

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110722\
 Data File : VD074760.D
 Acq On : 07 Nov 2022 14:41
 Operator : VA/SY
 Sample : N5435-01
 Misc : 5.64G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-1

Quant Time: Nov 08 00:21:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110222S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 03 02:30:45 2022
 Response via : Initial Calibration

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

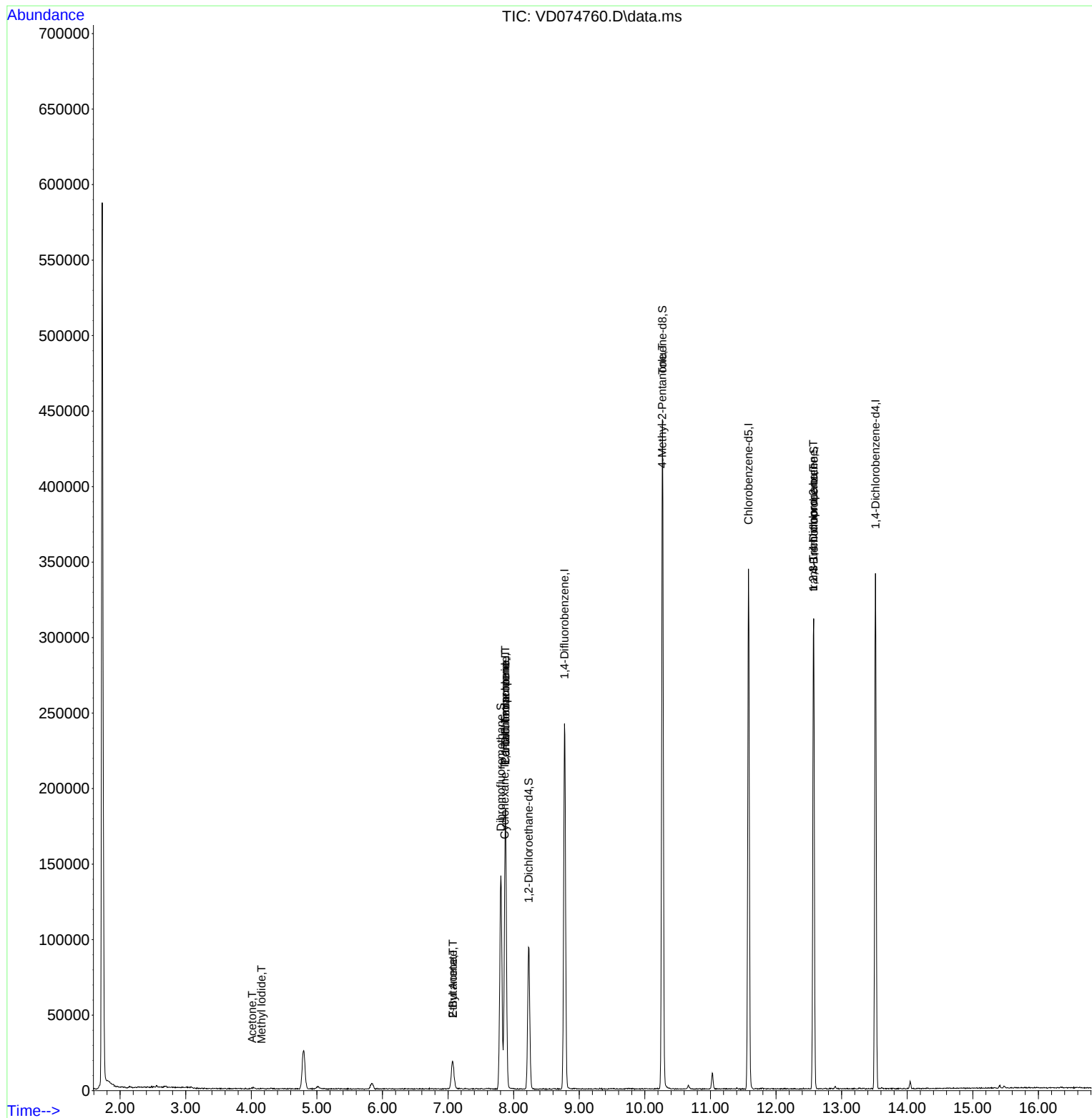
Internal Standards						
1) Pentafluorobenzene	7.875	168	151143	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	231292	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	213582	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	97528	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	73581	61.467	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.940%	
35) Dibromofluoromethane	7.804	113	104257	76.201	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 152.400%#	
50) Toluene-d8	10.269	98	317856	63.689	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 127.380%	
62) 4-Bromofluorobenzene	12.575	95	95024	65.944	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 131.880%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.157	142	150	5.621	ug/l #	43
11) Tert butyl alcohol	5.075	59	55	Below Cal	#	84
16) Acetone	4.016	43	1382	5.532	ug/l #	87
20) Methylene Chloride	4.799	84	22071	Below Cal		91
25) 2-Butanone	7.075	43	1190	3.465	ug/l #	42
31) Cyclohexane	7.863	56	2488	1.027	ug/l #	25
36) 1,1-Dichloropropene	7.875	75	10531	5.071	ug/l #	47
37) Ethyl Acetate	7.075	43	1190	1.718	ug/l #	6
38) Carbon Tetrachloride	7.875	117	13885	7.057	ug/l #	19
51) 4-Methyl-2-Pentanone	10.263	43	981	1.569	ug/l #	1
76) 1,2,3-Trichloropropane	12.569	75	47454	62.766	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.569	75	47454	148.992	ug/l #	17

