

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081921\
 Data File : VD070163.D
 Acq On : 19 Aug 2021 12:57
 Operator : VA/SY
 Sample : M3435-09RE
 Misc : 3.52G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 20 05:46:57 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

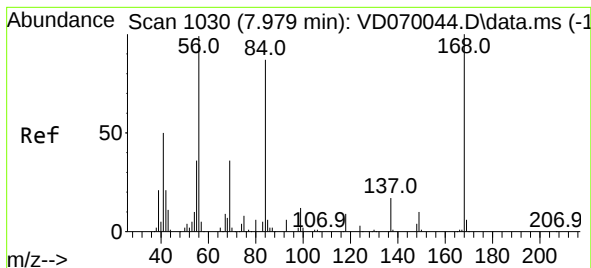
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	460010	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	869426	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	686640	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	167188	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	322672	59.639	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 119.280%			
35) Dibromofluoromethane	7.914	113	308936	55.000	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.000%			
50) Toluene-d8	10.338	98	1058547	48.452	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.900%			
62) 4-Bromofluorobenzene	12.626	95	228900	31.810	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 63.620%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.997	85	1578	Below Cal		73
3) Chloromethane	2.215	50	2302	Below Cal		93
5) Bromomethane	2.779	94	2399	Below Cal		86
11) Tert butyl alcohol	5.220	59	612	2.046 ug/l #		71
16) Acetone	4.156	43	34651	34.766 ug/l		97
17) Carbon Disulfide	4.403	76	20924	1.059 ug/l #		92
20) Methylene Chloride	4.968	84	4167	Below Cal #		85
25) 2-Butanone	7.215	43	9593	7.044 ug/l #		75
31) Cyclohexane	7.979	56	12562	1.173 ug/l #		1
38) Carbon Tetrachloride	7.979	117	49390	5.817 ug/l #		13
52) Toluene	10.403	92	21938	1.329 ug/l		97
76) 1,2,3-Trichloropropane	12.626	75	113709	67.065 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.626	75	113709	174.075 ug/l #		18

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

Quant Time: Aug 20 05:46:57 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD070163.D

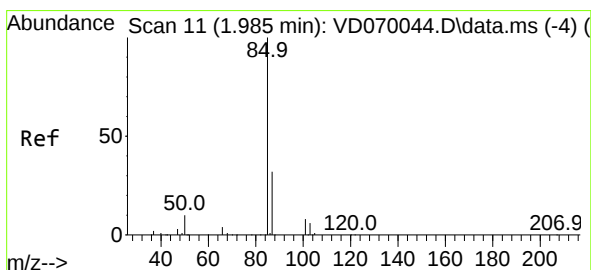
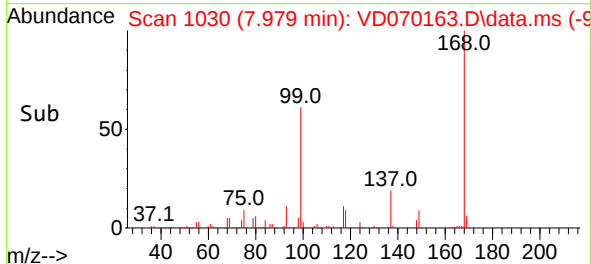
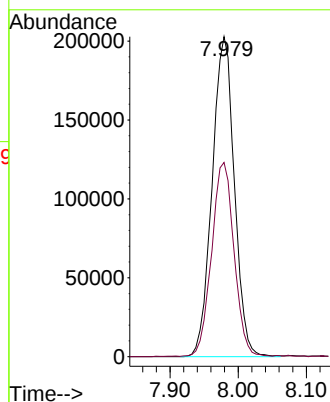
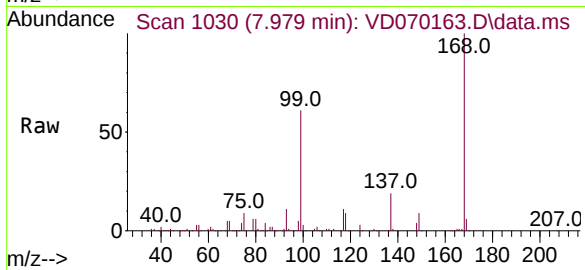
Acq: 19 Aug 2021 12:57

Tgt Ion:168 Resp: 460010

Ion Ratio Lower Upper

168 100

99 60.6 50.3 75.5



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.997 min Scan# 13

Delta R.T. 0.012 min

Lab File: VD070163.D

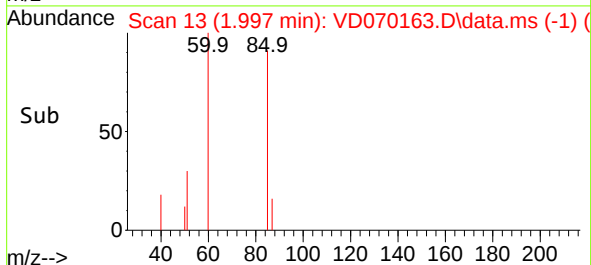
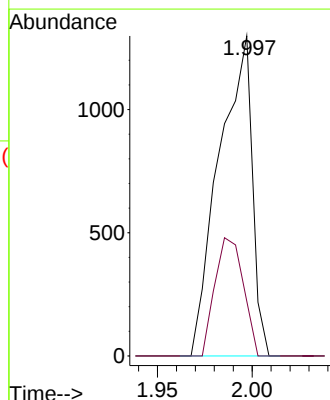
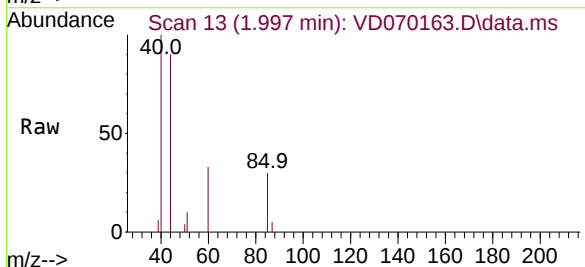
Acq: 19 Aug 2021 12:57

