

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120321\
 Data File : VD071131.D
 Acq On : 03 Dec 2021 13:07
 Operator : VA/SY
 Sample : M4910-17
 Misc : 5.10G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-1-4

Quant Time: Dec 04 03:50:01 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

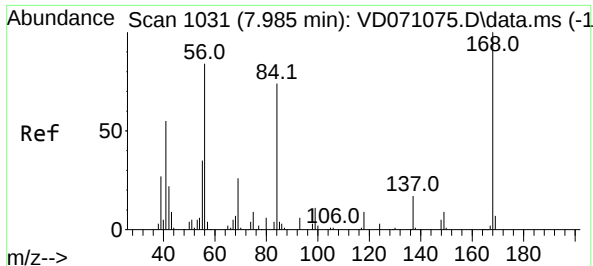
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.973	168	323033	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.861	114	578840	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	590510	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	257149	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	180526	47.627	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.260%
35) Dibromofluoromethane	7.914	113	180828	49.058	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.120%
50) Toluene-d8	10.338	98	743380	52.996	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.000%
62) 4-Bromofluorobenzene	12.626	95	276103	56.784	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	113.560%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.309	142	355	4.646	ug/l #	65
11) Tert butyl alcohol	5.173	59	6420	Below Cal	#	71
16) Acetone	4.156	43	6599	36.545	ug/l	96
20) Methylene Chloride	4.967	84	20351	1.249	ug/l	94
23) Vinyl Acetate	6.303	43	416	27.278	ug/l #	72
25) 2-Butanone	7.197	43	238	28.541	ug/l #	45
31) Cyclohexane	7.973	56	10659	1.653	ug/l #	31
38) Carbon Tetrachloride	7.979	117	33918	6.360	ug/l #	15
41) Methacrylonitrile	7.520	41	328	Below Cal	#	18
43) Isopropyl Acetate	8.455	43	176	5.254	ug/l #	47
49) 1,4-Dioxane	9.473	88	60	3.100	ug/l #	23
51) 4-Methyl-2-Pentanone	10.226	43	1952	31.302	ug/l #	66
56) Ethyl methacrylate	10.673	69	119	5.998	ug/l #	1
59) 2-Hexanone	11.032	43	152	34.640	ug/l	96
71) Bromoform	12.626	173	2984	1.440	ug/l #	1
74) N-amyl acetate	12.279	43	646	5.813	ug/l #	44
76) 1,2,3-Trichloropropane	12.626	75	154662	63.127	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	154662	136.374	ug/l #	18

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

Quant Time: Dec 04 03:50:01 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

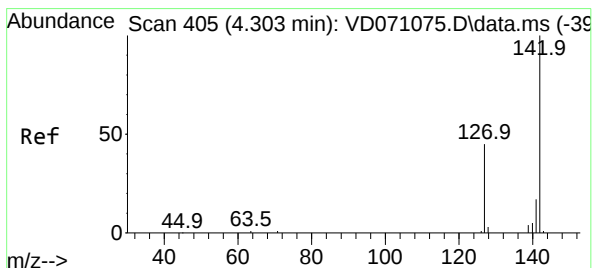
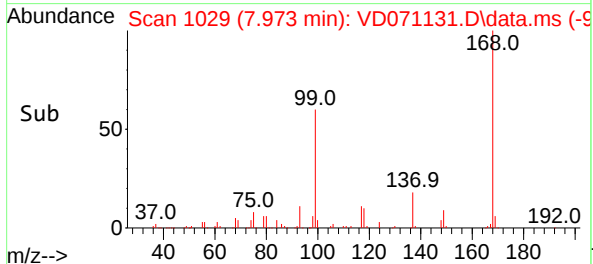
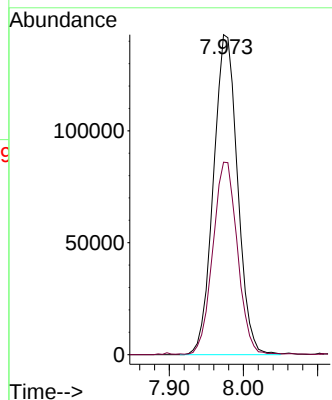
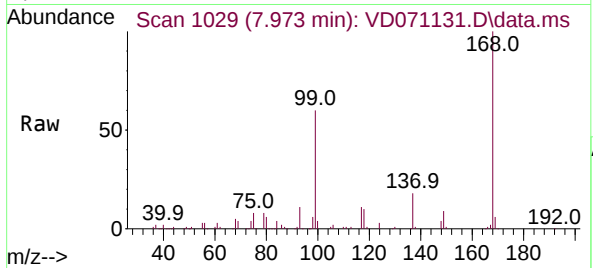




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1031
Delta R.T. -0.012 min
Lab File: VD071131.D
Acq: 03 Dec 2021 13:07

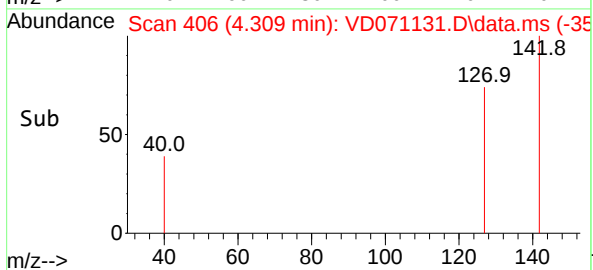
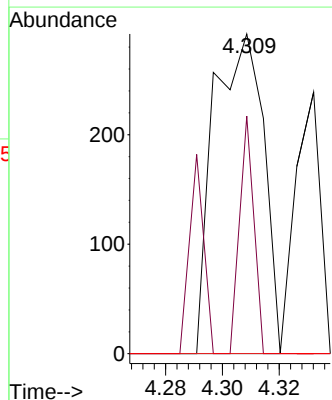
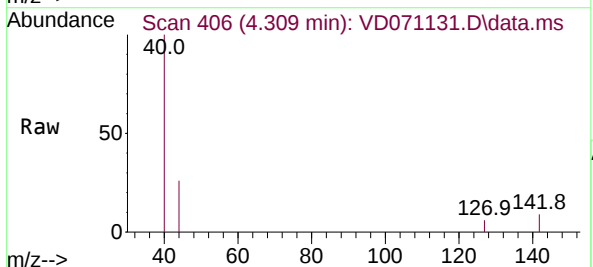
Instrument :
MSVOA_D
ClientSampleId :
SP-1-4

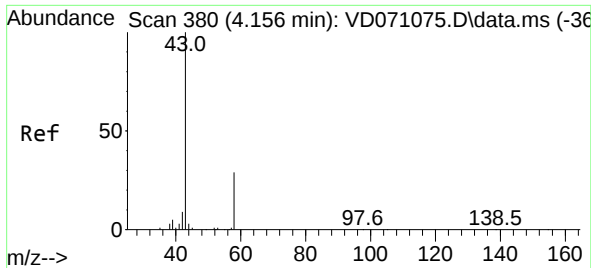
Tgt Ion:168 Resp: 323033
Ion Ratio Lower Upper
168 100
99 59.9 46.6 69.8



#10
Methyl Iodide
Concen: 4.646 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD071131.D
Acq: 03 Dec 2021 13:07

Tgt Ion:142 Resp: 355
Ion Ratio Lower Upper
142 100
127 21.7 35.0 52.4#
141 0.0 12.0 18.0#

