

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091321\
 Data File : VD070333.D
 Acq On : 13 Sep 2021 18:22
 Operator : VA/SY
 Sample : M3687-22
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A005095

Quant Time: Sep 14 00:55:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 03:07:09 2021
 Response via : Initial Calibration

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

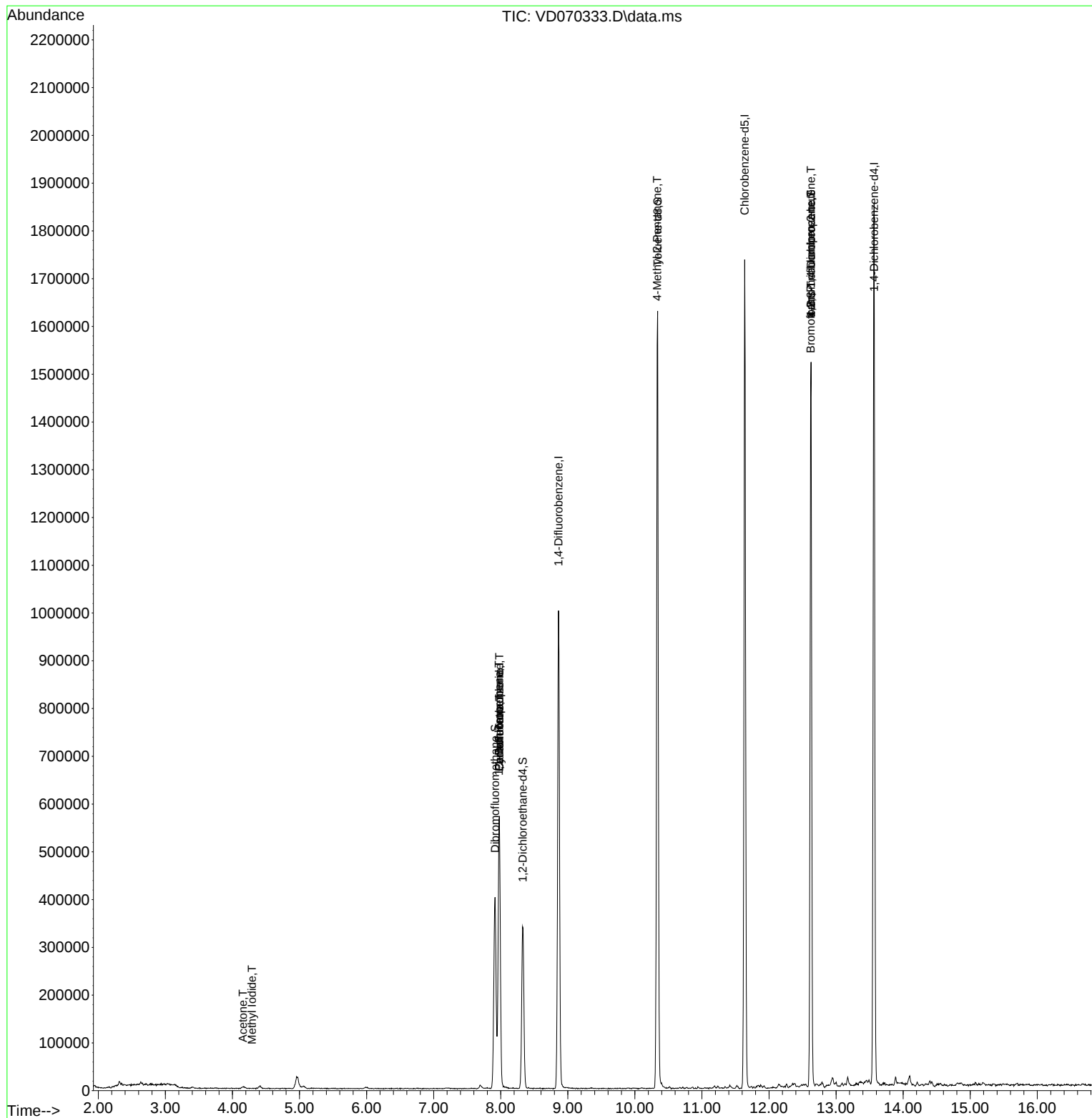
Internal Standards						
1) Pentafluorobenzene	7.979	168	400394	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	841847	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	979837	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	487776	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	278366	54.145	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.280%	
35) Dibromofluoromethane	7.914	113	293024	48.899	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.800%	
50) Toluene-d8	10.338	98	1112609	51.138	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.280%	
62) 4-Bromofluorobenzene	12.626	95	480645	63.212	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 126.420%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	403	Below Cal	#	43
3) Chloromethane	2.203	50	914	Below Cal	#	42
5) Bromomethane	2.774	94	1434	Below Cal		97
6) Chloroethane	2.950	64	58	Below Cal	#	43
10) Methyl Iodide	4.291	142	496	1.127	ug/l #	54
16) Acetone	4.156	43	8001	8.717	ug/l #	75
18) Methyl Acetate	4.738	43	54	Below Cal	#	48
20) Methylene Chloride	4.968	84	20524	Below Cal	#	95
31) Cyclohexane	7.979	56	10055	1.135	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	35647	3.962	ug/l #	49
38) Carbon Tetrachloride	7.979	117	42380	4.762	ug/l #	18
51) 4-Methyl-2-Pentanone	10.332	43	4276	1.328	ug/l #	1
71) Bromoform	12.620	173	4186	1.139	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	238521	48.343	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	238521	121.128	ug/l #	17