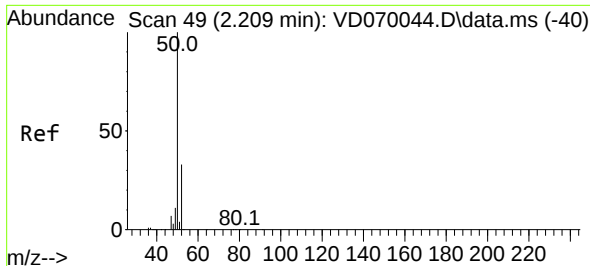
Tgt Ion: 85 Resp: 1578

Ion Ratio Lower Upper

85 100

87 17.2 16.2 48.6

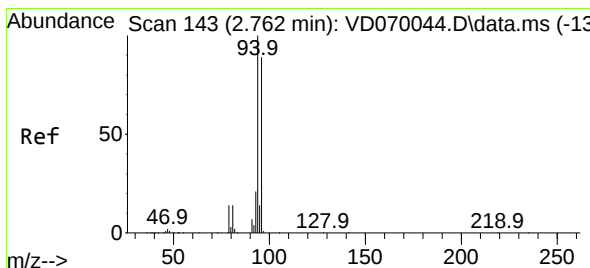
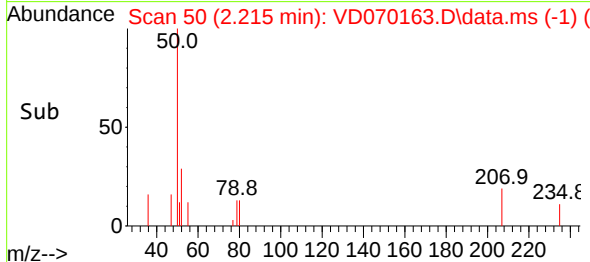
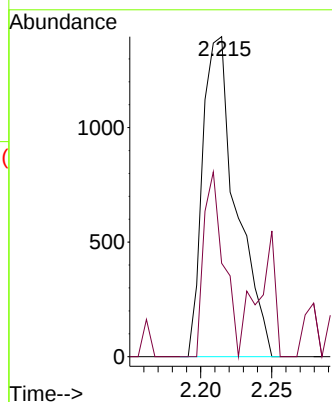
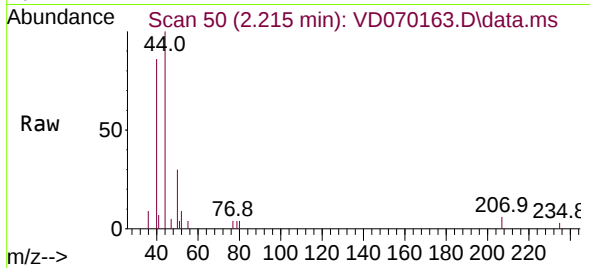




#3
Chloromethane
Concen: Below Cal
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD070163.D
Acq: 19 Aug 2021 12:57

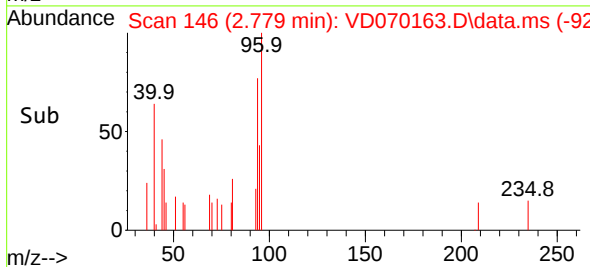
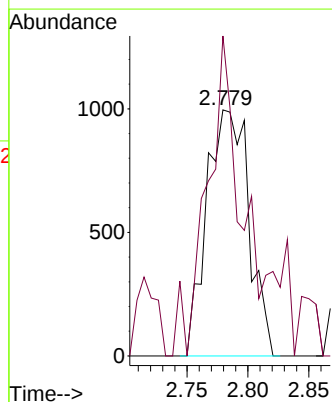
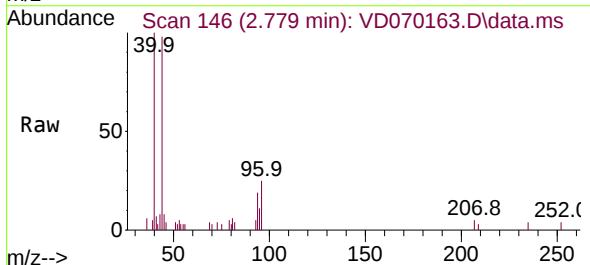
Instrument :
MSVOA_D
ClientSampled :

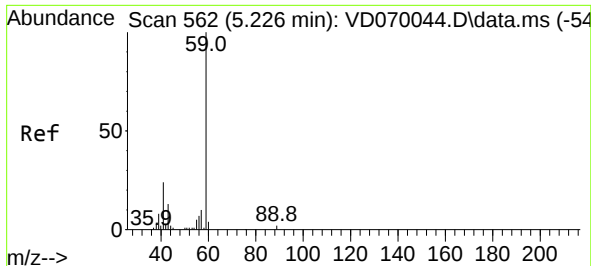
Tgt Ion: 50 Resp: 2302
Ion Ratio Lower Upper
50 100
52 29.2 26.3 39.5



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD070163.D
Acq: 19 Aug 2021 12:57

Tgt Ion: 94 Resp: 2399
Ion Ratio Lower Upper
94 100
96 102.1 70.9 106.3



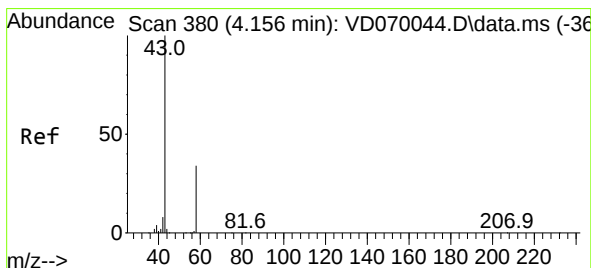
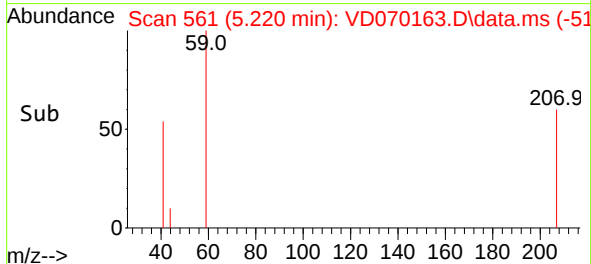
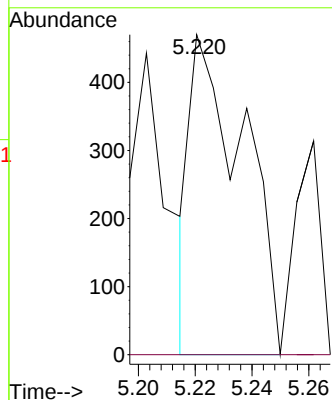
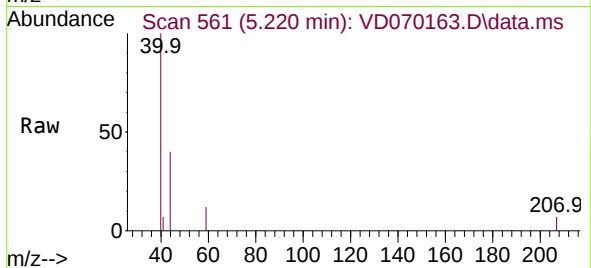