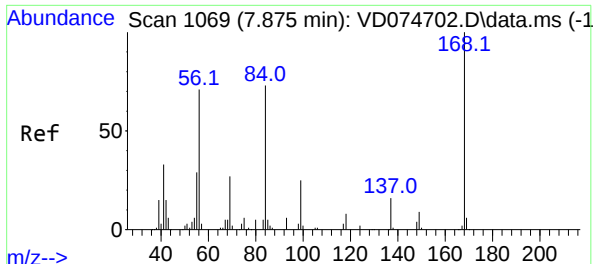
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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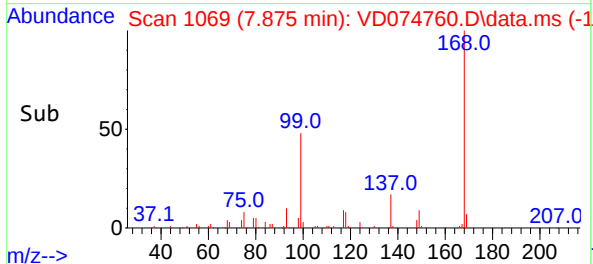
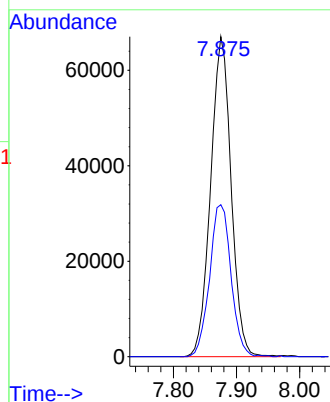
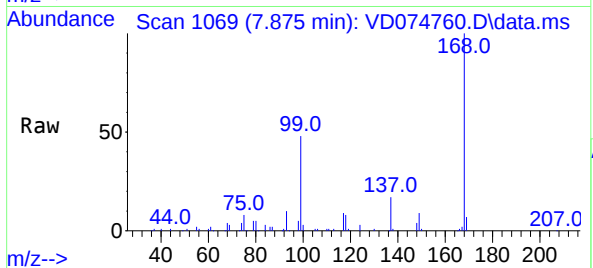




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD074760.D
Acq: 07 Nov 2022 14:41

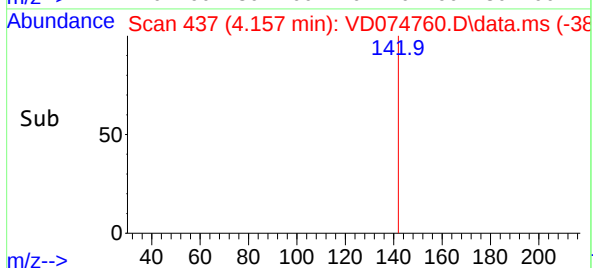
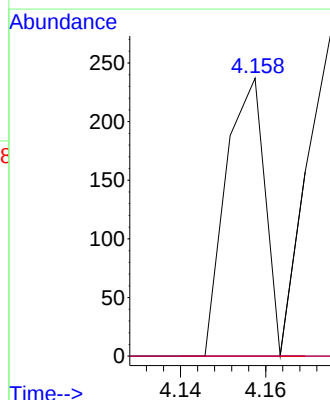
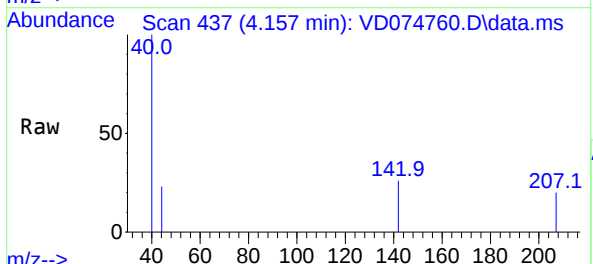
Instrument :
MSVOA_D
ClientSampleId :
SB-1

Tgt Ion:168 Resp: 151143
Ion Ratio Lower Upper
168 100
99 47.5 40.9 61.3



#10
Methyl Iodide
Concen: 5.621 ug/l
RT: 4.157 min Scan# 437
Delta R.T. -0.001 min
Lab File: VD074760.D
Acq: 07 Nov 2022 14:41

Tgt Ion:142 Resp: 150
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#

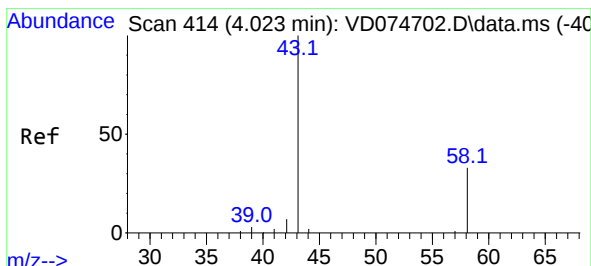
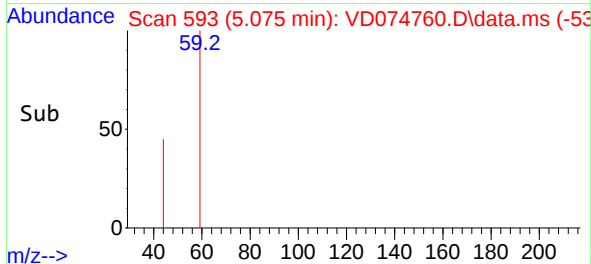
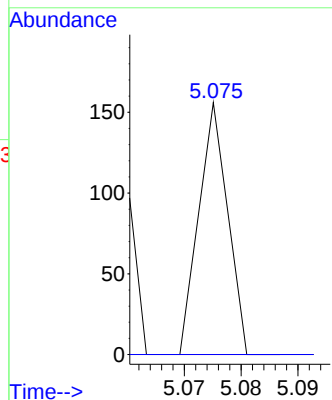
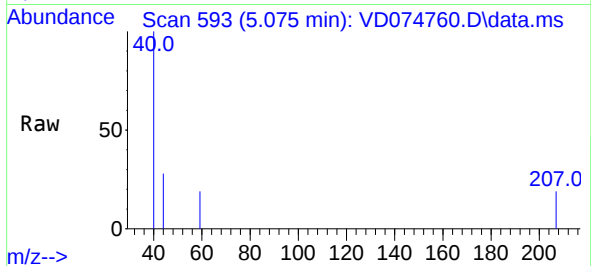




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.075 min Scan# 59
Delta R.T. 0.029 min
Lab File: VD074760.D
Acq: 07 Nov 2022 14:41

