

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081921\
 Data File : VD070162.D
 Acq On : 19 Aug 2021 12:28
 Operator : VA/SY
 Sample : M3435-05RE
 Misc : 5.62G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 20 05:46:49 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)

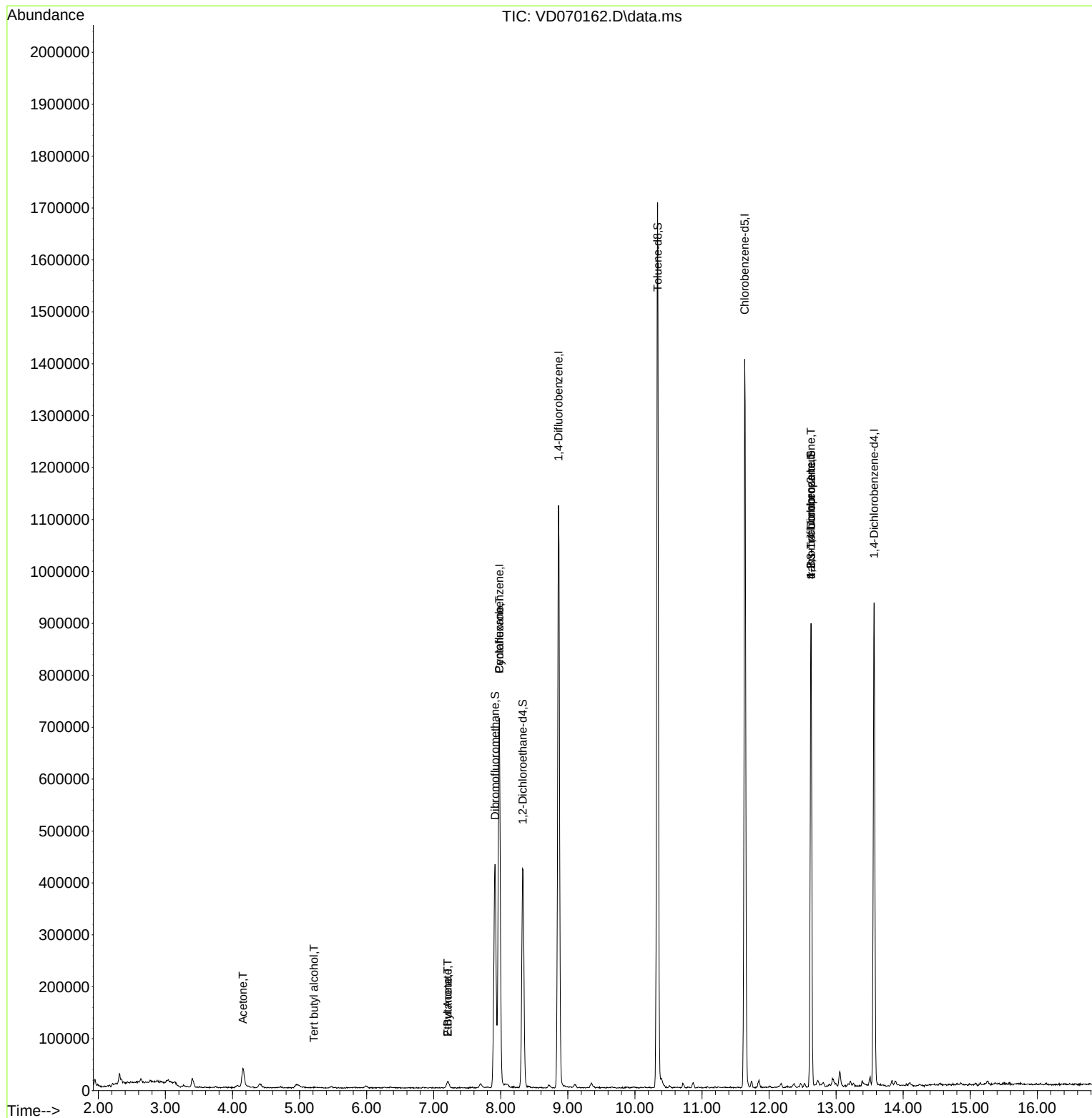
Internal Standards						
1) Pentafluorobenzene	7.979	168	490173	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	943533	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	810773	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	251286	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	333354	57.822	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 115.640%	
35) Dibromofluoromethane	7.914	113	319807	52.463	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.920%	
50) Toluene-d8	10.337	98	1166441	49.197	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.400%	
62) 4-Bromofluorobenzene	12.626	95	302088	38.683	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 77.360%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	1961	Below Cal		89
3) Chloromethane	2.208	50	3300	Below Cal	#	87
5) Bromomethane	2.773	94	3178	Below Cal	#	69
11) Tert butyl alcohol	5.214	59	1138	3.571	ug/l #	71
16) Acetone	4.155	43	63231	59.537	ug/l	98
20) Methylene Chloride	4.961	84	4981	Below Cal	#	90
25) 2-Butanone	7.208	43	12841	8.848	ug/l	98
31) Cyclohexane	7.979	56	14032	1.230	ug/l #	1
37) Ethyl Acetate	7.208	43	12841	3.483	ug/l #	83
76) 1,2,3-Trichloropropane	12.626	75	149940	58.837	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	149940	152.720	ug/l #	17

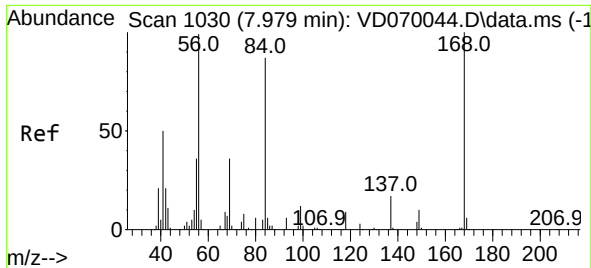
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 20 05:46:49 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