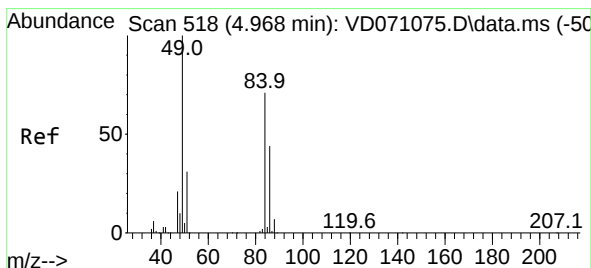
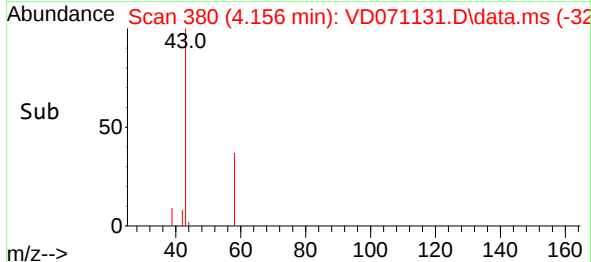
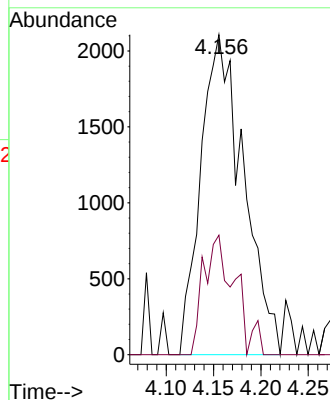
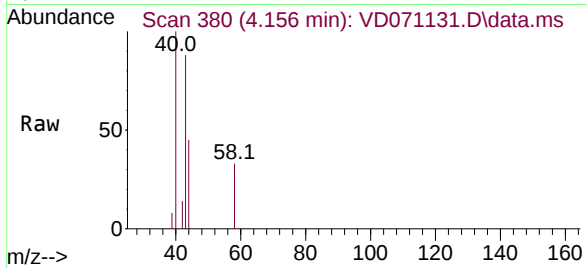




#16
Acetone
Concen: 36.545 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD071131.D
Acq: 03 Dec 2021 13:07

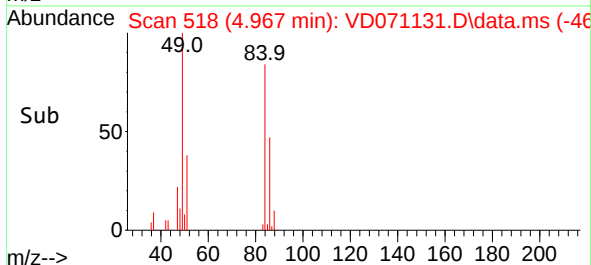
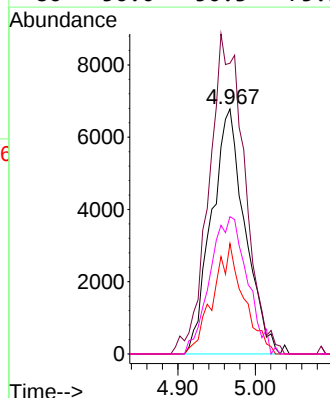
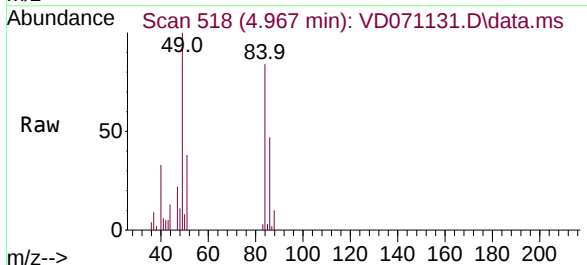
Instrument :
MSVOA_D
ClientSampleId :
SP-1-4

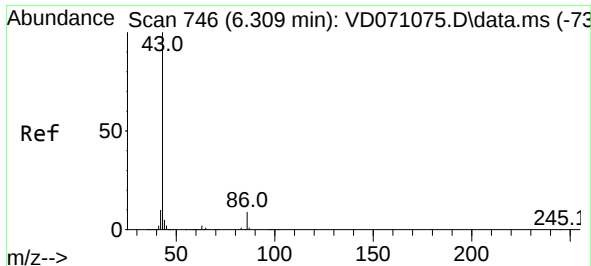
Tgt Ion: 43 Resp: 6599
Ion Ratio Lower Upper
43 100
58 37.4 27.8 41.8



#20
Methylene Chloride
Concen: 1.249 ug/l
RT: 4.967 min Scan# 518
Delta R.T. -0.001 min
Lab File: VD071131.D
Acq: 03 Dec 2021 13:07

Tgt Ion: 84 Resp: 20351
Ion Ratio Lower Upper
84 100
49 115.4 95.8 143.6
51 45.1 30.9 46.3
86 56.0 50.3 75.5

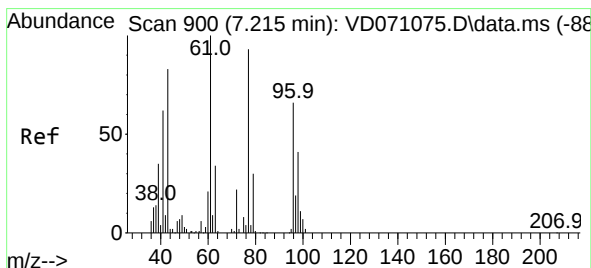
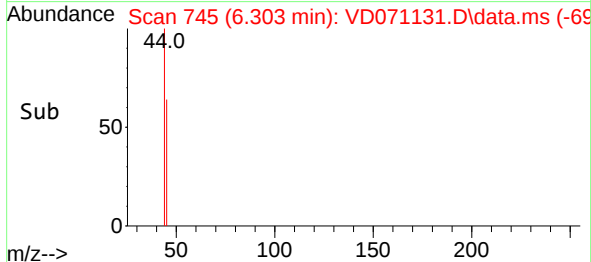
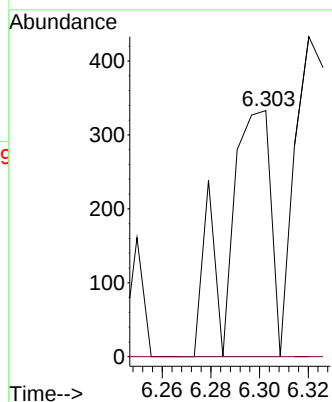
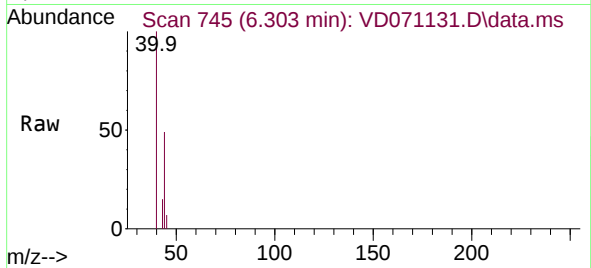




#23
 Vinyl Acetate
 Concen: 27.278 ug/l
 RT: 6.303 min Scan# 746
 Delta R.T. -0.006 min
 Lab File: VD071131.D
 Acq: 03 Dec 2021 13:07