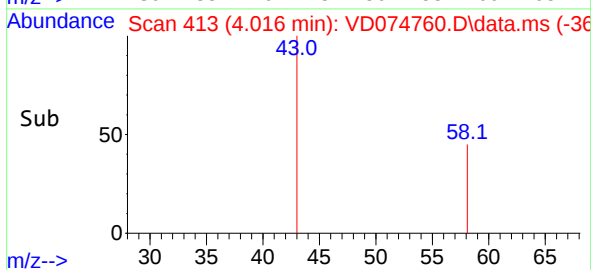
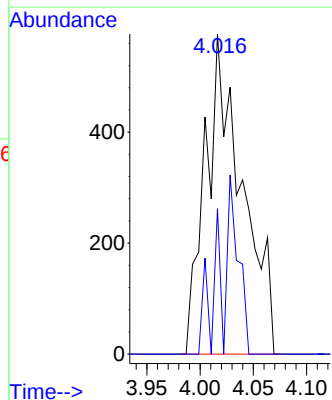
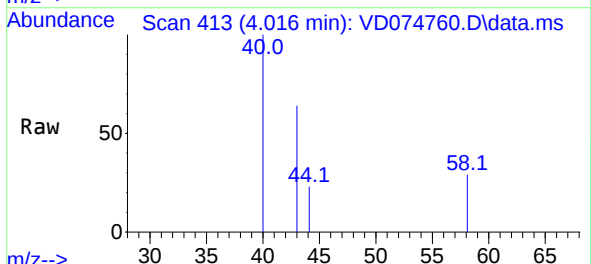
Instrument :
MSVOA_D
ClientSampleId :
SB-1

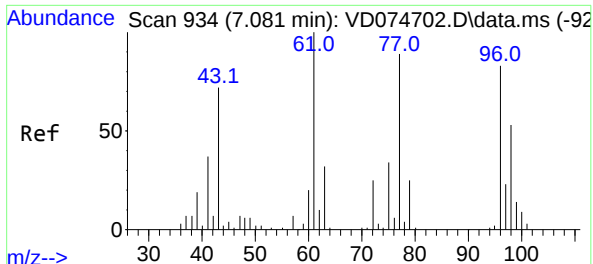
Tgt Ion: 59 Resp: 55
Ion Ratio Lower Upper
59 100
57 0.0 4.4 6.6#



#16
Acetone
Concen: 5.532 ug/l
RT: 4.016 min Scan# 413
Delta R.T. -0.007 min
Lab File: VD074760.D
Acq: 07 Nov 2022 14:41

Tgt Ion: 43 Resp: 1382
Ion Ratio Lower Upper
43 100
58 45.4 30.2 45.2#





#25

2-Butanone

Concen: 3.465 ug/l

RT: 7.075 min Scan# 91

Delta R.T. -0.006 min

Lab File: VD074760.D

Acq: 07 Nov 2022 14:41

Instrument :

MSVOA_D

ClientSampleId :

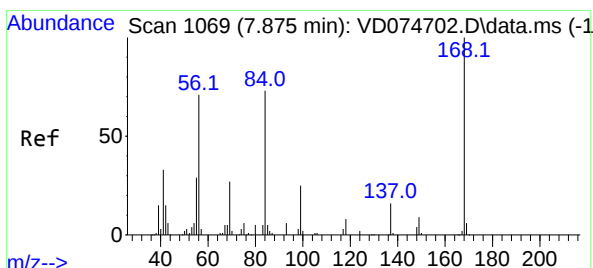
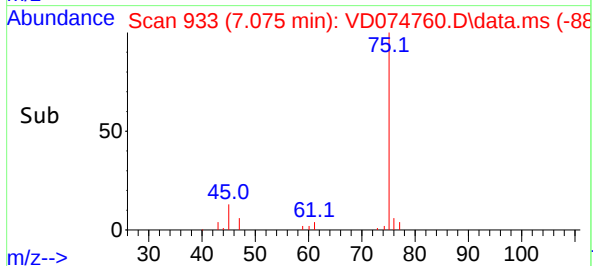
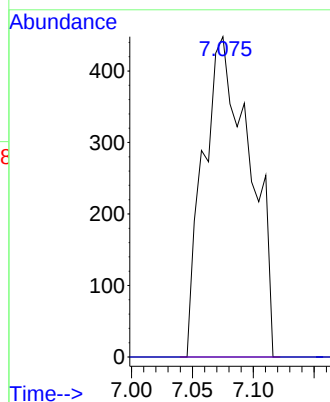
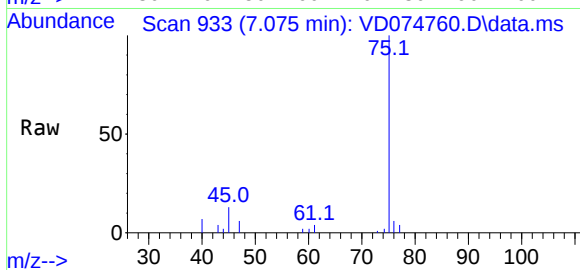
SB-1

Tgt Ion: 43 Resp: 1190

Ion Ratio Lower Upper

43 100

72 0.0 25.8 38.8#



#31

Cyclohexane

Concen: 1.027 ug/l

RT: 7.863 min Scan# 1067

Delta R.T. -0.012 min

Lab File: VD074760.D

Acq: 07 Nov 2022 14:41

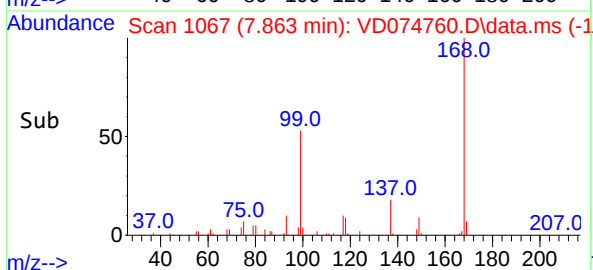
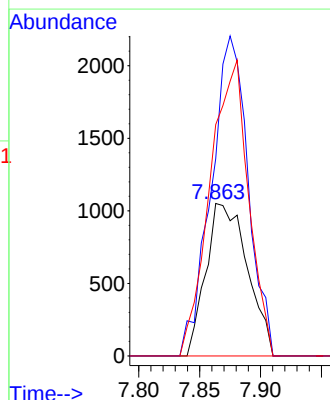
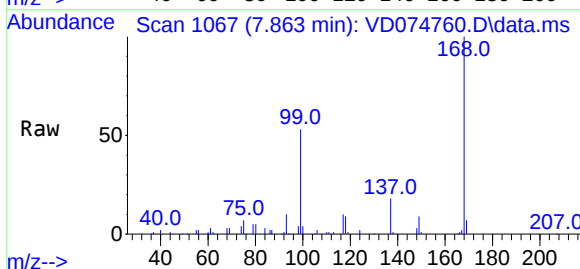
Tgt Ion: 56 Resp: 2488