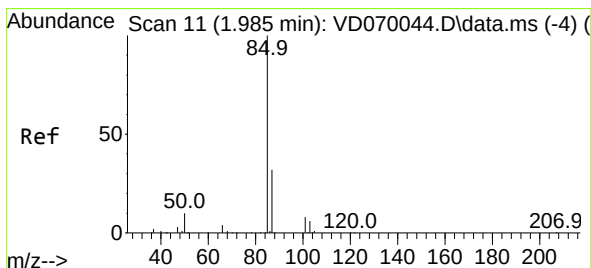
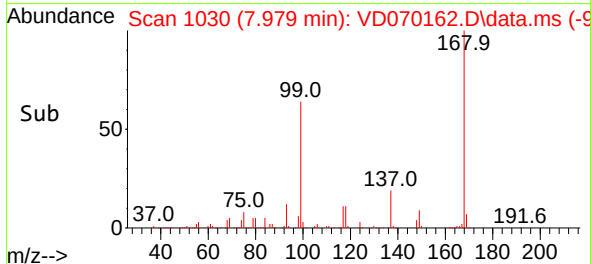
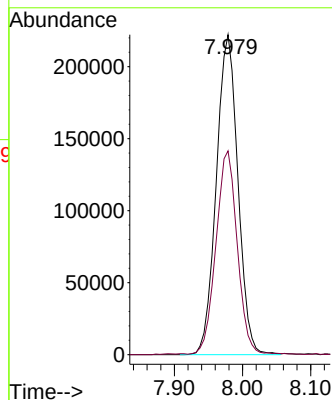
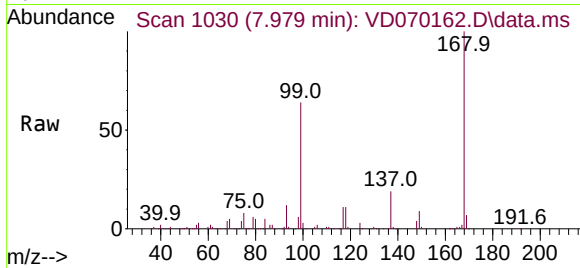




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070162.D
Acq: 19 Aug 2021 12:28

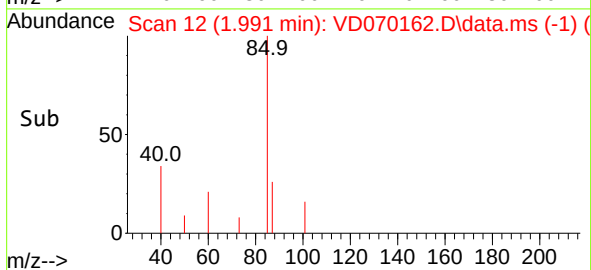
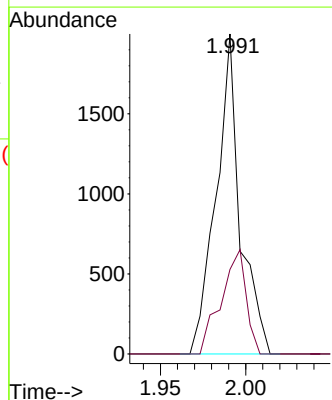
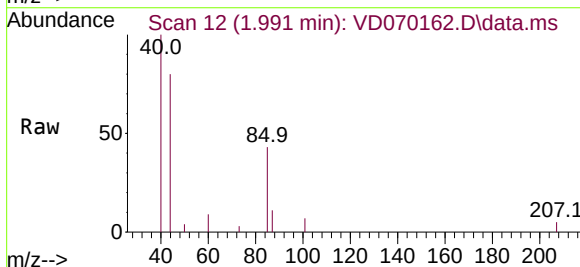
Instrument :
MSVOA_D
ClientSampleId :

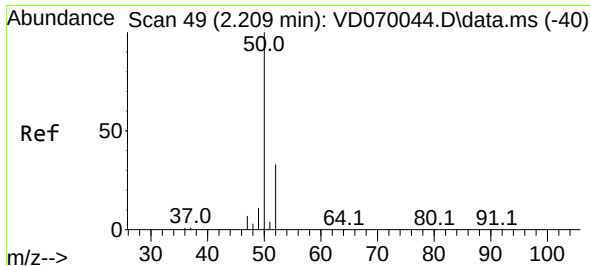
Tgt Ion:168 Resp: 490173
Ion Ratio Lower Upper
168 100
99 63.4 50.3 75.5



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.006 min
Lab File: VD070162.D
Acq: 19 Aug 2021 12:28

Tgt Ion: 85 Resp: 1961
Ion Ratio Lower Upper
85 100
87 26.4 16.2 48.6

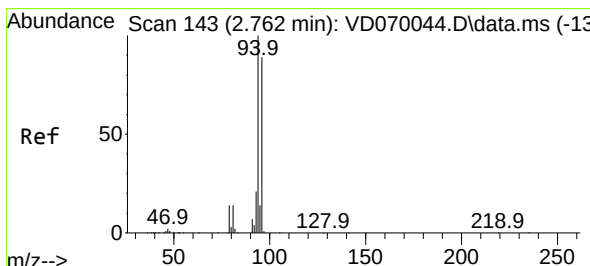
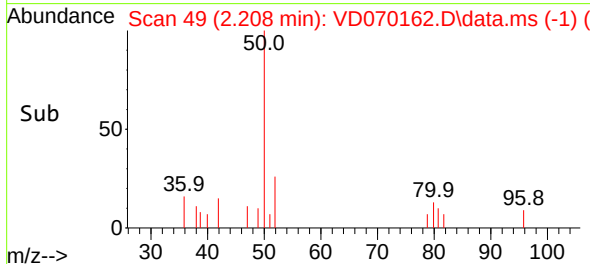
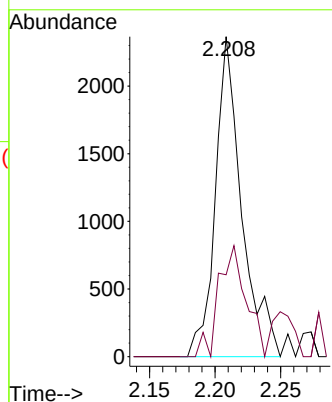
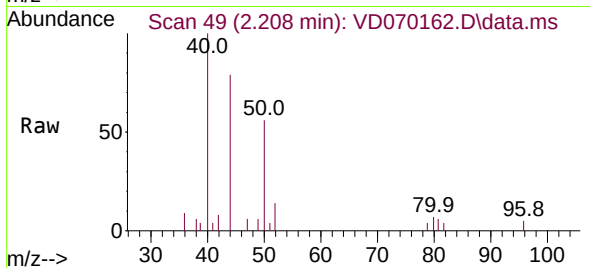