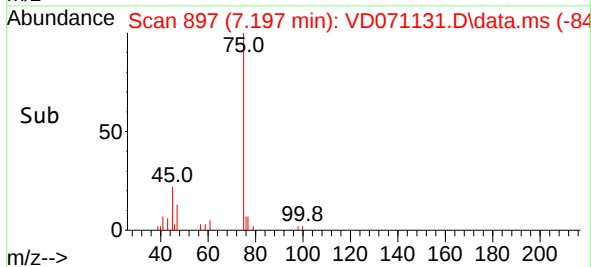
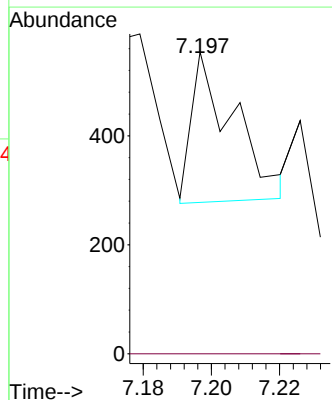
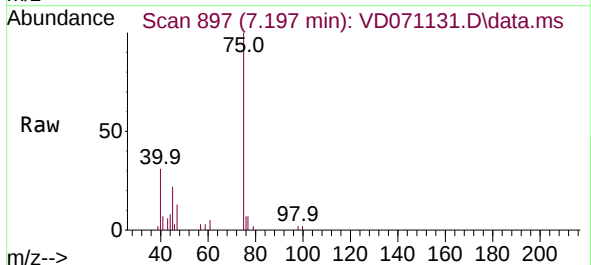
Instrument :
 MSVOA_D
 ClientSampleId :
 SP-1-4

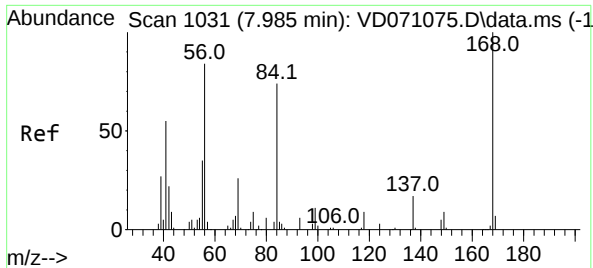
Tgt Ion: 43 Resp: 416
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 28.541 ug/l
 RT: 7.197 min Scan# 897
 Delta R.T. -0.018 min
 Lab File: VD071131.D
 Acq: 03 Dec 2021 13:07

Tgt Ion: 43 Resp: 238
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#

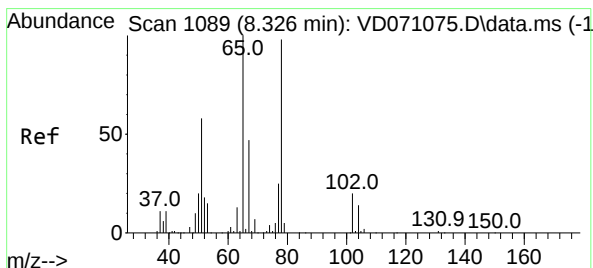
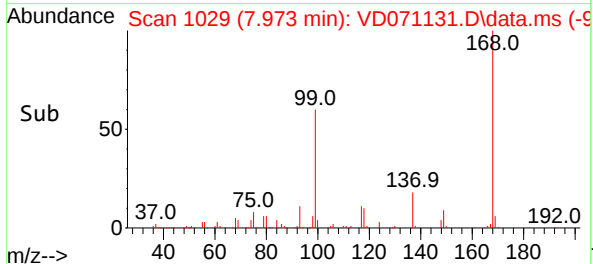
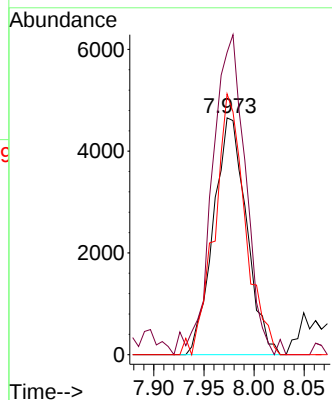
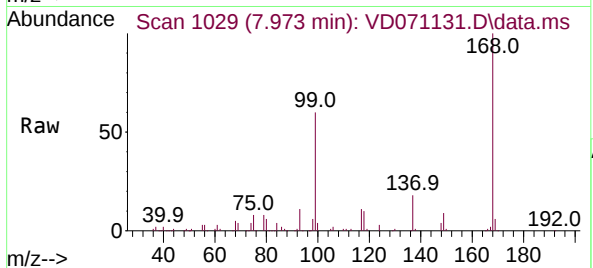




#31
Cyclohexane
Concen: 1.653 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071131.D
Acq: 03 Dec 2021 13:07

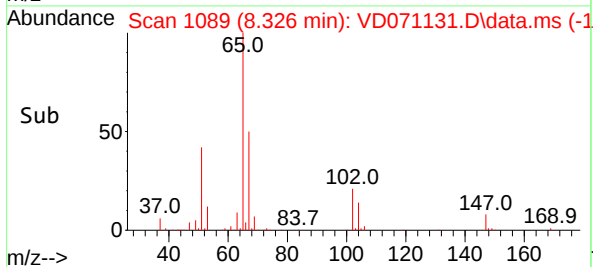
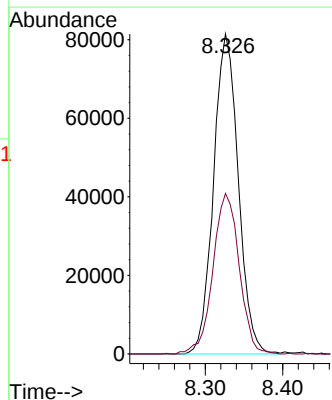
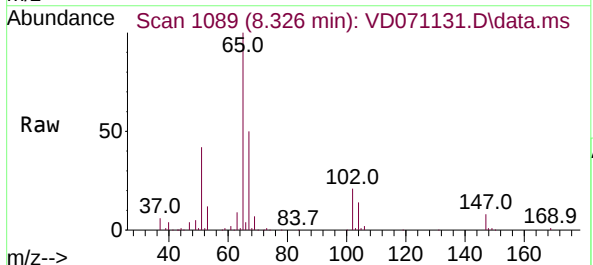
Instrument :
MSVOA_D
ClientSampleId :
SP-1-4

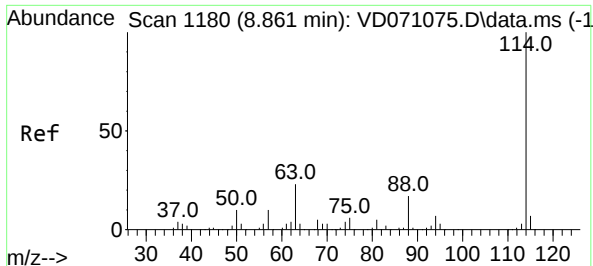
Tgt Ion: 56 Resp: 10659
Ion Ratio Lower Upper
56 100
69 121.2 25.9 38.9#
84 110.1 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 47.627 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD071131.D
Acq: 03 Dec 2021 13:07

Tgt Ion: 65 Resp: 180526
Ion Ratio Lower Upper
65 100
67 53.4 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: VD071131.D

Acq: 03 Dec 2021 13:07

Instrument :

MSVOA_D

ClientSampleId :

