

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012722\
 Data File : VD071803.D
 Acq On : 27 Jan 2022 15:54
 Operator : VA/SY
 Sample : N1282-05
 Misc : 5.87G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-3-(15.5-16)

Quant Time: Jan 28 07:22:18 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)

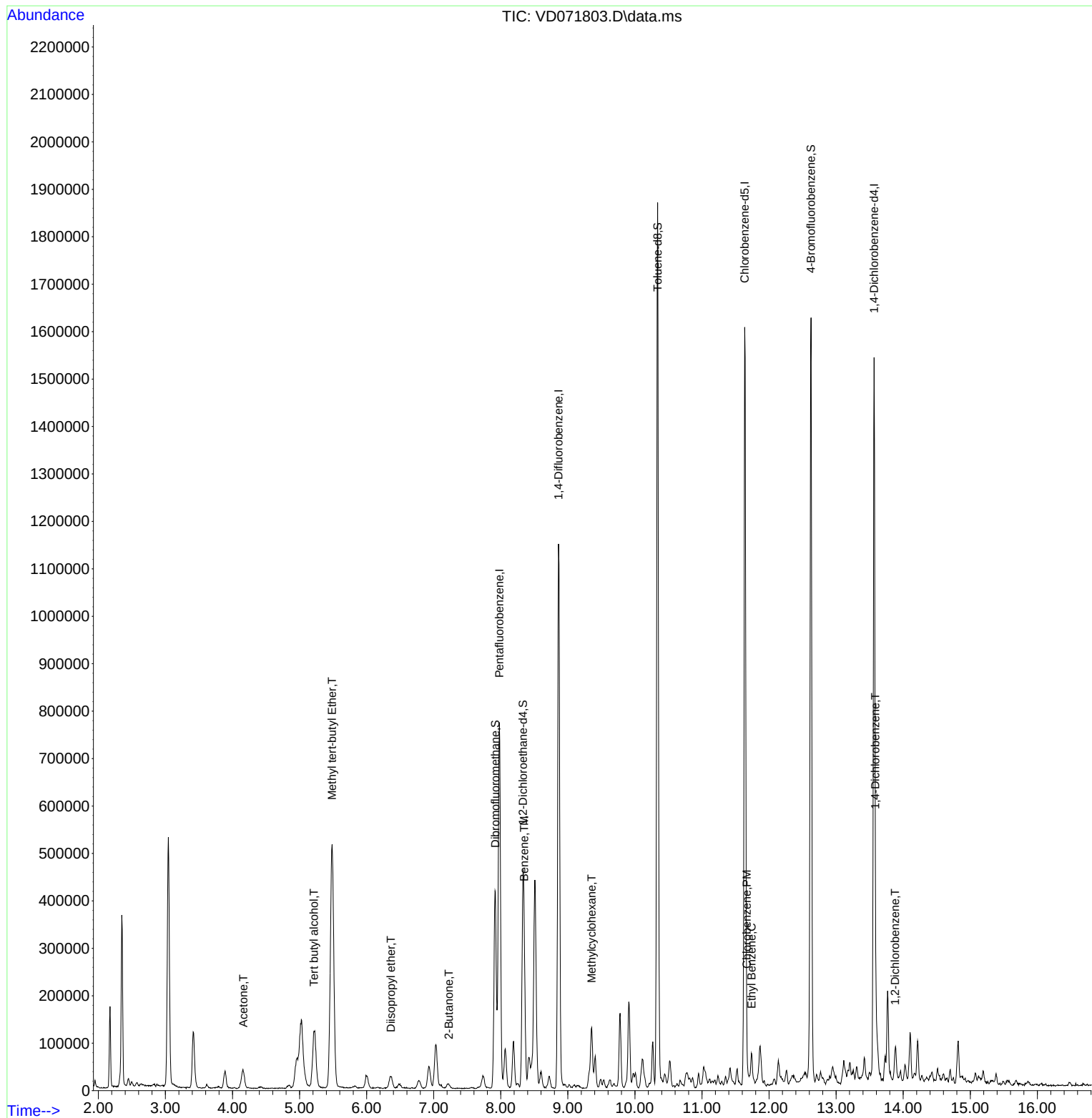
Internal Standards						
1) Pentafluorobenzene	7.979	168	489917	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	925012	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	855318	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	370381	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	308508	49.821	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.640%
35) Dibromofluoromethane	7.920	113	294843	48.491	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.980%
50) Toluene-d8	10.337	98	1180248	51.975	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.940%
62) 4-Bromofluorobenzene	12.625	95	399080	50.325	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	100.660%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.214	59	213208	643.353	ug/l	97
16) Acetone	4.161	43	56017	33.047	ug/l #	87
19) Methyl tert-butyl Ether	5.485	73	668943	51.952	ug/l #	75
22) Diisopropyl ether	6.361	45	22360	1.112	ug/l #	88
25) 2-Butanone	7.226	43	13820	6.994	ug/l	99
39) Methylcyclohexane	9.355	83	32746	2.708	ug/l #	82
40) Benzene	8.349	78	176226	6.256	ug/l	98
65) Chlorobenzene	11.667	112	18920	1.046	ug/l	94
67) Ethyl Benzene	11.737	91	37057	1.113	ug/l	92
88) 1,4-Dichlorobenzene	13.584	146	42096	3.256	ug/l	84
91) 1,2-Dichlorobenzene	13.878	146	19442	1.754	ug/l	93

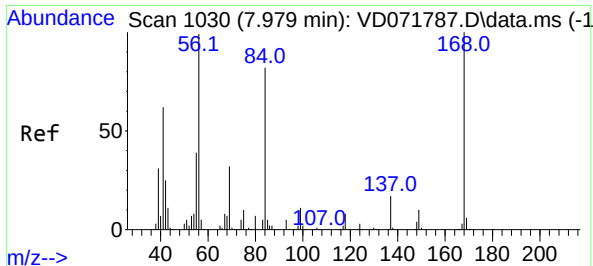
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

