

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120421\
 Data File : VD071149.D
 Acq On : 04 Dec 2021 17:49
 Operator : VA/SY
 Sample : M4927-05
 Misc : 5.68G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 06 03:44:15 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)

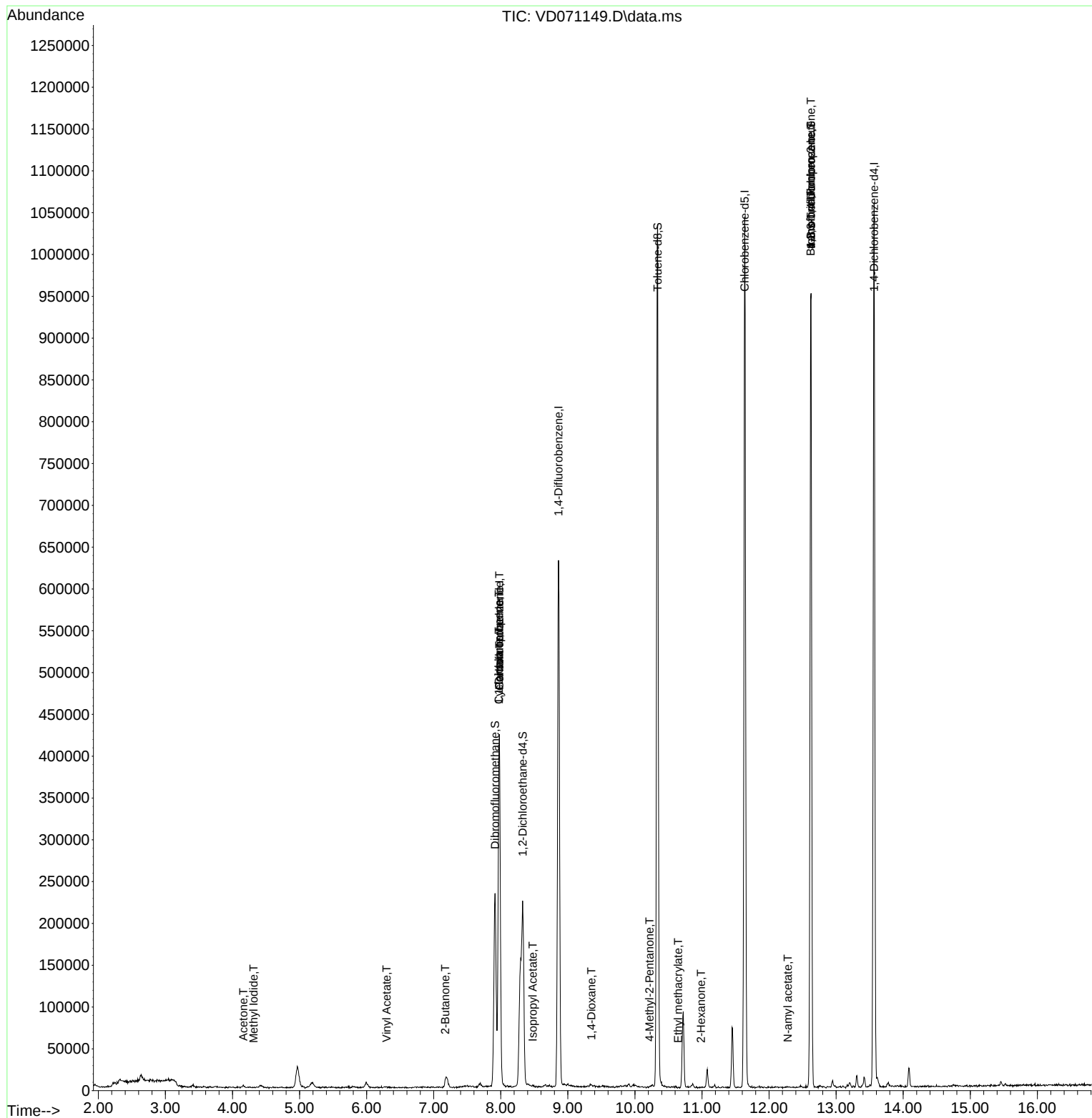
Internal Standards						
1) Pentafluorobenzene	7.979	168	299329	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	520521	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	545821	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	260218	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	157440	44.826	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.660%
35) Dibromofluoromethane	7.914	113	159421	48.096	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.200%
50) Toluene-d8	10.338	98	663559	52.606	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	105.220%
62) 4-Bromofluorobenzene	12.626	95	263705	60.311	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	120.620%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.314	142	433	4.673	ug/l #	40
11) Tert butyl alcohol	5.173	59	3045	Below Cal	#	71
16) Acetone	4.162	43	3195	33.800	ug/l #	69
23) Vinyl Acetate	6.297	43	59	27.228	ug/l #	72
25) 2-Butanone	7.173	43	1235	29.376	ug/l #	45
31) Cyclohexane	7.973	56	9032	1.512	ug/l #	48
36) 1,1-Dichloropropene	7.973	75	25996	5.344	ug/l #	48
38) Carbon Tetrachloride	7.979	117	32207	6.716	ug/l #	18
41) Methacrylonitrile	7.526	41	67	Below Cal	#	12
43) Isopropyl Acetate	8.479	43	212	5.264	ug/l #	47
49) 1,4-Dioxane	9.350	88	113	6.493	ug/l #	1
51) 4-Methyl-2-Pentanone	10.220	43	606	30.876	ug/l #	34
56) Ethyl methacrylate	10.644	69	117	6.001	ug/l #	28
59) 2-Hexanone	10.985	43	257	34.698	ug/l #	22
71) Bromoform	12.620	173	2532	1.322	ug/l #	1
74) N-amyl acetate	12.279	43	89	5.716	ug/l #	40
76) 1,2,3-Trichloropropane	12.626	75	147956	59.678	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	147956	129.238	ug/l #	18

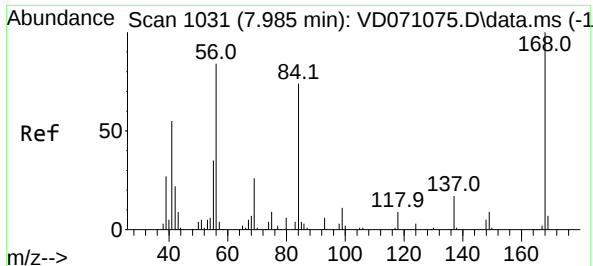
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
Response via : Initial Calibration

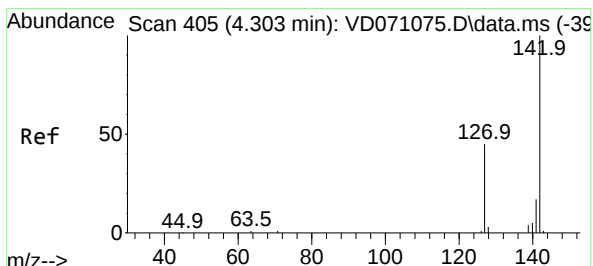
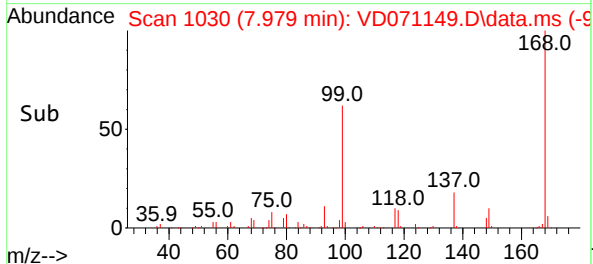
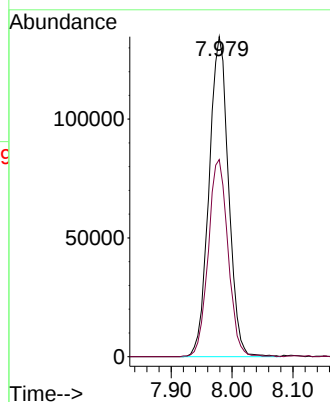
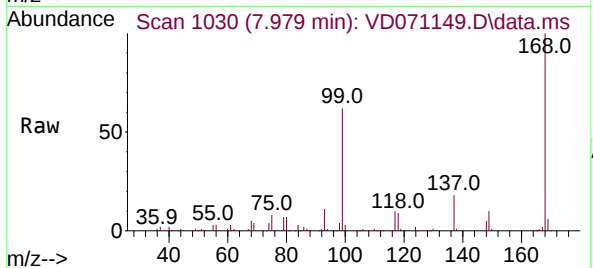