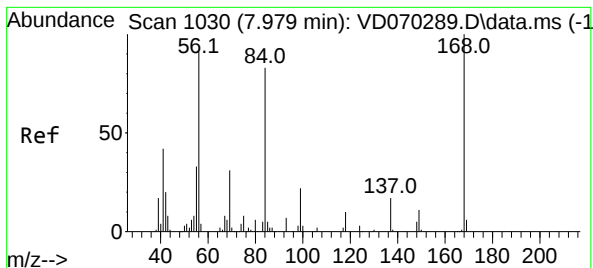
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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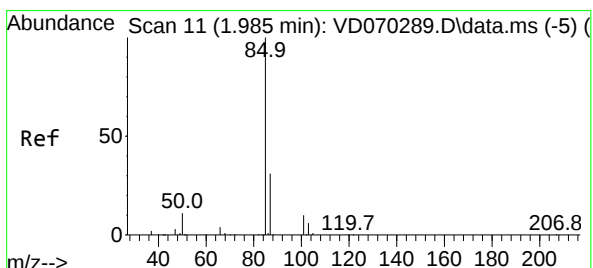
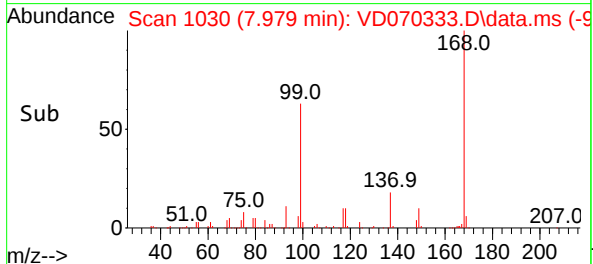
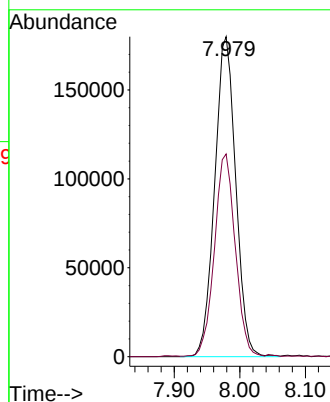
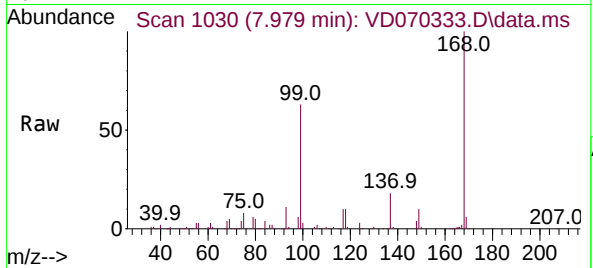




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070333.D
Acq: 13 Sep 2021 18:22

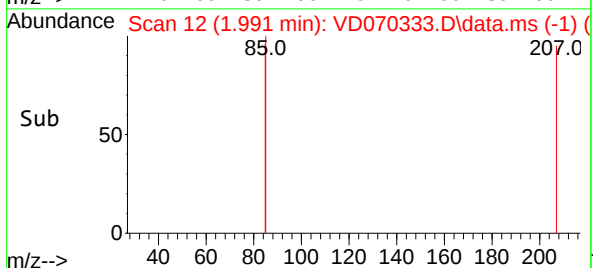
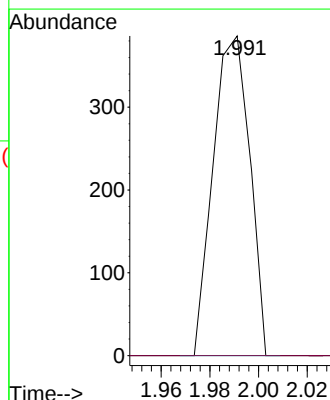
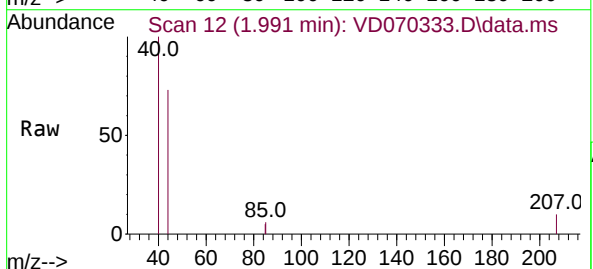
Instrument :
MSVOA_D
ClientSampleId :
A005095

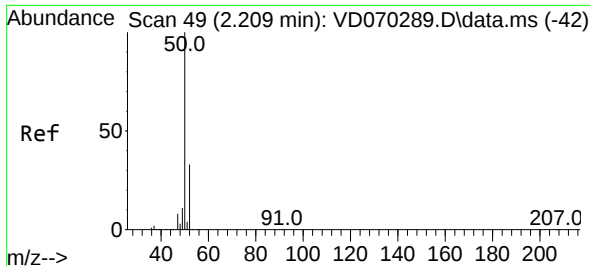
Tgt Ion:168 Resp: 400394
Ion Ratio Lower Upper
168 100
99 63.3 50.8 76.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.006 min
Lab File: VD070333.D
Acq: 13 Sep 2021 18:22

