

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082521\
 Data File : VD070259.D
 Acq On : 25 Aug 2021 19:00
 Operator : VA/SY
 Sample : M3543-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP

Quant Time: Aug 26 02:46:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081321S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 14 02:33:51 2021
 Response via : Initial Calibration

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

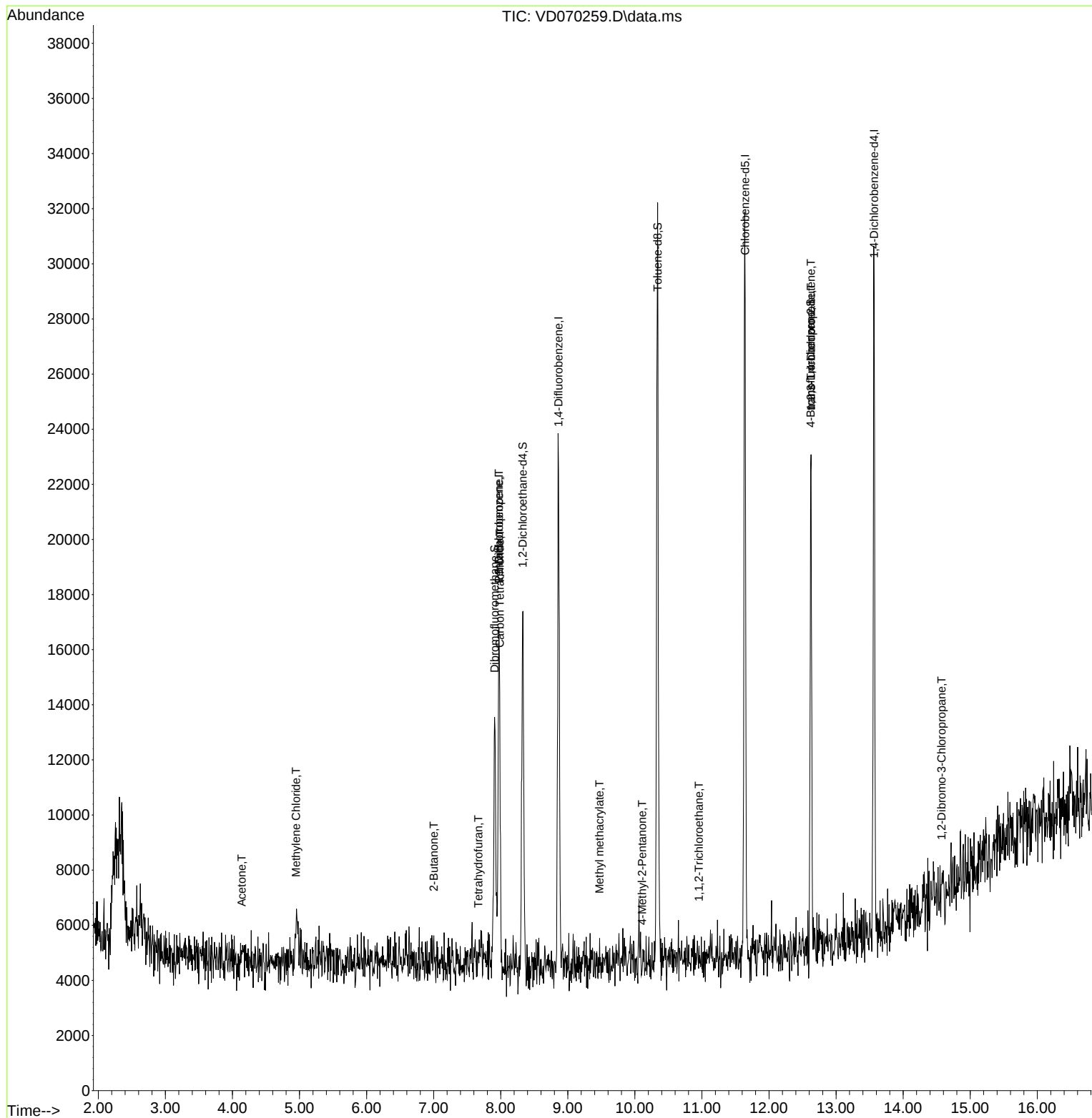
Internal Standards						
1) Pentafluorobenzene	7.973	168	8480	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	15521	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	16127	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	6942	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	10033	100.593	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 201.180%#	
35) Dibromofluoromethane	7.908	113	6066	60.493	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 120.980%	
50) Toluene-d8	10.338	98	19602	50.259	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.520%	
62) 4-Bromofluorobenzene	12.620	95	6427	50.031	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 100.060%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.215	50	78	Below Cal	#	1
16) Acetone	4.138	43	107	5.824	ug/l #	41
20) Methylene Chloride	4.950	84	1427	3.877	ug/l #	49
25) 2-Butanone	7.003	43	69	2.748	ug/l #	44
29) Tetrahydrofuran	7.667	42	57	3.467	ug/l #	32
36) 1,1-Dichloropropene	7.973	75	799	4.785	ug/l #	42
38) Carbon Tetrachloride	7.985	117	1304	8.602	ug/l #	10
48) Methyl methacrylate	9.473	41	62	1.148	ug/l #	12
51) 4-Methyl-2-Pentanone	10.108	43	68	1.155	ug/l #	33
55) 1,1,2-Trichloroethane	10.955	97	98	1.132	ug/l #	15
76) 1,2,3-Trichloropropane	12.626	75	3290	46.732	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	3290	121.299	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.573	75	57	3.778	ug/l #	8

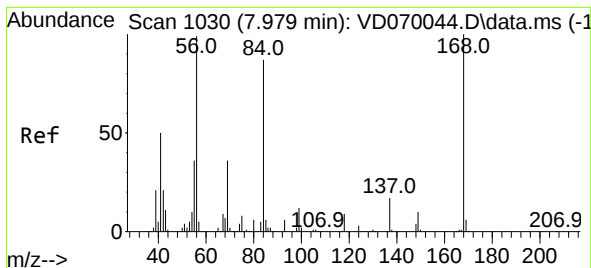
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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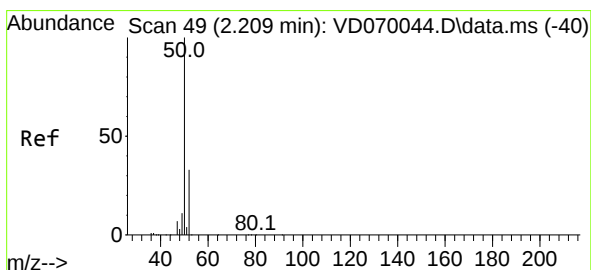
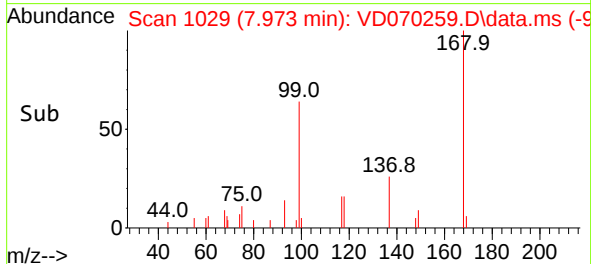
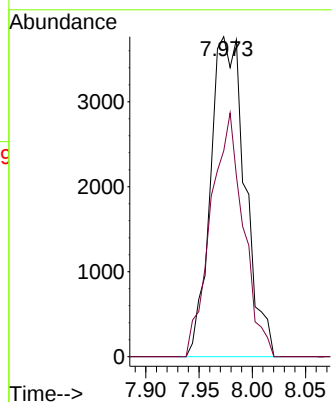
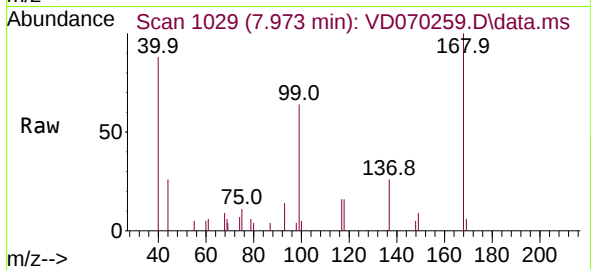