#11

Tert butyl alcohol
Concen: 2.046 ug/l
RT: 5.220 min Scan# 561
Delta R.T. -0.006 min
Lab File: VD070163.D
Acq: 19 Aug 2021 12:57

Instrument :
MSVOA_D
ClientSampleId :

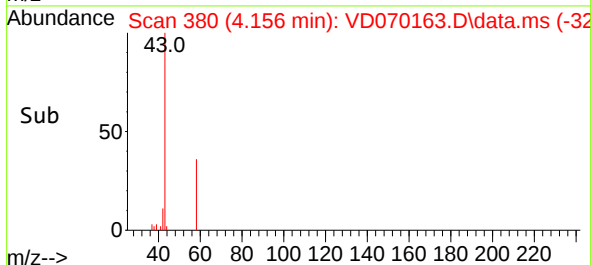
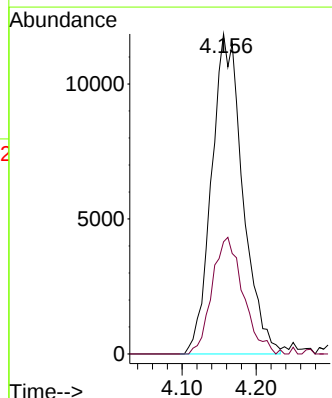
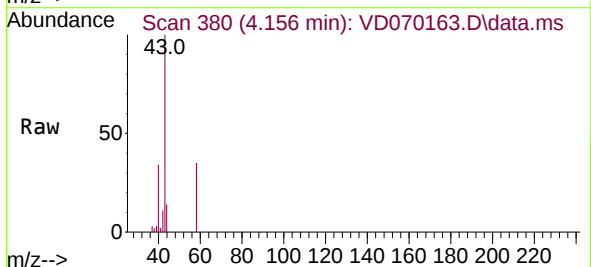
Tgt Ion: 59 Resp: 612
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

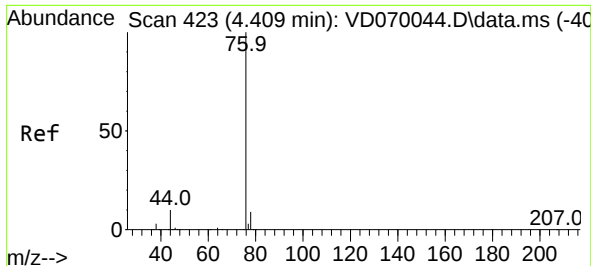


#16

Acetone
Concen: 34.766 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD070163.D
Acq: 19 Aug 2021 12:57

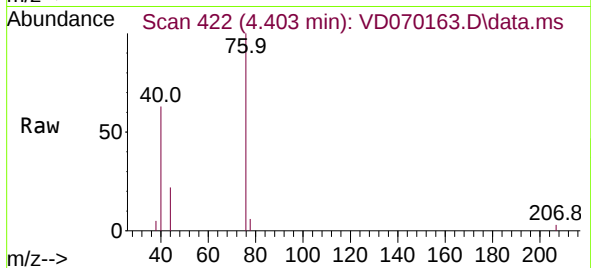
Tgt Ion: 43 Resp: 34651
Ion Ratio Lower Upper
43 100
58 35.0 26.8 40.2



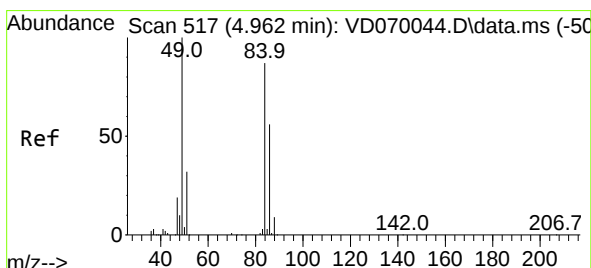
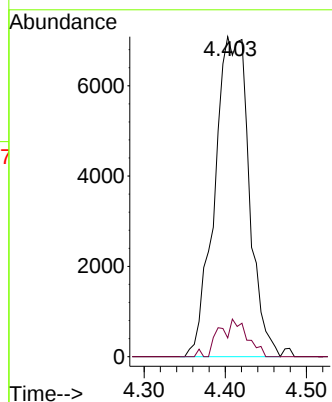
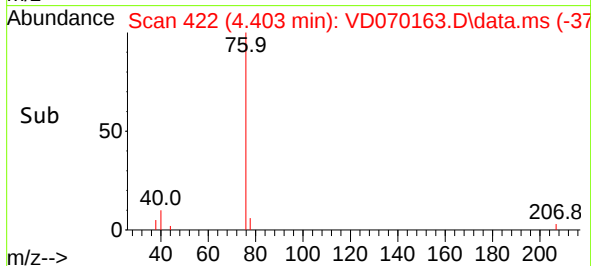


#17
Carbon Disulfide
Concen: 1.059 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.006 min
Lab File: VD070163.D
Acq: 19 Aug 2021 12:57

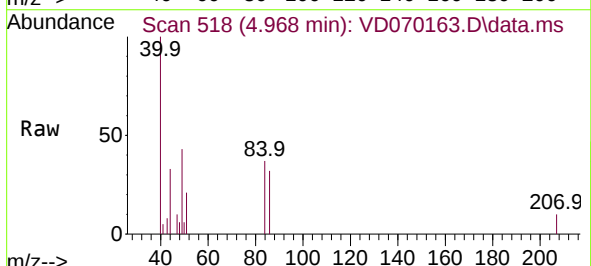
Instrument :
MSVOA_D
ClientSampleId :