Tgt Ion: 85 Resp: 403
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

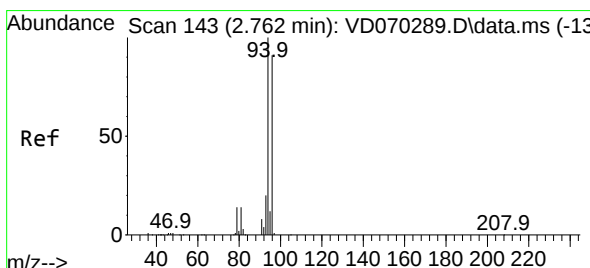
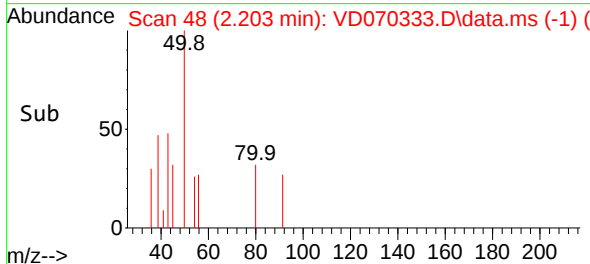
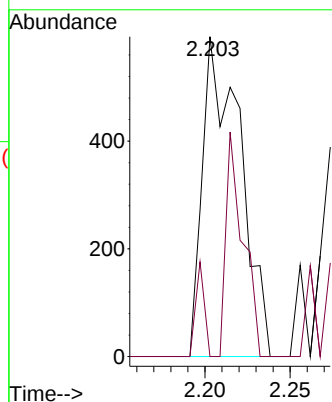
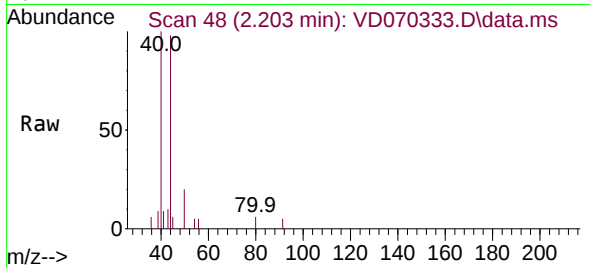




#3
Chloromethane
Concen: Below Cal
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD070333.D
Acq: 13 Sep 2021 18:22

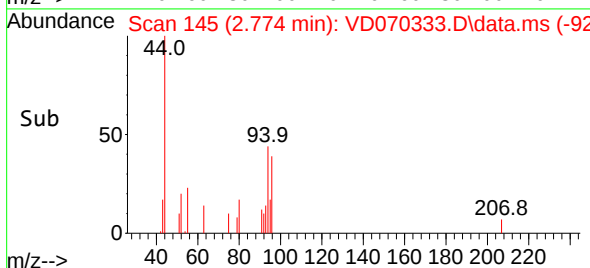
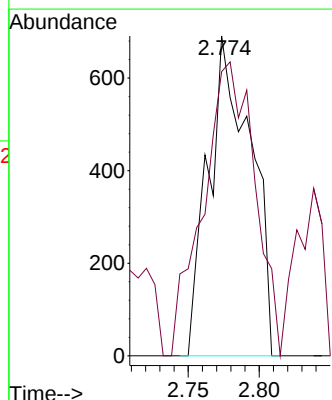
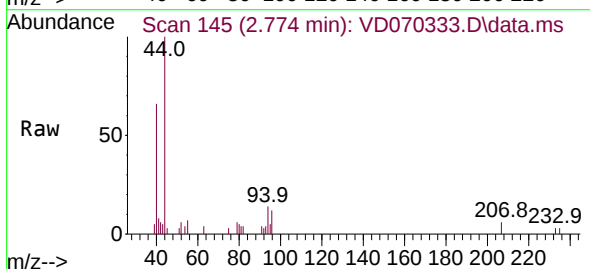
Instrument :
MSVOA_D
ClientSampleId :
A005095

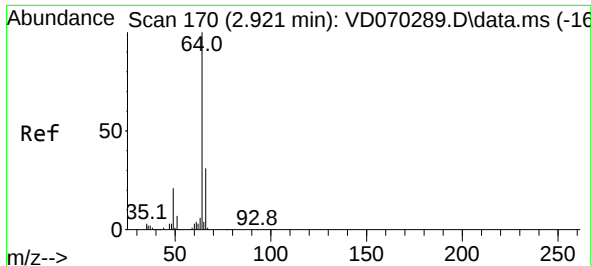
Tgt Ion: 50 Resp: 914
Ion Ratio Lower Upper
50 100
52 0.0 26.2 39.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.774 min Scan# 145
Delta R.T. 0.012 min
Lab File: VD070333.D
Acq: 13 Sep 2021 18:22

