

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021622\
 Data File : VD071990.D
 Acq On : 16 Feb 2022 14:13
 Operator : VA/SY
 Sample : N1548-01
 Misc : 6.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-1-(1-1.5)

Quant Time: Feb 17 00:49:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 27 06:04:38 2022
 Response via : Initial Calibration

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

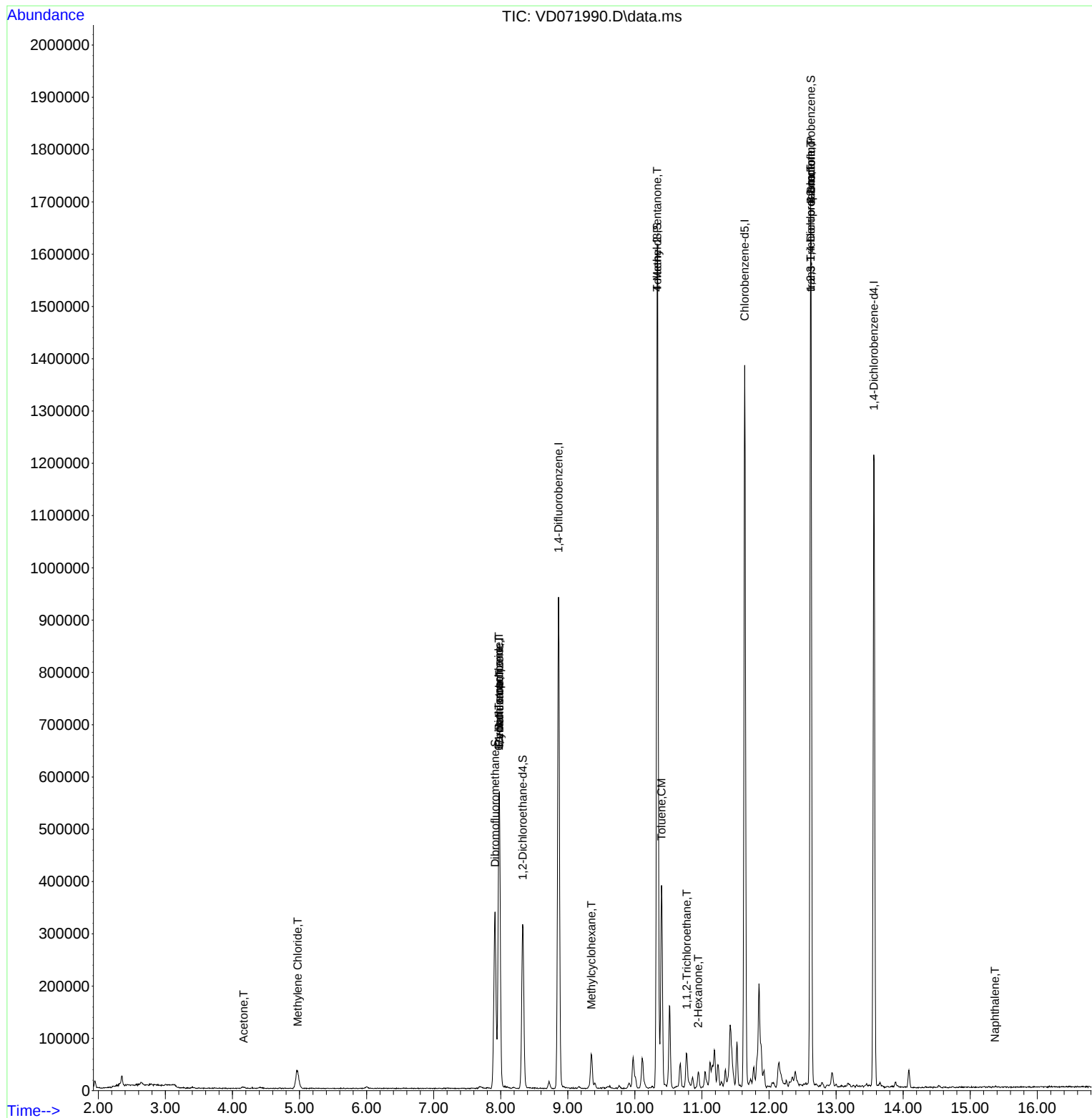
Internal Standards						
1) Pentafluorobenzene	7.979	168	382565	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	723312	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	719510	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	297800	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	250449	51.795	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.580%			
35) Dibromofluoromethane	7.914	113	225996	47.533	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 95.060%			
50) Toluene-d8	10.332	98	968119	54.522	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 109.040%			
62) 4-Bromofluorobenzene	12.626	95	332074	53.553	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 107.100%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.215	59	160	Below Cal	#	74
16) Acetone	4.168	43	5690	4.299	ug/l	93
20) Methylene Chloride	4.973	84	24399	1.416	ug/l	85
31) Cyclohexane	7.979	56	12546	1.359	ug/l	# 19
36) 1,1-Dichloropropene	7.973	75	38919	4.769	ug/l	# 52
38) Carbon Tetrachloride	7.973	117	43229	5.357	ug/l	# 19
39) Methylcyclohexane	9.350	83	19829	2.097	ug/l	92
51) 4-Methyl-2-Pentanone	10.332	43	9729	2.726	ug/l	# 1
52) Toluene	10.397	92	153579	11.212	ug/l	100
55) 1,1,2-Trichloroethane	10.773	97	21232	5.379	ug/l	# 21
59) 2-Hexanone	10.944	43	12929	4.992	ug/l	# 28
71) Bromoform	12.626	173	3908	1.322	ug/l	# 1
76) 1,2,3-Trichloropropane	12.620	75	196989	62.766	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.620	75	196989	154.328	ug/l	# 8
95) Naphthalene	15.367	128	1329	1.579	ug/l	# 70

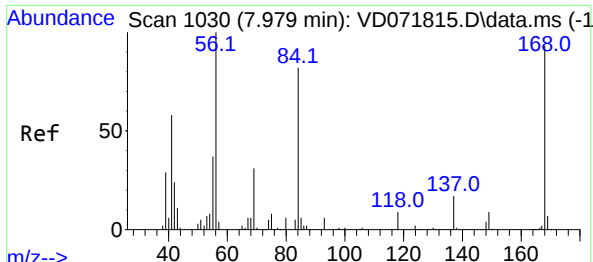
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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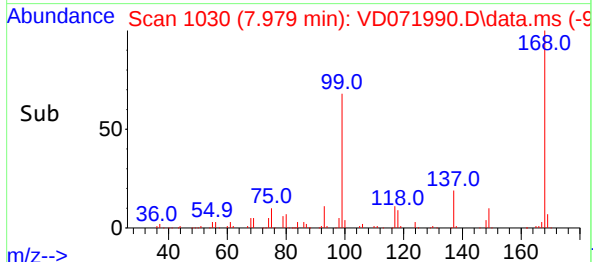
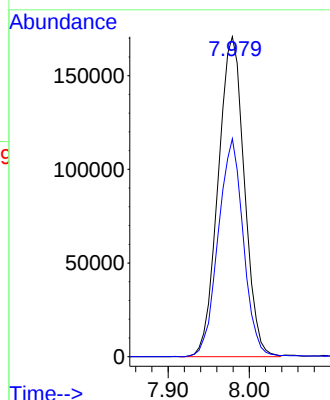
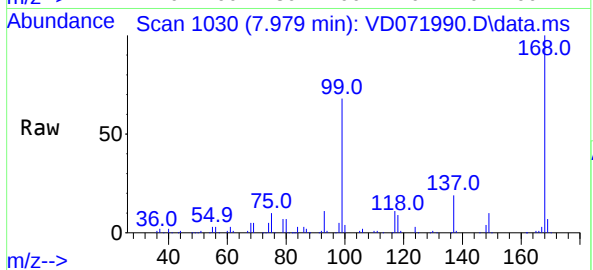