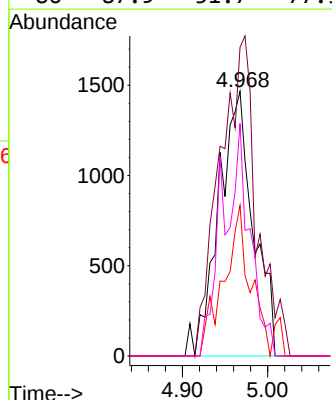
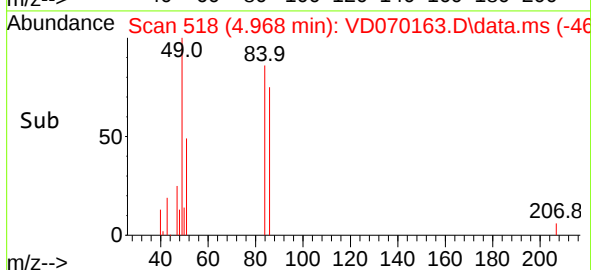
Tgt Ion: 76 Resp: 20924
Ion Ratio Lower Upper
76 100
78 5.9 7.1 10.7#

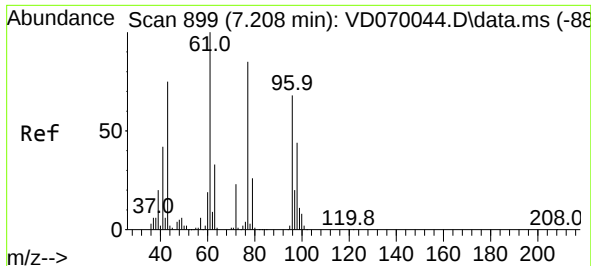


#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD070163.D
Acq: 19 Aug 2021 12:57



Tgt Ion: 84 Resp: 4167
Ion Ratio Lower Upper
84 100
49 116.6 92.5 138.7
51 56.9 29.7 44.5#
86 87.9 51.7 77.5#

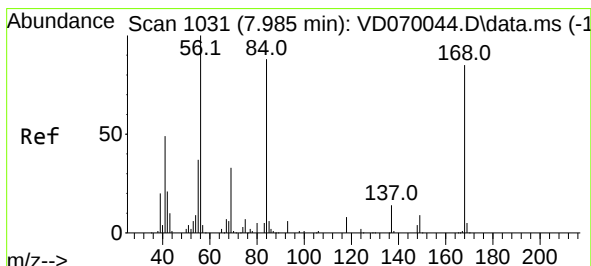
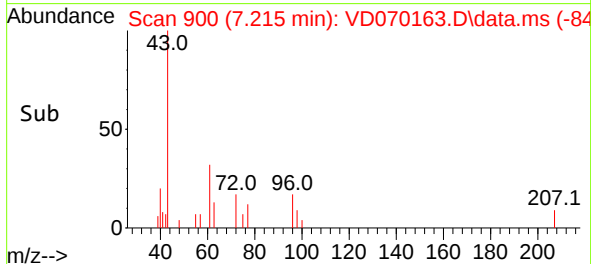
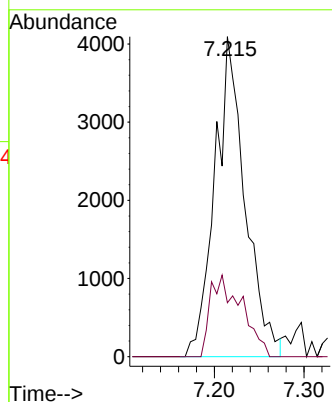
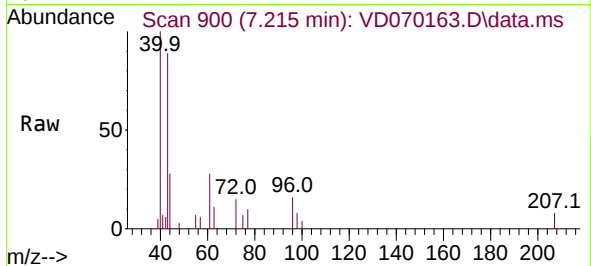




#25
2-Butanone
Concen: 7.044 ug/l
RT: 7.215 min Scan# 900
Delta R.T. 0.006 min
Lab File: VD070163.D
Acq: 19 Aug 2021 12:57

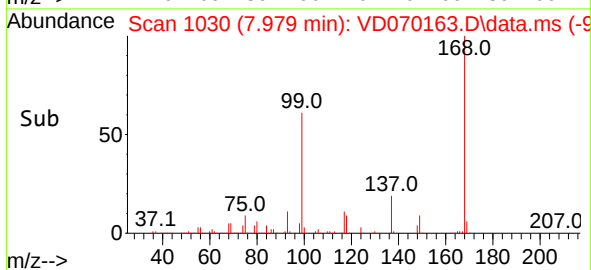
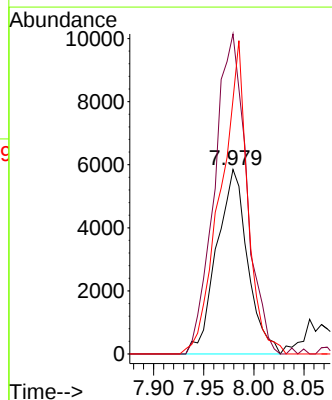
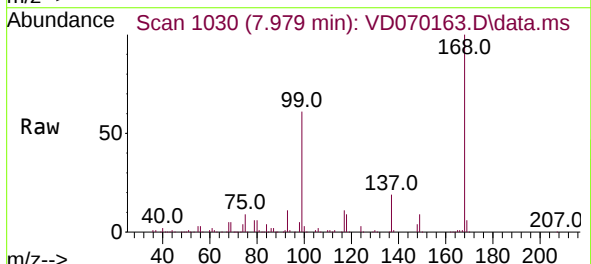
Instrument :
MSVOA_D
ClientSampled :

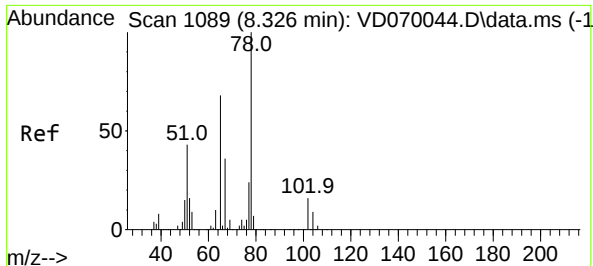
Tgt Ion: 43 Resp: 9593
Ion Ratio Lower Upper
43 100
72 16.9 24.2 36.4#