Tgt Ion: 94 Resp: 1434
Ion Ratio Lower Upper
94 100
96 88.9 73.0 109.6

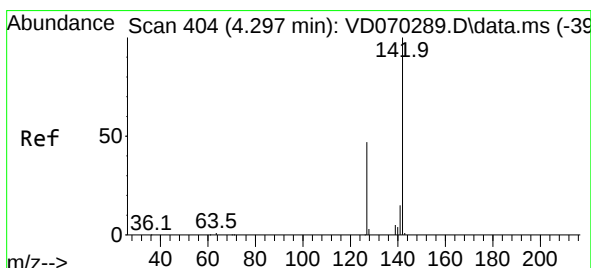
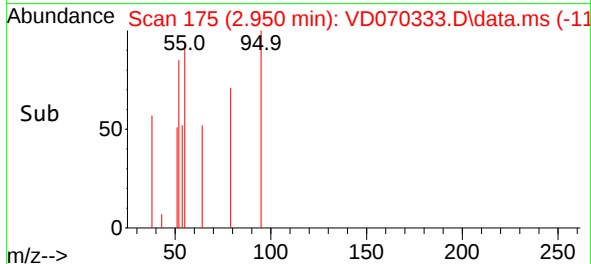
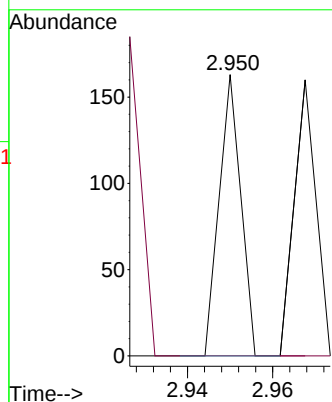
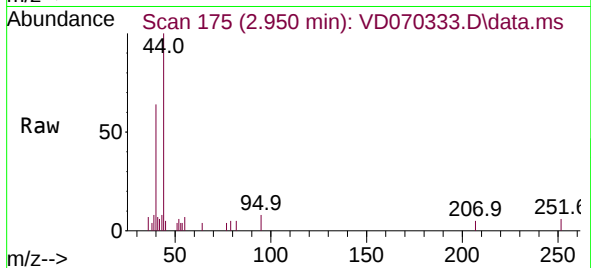




#6
Chloroethane
Concen: Below Cal
RT: 2.950 min Scan# 175
Delta R.T. 0.029 min
Lab File: VD070333.D
Acq: 13 Sep 2021 18:22

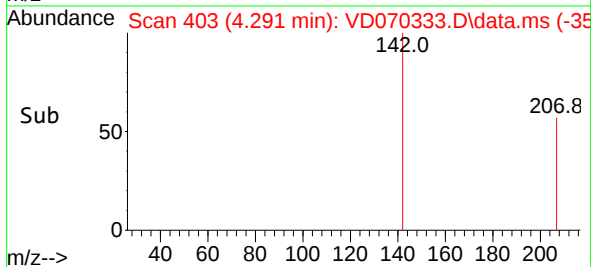
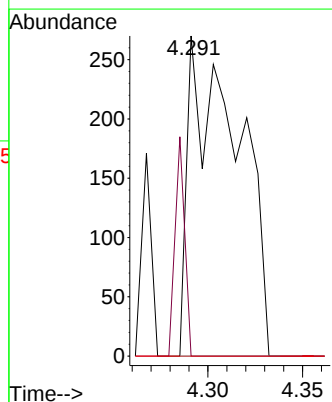
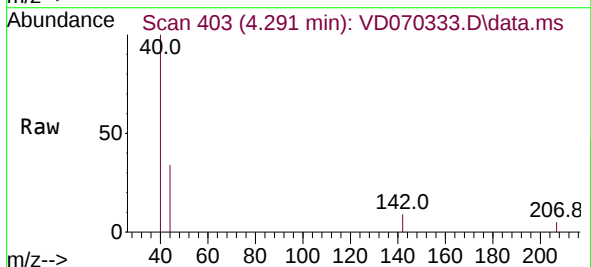
Instrument :
MSVOA_D
ClientSampleId :
A005095

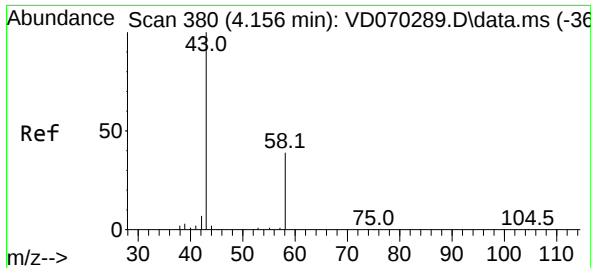
Tgt Ion: 64 Resp: 58
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#10
Methyl Iodide
Concen: 1.127 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD070333.D
Acq: 13 Sep 2021 18:22

Tgt Ion:142 Resp: 496
Ion Ratio Lower Upper
142 100
127 13.1 36.9 55.3#
141 0.0 11.8 17.6#

