

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120921\
 Data File : VD071226.D
 Acq On : 09 Dec 2021 14:16
 Operator : VA/SY
 Sample : M4965-16
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 10 06:44:27 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)

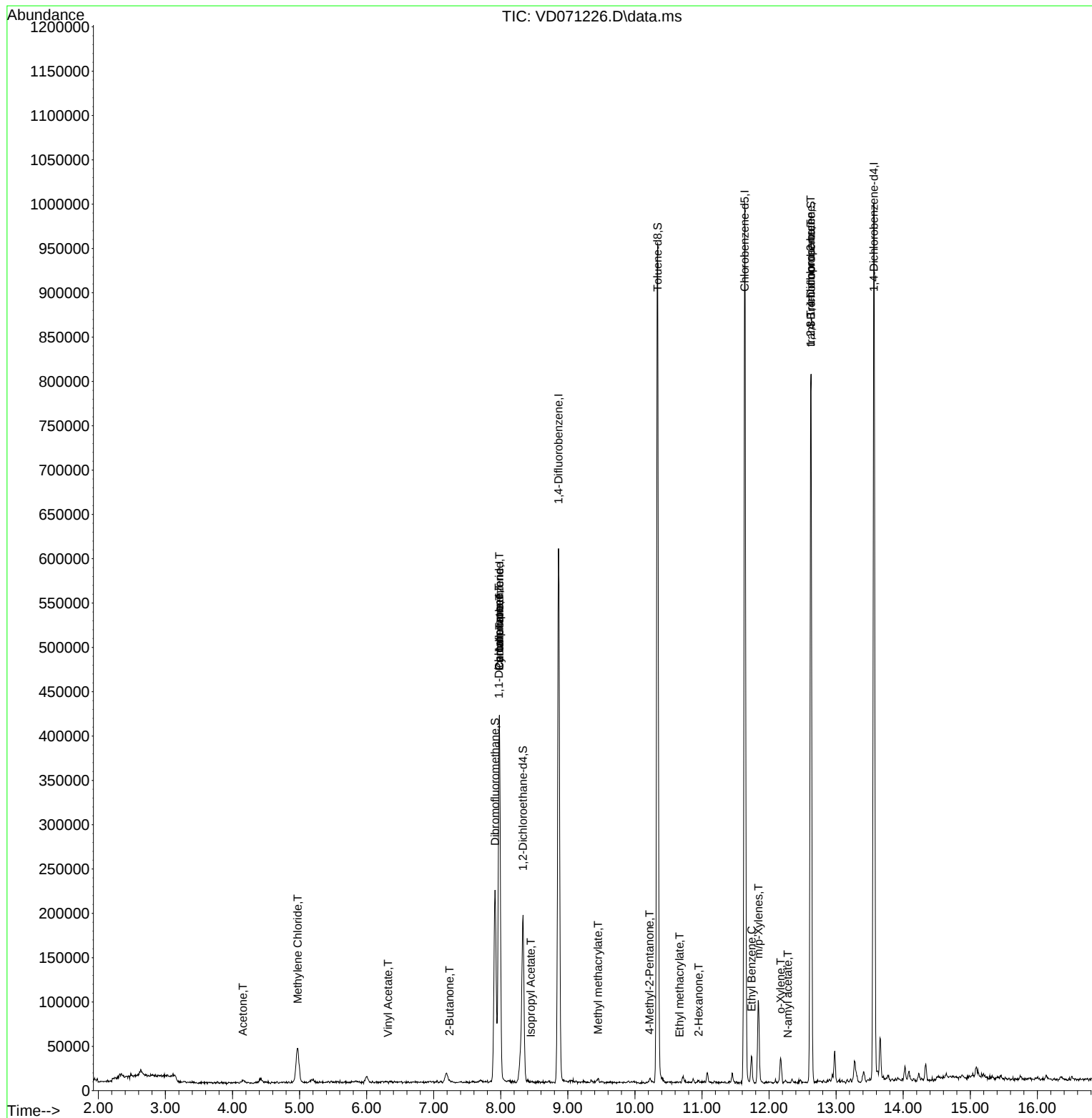
Internal Standards						
1) Pentafluorobenzene	7.979	168	286193	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	479878	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	513024	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	249041	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	143713	42.795	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	85.600%		
35) Dibromofluoromethane	7.914	113	150563	49.271	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.540%		
50) Toluene-d8	10.338	98	621472	53.442	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	106.880%		
62) 4-Bromofluorobenzene	12.626	95	249957	62.008	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	124.020%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.185	59	2356	Below Cal	#	71
16) Acetone	4.156	43	4522	35.243	ug/l #	28
20) Methylene Chloride	4.973	84	28027	4.467	ug/l #	89
23) Vinyl Acetate	6.320	43	64	27.229	ug/l #	72
25) 2-Butanone	7.238	43	1881	29.978	ug/l #	45
31) Cyclohexane	7.979	56	8577	1.502	ug/l #	59
36) 1,1-Dichloropropene	7.973	75	25685	5.727	ug/l #	48
38) Carbon Tetrachloride	7.979	117	29509	6.674	ug/l #	18
41) Methacrylonitrile	7.538	41	121	Below Cal	#	44
43) Isopropyl Acetate	8.449	43	321	5.290	ug/l #	47
48) Methyl methacrylate	9.449	41	2643	1.394	ug/l #	55
51) 4-Methyl-2-Pentanone	10.220	43	3149	31.916	ug/l #	85
56) Ethyl methacrylate	10.667	69	55	5.986	ug/l #	1
59) 2-Hexanone	10.949	43	2404	35.832	ug/l #	22
67) Ethyl Benzene	11.738	91	19542	1.091	ug/l	92
68) m/p-Xylenes	11.843	106	25448	3.762	ug/l	96
69) o-Xylene	12.173	106	7010	1.102	ug/l	97
74) N-amyl acetate	12.279	43	355	5.765	ug/l #	53
76) 1,2,3-Trichloropropane	12.620	75	138092	58.199	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	138092	126.179	ug/l #	18

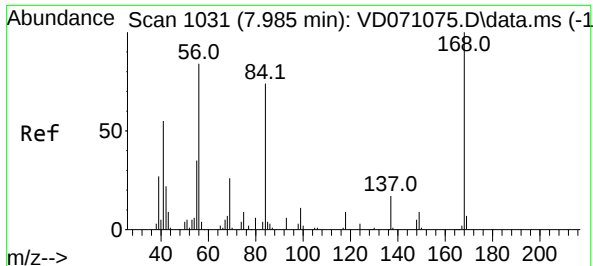
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Nov 29 17:54:09 2021
Response via : Initial Calibration

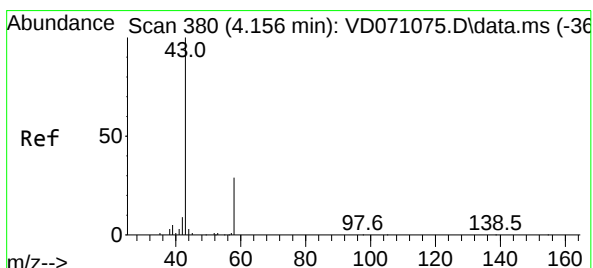
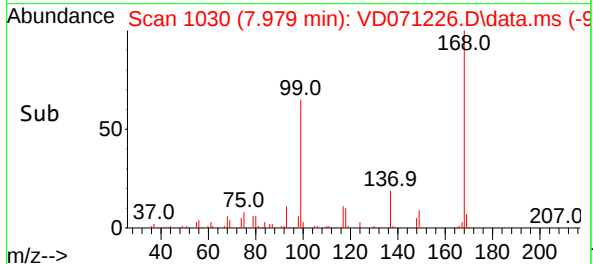
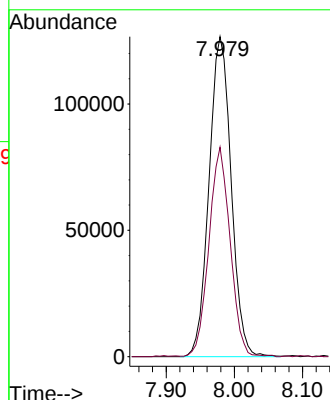
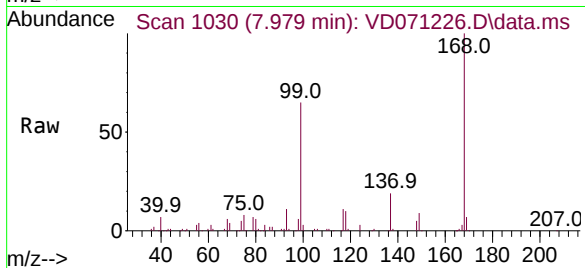