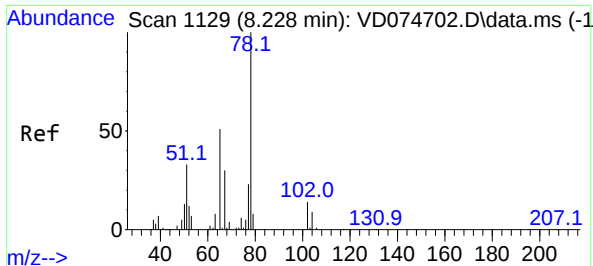
Ion Ratio Lower Upper

56 100

69 129.4 29.2 43.8#

84 151.7 83.4 125.2#

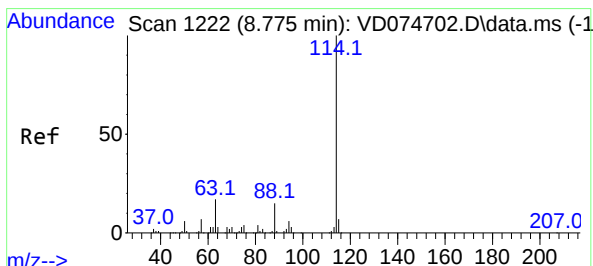
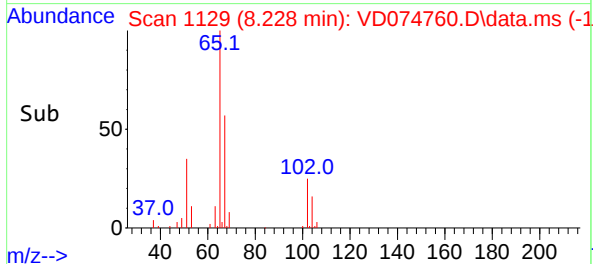
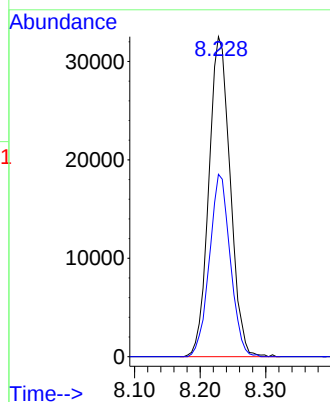
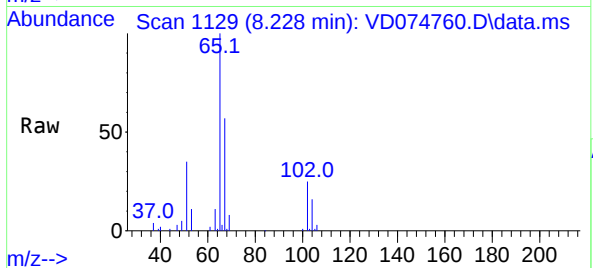




#33
1,2-Dichloroethane-d4
Concen: 61.467 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD074760.D
Acq: 07 Nov 2022 14:41

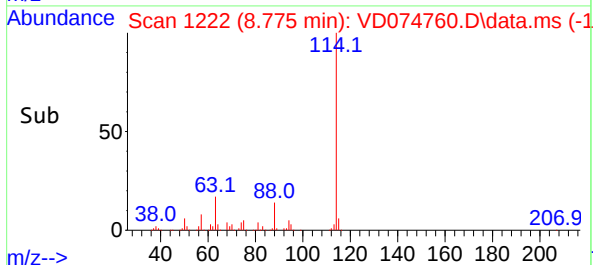
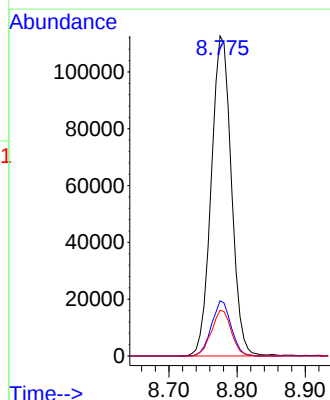
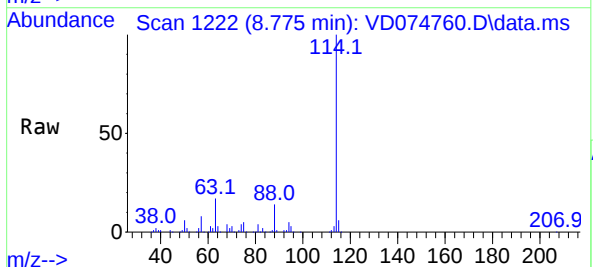
Instrument :
MSVOA_D
ClientSampleId :
SB-1

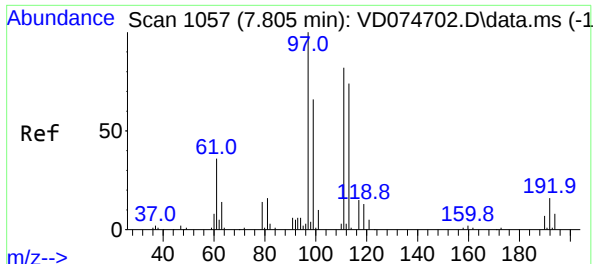
Tgt Ion: 65 Resp: 73581
Ion Ratio Lower Upper
65 100
67 55.5 0.0 110.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 1222
Delta R.T. -0.000 min
Lab File: VD074760.D
Acq: 07 Nov 2022 14:41

Tgt Ion: 114 Resp: 231292
Ion Ratio Lower Upper
114 100
63 17.2 0.0 33.2
88 14.3 0.0 28.2