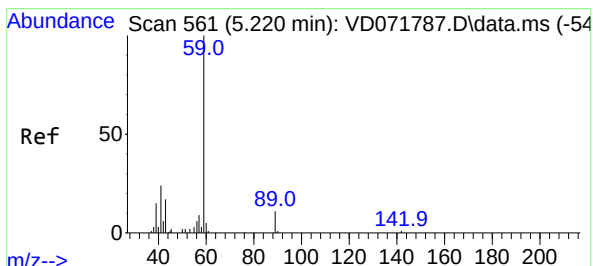
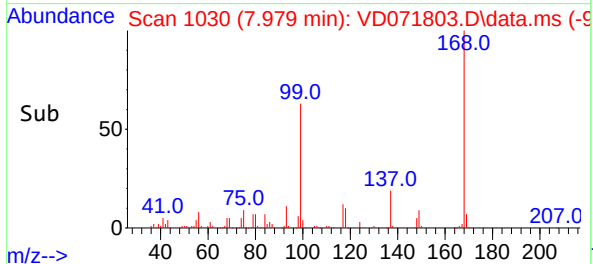
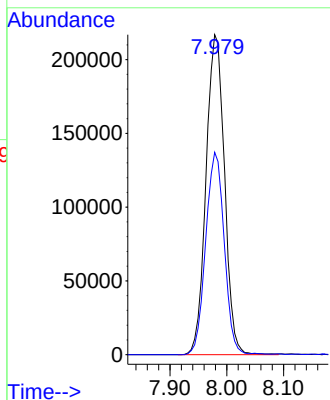
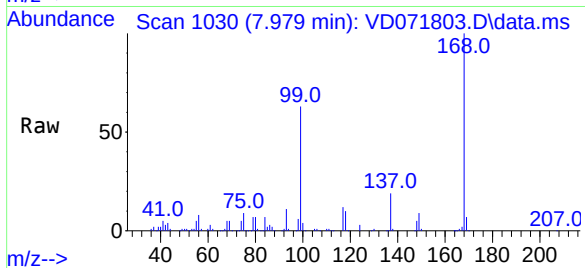




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. -0.000 min
Lab File: VD071803.D
Acq: 27 Jan 2022 15:54

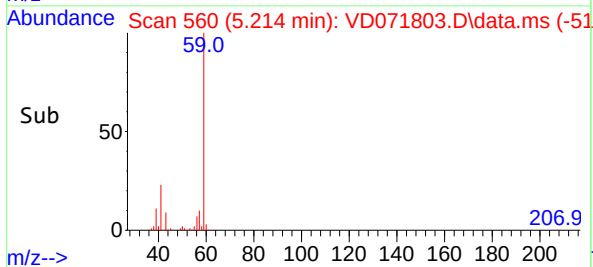
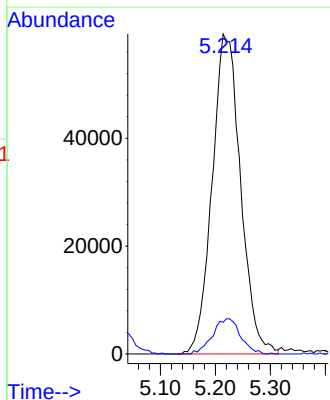
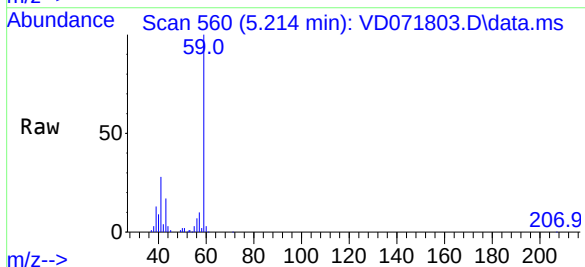
Instrument :
MSVOA_D
ClientSampleId :
B-3-(15.5-16)

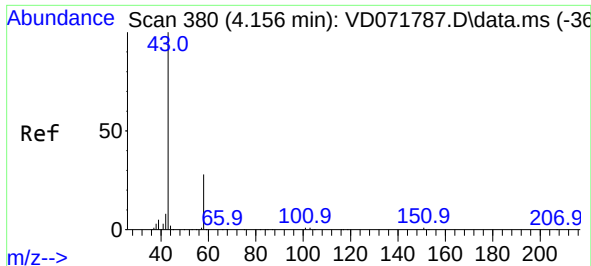
Tgt Ion:168 Resp: 489917
Ion Ratio Lower Upper
168 100
99 63.3 49.8 74.6



#11
Tert butyl alcohol
Concen: 643.353 ug/l
RT: 5.214 min Scan# 560
Delta R.T. -0.006 min
Lab File: VD071803.D
Acq: 27 Jan 2022 15:54

Tgt Ion: 59 Resp: 213208
Ion Ratio Lower Upper
59 100
57 10.8 7.8 11.6

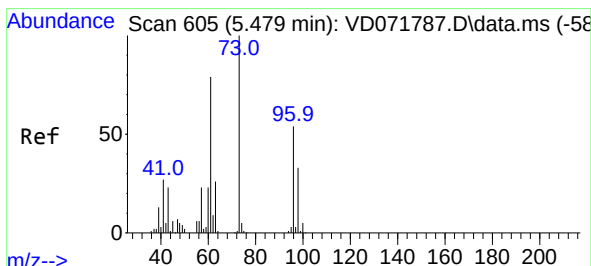
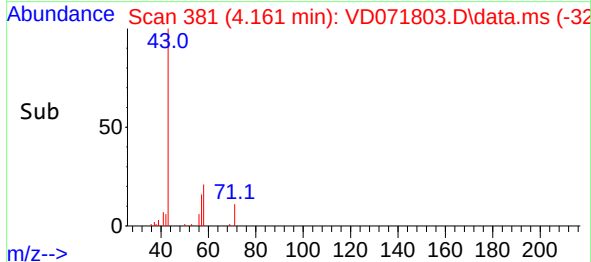
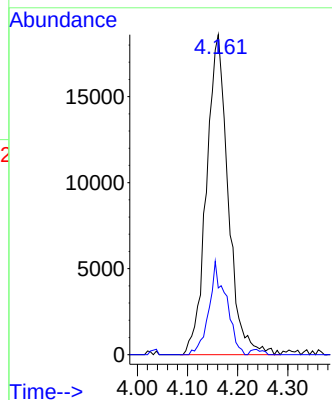
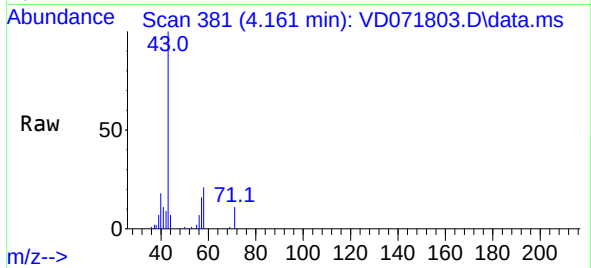




