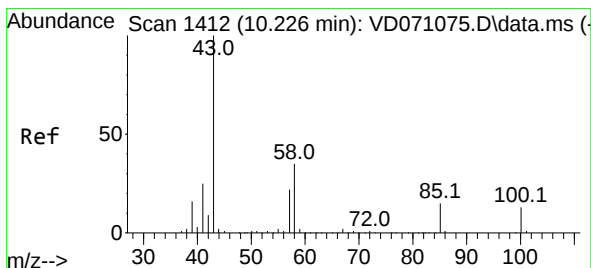
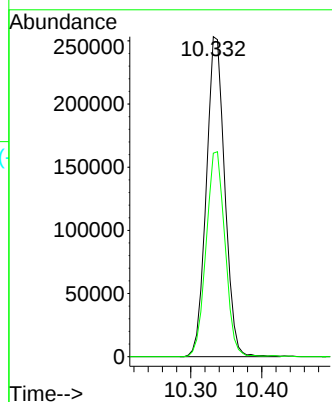
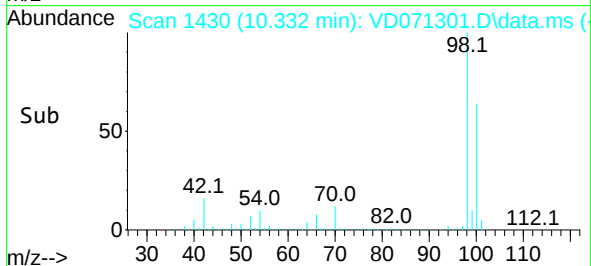


#50
Toluene-d8
Concen: 53.667 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD071301.D
Acq: 13 Dec 2021 17:24

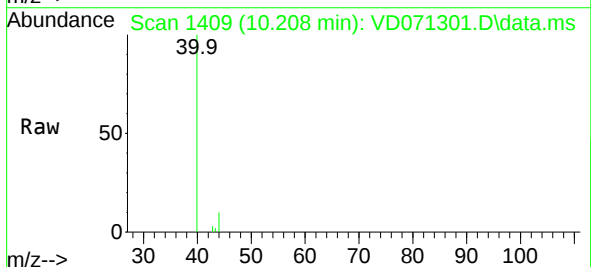
Instrument :
MSVOA_D
ClientSampleId :



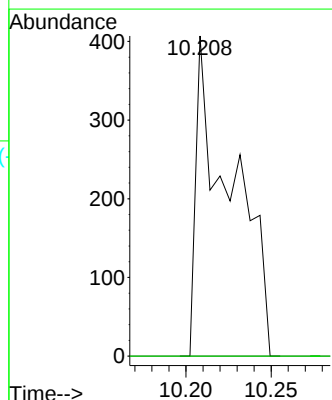
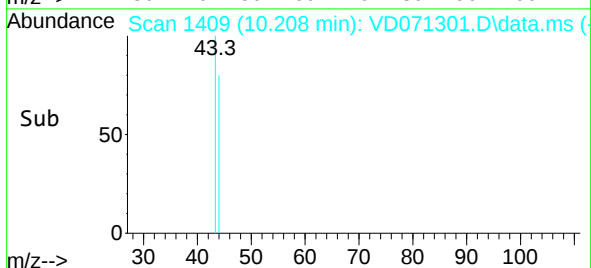
Tgt Ion: 98 Resp: 457331
Ion Ratio Lower Upper
98 100
100 65.6 51.8 77.6

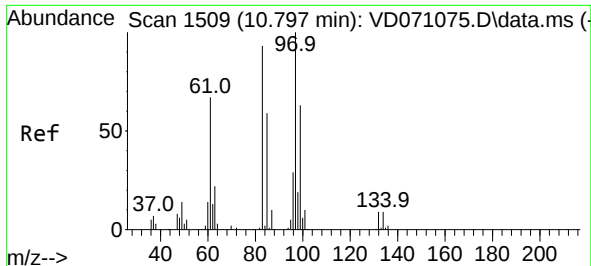


#51
4-Methyl-2-Pentanone
Concen: 30.971 ug/l
RT: 10.208 min Scan# 1409
Delta R.T. -0.018 min
Lab File: VD071301.D
Acq: 13 Dec 2021 17:24



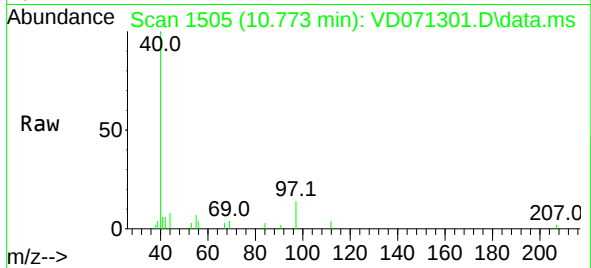
Tgt Ion: 43 Resp: 583
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