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070259.D
Acq: 25 Aug 2021 19:00

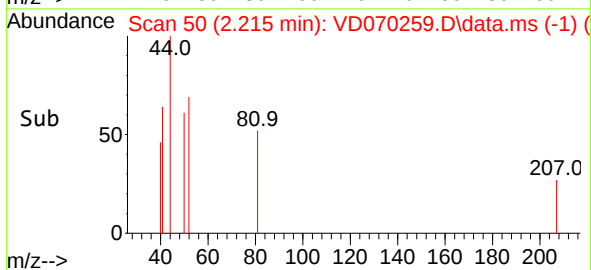
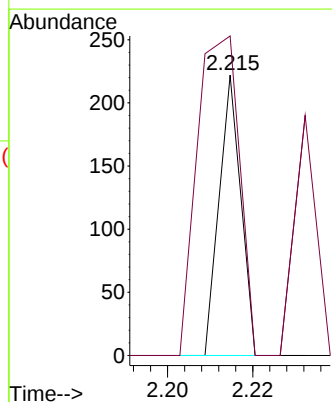
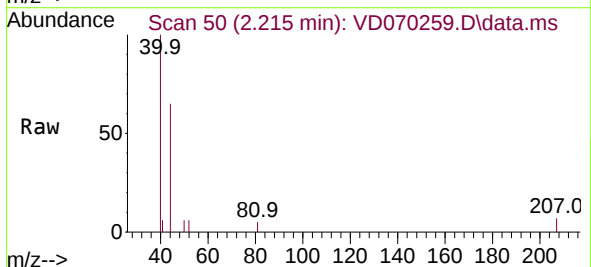
Instrument :
MSVOA_D
ClientSampleId :
SP

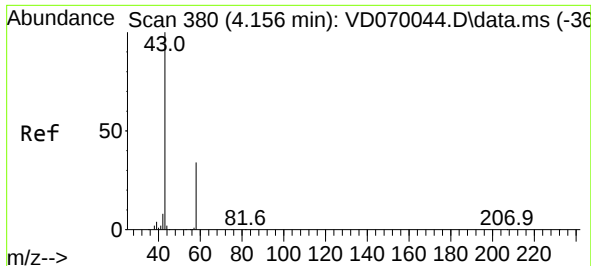
Tgt Ion:168 Resp: 8480
Ion Ratio Lower Upper
168 100
99 64.3 50.3 75.5



#3
Chloromethane
Concen: Below Cal
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD070259.D
Acq: 25 Aug 2021 19:00

Tgt Ion: 50 Resp: 78
Ion Ratio Lower Upper
50 100
52 114.0 26.3 39.5#

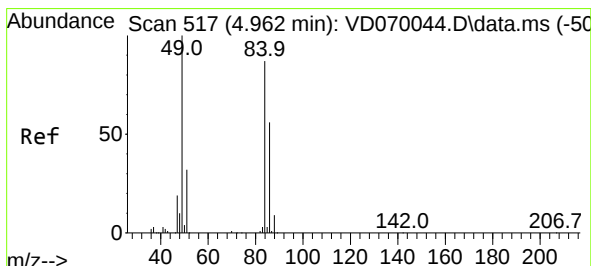
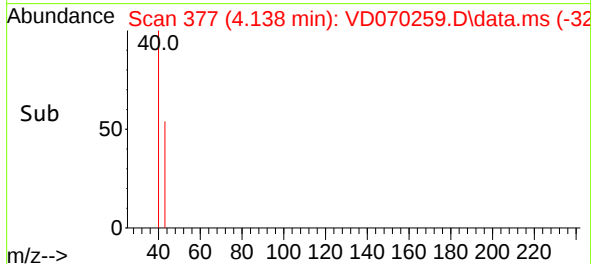
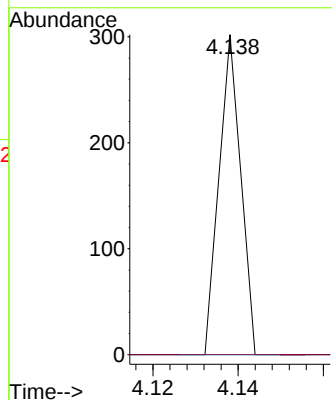
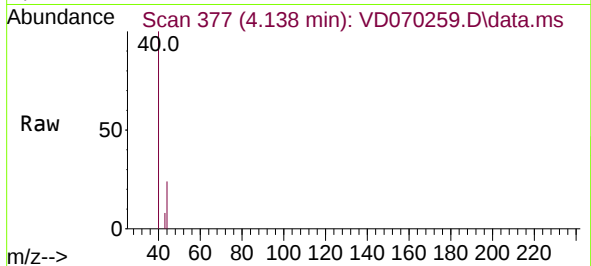




#16
Acetone
Concen: 5.824 ug/l
RT: 4.138 min Scan# 377
Delta R.T. -0.018 min
Lab File: VD070259.D
Acq: 25 Aug 2021 19:00