#35

Dibromofluoromethane

Concen: 76.201 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD074760.D

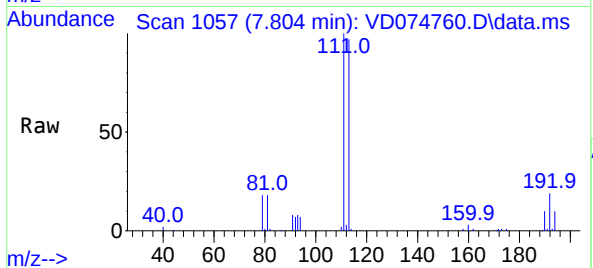
Acq: 07 Nov 2022 14:41

Instrument :

MSVOA_D

ClientSampleId :

SB-1



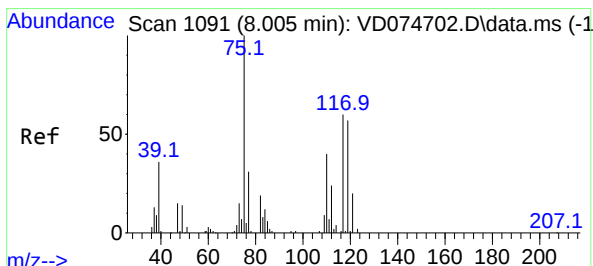
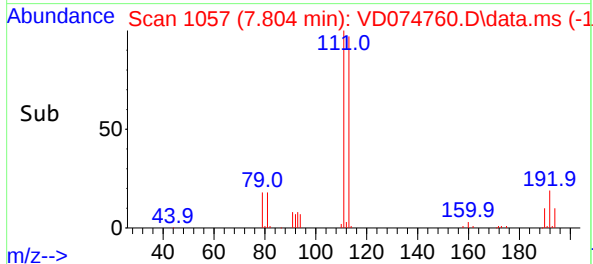
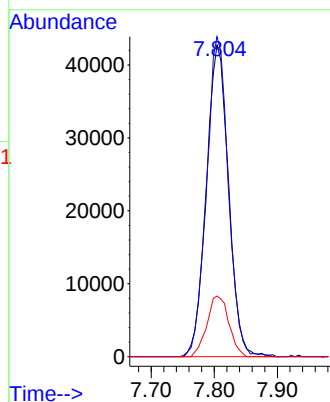
Tgt Ion:113 Resp: 104257

Ion Ratio Lower Upper

113 100

111 101.1 82.3 123.5

192 19.2 16.4 24.6



#36

1,1-Dichloropropene

Concen: 5.071 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.130 min

Lab File: VD074760.D

Acq: 07 Nov 2022 14:41

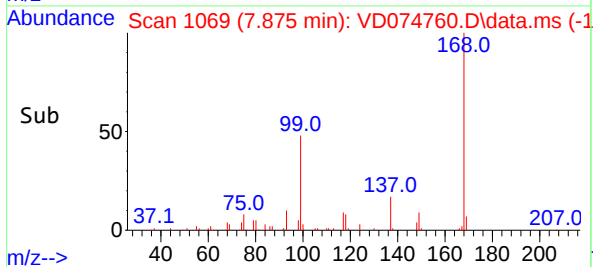
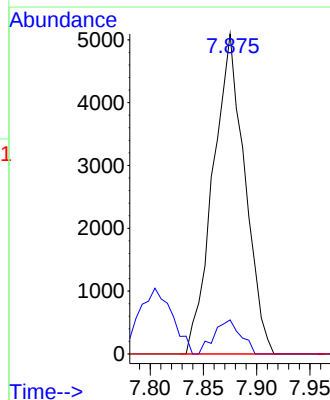
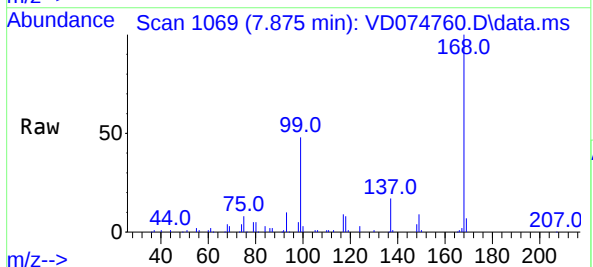
Tgt Ion: 75 Resp: 10531

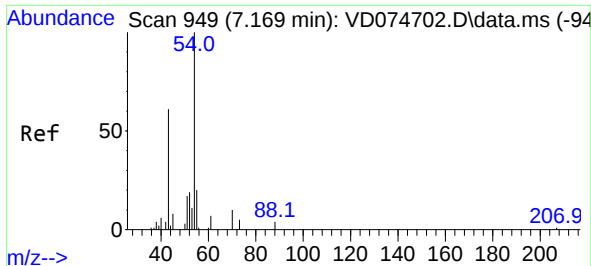
Ion Ratio Lower Upper

75 100

110 8.9 19.7 59.0#

77 0.0 25.4 38.2#





#37

Ethyl Acetate

Concen: 1.718 ug/l

RT: 7.075 min Scan# 91

Delta R.T. -0.094 min

Lab File: VD074760.D

Acq: 07 Nov 2022 14:41

Instrument :

MSVOA_D

ClientSampleId :

SB-1

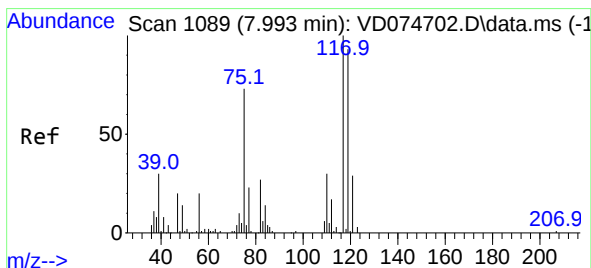
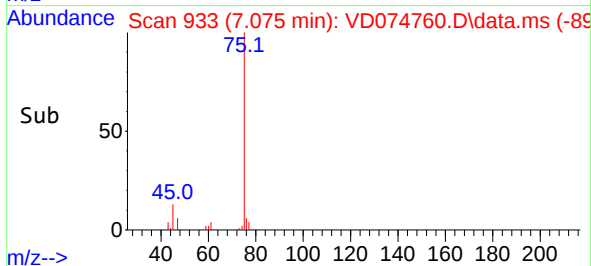
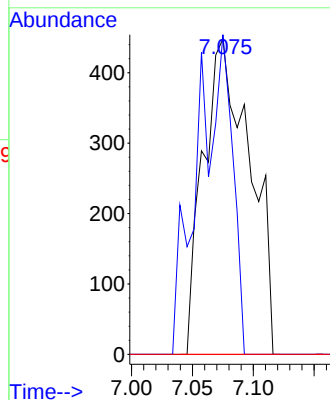
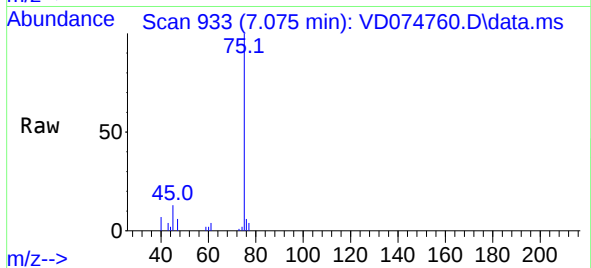
Tgt Ion: 43 Resp: 1190