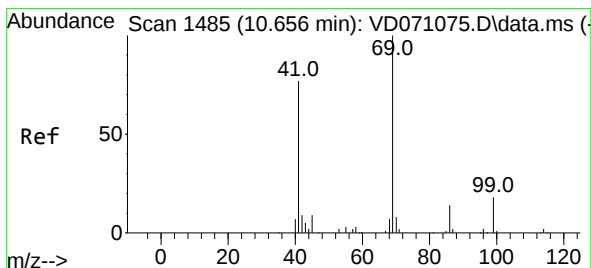
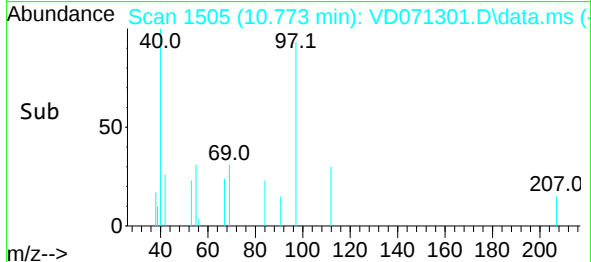
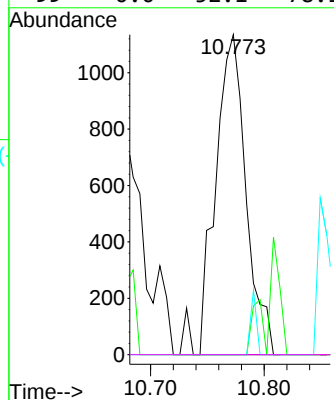


#55
1,1,2-Trichloroethane
Concen: 1.352 ug/l
RT: 10.773 min Scan# 1505
Delta R.T. -0.024 min
Lab File: VD071301.D
Acq: 13 Dec 2021 17:24

Instrument : MSVOA_D
ClientSampleId :

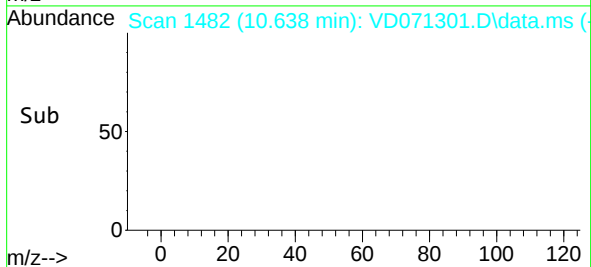
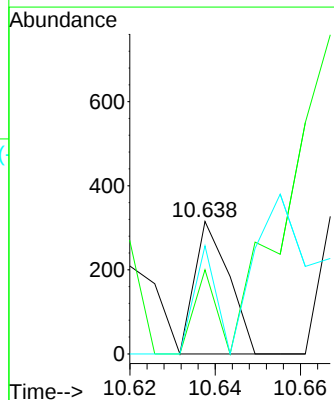
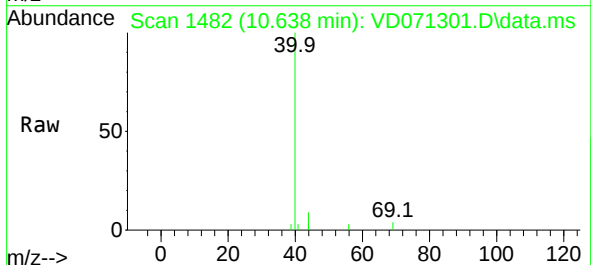


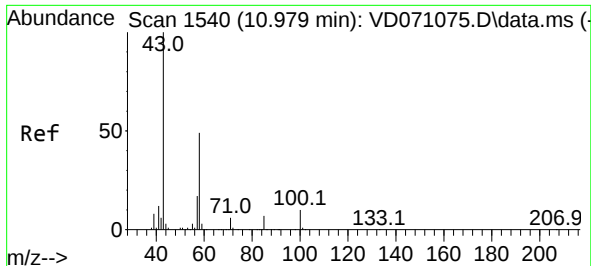
Tgt Ion: 97 Resp: 2160
Ion Ratio Lower Upper
97 100
83 0.0 65.2 97.8#
85 0.0 43.4 65.0#
99 0.0 52.1 78.1#



#56
Ethyl methacrylate
Concen: 6.038 ug/l
RT: 10.638 min Scan# 1482
Delta R.T. -0.018 min
Lab File: VD071301.D
Acq: 13 Dec 2021 17:24

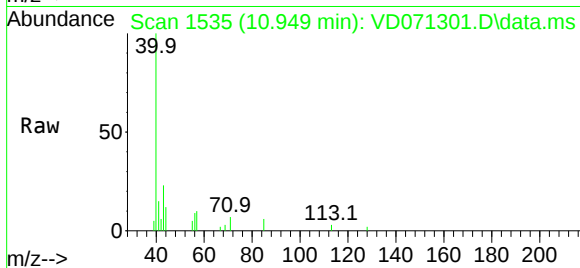
Tgt Ion: 69 Resp: 176
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 322.7 19.8 29.8#



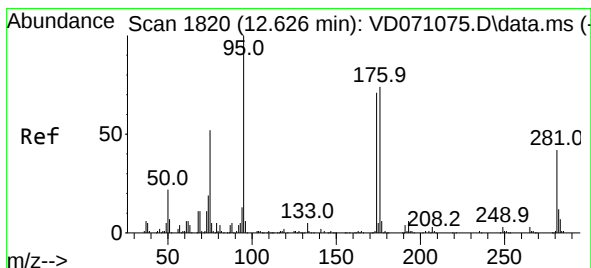
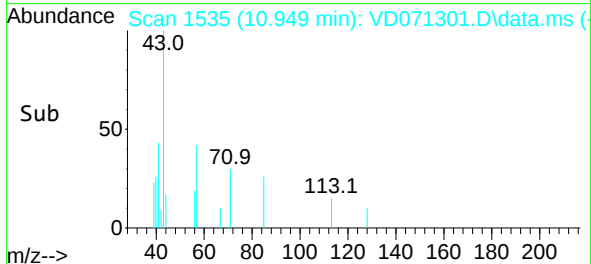
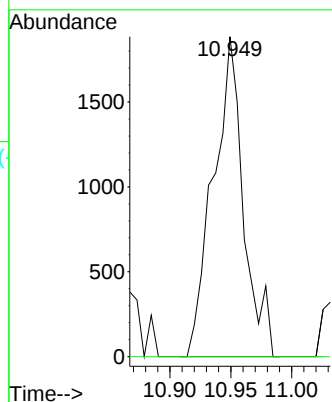