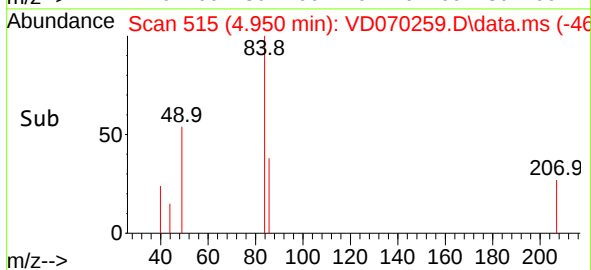
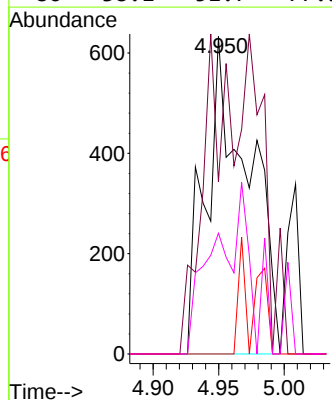
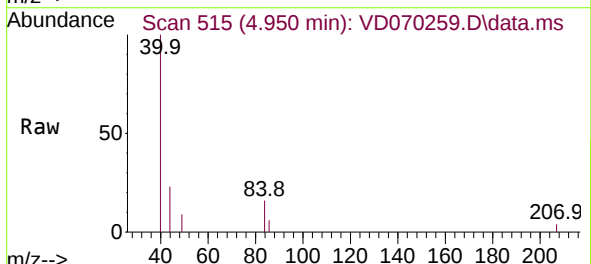
Instrument :
MSVOA_D
ClientSampled :
SP

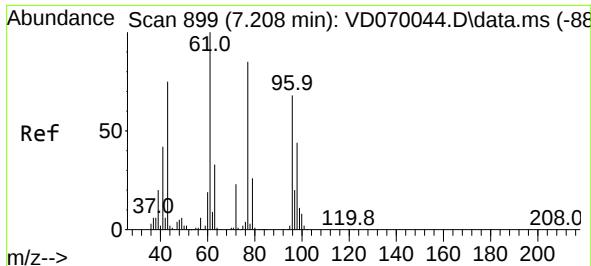
Tgt Ion: 43 Resp: 107
Ion Ratio Lower Upper
43 100
58 0.0 26.8 40.2#



#20
Methylene Chloride
Concen: 3.877 ug/l
RT: 4.950 min Scan# 515
Delta R.T. -0.012 min
Lab File: VD070259.D
Acq: 25 Aug 2021 19:00

Tgt Ion: 84 Resp: 1427
Ion Ratio Lower Upper
84 100
49 54.2 92.5 138.7#
51 0.0 29.7 44.5#
86 38.1 51.7 77.5#

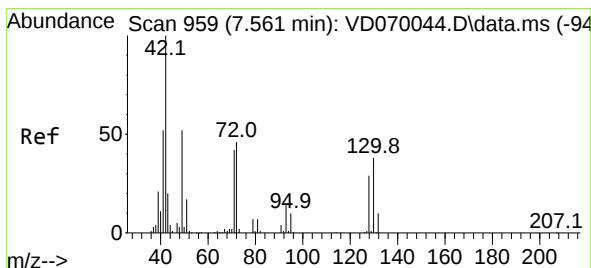
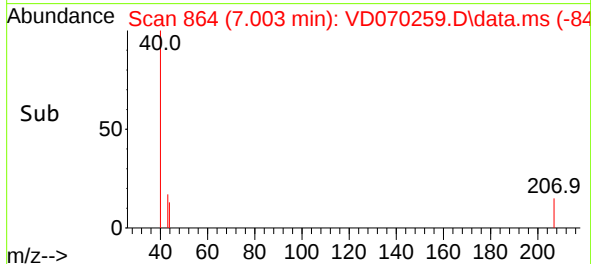
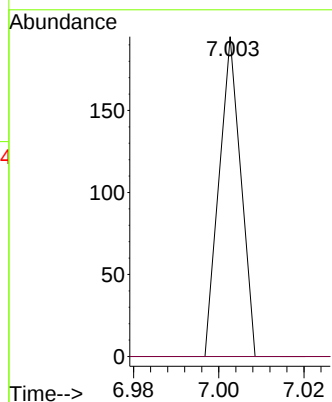
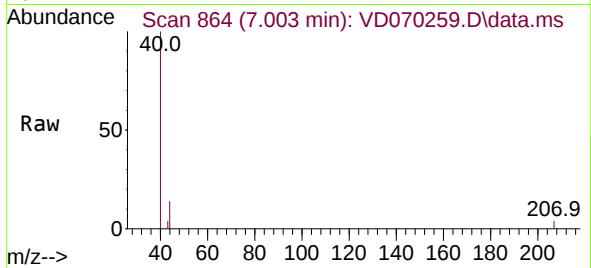




#25
2-Butanone
Concen: 2.748 ug/l
RT: 7.003 min Scan# 864
Delta R.T. -0.206 min
Lab File: VD070259.D
Acq: 25 Aug 2021 19:00

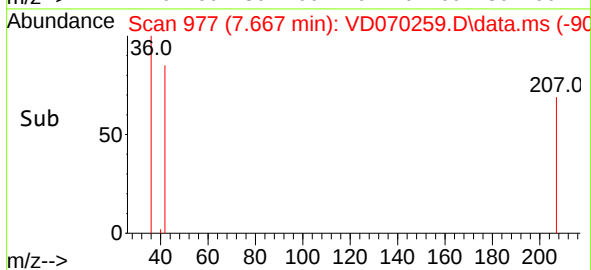
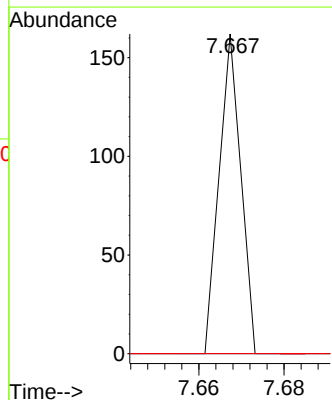
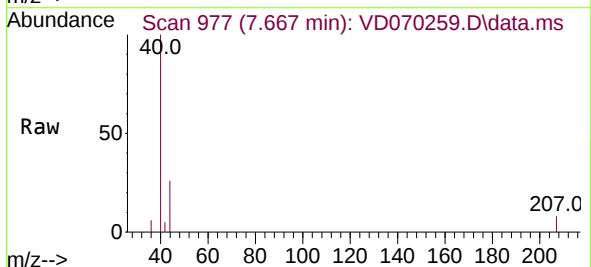
Instrument :
MSVOA_D
ClientSampled :
SP

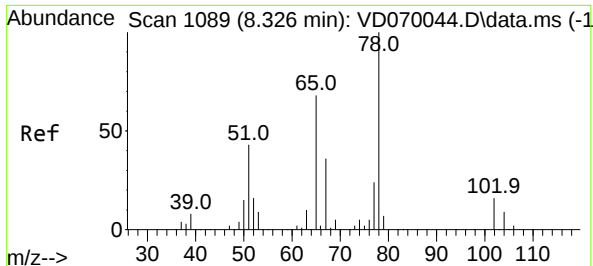
Tgt Ion: 43 Resp: 69
Ion Ratio Lower Upper
43 100
72 0.0 24.2 36.4#



#29
Tetrahydrofuran
Concen: 3.467 ug/l
RT: 7.667 min Scan# 977
Delta R.T. 0.106 min
Lab File: VD070259.D
Acq: 25 Aug 2021 19:00

Tgt Ion: 42 Resp: 57
Ion Ratio Lower Upper
42 100
72 0.0 37.5 56.3#
71 0.0 33.6 50.4#





