

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122021\
 Data File : VD071390.D
 Acq On : 20 Dec 2021 14:15
 Operator : VA/SY
 Sample : VD1220SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 20 20:52:39 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)

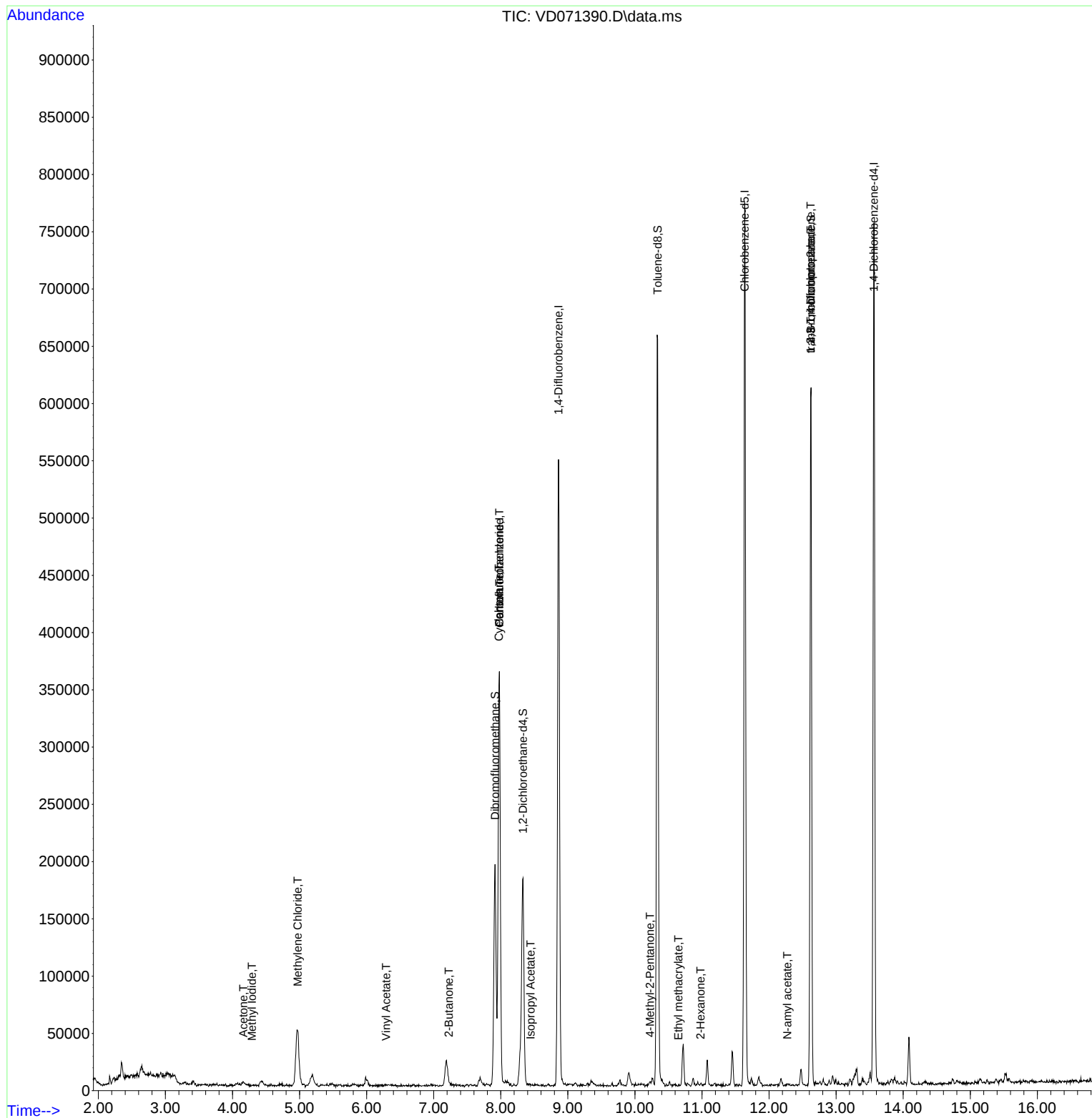
Internal Standards						
1) Pentafluorobenzene	7.979	168	245809	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	442271	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	405347	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	184184	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	145237	50.355	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.700%			
35) Dibromofluoromethane	7.914	113	131549	46.709	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.420%			
50) Toluene-d8	10.338	98	422271	39.400	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 78.800%			
62) 4-Bromofluorobenzene	12.626	95	154639	41.624	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 83.240%			
Target Compounds						Qvalue
10) Methyl Iodide	4.291	142	449	4.703	ug/l #	61
11) Tert butyl alcohol	5.197	59	8880	Below Cal	#	73
16) Acetone	4.162	43	5857	37.501	ug/l #	60
20) Methylene Chloride	4.973	84	35759	8.849	ug/l	94
23) Vinyl Acetate	6.291	43	292	27.274	ug/l #	72
25) 2-Butanone	7.226	43	739	29.100	ug/l #	45
31) Cyclohexane	7.973	56	7967	1.624	ug/l #	62
38) Carbon Tetrachloride	7.979	117	27153	6.664	ug/l #	17
41) Methacrylonitrile	7.538	41	79	Below Cal	#	12
43) Isopropyl Acetate	8.444	43	136	5.254	ug/l #	47
51) 4-Methyl-2-Pentanone	10.226	43	2508	31.745	ug/l	95
56) Ethyl methacrylate	10.649	69	241	6.044	ug/l #	1
59) 2-Hexanone	10.979	43	828	35.044	ug/l	71
74) N-amyl acetate	12.273	43	887	5.916	ug/l #	47
76) 1,2,3-Trichloropropane	12.620	75	89590	51.054	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	89590	111.395	ug/l #	19

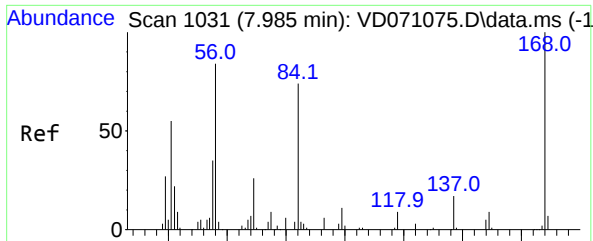
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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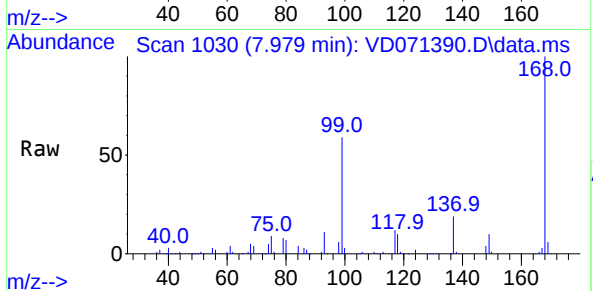
Quant Time: Dec 20 20:52:39 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
Response via : Initial Calibration