#31
Cyclohexane
Concen: 1.173 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070163.D
Acq: 19 Aug 2021 12:57

Tgt Ion: 56 Resp: 12562
Ion Ratio Lower Upper
56 100
69 173.5 26.7 40.1#
84 142.8 70.4 105.6#

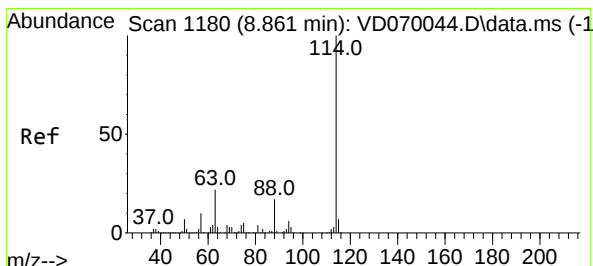
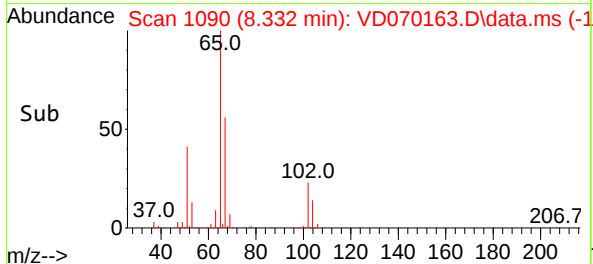
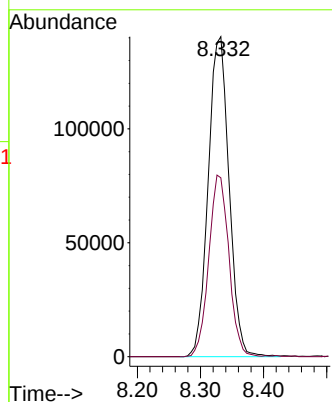
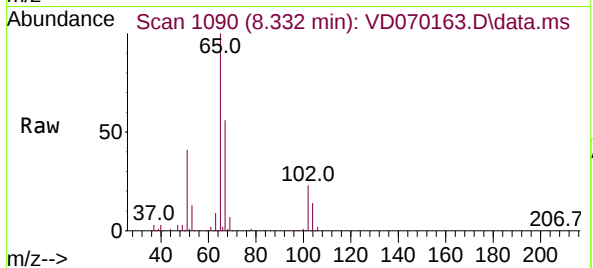




#33
1,2-Dichloroethane-d4
Concen: 59.639 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD070163.D
Acq: 19 Aug 2021 12:57

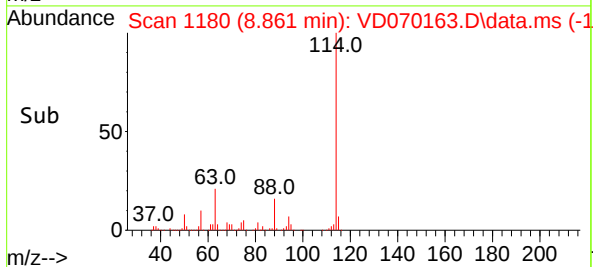
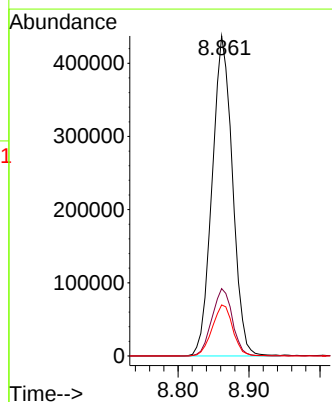
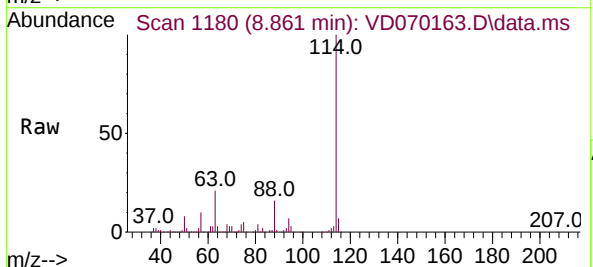
Instrument :
MSVOA_D
ClientSampleId :

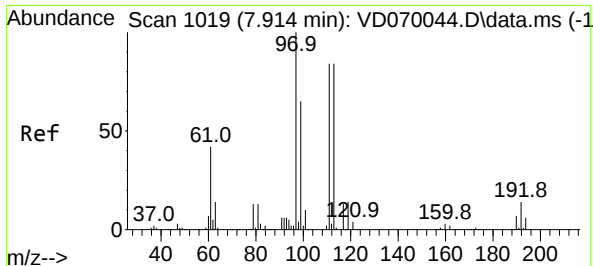
Tgt Ion: 65 Resp: 322672
Ion Ratio Lower Upper
65 100
67 54.7 0.0 107.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070163.D
Acq: 19 Aug 2021 12:57

Tgt Ion: 114 Resp: 869426
Ion Ratio Lower Upper
114 100
63 21.1 0.0 43.6
88 16.0 0.0 33.4