#33

1,2-Dichloroethane-d4

Concen: 100.593 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD070259.D

Acq: 25 Aug 2021 19:00

Tgt Ion: 65 Resp: 10033

Ion Ratio Lower Upper

65 100

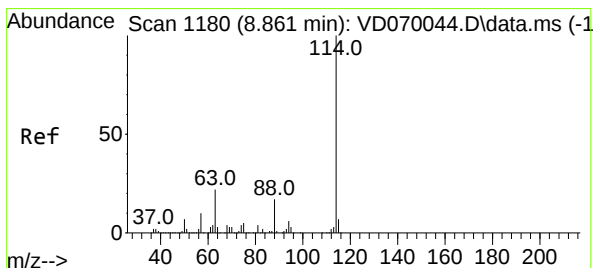
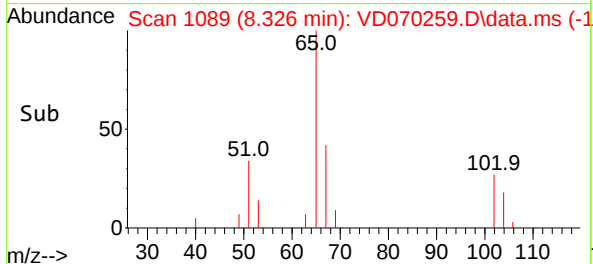
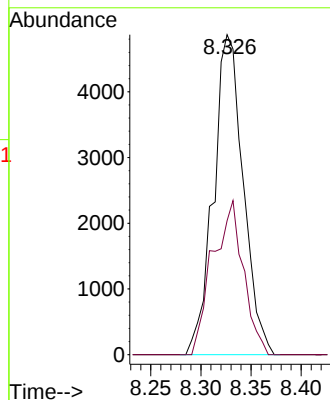
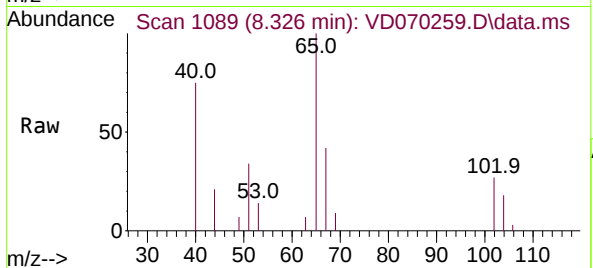
67 49.8 0.0 107.8

Instrument :

MSVOA_D

ClientSampleId :

SP



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD070259.D

Acq: 25 Aug 2021 19:00

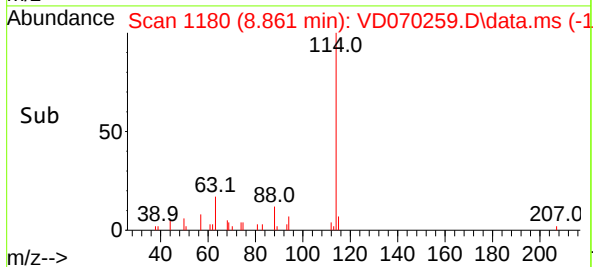
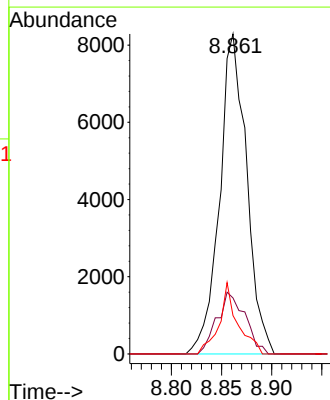
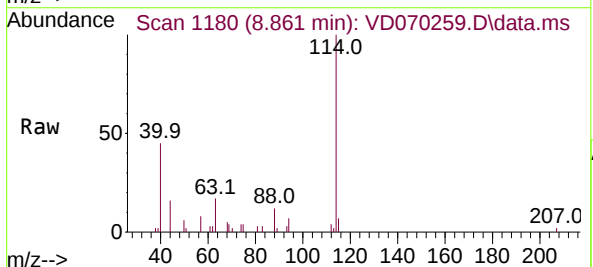
Tgt Ion:114 Resp: 15521

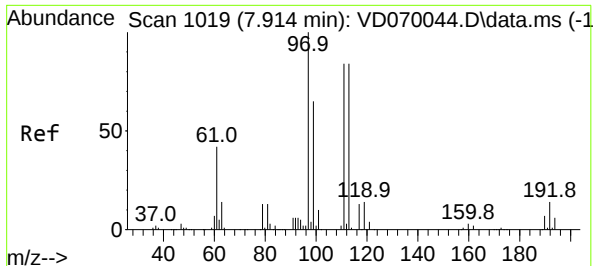
Ion Ratio Lower Upper

114 100

63 17.5 0.0 43.6

88 12.0 0.0 33.4





#35

Dibromofluoromethane

Concen: 60.493 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD070259.D

Acq: 25 Aug 2021 19:00

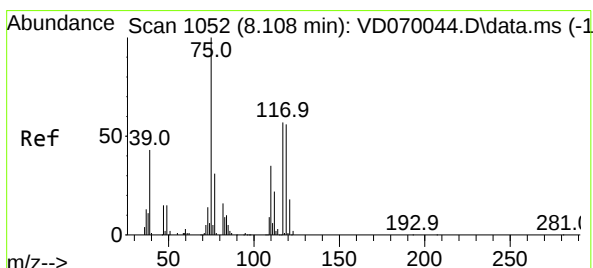
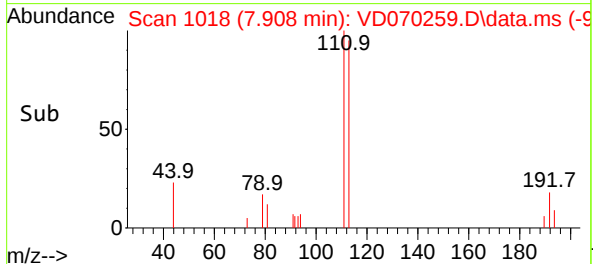
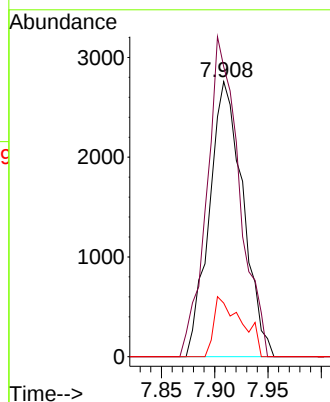
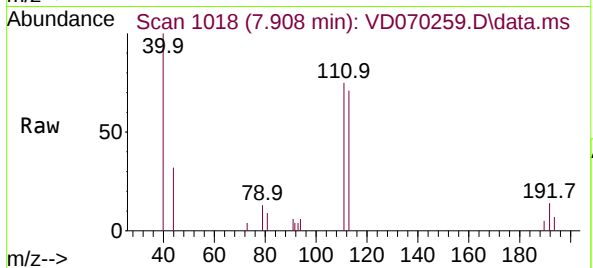
Tgt Ion:113 Resp: 6066