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD071990.D
Acq: 16 Feb 2022 14:13

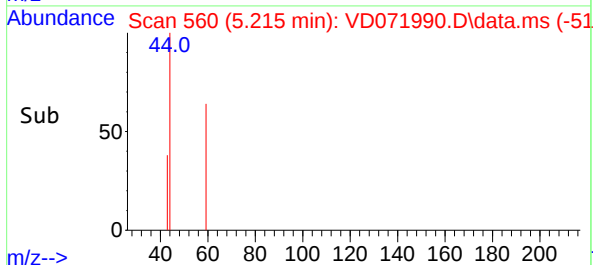
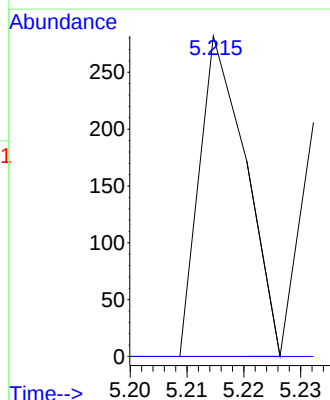
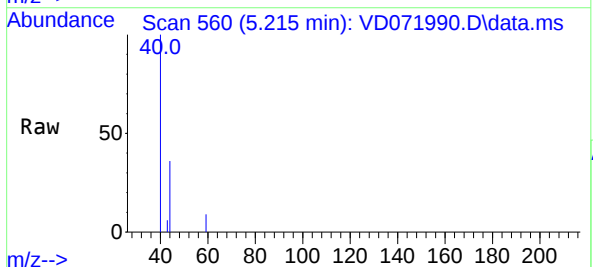
Instrument :
MSVOA_D
ClientSampleId :
SB-1-(1-1.5)

Tgt Ion:168 Resp: 382565
Ion Ratio Lower Upper
168 100
99 68.1 49.8 74.6



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.215 min Scan# 560
Delta R.T. -0.006 min
Lab File: VD071990.D
Acq: 16 Feb 2022 14:13

Tgt Ion: 59 Resp: 160
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

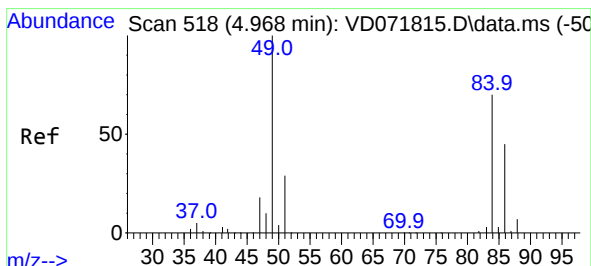
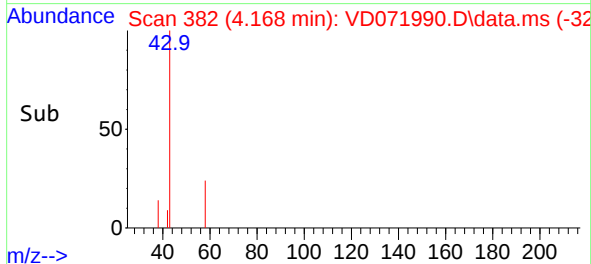
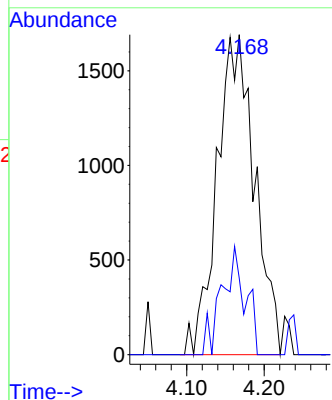
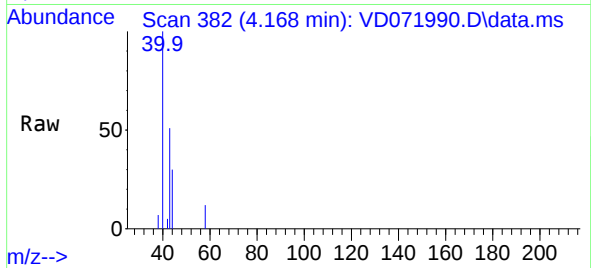




#16
Acetone
Concen: 4.299 ug/l
RT: 4.168 min Scan# 381
Delta R.T. 0.012 min
Lab File: VD071990.D
Acq: 16 Feb 2022 14:13

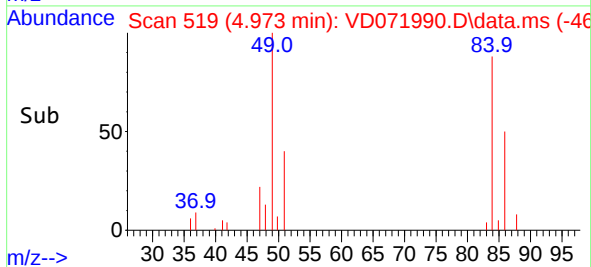
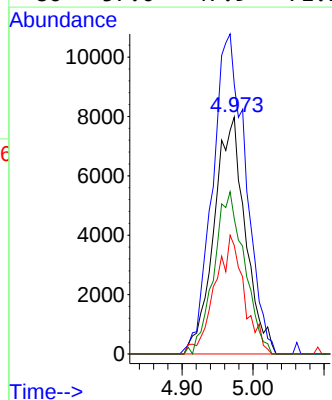
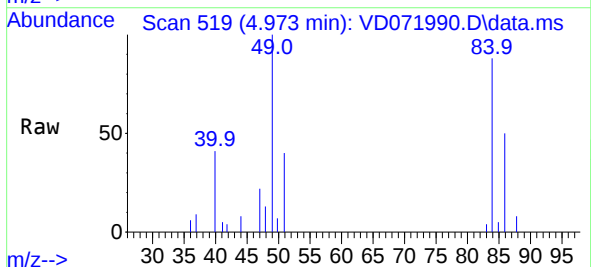
Instrument :
MSVOA_D
ClientSampleId :
SB-1-(1-1.5)

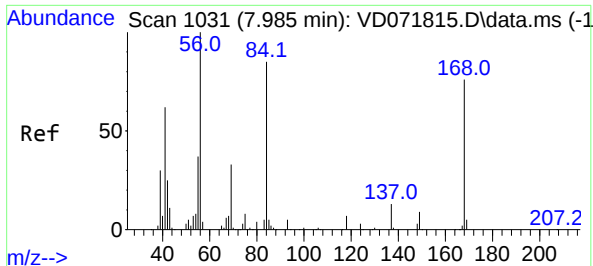
Tgt Ion: 43 Resp: 5690
Ion Ratio Lower Upper
43 100
58 23.9 22.1 33.1



#20
Methylene Chloride
Concen: 1.416 ug/l
RT: 4.973 min Scan# 519
Delta R.T. 0.006 min
Lab File: VD071990.D
Acq: 16 Feb 2022 14:13

Tgt Ion: 84 Resp: 24399
Ion Ratio Lower Upper
84 100
49 113.6 112.8 169.2
51 45.7 32.6 48.8
86 57.0 47.9 71.9





