

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082521\
 Data File : VD070251.D
 Acq On : 25 Aug 2021 15:12
 Operator : VA/SY
 Sample : M3467-20RE
 Misc : 3.49G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SAMPLE-5-(184.50)-VOC-GRAB

Quant Time: Aug 26 02:45:00 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)

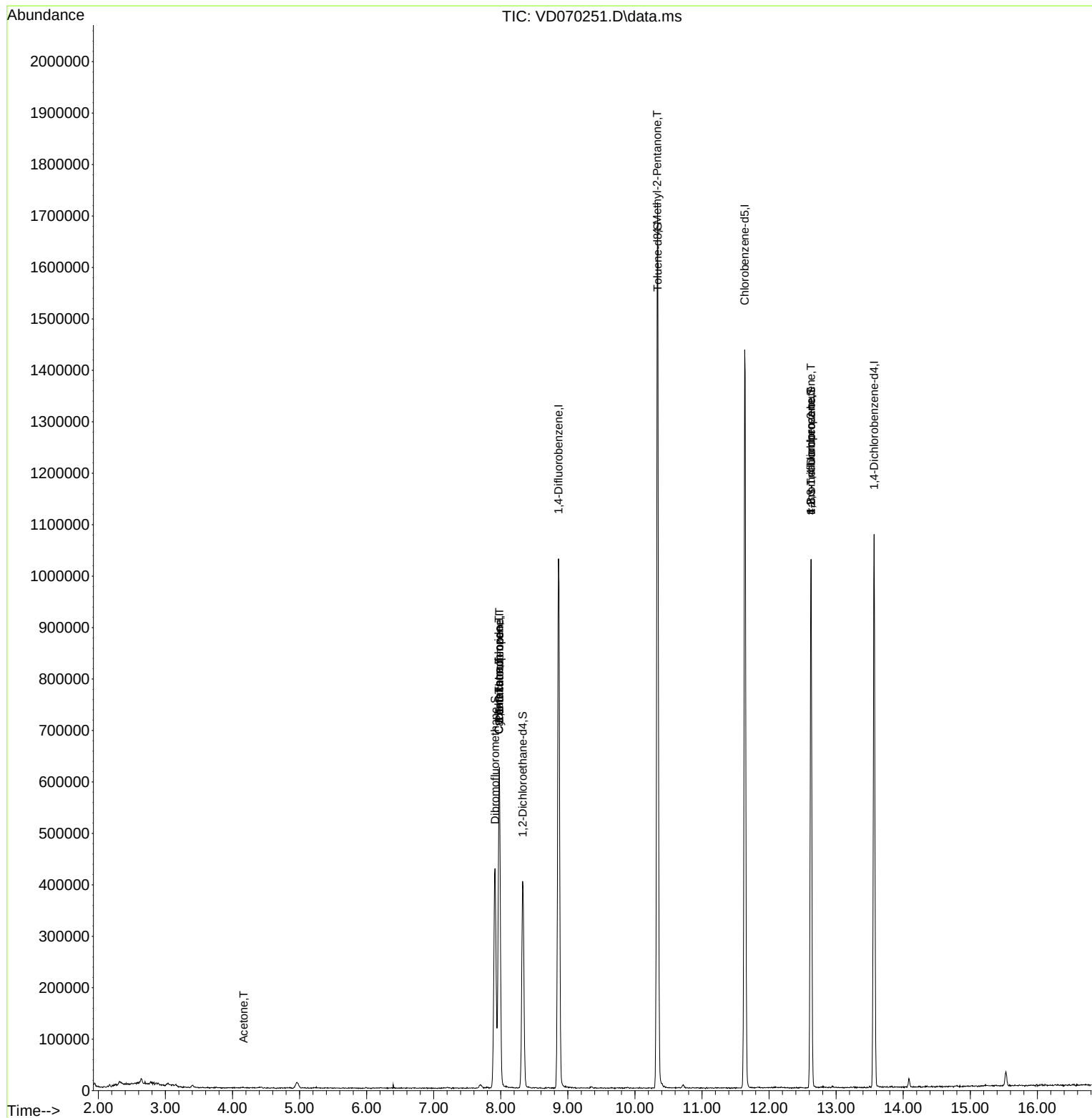
Internal Standards						
1) Pentafluorobenzene	7.979	168	437731	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	891391	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	841377	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	284859	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	319907	62.137	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.280%	
35) Dibromofluoromethane	7.914	113	318137	55.242	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.480%	
50) Toluene-d8	10.338	98	1169834	52.227	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.460%	
62) 4-Bromofluorobenzene	12.626	95	321058	43.517	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 87.040%	
Target Compounds						
2) Dichlorodifluoromethane	1.985	85	336	Below Cal	#	Qvalue 42
3) Chloromethane	2.209	50	1142	Below Cal	#	81
5) Bromomethane	2.773	94	2328	Below Cal	#	76
16) Acetone	4.167	43	2323	2.449	ug/l #	41
20) Methylene Chloride	4.961	84	9567	Below Cal	#	80
31) Cyclohexane	7.973	56	11991	1.177	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	42311	4.412	ug/l #	49
38) Carbon Tetrachloride	7.973	117	48416	5.561	ug/l #	14
51) 4-Methyl-2-Pentanone	10.332	43	4561	1.349	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	162523	56.258	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	162523	146.026	ug/l #	18

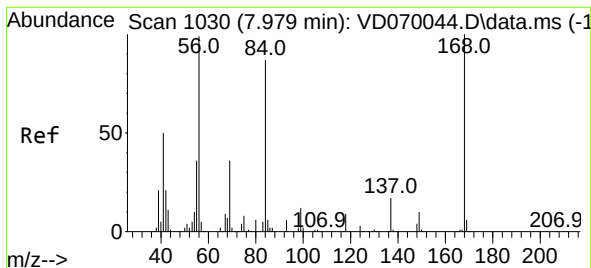
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.000 min