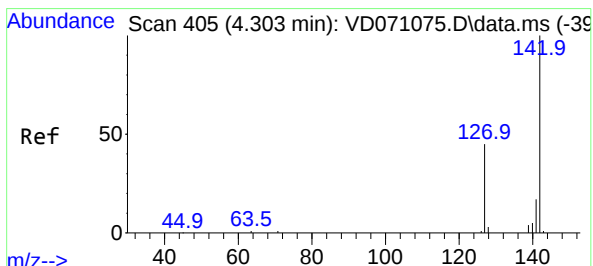
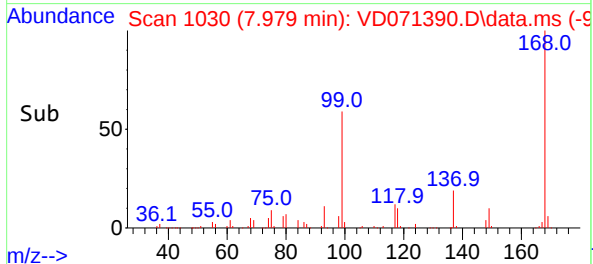
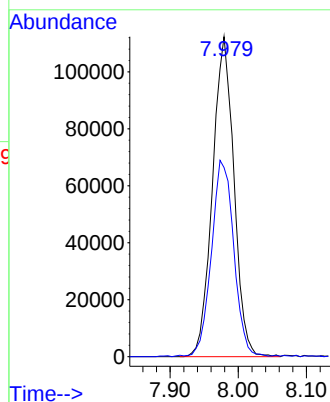


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071390.D
Acq: 20 Dec 2021 14:15

Instrument :
MSVOA_D
ClientSampleId :

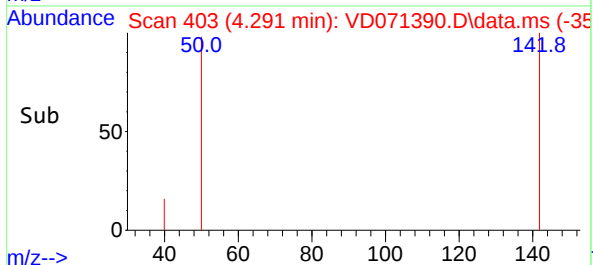
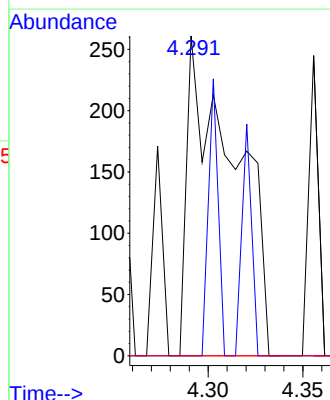
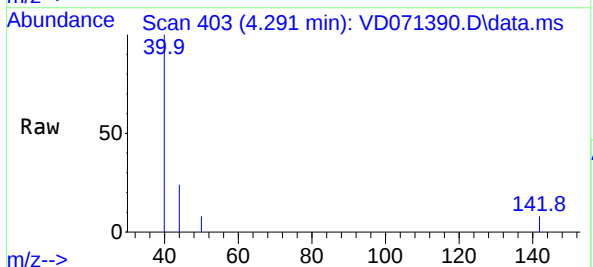


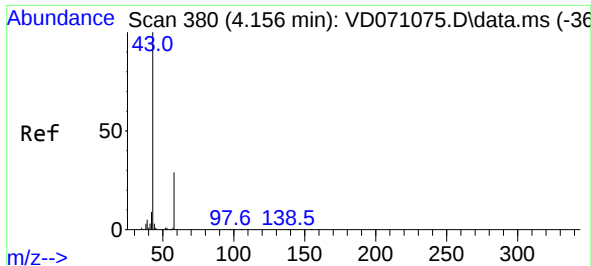
Tgt Ion:168 Resp: 245809
Ion Ratio Lower Upper
168 100
99 58.9 46.6 69.8



#10
Methyl Iodide
Concen: 4.703 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD071390.D
Acq: 20 Dec 2021 14:15

Tgt Ion:142 Resp: 449
Ion Ratio Lower Upper
142 100
127 17.8 35.0 52.4#
141 0.0 12.0 18.0#

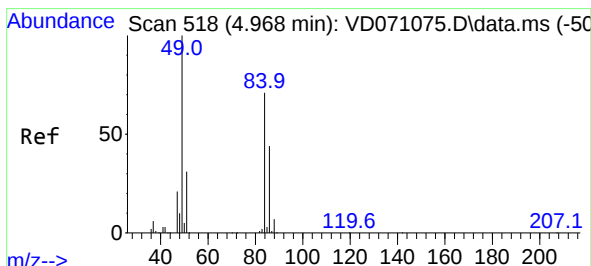
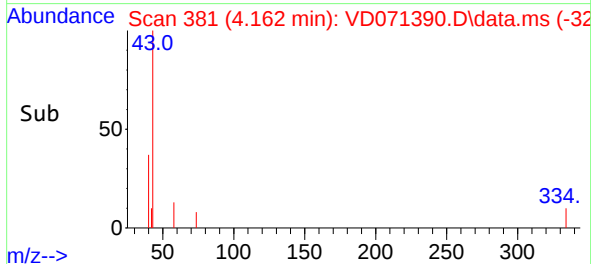
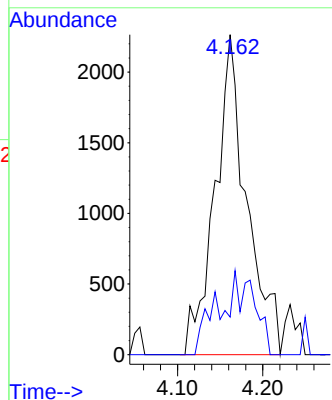
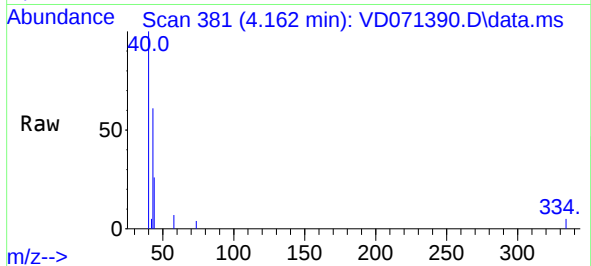




#16
Acetone
Concen: 37.501 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD071390.D
Acq: 20 Dec 2021 14:15

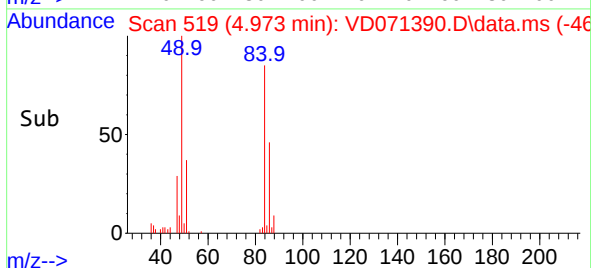
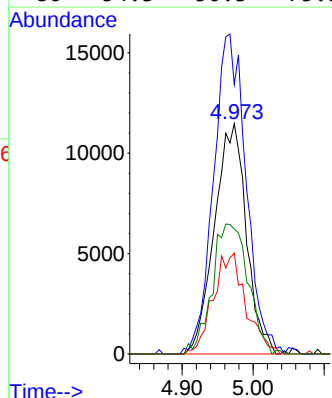
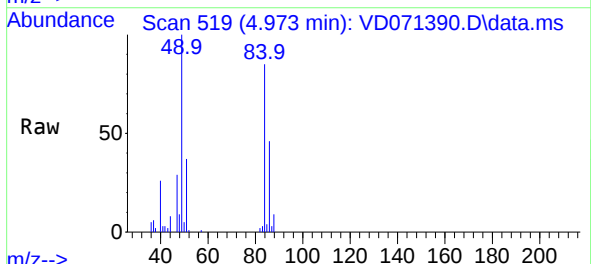
Instrument :
MSVOA_D
ClientSampleId :