Ion Ratio Lower Upper

43 100

61 75.5 12.2 18.4#

70 0.0 9.6 14.4#



#38

Carbon Tetrachloride

Concen: 7.057 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD074760.D

Acq: 07 Nov 2022 14:41

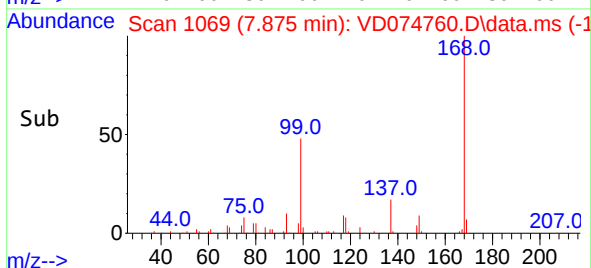
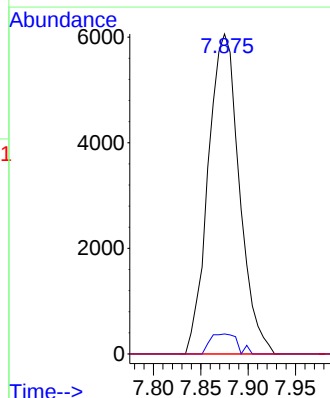
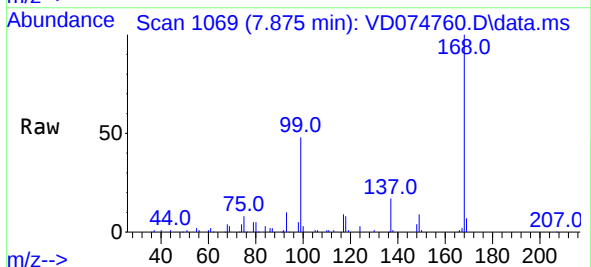
Tgt Ion: 117 Resp: 13885

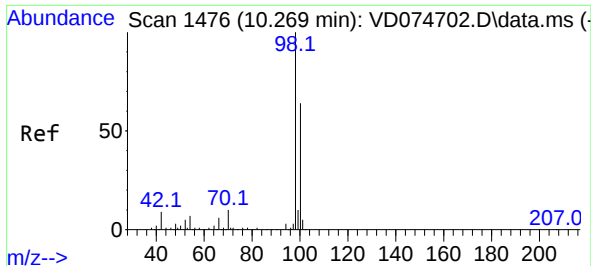
Ion Ratio Lower Upper

117 100

119 6.3 73.1 109.7#

121 0.0 25.0 37.6#

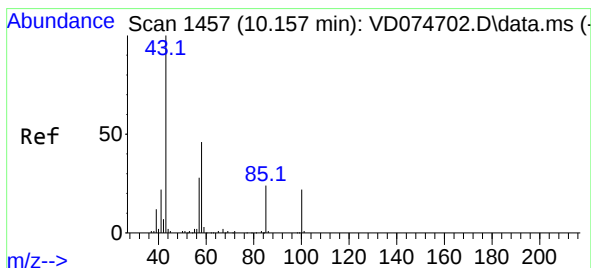
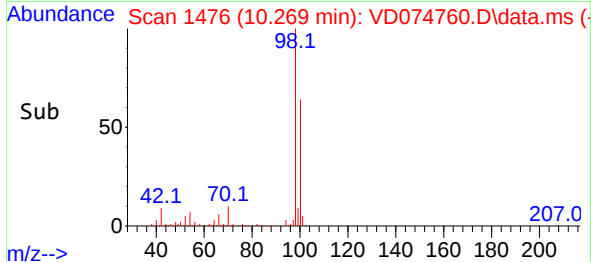
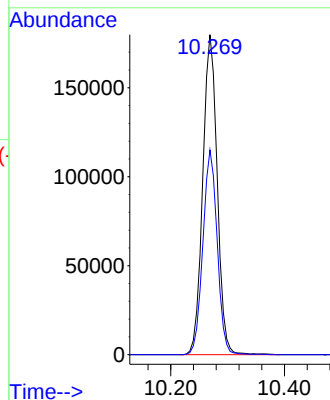
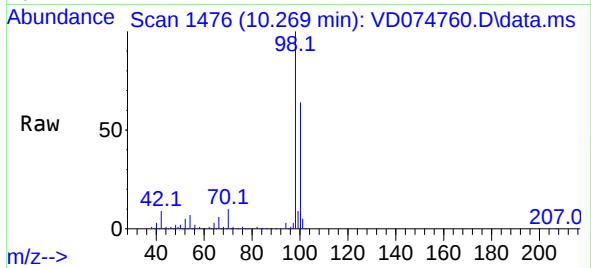




#50
Toluene-d8
Concen: 63.689 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD074760.D
Acq: 07 Nov 2022 14:41