Lab File: VD070251.D

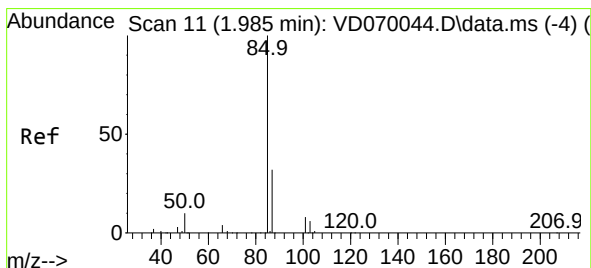
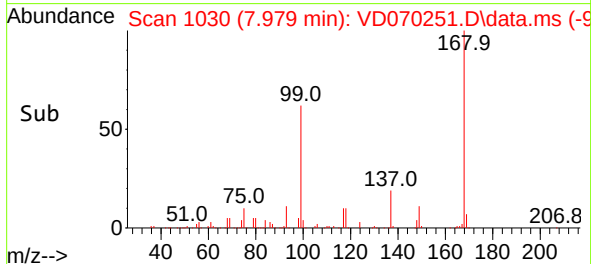
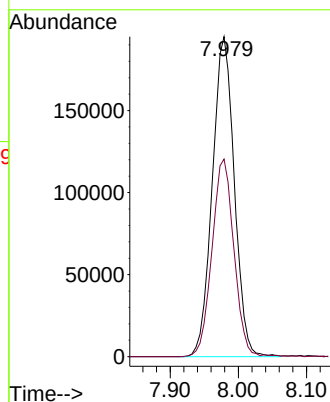
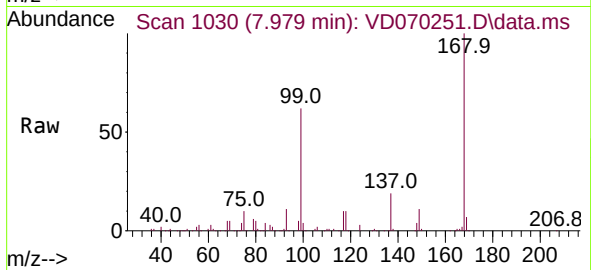
Acq: 25 Aug 2021 15:12

Tgt Ion:168 Resp: 437731

Ion Ratio Lower Upper

168 100

99 61.8 50.3 75.5



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.985 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD070251.D

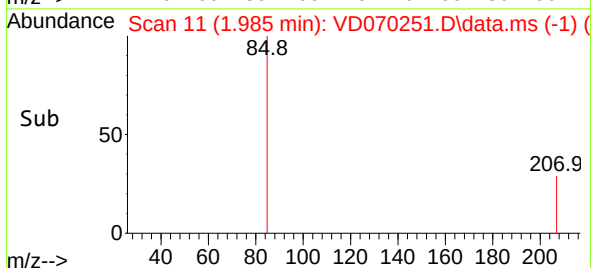
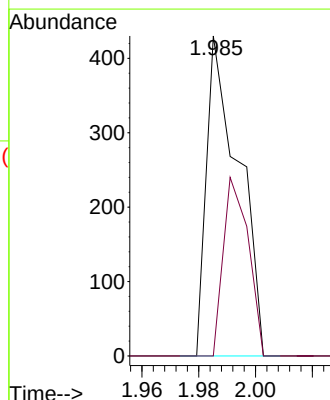
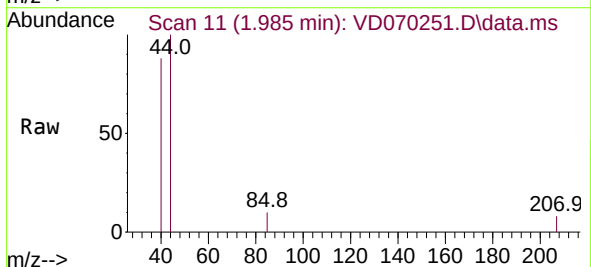
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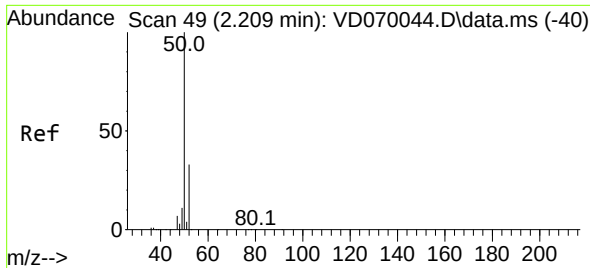
Tgt Ion: 85 Resp: 336

Ion Ratio Lower Upper

85 100

87 0.0 16.2 48.6#

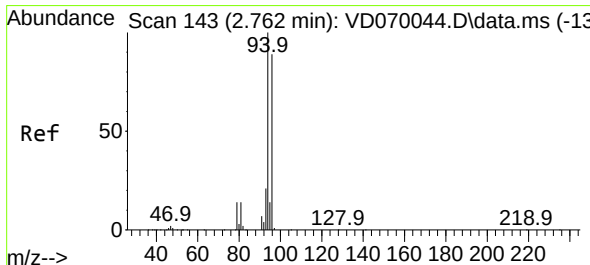
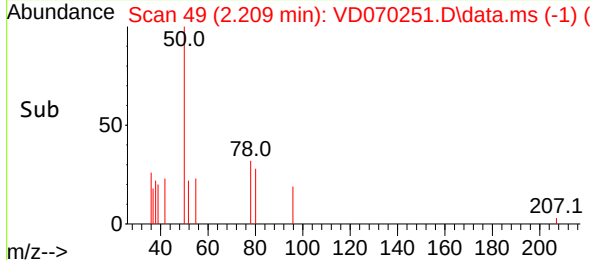
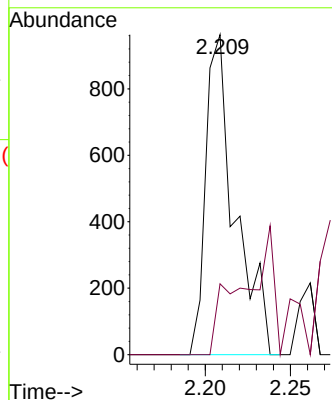
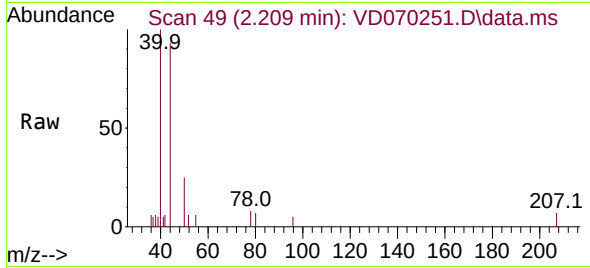