#59
2-Hexanone
Concen: 36.895 ug/l
RT: 10.949 min Scan# 11
Delta R.T. -0.030 min
Lab File: VD071301.D
Acq: 13 Dec 2021 17:24

Instrument :
MSVOA_D
ClientSampleId :

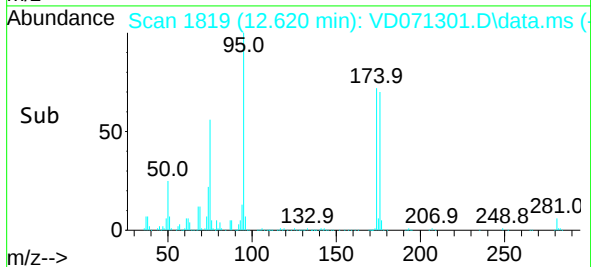
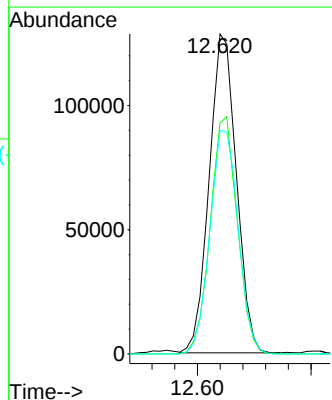
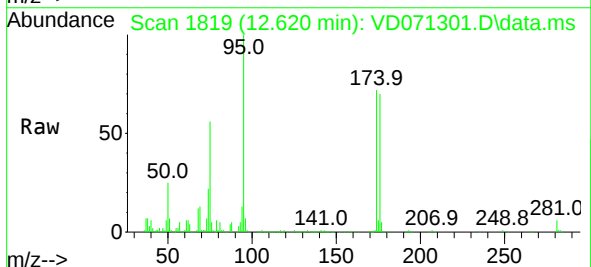


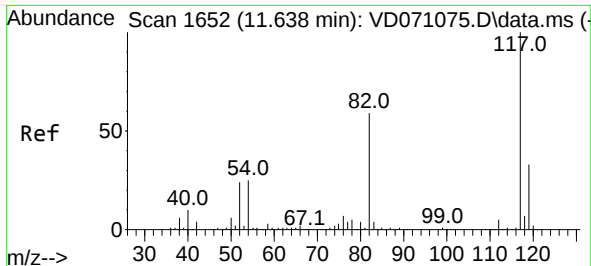
Tgt Ion: 43 Resp: 3249
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 72.266 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071301.D
Acq: 13 Dec 2021 17:24

Tgt Ion: 95 Resp: 213466
Ion Ratio Lower Upper
95 100
174 74.1 0.0 159.4
176 73.0 0.0 154.0

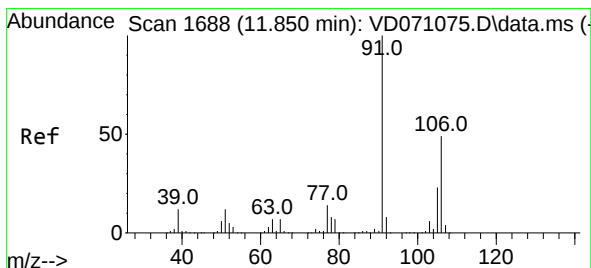
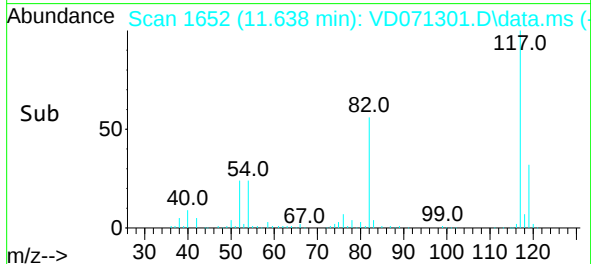
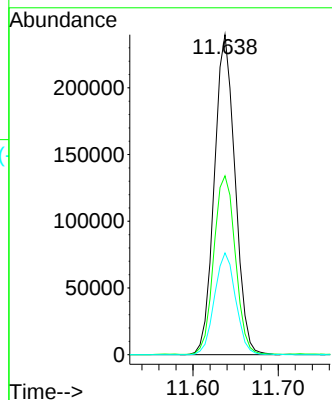
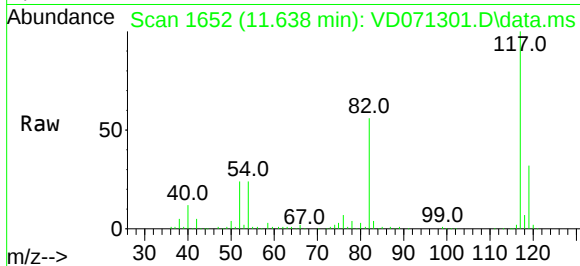




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071301.D
Acq: 13 Dec 2021 17:24