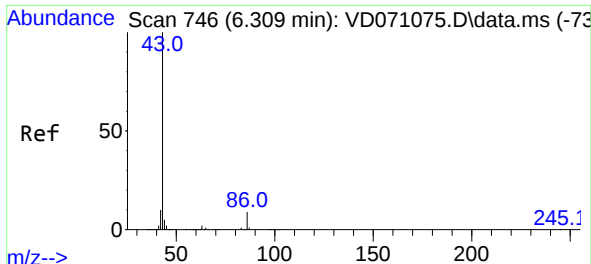
Tgt Ion: 43 Resp: 5857
Ion Ratio Lower Upper
43 100
58 11.7 27.8 41.8#



#20
Methylene Chloride
Concen: 8.849 ug/l
RT: 4.973 min Scan# 519
Delta R.T. 0.005 min
Lab File: VD071390.D
Acq: 20 Dec 2021 14:15

Tgt Ion: 84 Resp: 35759
Ion Ratio Lower Upper
84 100
49 117.1 95.8 143.6
51 43.8 30.9 46.3
86 54.3 50.3 75.5

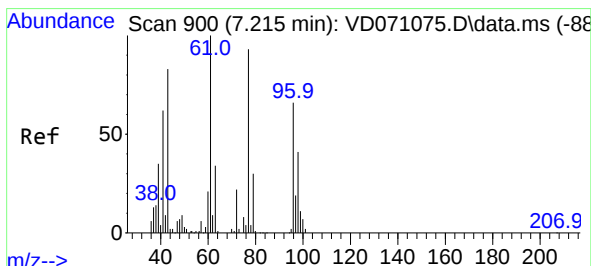
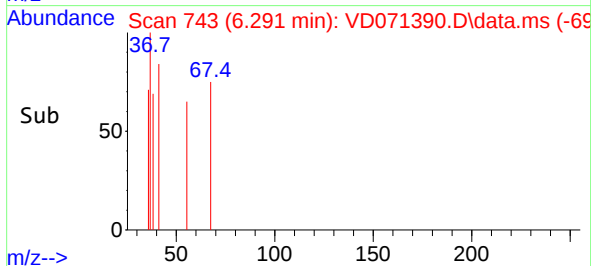
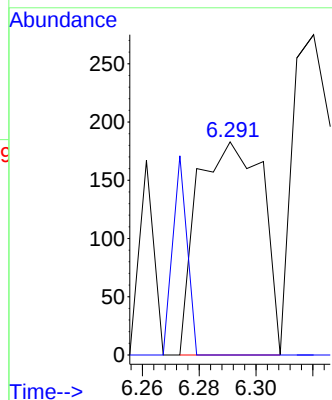
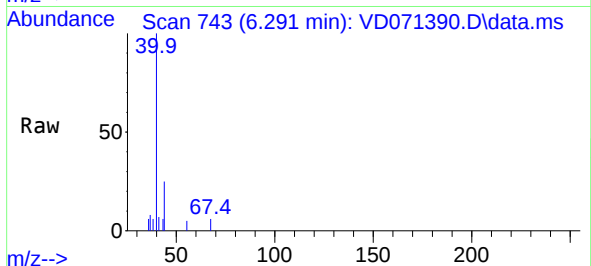




#23
 Vinyl Acetate
 Concen: 27.274 ug/l
 RT: 6.291 min Scan# 746
 Delta R.T. -0.018 min
 Lab File: VD071390.D
 Acq: 20 Dec 2021 14:15

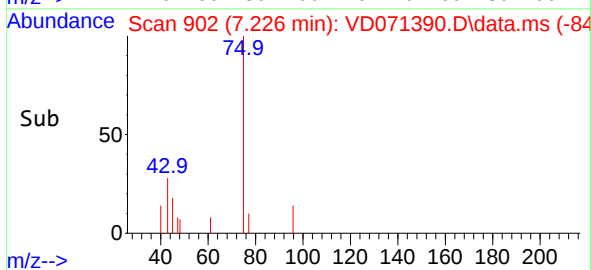
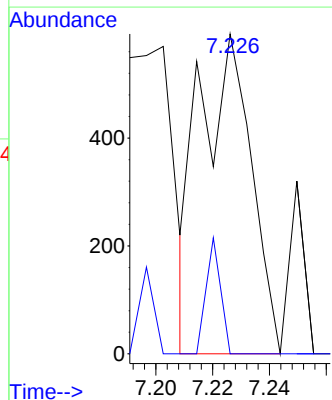
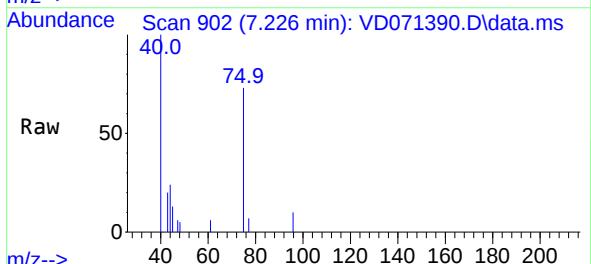
Instrument :
 MSVOA_D
 ClientSampleId :

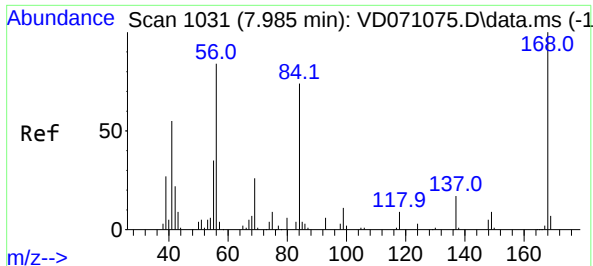
Tgt Ion: 43 Resp: 292
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 29.100 ug/l
 RT: 7.226 min Scan# 902
 Delta R.T. 0.011 min
 Lab File: VD071390.D
 Acq: 20 Dec 2021 14:15

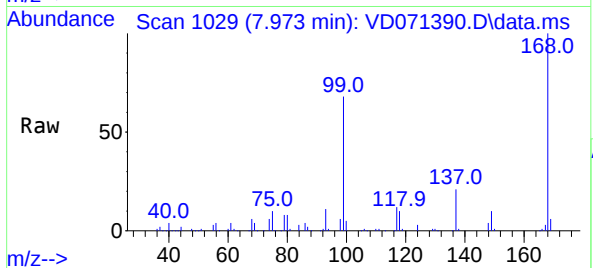
Tgt Ion: 43 Resp: 739
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#