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071149.D
Acq: 04 Dec 2021 17:49

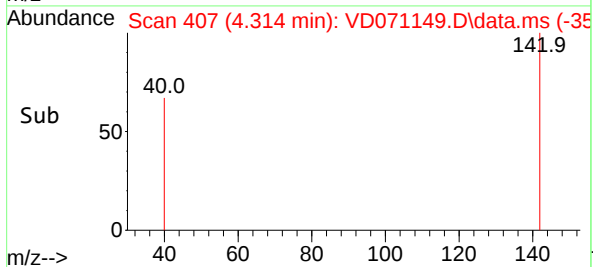
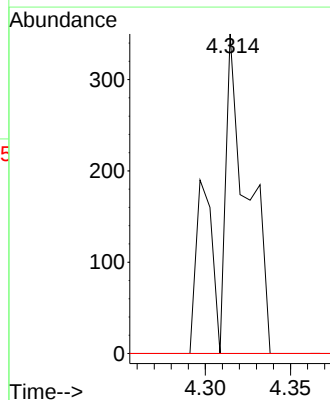
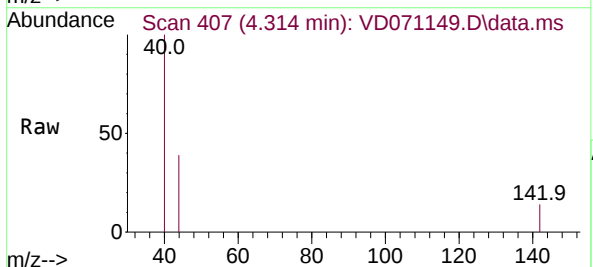
Instrument :
MSVOA_D
ClientSampleId :

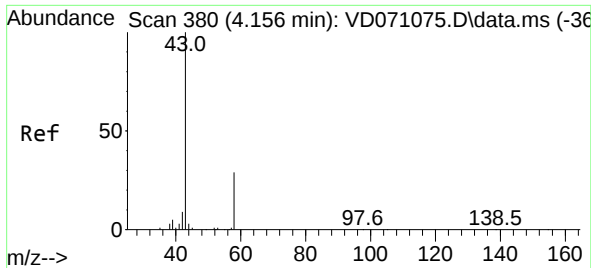
Tgt Ion:168 Resp: 299329
Ion Ratio Lower Upper
168 100
99 61.6 46.6 69.8



#10
Methyl Iodide
Concen: 4.673 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.011 min
Lab File: VD071149.D
Acq: 04 Dec 2021 17:49

Tgt Ion:142 Resp: 433
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

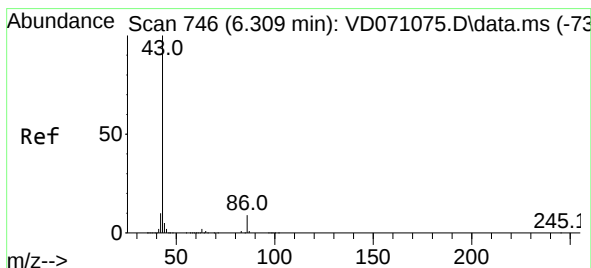
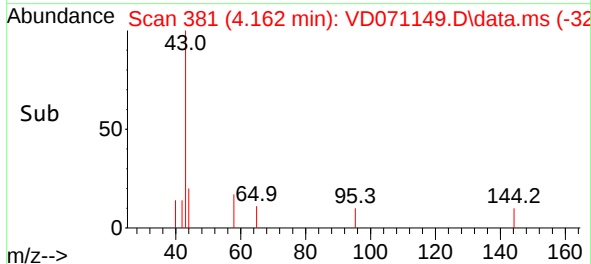
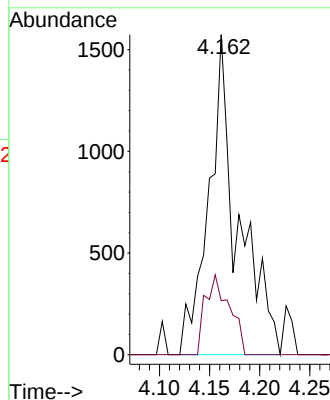
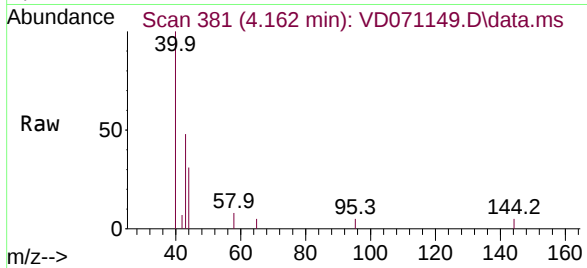




#16
Acetone
Concen: 33.800 ug/l
RT: 4.162 min Scan# 31
Delta R.T. 0.006 min
Lab File: VD071149.D
Acq: 04 Dec 2021 17:49

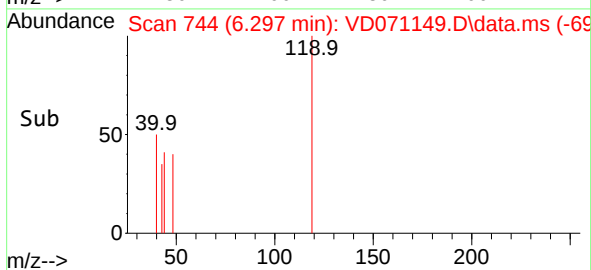
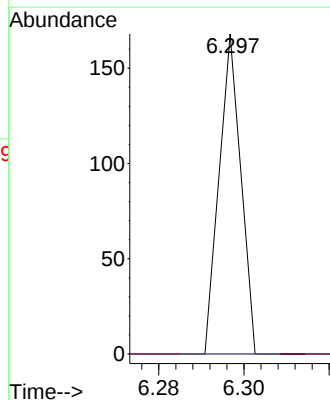
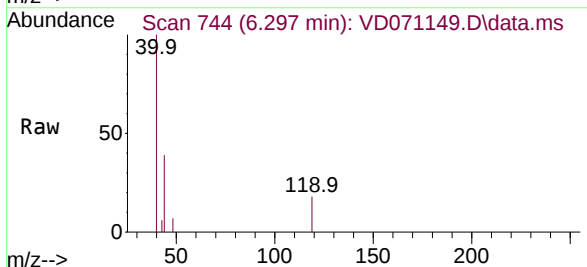
Instrument :
MSVOA_D
ClientSampleId :

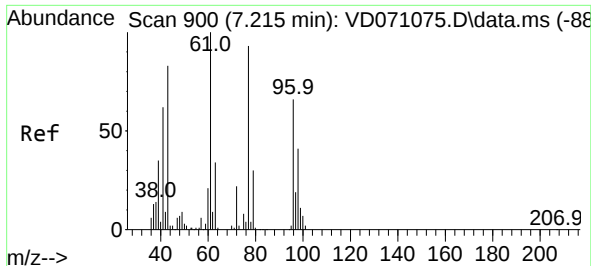
Tgt Ion: 43 Resp: 3195
Ion Ratio Lower Upper
43 100
58 16.9 27.8 41.8#