SP-1-4

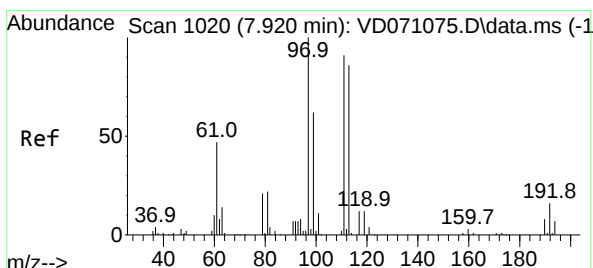
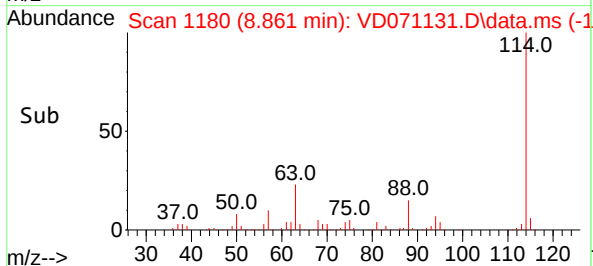
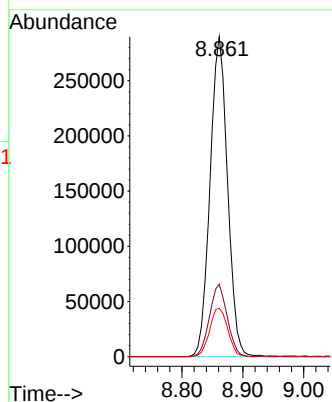
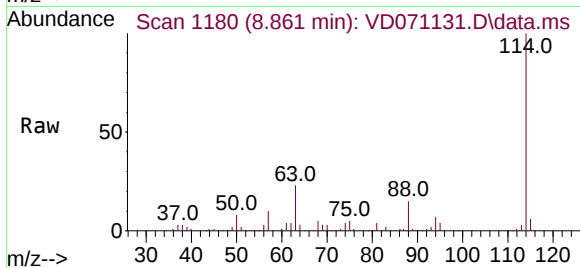
Tgt Ion:114 Resp: 578840

Ion Ratio Lower Upper

114 100

63 22.6 0.0 41.8

88 15.1 0.0 32.8



#35

Dibromofluoromethane

Concen: 49.058 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071131.D

Acq: 03 Dec 2021 13:07

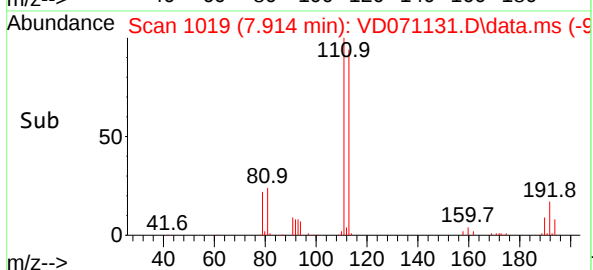
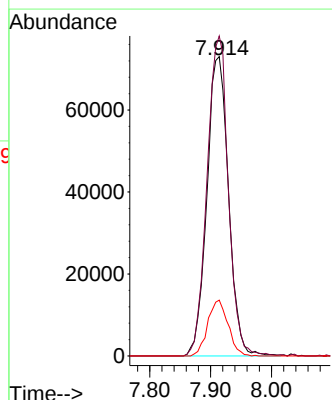
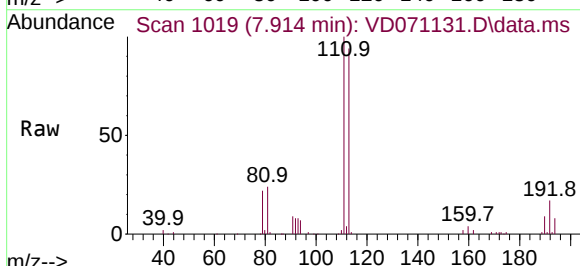
Tgt Ion:113 Resp: 180828

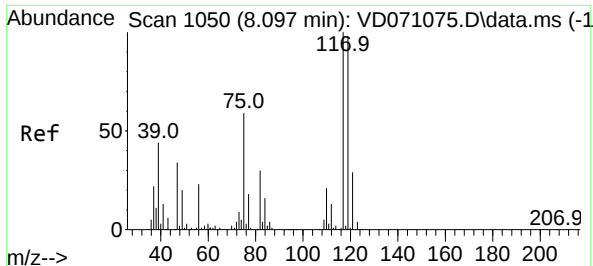
Ion Ratio Lower Upper

113 100

111 104.9 82.0 123.0

192 17.5 15.2 22.8





#38

Carbon Tetrachloride

Concen: 6.360 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.118 min

Lab File: VD071131.D

Acq: 03 Dec 2021 13:07

Instrument :

MSVOA_D

ClientSampleId :

SP-1-4

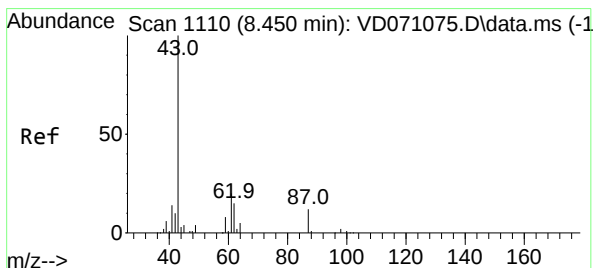
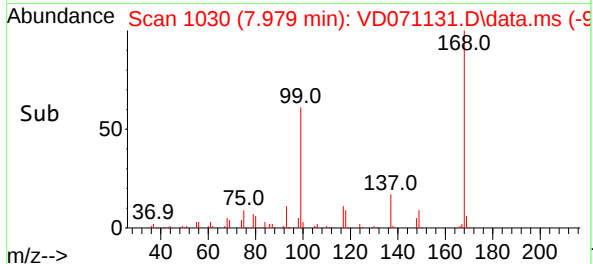
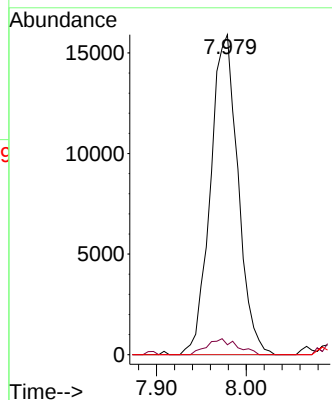
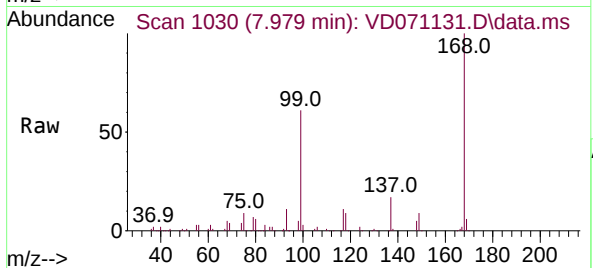
Tgt Ion:117 Resp: 33918