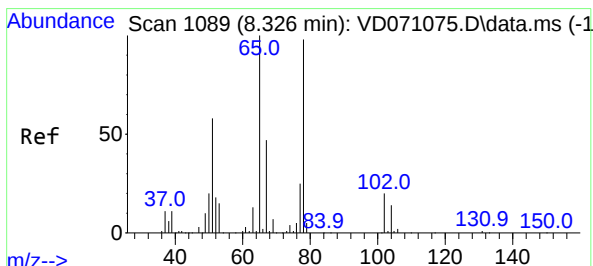
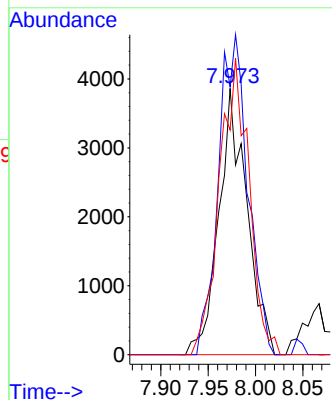
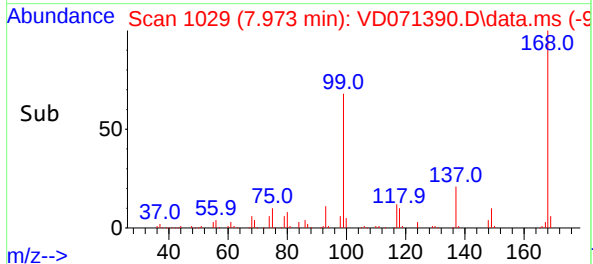


#31
Cyclohexane
Concen: 1.624 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071390.D
Acq: 20 Dec 2021 14:15

Instrument :
MSVOA_D
ClientSampleId :

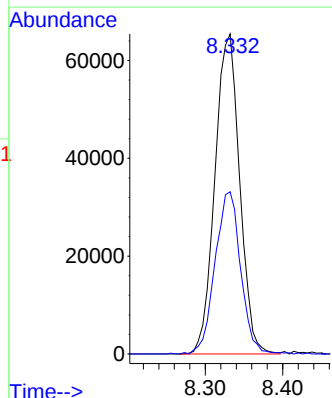
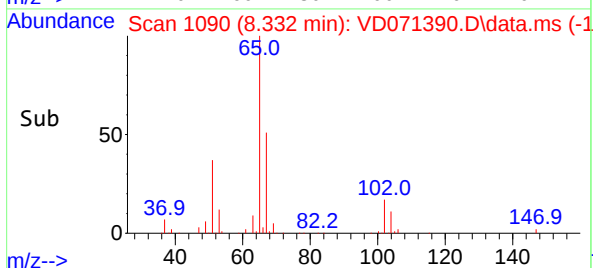
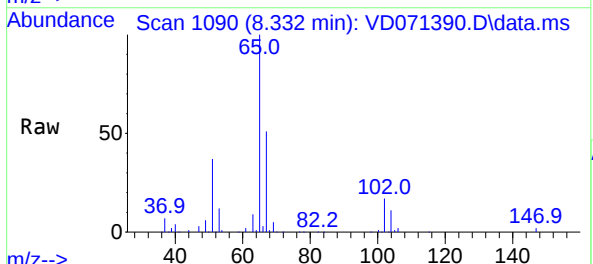


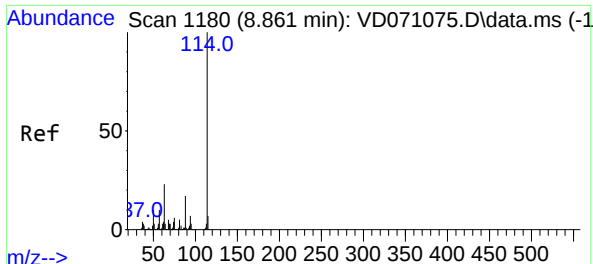
Tgt Ion: 56 Resp: 7967
Ion Ratio Lower Upper
56 100
69 100.6 25.9 38.9#
84 84.3 64.3 96.5



#33
1,2-Dichloroethane-d4
Concen: 50.355 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD071390.D
Acq: 20 Dec 2021 14:15

Tgt Ion: 65 Resp: 145237
Ion Ratio Lower Upper
65 100
67 52.4 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: VD071390.D

Acq: 20 Dec 2021 14:15

Instrument :

MSVOA_D

ClientSampleId :

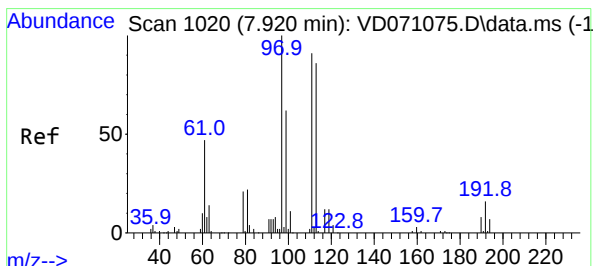
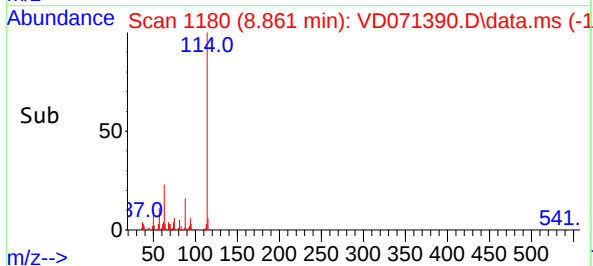
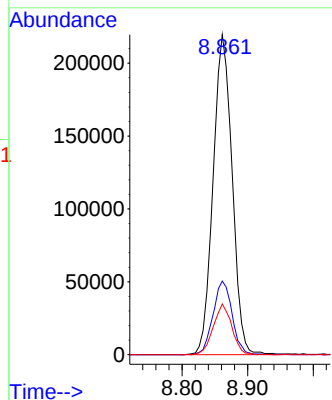
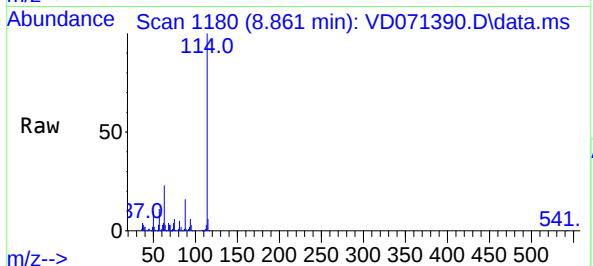
Tgt Ion:114 Resp: 442271