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070251.D
Acq: 25 Aug 2021 15:12

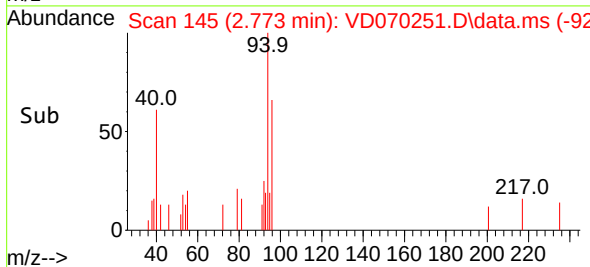
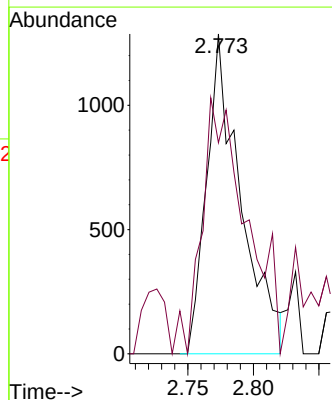
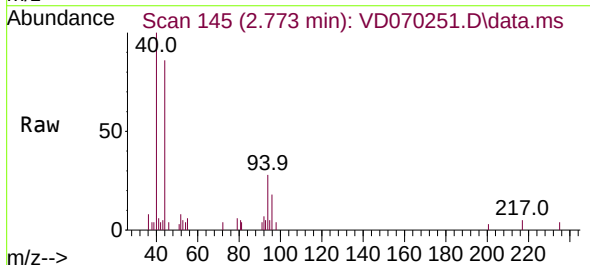
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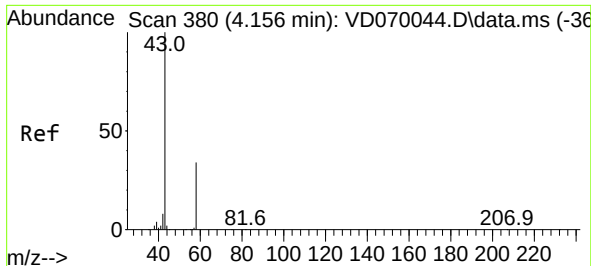
Tgt Ion: 50 Resp: 1142
Ion Ratio Lower Upper
50 100
52 22.1 26.3 39.5#



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD070251.D
Acq: 25 Aug 2021 15:12

Tgt Ion: 94 Resp: 2328
Ion Ratio Lower Upper
94 100
96 66.0 70.9 106.3#

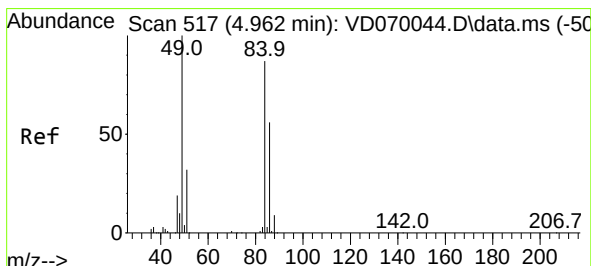
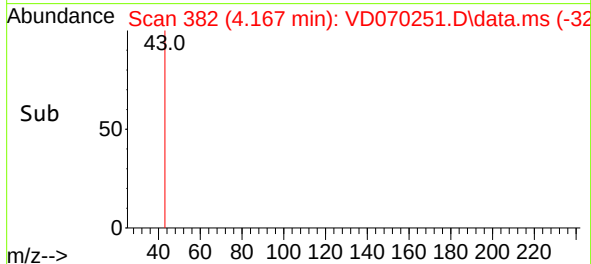
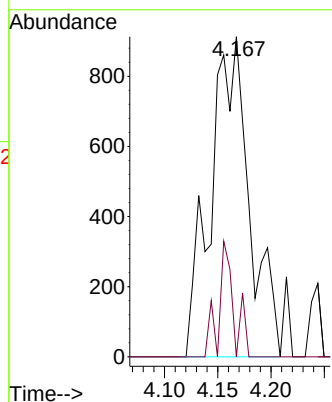
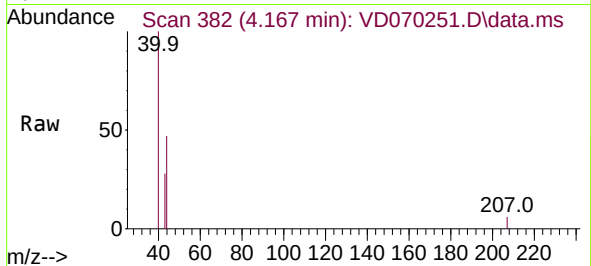




#16
Acetone
Concen: 2.449 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD070251.D
Acq: 25 Aug 2021 15:12

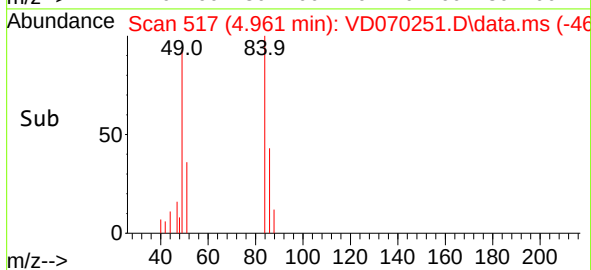
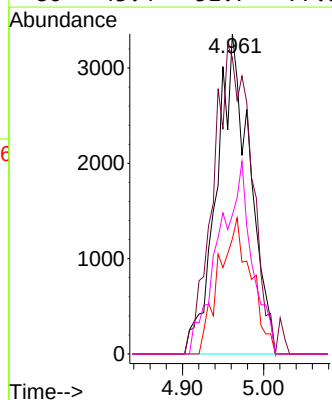
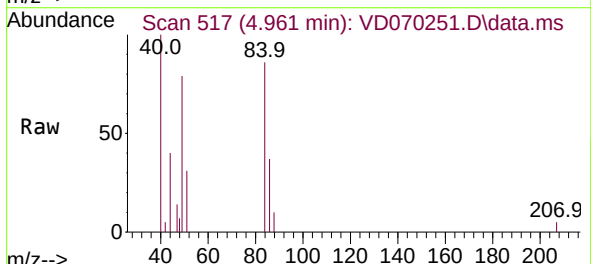
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-5-(184.50)-VOC-GRAB