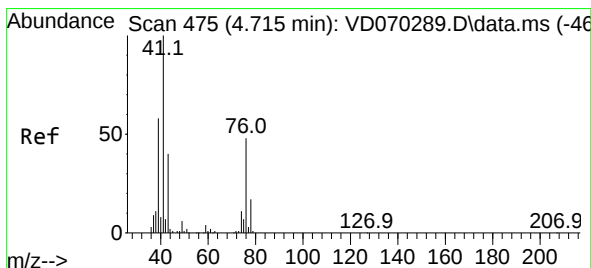
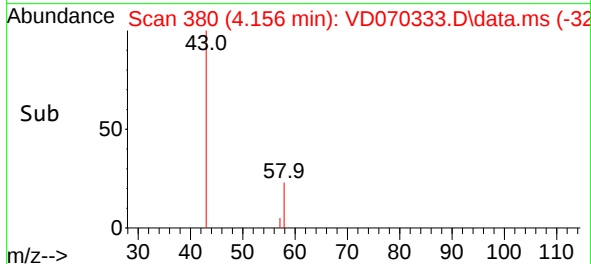
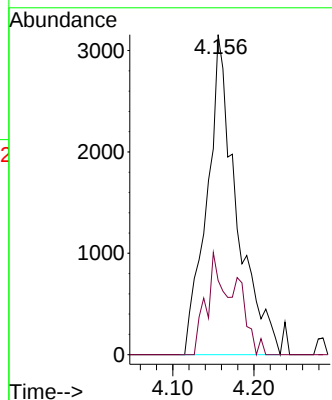
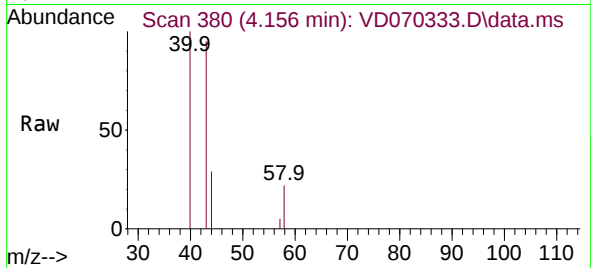




#16
Acetone
Concen: 8.717 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD070333.D
Acq: 13 Sep 2021 18:22

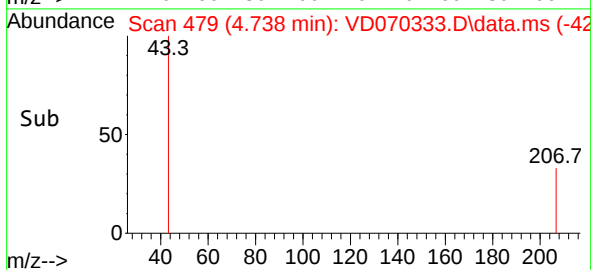
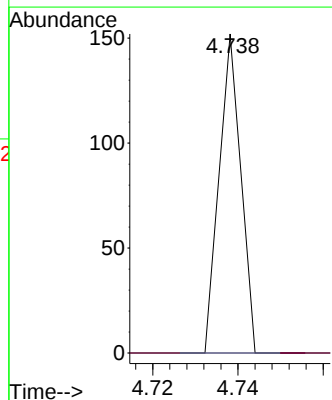
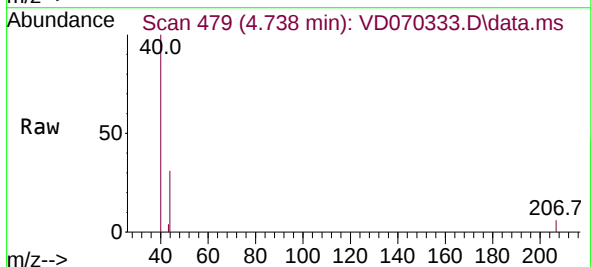
Instrument :
MSVOA_D
ClientSampleId :
A005095

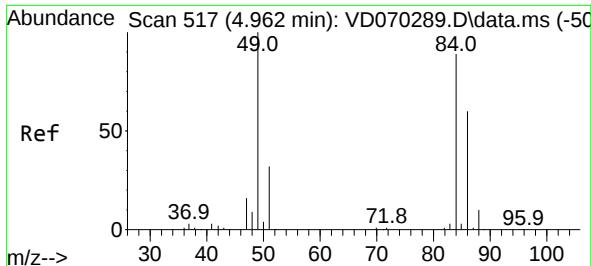
Tgt Ion: 43 Resp: 8001
Ion Ratio Lower Upper
43 100
58 23.2 30.9 46.3#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.738 min Scan# 479
Delta R.T. 0.023 min
Lab File: VD070333.D
Acq: 13 Sep 2021 18:22

Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#

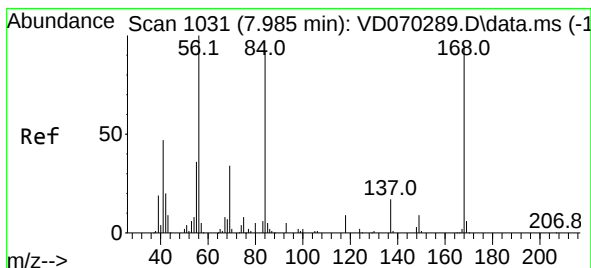
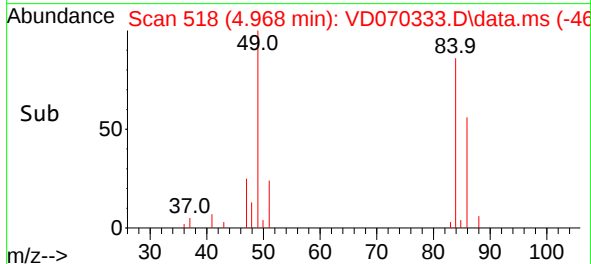
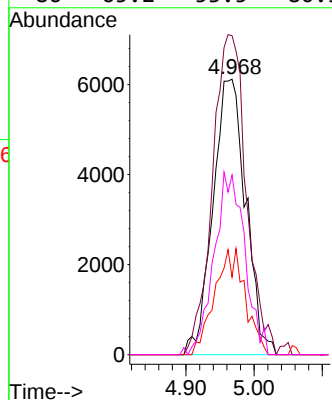
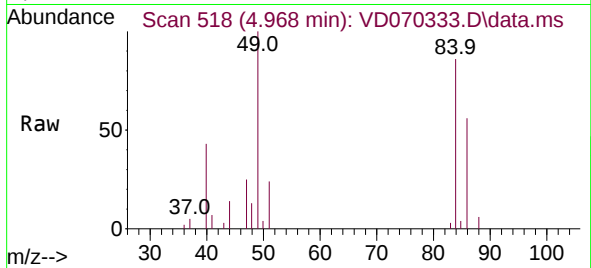