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071226.D
Acq: 09 Dec 2021 14:16

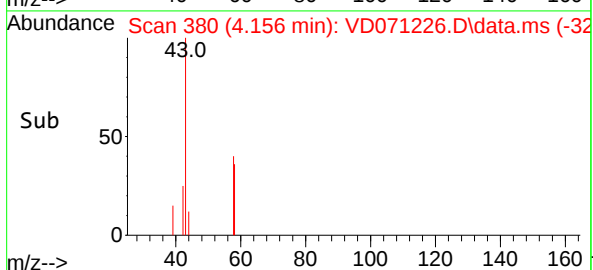
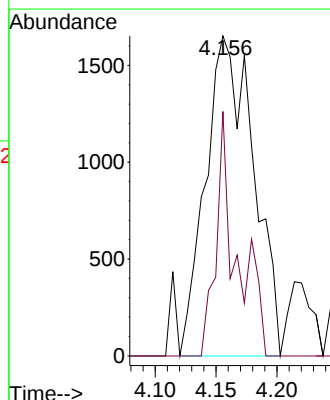
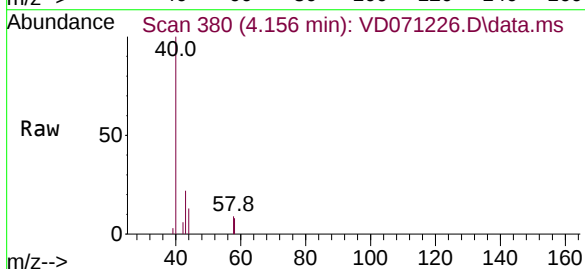
Instrument :
MSVOA_D
ClientSampleId :

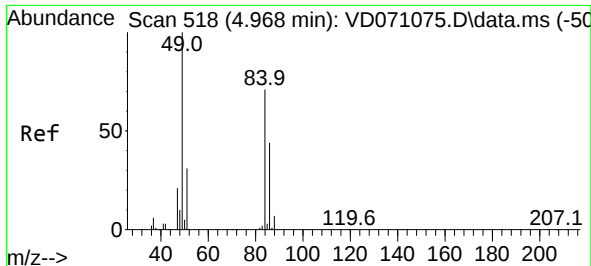
Tgt Ion:168 Resp: 286193
Ion Ratio Lower Upper
168 100
99 65.5 46.6 69.8



#16
Acetone
Concen: 35.243 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD071226.D
Acq: 09 Dec 2021 14:16

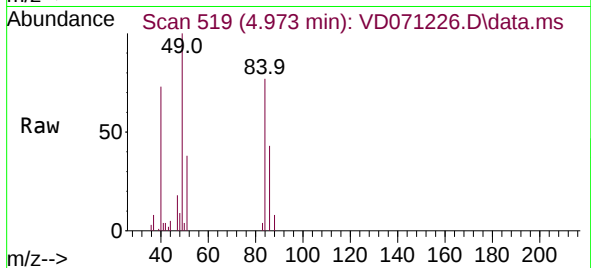
Tgt Ion: 43 Resp: 4522
Ion Ratio Lower Upper
43 100
58 76.4 27.8 41.8#



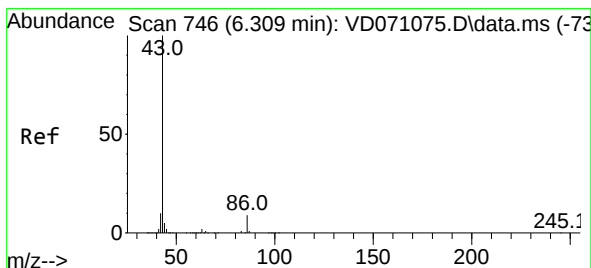
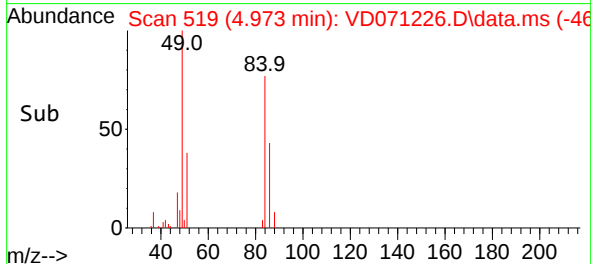
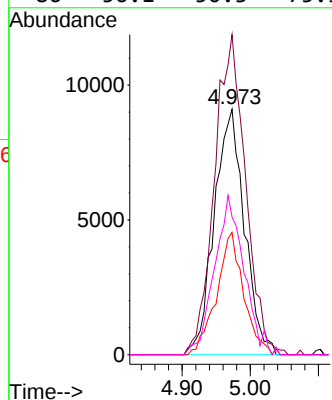


#20
Methylene Chloride
Concen: 4.467 ug/l
RT: 4.973 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD071226.D
Acq: 09 Dec 2021 14:16

Instrument :
MSVOA_D
ClientSampleId :

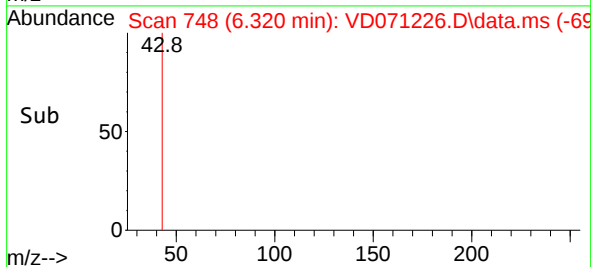
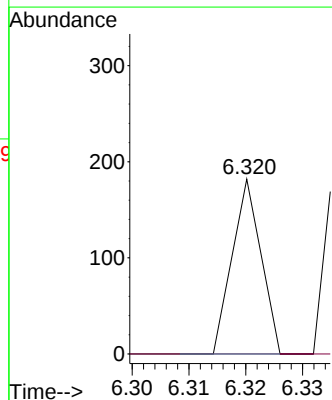
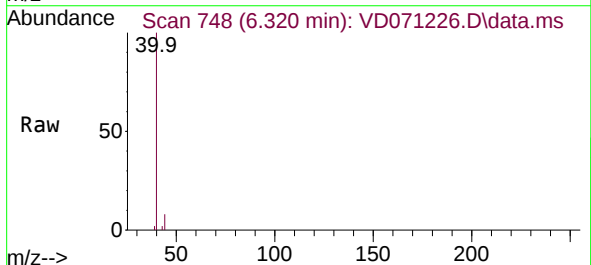


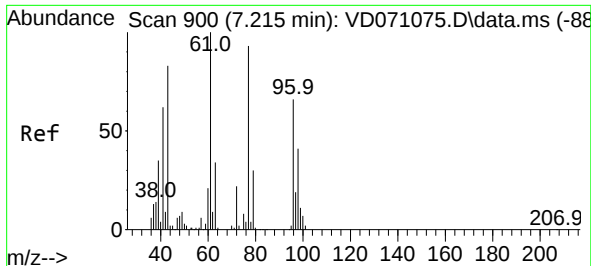
Tgt Ion: 84 Resp: 28027
Ion Ratio Lower Upper
84 100
49 130.3 95.8 143.6
51 49.8 30.9 46.3#
86 56.1 50.3 75.5



#23
Vinyl Acetate
Concen: 27.229 ug/l
RT: 6.320 min Scan# 748
Delta R.T. 0.011 min
Lab File: VD071226.D
Acq: 09 Dec 2021 14:16

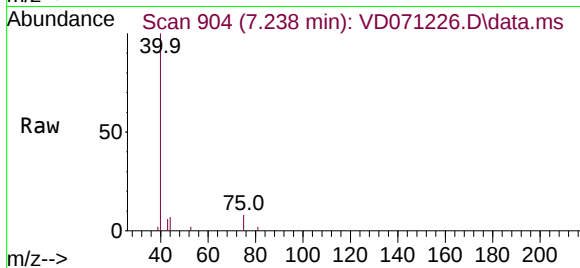
Tgt Ion: 43 Resp: 64
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#



