

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082321\
 Data File : VD070228.D
 Acq On : 23 Aug 2021 18:44
 Operator : VA/SY
 Sample : M3510-01
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 24 01:32:27 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)

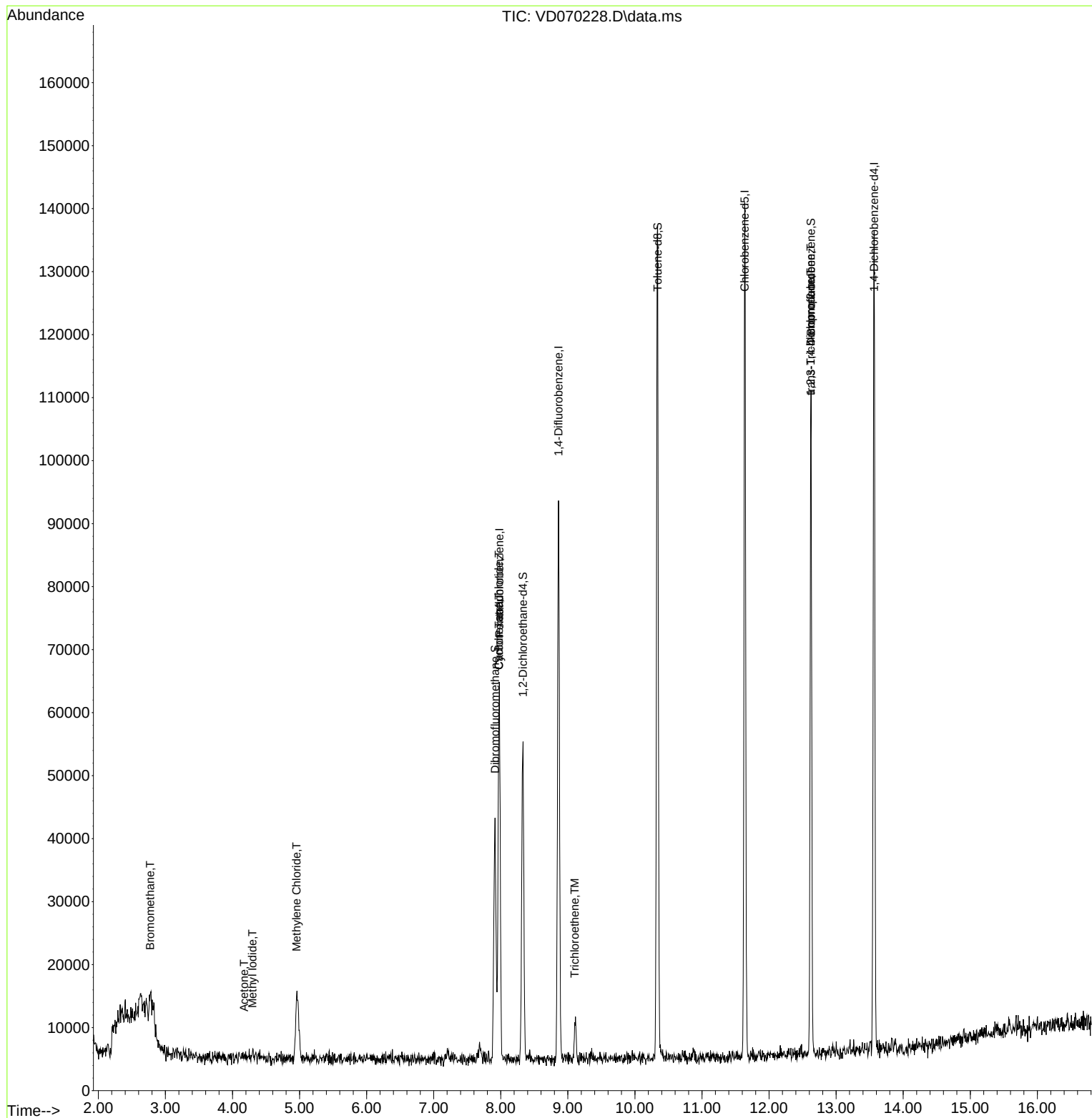
Internal Standards						
1) Pentafluorobenzene	7.979	168	40619	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	73948	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	77822	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	37933	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	39307	82.276	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 164.560%#	
35) Dibromofluoromethane	7.914	113	27460	57.478	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.960%	
50) Toluene-d8	10.338	98	94531	50.873	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.740%	
62) 4-Bromofluorobenzene	12.626	95	36471	59.589	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 119.180%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	287	Below Cal	#	42
3) Chloromethane	2.203	50	1032	Below Cal		92
5) Bromomethane	2.773	94	2397	2.271	ug/l #	74
10) Methyl Iodide	4.297	142	907	1.889	ug/l #	64
16) Acetone	4.173	43	747	8.488	ug/l #	41
20) Methylene Chloride	4.956	84	8692	7.575	ug/l #	95
31) Cyclohexane	7.973	56	1491	1.577	ug/l #	42
38) Carbon Tetrachloride	7.973	117	4436	6.142	ug/l #	10
44) Trichloroethene	9.102	130	2521	4.523	ug/l	48
76) 1,2,3-Trichloropropane	12.620	75	17156	44.597	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	17156	115.756	ug/l #	17