#16
Acetone
Concen: 33.047 ug/l
RT: 4.161 min Scan# 380
Delta R.T. 0.006 min
Lab File: VD071803.D
Acq: 27 Jan 2022 15:54

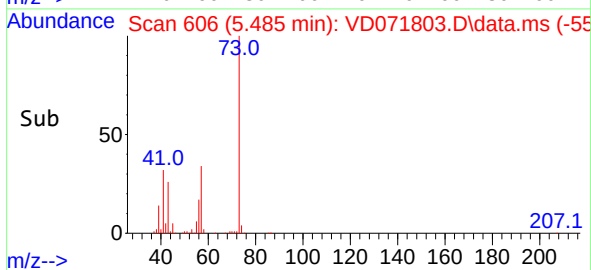
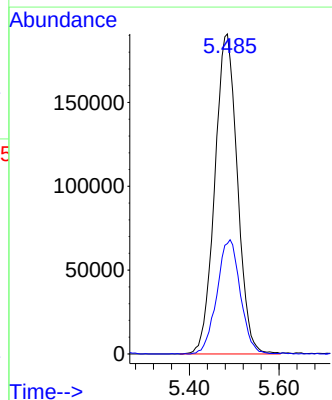
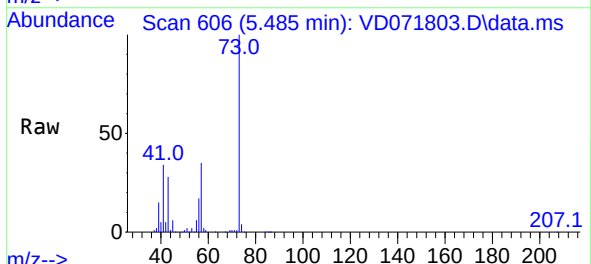
Instrument :
MSVOA_D
ClientSampleId :
B-3-(15.5-16)

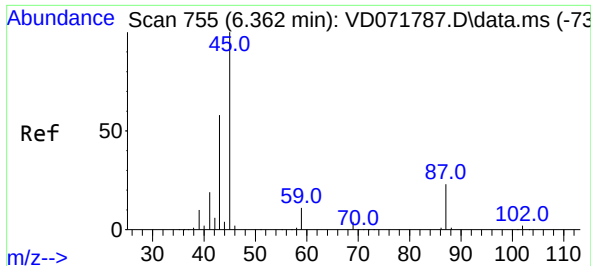
Tgt Ion: 43 Resp: 56017
Ion Ratio Lower Upper
43 100
58 20.8 22.1 33.1#



#19
Methyl tert-butyl Ether
Concen: 51.952 ug/l
RT: 5.485 min Scan# 606
Delta R.T. 0.005 min
Lab File: VD071803.D
Acq: 27 Jan 2022 15:54

Tgt Ion: 73 Resp: 668943
Ion Ratio Lower Upper
73 100
57 34.5 18.0 27.0#

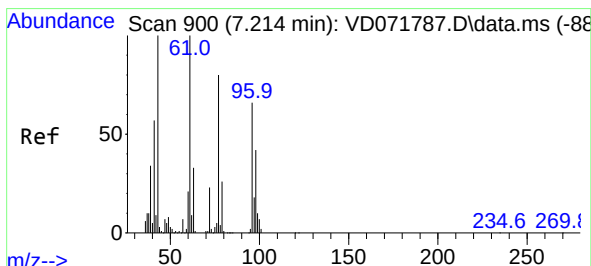
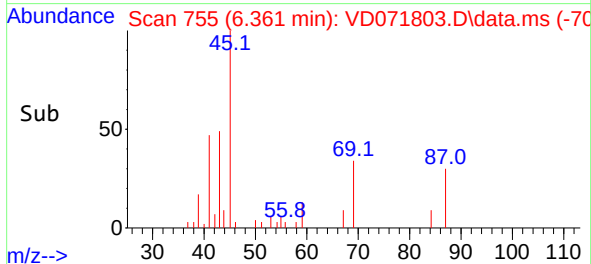
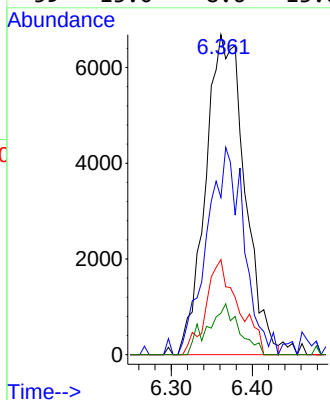
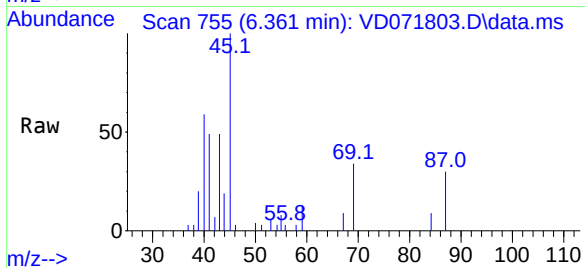




#22
Diisopropyl ether
Concen: 1.112 ug/l
RT: 6.361 min Scan# 715
Delta R.T. -0.000 min
Lab File: VD071803.D
Acq: 27 Jan 2022 15:54

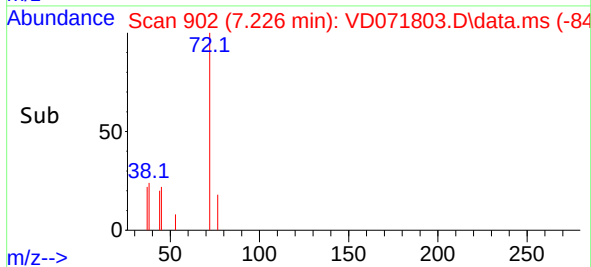
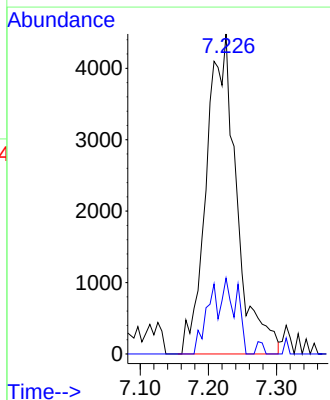
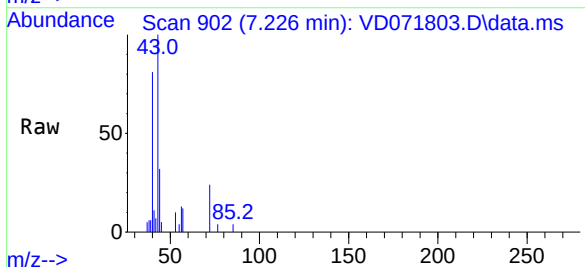
Instrument :
MSVOA_D
ClientSampleId :
B-3-(15.5-16)