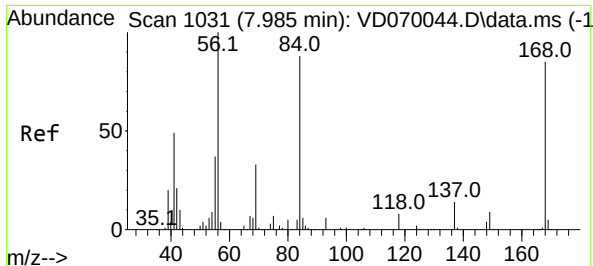
Tgt Ion: 43 Resp: 2323
Ion Ratio Lower Upper
43 100
58 0.0 26.8 40.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD070251.D
Acq: 25 Aug 2021 15:12

Tgt Ion: 84 Resp: 9567
Ion Ratio Lower Upper
84 100
49 92.7 92.5 138.7
51 35.9 29.7 44.5
86 43.4 51.7 77.5#

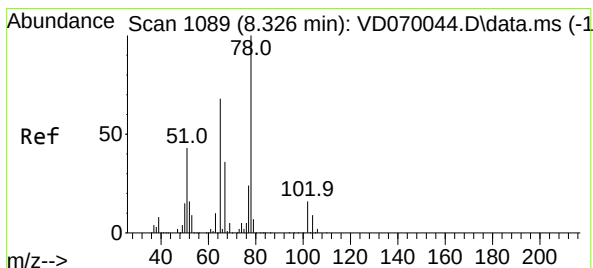
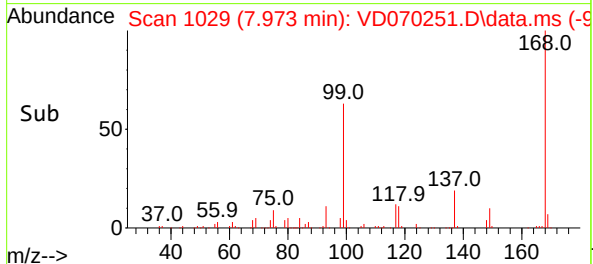
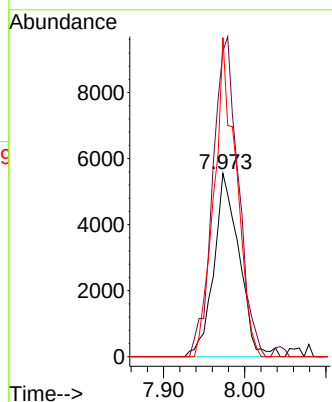
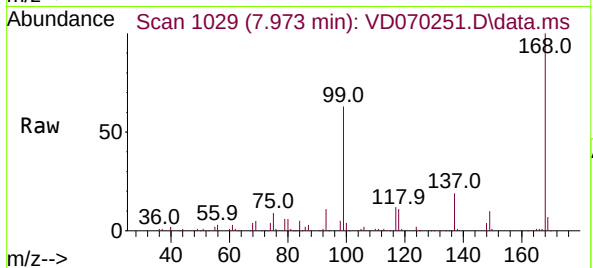




#31
Cyclohexane
Concen: 1.177 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD070251.D
Acq: 25 Aug 2021 15:12

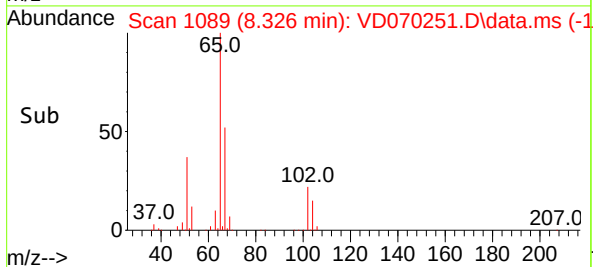
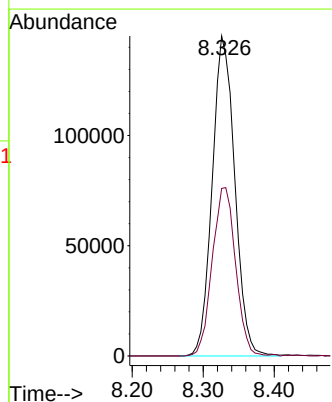
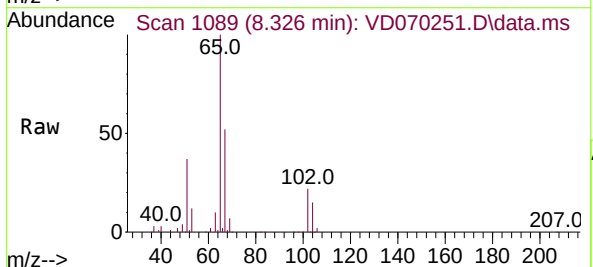
Instrument :
MSVOA_D
ClientSampleId :
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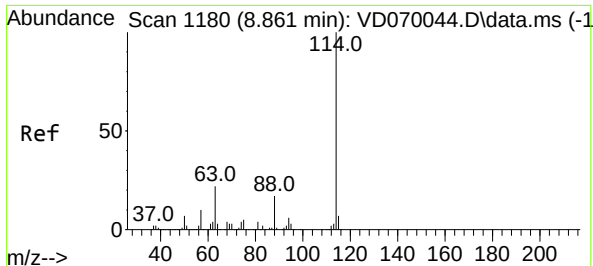
Tgt Ion: 56 Resp: 11991
Ion Ratio Lower Upper
56 100
69 166.6 26.7 40.1#
84 174.1 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 62.137 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070251.D
Acq: 25 Aug 2021 15:12