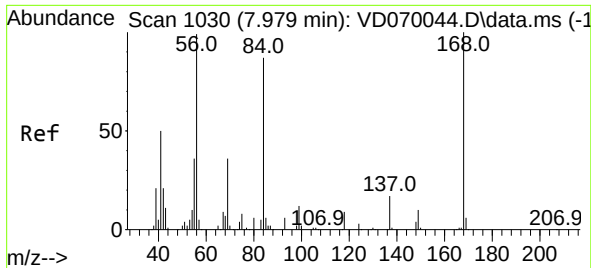
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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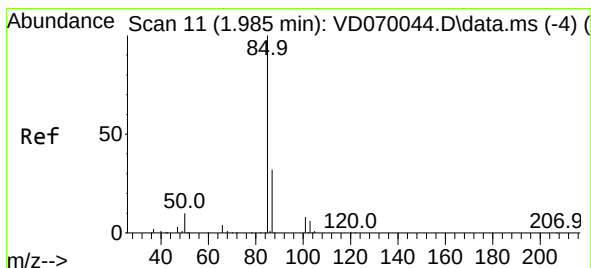
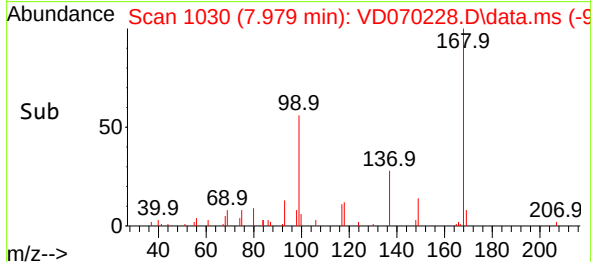
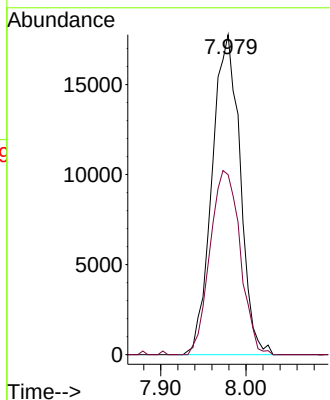
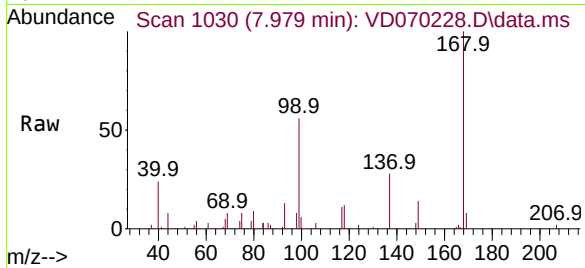




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070228.D
Acq: 23 Aug 2021 18:44

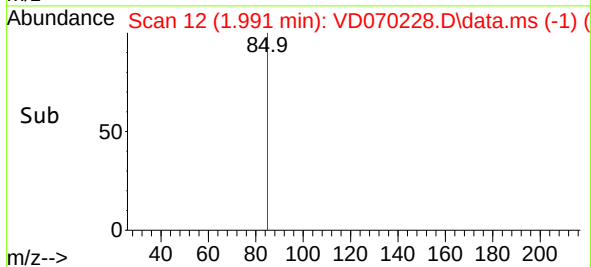
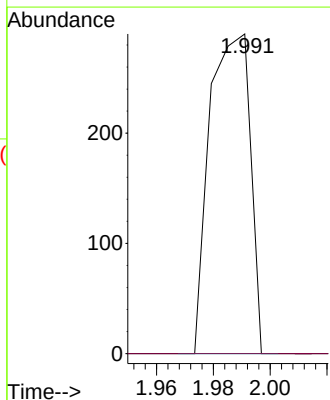
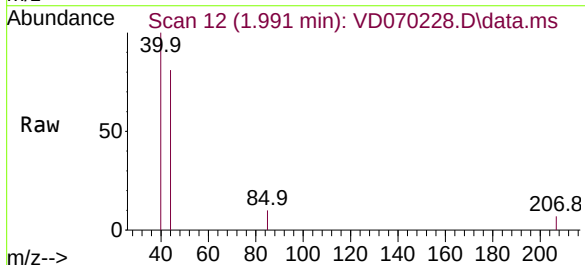
Instrument :
MSVOA_D
ClientSampled :

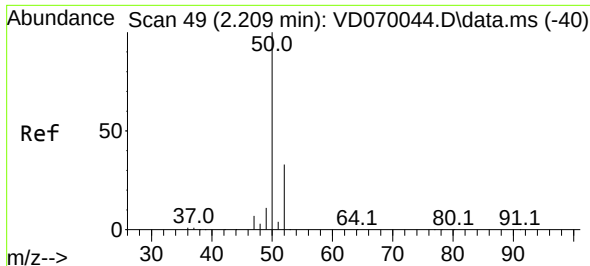
Tgt Ion:168 Resp: 40619
Ion Ratio Lower Upper
168 100
99 56.3 50.3 75.5



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.006 min
Lab File: VD070228.D
Acq: 23 Aug 2021 18:44

Tgt Ion: 85 Resp: 287
Ion Ratio Lower Upper
85 100
87 0.0 16.2 48.6#

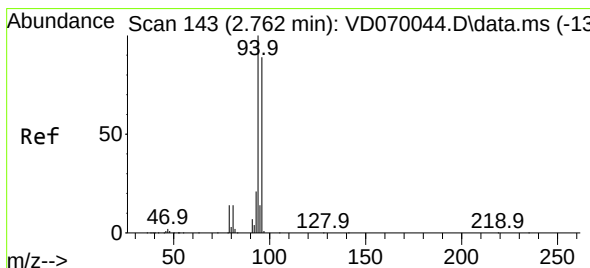
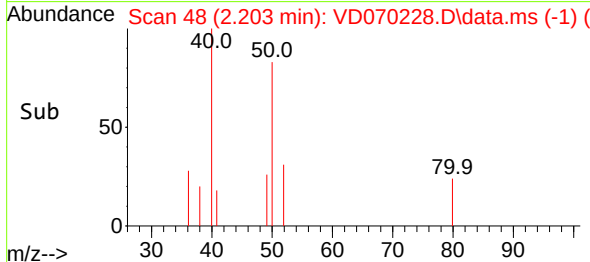
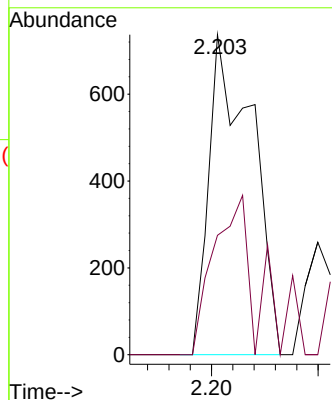
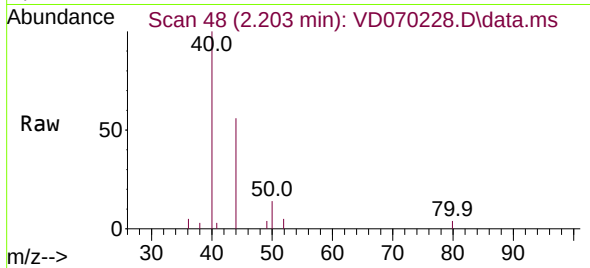