#35

Dibromofluoromethane

Concen: 55.000 ug/l

RT: 7.914 min Scan# 1019

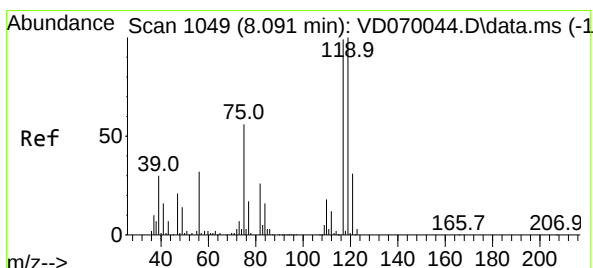
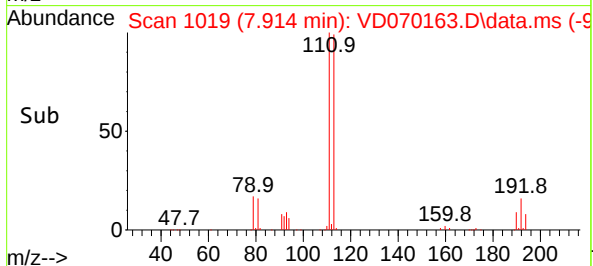
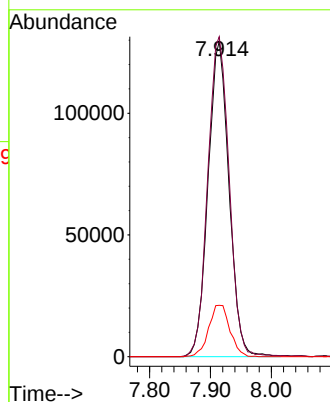
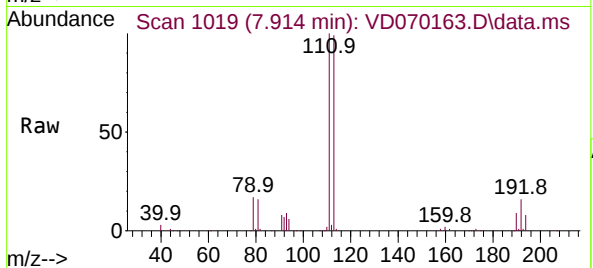
Delta R.T. 0.000 min

Lab File: VD070163.D

Acq: 19 Aug 2021 12:57

Tgt Ion:	113	Resp:	308936
Ion	Ratio	Lower	Upper
113	100		
111	104.0	81.8	122.6
192	16.6	13.2	19.8

Instrument :
MSVOA_D
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 5.817 ug/l

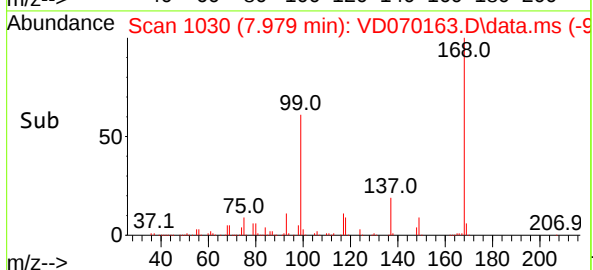
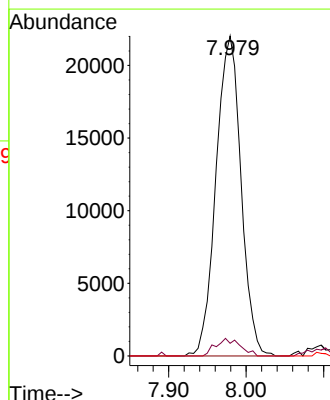
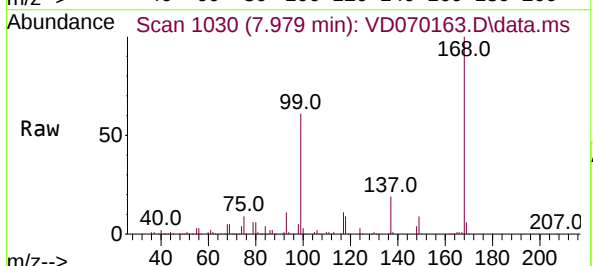
RT: 7.979 min Scan# 1030

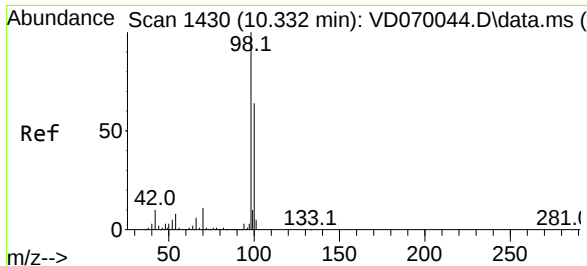
Delta R.T. -0.112 min

Lab File: VD070163.D

Acq: 19 Aug 2021 12:57

Tgt Ion:	117	Resp:	49390
Ion	Ratio	Lower	Upper
117	100		
119	4.0	81.0	121.6#
121	0.0	25.0	37.6#

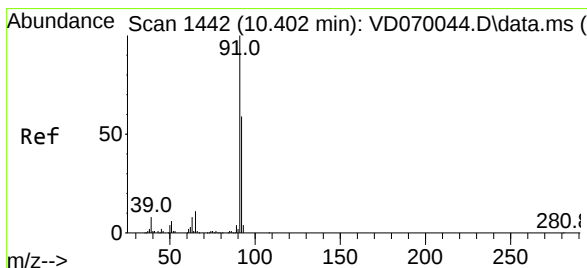
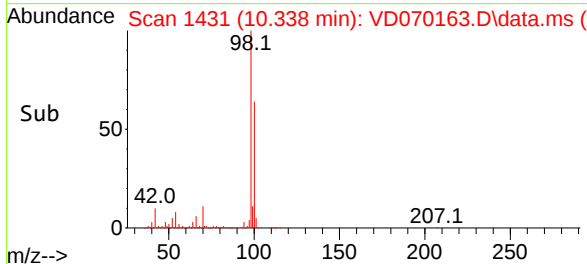
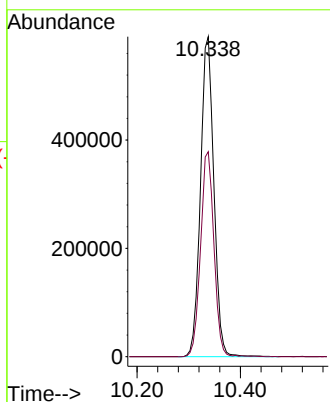
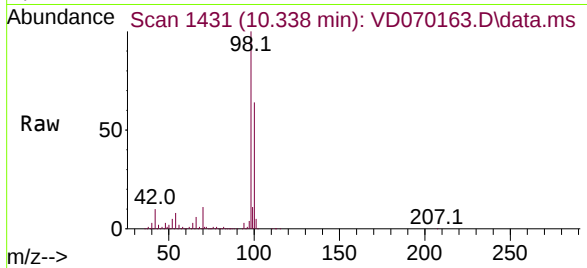




#50
Toluene-d8
Concen: 48.452 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070163.D
Acq: 19 Aug 2021 12:57