#3
Chloromethane
Concen: Below Cal
RT: 2.208 min Scan# 49
Delta R.T. -0.001 min
Lab File: VD070162.D
Acq: 19 Aug 2021 12:28

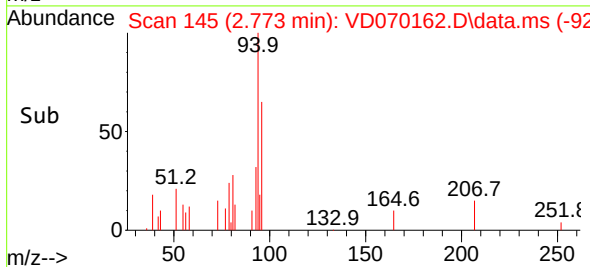
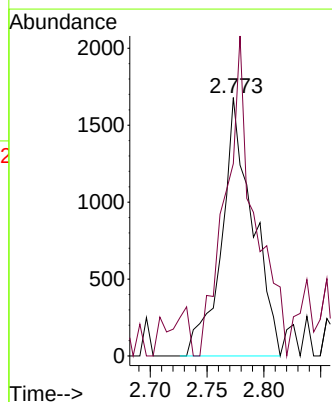
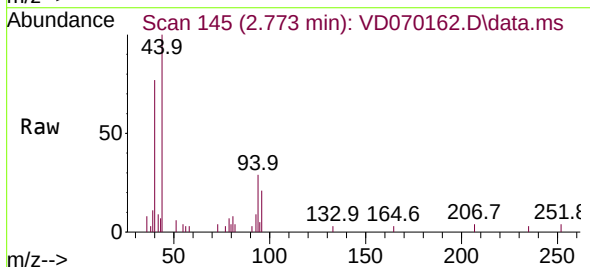
Instrument :
MSVOA_D
ClientSampled :

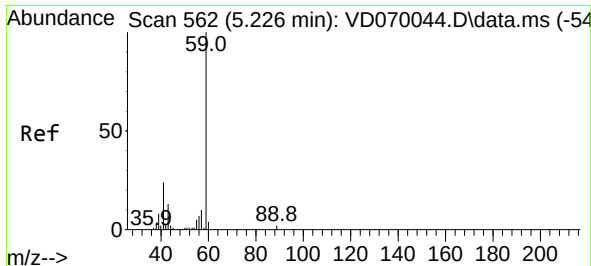
Tgt Ion: 50 Resp: 3300
Ion Ratio Lower Upper
50 100
52 25.6 26.3 39.5#



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD070162.D
Acq: 19 Aug 2021 12:28

Tgt Ion: 94 Resp: 3178
Ion Ratio Lower Upper
94 100
96 59.6 70.9 106.3#



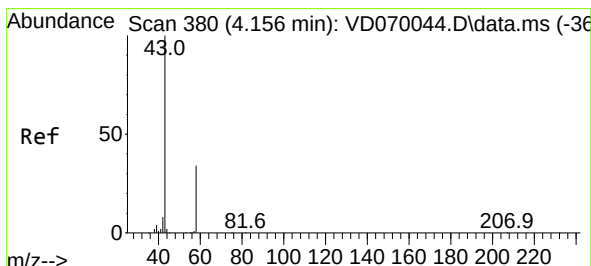
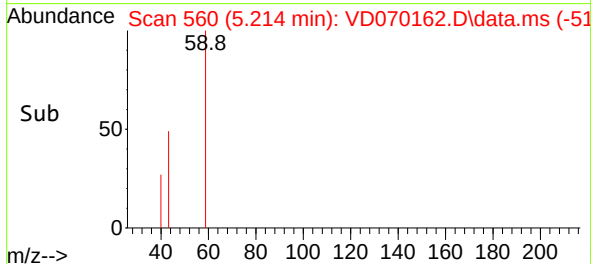
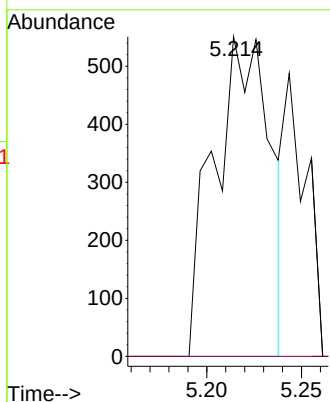
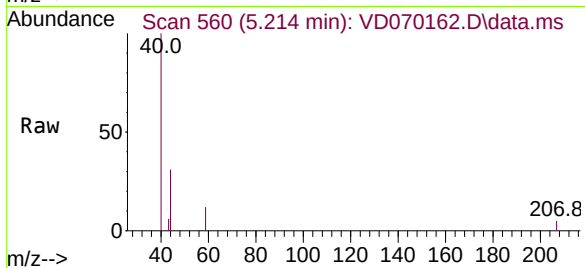


#11

Tert butyl alcohol
Concen: 3.571 ug/l
RT: 5.214 min Scan# 560
Delta R.T. -0.012 min
Lab File: VD070162.D
Acq: 19 Aug 2021 12:28

Instrument :
MSVOA_D
ClientSampleId :

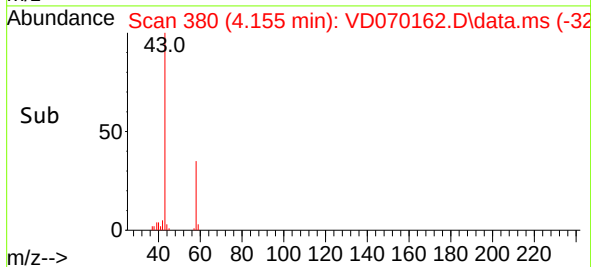
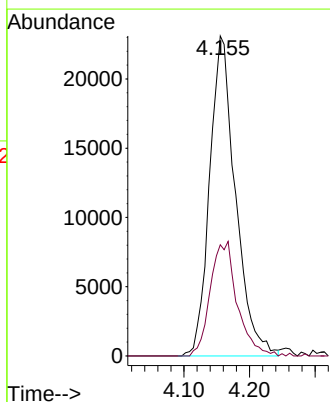
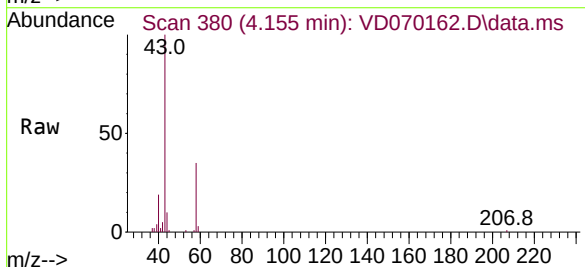
Tgt Ion: 59 Resp: 1138
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