#3
Chloromethane
Concen: Below Cal
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD070228.D
Acq: 23 Aug 2021 18:44

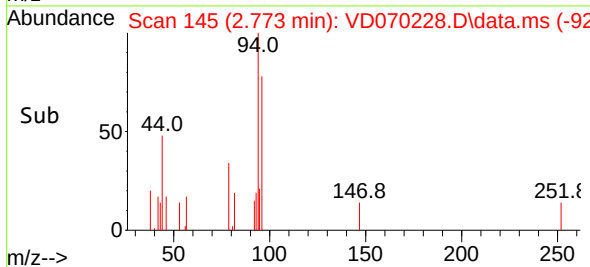
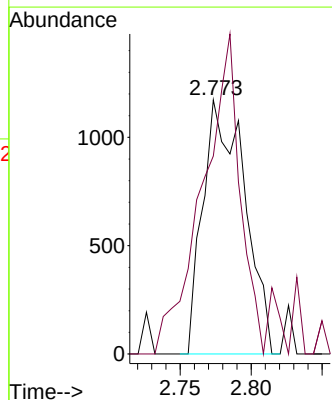
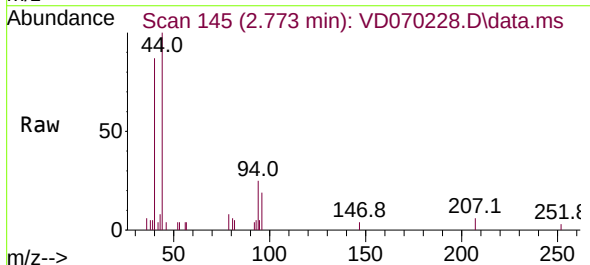
Instrument :
MSVOA_D
ClientSampled :

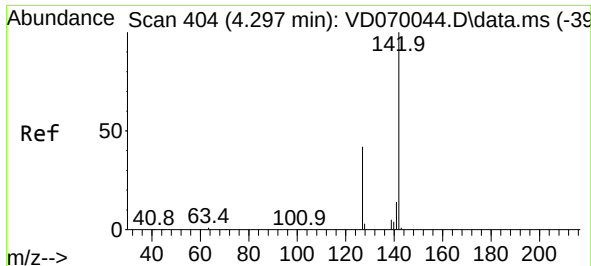
Tgt Ion: 50 Resp: 1032
Ion Ratio Lower Upper
50 100
52 37.3 26.3 39.5



#5
Bromomethane
Concen: 2.271 ug/l
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD070228.D
Acq: 23 Aug 2021 18:44

Tgt Ion: 94 Resp: 2397
Ion Ratio Lower Upper
94 100
96 63.9 70.9 106.3#

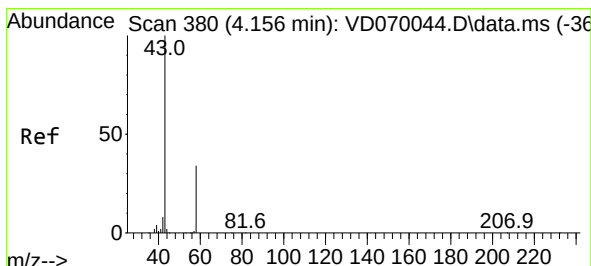
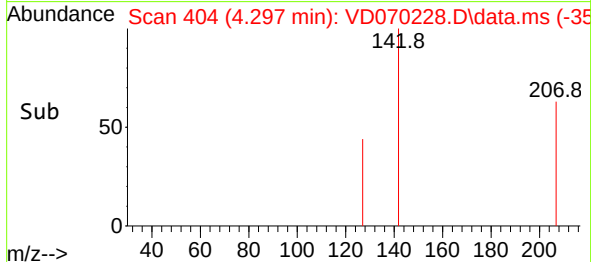
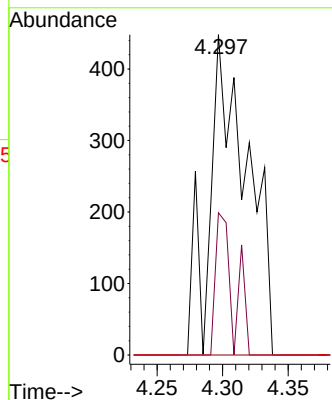
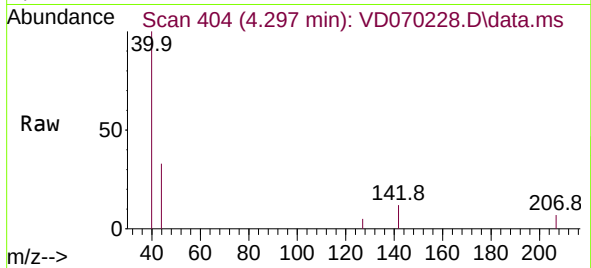




#10
Methyl Iodide
Concen: 1.889 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD070228.D
Acq: 23 Aug 2021 18:44

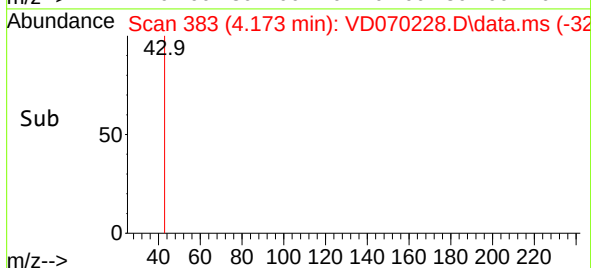
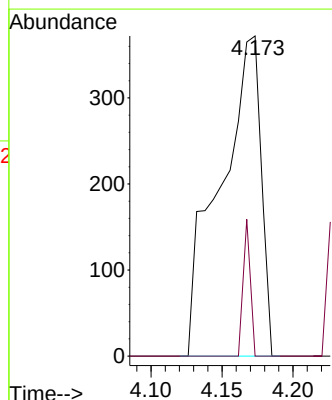
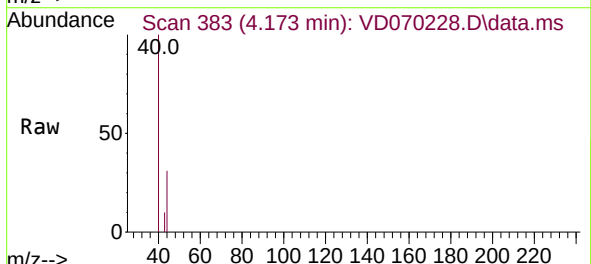
Instrument :
MSVOA_D
ClientSampleId :