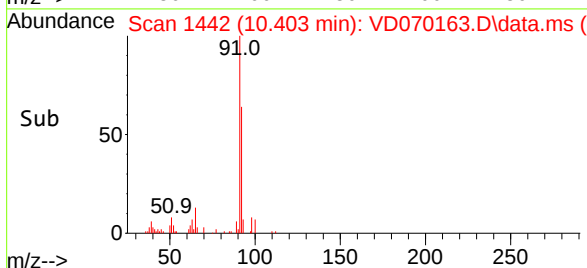
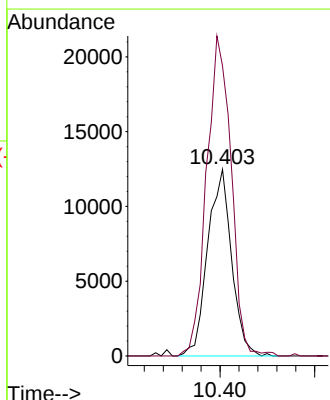
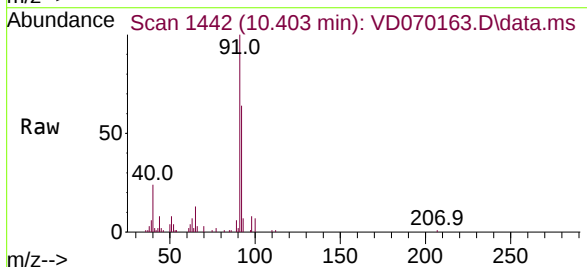
Instrument :
MSVOA_D
ClientSampleId :

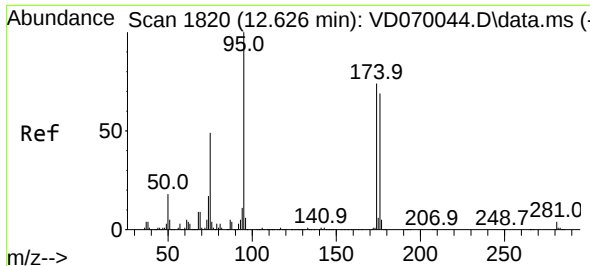
Tgt Ion: 98 Resp: 1058547
Ion Ratio Lower Upper
98 100
100 64.1 52.6 78.8



#52
Toluene
Concen: 1.329 ug/l
RT: 10.403 min Scan# 1442
Delta R.T. 0.000 min
Lab File: VD070163.D
Acq: 19 Aug 2021 12:57

Tgt Ion: 92 Resp: 21938
Ion Ratio Lower Upper
92 100
91 175.6 137.2 205.8

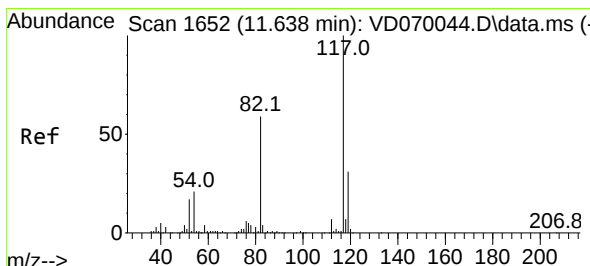
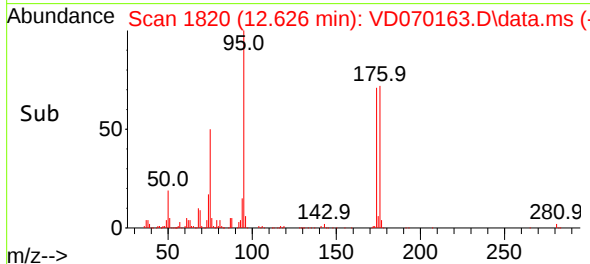
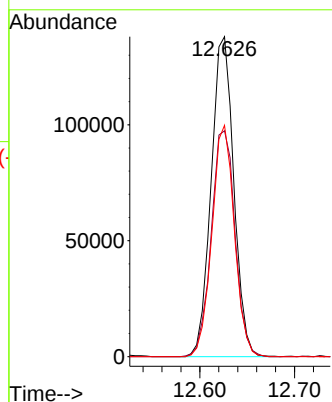
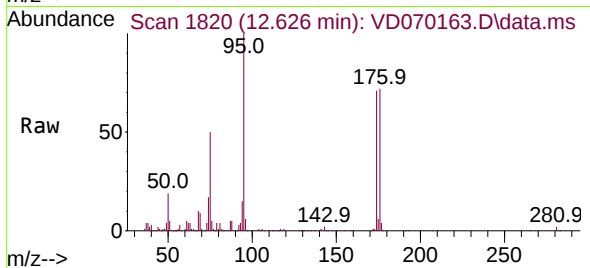




#62
4-Bromofluorobenzene
Concen: 31.810 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070163.D
Acq: 19 Aug 2021 12:57

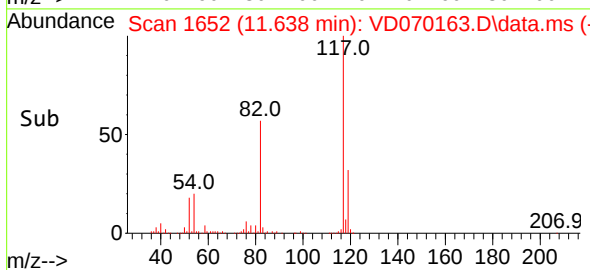
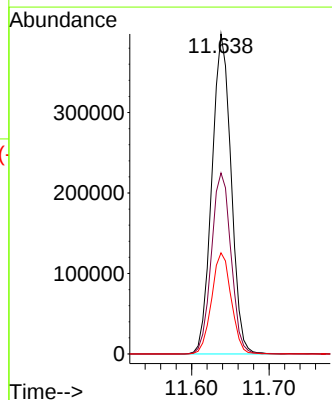
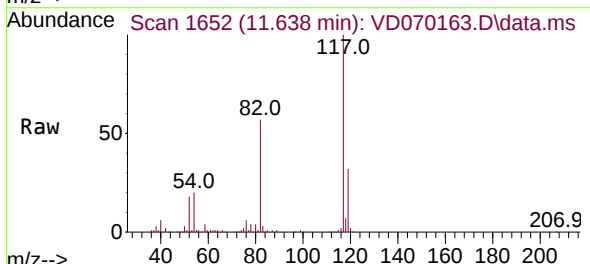
Instrument :
MSVOA_D
ClientSampleId :