Tgt Ion: 65 Resp: 319907
Ion Ratio Lower Upper
65 100
67 54.3 0.0 107.8

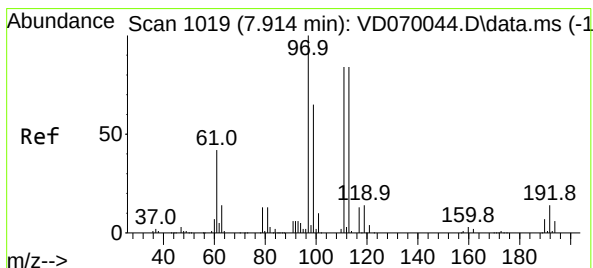
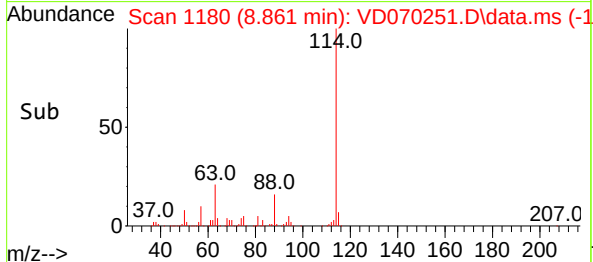
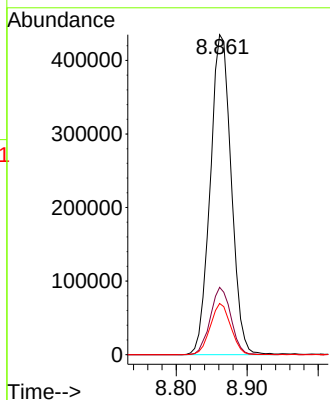
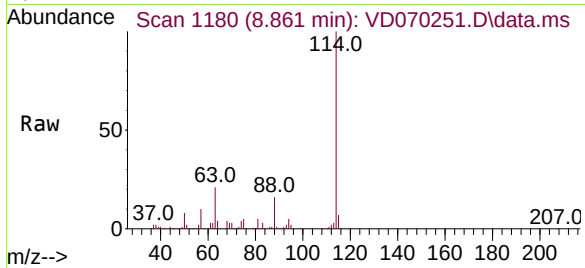




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070251.D
Acq: 25 Aug 2021 15:12

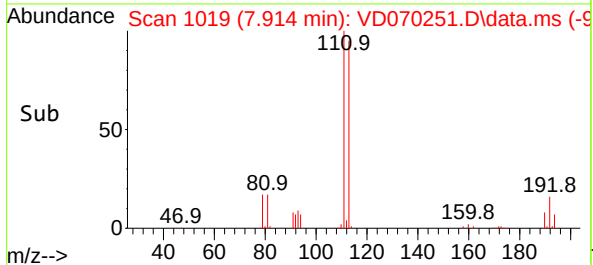
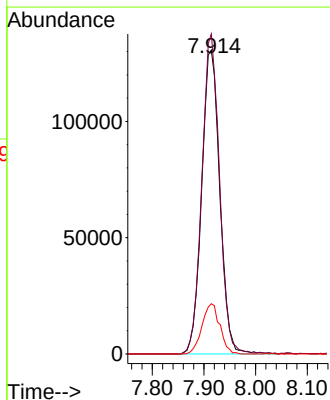
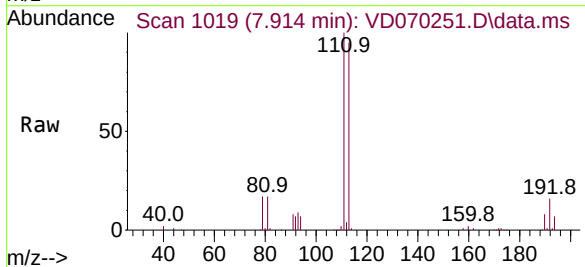
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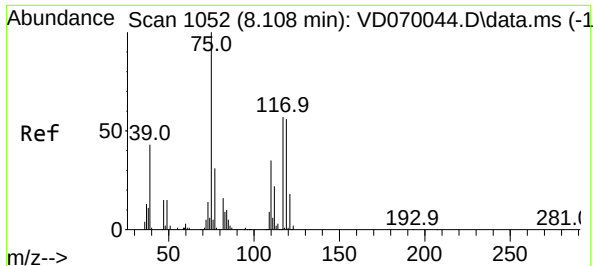
Tgt Ion:	114	Resp:	891391
Ion Ratio	Lower	Upper	
114	100		
63	21.0	0.0	43.6
88	16.0	0.0	33.4



#35
Dibromofluoromethane
Concen: 55.242 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD070251.D
Acq: 25 Aug 2021 15:12

Tgt Ion:	113	Resp:	318137
Ion Ratio	Lower	Upper	
113	100		
111	102.5	81.8	122.6
192	16.3	13.2	19.8

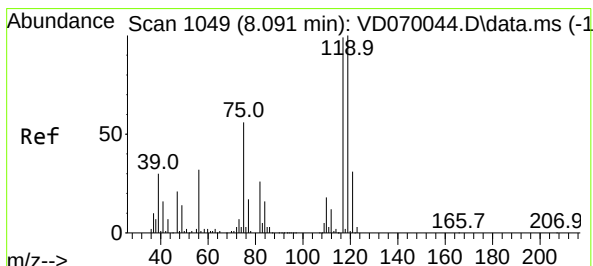
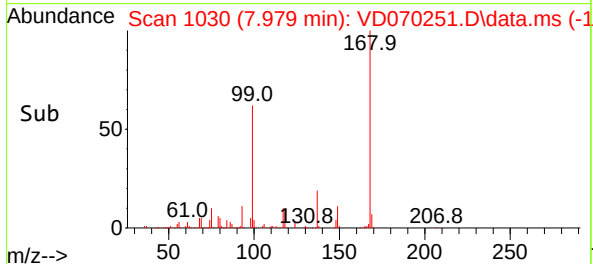
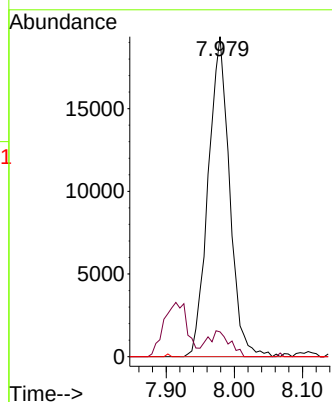
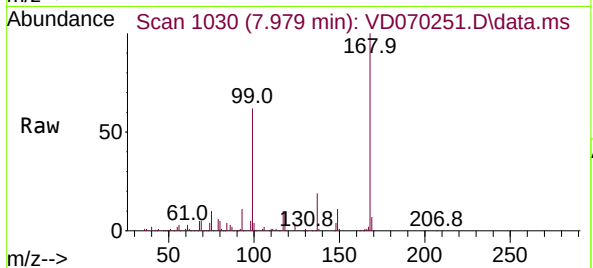