Ion Ratio Lower Upper

117 100

119 3.1 75.8 113.6#

121 0.0 23.6 35.4#



#43

Isopropyl Acetate

Concen: 5.254 ug/l

RT: 8.455 min Scan# 1111

Delta R.T. 0.005 min

Lab File: VD071131.D

Acq: 03 Dec 2021 13:07

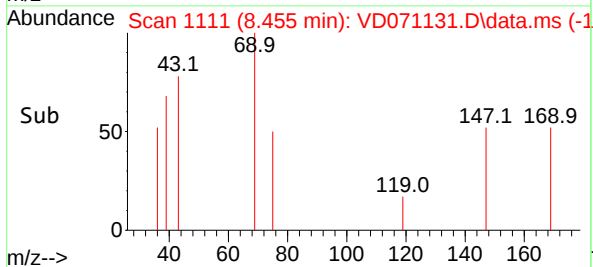
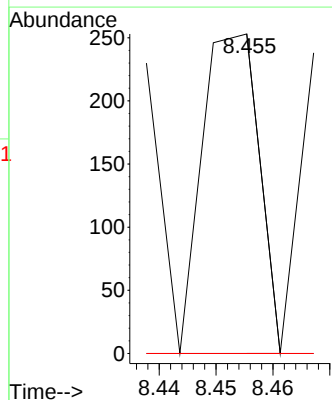
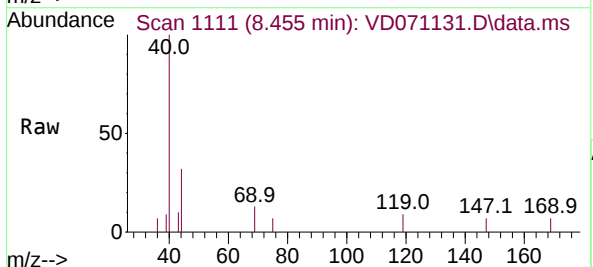
Tgt Ion: 43 Resp: 176

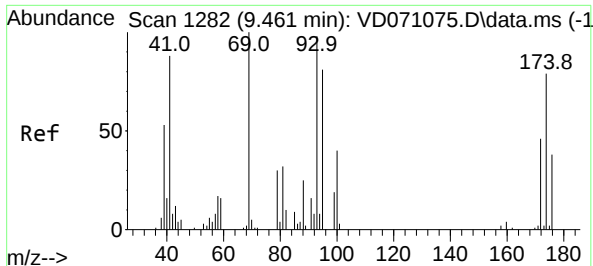
Ion Ratio Lower Upper

43 100

61 0.0 28.2 42.4#

87 0.0 10.7 16.1#





#49

1,4-Dioxane

Concen: 3.100 ug/l

RT: 9.473 min Scan# 1284

Delta R.T. 0.012 min

Lab File: VD071131.D

Acq: 03 Dec 2021 13:07

Instrument :

MSVOA_D

ClientSampleId :

SP-1-4

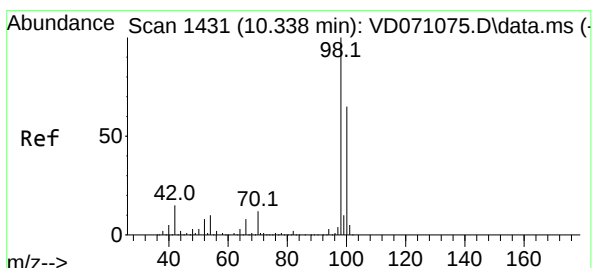
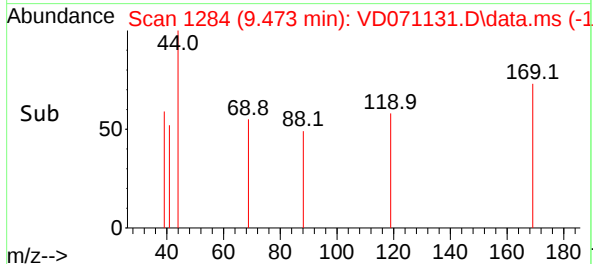
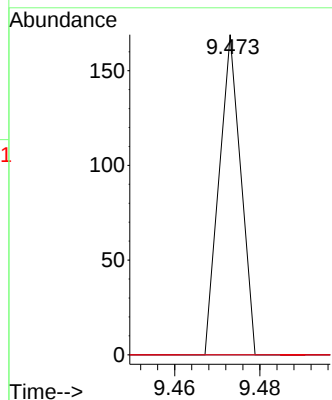
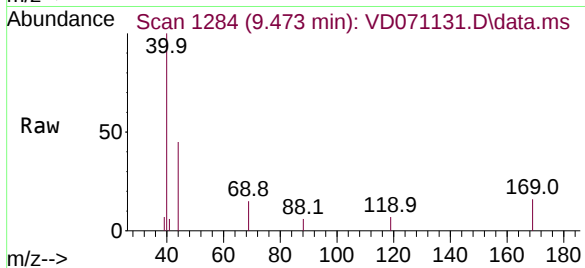
Tgt Ion: 88 Resp: 60

Ion Ratio Lower Upper

88 100

43 0.0 28.9 43.3#

58 0.0 56.3 84.5#



#50

Toluene-d8

Concen: 52.996 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. -0.000 min

Lab File: VD071131.D

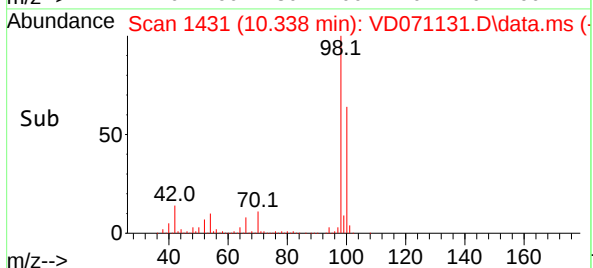
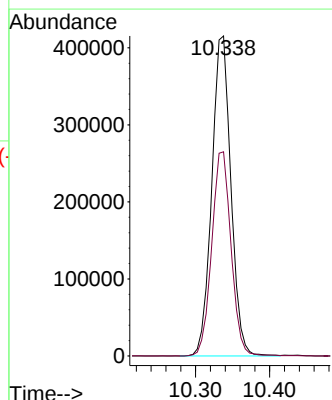
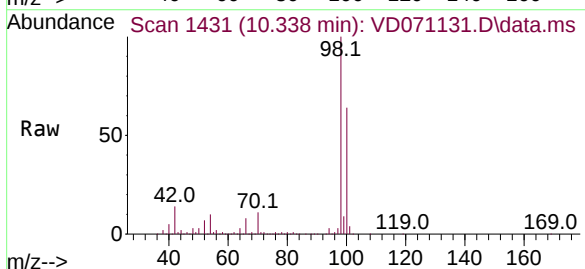
Acq: 03 Dec 2021 13:07