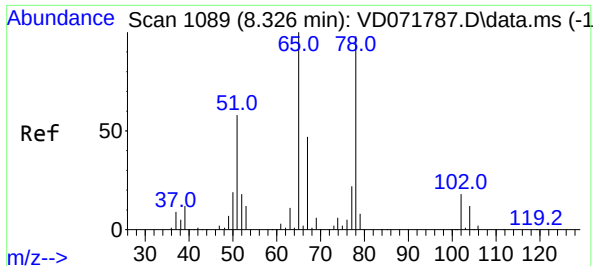
Tgt Ion:	45	Resp:	22360
Ion	Ratio	Lower	Upper
45	100		
43	49.1	46.6	70.0
87	29.7	18.4	27.6#
59	13.0	8.6	13.0#



#25
2-Butanone
Concen: 6.994 ug/l
RT: 7.226 min Scan# 902
Delta R.T. 0.011 min
Lab File: VD071803.D
Acq: 27 Jan 2022 15:54

Tgt Ion:	43	Resp:	13820
Ion	Ratio	Lower	Upper
43	100		
72	23.7	18.6	27.8





#33

1,2-Dichloroethane-d4

Concen: 49.821 ug/l

RT: 8.332 min Scan# 1089

Delta R.T. 0.005 min

Lab File: VD071803.D

Acq: 27 Jan 2022 15:54

Instrument :

MSVOA_D

ClientSampleId :

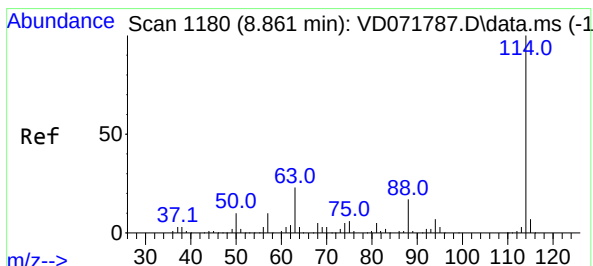
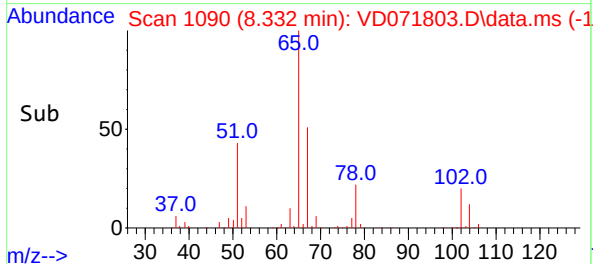
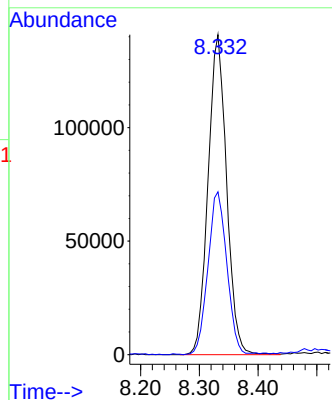
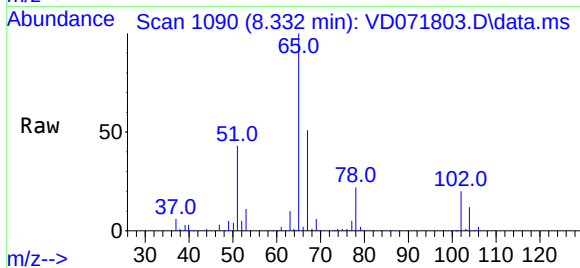
B-3-(15.5-16)

Tgt Ion: 65 Resp: 308508

Ion Ratio Lower Upper

65 100

67 51.9 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: VD071803.D

Acq: 27 Jan 2022 15:54

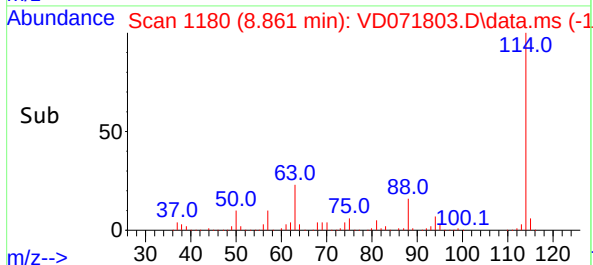
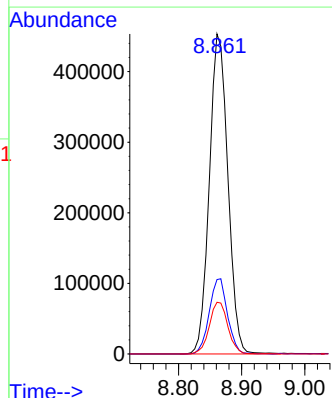
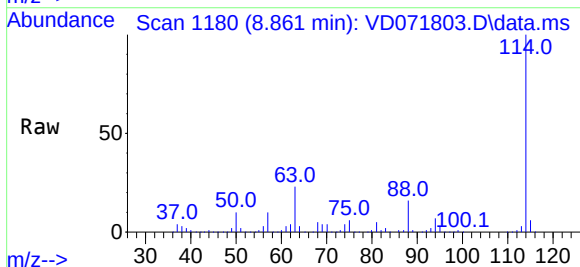
Tgt Ion: 114 Resp: 925012