#36
1,1-Dichloropropene
Concen: 4.412 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD070251.D
Acq: 25 Aug 2021 15:12

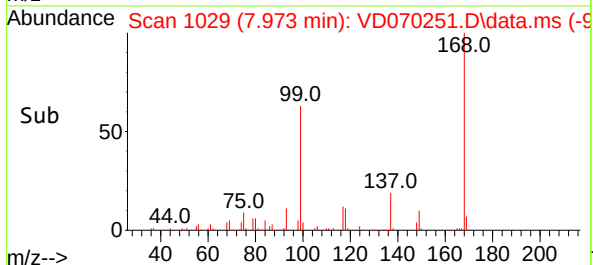
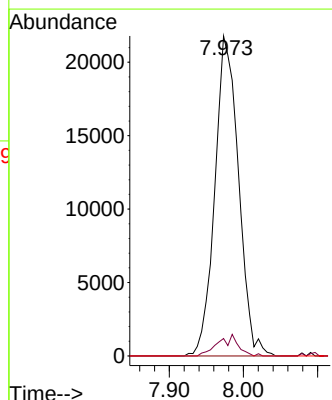
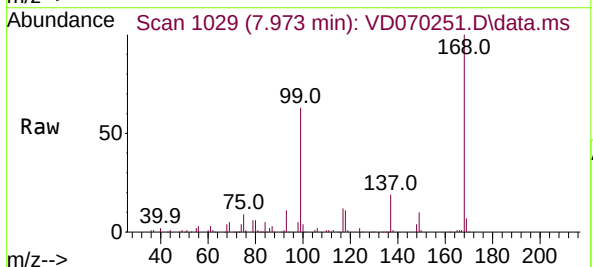
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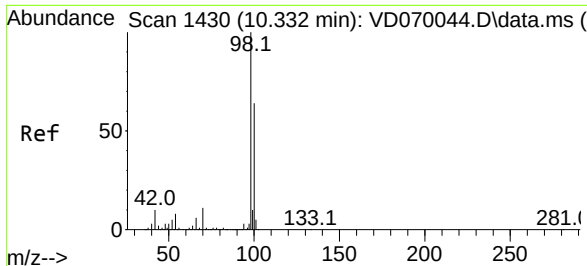
Tgt Ion: 75 Resp: 42311
Ion Ratio Lower Upper
75 100
110 8.1 16.9 50.7#
77 0.0 25.2 37.8#



#38
Carbon Tetrachloride
Concen: 5.561 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD070251.D
Acq: 25 Aug 2021 15:12

Tgt Ion: 117 Resp: 48416
Ion Ratio Lower Upper
117 100
119 5.4 81.0 121.6#
121 0.0 25.0 37.6#

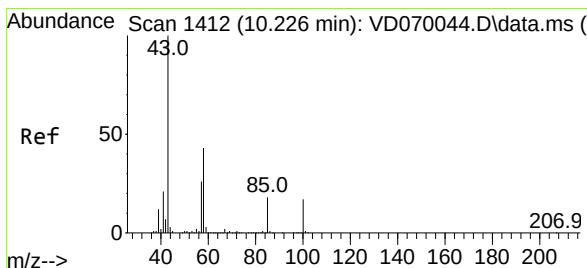
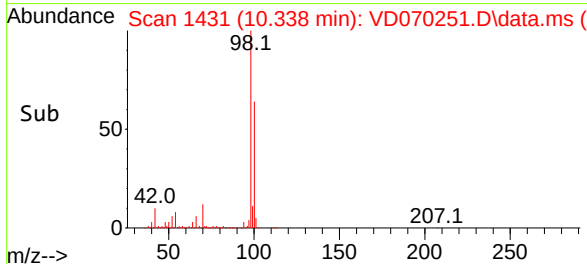
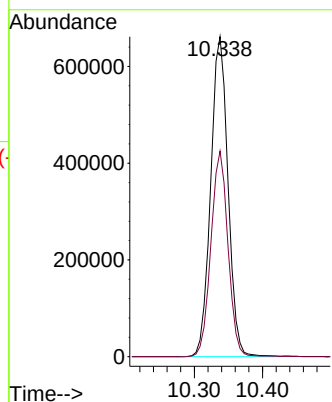
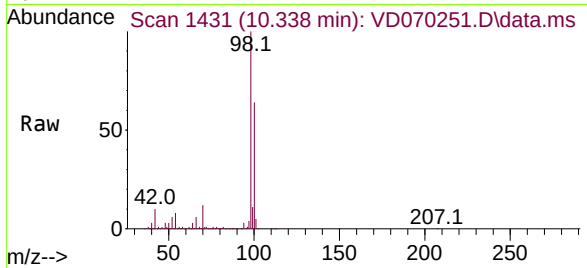




#50
Toluene-d8
Concen: 52.227 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070251.D
Acq: 25 Aug 2021 15:12