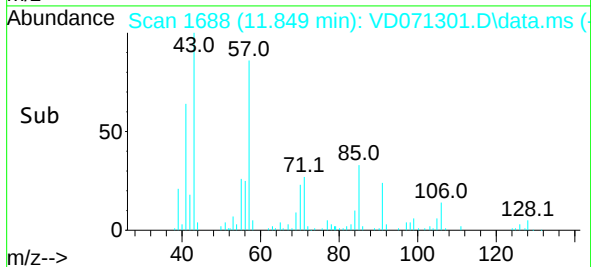
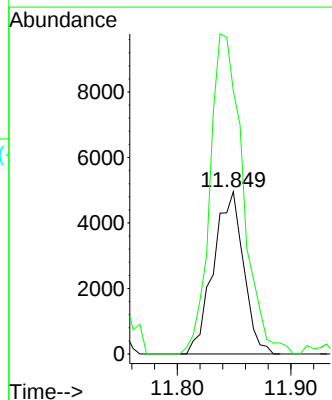
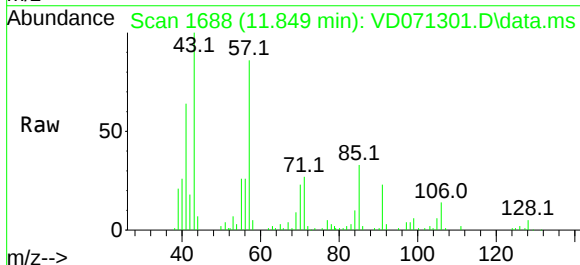
Instrument :
MSVOA_D
ClientSampleId :

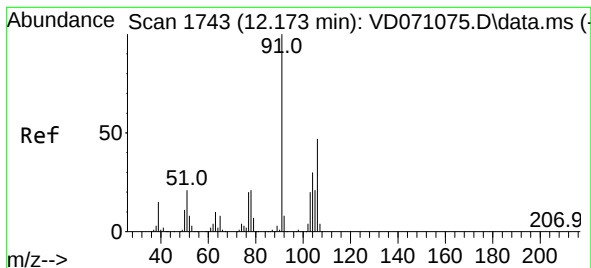
Tgt Ion:117 Resp: 406889
Ion Ratio Lower Upper
117 100
82 55.8 44.7 67.1
119 31.8 26.2 39.4



#68
m/p-Xylenes
Concen: 1.700 ug/l
RT: 11.849 min Scan# 1688
Delta R.T. -0.001 min
Lab File: VD071301.D
Acq: 13 Dec 2021 17:24

Tgt Ion:106 Resp: 9124
Ion Ratio Lower Upper
106 100
91 214.9 160.1 240.1





#69

o-Xylene

Concen: 2.988 ug/l

RT: 12.173 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD071301.D

Acq: 13 Dec 2021 17:24

Instrument :

MSVOA_D

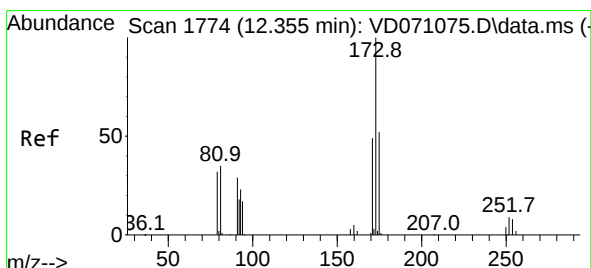
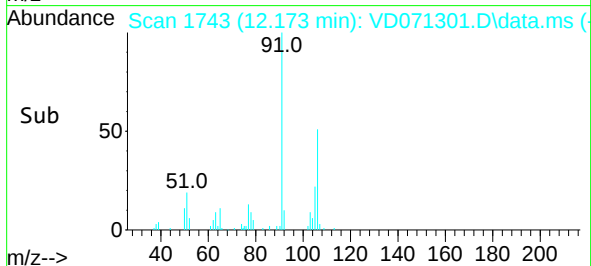
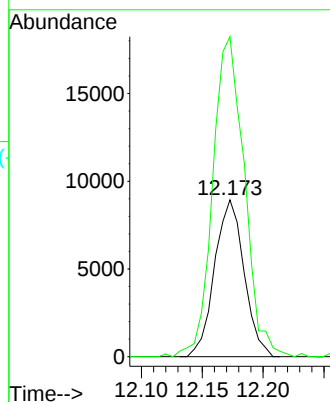
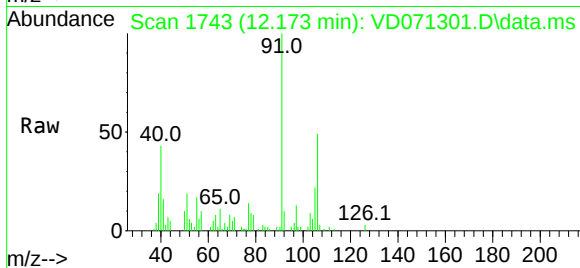
ClientSampleId :