#31

Cyclohexane

Concen: 1.359 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD071990.D

Acq: 16 Feb 2022 14:13

Instrument :

MSVOA_D

ClientSampleId :

SB-1-(1-1.5)

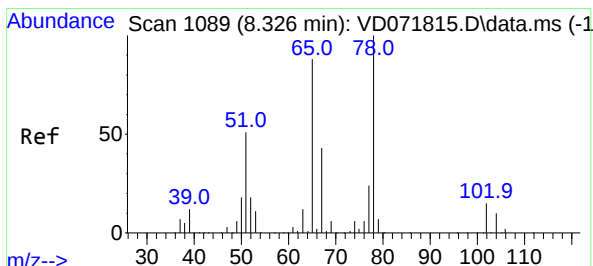
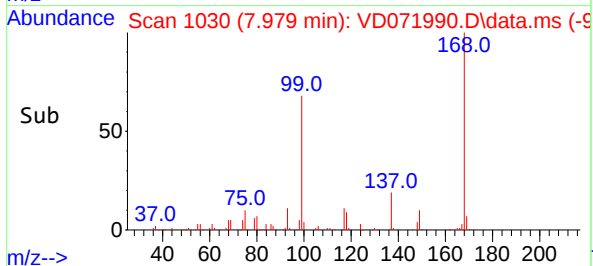
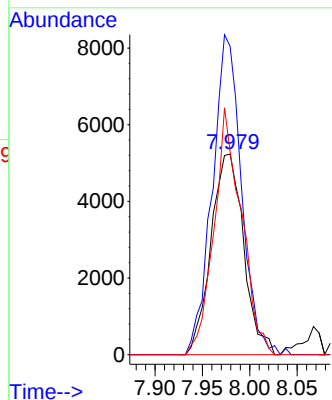
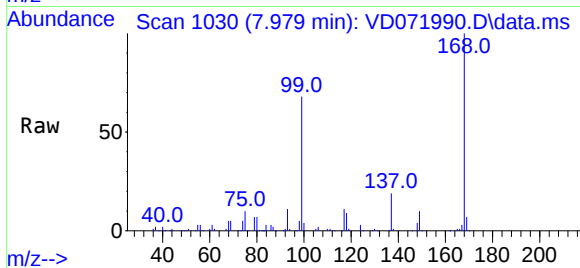
Tgt Ion: 56 Resp: 12546

Ion Ratio Lower Upper

56 100

69 153.6 25.4 38.2#

84 101.3 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 51.795 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD071990.D

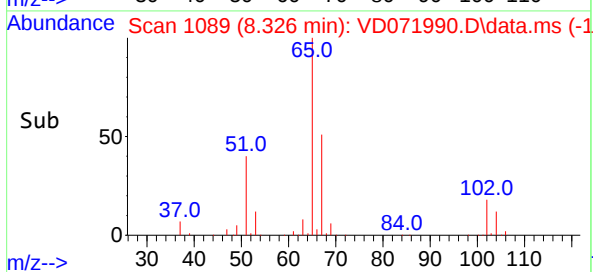
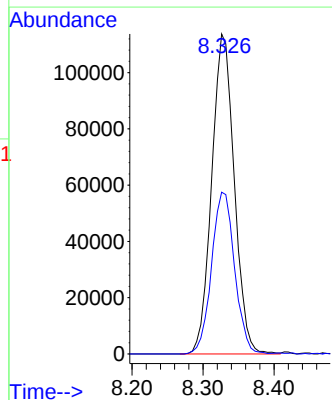
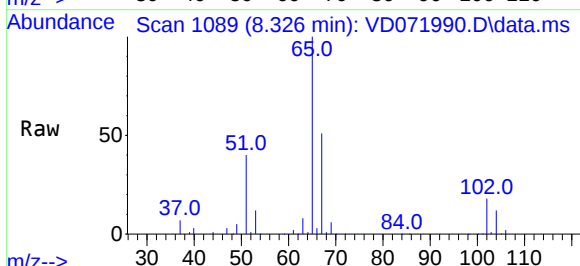
Acq: 16 Feb 2022 14:13

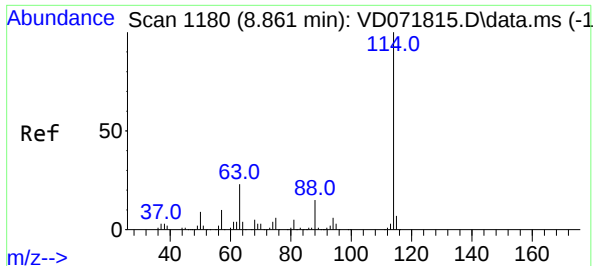
Tgt Ion: 65 Resp: 250449

Ion Ratio Lower Upper

65 100

67 51.7 0.0 101.4

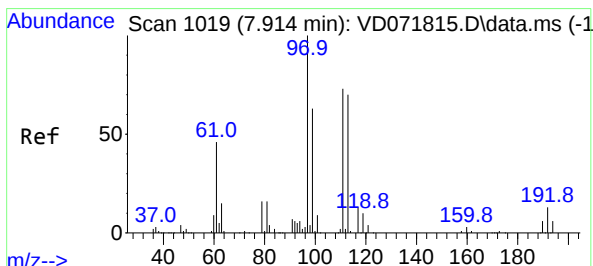
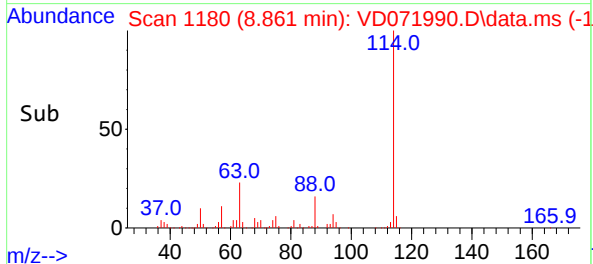
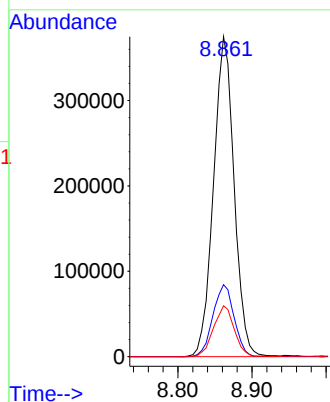
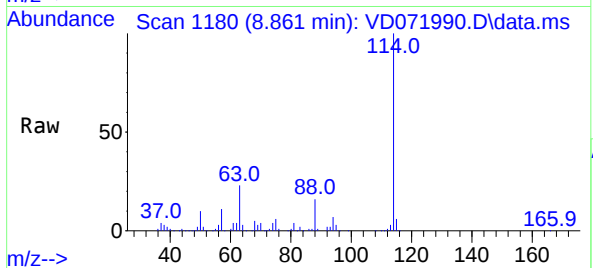




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071990.D
Acq: 16 Feb 2022 14:13