#23
Vinyl Acetate
Concen: 27.228 ug/l
RT: 6.297 min Scan# 744
Delta R.T. -0.012 min
Lab File: VD071149.D
Acq: 04 Dec 2021 17:49

Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#

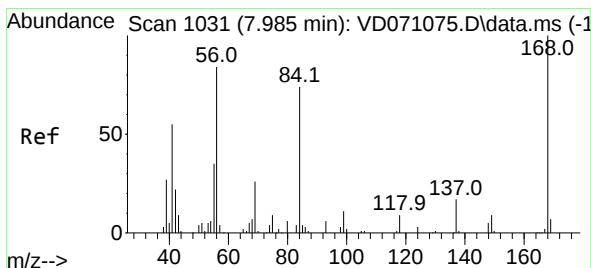
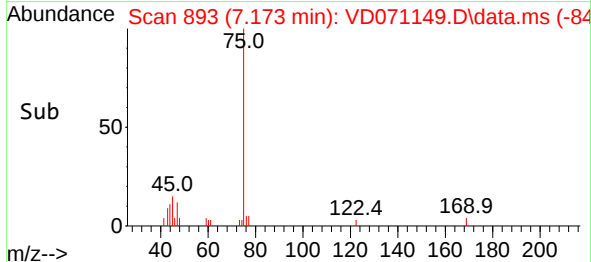
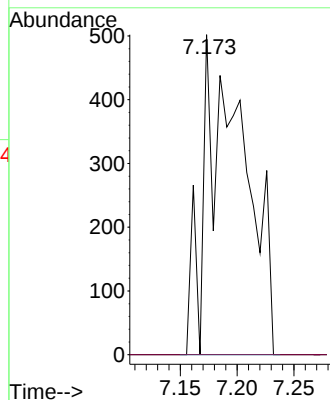
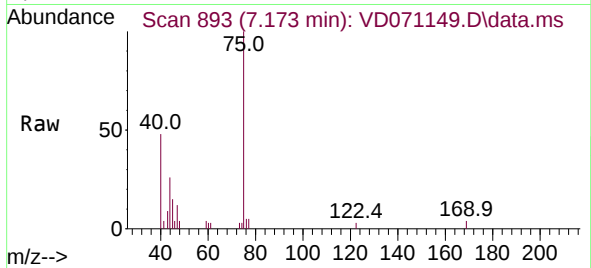




#25
2-Butanone
Concen: 29.376 ug/l
RT: 7.173 min Scan# 89
Delta R.T. -0.042 min
Lab File: VD071149.D
Acq: 04 Dec 2021 17:49

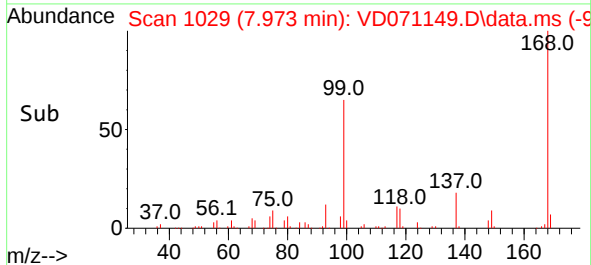
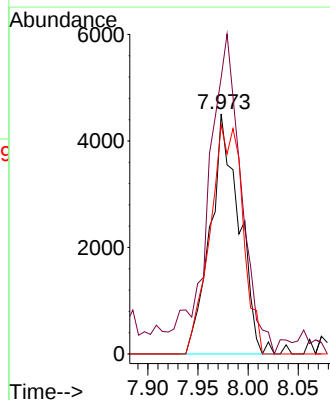
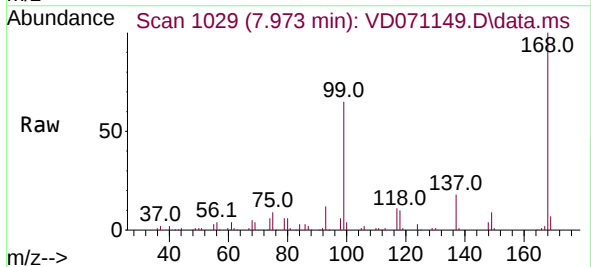
Instrument :
MSVOA_D
ClientSampleId :

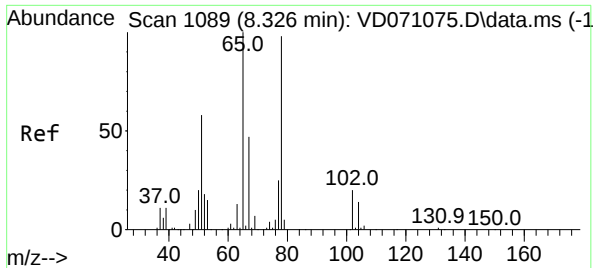
Tgt Ion: 43 Resp: 1235
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#31
Cyclohexane
Concen: 1.512 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071149.D
Acq: 04 Dec 2021 17:49

Tgt Ion: 56 Resp: 9032
Ion Ratio Lower Upper
56 100
69 109.3 25.9 38.9#
84 95.5 64.3 96.5





#33

1,2-Dichloroethane-d4

Concen: 44.826 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD071149.D

Acq: 04 Dec 2021 17:49

Instrument :

MSVOA_D

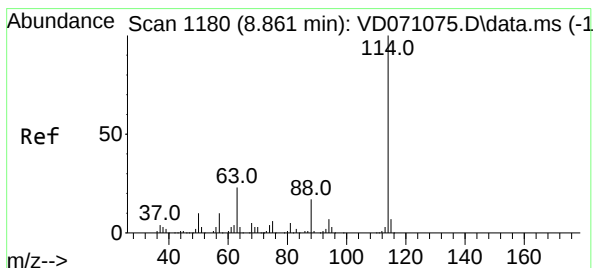
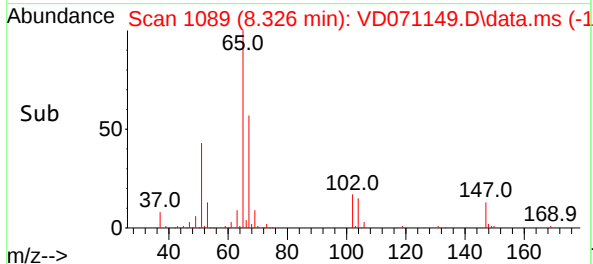
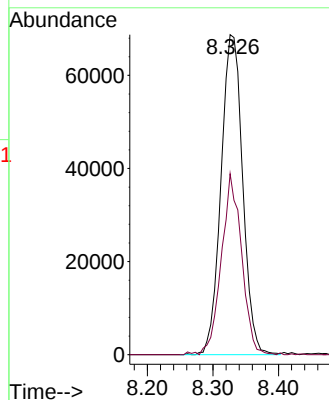
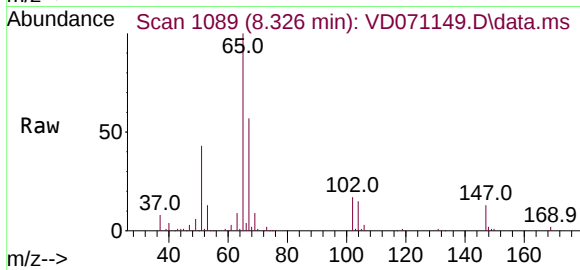
ClientSampleId :