Tgt Ion:106 Resp: 15070

Ion Ratio Lower Upper

106 100

91 218.8 106.3 319.0



#71

Bromoform

Concen: 1.228 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. 0.271 min

Lab File: VD071301.D

Acq: 13 Dec 2021 17:24

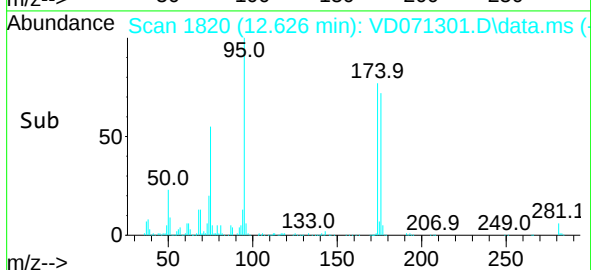
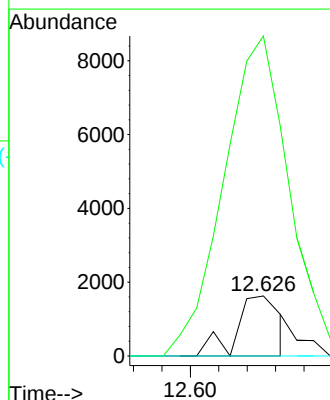
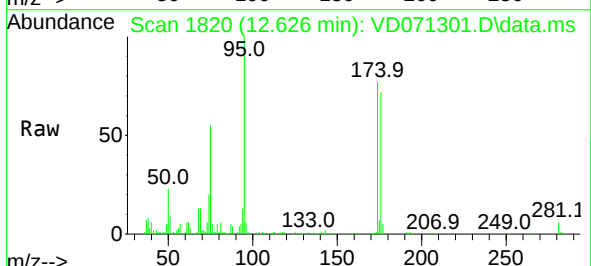
Tgt Ion:173 Resp: 1753

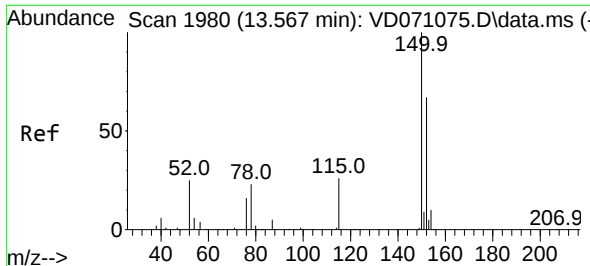
Ion Ratio Lower Upper

173 100

175 679.6 24.1 72.2#

254 0.0 0.1 0.1#

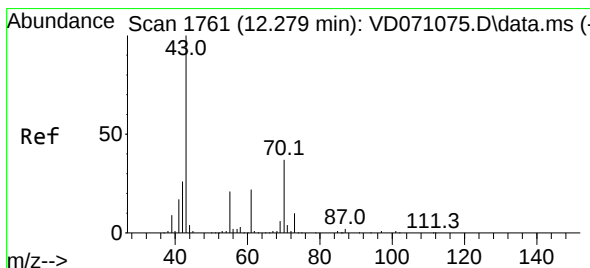
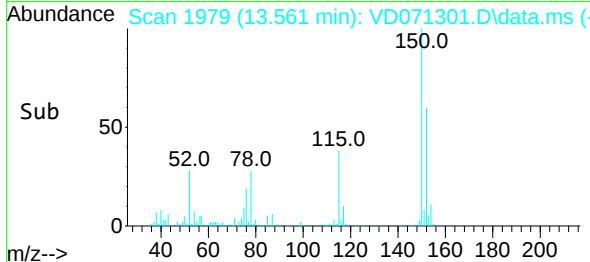
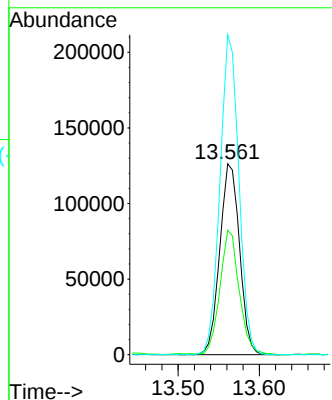
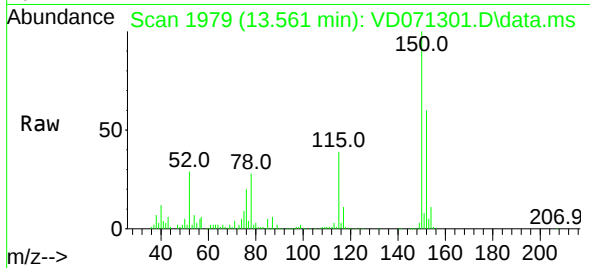




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD071301.D
Acq: 13 Dec 2021 17:24

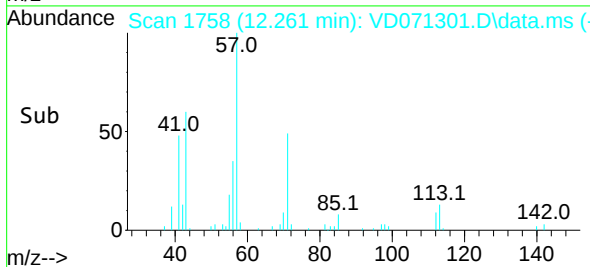
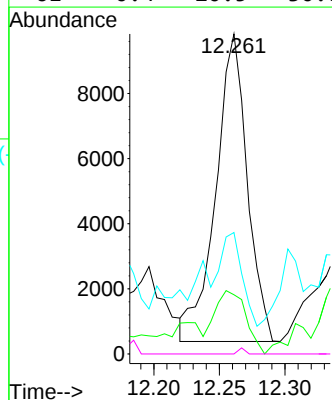
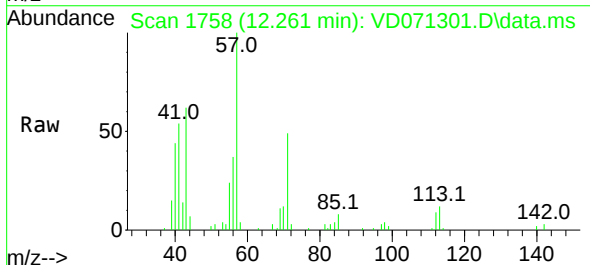
Instrument :
MSVOA_D
ClientSampleId :