Ion Ratio Lower Upper

114 100

63 23.0 0.0 41.8

88 15.9 0.0 32.8



#35

Dibromofluoromethane

Concen: 46.709 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071390.D

Acq: 20 Dec 2021 14:15

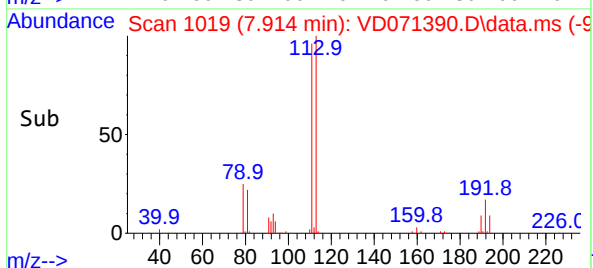
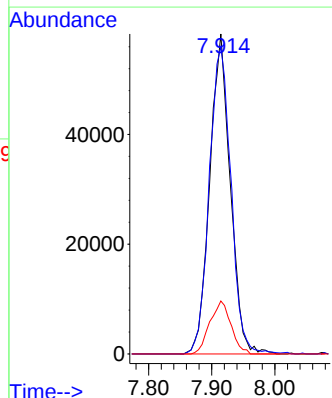
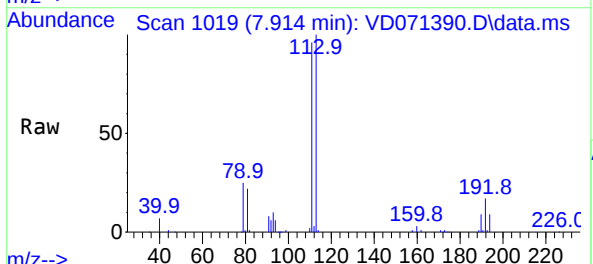
Tgt Ion:113 Resp: 131549

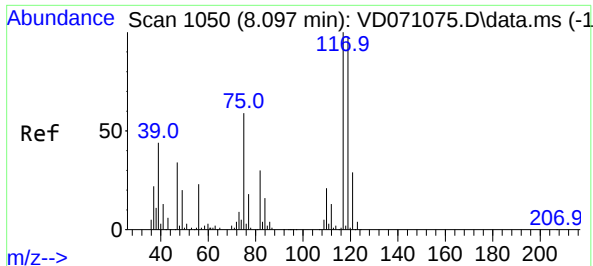
Ion Ratio Lower Upper

113 100

111 101.6 82.0 123.0

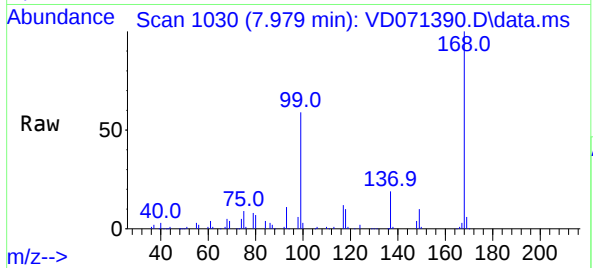
192 17.1 15.2 22.8



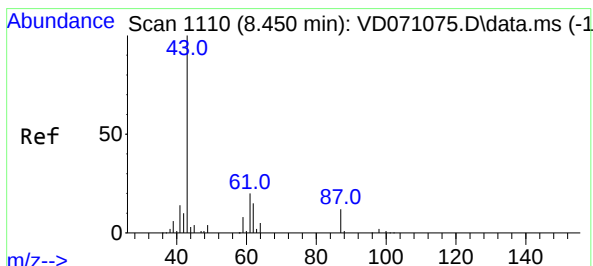
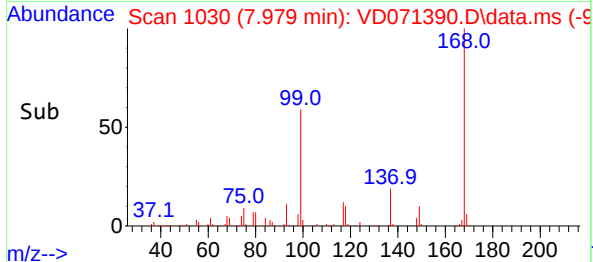
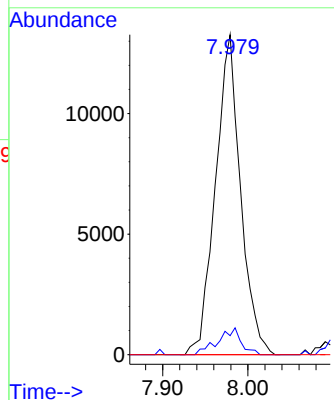


#38
Carbon Tetrachloride
Concen: 6.664 ug/l
RT: 7.979 min Scan# 1109
Delta R.T. -0.118 min
Lab File: VD071390.D
Acq: 20 Dec 2021 14:15

Instrument :
MSVOA_D
ClientSampleId :

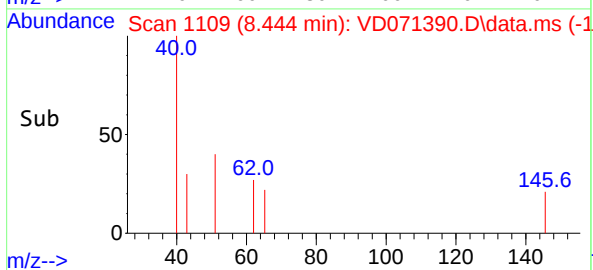
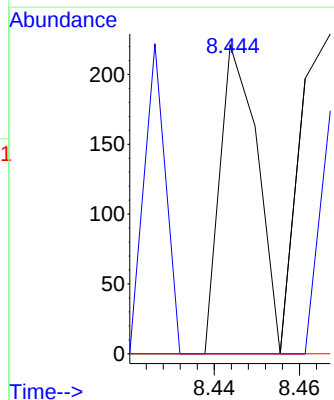
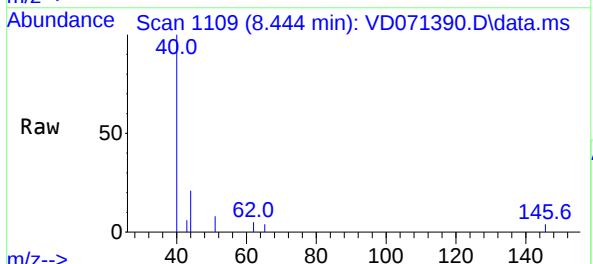


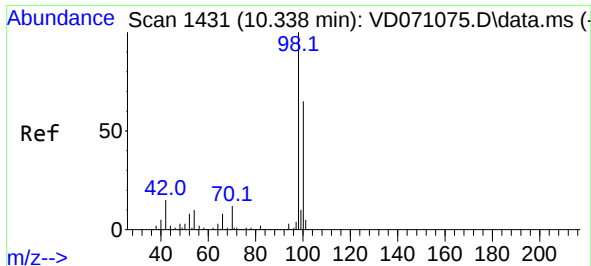
Tgt Ion:117 Resp: 27153
Ion Ratio Lower Upper
117 100
119 6.0 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.254 ug/l
RT: 8.444 min Scan# 1109
Delta R.T. -0.006 min
Lab File: VD071390.D
Acq: 20 Dec 2021 14:15