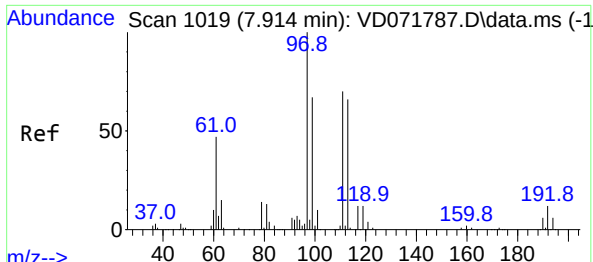
Ion Ratio Lower Upper

114 100

63 23.3 0.0 46.6

88 16.1 0.0 33.2

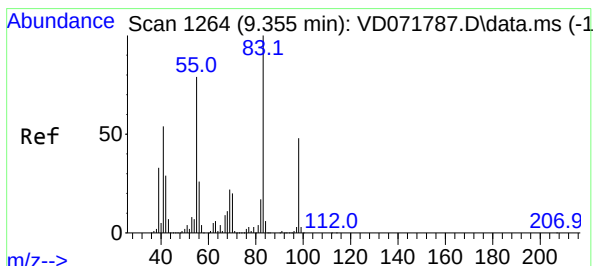
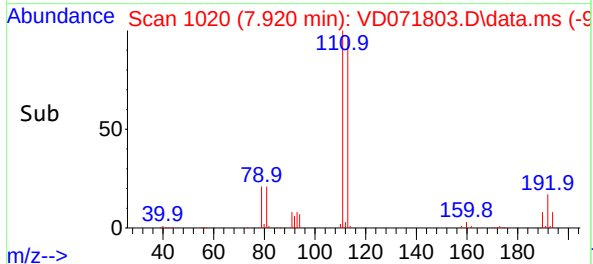
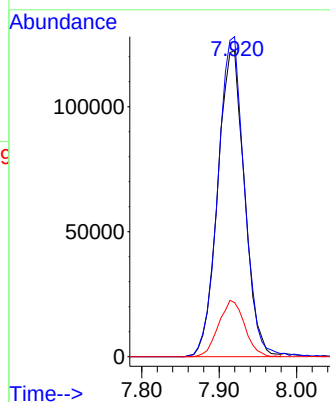
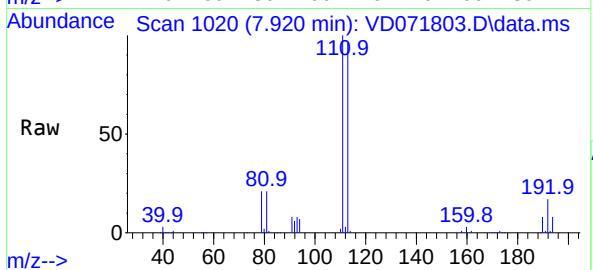




#35
Dibromofluoromethane
Concen: 48.491 ug/l
RT: 7.920 min Scan# 110
Delta R.T. 0.005 min
Lab File: VD071803.D
Acq: 27 Jan 2022 15:54

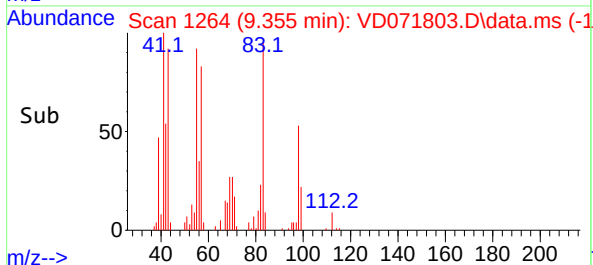
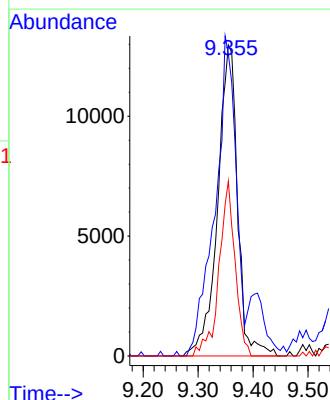
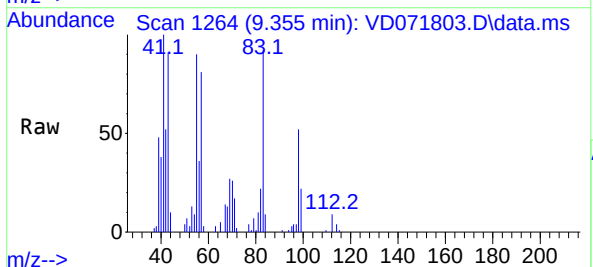
Instrument :
MSVOA_D
ClientSampleId :
B-3-(15.5-16)

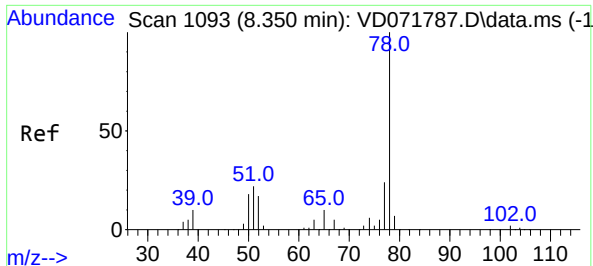
Tgt Ion:113 Resp: 294843
Ion Ratio Lower Upper
113 100
111 103.3 83.8 125.6
192 17.9 14.6 21.8



#39
Methylcyclohexane
Concen: 2.708 ug/l
RT: 9.355 min Scan# 1264
Delta R.T. -0.000 min
Lab File: VD071803.D
Acq: 27 Jan 2022 15:54

Tgt Ion: 83 Resp: 32746
Ion Ratio Lower Upper
83 100
55 97.1 63.2 94.8#
98 56.3 38.2 57.4

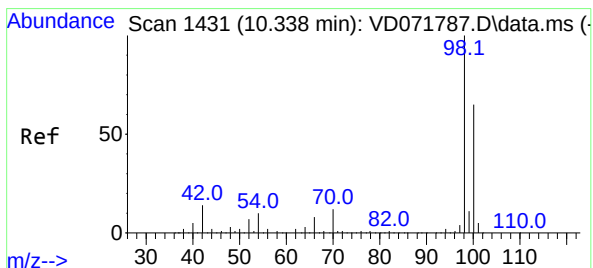
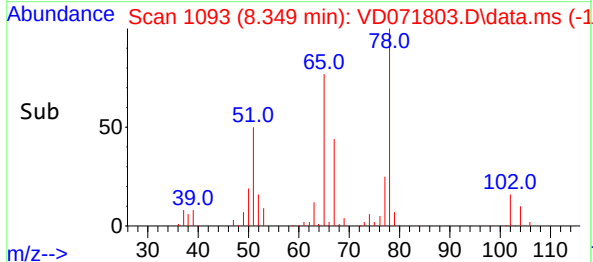
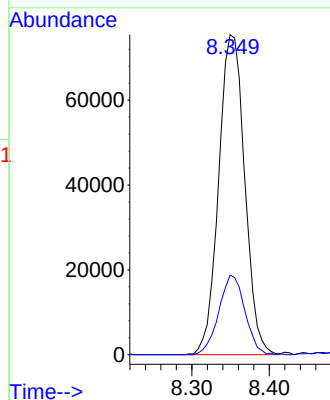
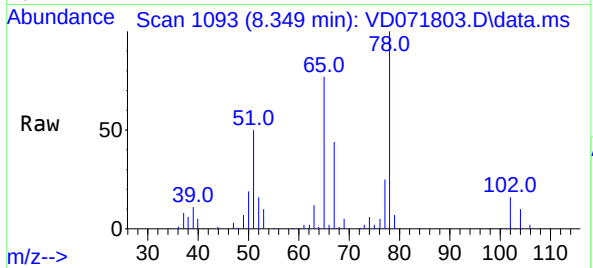