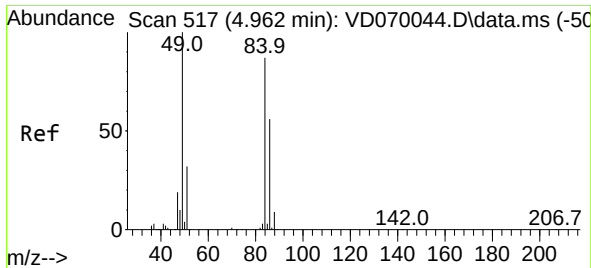


#16

Acetone
Concen: 59.537 ug/l
RT: 4.155 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD070162.D
Acq: 19 Aug 2021 12:28

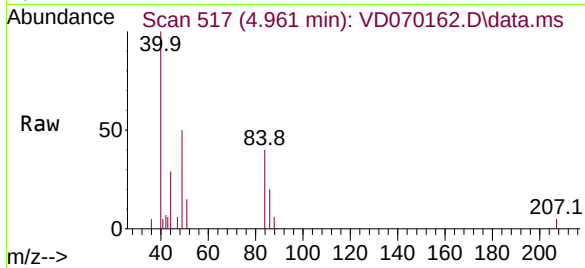
Tgt Ion: 43 Resp: 63231
Ion Ratio Lower Upper
43 100
58 34.7 26.8 40.2



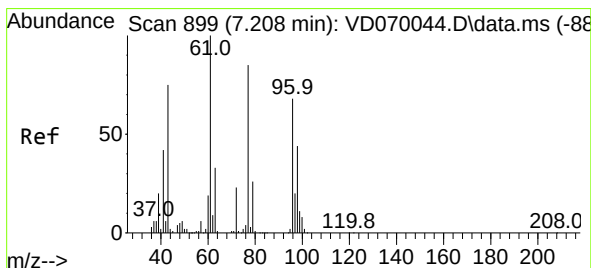
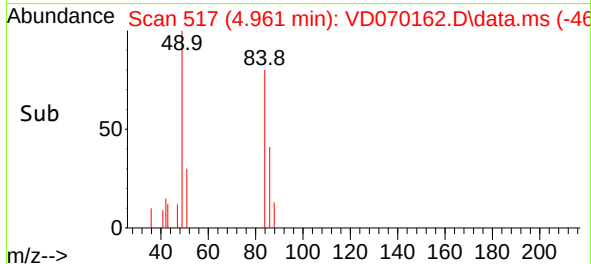
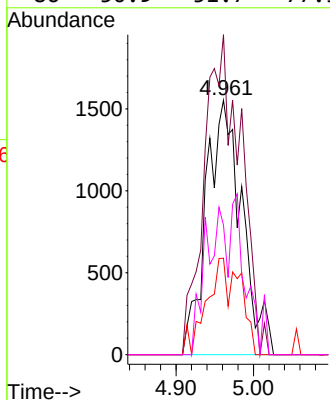


#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD070162.D
Acq: 19 Aug 2021 12:28

Instrument :
MSVOA_D
ClientSampled :

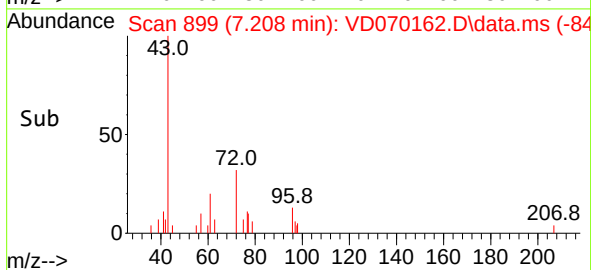
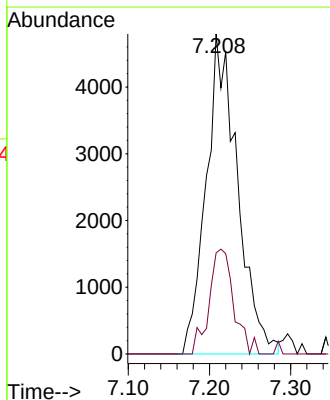
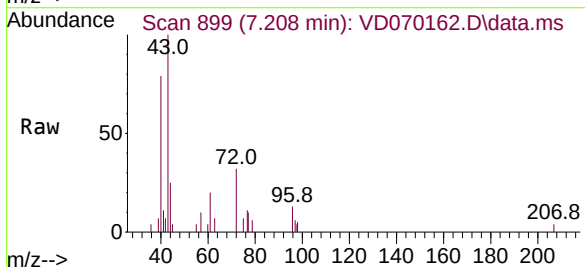


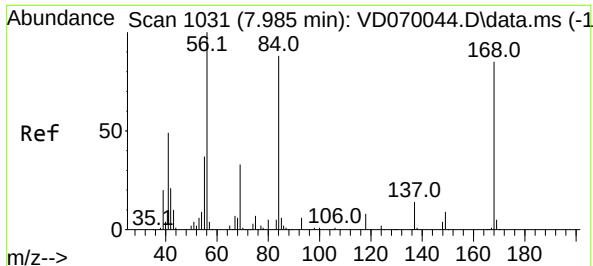
Tgt Ion:	84	Resp:	4981
Ion	Ratio	Lower	Upper
84	100		
49	125.8	92.5	138.7
51	37.9	29.7	44.5
86	50.9	51.7	77.5#



#25
2-Butanone
Concen: 8.848 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.000 min
Lab File: VD070162.D
Acq: 19 Aug 2021 12:28