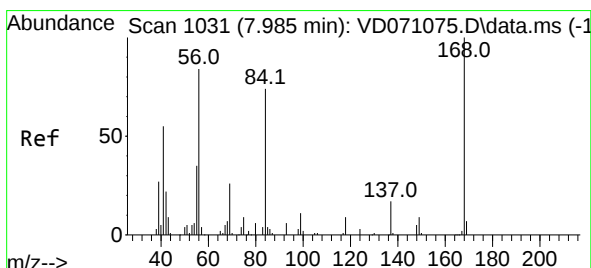
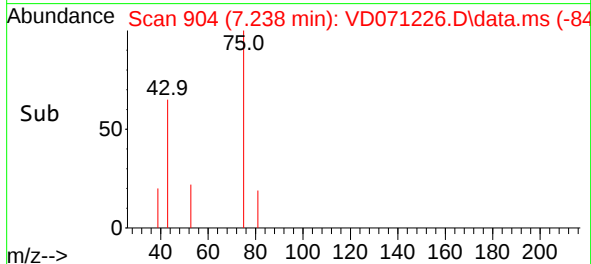
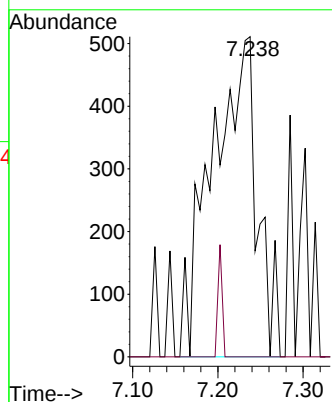


#25
2-Butanone
Concen: 29.978 ug/l
RT: 7.238 min Scan# 90
Delta R.T. 0.023 min
Lab File: VD071226.D
Acq: 09 Dec 2021 14:16

Instrument :
MSVOA_D
ClientSampleId :

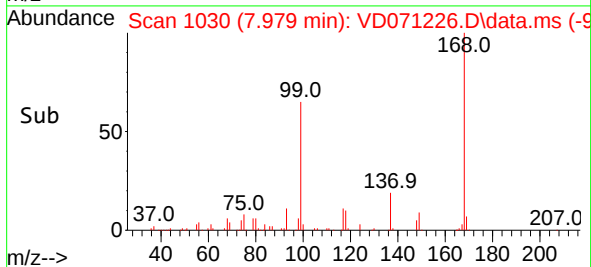
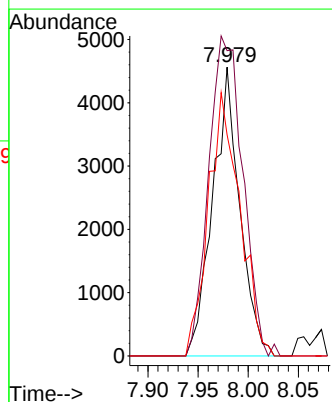
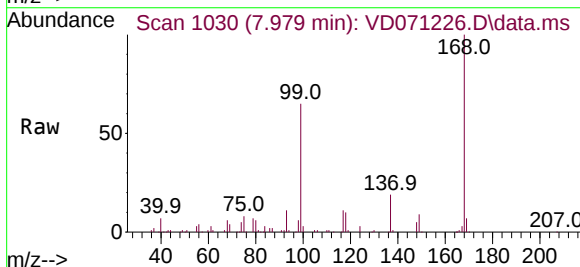


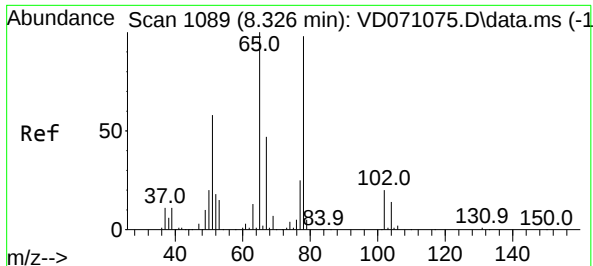
Tgt Ion: 43 Resp: 1881
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#31
Cyclohexane
Concen: 1.502 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071226.D
Acq: 09 Dec 2021 14:16

Tgt Ion: 56 Resp: 8577
Ion Ratio Lower Upper
56 100
69 105.7 25.9 38.9#
84 76.7 64.3 96.5





#33

1,2-Dichloroethane-d4

Concen: 42.795 ug/l

RT: 8.332 min Scan# 110

Delta R.T. 0.006 min

Lab File: VD071226.D

Acq: 09 Dec 2021 14:16

Instrument :

MSVOA_D

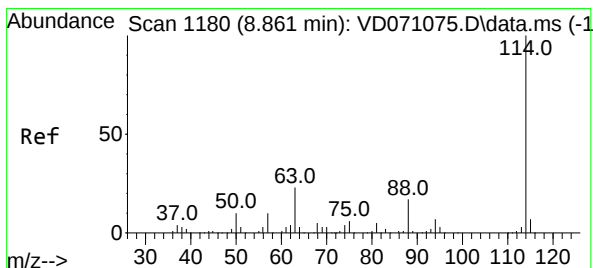
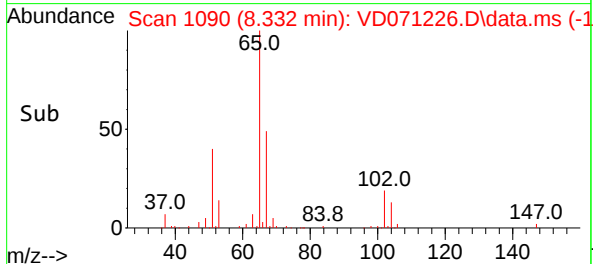
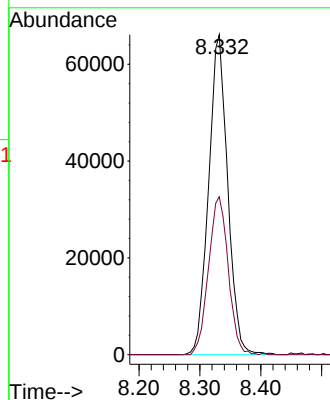
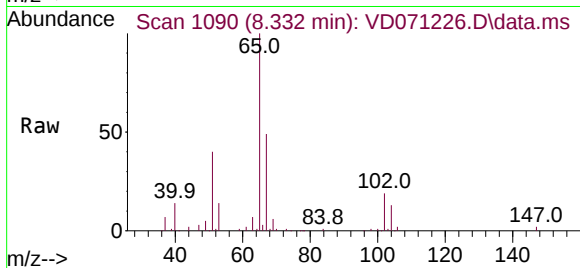
ClientSampleId :

Tgt Ion: 65 Resp: 143713

Ion Ratio Lower Upper

65 100

67 51.0 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: VD071226.D

Acq: 09 Dec 2021 14:16

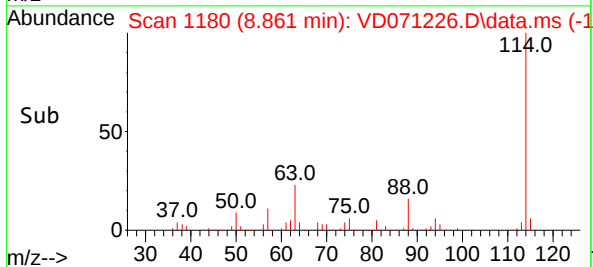
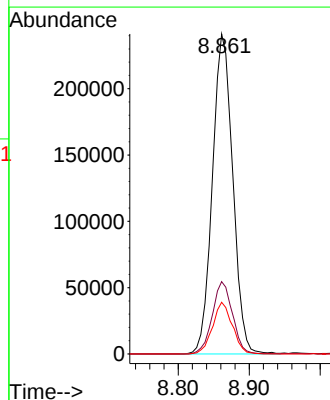
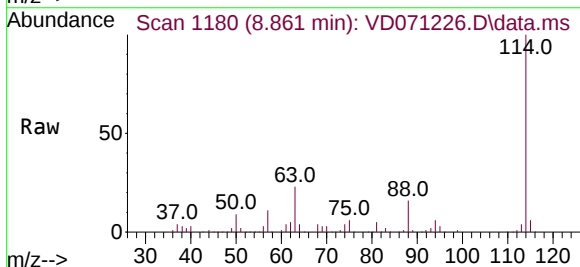
Tgt Ion: 114 Resp: 479878