#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD070333.D
Acq: 13 Sep 2021 18:22

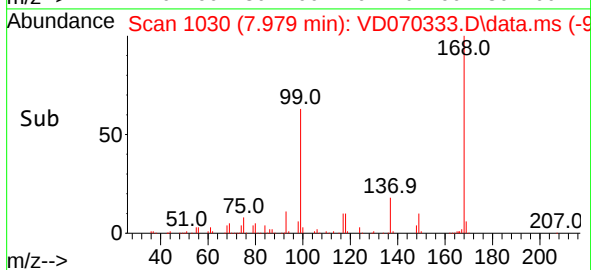
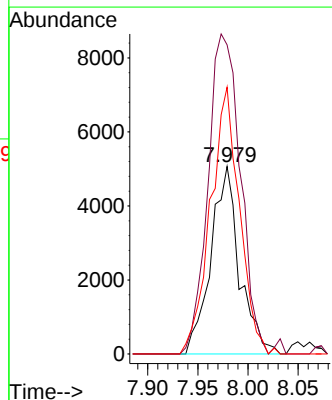
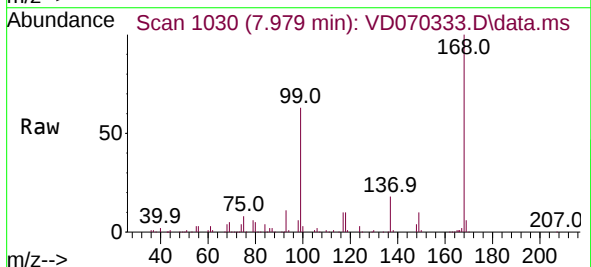
Instrument :
MSVOA_D
ClientSampled :
A005095

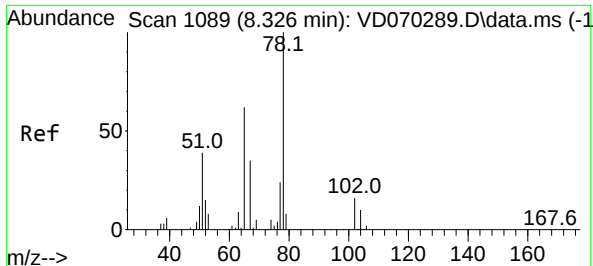
Tgt Ion:	84	Resp:	20524
Ion	Ratio	Lower	Upper
84	100		
49	115.8	89.6	134.4
51	28.2	28.6	43.0#
86	65.2	53.5	80.3



#31
Cyclohexane
Concen: 1.135 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070333.D
Acq: 13 Sep 2021 18:22

Tgt Ion:	56	Resp:	10055
Ion	Ratio	Lower	Upper
56	100		
69	164.9	26.9	40.3#
84	142.3	73.6	110.4#

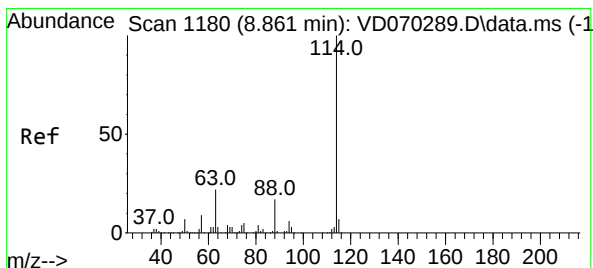
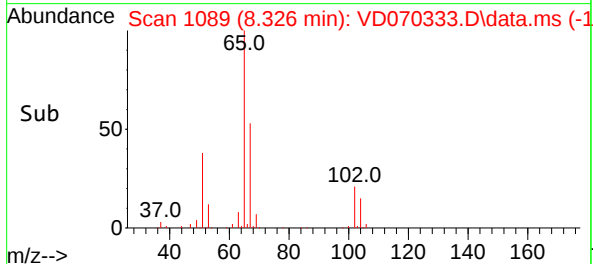
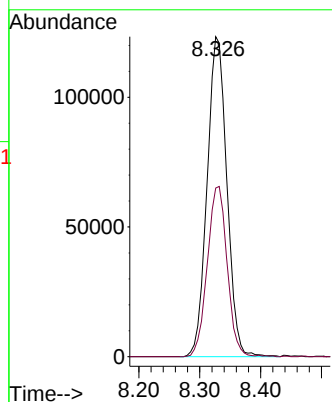
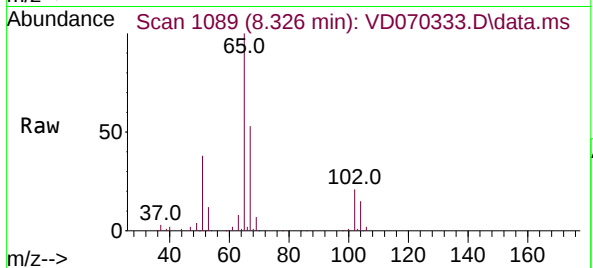