Tgt Ion:	43	Resp:	12841
Ion	Ratio	Lower	Upper
43	100		
72	31.6	24.2	36.4





#31

Cyclohexane

Concen: 1.230 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD070162.D

Acq: 19 Aug 2021 12:28

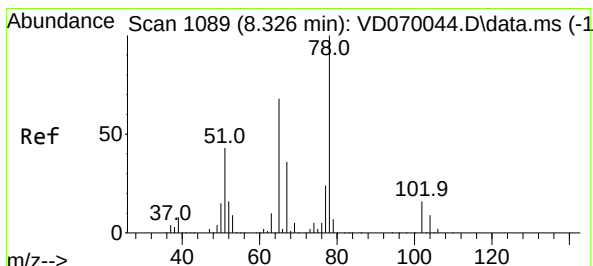
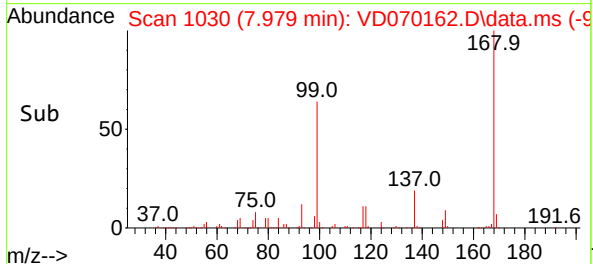
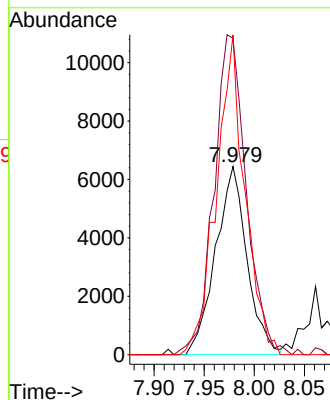
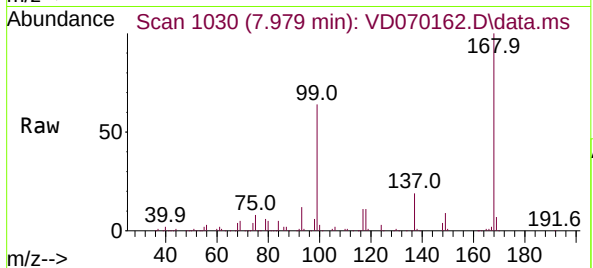
Tgt Ion: 56 Resp: 14032

Ion Ratio Lower Upper

56 100

69 165.6 26.7 40.1#

84 169.9 70.4 105.6#



#33

1,2-Dichloroethane-d4

Concen: 57.822 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD070162.D

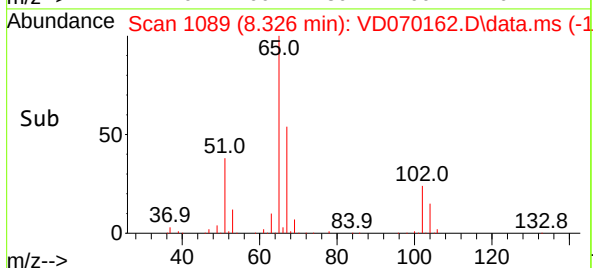
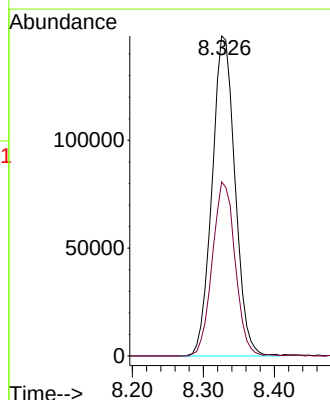
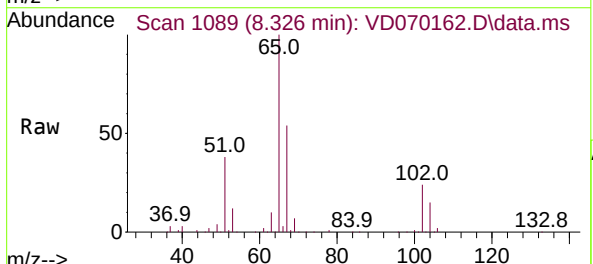
Acq: 19 Aug 2021 12:28

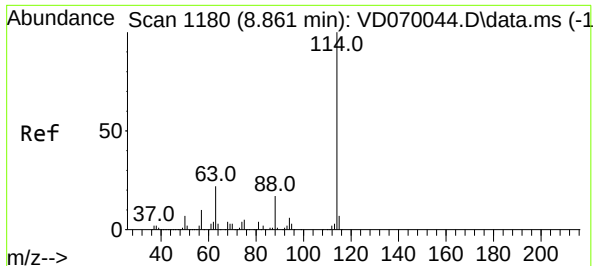
Tgt Ion: 65 Resp: 333354

Ion Ratio Lower Upper

65 100

67 54.0 0.0 107.8



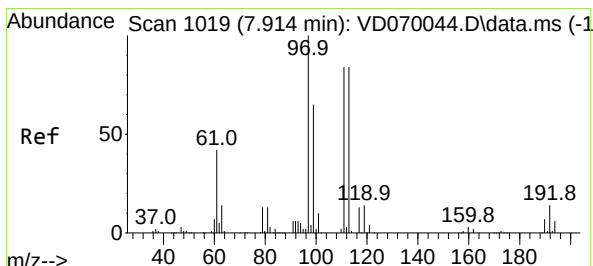
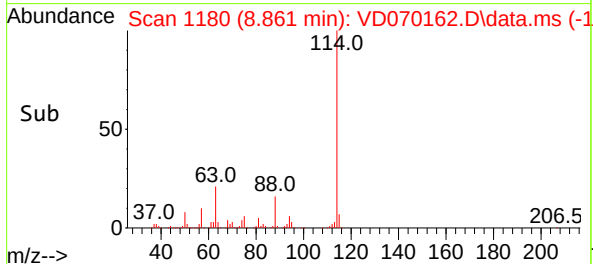
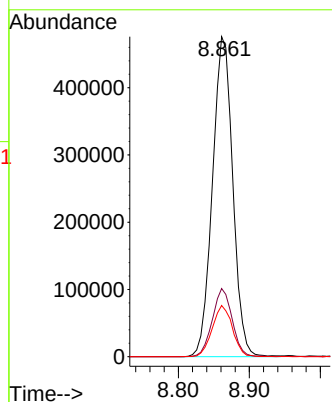
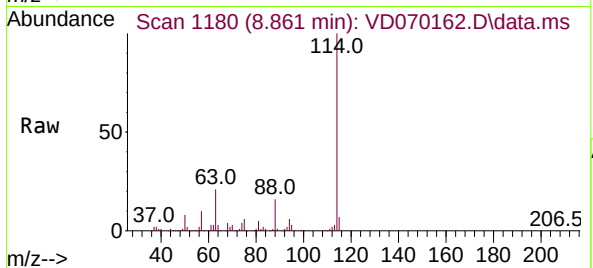