#40
Benzene
Concen: 6.256 ug/l
RT: 8.349 min Scan# 1093
Delta R.T. -0.000 min
Lab File: VD071803.D
Acq: 27 Jan 2022 15:54

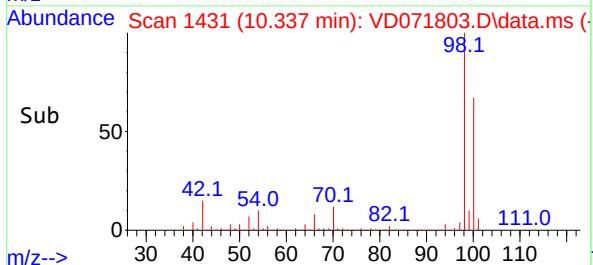
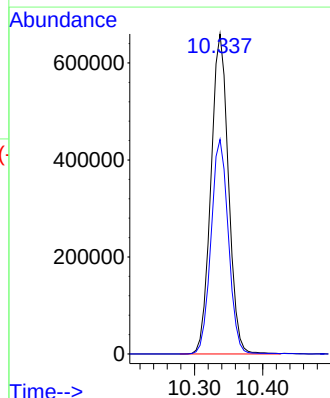
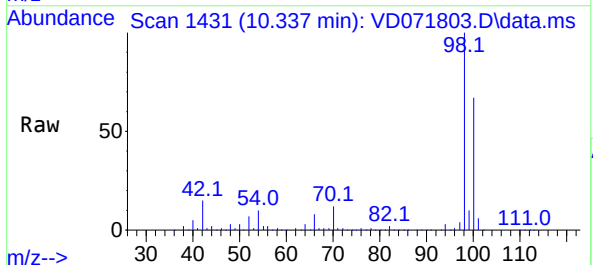
Instrument :
MSVOA_D
ClientSampleId :
B-3-(15.5-16)

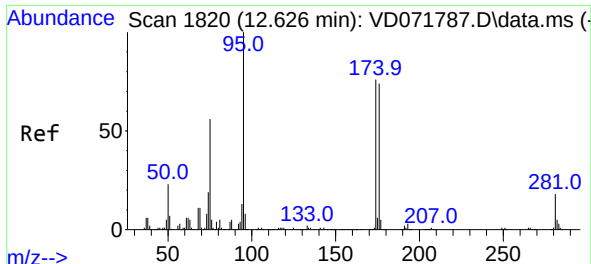
Tgt Ion: 78 Resp: 176226
Ion Ratio Lower Upper
78 100
77 24.9 19.1 28.7



#50
Toluene-d8
Concen: 51.975 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071803.D
Acq: 27 Jan 2022 15:54

Tgt Ion: 98 Resp: 1180248
Ion Ratio Lower Upper
98 100
100 66.3 52.4 78.6

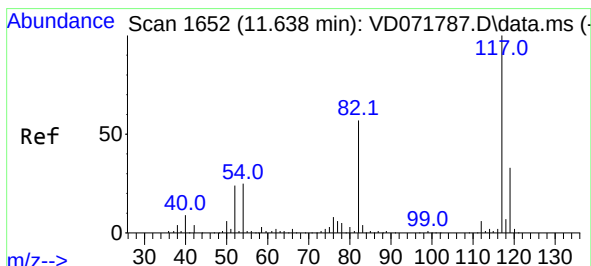
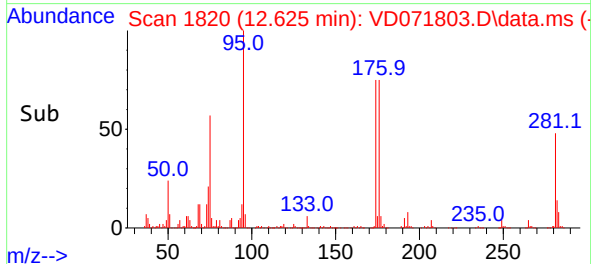
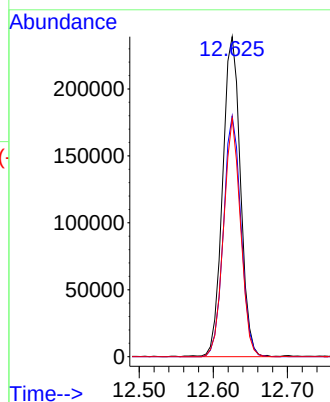
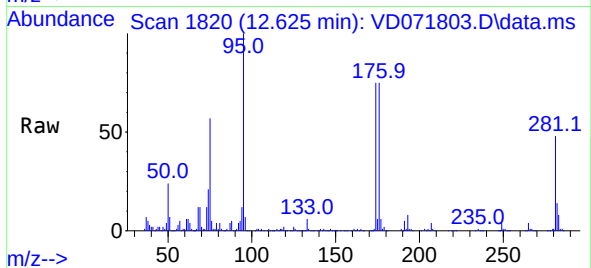




#62
4-Bromofluorobenzene
Concen: 50.325 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071803.D
Acq: 27 Jan 2022 15:54