Tgt Ion: 65 Resp: 157440

Ion Ratio Lower Upper

65 100

67 52.7 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: VD071149.D

Acq: 04 Dec 2021 17:49

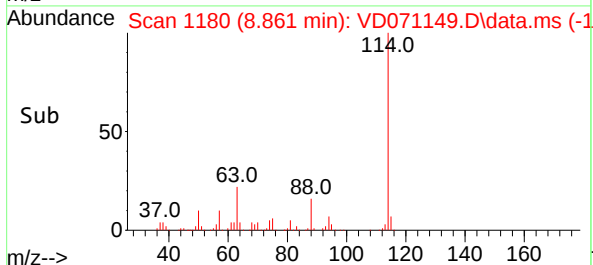
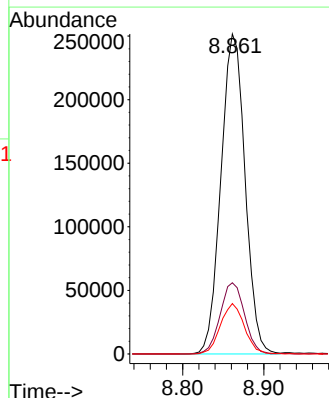
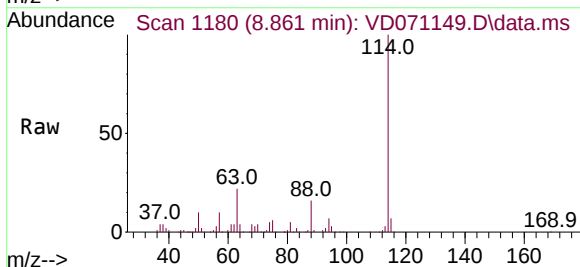
Tgt Ion: 114 Resp: 520521

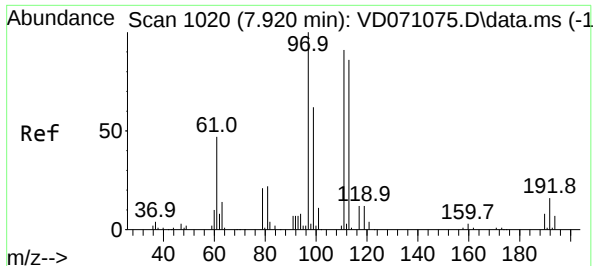
Ion Ratio Lower Upper

114 100

63 22.2 0.0 41.8

88 15.8 0.0 32.8





#35

Dibromofluoromethane

Concen: 48.096 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071149.D

Acq: 04 Dec 2021 17:49

Instrument :

MSVOA_D

ClientSampleId :

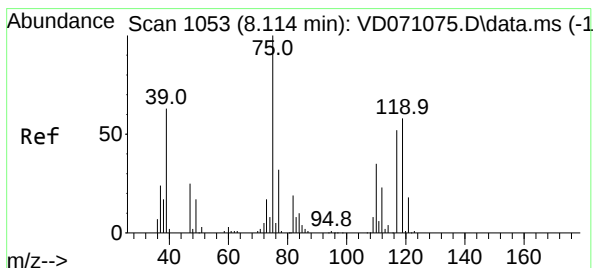
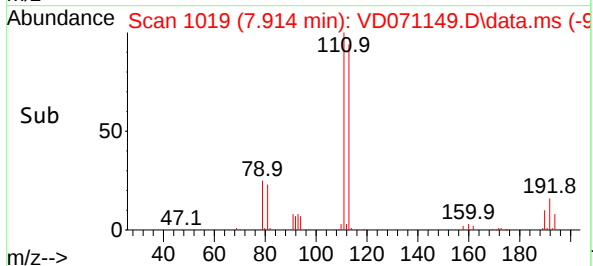
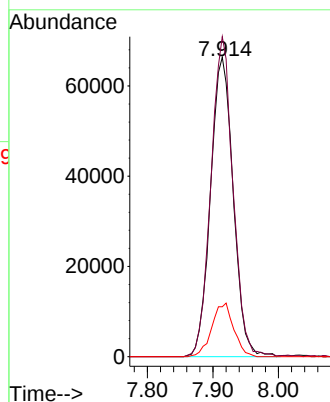
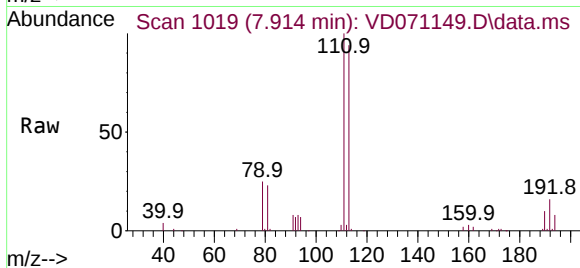
Tgt Ion:113 Resp: 159421

Ion Ratio Lower Upper

113 100

111 103.8 82.0 123.0

192 17.3 15.2 22.8



#36

1,1-Dichloropropene

Concen: 5.344 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.141 min

Lab File: VD071149.D

Acq: 04 Dec 2021 17:49

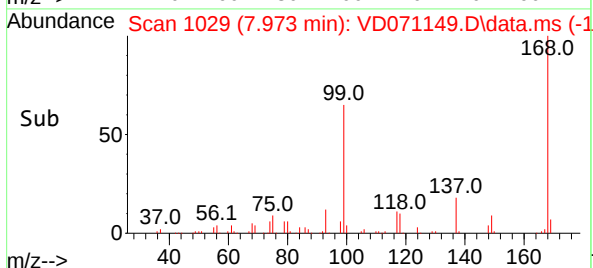
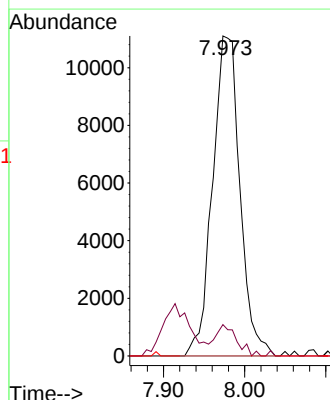
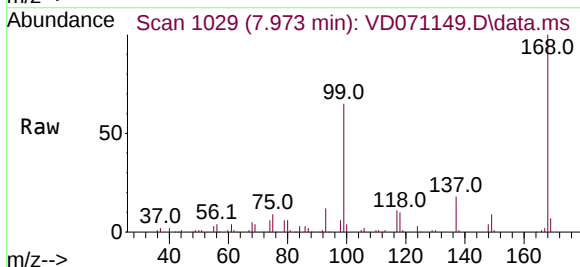
Tgt Ion: 75 Resp: 25996