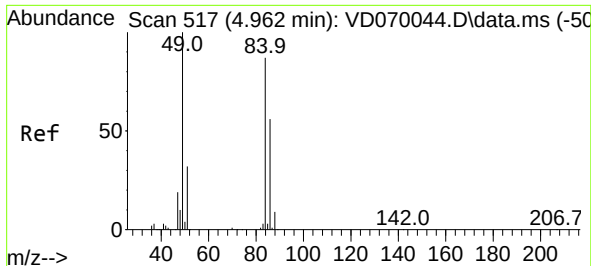
Tgt Ion:142 Resp: 907
Ion Ratio Lower Upper
142 100
127 20.9 35.4 53.0#
141 0.0 12.1 18.1#



#16
Acetone
Concen: 8.488 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.018 min
Lab File: VD070228.D
Acq: 23 Aug 2021 18:44

Tgt Ion: 43 Resp: 747
Ion Ratio Lower Upper
43 100
58 0.0 26.8 40.2#





#20

Methylene Chloride

Concen: 7.575 ug/l

RT: 4.956 min Scan# 516

Delta R.T. -0.006 min

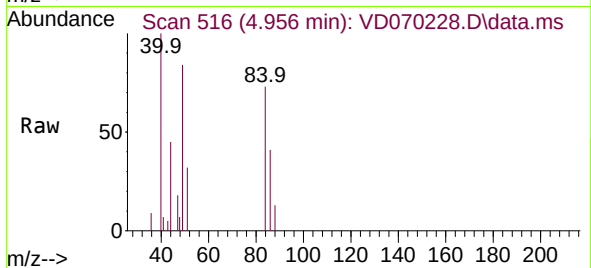
Lab File: VD070228.D

Acq: 23 Aug 2021 18:44

Instrument :

MSVOA_D

ClientSampled :



Tgt Ion: 84 Resp: 8692

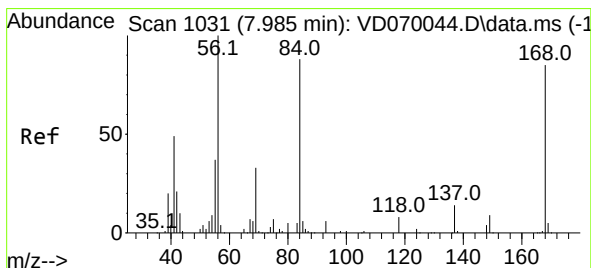
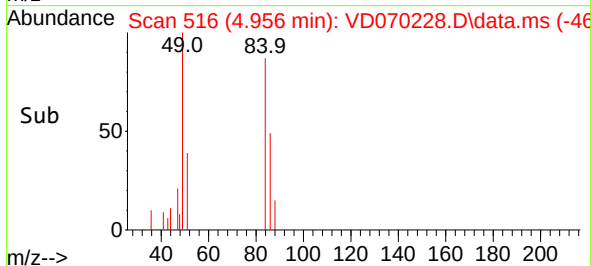
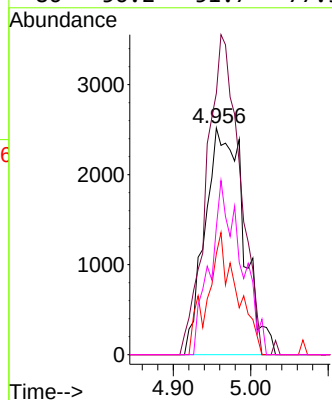
Ion Ratio Lower Upper

84 100

49 115.3 92.5 138.7

51 44.5 29.7 44.5#

86 56.2 51.7 77.5



#31

Cyclohexane

Concen: 1.577 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

Lab File: VD070228.D

Acq: 23 Aug 2021 18:44

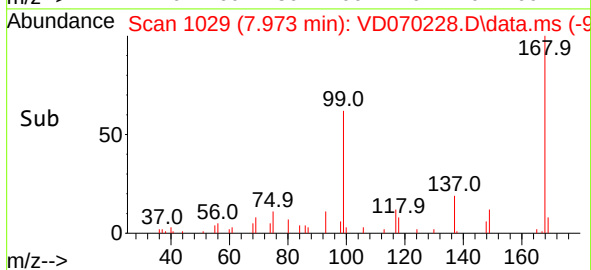
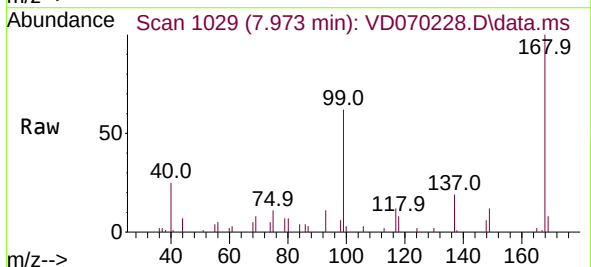
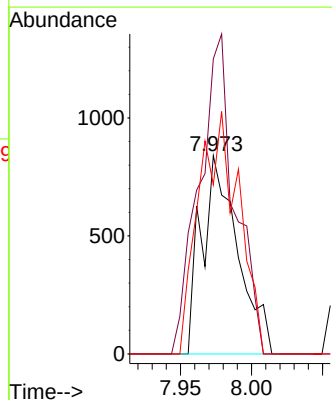
Tgt Ion: 56 Resp: 1491