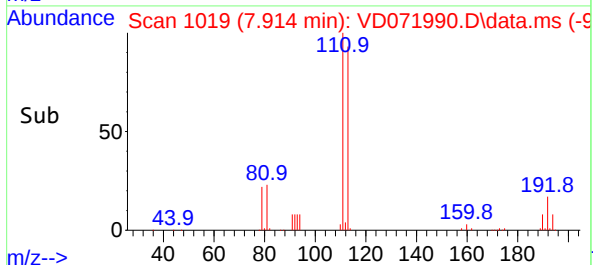
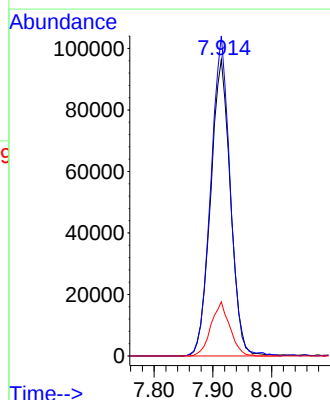
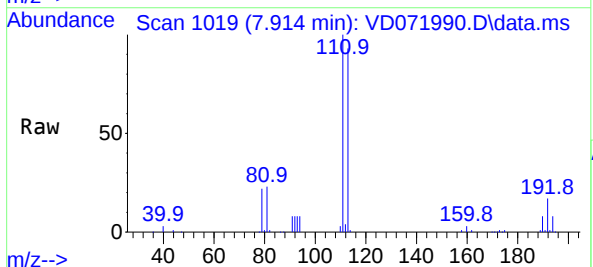
Instrument :
MSVOA_D
ClientSampleId :
SB-1-(1-1.5)

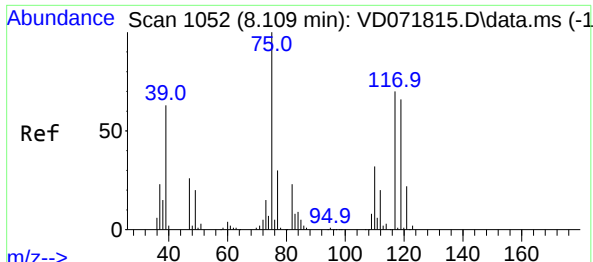
Tgt Ion:114 Resp: 723312
Ion Ratio Lower Upper
114 100
63 22.5 0.0 46.6
88 15.9 0.0 33.2



#35
Dibromofluoromethane
Concen: 47.533 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD071990.D
Acq: 16 Feb 2022 14:13

Tgt Ion:113 Resp: 225996
Ion Ratio Lower Upper
113 100
111 104.9 83.8 125.6
192 17.3 14.6 21.8

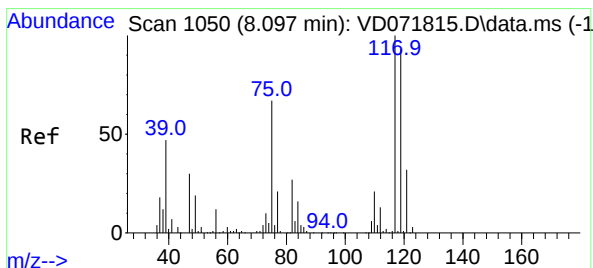
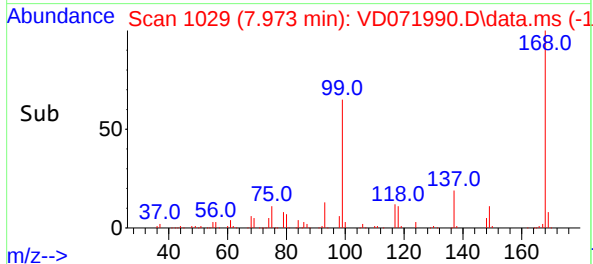
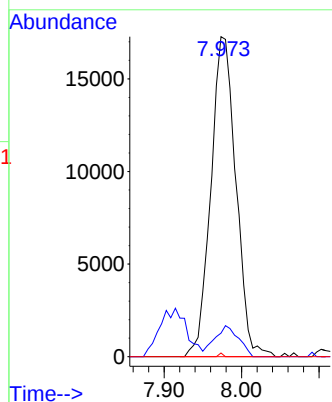
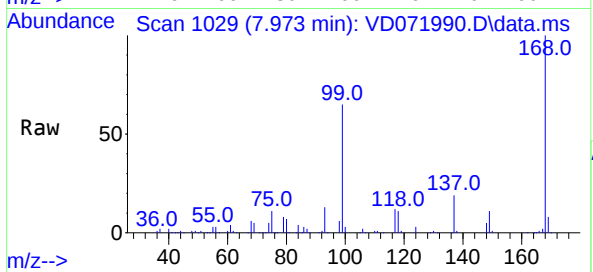




#36
1,1-Dichloropropene
Concen: 4.769 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.141 min
Lab File: VD071990.D
Acq: 16 Feb 2022 14:13

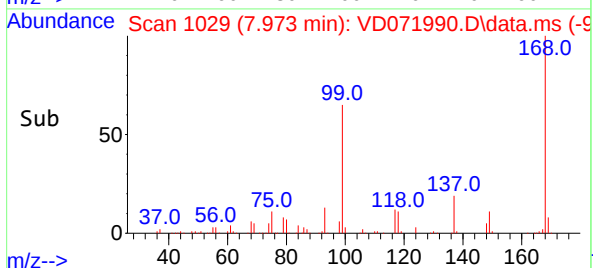
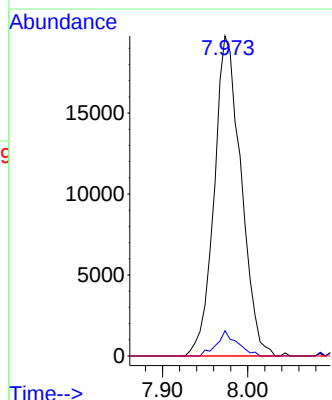
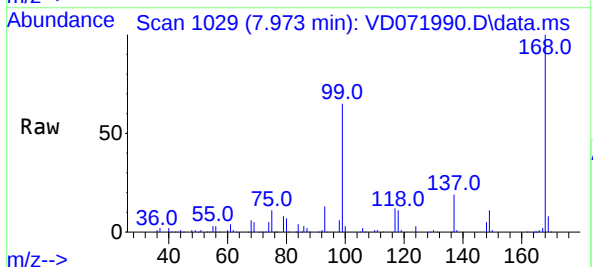
Instrument :
MSVOA_D
ClientSampleId :
SB-1-(1-1.5)

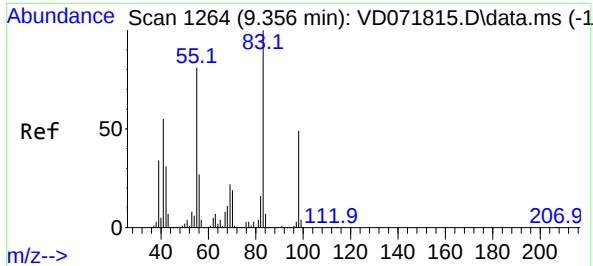
Tgt Ion: 75 Resp: 38919
Ion Ratio Lower Upper
75 100
110 9.2 16.4 49.1#
77 0.2 24.2 36.2#



#38
Carbon Tetrachloride
Concen: 5.357 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.123 min
Lab File: VD071990.D
Acq: 16 Feb 2022 14:13

Tgt Ion: 117 Resp: 43229
Ion Ratio Lower Upper
117 100
119 7.9 75.8 113.6#
121 0.0 24.5 36.7#