Ion Ratio Lower Upper

113 100

111 112.2 81.8 122.6

192 17.9 13.2 19.8



#36

1,1-Dichloropropene

Concen: 4.785 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD070259.D

Acq: 25 Aug 2021 19:00

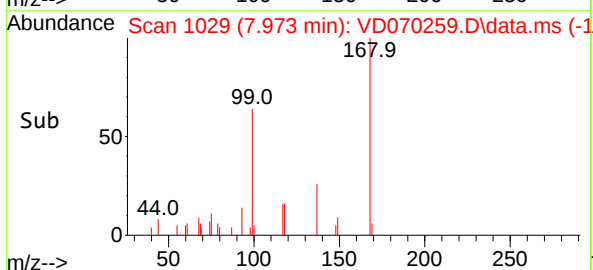
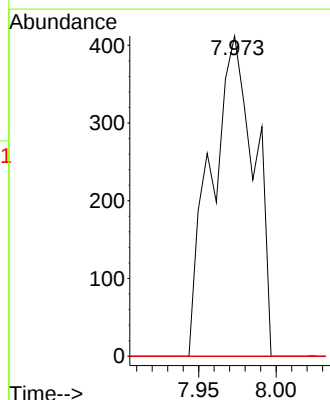
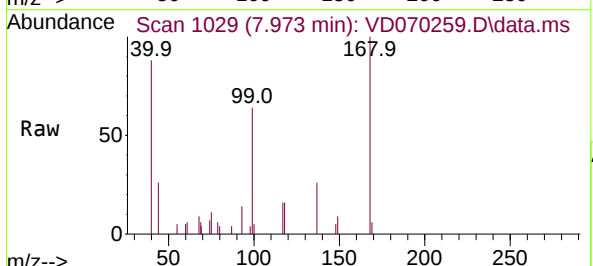
Tgt Ion: 75 Resp: 799

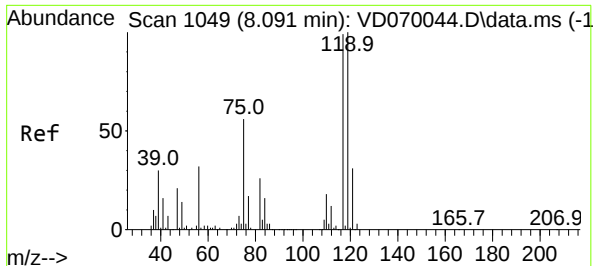
Ion Ratio Lower Upper

75 100

110 0.0 16.9 50.7#

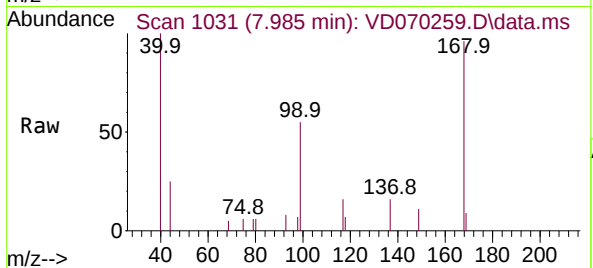
77 0.0 25.2 37.8#



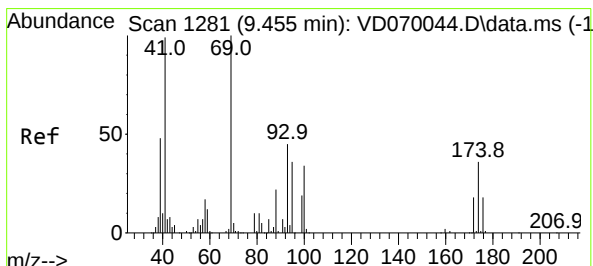
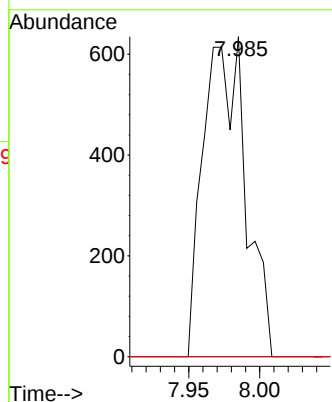
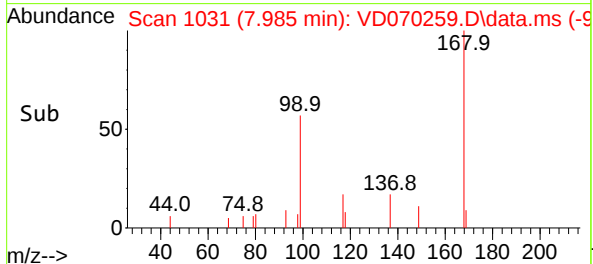


#38
Carbon Tetrachloride
Concen: 8.602 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.106 min
Lab File: VD070259.D
Acq: 25 Aug 2021 19:00

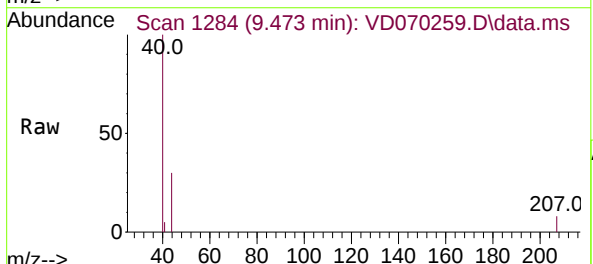
Instrument :
MSVOA_D
ClientSampleId :
SP



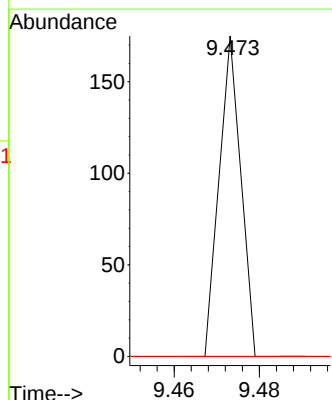
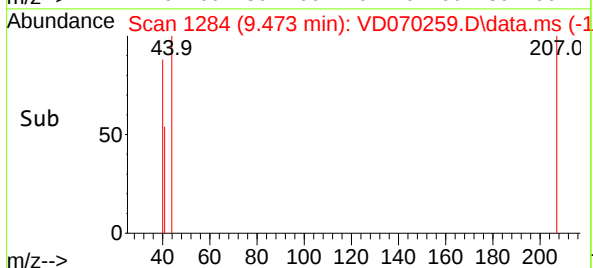
Tgt Ion:117 Resp: 1304
Ion Ratio Lower Upper
117 100
119 0.0 81.0 121.6#
121 0.0 25.0 37.6#