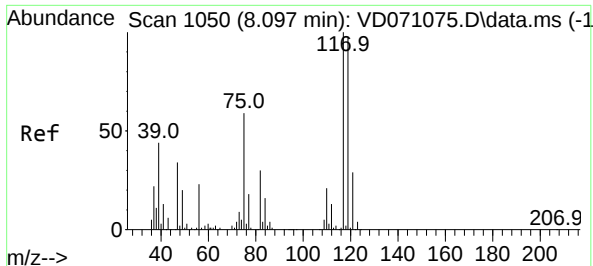
Ion Ratio Lower Upper

75 100

110 7.6 17.8 53.4#

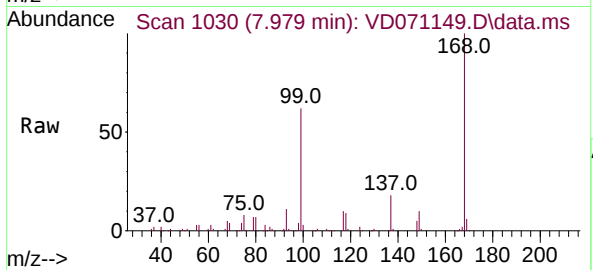
77 0.0 24.8 37.2#



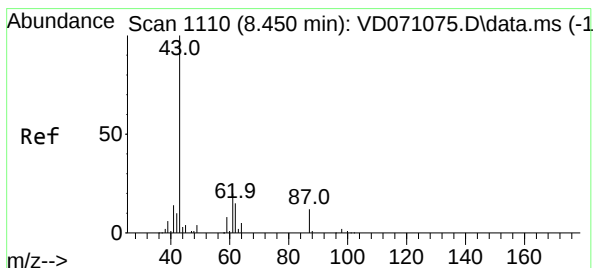
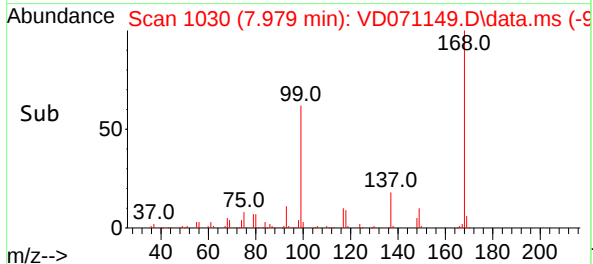
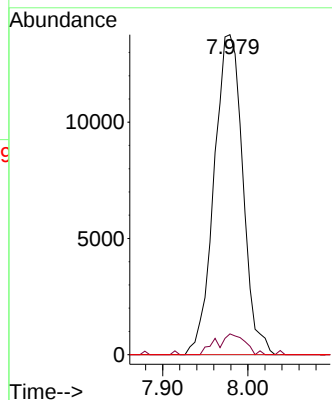


#38
Carbon Tetrachloride
Concen: 6.716 ug/l
RT: 7.979 min Scan# 1105
Delta R.T. -0.118 min
Lab File: VD071149.D
Acq: 04 Dec 2021 17:49

Instrument :
MSVOA_D
ClientSampleId :

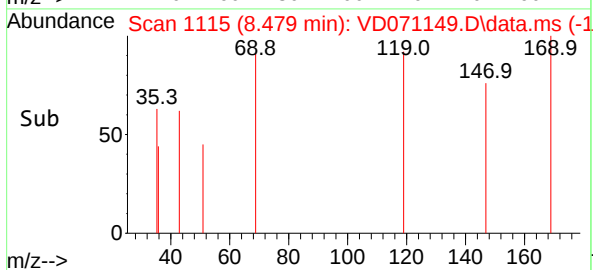
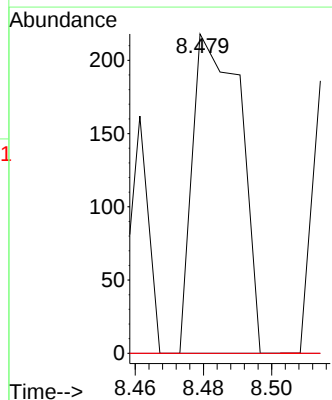
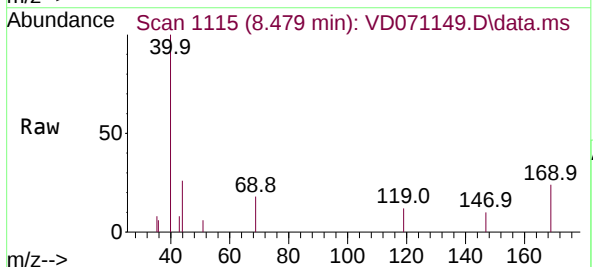


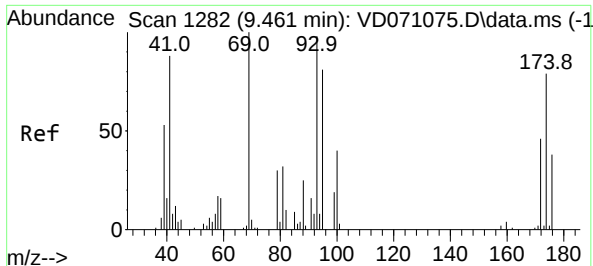
Tgt Ion:117 Resp: 32207
Ion Ratio Lower Upper
117 100
119 6.5 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.264 ug/l
RT: 8.479 min Scan# 1115
Delta R.T. 0.029 min
Lab File: VD071149.D
Acq: 04 Dec 2021 17:49

Tgt Ion: 43 Resp: 212
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: 6.493 ug/l

RT: 9.350 min Scan# 1263

Delta R.T. -0.111 min

Lab File: VD071149.D

Acq: 04 Dec 2021 17:49

Instrument :

MSVOA_D

ClientSampleId :

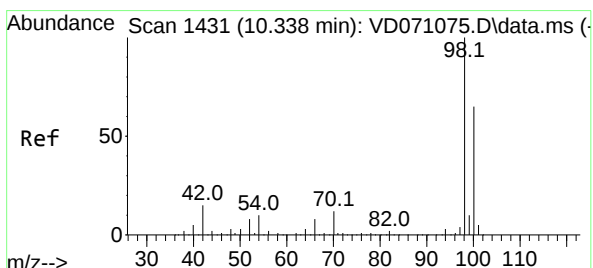
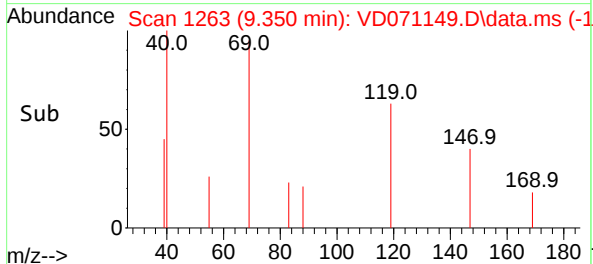
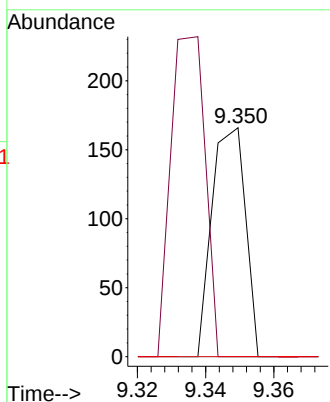
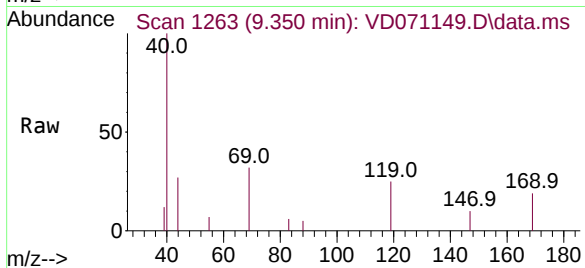
Tgt Ion: 88 Resp: 113

Ion Ratio Lower Upper

88 100

43 144.2 28.9 43.3#

58 0.0 56.3 84.5#



#50

Toluene-d8

Concen: 52.606 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. -0.000 min

Lab File: VD071149.D

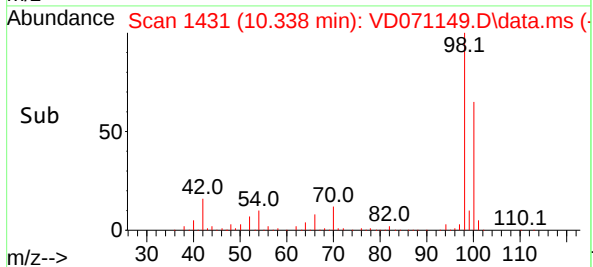
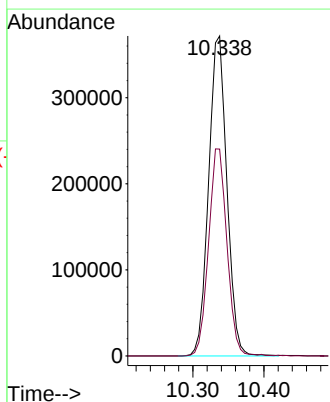
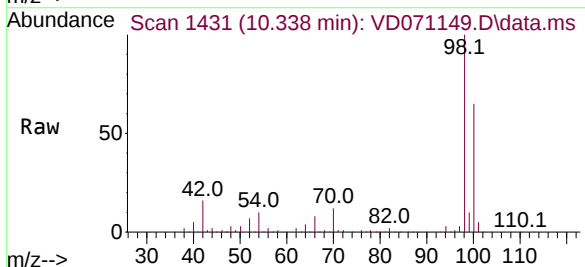
Acq: 04 Dec 2021 17:49