Tgt Ion: 43 Resp: 136
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#

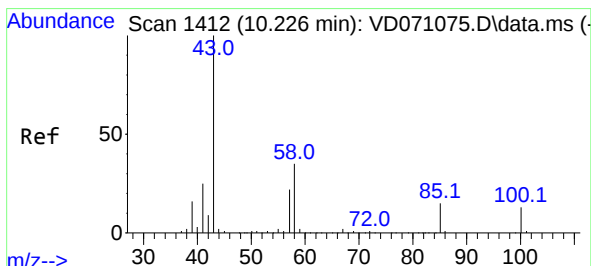
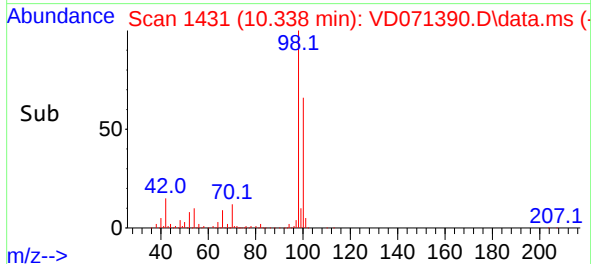
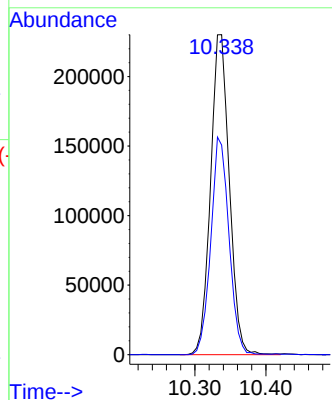
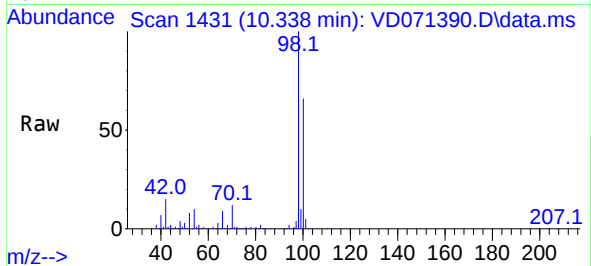




#50
Toluene-d8
Concen: 39.400 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071390.D
Acq: 20 Dec 2021 14:15

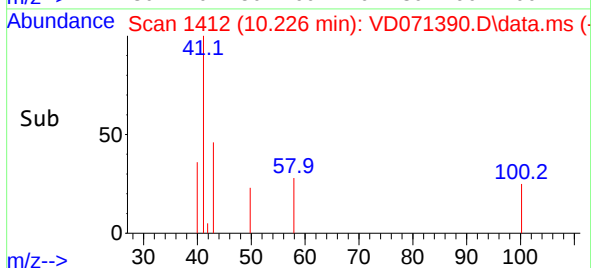
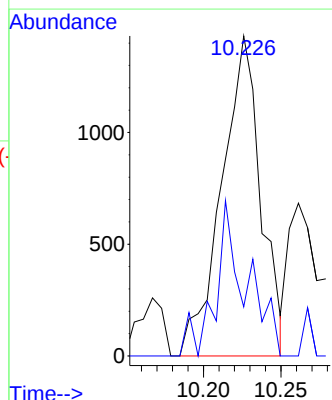
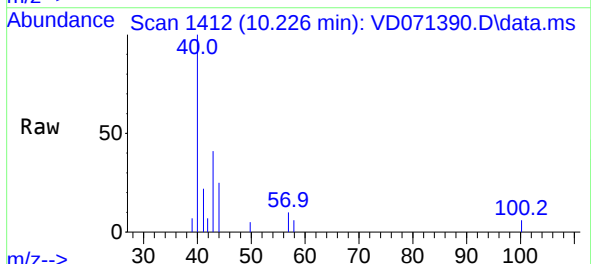
Instrument :
MSVOA_D
ClientSampleId :

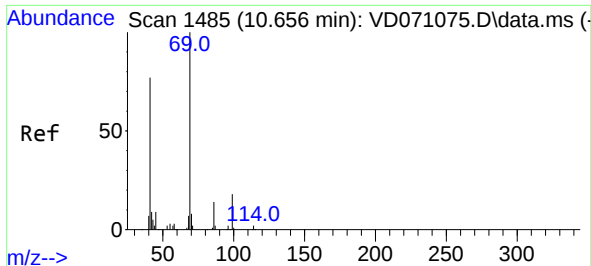
Tgt Ion: 98 Resp: 422271
Ion Ratio Lower Upper
98 100
100 65.6 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 31.745 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.000 min
Lab File: VD071390.D
Acq: 20 Dec 2021 14:15

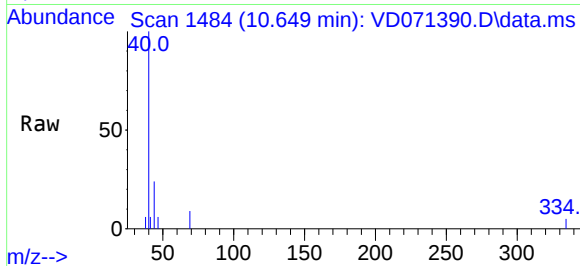
Tgt Ion: 43 Resp: 2508
Ion Ratio Lower Upper
43 100
58 38.4 33.1 49.7



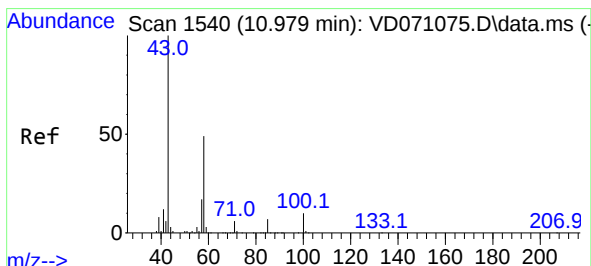
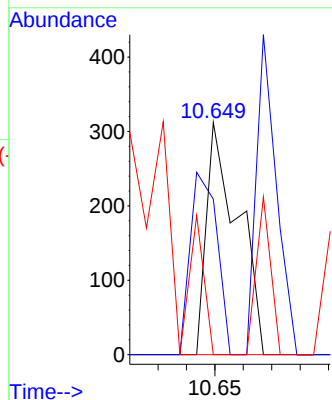
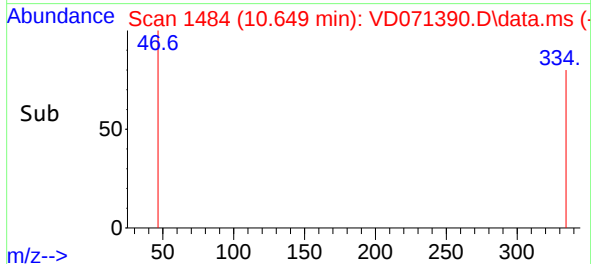


#56
Ethyl methacrylate
Concen: 6.044 ug/l
RT: 10.649 min Scan# 1484
Delta R.T. -0.007 min
Lab File: VD071390.D
Acq: 20 Dec 2021 14:15

Instrument :
MSVOA_D
ClientSampleId :