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070162.D
Acq: 19 Aug 2021 12:28

Instrument :
MSVOA_D
ClientSampleId :

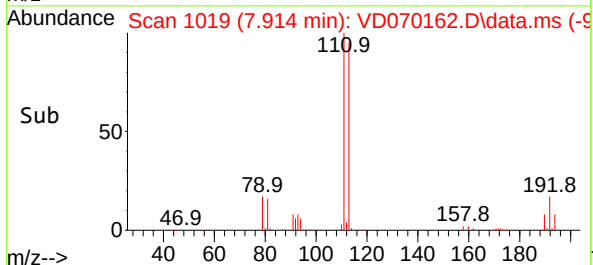
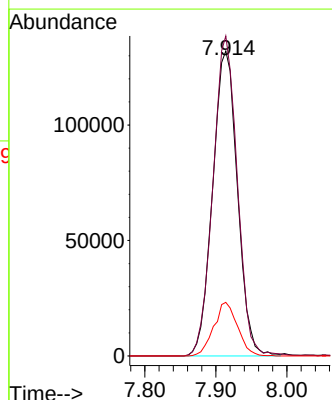
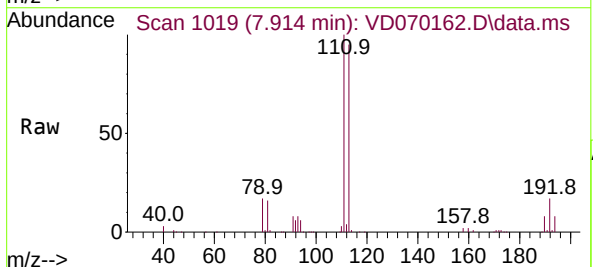
Tgt Ion:	114	Resp:	943533
Ion Ratio	Lower	Upper	
114	100		
63	21.3	0.0	43.6
88	16.0	0.0	33.4

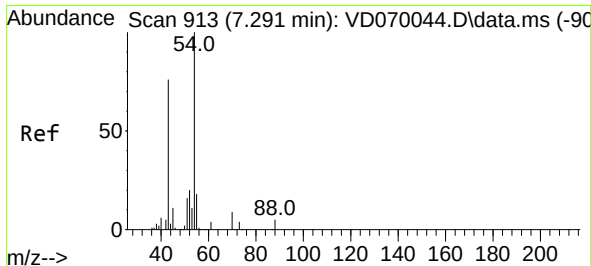


#35

Dibromofluoromethane
Concen: 52.463 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD070162.D
Acq: 19 Aug 2021 12:28

Tgt Ion:	113	Resp:	319807
Ion Ratio	Lower	Upper	
113	100		
111	102.9	81.8	122.6
192	16.9	13.2	19.8





#37

Ethyl Acetate

Concen: 3.483 ug/l

RT: 7.208 min Scan# 899

Delta R.T. -0.083 min

Lab File: VD070162.D

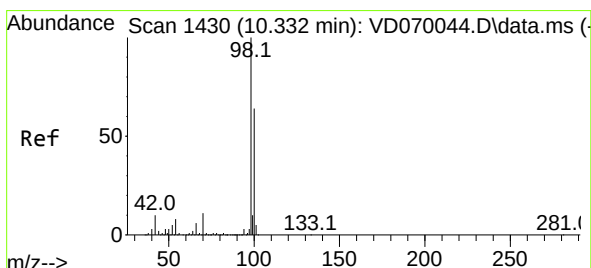
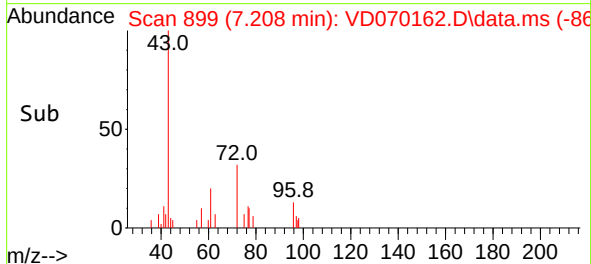
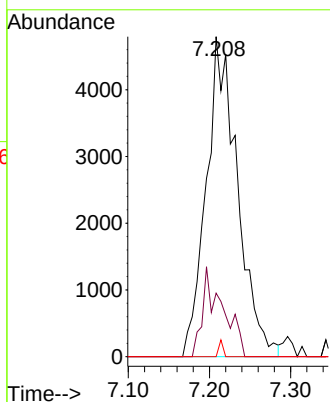
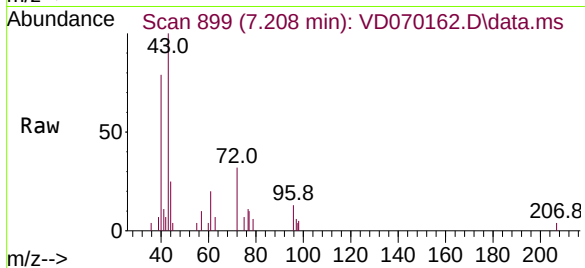
Acq: 19 Aug 2021 12:28

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	43	Resp:	12841
Ion	Ratio	Lower	Upper
43	100		
61	18.3	11.8	17.6#
70	0.7	9.0	13.6#