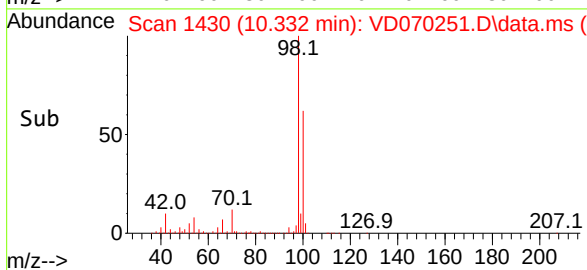
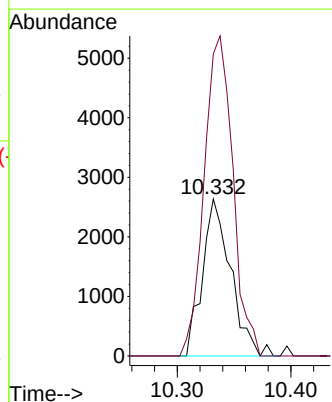
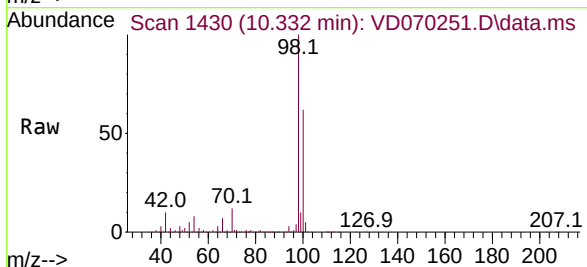
Instrument :
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SAMPLE-5-(184.50)-VOC-GRAB

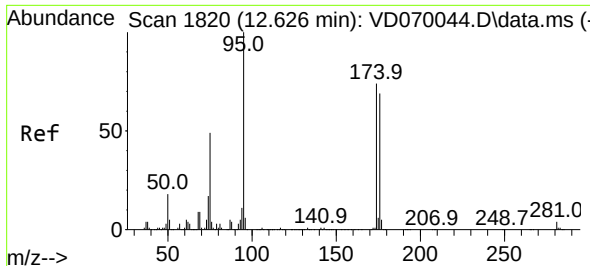
Tgt Ion: 98 Resp: 1169834
Ion Ratio Lower Upper
98 100
100 63.4 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.349 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.106 min
Lab File: VD070251.D
Acq: 25 Aug 2021 15:12

Tgt Ion: 43 Resp: 4561
Ion Ratio Lower Upper
43 100
58 207.4 33.9 50.9#

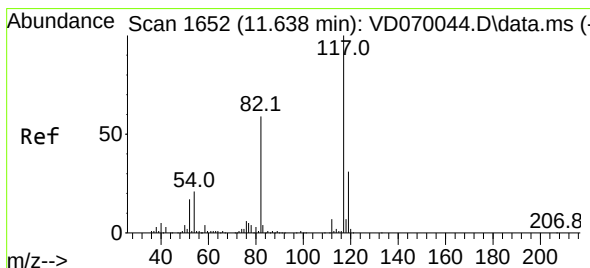
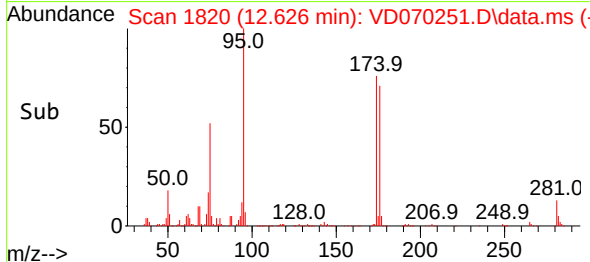
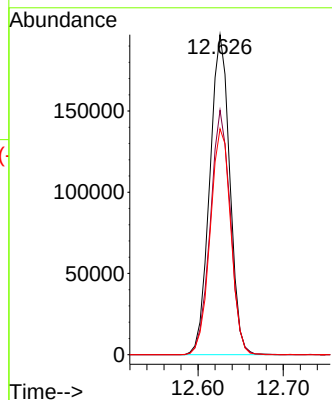
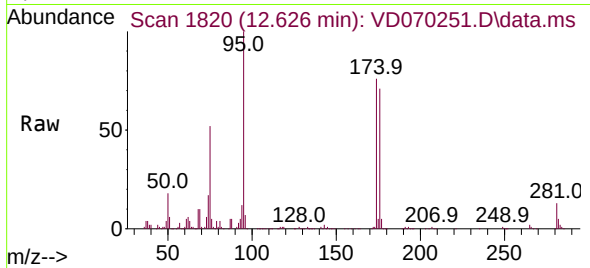




#62
4-Bromofluorobenzene
Concen: 43.517 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070251.D
Acq: 25 Aug 2021 15:12

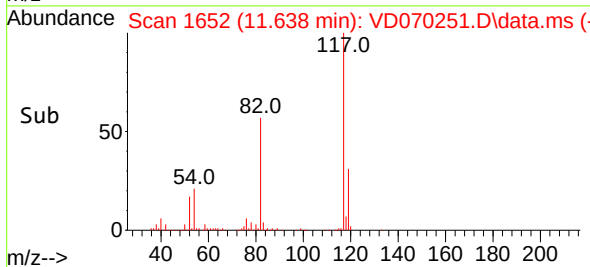
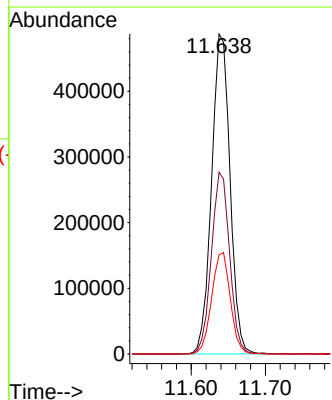
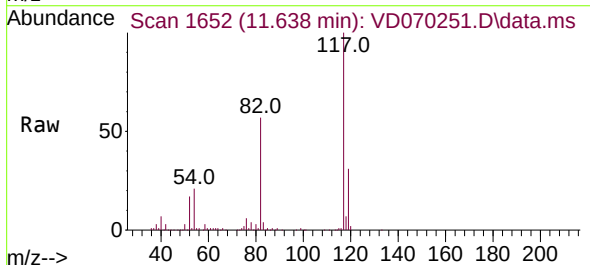
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-5-(184.50)-VOC-GRAB

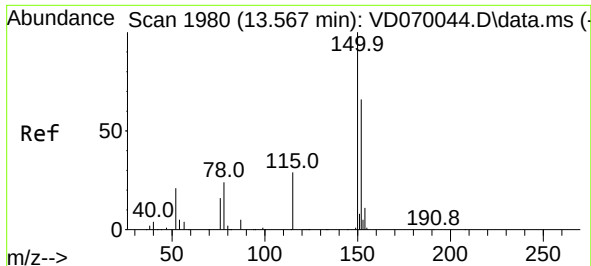
Tgt Ion: 95 Resp: 321058
Ion Ratio Lower Upper
95 100
174 76.6 0.0 141.6
176 72.6 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070251.D
Acq: 25 Aug 2021 15:12