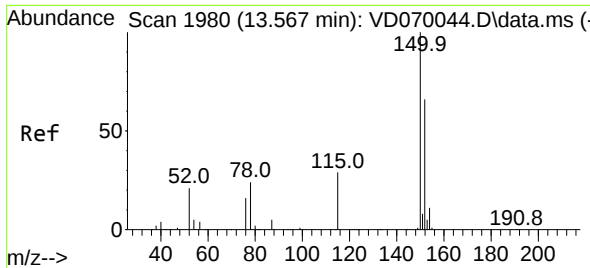
Tgt Ion: 95 Resp: 228900
Ion Ratio Lower Upper
95 100
174 74.3 0.0 141.6
176 71.6 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070163.D
Acq: 19 Aug 2021 12:57

Tgt Ion: 117 Resp: 686640
Ion Ratio Lower Upper
117 100
82 56.6 47.5 71.3
119 31.6 25.1 37.7

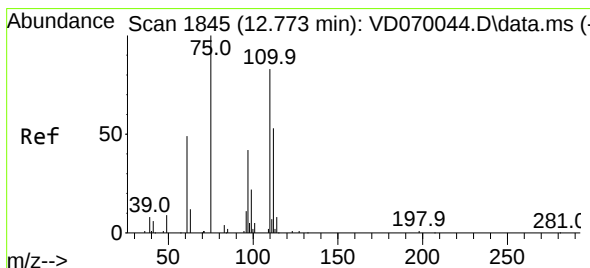
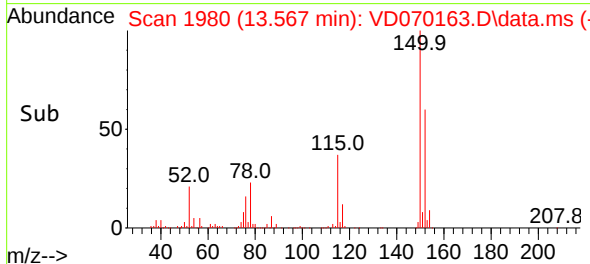
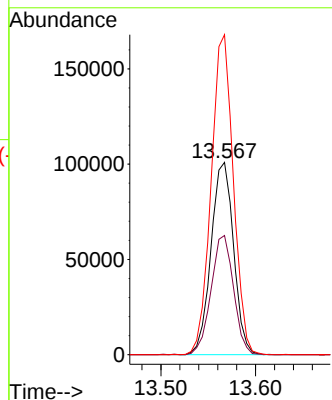
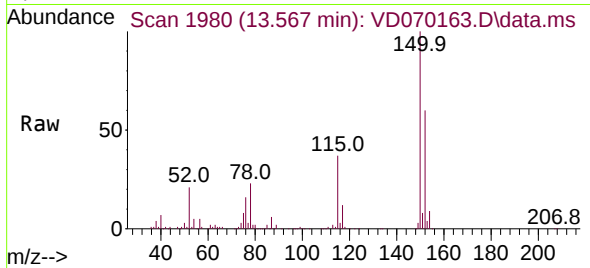




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD070163.D
Acq: 19 Aug 2021 12:57

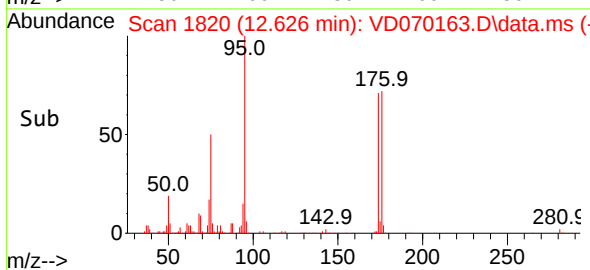
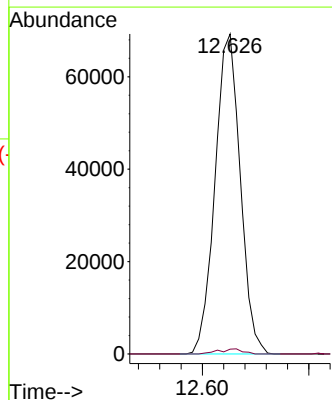
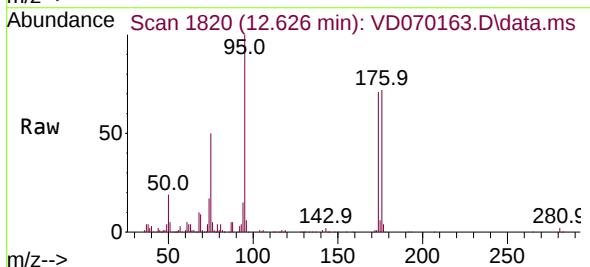
Instrument :
MSVOA_D
ClientSampleId :

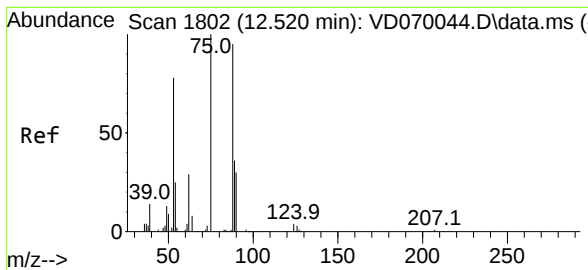
Tgt Ion:152 Resp: 167188
Ion Ratio Lower Upper
152 100
115 61.7 31.2 93.6
150 163.3 0.0 352.0



#76
1,2,3-Trichloropropane
Concen: 67.065 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070163.D
Acq: 19 Aug 2021 12:57

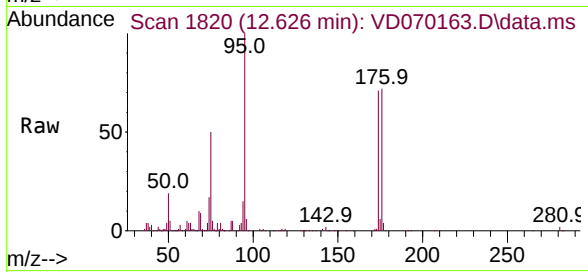
Tgt Ion: 75 Resp: 113709
Ion Ratio Lower Upper
75 100
77 1.5 182.4 547.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 174.075 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD070163.D
 Acq: 19 Aug 2021 12:57

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	75	Resp:	113709
Ion	Ratio	Lower	Upper
75	100		
53	0.2	64.5	96.7#
89	0.1	33.7	50.5#