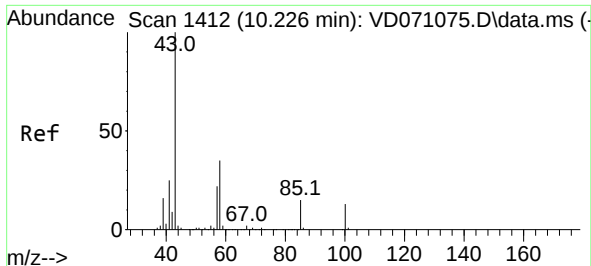
Tgt Ion: 98 Resp: 743380

Ion Ratio Lower Upper

98 100

100 64.6 51.8 77.6

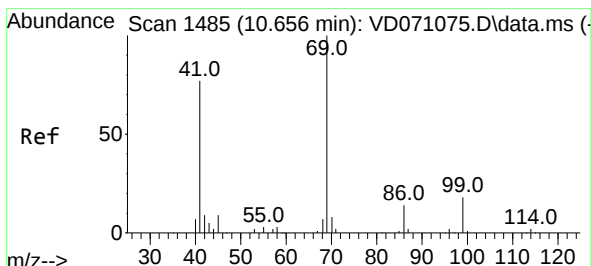
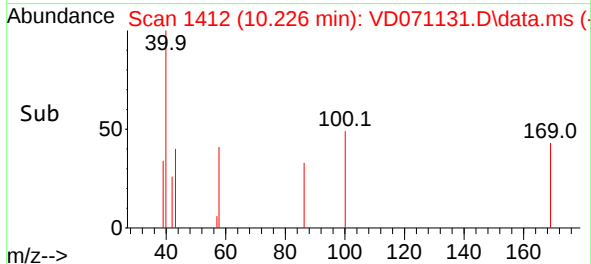
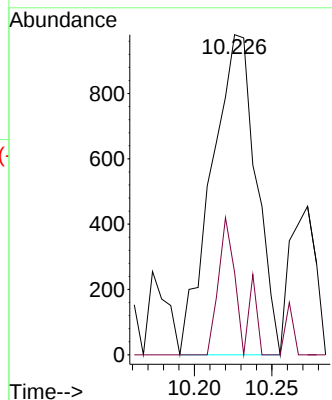
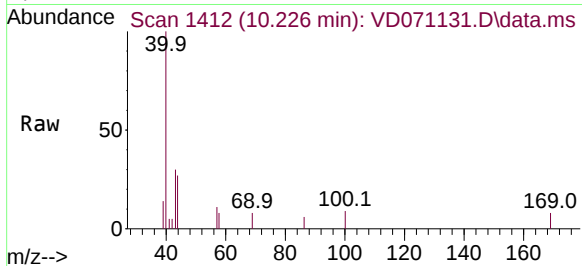




#51
4-Methyl-2-Pentanone
Concen: 31.302 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.000 min
Lab File: VD071131.D
Acq: 03 Dec 2021 13:07

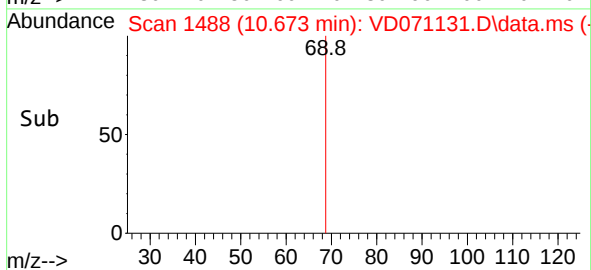
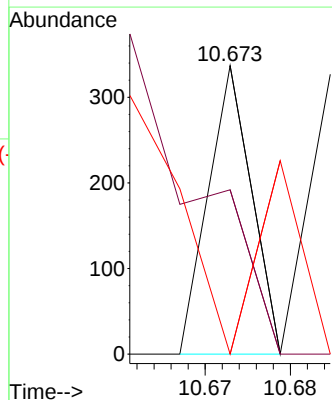
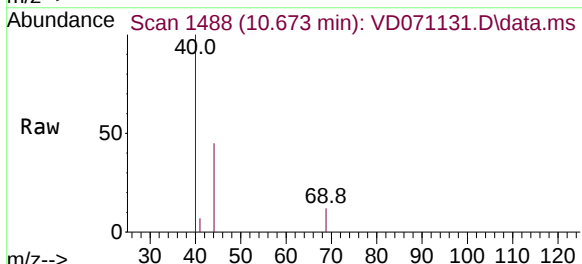
Instrument :
MSVOA_D
ClientSampleId :
SP-1-4

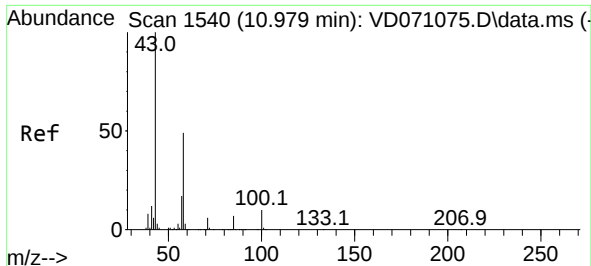
Tgt Ion: 43 Resp: 1952
Ion Ratio Lower Upper
43 100
58 19.8 33.1 49.7#



#56
Ethyl methacrylate
Concen: 5.998 ug/l
RT: 10.673 min Scan# 1488
Delta R.T. 0.017 min
Lab File: VD071131.D
Acq: 03 Dec 2021 13:07

Tgt Ion: 69 Resp: 119
Ion Ratio Lower Upper
69 100
41 219.3 50.2 75.2#
39 196.6 19.8 29.8#

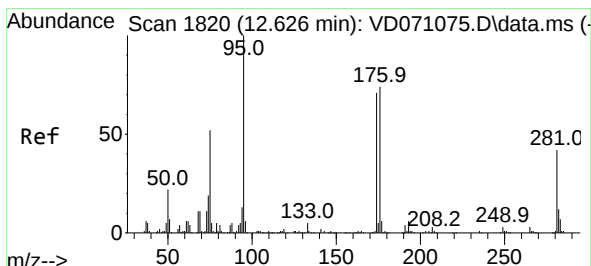
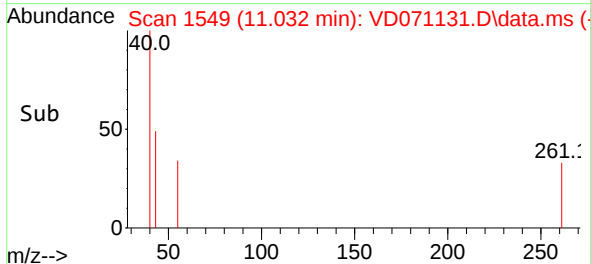
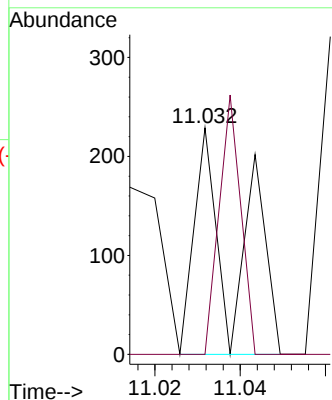
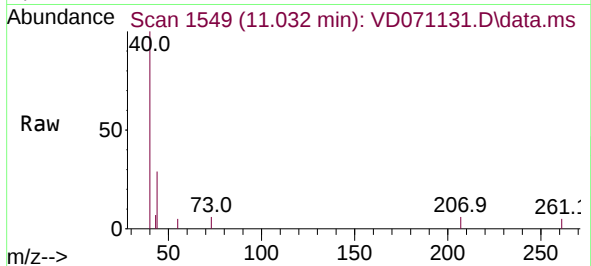




#59
2-Hexanone
Concen: 34.640 ug/l
RT: 11.032 min Scan# 1549
Delta R.T. 0.053 min
Lab File: VD071131.D
Acq: 03 Dec 2021 13:07