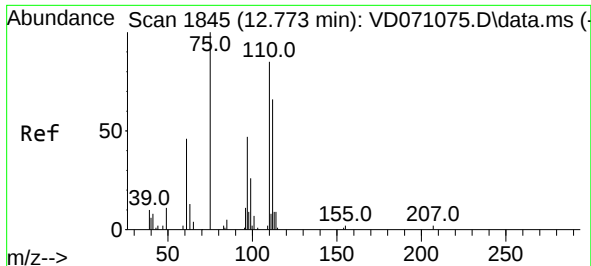
Tgt Ion:152 Resp: 214254
Ion Ratio Lower Upper
152 100
115 63.6 29.8 89.3
150 159.7 0.0 349.2



#74
N-ethyl acetate
Concen: 8.985 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.018 min
Lab File: VD071301.D
Acq: 13 Dec 2021 17:24

Tgt Ion: 43 Resp: 15742
Ion Ratio Lower Upper
43 100
70 20.6 36.6 55.0#
55 31.9 22.5 33.7
61 0.4 20.5 30.7#

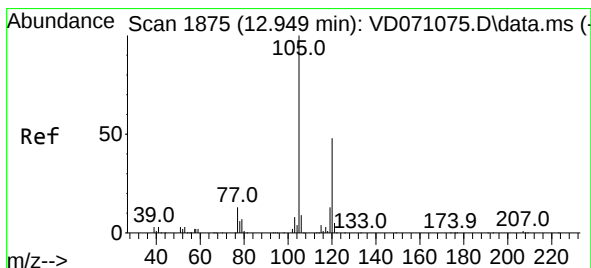
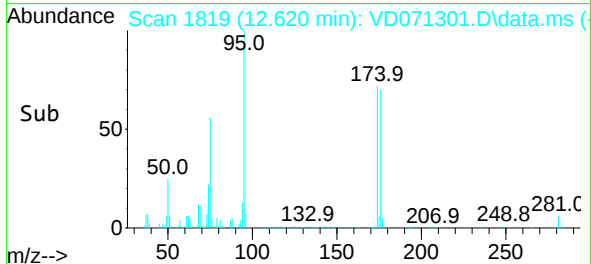
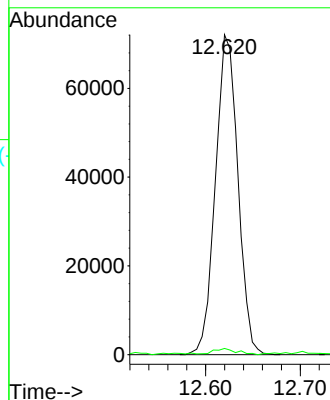
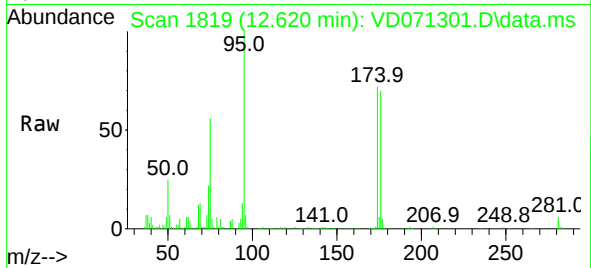




#76
 1,2,3-Trichloropropane
 Concen: 58.293 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.153 min
 Lab File: VD071301.D
 Acq: 13 Dec 2021 17:24

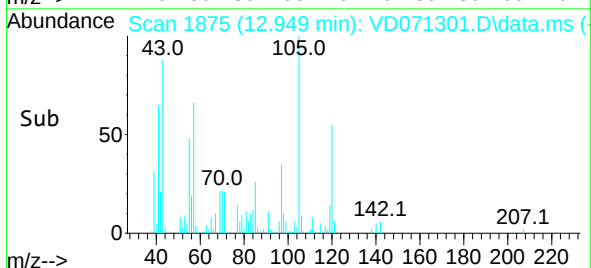
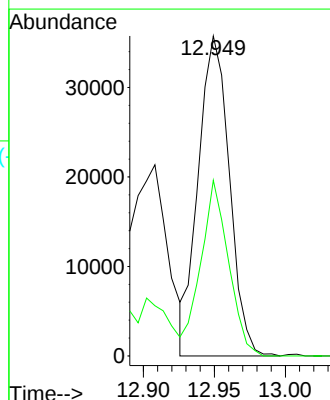
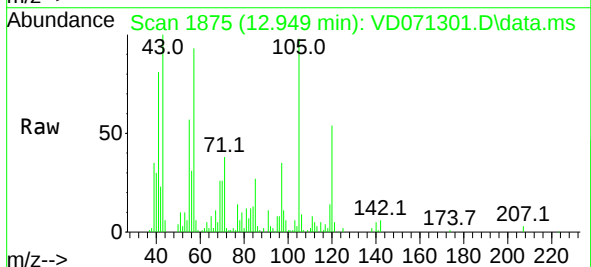
Instrument :
 MSVOA_D
 ClientSampleId :

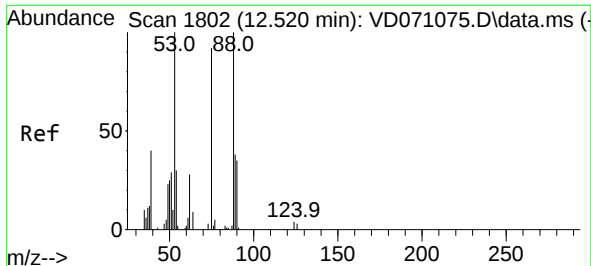
Tgt Ion: 75 Resp: 118994
 Ion Ratio Lower Upper
 75 100
 77 2.0 158.4 475.3#