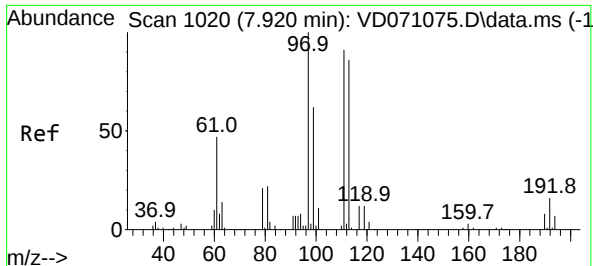
Ion Ratio Lower Upper

114 100

63 22.6 0.0 41.8

88 16.2 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.271 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071226.D

Acq: 09 Dec 2021 14:16

Instrument :

MSVOA_D

ClientSampleId :

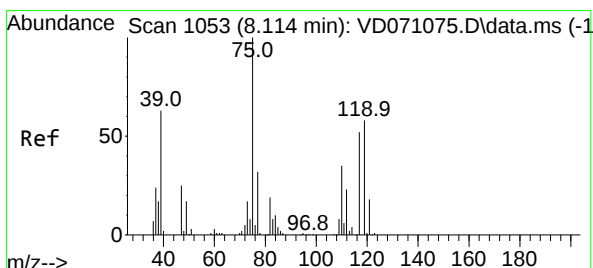
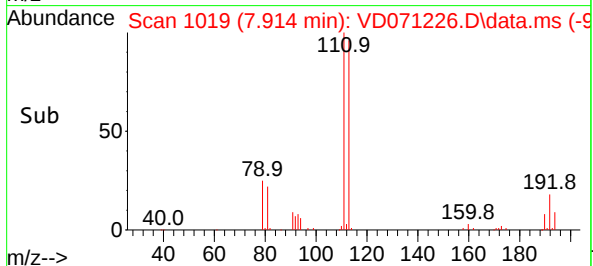
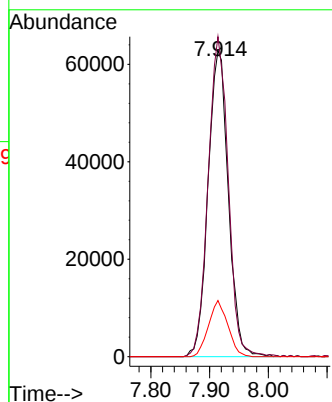
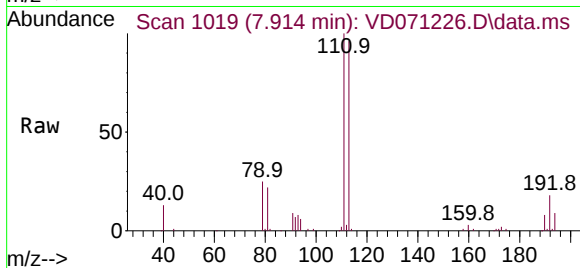
Tgt Ion:113 Resp: 150563

Ion Ratio Lower Upper

113 100

111 103.6 82.0 123.0

192 17.5 15.2 22.8



#36

1,1-Dichloropropene

Concen: 5.727 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.141 min

Lab File: VD071226.D

Acq: 09 Dec 2021 14:16

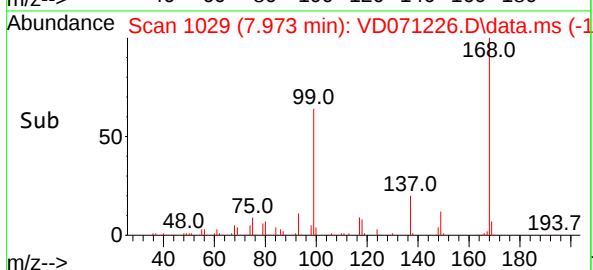
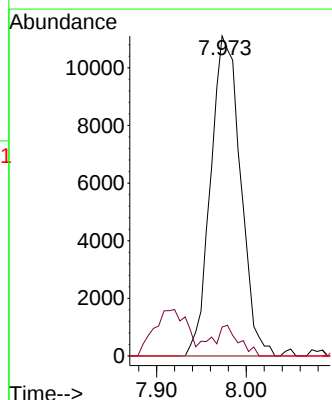
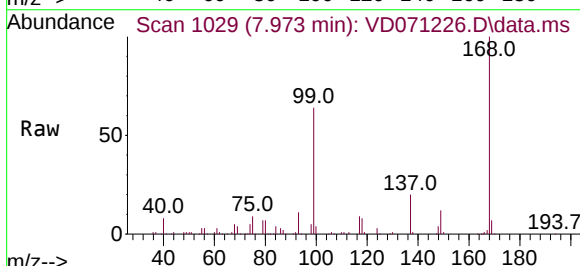
Tgt Ion: 75 Resp: 25685

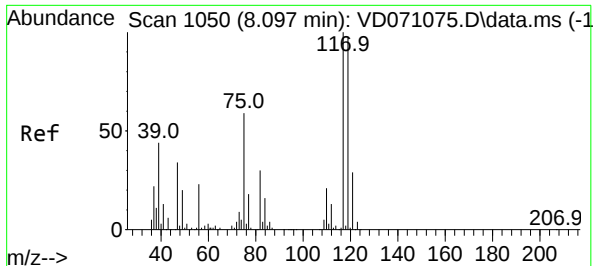
Ion Ratio Lower Upper

75 100

110 7.3 17.8 53.4#

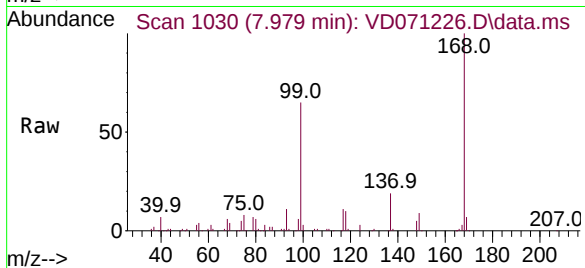
77 0.0 24.8 37.2#



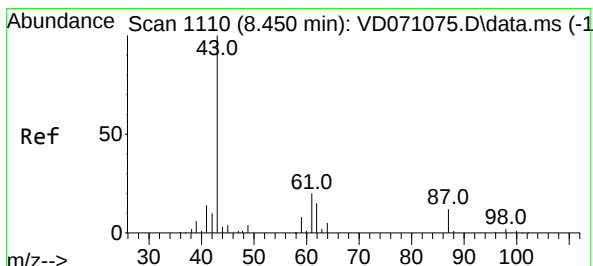
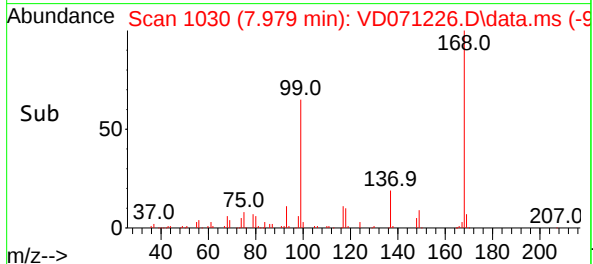
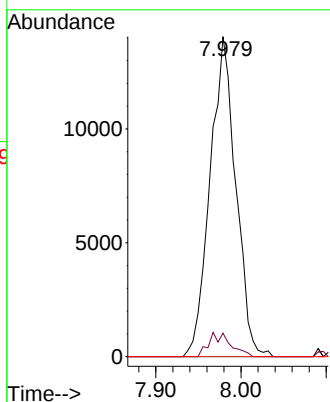


#38
Carbon Tetrachloride
Concen: 6.674 ug/l
RT: 7.979 min Scan# 1050
Delta R.T. -0.118 min
Lab File: VD071226.D
Acq: 09 Dec 2021 14:16

Instrument :
MSVOA_D
ClientSampleId :