Tgt Ion: 117 Resp: 841377
Ion Ratio Lower Upper
117 100
82 56.8 47.5 71.3
119 30.9 25.1 37.7

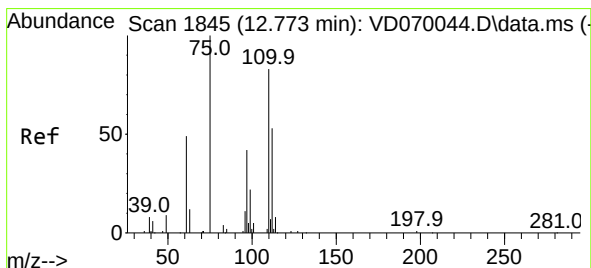
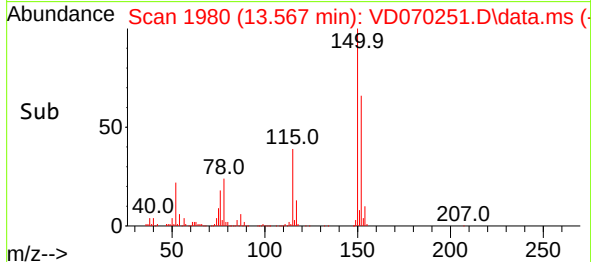
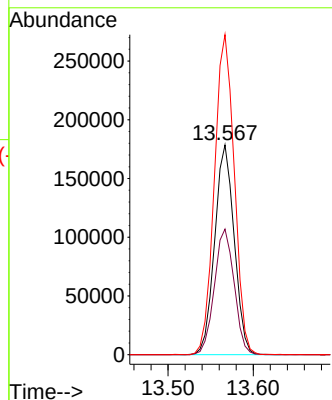
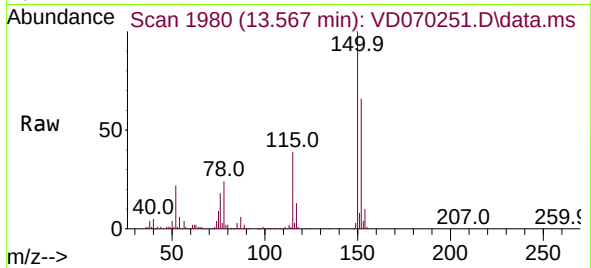




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD070251.D
 Acq: 25 Aug 2021 15:12

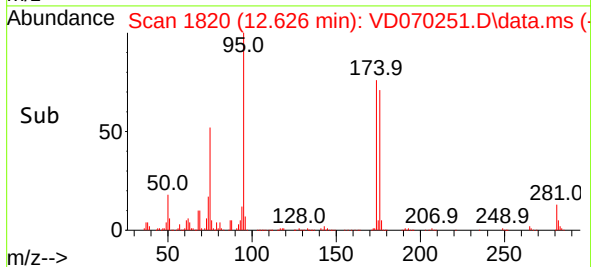
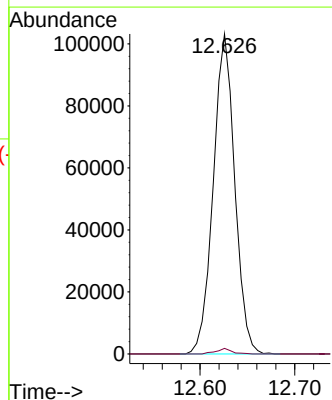
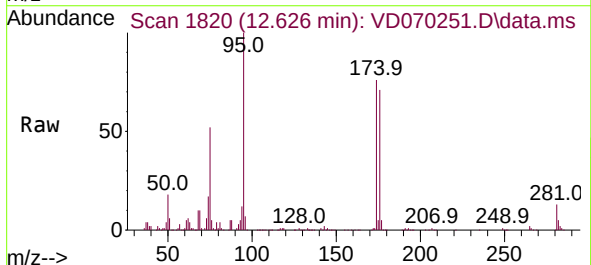
Instrument :
 MSVOA_D
 ClientSampleId :
 SAMPLE-5-(184.50)-VOC-GRAB

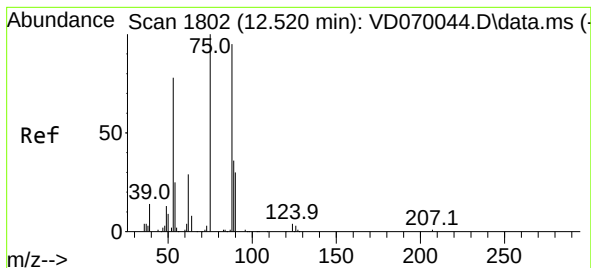
Tgt Ion:152 Resp: 284859
 Ion Ratio Lower Upper
 152 100
 115 60.6 31.2 93.6
 150 155.6 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 56.258 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD070251.D
 Acq: 25 Aug 2021 15:12

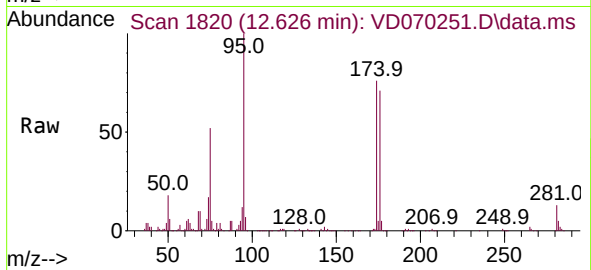
Tgt Ion: 75 Resp: 162523
 Ion Ratio Lower Upper
 75 100
 77 1.3 182.4 547.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 146.026 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD070251.D
 Acq: 25 Aug 2021 15:12

Instrument :
 MSVOA_D
 ClientSampleId :
 SAMPLE-5-(184.50)-VOC-GRAB



Tgt Ion: 75 Resp: 162523
 Ion Ratio Lower Upper
 75 100
 53 0.5 64.5 96.7#
 89 0.2 33.7 50.5#