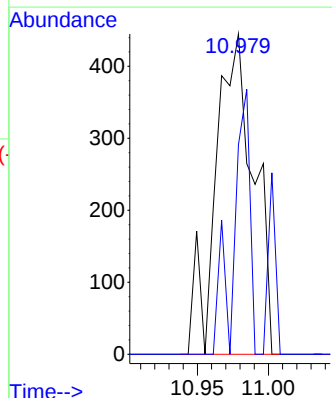
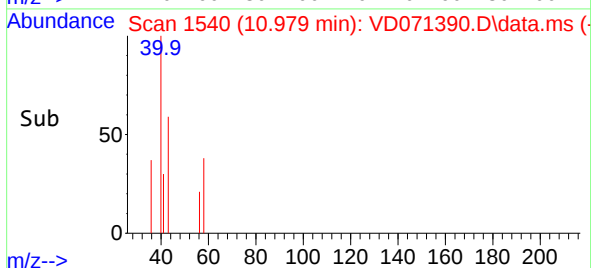
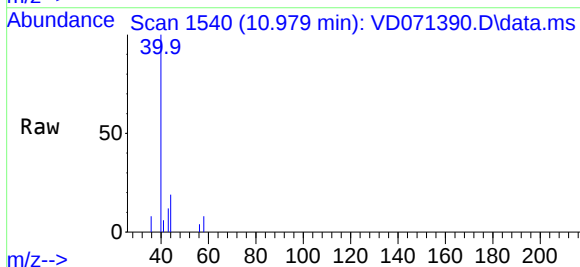


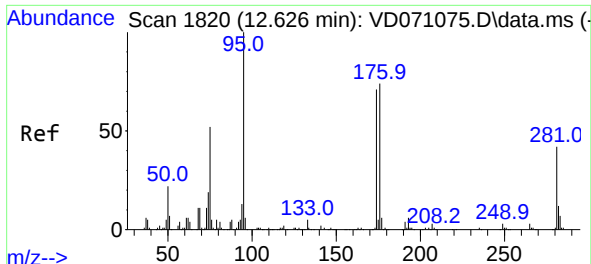
Tgt Ion: 69 Resp: 241
Ion Ratio Lower Upper
69 100
41 66.4 50.2 75.2
39 241.5 19.8 29.8#



#59
2-Hexanone
Concen: 35.044 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VD071390.D
Acq: 20 Dec 2021 14:15

Tgt Ion: 43 Resp: 828
Ion Ratio Lower Upper
43 100
58 36.0 28.7 86.1

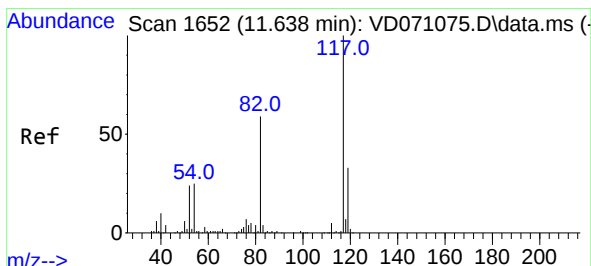
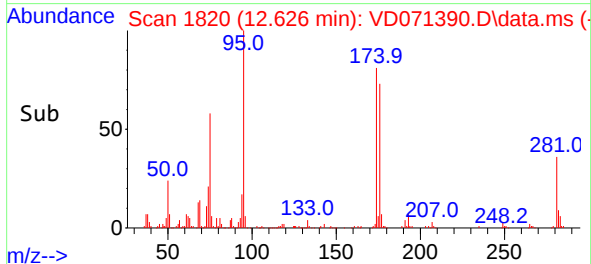
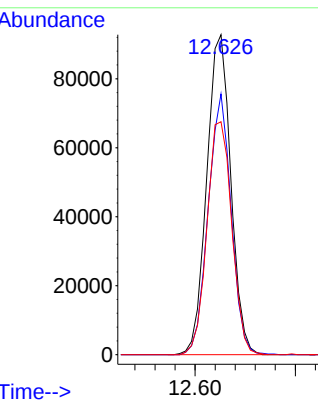
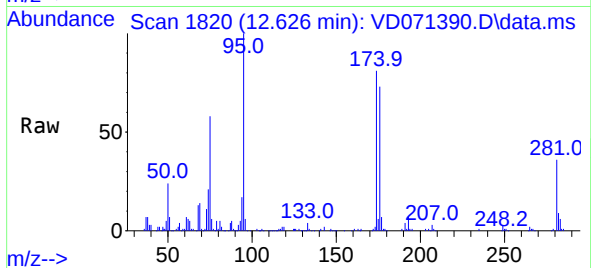




#62
4-Bromofluorobenzene
Concen: 41.624 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071390.D
Acq: 20 Dec 2021 14:15

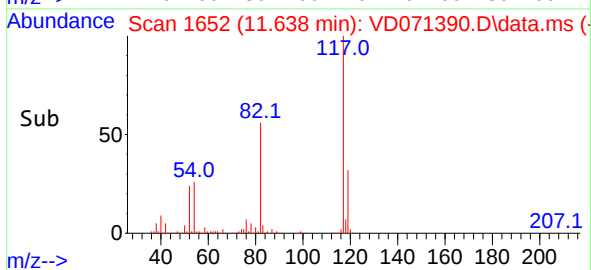
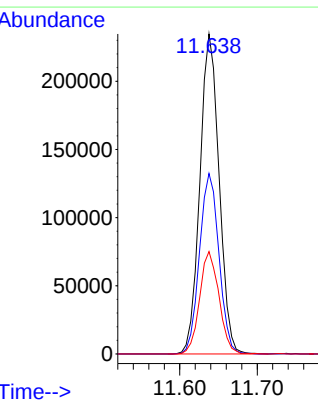
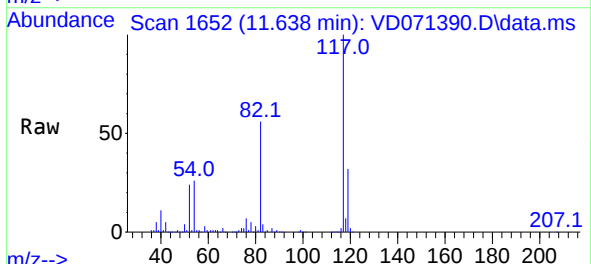
Instrument :
MSVOA_D
ClientSampleId :

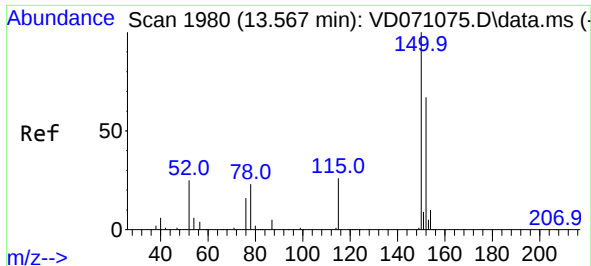
Tgt Ion: 95 Resp: 154639
Ion Ratio Lower Upper
95 100
174 77.9 0.0 159.4
176 75.0 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071390.D
Acq: 20 Dec 2021 14:15

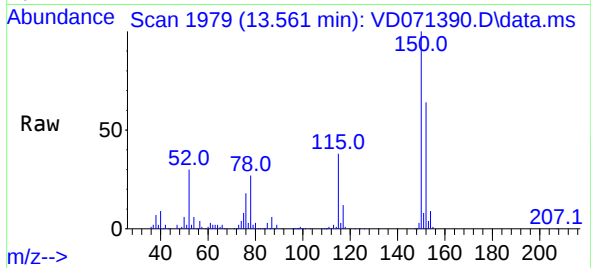
Tgt Ion: 117 Resp: 405347
Ion Ratio Lower Upper
117 100
82 56.4 44.7 67.1
119 32.0 26.2 39.4