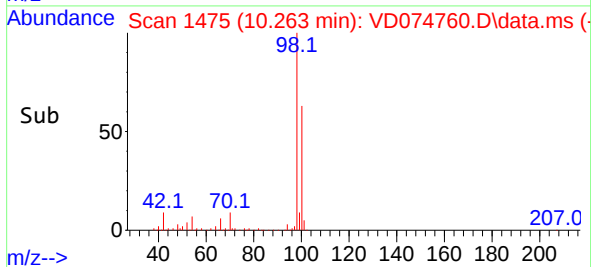
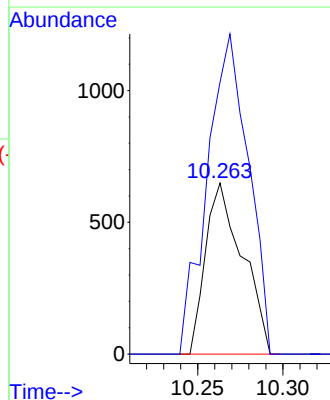
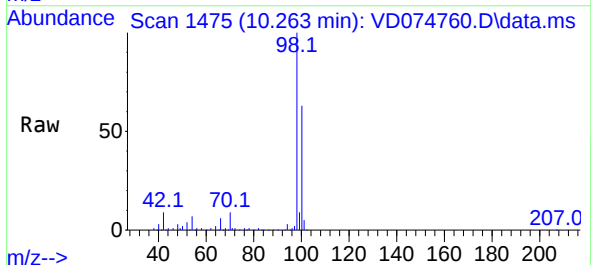
Instrument :
MSVOA_D
ClientSampleId :
SB-1

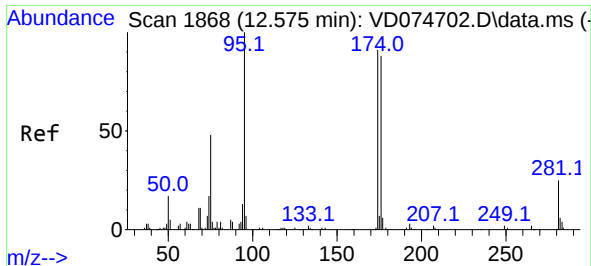
Tgt Ion: 98 Resp: 317856
Ion Ratio Lower Upper
98 100
100 63.2 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.569 ug/l
RT: 10.263 min Scan# 1475
Delta R.T. 0.106 min
Lab File: VD074760.D
Acq: 07 Nov 2022 14:41

Tgt Ion: 43 Resp: 981
Ion Ratio Lower Upper
43 100
58 208.9 37.8 56.6#

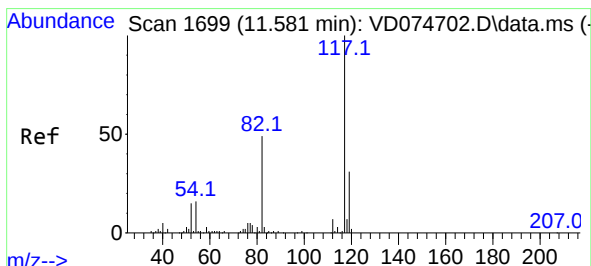
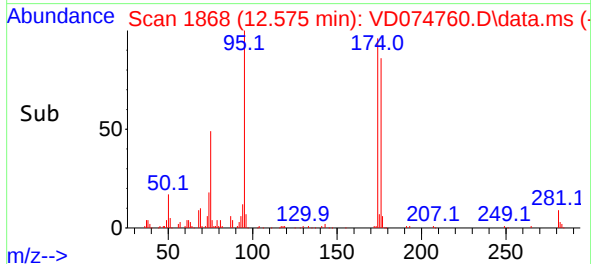
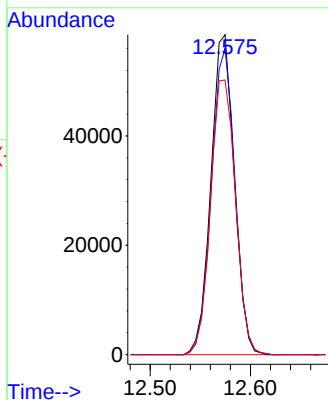
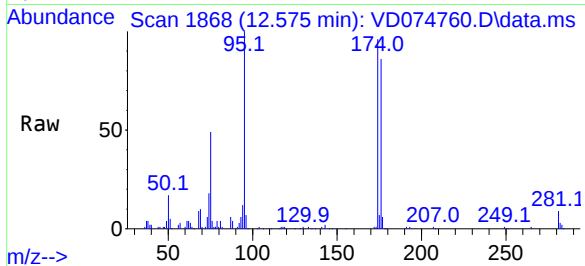




#62
4-Bromofluorobenzene
Concen: 65.944 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD074760.D
Acq: 07 Nov 2022 14:41

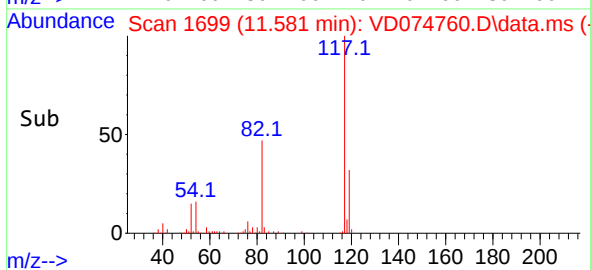
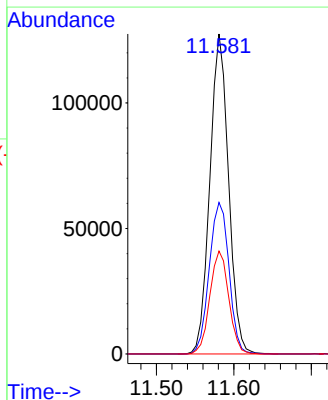
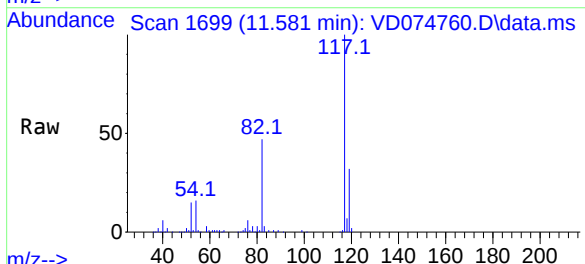
Instrument :
MSVOA_D
ClientSampleId :
SB-1