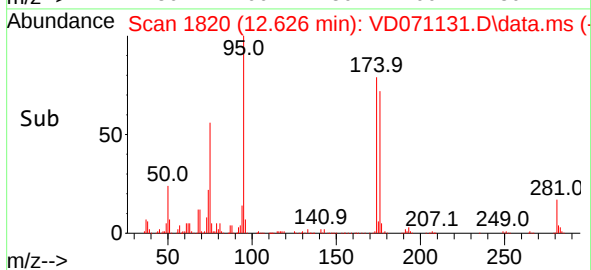
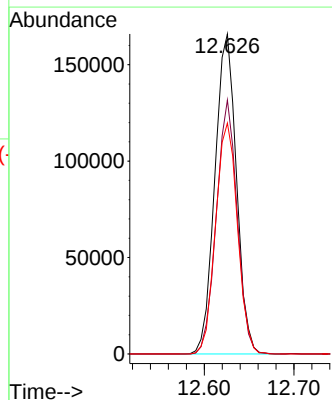
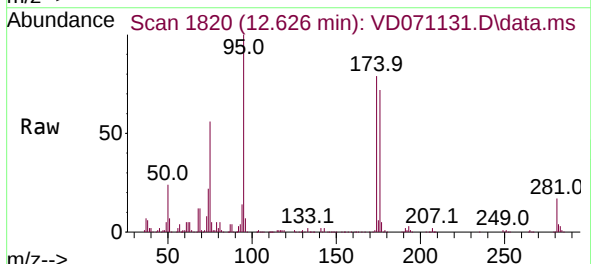
Instrument :
MSVOA_D
ClientSampleId :
SP-1-4

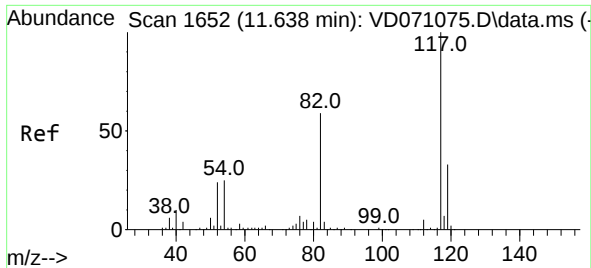
Tgt Ion: 43 Resp: 152
Ion Ratio Lower Upper
43 100
58 60.5 28.7 86.1



#62
4-Bromofluorobenzene
Concen: 56.784 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071131.D
Acq: 03 Dec 2021 13:07

Tgt Ion: 95 Resp: 276103
Ion Ratio Lower Upper
95 100
174 76.6 0.0 159.4
176 73.4 0.0 154.0

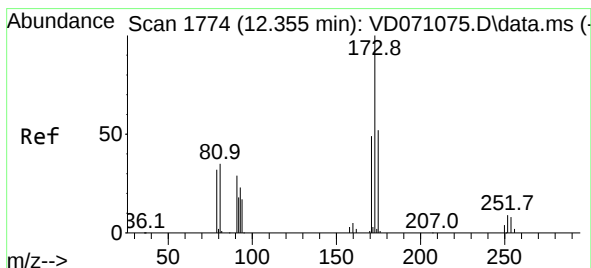
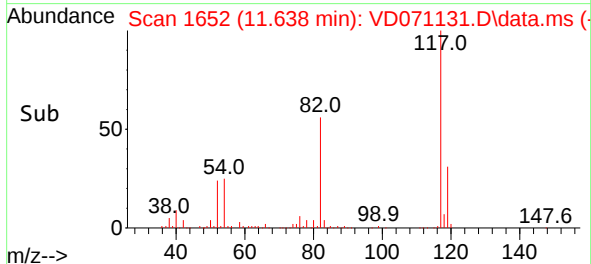
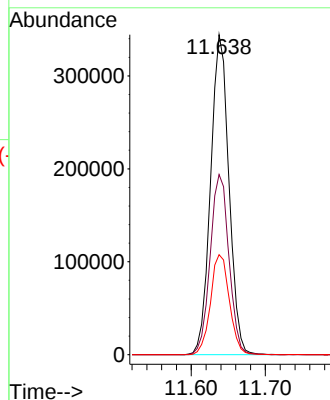
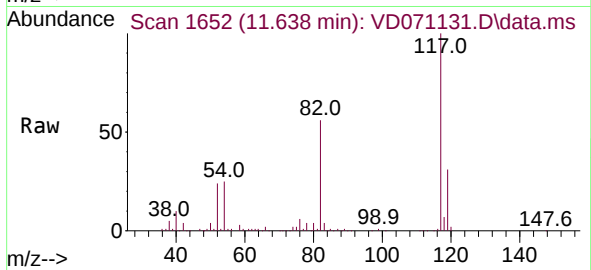




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD071131.D
Acq: 03 Dec 2021 13:07

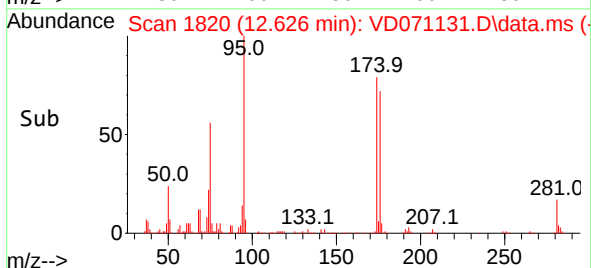
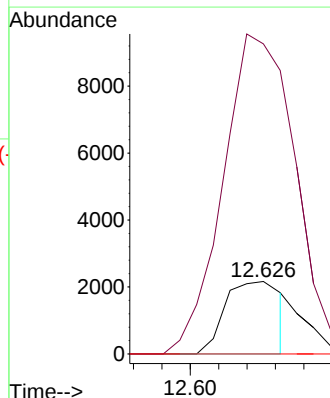
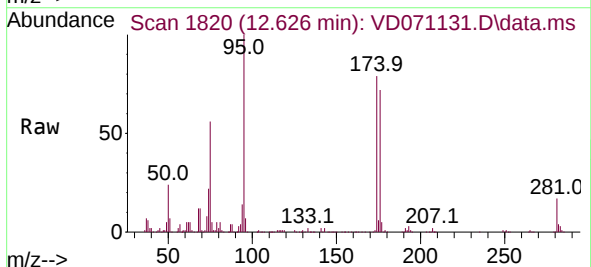
Instrument :
MSVOA_D
ClientSampleId :
SP-1-4

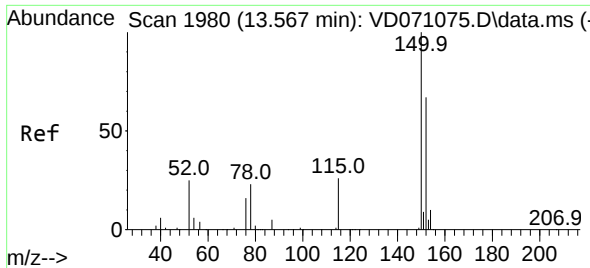
Tgt Ion:117 Resp: 590510
Ion Ratio Lower Upper
117 100
82 56.3 44.7 67.1
119 31.3 26.2 39.4



#71
Bromoform
Concen: 1.440 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD071131.D
Acq: 03 Dec 2021 13:07

Tgt Ion:173 Resp: 2984
Ion Ratio Lower Upper
173 100
175 461.6 24.1 72.2#
254 0.0 0.1 0.1#