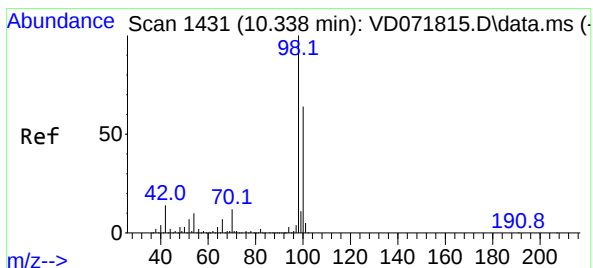
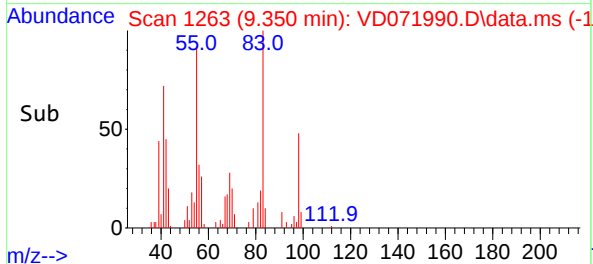
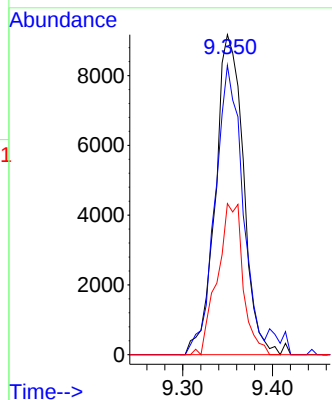
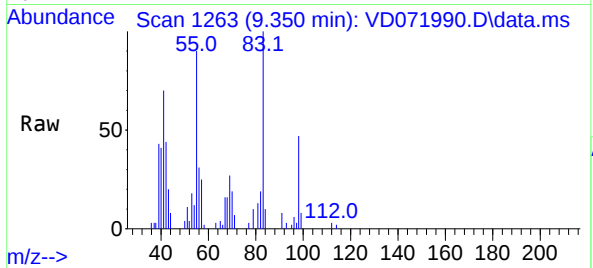




#39
Methylcyclohexane
Concen: 2.097 ug/l
RT: 9.350 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD071990.D
Acq: 16 Feb 2022 14:13

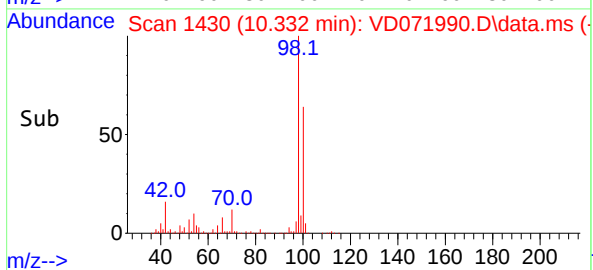
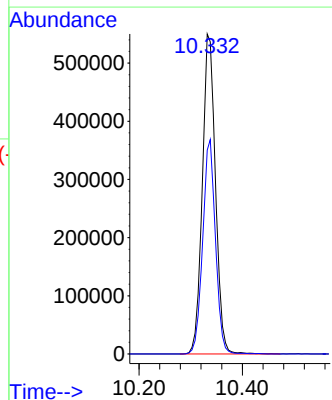
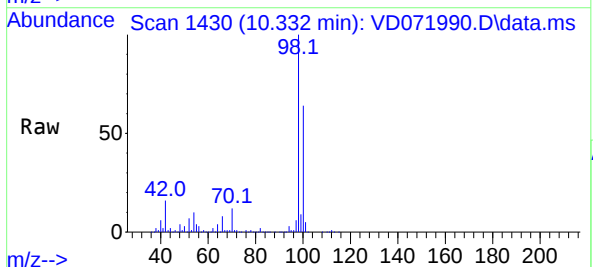
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MSVOA_D
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SB-1-(1-1.5)

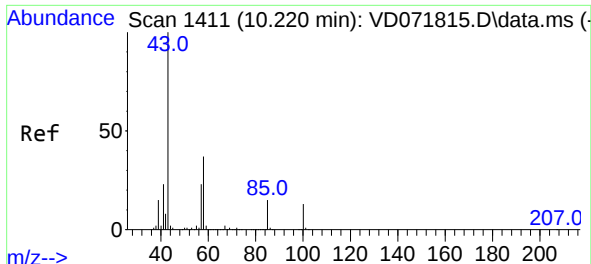
Tgt Ion: 83 Resp: 19829
Ion Ratio Lower Upper
83 100
55 90.4 63.2 94.8
98 47.2 38.2 57.4



#50
Toluene-d8
Concen: 54.522 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD071990.D
Acq: 16 Feb 2022 14:13

Tgt Ion: 98 Resp: 968119
Ion Ratio Lower Upper
98 100
100 65.2 52.4 78.6

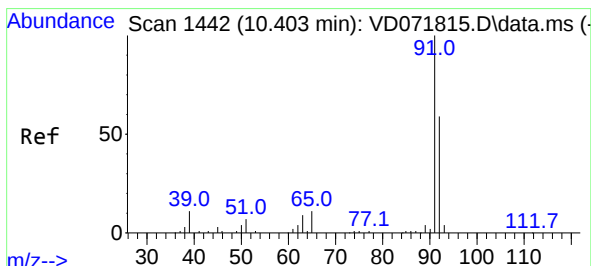
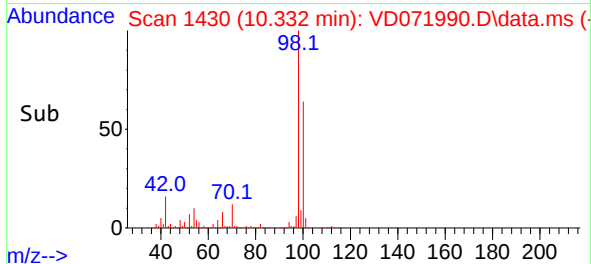
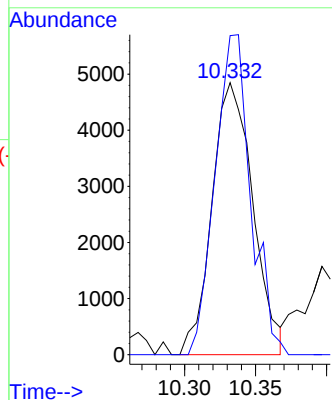
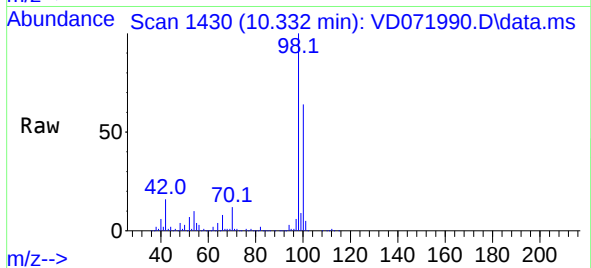




#51
4-Methyl-2-Pentanone
Concen: 2.726 ug/l
RT: 10.332 min Scan# 1411
Delta R.T. 0.106 min
Lab File: VD071990.D
Acq: 16 Feb 2022 14:13