#33
1,2-Dichloroethane-d4
Concen: 54.145 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070333.D
Acq: 13 Sep 2021 18:22

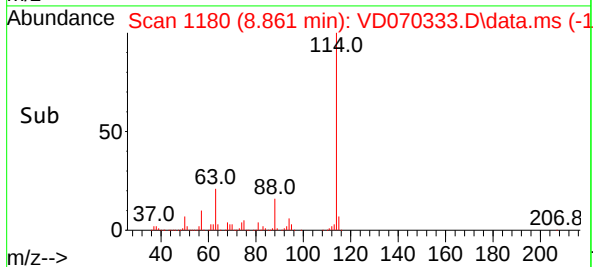
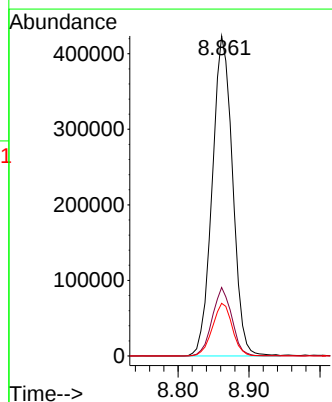
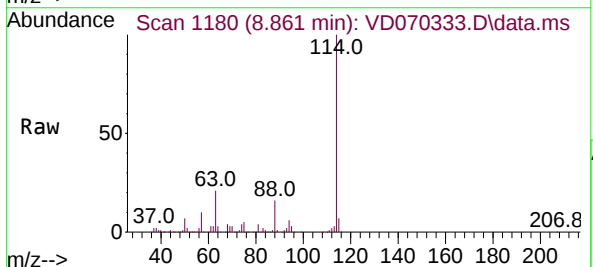
Instrument :
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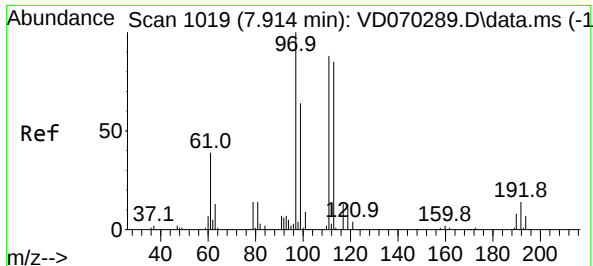
Tgt Ion: 65 Resp: 278366
Ion Ratio Lower Upper
65 100
67 53.2 0.0 111.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070333.D
Acq: 13 Sep 2021 18:22

Tgt Ion: 114 Resp: 841847
Ion Ratio Lower Upper
114 100
63 21.4 0.0 43.4
88 16.4 0.0 33.4





#35

Dibromofluoromethane

Concen: 48.899 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD070333.D

Acq: 13 Sep 2021 18:22

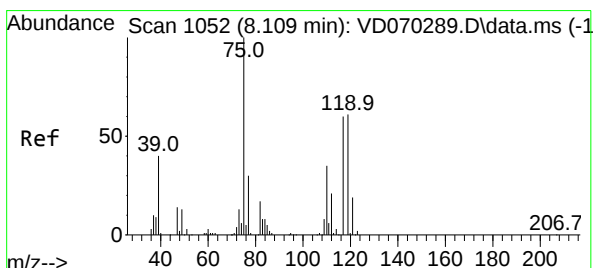
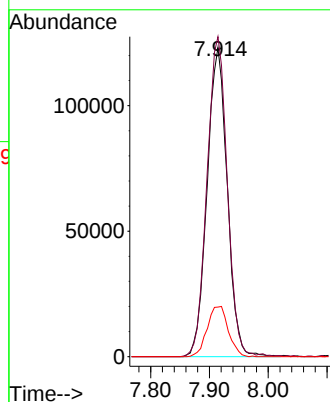
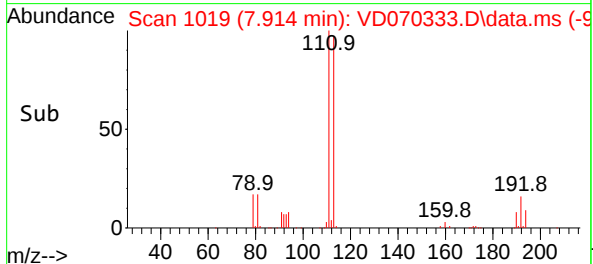
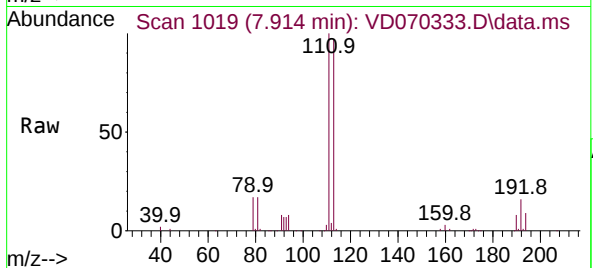
Tgt Ion:113 Resp: 293024