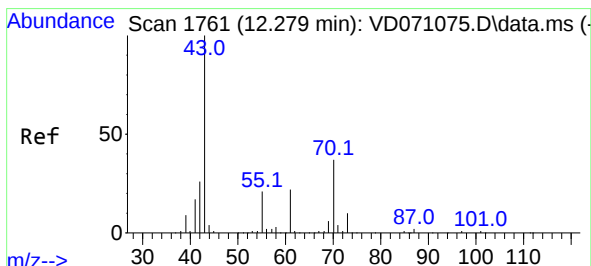
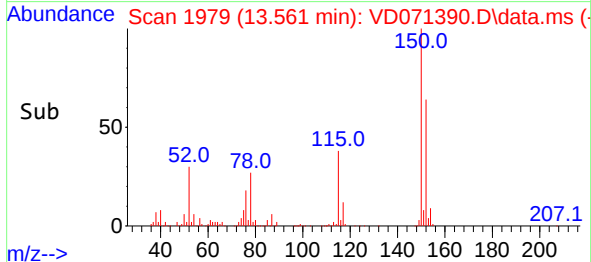
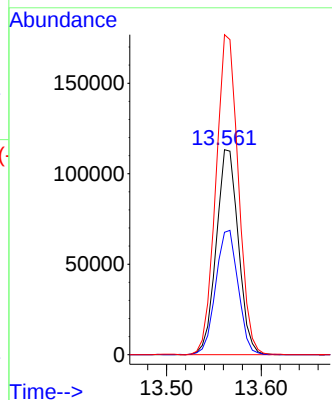


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD071390.D
Acq: 20 Dec 2021 14:15

Instrument :
MSVOA_D
ClientSampleId :

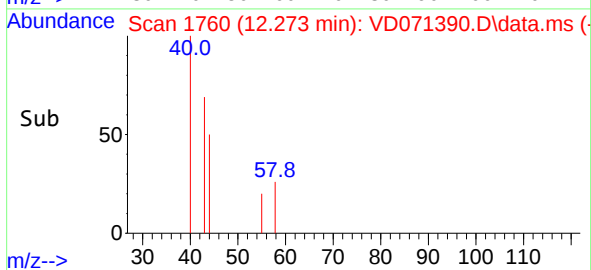
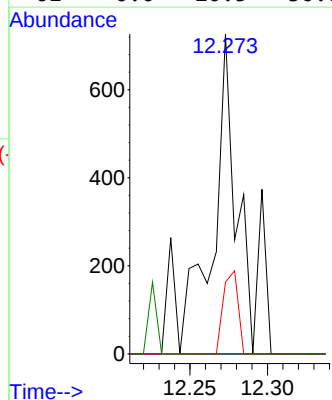
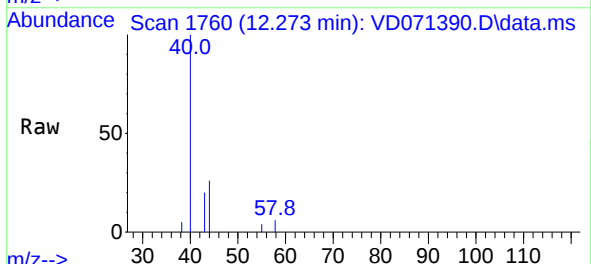


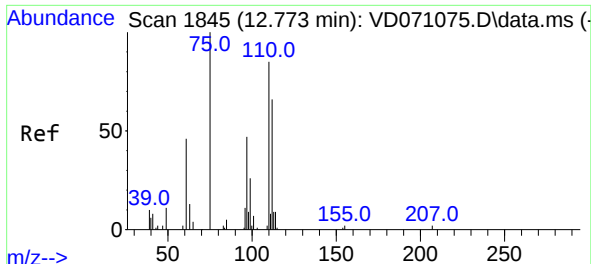
Tgt Ion:152 Resp: 184184
Ion Ratio Lower Upper
152 100
115 61.6 29.8 89.3
150 158.2 0.0 349.2



#74
N-ethyl acetate
Concen: 5.916 ug/l
RT: 12.273 min Scan# 1760
Delta R.T. -0.006 min
Lab File: VD071390.D
Acq: 20 Dec 2021 14:15

Tgt Ion: 43 Resp: 887
Ion Ratio Lower Upper
43 100
70 0.0 36.6 55.0#
55 14.0 22.5 33.7#
61 0.0 20.5 30.7#

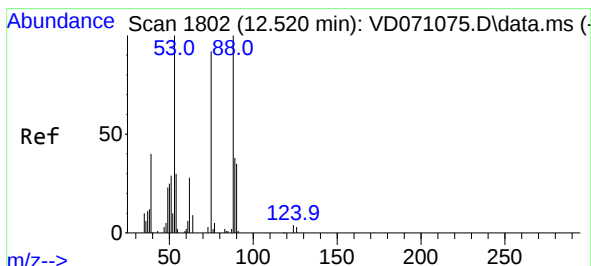
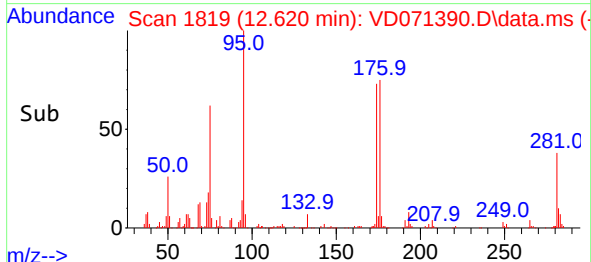
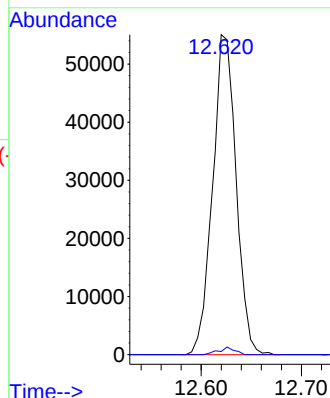
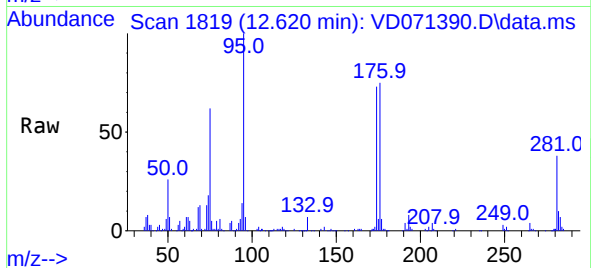




#76
1,2,3-Trichloropropane
Concen: 51.054 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071390.D
Acq: 20 Dec 2021 14:15

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 89590
Ion Ratio Lower Upper
75 100
77 1.6 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 111.395 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071390.D
Acq: 20 Dec 2021 14:15

Tgt Ion: 75 Resp: 89590
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 0.7 34.5 51.7#