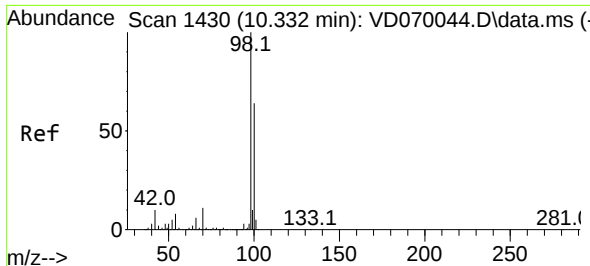


#48
Methyl methacrylate
Concen: 1.148 ug/l
RT: 9.473 min Scan# 1284
Delta R.T. 0.018 min
Lab File: VD070259.D
Acq: 25 Aug 2021 19:00



Tgt Ion: 41 Resp: 62
Ion Ratio Lower Upper
41 100
69 0.0 74.6 111.8#
39 0.0 35.9 53.9#

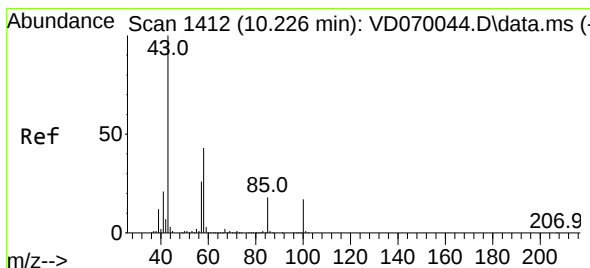
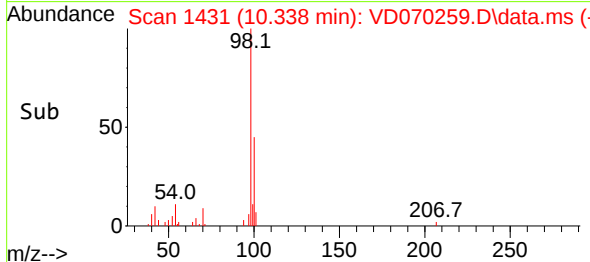
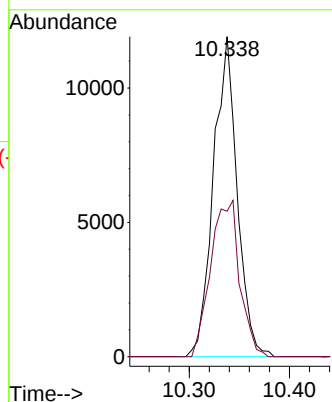
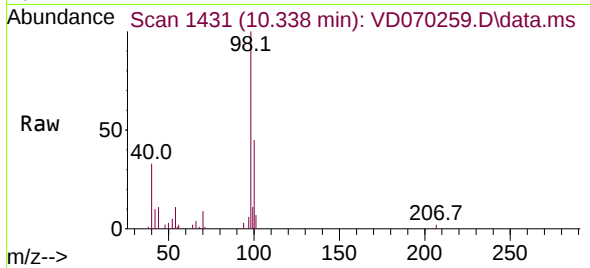




#50
Toluene-d8
Concen: 50.259 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070259.D
Acq: 25 Aug 2021 19:00

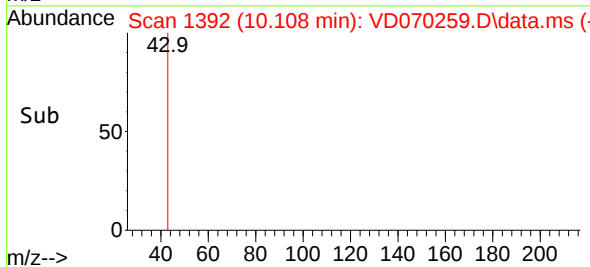
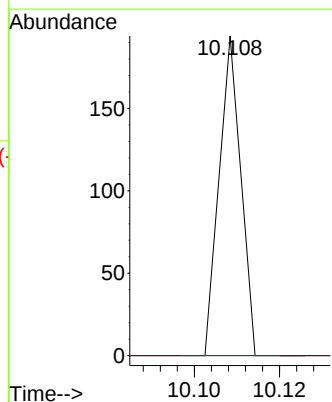
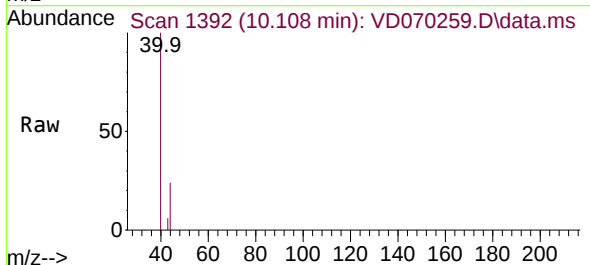
Instrument :
MSVOA_D
ClientSampled :
SP

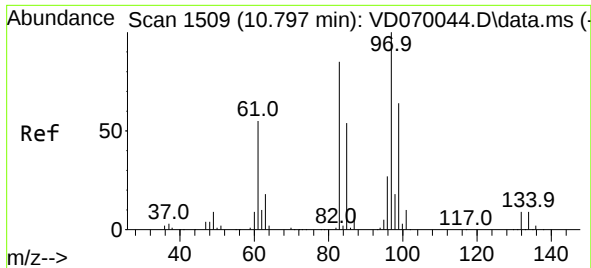
Tgt Ion: 98 Resp: 19602
Ion Ratio Lower Upper
98 100
100 59.4 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.155 ug/l
RT: 10.108 min Scan# 1392
Delta R.T. -0.118 min
Lab File: VD070259.D
Acq: 25 Aug 2021 19:00

Tgt Ion: 43 Resp: 68
Ion Ratio Lower Upper
43 100
58 0.0 33.9 50.9#

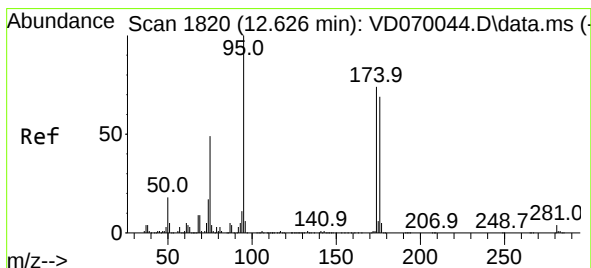
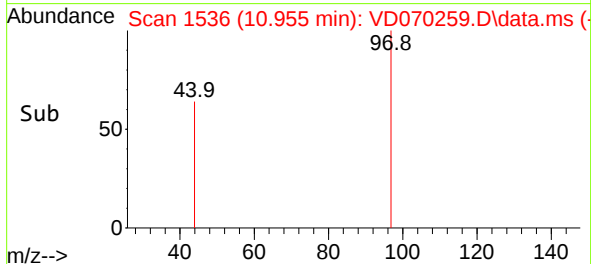
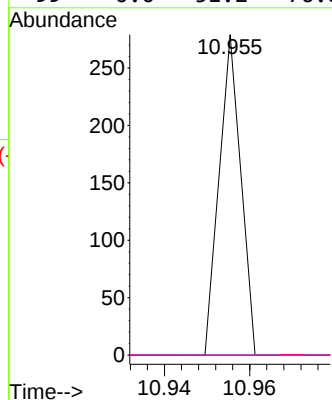
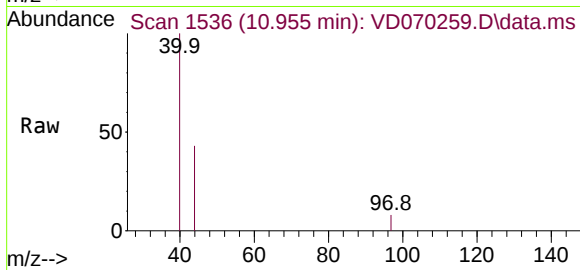