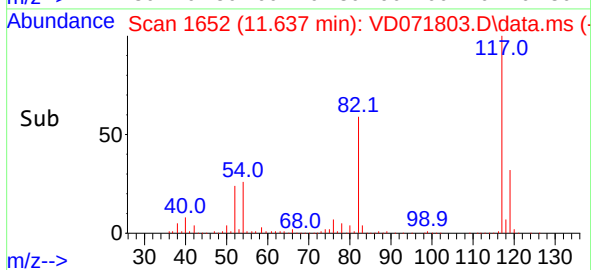
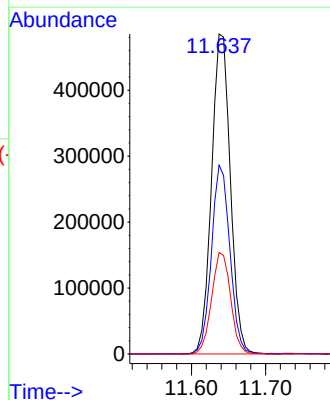
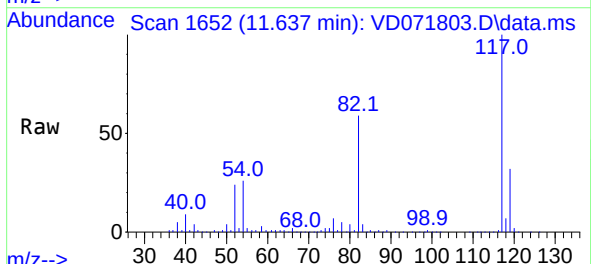
Instrument :
MSVOA_D
ClientSampleId :
B-3-(15.5-16)

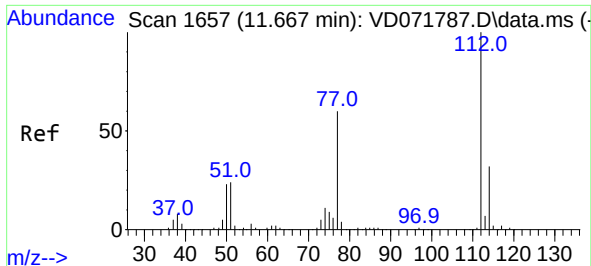
Tgt Ion: 95 Resp: 399080
Ion Ratio Lower Upper
95 100
174 73.6 0.0 152.8
176 70.6 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071803.D
Acq: 27 Jan 2022 15:54

Tgt Ion: 117 Resp: 855318
Ion Ratio Lower Upper
117 100
82 58.9 45.3 67.9
119 31.7 26.6 40.0

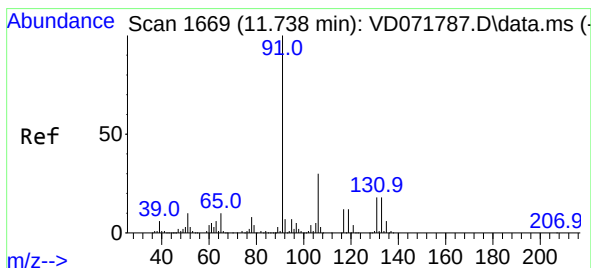
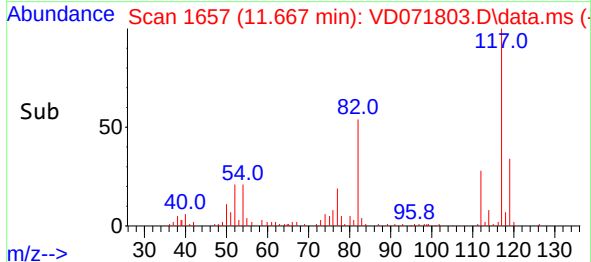
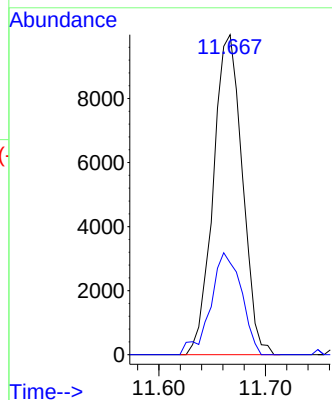
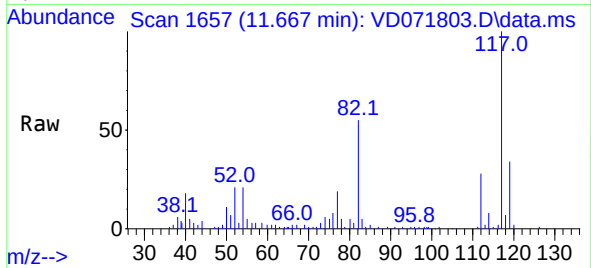




#65
Chlorobenzene
Concen: 1.046 ug/l
RT: 11.667 min Scan# 1657
Delta R.T. -0.000 min
Lab File: VD071803.D
Acq: 27 Jan 2022 15:54

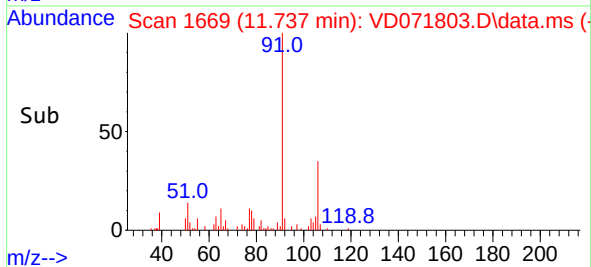
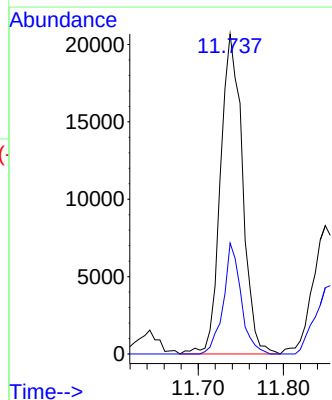
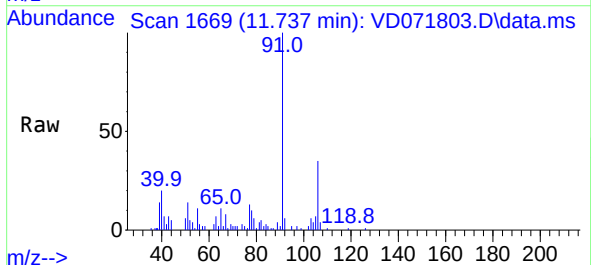
Instrument :
MSVOA_D
ClientSampleId :
B-3-(15.5-16)

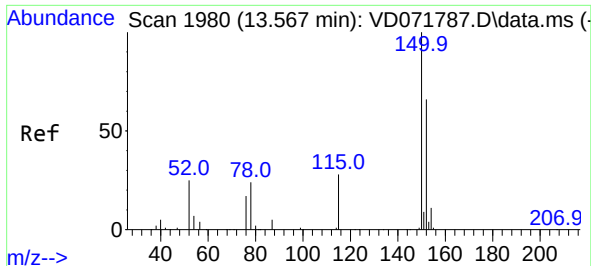
Tgt Ion:112 Resp: 18920
Ion Ratio Lower Upper
112 100
114 28.7 25.8 38.6