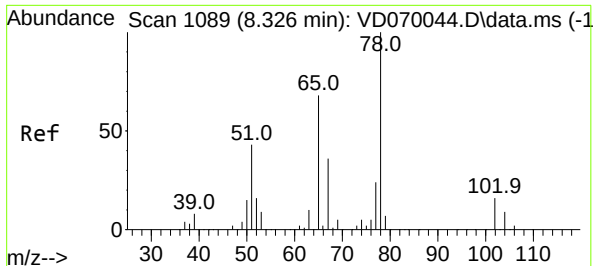
Ion Ratio Lower Upper

56 100

69 148.8 26.7 40.1#

84 85.4 70.4 105.6





#33

1,2-Dichloroethane-d4

Concen: 82.276 ug/l

RT: 8.332 min Scan# 1090

Delta R.T. 0.006 min

Lab File: VD070228.D

Acq: 23 Aug 2021 18:44

Tgt Ion: 65 Resp: 39307

Ion Ratio Lower Upper

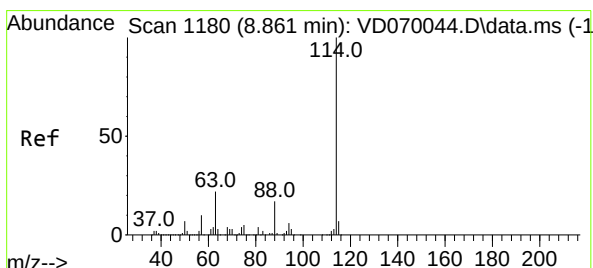
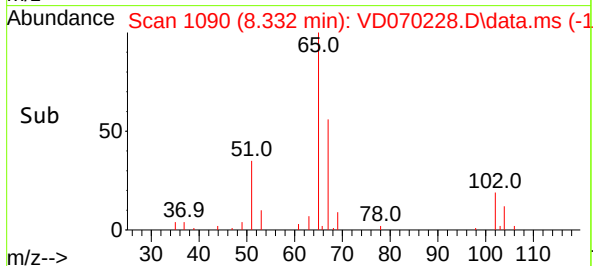
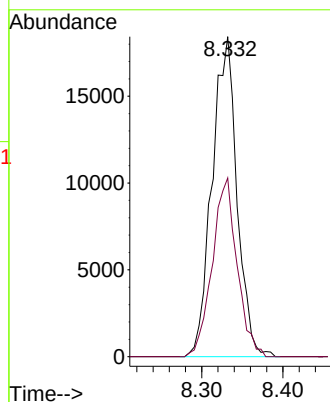
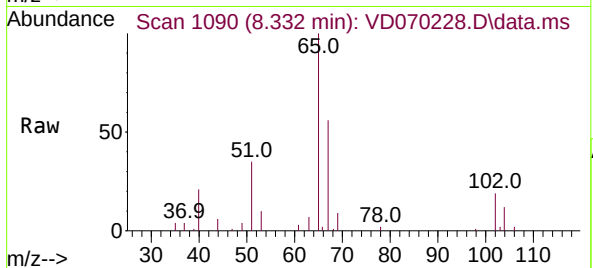
65 100

67 55.5 0.0 107.8

Instrument :

MSVOA_D

ClientSampled :



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD070228.D

Acq: 23 Aug 2021 18:44

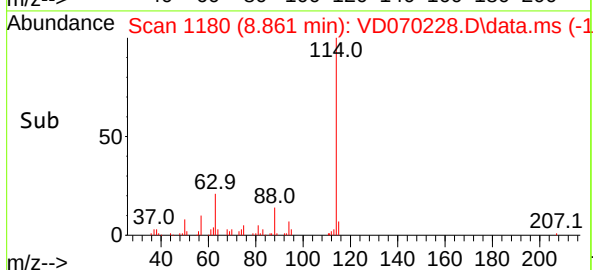
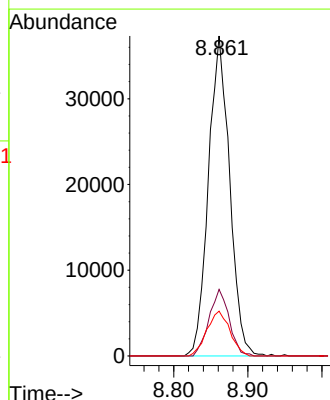
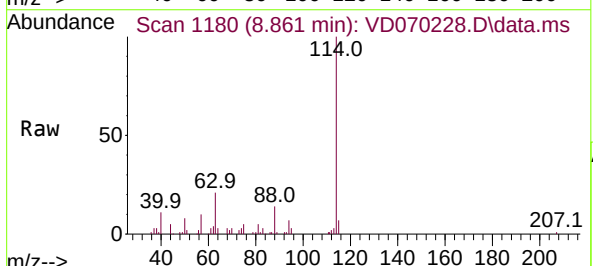
Tgt Ion: 114 Resp: 73948

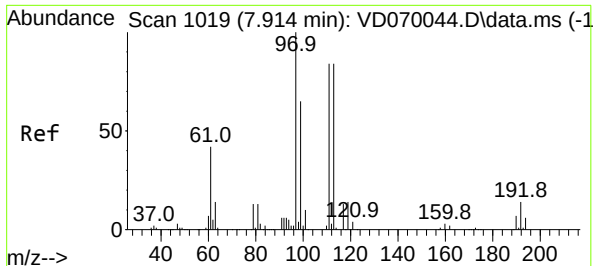
Ion Ratio Lower Upper

114 100

63 20.8 0.0 43.6

88 14.0 0.0 33.4

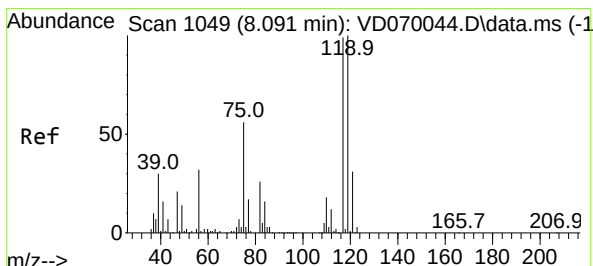
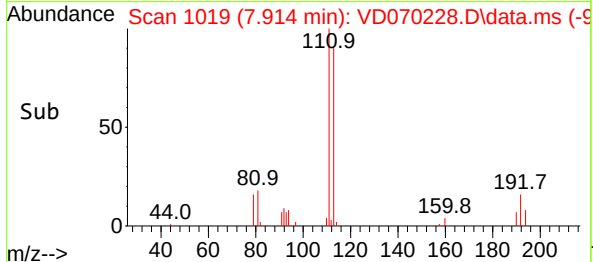
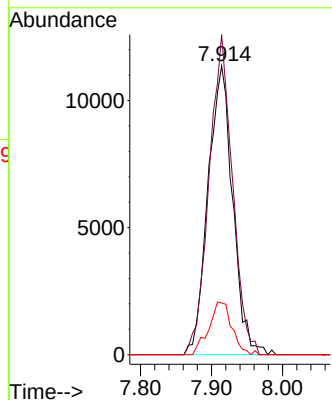
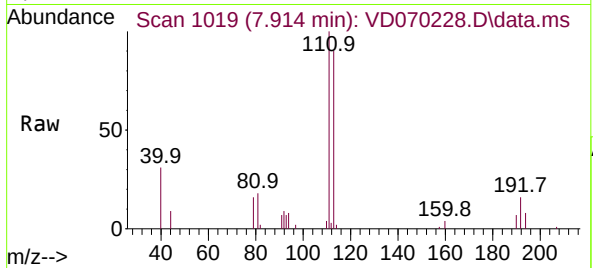