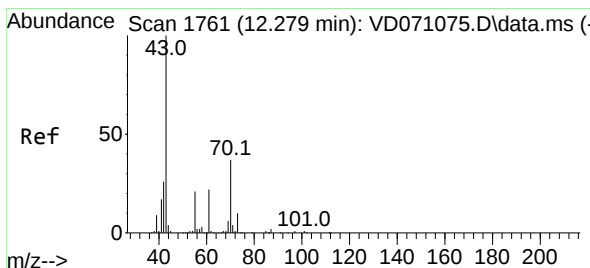
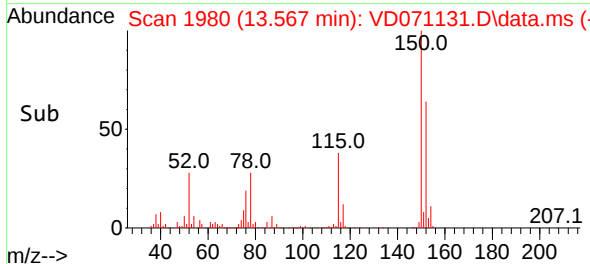
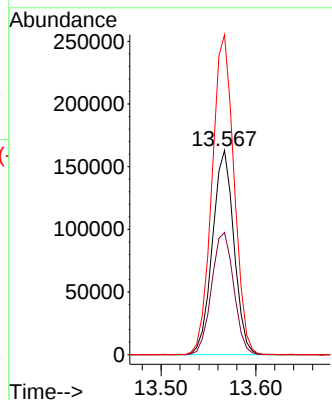
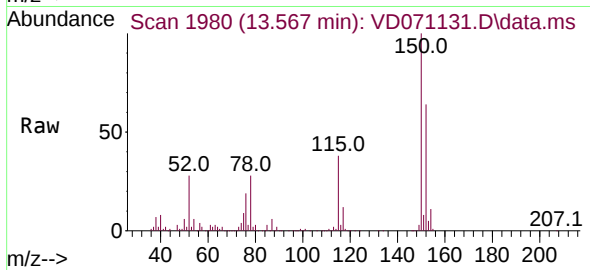




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071131.D
Acq: 03 Dec 2021 13:07

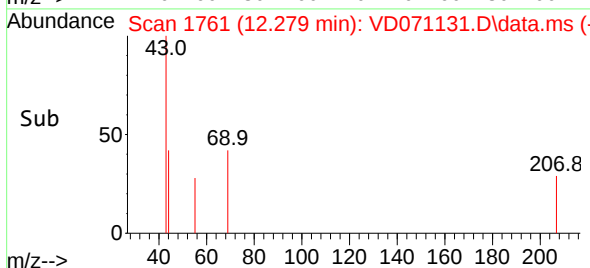
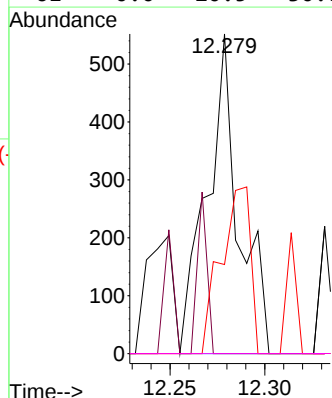
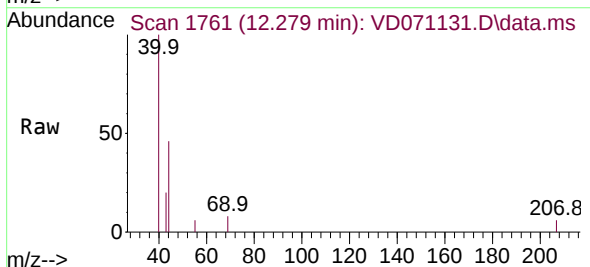
Instrument :
MSVOA_D
ClientSampleId :
SP-1-4

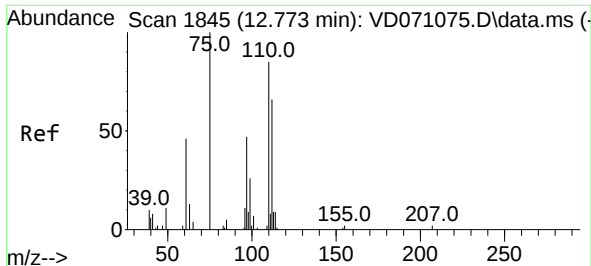
Tgt Ion:152 Resp: 257149
Ion Ratio Lower Upper
152 100
115 61.6 29.8 89.3
150 160.2 0.0 349.2



#74
N-ethyl acetate
Concen: 5.813 ug/l
RT: 12.279 min Scan# 1761
Delta R.T. -0.000 min
Lab File: VD071131.D
Acq: 03 Dec 2021 13:07

Tgt Ion: 43 Resp: 646
Ion Ratio Lower Upper
43 100
70 0.0 36.6 55.0#
55 48.3 22.5 33.7#
61 0.0 20.5 30.7#

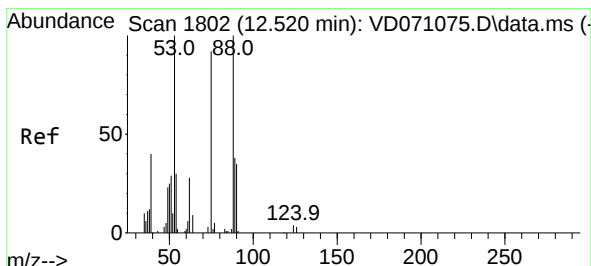
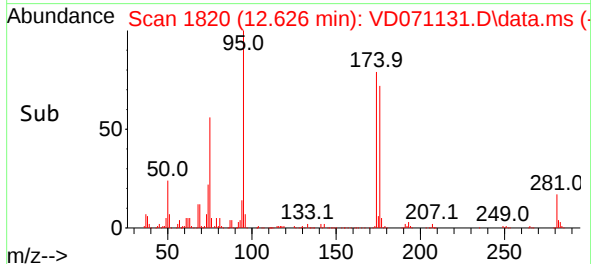
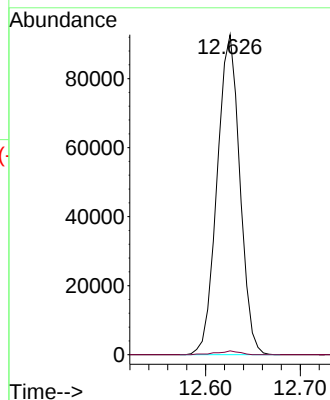
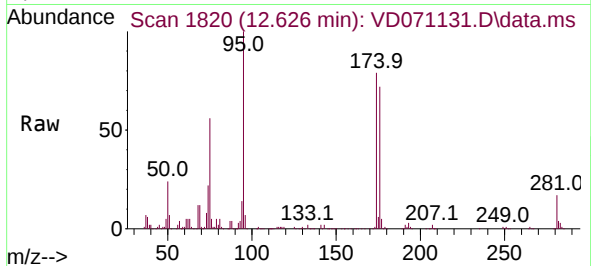




#76
1,2,3-Trichloropropane
Concen: 63.127 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071131.D
Acq: 03 Dec 2021 13:07

Instrument :
MSVOA_D
ClientSampleId :
SP-1-4

Tgt Ion: 75 Resp: 154662
Ion Ratio Lower Upper
75 100
77 1.1 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 136.374 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071131.D
Acq: 03 Dec 2021 13:07

Tgt Ion: 75 Resp: 154662
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.2 34.5 51.7#