#55
1,1,2-Trichloroethane
Concen: 1.132 ug/l
RT: 10.955 min Scan# 1536
Delta R.T. 0.159 min
Lab File: VD070259.D
Acq: 25 Aug 2021 19:00

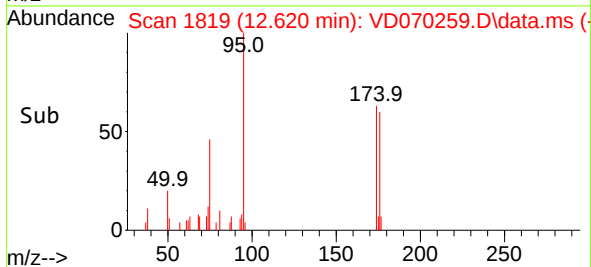
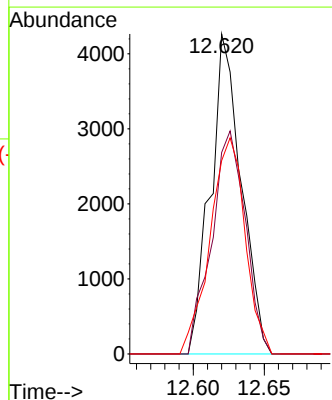
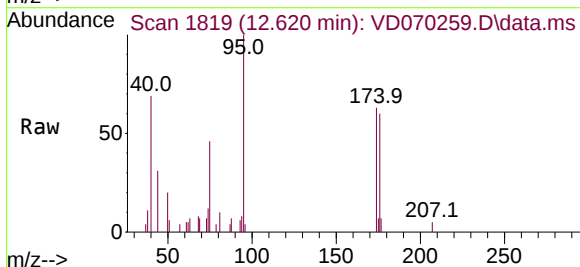
Instrument :
MSVOA_D
ClientSampleId :
SP

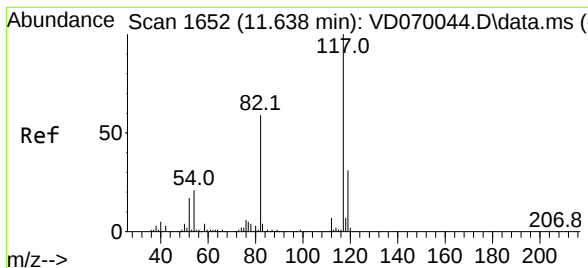
Tgt Ion:	97	Resp:	98
Ion	Ratio	Lower	Upper
97	100		
83	0.0	67.8	101.6#
85	0.0	43.4	65.0#
99	0.0	51.2	76.8#



#62
4-Bromofluorobenzene
Concen: 50.031 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070259.D
Acq: 25 Aug 2021 19:00

Tgt Ion:	95	Resp:	6427
Ion	Ratio	Lower	Upper
95	100		
174	76.5	0.0	141.6
176	76.9	0.0	138.2

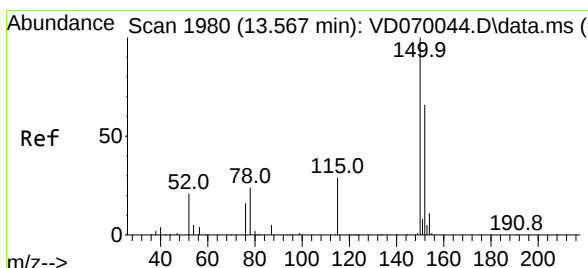
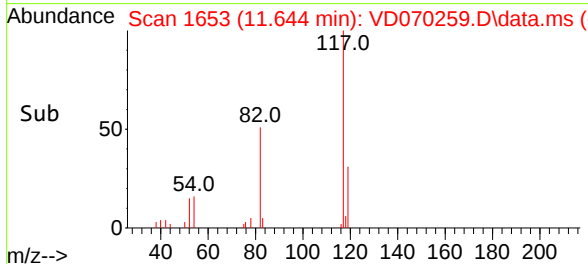
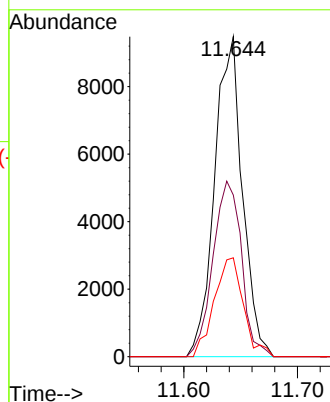
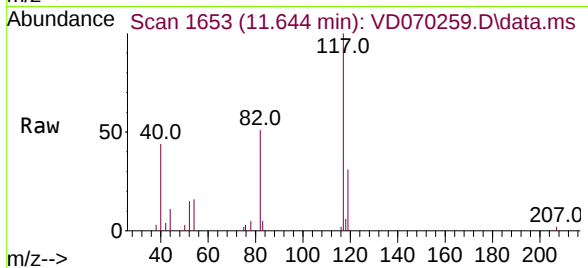




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD070259.D
Acq: 25 Aug 2021 19:00

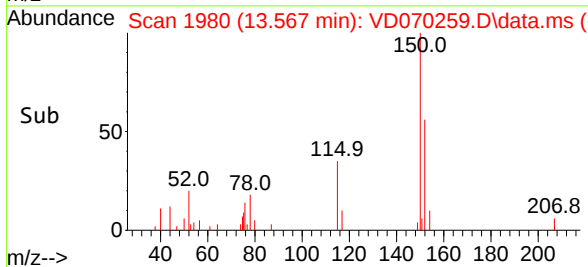
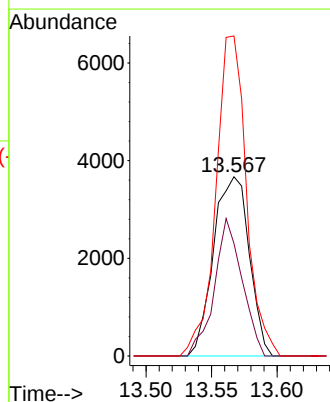
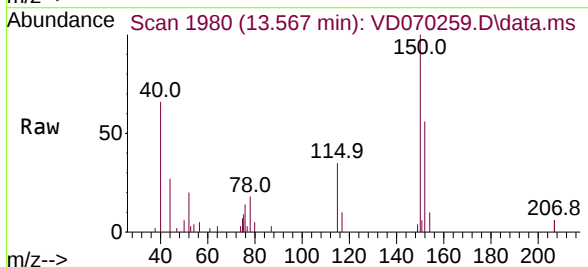
Instrument :
MSVOA_D
ClientSampleId :
SP