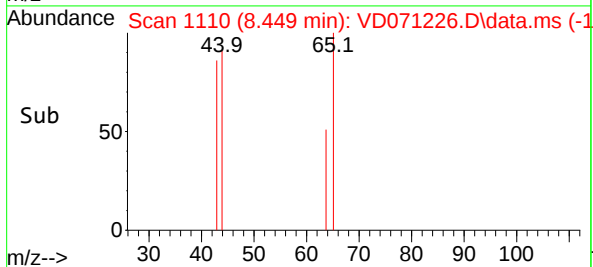
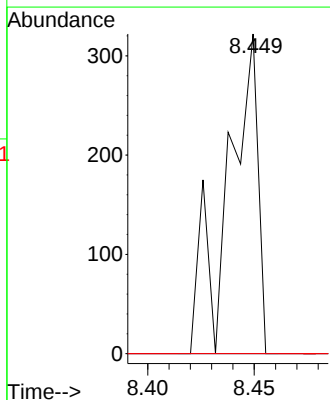
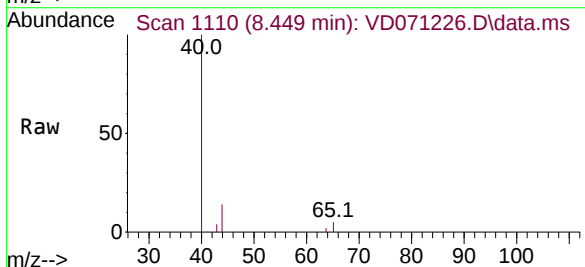


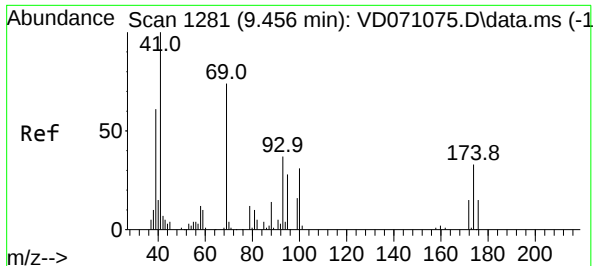
Tgt Ion:117 Resp: 29509
Ion Ratio Lower Upper
117 100
119 7.4 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.290 ug/l
RT: 8.449 min Scan# 1110
Delta R.T. -0.001 min
Lab File: VD071226.D
Acq: 09 Dec 2021 14:16

Tgt Ion: 43 Resp: 321
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#





#48

Methyl methacrylate

Concen: 1.394 ug/l

RT: 9.449 min Scan# 1280

Delta R.T. -0.007 min

Lab File: VD071226.D

Acq: 09 Dec 2021 14:16

Instrument :

MSVOA_D

ClientSampleId :

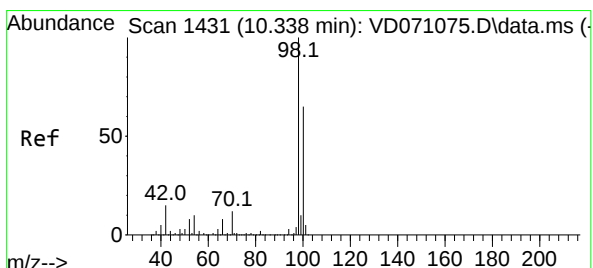
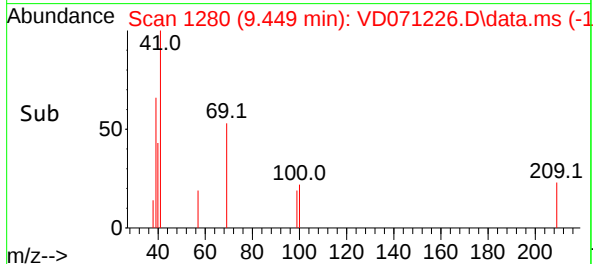
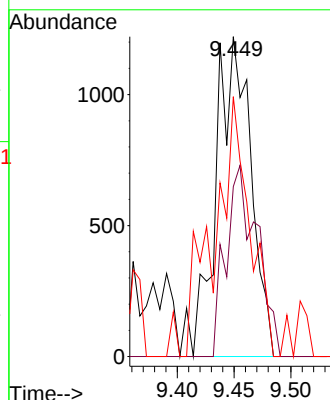
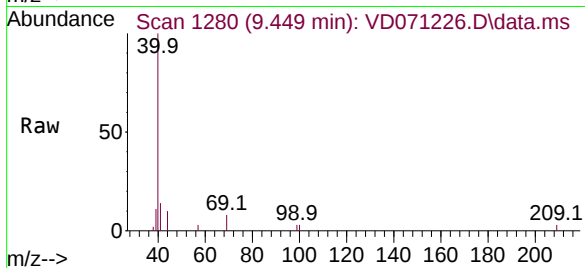
Tgt Ion: 41 Resp: 2643

Ion Ratio Lower Upper

41 100

69 52.6 69.8 104.6#

39 83.5 35.6 53.4#



#50

Toluene-d8

Concen: 53.442 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. -0.000 min

Lab File: VD071226.D

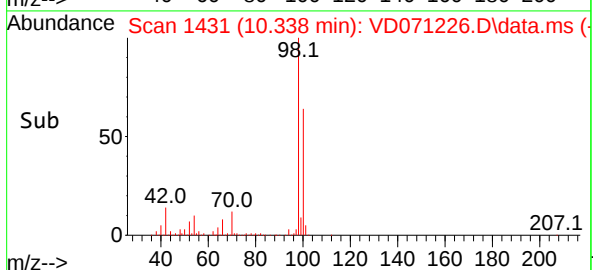
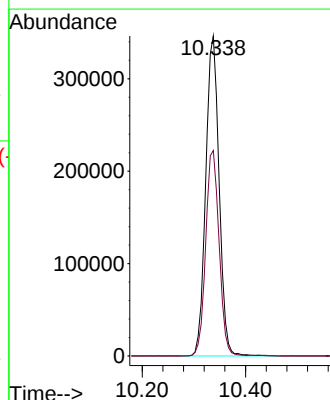
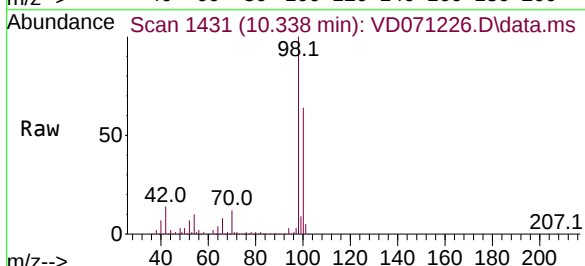
Acq: 09 Dec 2021 14:16

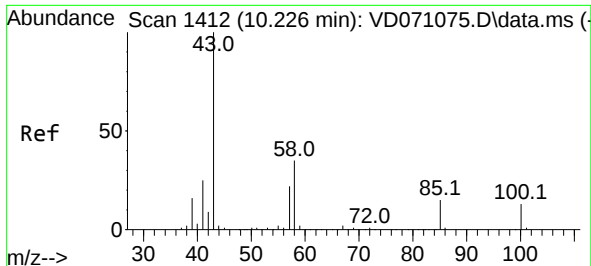
Tgt Ion: 98 Resp: 621472

Ion Ratio Lower Upper

98 100

100 64.3 51.8 77.6





#51

4-Methyl-2-Pentanone

Concen: 31.916 ug/l

RT: 10.220 min Scan# 1412

Delta R.T. -0.006 min

Lab File: VD071226.D

Acq: 09 Dec 2021 14:16

Instrument :

MSVOA_D

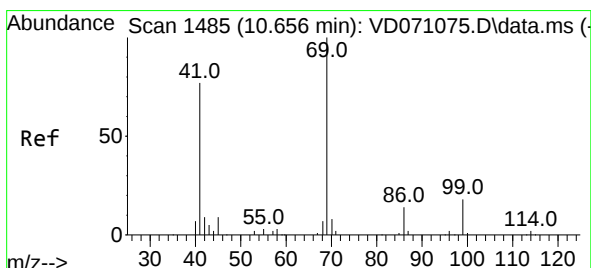
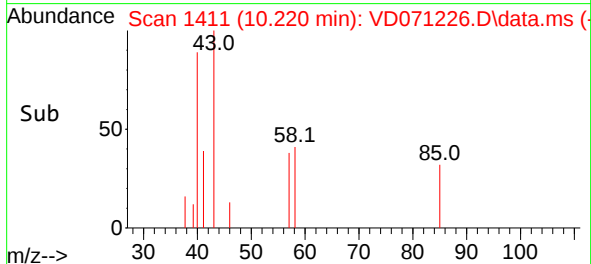
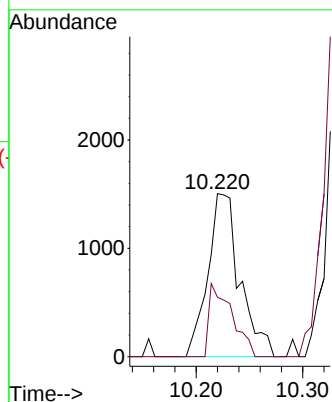
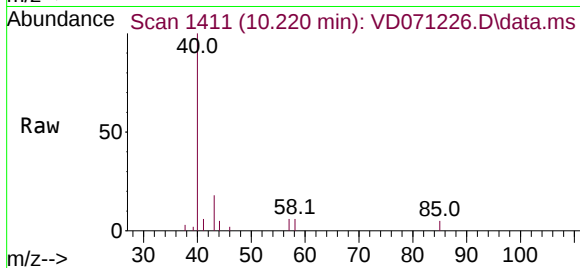
ClientSampleId :