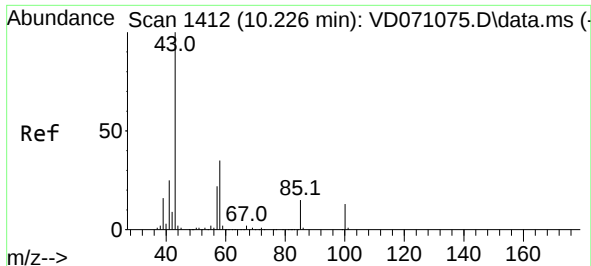
Tgt Ion: 98 Resp: 663559

Ion Ratio Lower Upper

98 100

100 65.2 51.8 77.6

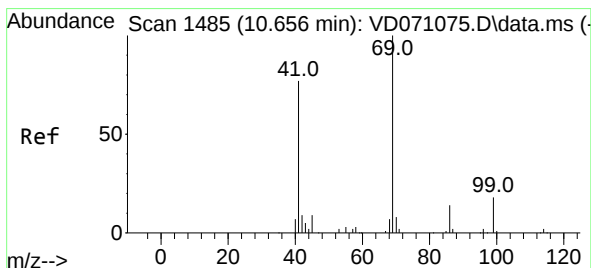
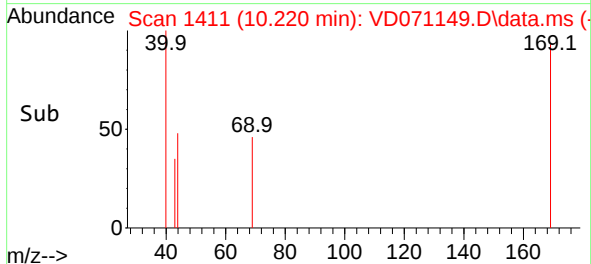
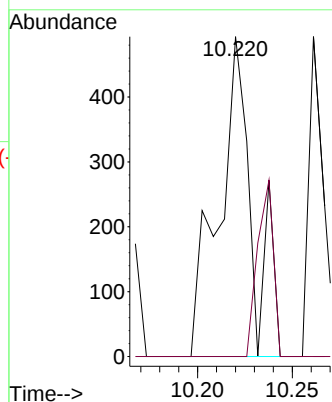
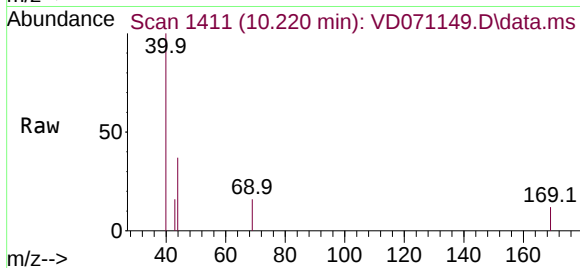




#51
4-Methyl-2-Pentanone
Concen: 30.876 ug/l
RT: 10.220 min Scan# 1412
Delta R.T. -0.006 min
Lab File: VD071149.D
Acq: 04 Dec 2021 17:49

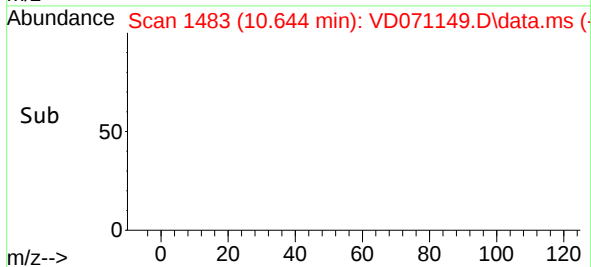
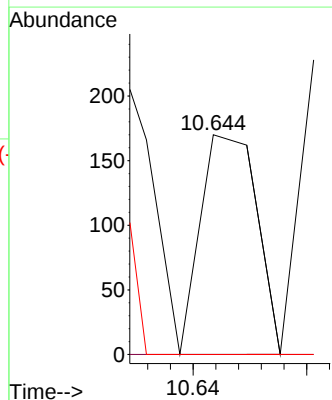
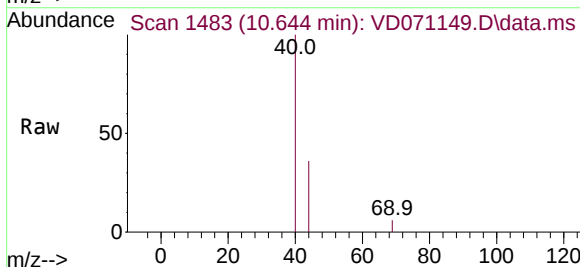
Instrument :
MSVOA_D
ClientSampleId :

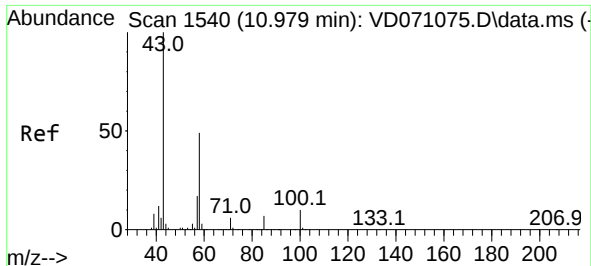
Tgt Ion: 43 Resp: 606
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



#56
Ethyl methacrylate
Concen: 6.001 ug/l
RT: 10.644 min Scan# 1483
Delta R.T. -0.012 min
Lab File: VD071149.D
Acq: 04 Dec 2021 17:49

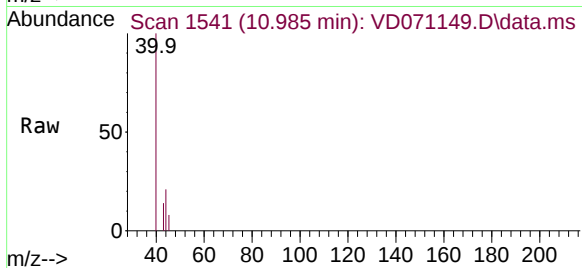
Tgt Ion: 69 Resp: 117
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 0.0 19.8 29.8#



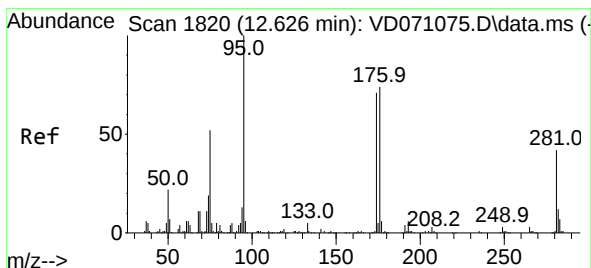
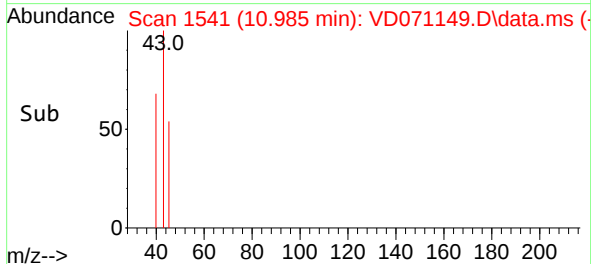
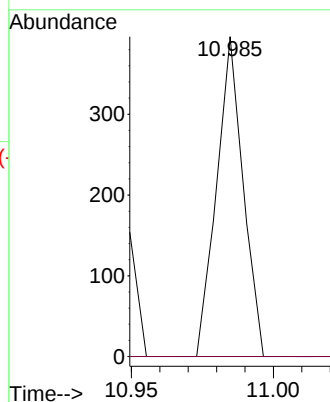