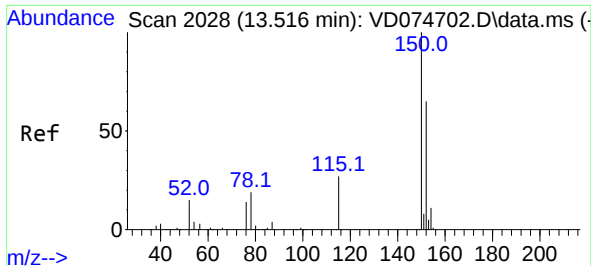
Tgt Ion:	95	Resp:	95024
Ion	Ratio	Lower	Upper
95	100		
174	96.0	0.0	197.0
176	91.2	0.0	182.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD074760.D
Acq: 07 Nov 2022 14:41

Tgt Ion:	117	Resp:	213582
Ion	Ratio	Lower	Upper
117	100		
82	47.4	41.6	62.4
119	32.2	25.2	37.8

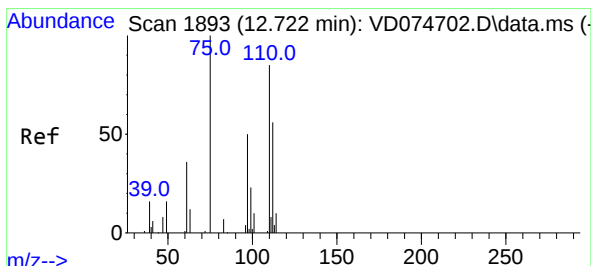
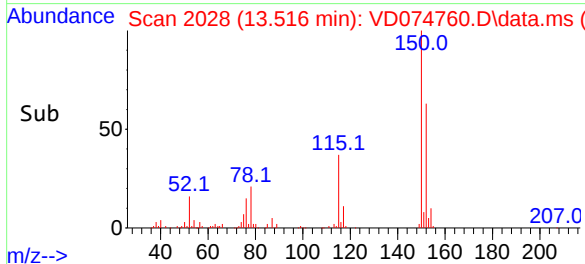
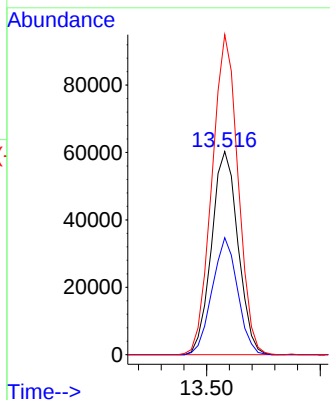
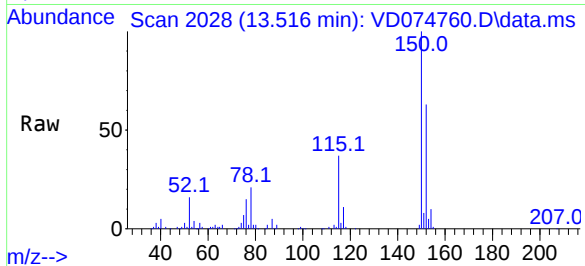




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 20
Delta R.T. -0.000 min
Lab File: VD074760.D
Acq: 07 Nov 2022 14:41

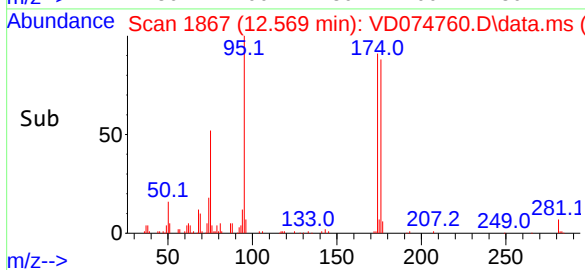
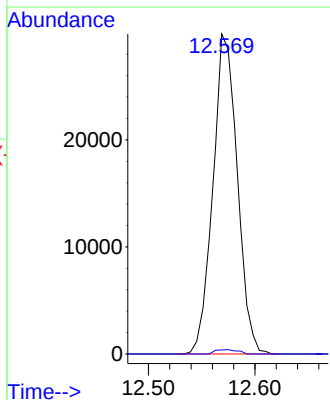
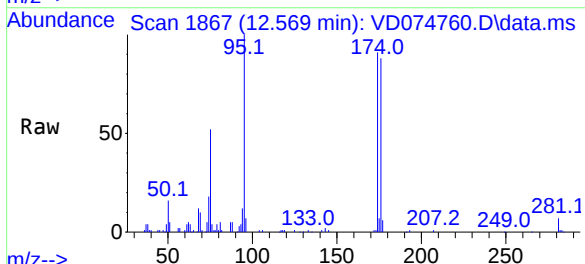
Instrument :
MSVOA_D
ClientSampleId :
SB-1

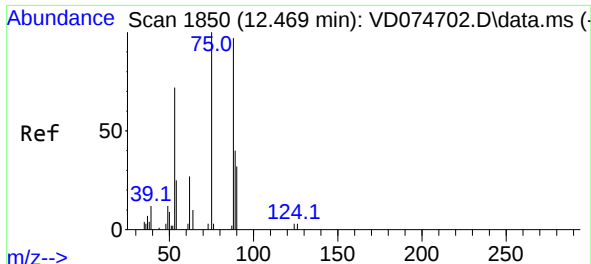
Tgt Ion:152 Resp: 97528
Ion Ratio Lower Upper
152 100
115 55.3 26.8 80.4
150 155.5 0.0 348.2



#76
1,2,3-Trichloropropane
Concen: 62.766 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD074760.D
Acq: 07 Nov 2022 14:41

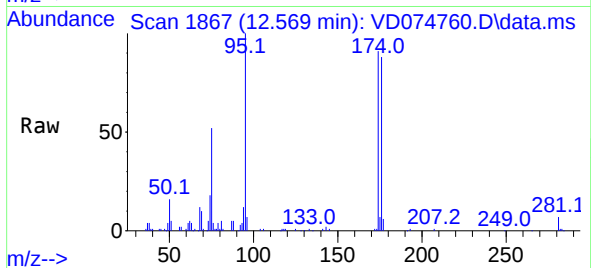
Tgt Ion: 75 Resp: 47454
Ion Ratio Lower Upper
75 100
77 1.2 185.8 557.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 148.992 ug/l
 RT: 12.569 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD074760.D
 Acq: 07 Nov 2022 14:41

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-1



Tgt Ion:	75	Resp:	47454
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.8	95.6#
89	0.0	38.2	57.4#