#67
Ethyl Benzene
Concen: 1.113 ug/l
RT: 11.737 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VD071803.D
Acq: 27 Jan 2022 15:54

Tgt Ion: 91 Resp: 37057
Ion Ratio Lower Upper
91 100
106 34.7 24.2 36.4

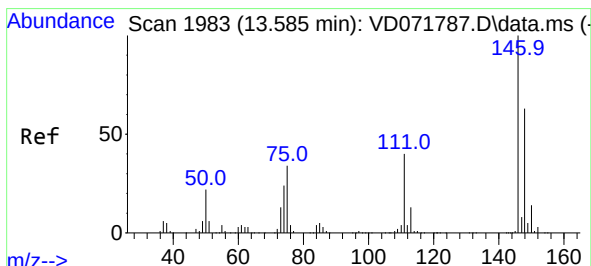
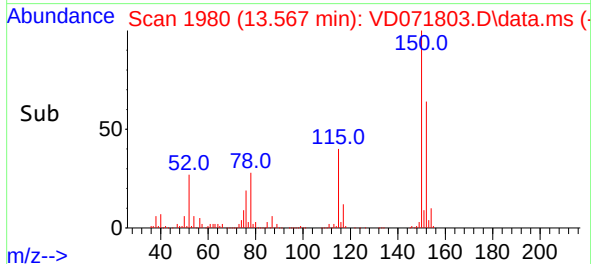
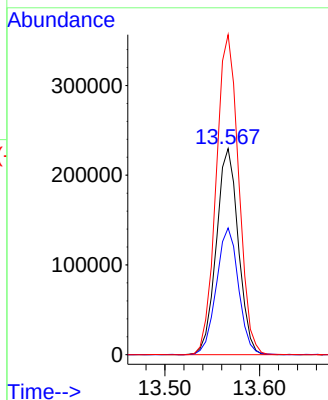
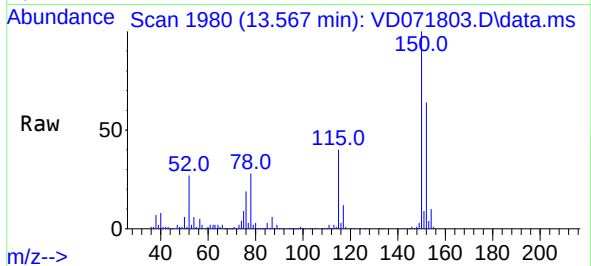




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071803.D
Acq: 27 Jan 2022 15:54

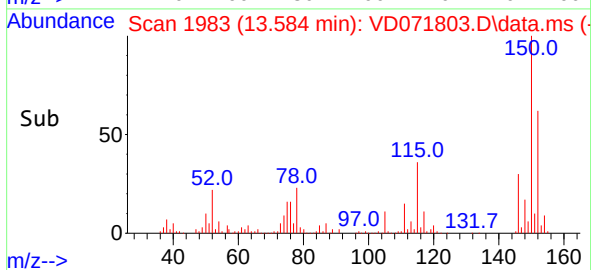
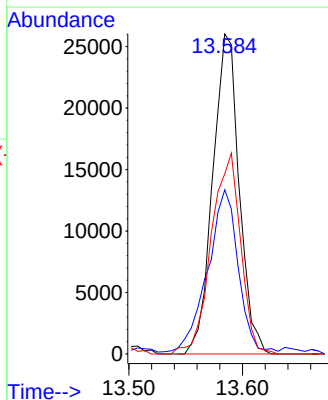
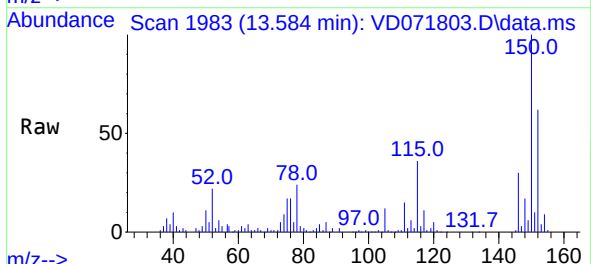
Instrument :
MSVOA_D
ClientSampleId :
B-3-(15.5-16)

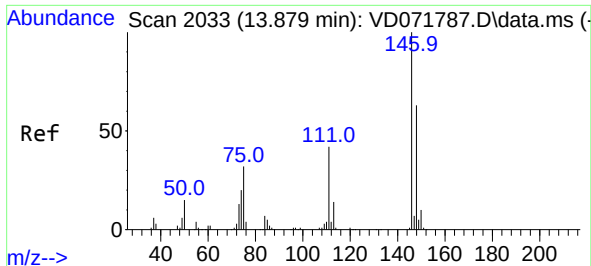
Tgt Ion:152 Resp: 370381
Ion Ratio Lower Upper
152 100
115 62.2 31.3 93.8
150 159.0 0.0 348.6



#88
1,4-Dichlorobenzene
Concen: 3.256 ug/l
RT: 13.584 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VD071803.D
Acq: 27 Jan 2022 15:54

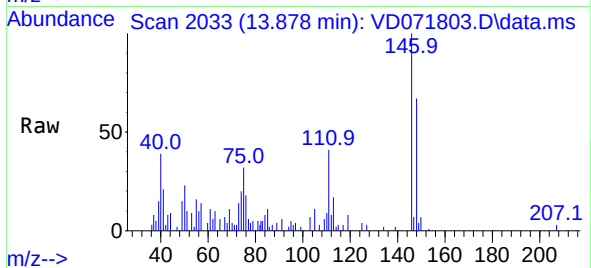
Tgt Ion:146 Resp: 42096
Ion Ratio Lower Upper
146 100
111 59.0 20.3 60.9
148 69.6 31.7 95.1





#91
 1,2-Dichlorobenzene
 Concen: 1.754 ug/l
 RT: 13.878 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VD071803.D
 Acq: 27 Jan 2022 15:54

Instrument :
 MSVOA_D
 ClientSampleId :
 B-3-(15.5-16)



Tgt Ion:	146	Resp:	19442
Ion	Ratio	Lower	Upper
146	100		
111	53.8	21.1	63.3
148	63.4	31.7	95.1