#50

Toluene-d8

Concen: 49.197 ug/l

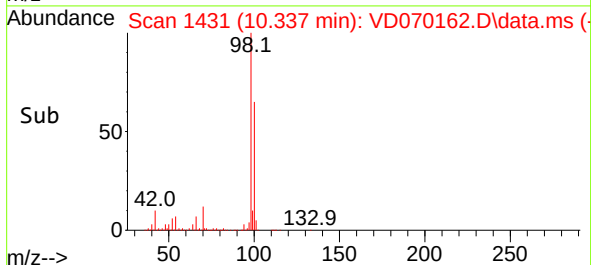
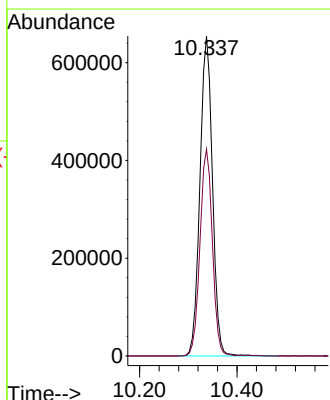
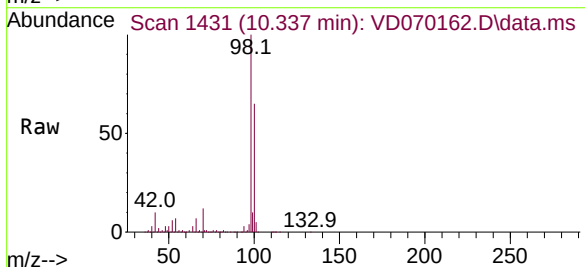
RT: 10.337 min Scan# 1431

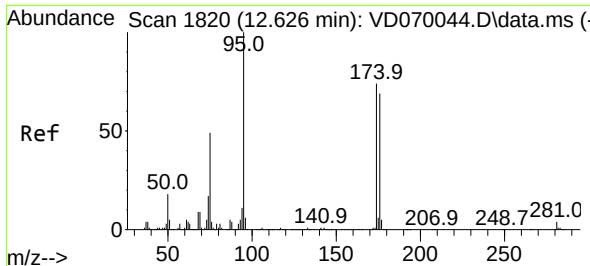
Delta R.T. 0.006 min

Lab File: VD070162.D

Acq: 19 Aug 2021 12:28

Tgt Ion:	98	Resp:	1166441
Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.6	78.8

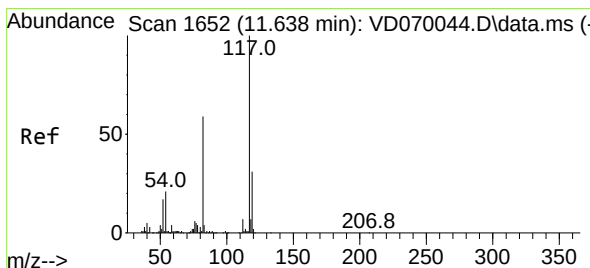
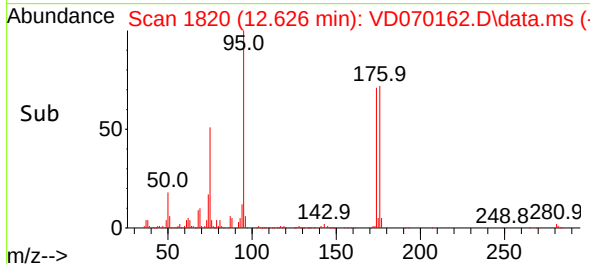
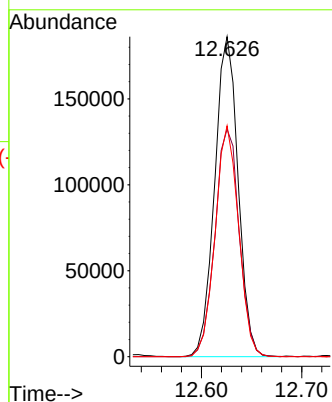
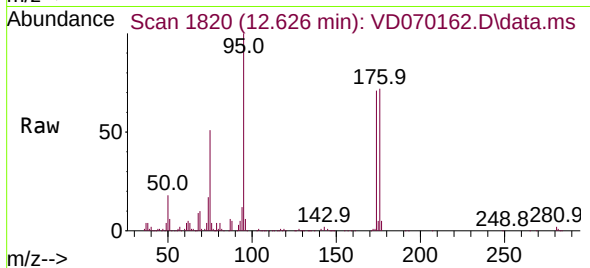




#62
4-Bromofluorobenzene
Concen: 38.683 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070162.D
Acq: 19 Aug 2021 12:28

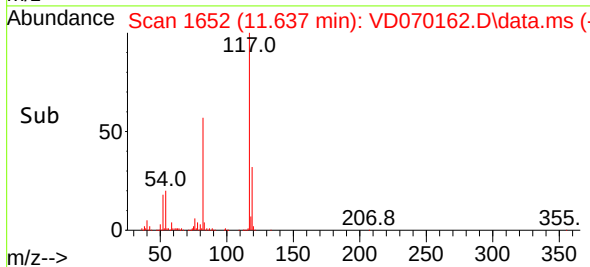
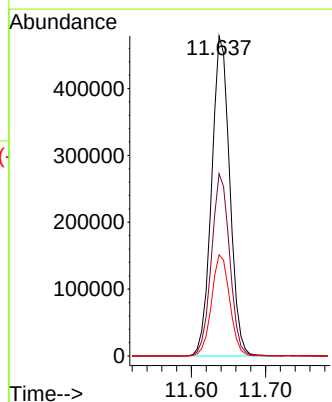
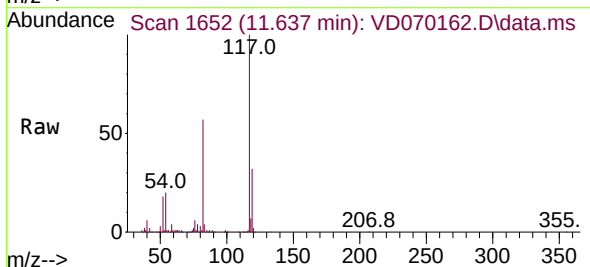
Instrument :
MSVOA_D
ClientSampleId :