Tgt Ion: 43 Resp: 3149

Ion Ratio Lower Upper

43 100

58 32.0 33.1 49.7#



#56

Ethyl methacrylate

Concen: 5.986 ug/l

RT: 10.667 min Scan# 1487

Delta R.T. 0.011 min

Lab File: VD071226.D

Acq: 09 Dec 2021 14:16

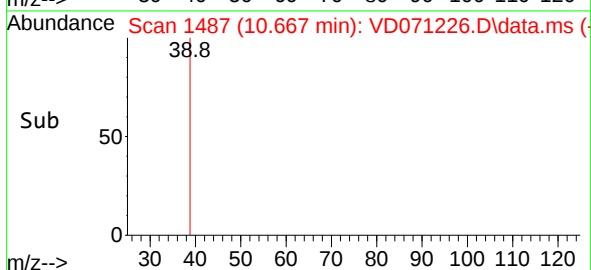
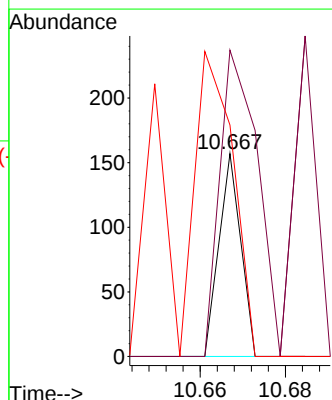
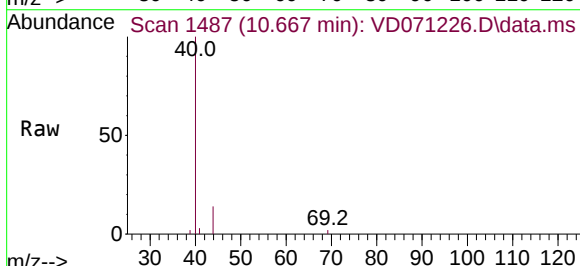
Tgt Ion: 69 Resp: 55

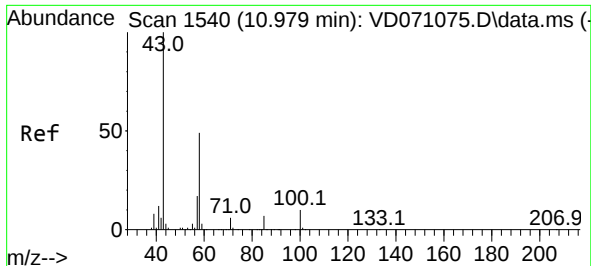
Ion Ratio Lower Upper

69 100

41 263.6 50.2 75.2#

39 401.8 19.8 29.8#

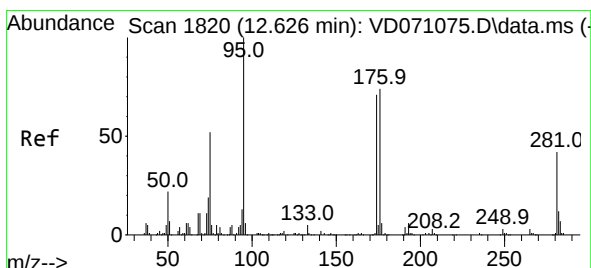
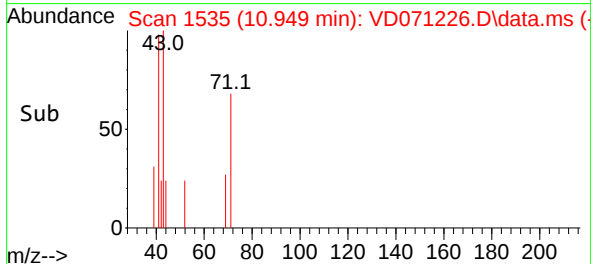
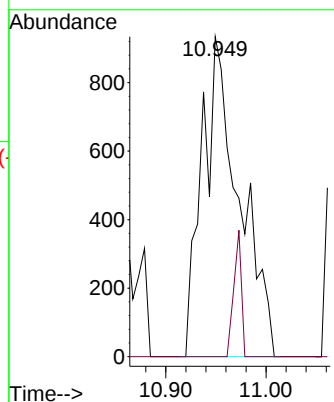
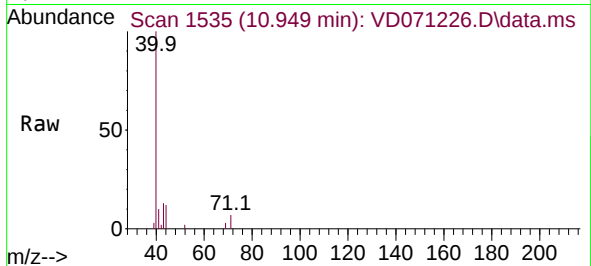




#59
2-Hexanone
Concen: 35.832 ug/l
RT: 10.949 min Scan# 1535
Delta R.T. -0.030 min
Lab File: VD071226.D
Acq: 09 Dec 2021 14:16

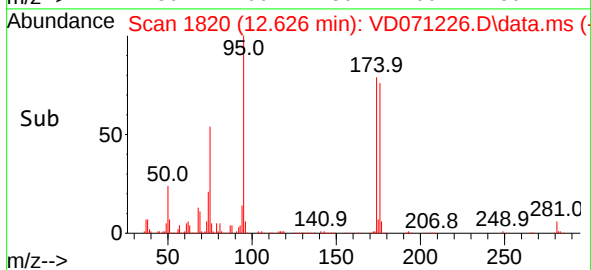
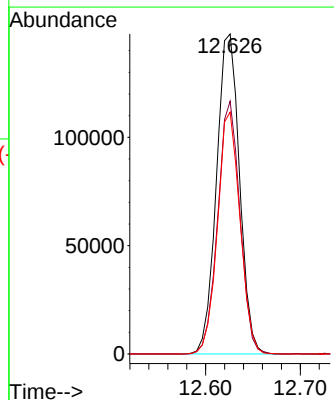
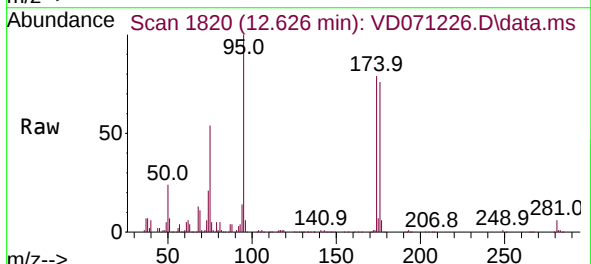
Instrument :
MSVOA_D
ClientSampleId :

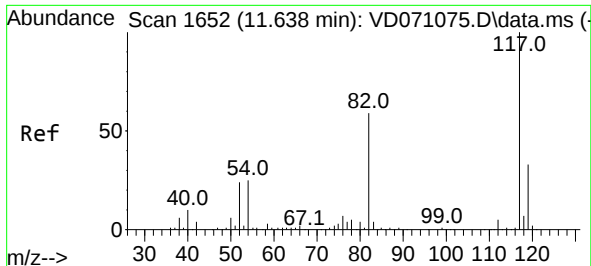
Tgt Ion: 43 Resp: 2404
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 62.008 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071226.D
Acq: 09 Dec 2021 14:16

Tgt Ion: 95 Resp: 249957
Ion Ratio Lower Upper
95 100
174 76.1 0.0 159.4
176 73.6 0.0 154.0