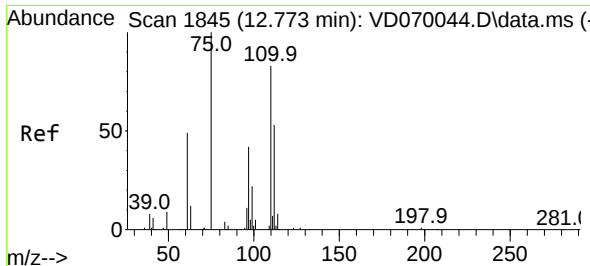
Tgt Ion:	117	Resp:	16127
Ion Ratio	Lower	Upper	
117	100		
82	50.5	47.5	71.3
119	30.9	25.1	37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD070259.D
Acq: 25 Aug 2021 19:00

Tgt Ion:	152	Resp:	6942
Ion Ratio	Lower	Upper	
152	100		
115	59.5	31.2	93.6
150	152.4	0.0	352.0

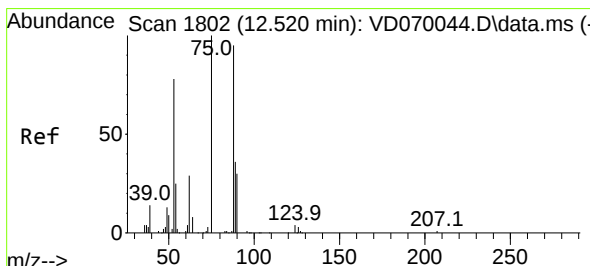
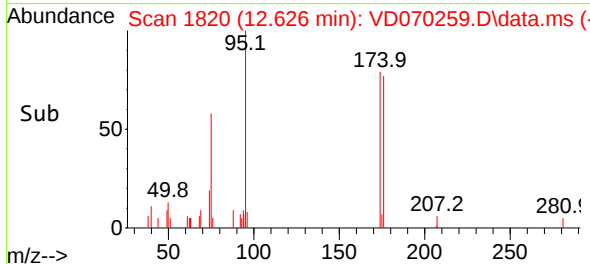
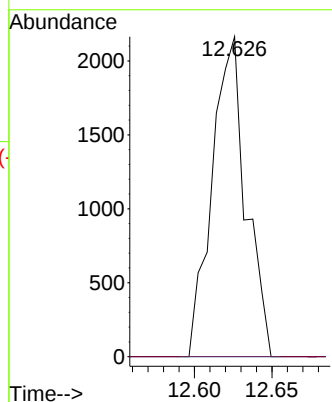
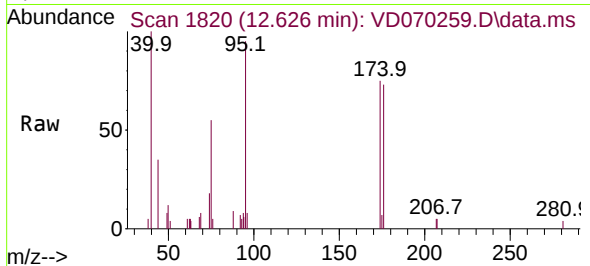




#76
1,2,3-Trichloropropane
Concen: 46.732 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070259.D
Acq: 25 Aug 2021 19:00

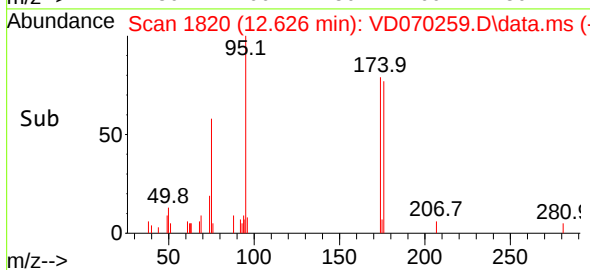
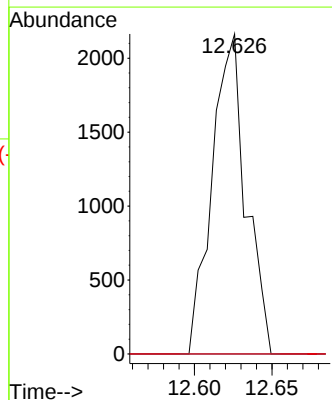
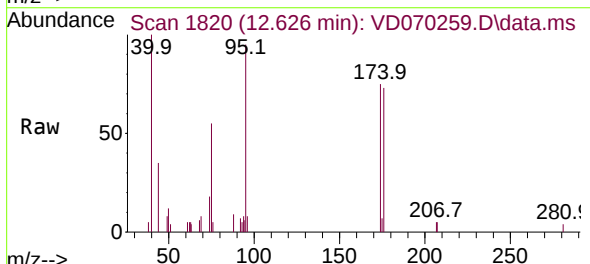
Instrument :
MSVOA_D
ClientSampled :
SP

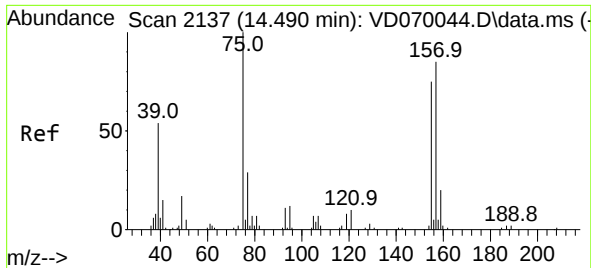
Tgt Ion: 75 Resp: 3290
Ion Ratio Lower Upper
75 100
77 0.0 182.4 547.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 121.299 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070259.D
Acq: 25 Aug 2021 19:00

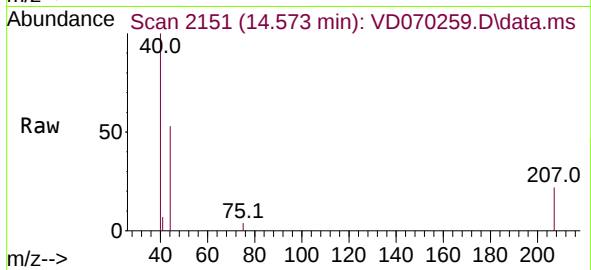
Tgt Ion: 75 Resp: 3290
Ion Ratio Lower Upper
75 100
53 0.0 64.5 96.7#
89 0.0 33.7 50.5#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.778 ug/l
 RT: 14.573 min Scan# 2151
 Delta R.T. 0.082 min
 Lab File: VD070259.D
 Acq: 25 Aug 2021 19:00

Instrument :
 MSVOA_D
 ClientSampleId :
 SP



Tgt Ion: 75 Resp: 57
 Ion Ratio Lower Upper
 75 100
 155 0.0 35.3 105.9#
 157 0.0 46.8 140.3#