#35
Dibromofluoromethane
Concen: 57.478 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD070228.D
Acq: 23 Aug 2021 18:44

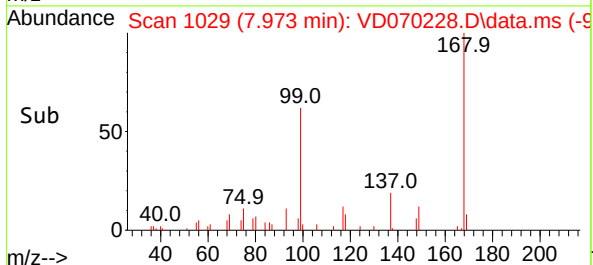
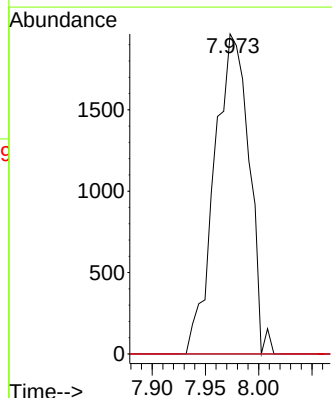
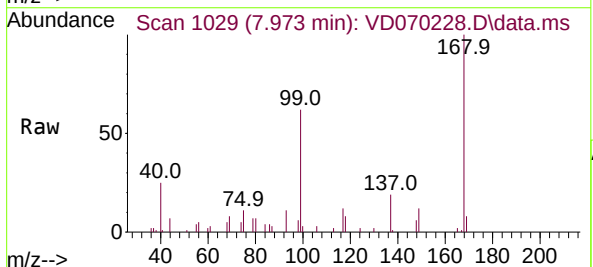
Instrument :
MSVOA_D
ClientSampleId :

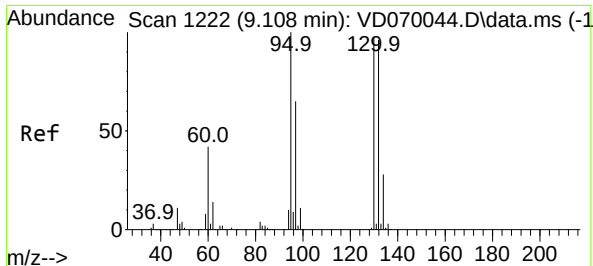
Tgt Ion:	113	Resp:	27460
Ion	Ratio	Lower	Upper
113	100		
111	105.1	81.8	122.6
192	17.1	13.2	19.8



#38
Carbon Tetrachloride
Concen: 6.142 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD070228.D
Acq: 23 Aug 2021 18:44

Tgt Ion:	117	Resp:	4436
Ion	Ratio	Lower	Upper
117	100		
119	0.0	81.0	121.6#
121	0.0	25.0	37.6#





#44

Trichloroethene

Concen: 4.523 ug/l

RT: 9.102 min Scan# 1221

Delta R.T. -0.006 min

Lab File: VD070228.D

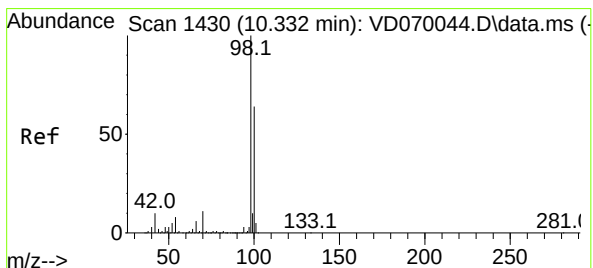
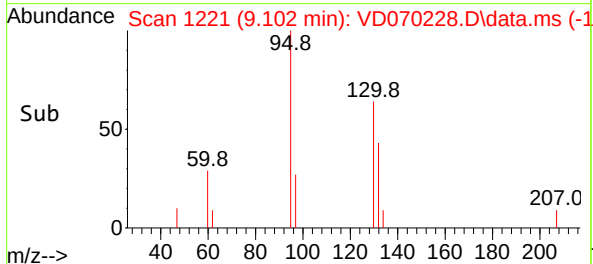
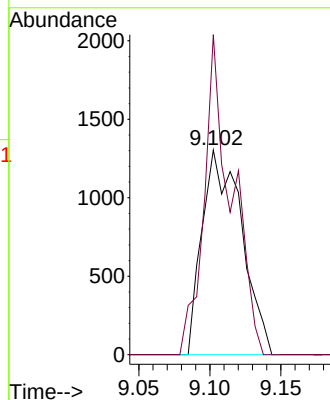
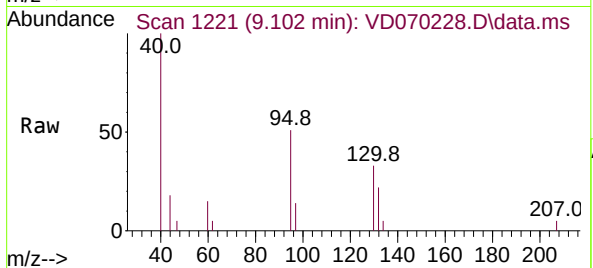
Acq: 23 Aug 2021 18:44