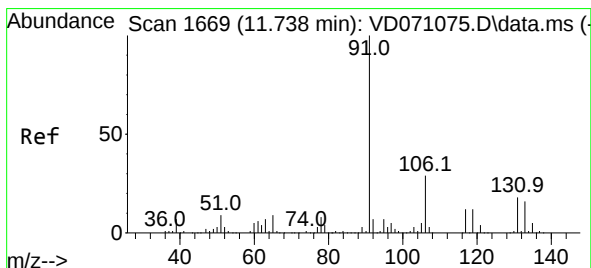
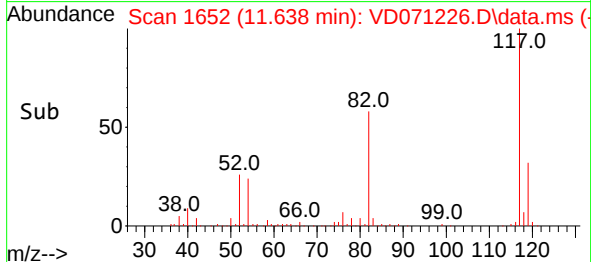
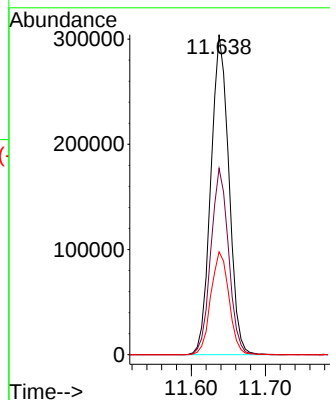
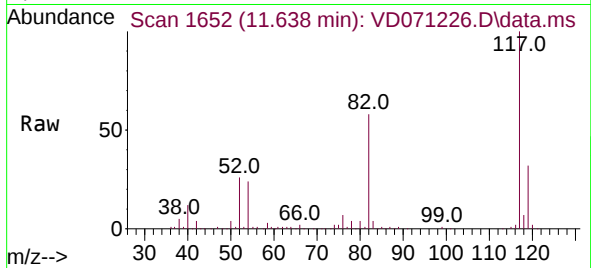




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071226.D
Acq: 09 Dec 2021 14:16

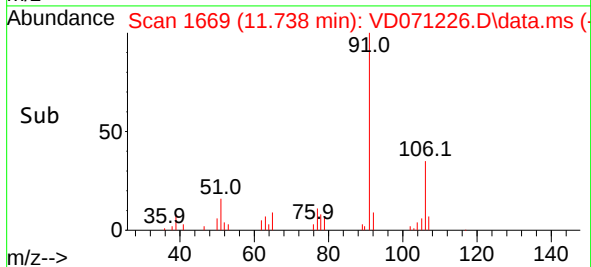
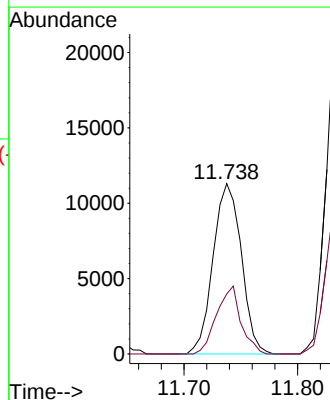
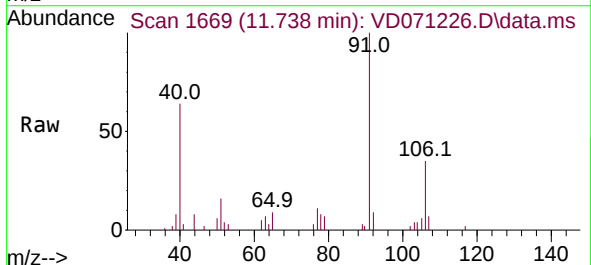
Instrument :
MSVOA_D
ClientSampleId :

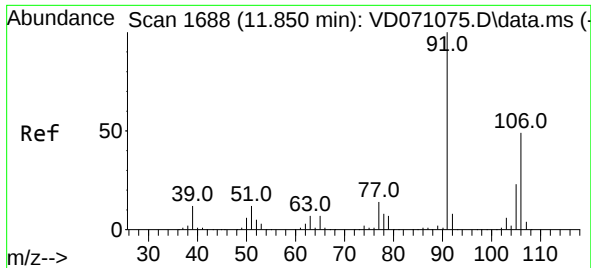
Tgt Ion:117 Resp: 513024
Ion Ratio Lower Upper
117 100
82 58.2 44.7 67.1
119 32.2 26.2 39.4



#67
Ethyl Benzene
Concen: 1.091 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VD071226.D
Acq: 09 Dec 2021 14:16

Tgt Ion: 91 Resp: 19542
Ion Ratio Lower Upper
91 100
106 35.2 24.6 36.8

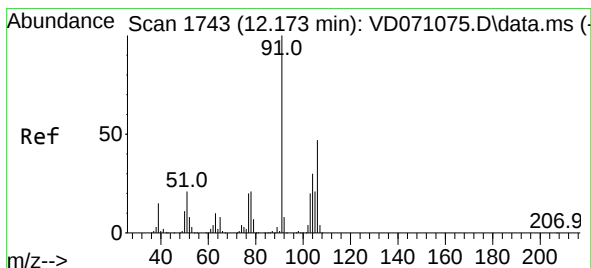
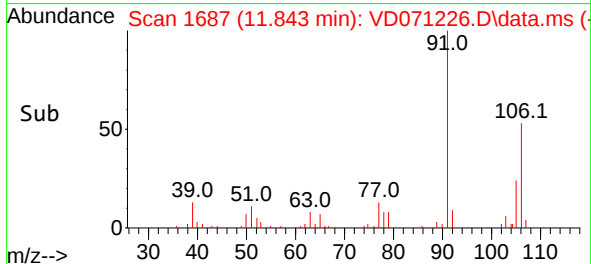
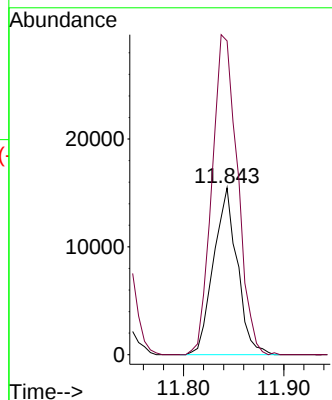
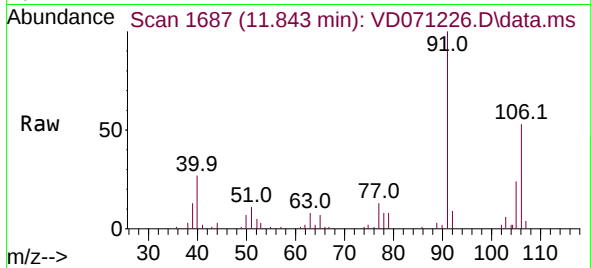




#68
m/p-Xylenes
Concen: 3.762 ug/l
RT: 11.843 min Scan# 1688
Delta R.T. -0.007 min
Lab File: VD071226.D
Acq: 09 Dec 2021 14:16

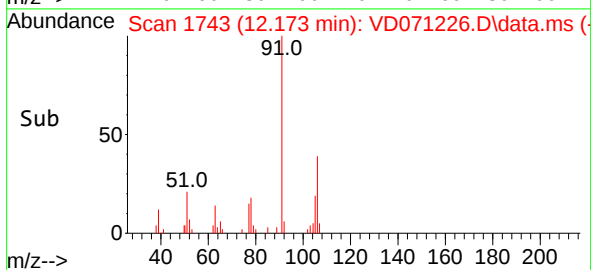
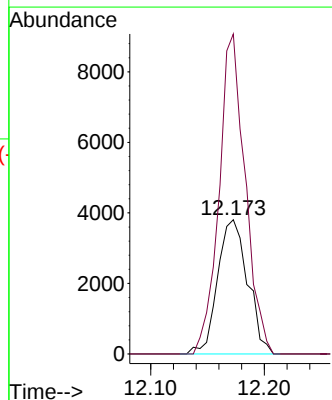
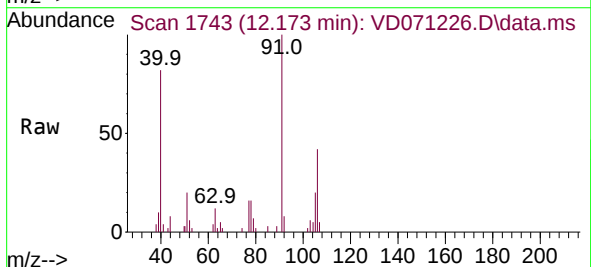
Instrument :
MSVOA_D
ClientSampleId :