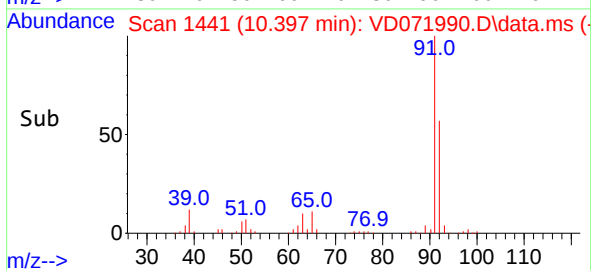
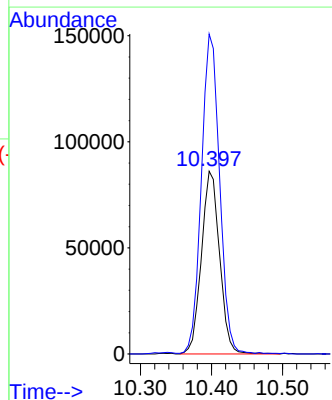
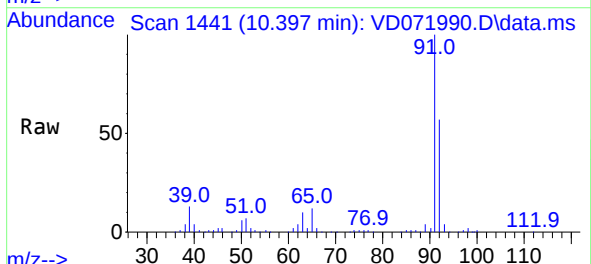
Instrument :
MSVOA_D
ClientSampleId :
SB-1-(1-1.5)

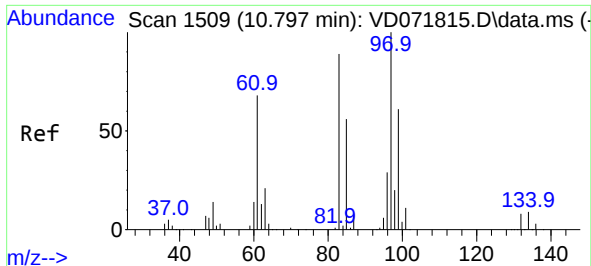
Tgt Ion: 43 Resp: 9729
Ion Ratio Lower Upper
43 100
58 102.8 28.6 43.0#



#52
Toluene
Concen: 11.212 ug/l
RT: 10.397 min Scan# 1441
Delta R.T. -0.006 min
Lab File: VD071990.D
Acq: 16 Feb 2022 14:13

Tgt Ion: 92 Resp: 153579
Ion Ratio Lower Upper
92 100
91 174.5 139.6 209.4

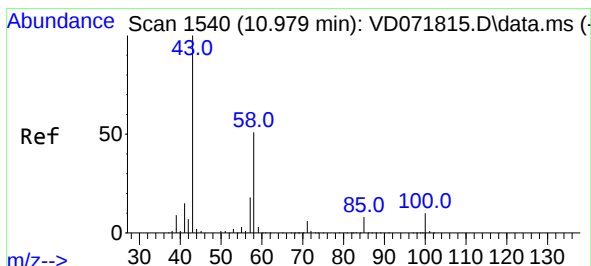
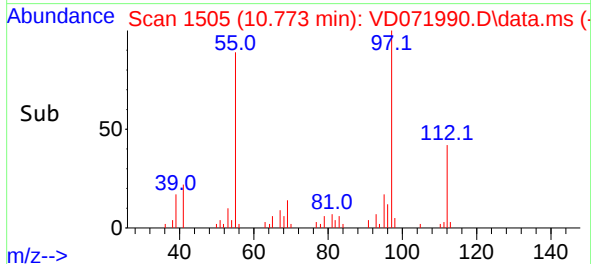
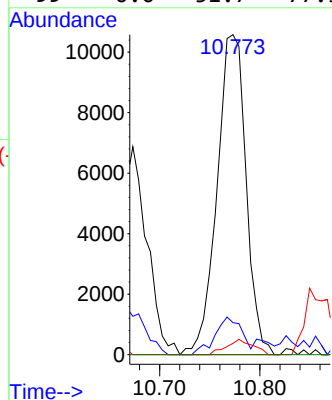
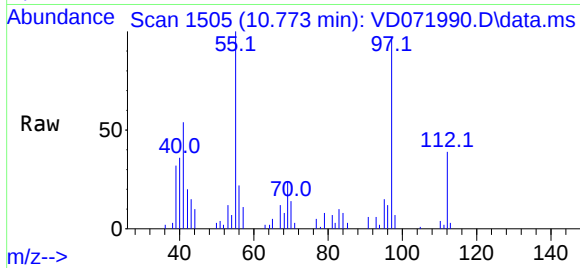




#55
1,1,2-Trichloroethane
Concen: 5.379 ug/l
RT: 10.773 min Scan# 11
Delta R.T. -0.023 min
Lab File: VD071990.D
Acq: 16 Feb 2022 14:13

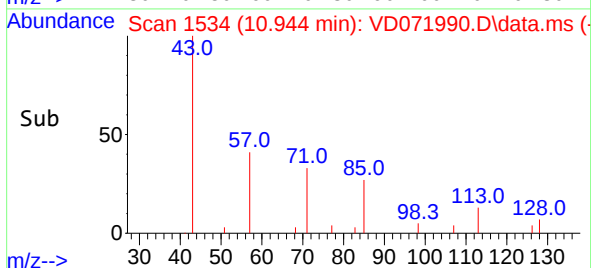
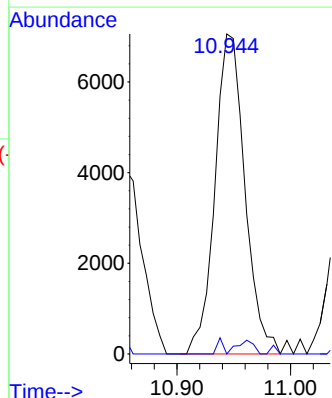
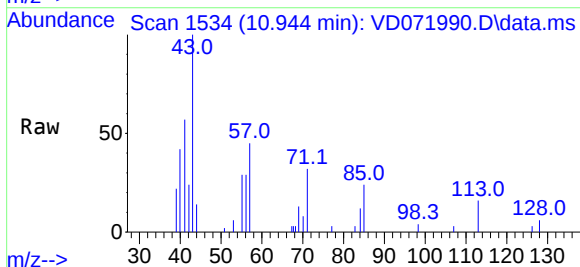
Instrument :
MSVOA_D
ClientSampleId :
SB-1-(1-1.5)

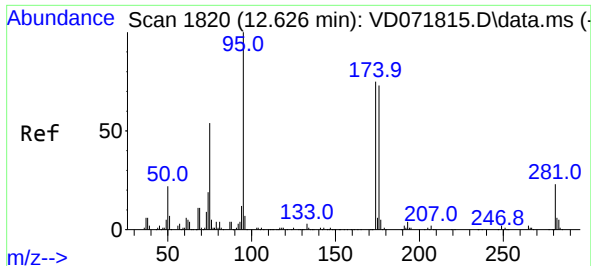
Tgt Ion:	97	Resp:	21232
Ion	Ratio	Lower	Upper
97	100		
83	10.0	69.0	103.4#
85	3.5	42.6	63.8#
99	0.0	51.7	77.5#



#59
2-Hexanone
Concen: 4.992 ug/l
RT: 10.944 min Scan# 1534
Delta R.T. -0.035 min
Lab File: VD071990.D
Acq: 16 Feb 2022 14:13