Tgt Ion:130 Resp: 2521

Ion Ratio Lower Upper

130 100

95 156.4 0.0 206.4



#50

Toluene-d8

Concen: 50.873 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. 0.006 min

Lab File: VD070228.D

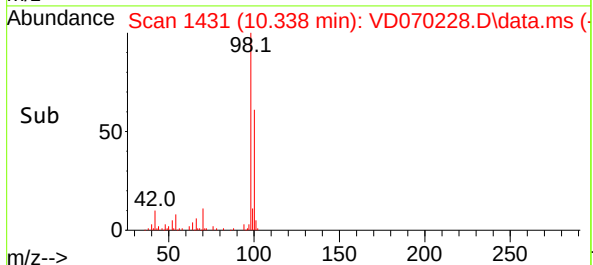
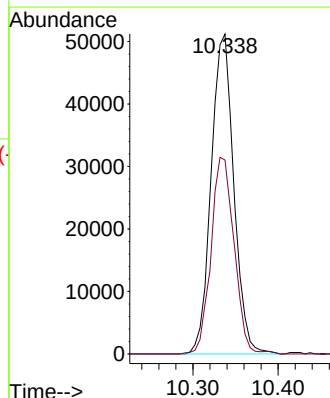
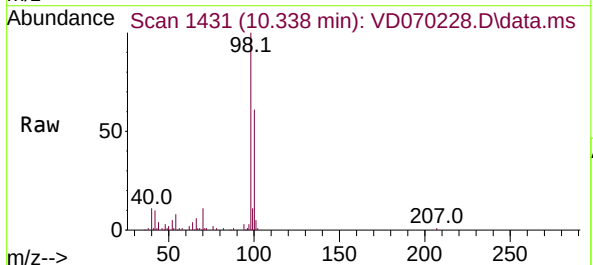
Acq: 23 Aug 2021 18:44

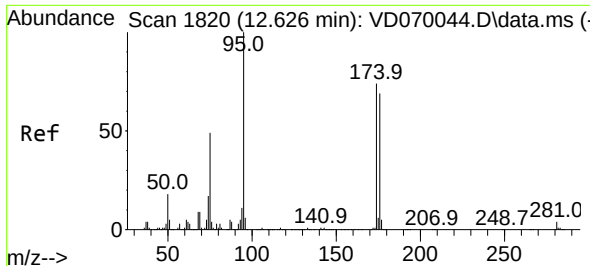
Tgt Ion: 98 Resp: 94531

Ion Ratio Lower Upper

98 100

100 62.7 52.6 78.8

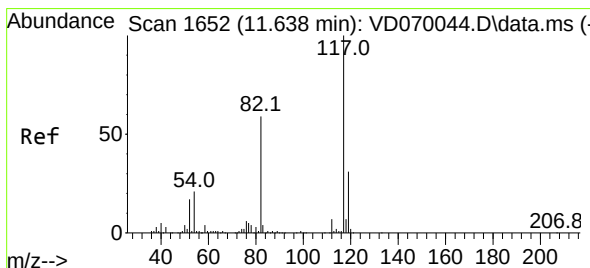
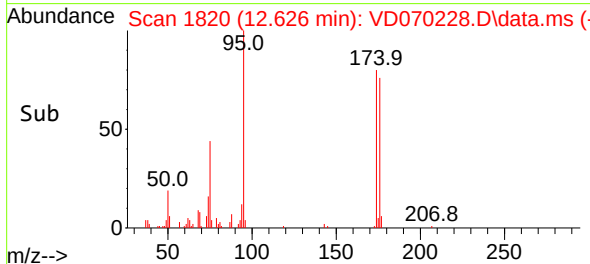
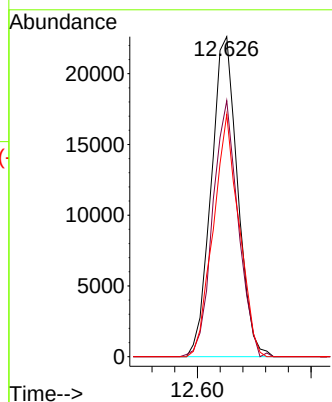
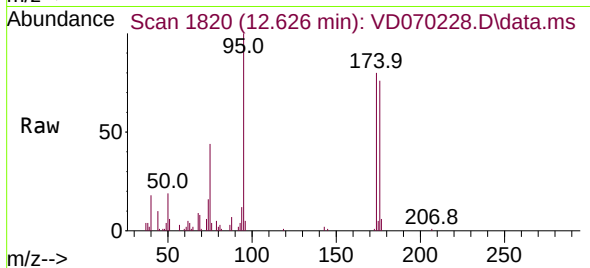




#62
4-Bromofluorobenzene
Concen: 59.589 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070228.D
Acq: 23 Aug 2021 18:44

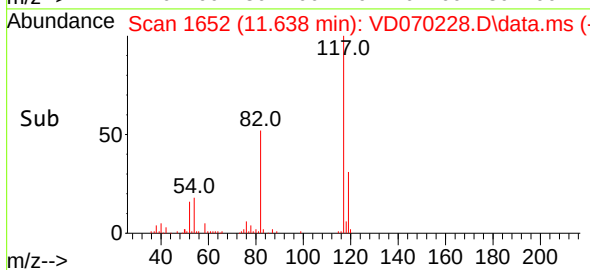
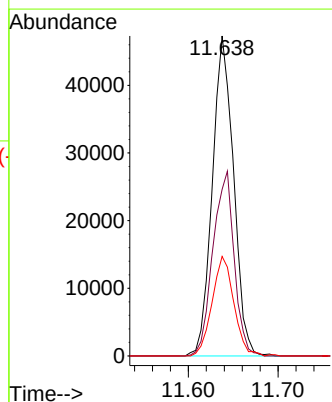
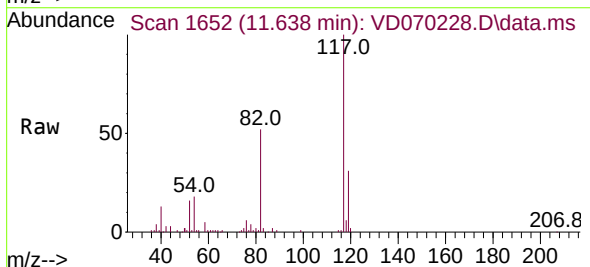
Instrument :
MSVOA_D
ClientSampleId :