#80
 1,3,5-Trimethylbenzene
 Concen: 4.253 ug/l
 RT: 12.949 min Scan# 1875
 Delta R.T. 0.000 min
 Lab File: VD071301.D
 Acq: 13 Dec 2021 17:24

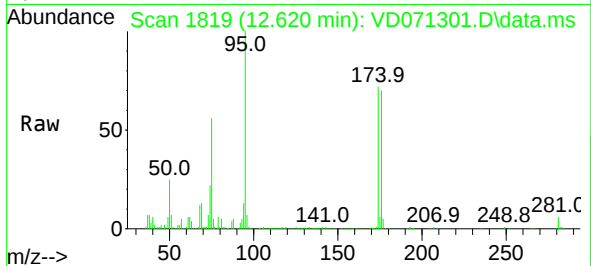
Tgt Ion: 105 Resp: 54411
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.6 73.8



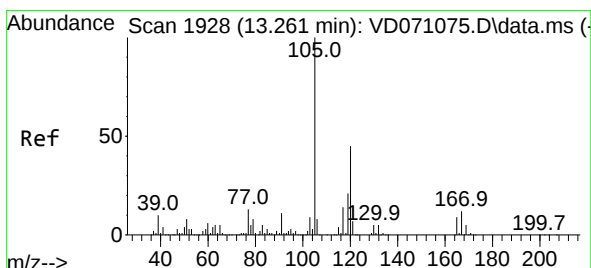
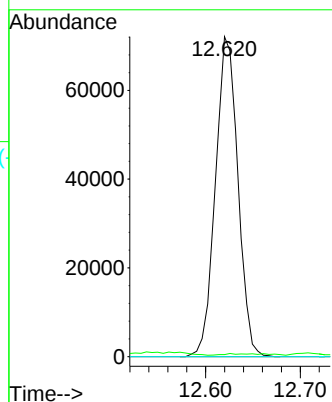
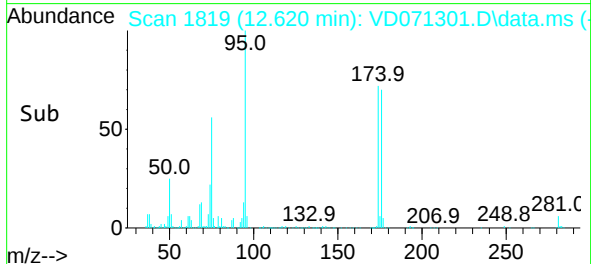


#81
trans-1,4-Dichloro-2-butene
Concen: 126.372 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071301.D
Acq: 13 Dec 2021 17:24

Instrument :
MSVOA_D
ClientSampleId :

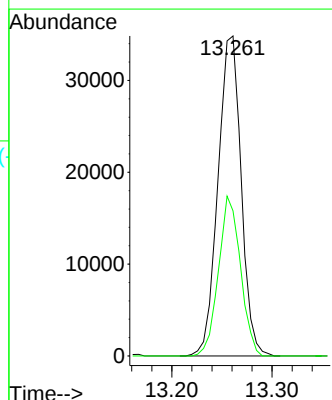
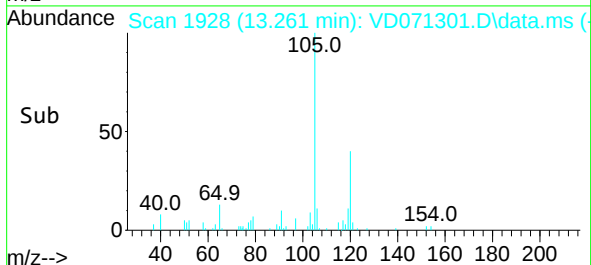
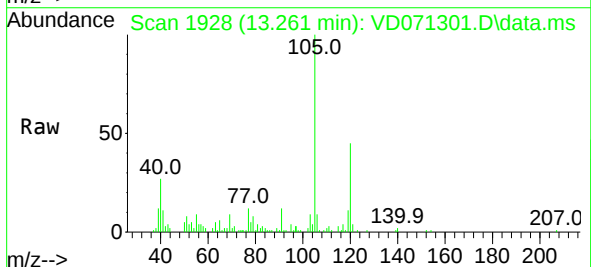


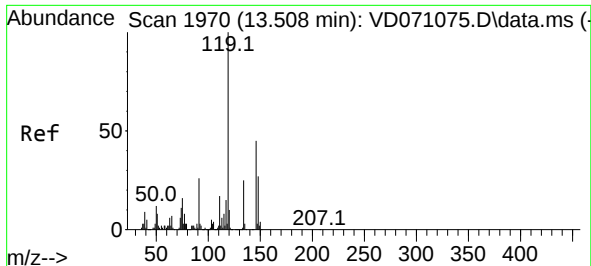
Tgt Ion: 75 Resp: 118994
Ion Ratio Lower Upper
75 100
53 0.4 62.6 94.0#
89 0.0 34.5 51.7#



#84
1,2,4-Trimethylbenzene
Concen: 4.471 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. -0.000 min
Lab File: VD071301.D
Acq: 13 Dec 2021 17:24

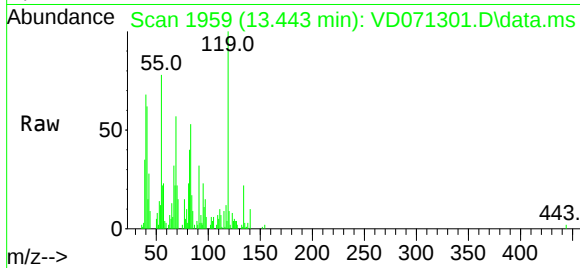
Tgt Ion: 105 Resp: 55843
Ion Ratio Lower Upper
105 100
120 47.3 22.9 68.7