Tgt Ion:	43	Resp:	12929
Ion	Ratio	Lower	Upper
43	100		
58	1.0	25.3	75.9#

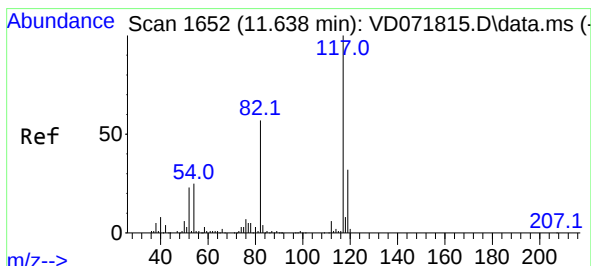
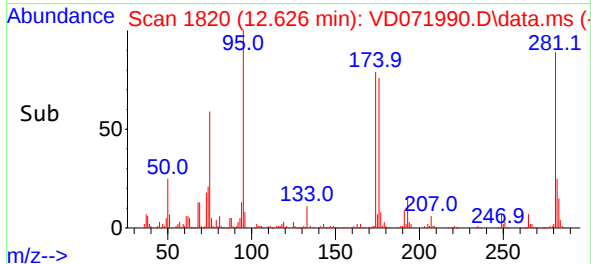
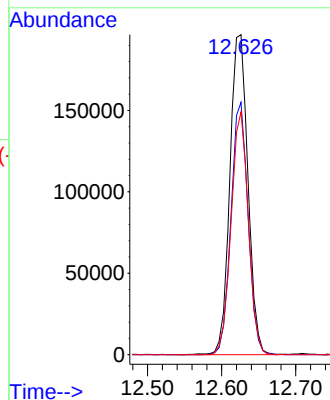
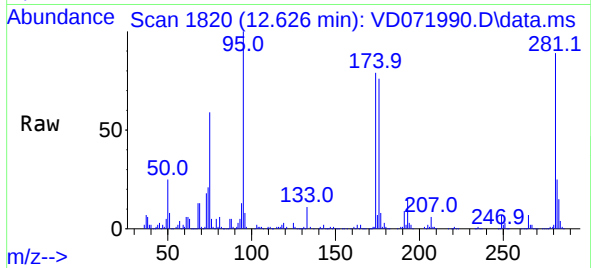




#62
4-Bromofluorobenzene
Concen: 53.553 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD071990.D
Acq: 16 Feb 2022 14:13

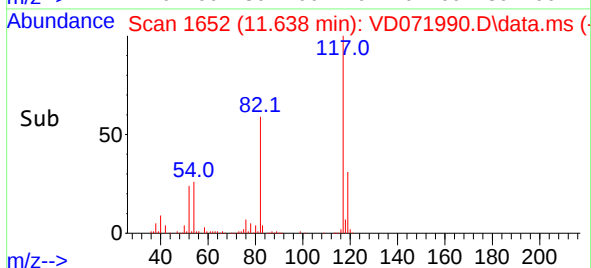
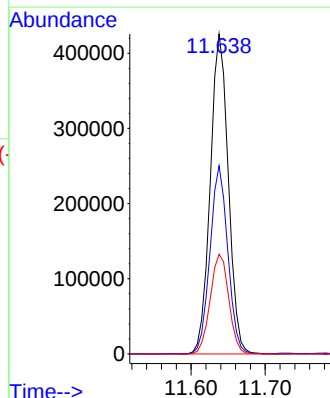
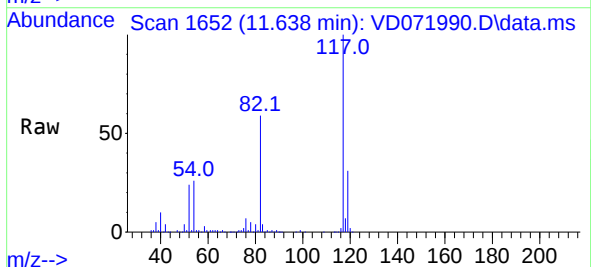
Instrument :
MSVOA_D
ClientSampleId :
SB-1-(1-1.5)

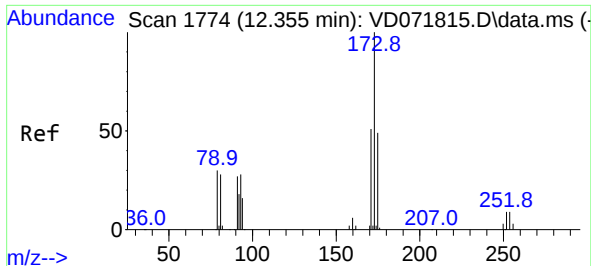
Tgt Ion: 95 Resp: 332074
Ion Ratio Lower Upper
95 100
174 74.7 0.0 152.8
176 72.0 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD071990.D
Acq: 16 Feb 2022 14:13

Tgt Ion: 117 Resp: 719510
Ion Ratio Lower Upper
117 100
82 58.7 45.3 67.9
119 31.2 26.6 40.0

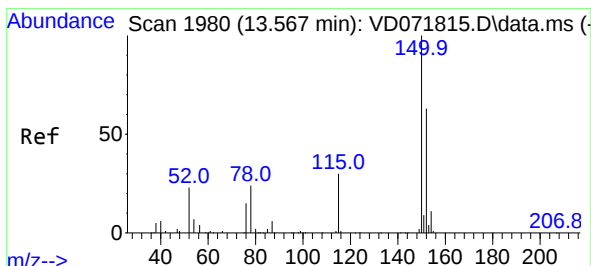
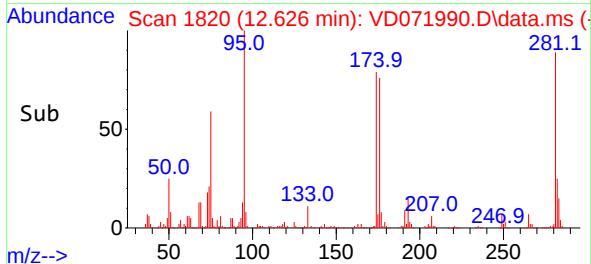
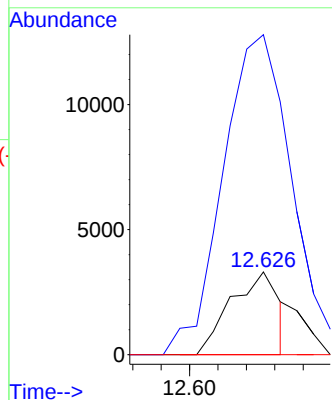
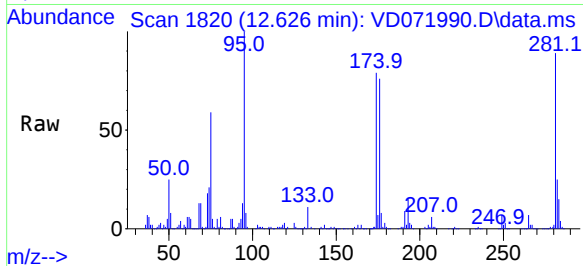




#71
Bromoform
Concen: 1.322 ug/l
RT: 12.626 min Scan# 11
Delta R.T. 0.271 min
Lab File: VD071990.D
Acq: 16 Feb 2022 14:13