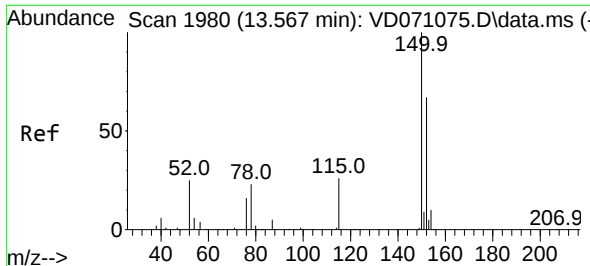
Tgt Ion:106 Resp: 25448
Ion Ratio Lower Upper
106 100
91 206.3 160.1 240.1



#69
o-Xylene
Concen: 1.102 ug/l
RT: 12.173 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VD071226.D
Acq: 09 Dec 2021 14:16

Tgt Ion:106 Resp: 7010
Ion Ratio Lower Upper
106 100
91 207.6 106.3 319.0

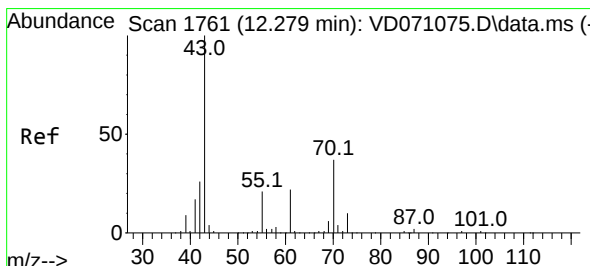
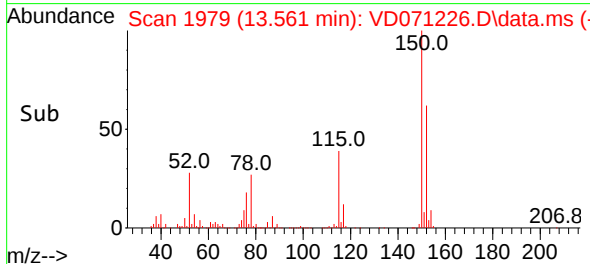
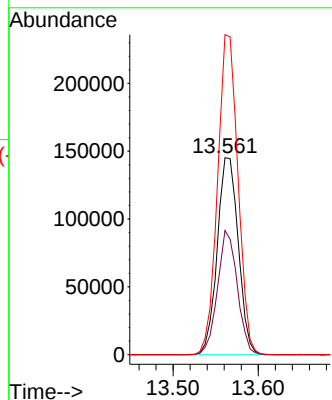
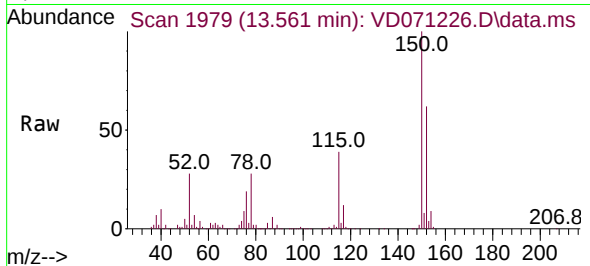




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD071226.D
Acq: 09 Dec 2021 14:16

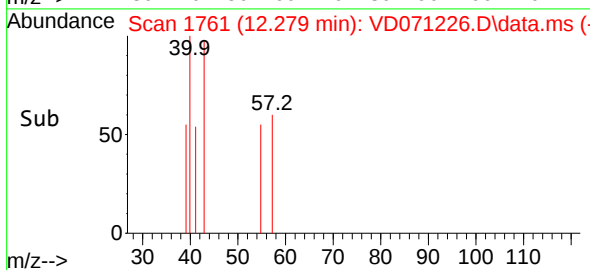
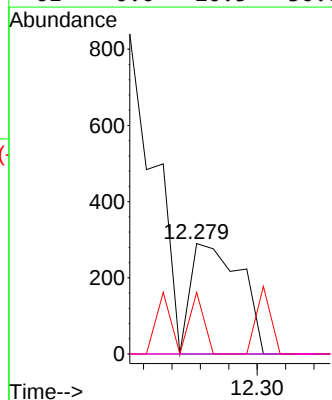
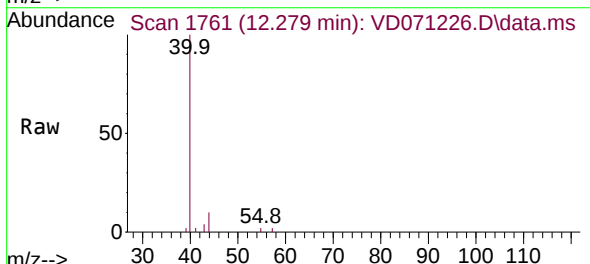
Instrument :
MSVOA_D
ClientSampleId :

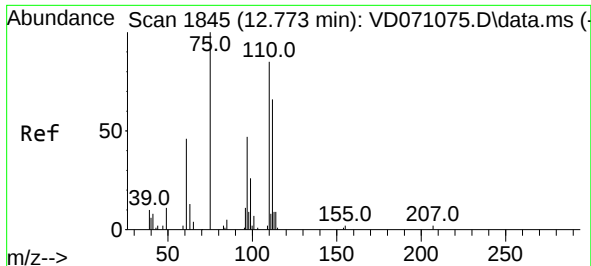
Tgt Ion:152 Resp: 249041
Ion Ratio Lower Upper
152 100
115 59.3 29.8 89.3
150 157.7 0.0 349.2



#74
N-ethyl acetate
Concen: 5.765 ug/l
RT: 12.279 min Scan# 1761
Delta R.T. -0.000 min
Lab File: VD071226.D
Acq: 09 Dec 2021 14:16

Tgt Ion: 43 Resp: 355
Ion Ratio Lower Upper
43 100
70 0.0 36.6 55.0#
55 32.1 22.5 33.7
61 0.0 20.5 30.7#

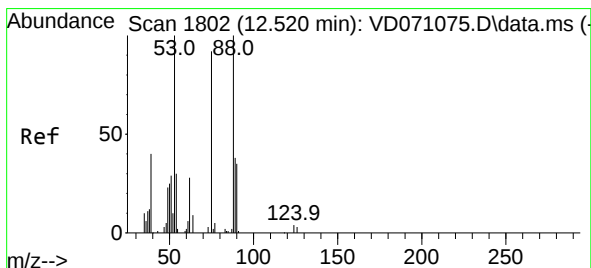
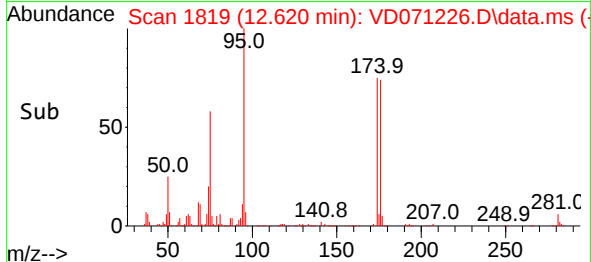
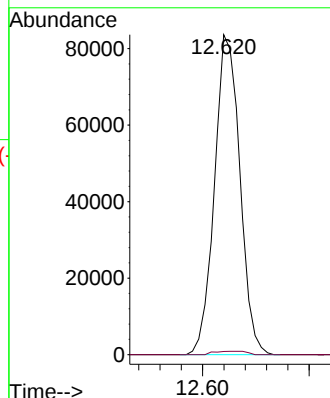
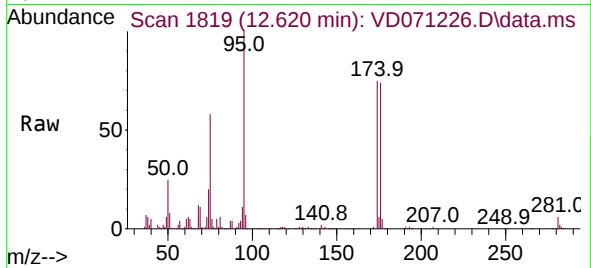




#76
1,2,3-Trichloropropane
Concen: 58.199 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071226.D
Acq: 09 Dec 2021 14:16

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 138092
Ion Ratio Lower Upper
75 100
77 1.4 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 126.179 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071226.D
Acq: 09 Dec 2021 14:16

Tgt Ion: 75 Resp: 138092
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 0.0 34.5 51.7#