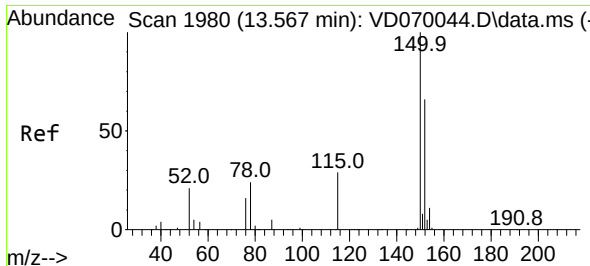
Tgt Ion: 95 Resp: 302088
Ion Ratio Lower Upper
95 100
174 73.7 0.0 141.6
176 72.3 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070162.D
Acq: 19 Aug 2021 12:28

Tgt Ion: 117 Resp: 810773
Ion Ratio Lower Upper
117 100
82 57.0 47.5 71.3
119 31.7 25.1 37.7

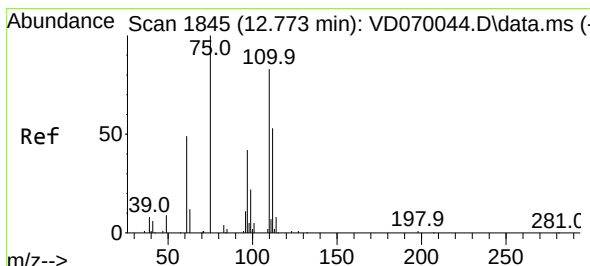
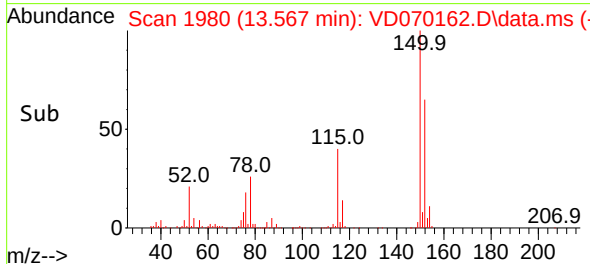
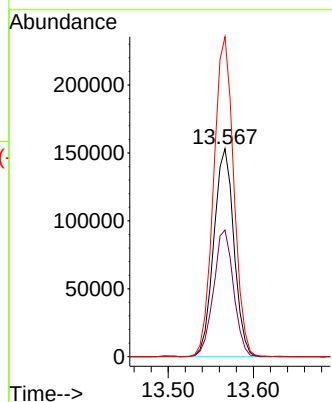
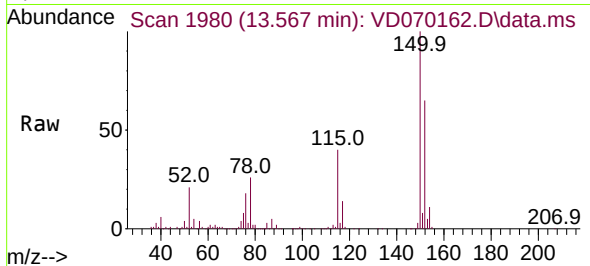




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070162.D
Acq: 19 Aug 2021 12:28

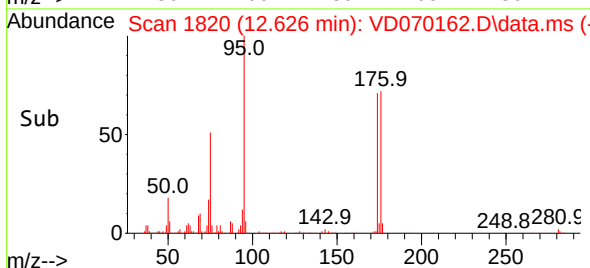
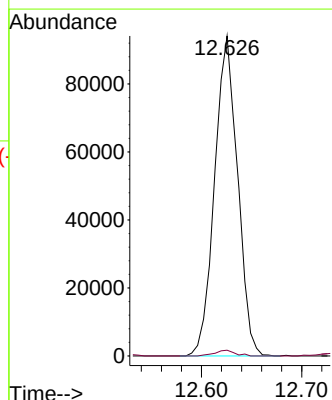
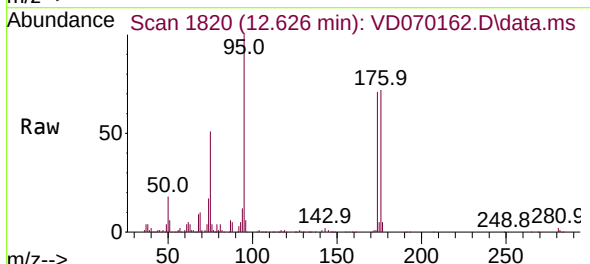
Instrument :
MSVOA_D
ClientSampleId :

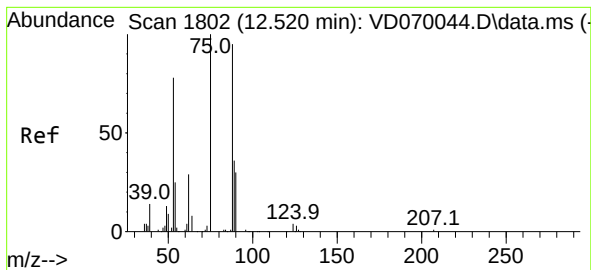
Tgt Ion:152 Resp: 251286
Ion Ratio Lower Upper
152 100
115 60.4 31.2 93.6
150 153.6 0.0 352.0



#76
1,2,3-Trichloropropane
Concen: 58.837 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070162.D
Acq: 19 Aug 2021 12:28

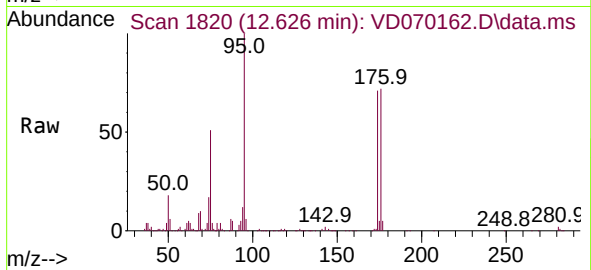
Tgt Ion: 75 Resp: 149940
Ion Ratio Lower Upper
75 100
77 1.6 182.4 547.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 152.720 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD070162.D
 Acq: 19 Aug 2021 12:28

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 149940
 Ion Ratio Lower Upper
 75 100
 53 0.0 64.5 96.7#
 89 0.0 33.7 50.5#