#59
2-Hexanone
Concen: 34.698 ug/l
RT: 10.985 min Scan# 1541
Delta R.T. 0.006 min
Lab File: VD071149.D
Acq: 04 Dec 2021 17:49

Instrument :
MSVOA_D
ClientSampleId :

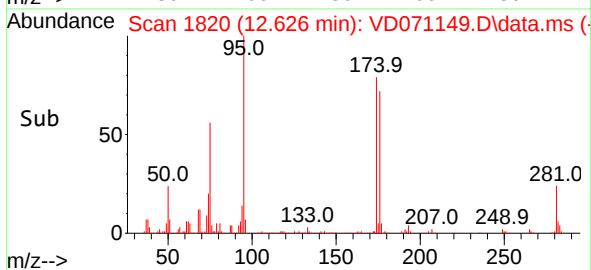
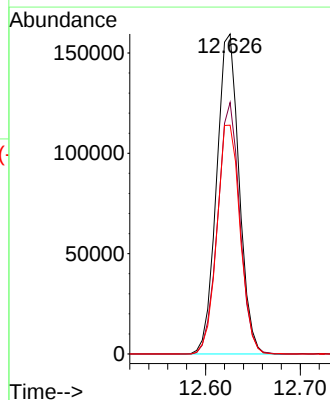
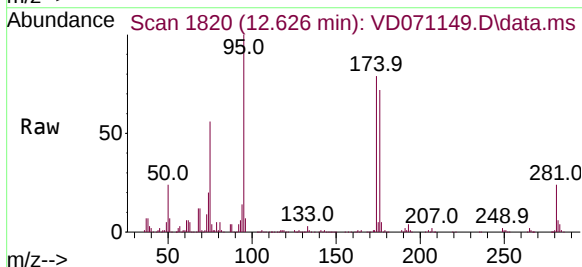


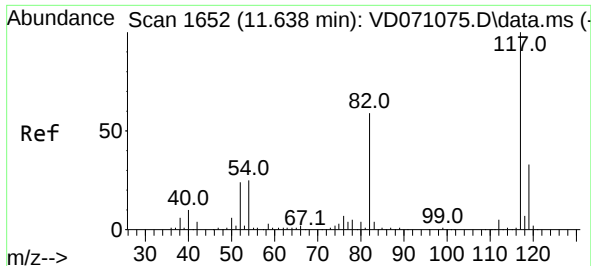
Tgt Ion: 43 Resp: 257
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 60.311 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071149.D
Acq: 04 Dec 2021 17:49

Tgt Ion: 95 Resp: 263705
Ion Ratio Lower Upper
95 100
174 76.9 0.0 159.4
176 73.7 0.0 154.0

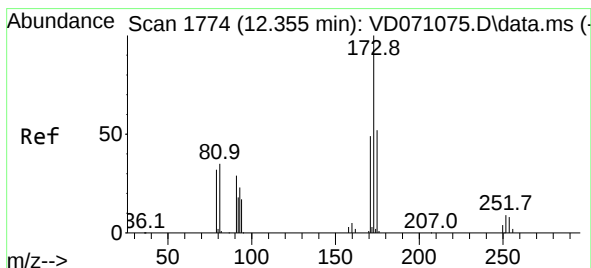
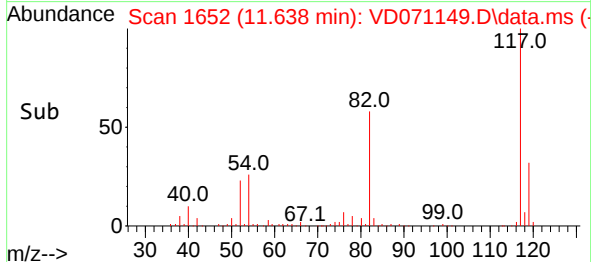
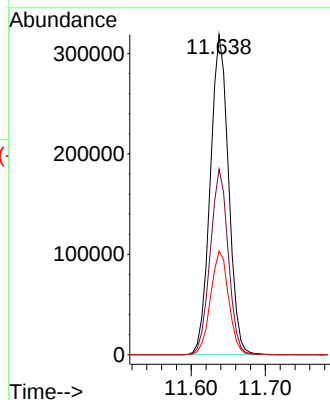
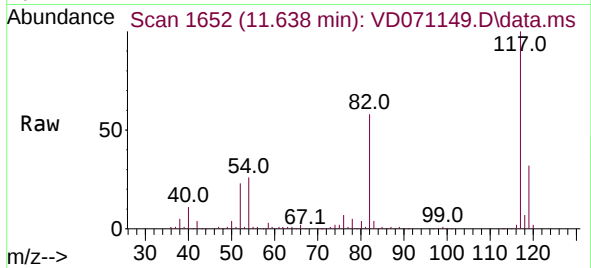




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD071149.D
Acq: 04 Dec 2021 17:49

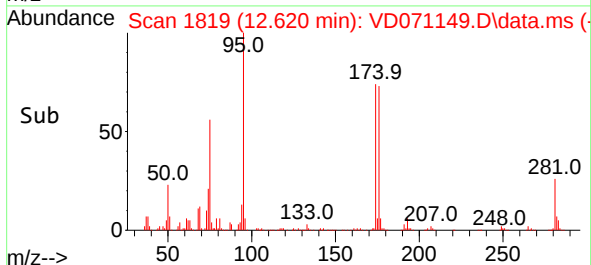
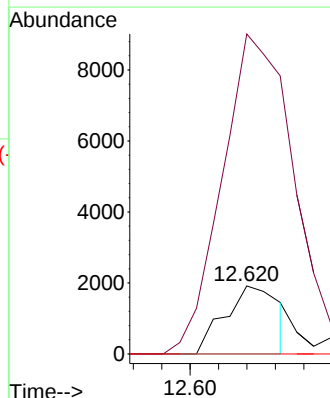
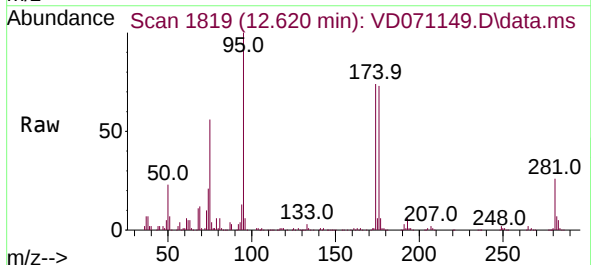
Instrument :
MSVOA_D
ClientSampleId :

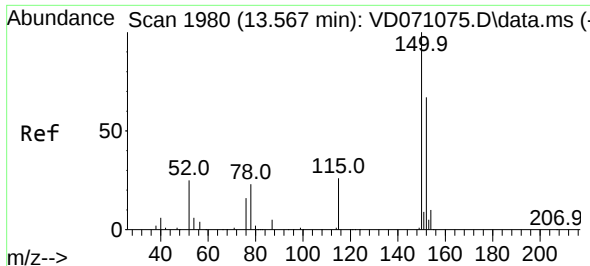
Tgt Ion:117 Resp: 545821
Ion Ratio Lower Upper
117 100
82 57.9 44.7 67.1
119 32.4 26.2 39.4