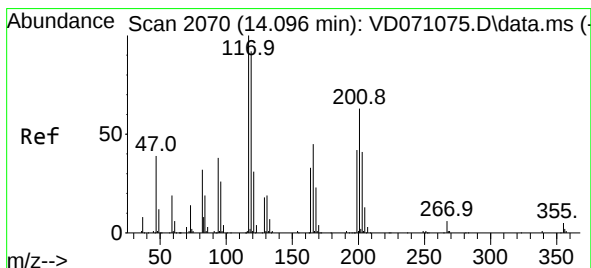
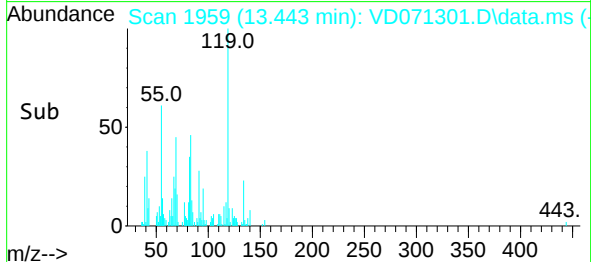
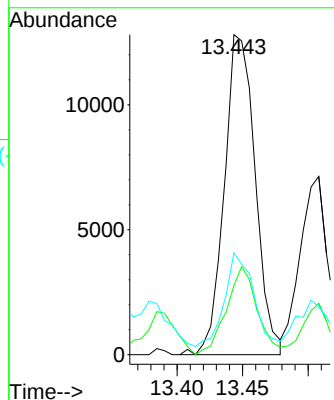


#86
 p-Isopropyltoluene
 Concen: 1.530 ug/l
 RT: 13.443 min Scan# 1959
 Delta R.T. -0.065 min
 Lab File: VD071301.D
 Acq: 13 Dec 2021 17:24

Instrument :
 MSVOA_D
 ClientSampleId :

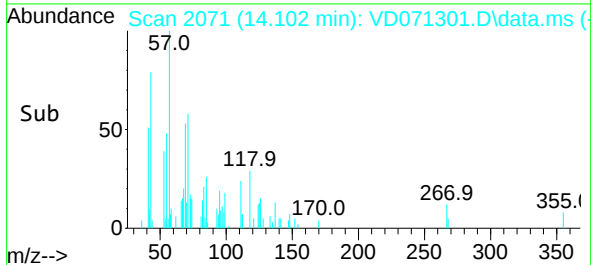
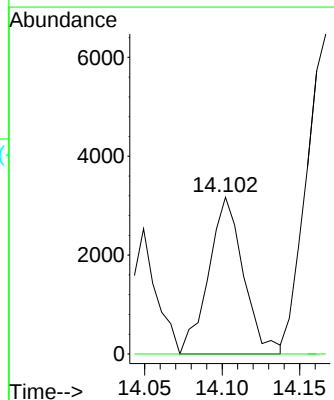
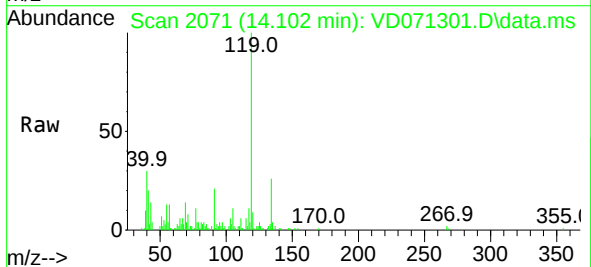


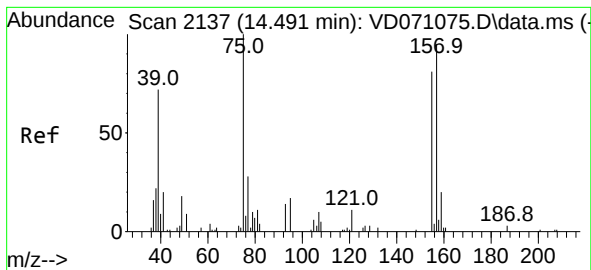
Tgt Ion:119 Resp: 20998
 Ion Ratio Lower Upper
 119 100
 134 27.4 13.0 38.9
 91 27.3 11.4 34.2



#90
 Hexachloroethane
 Concen: 1.903 ug/l
 RT: 14.102 min Scan# 2071
 Delta R.T. 0.006 min
 Lab File: VD071301.D
 Acq: 13 Dec 2021 17:24

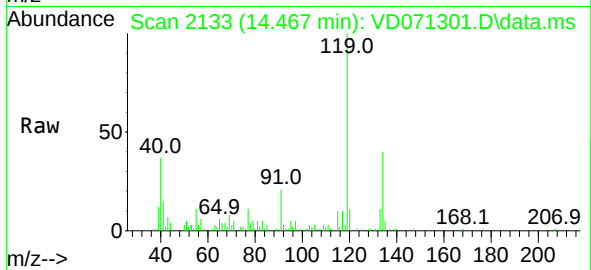
Tgt Ion:117 Resp: 4952
 Ion Ratio Lower Upper
 117 100
 201 0.0 36.0 108.1#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.195 ug/l
 RT: 14.467 min Scan# 2133
 Delta R.T. -0.024 min
 Lab File: VD071301.D
 Acq: 13 Dec 2021 17:24

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 497
 Ion Ratio Lower Upper
 75 100
 155 0.0 40.0 120.0#
 157 0.0 49.8 149.3#