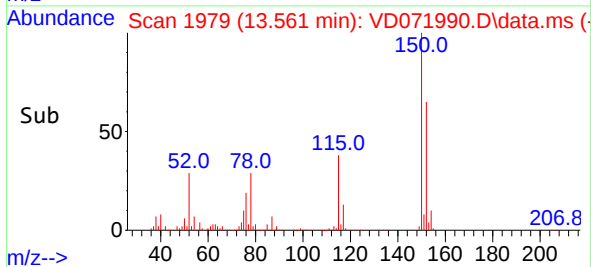
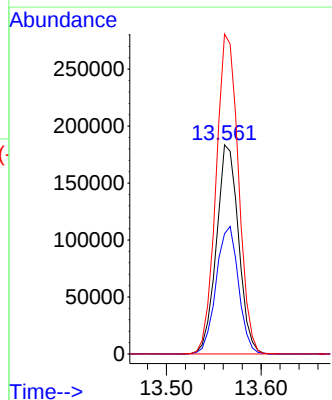
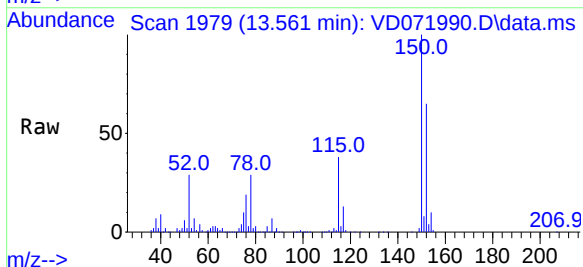
Instrument :
MSVOA_D
ClientSampleId :
SB-1-(1-1.5)

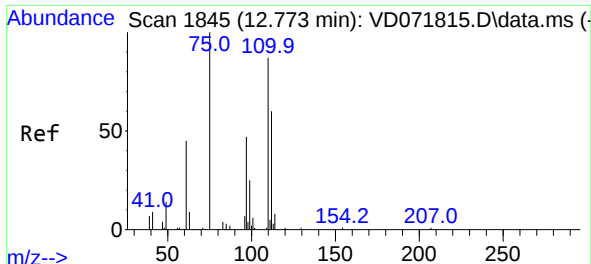
Tgt Ion:173 Resp: 3908
Ion Ratio Lower Upper
173 100
175 463.5 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD071990.D
Acq: 16 Feb 2022 14:13

Tgt Ion:152 Resp: 297800
Ion Ratio Lower Upper
152 100
115 62.0 31.3 93.8
150 155.0 0.0 348.6

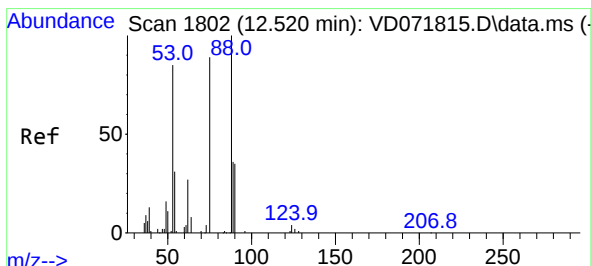
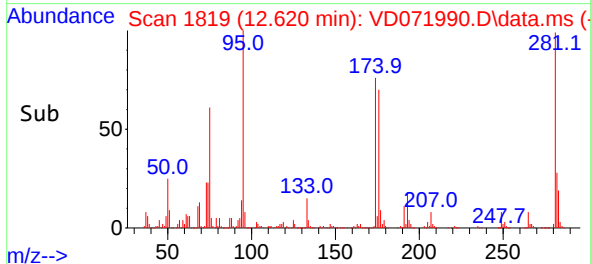
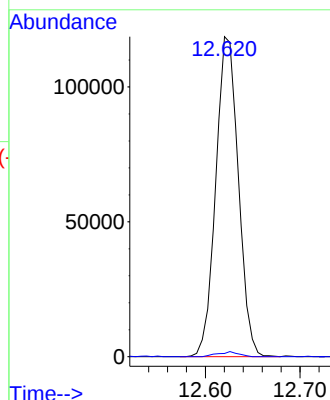
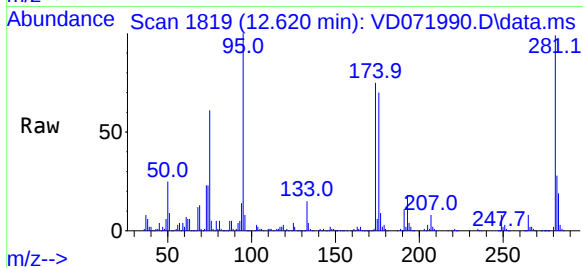




#76
1,2,3-Trichloropropane
Concen: 62.766 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071990.D
Acq: 16 Feb 2022 14:13

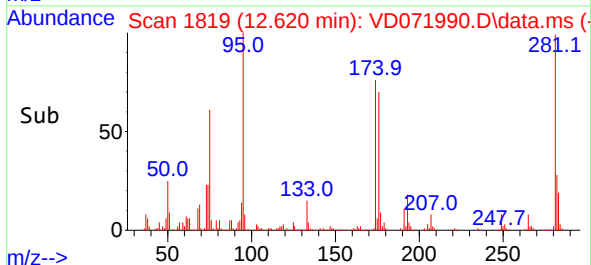
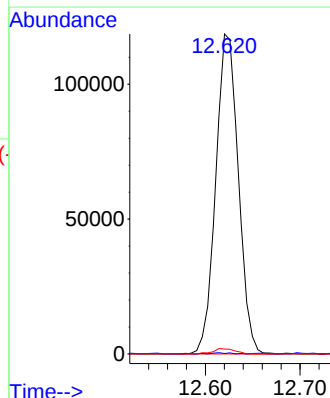
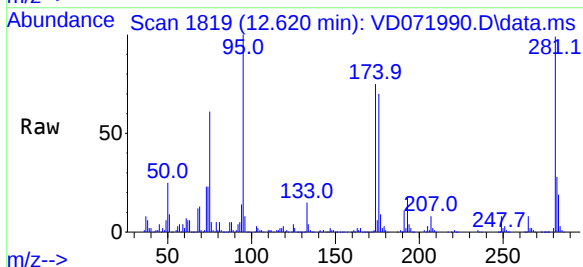
Instrument :
MSVOA_D
ClientSampleId :
SB-1-(1-1.5)

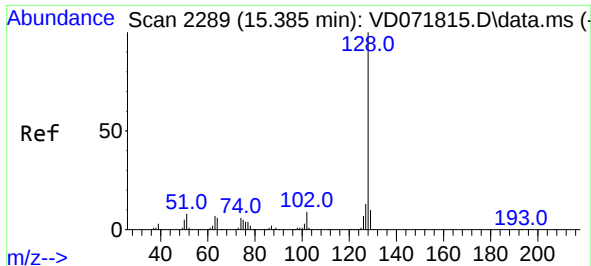
Tgt Ion: 75 Resp: 196989
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 154.328 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071990.D
Acq: 16 Feb 2022 14:13

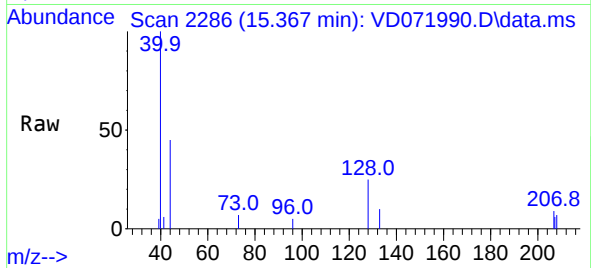
Tgt Ion: 75 Resp: 196989
Ion Ratio Lower Upper
75 100
53 0.3 86.5 129.7#
89 1.6 33.9 50.9#





#95
Naphthalene
Concen: 1.579 ug/l
RT: 15.367 min Scan# 21
Delta R.T. -0.018 min
Lab File: VD071990.D
Acq: 16 Feb 2022 14:13

Instrument :
MSVOA_D
ClientSampleId :
SB-1-(1-1.5)



Tgt Ion:128 Resp: 1329
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