#71
Bromoform
Concen: 1.322 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD071149.D
Acq: 04 Dec 2021 17:49

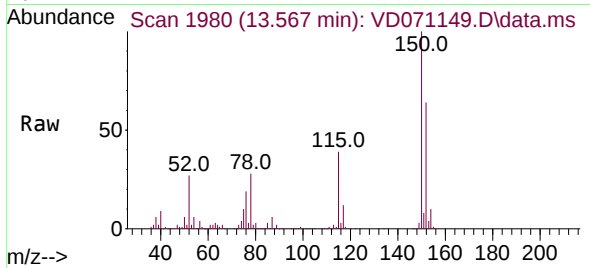
Tgt Ion:173 Resp: 2532
Ion Ratio Lower Upper
173 100
175 511.8 24.1 72.2#
254 0.0 0.1 0.1#



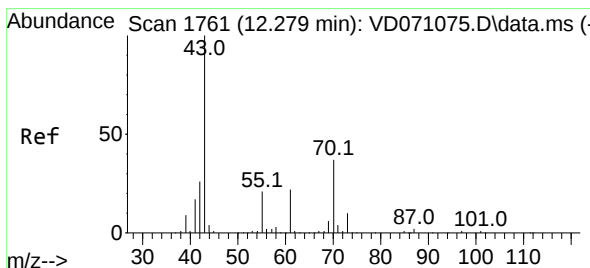
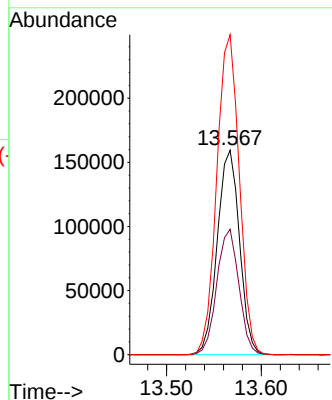
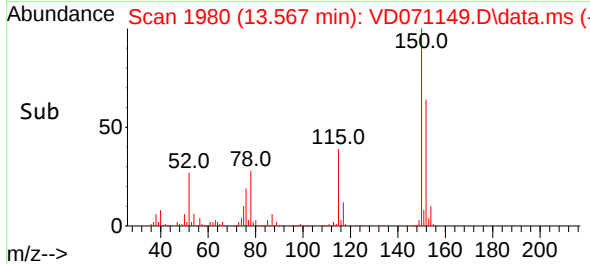


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071149.D
Acq: 04 Dec 2021 17:49

Instrument :
MSVOA_D
ClientSampleId :

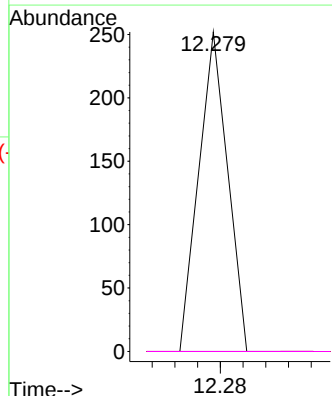
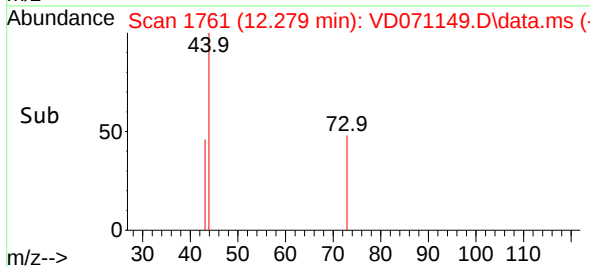
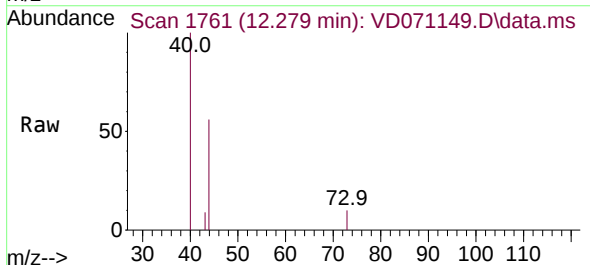


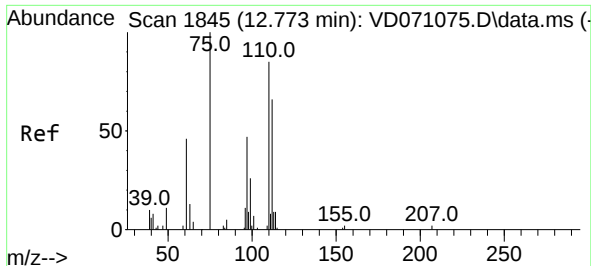
Tgt Ion:152 Resp: 260218
Ion Ratio Lower Upper
152 100
115 60.9 29.8 89.3
150 158.1 0.0 349.2



#74
N-ethyl acetate
Concen: 5.716 ug/l
RT: 12.279 min Scan# 1761
Delta R.T. -0.000 min
Lab File: VD071149.D
Acq: 04 Dec 2021 17:49

Tgt Ion: 43 Resp: 89
Ion Ratio Lower Upper
43 100
70 0.0 36.6 55.0#
55 0.0 22.5 33.7#
61 0.0 20.5 30.7#

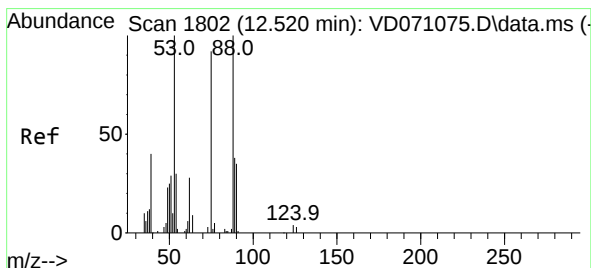
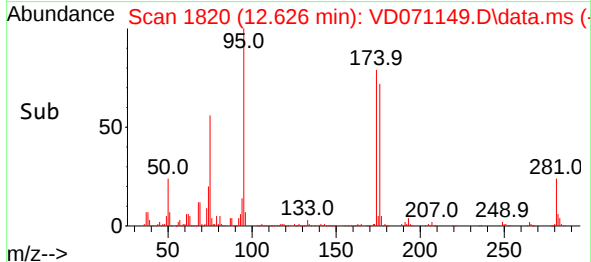
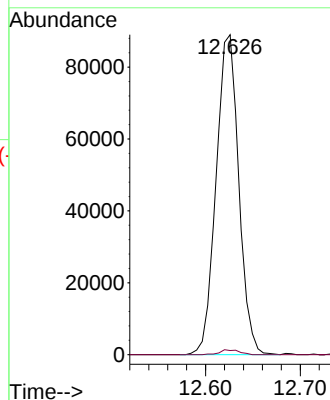
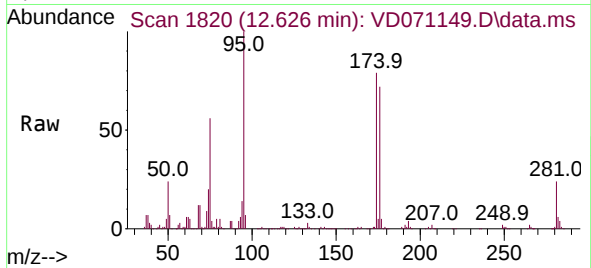




#76
1,2,3-Trichloropropane
Concen: 59.678 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071149.D
Acq: 04 Dec 2021 17:49

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 147956
Ion Ratio Lower Upper
75 100
77 1.3 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 129.238 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071149.D
Acq: 04 Dec 2021 17:49

Tgt Ion: 75 Resp: 147956
Ion Ratio Lower Upper
75 100
53 0.2 62.6 94.0#
89 0.2 34.5 51.7#