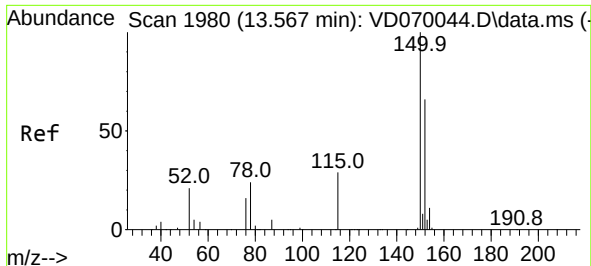
Tgt Ion: 95 Resp: 36471
Ion Ratio Lower Upper
95 100
174 76.8 0.0 141.6
176 73.7 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070228.D
Acq: 23 Aug 2021 18:44

Tgt Ion: 117 Resp: 77822
Ion Ratio Lower Upper
117 100
82 52.0 47.5 71.3
119 31.1 25.1 37.7

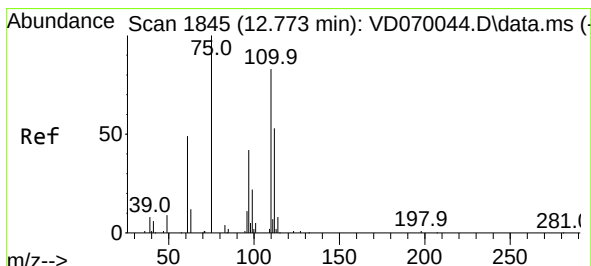
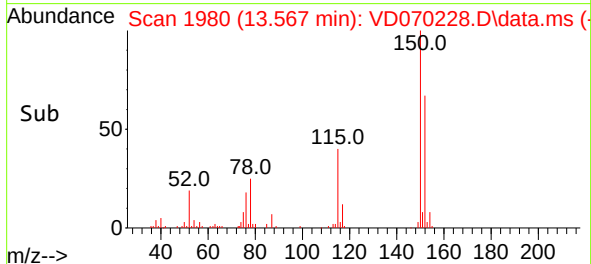
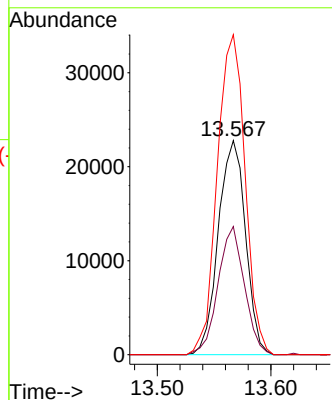
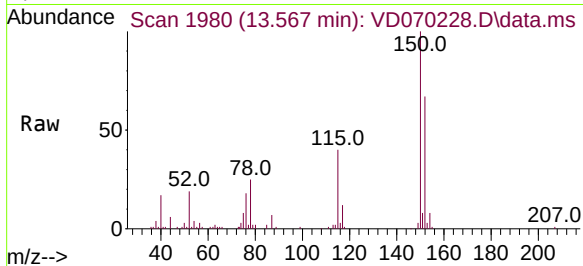




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070228.D
Acq: 23 Aug 2021 18:44

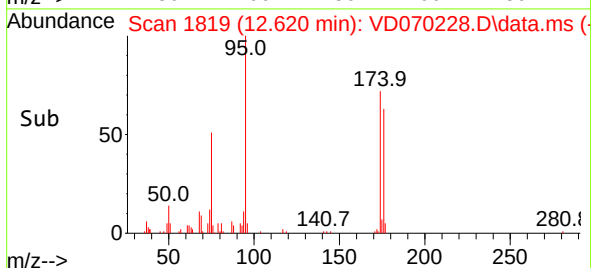
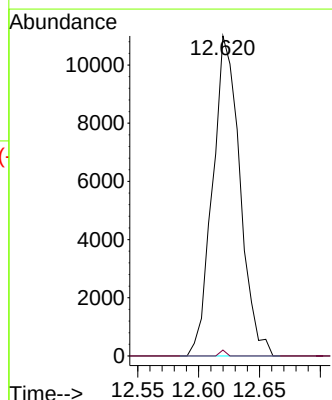
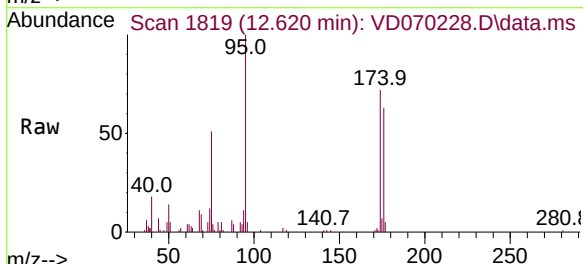
Instrument :
MSVOA_D
ClientSampleId :

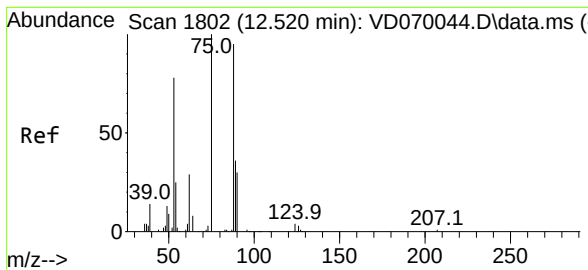
Tgt Ion:152 Resp: 37933
Ion Ratio Lower Upper
152 100
115 57.9 31.2 93.6
150 152.7 0.0 352.0



#76
1,2,3-Trichloropropane
Concen: 44.597 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070228.D
Acq: 23 Aug 2021 18:44

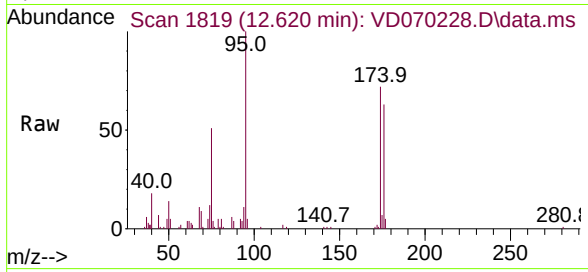
Tgt Ion: 75 Resp: 17156
Ion Ratio Lower Upper
75 100
77 0.4 182.4 547.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 115.756 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. 0.100 min
 Lab File: VD070228.D
 Acq: 23 Aug 2021 18:44

Instrument :
 MSVOA_D
 ClientSampleId :



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