Ion Ratio Lower Upper

113 100

111 104.3 81.4 122.2

192 17.1 13.0 19.6



#36

1,1-Dichloropropene

Concen: 3.962 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD070333.D

Acq: 13 Sep 2021 18:22

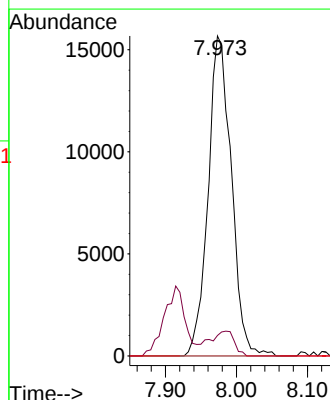
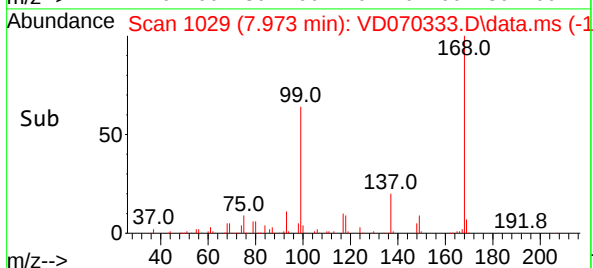
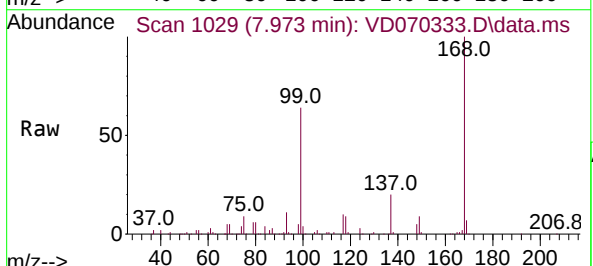
Tgt Ion: 75 Resp: 35647

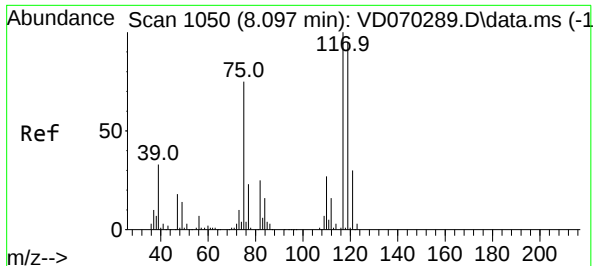
Ion Ratio Lower Upper

75 100

110 8.6 17.9 53.7#

77 0.0 25.3 37.9#

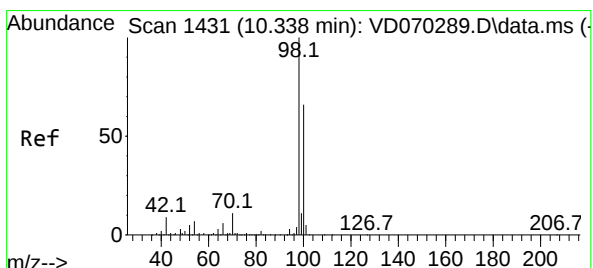
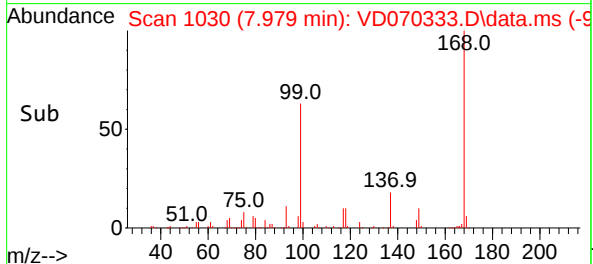
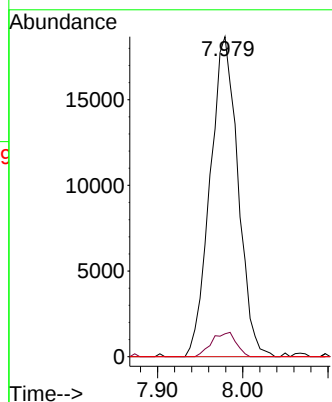
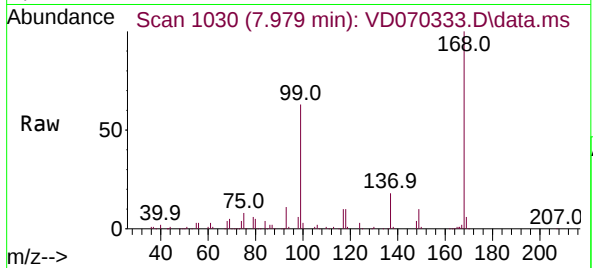




#38
Carbon Tetrachloride
Concen: 4.762 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070333.D
Acq: 13 Sep 2021 18:22

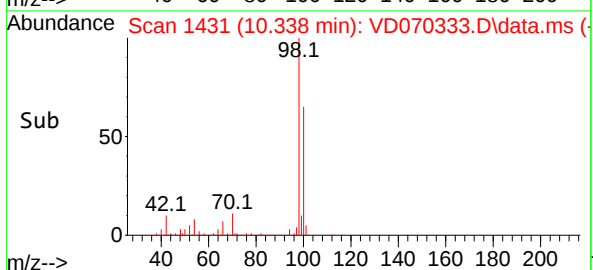
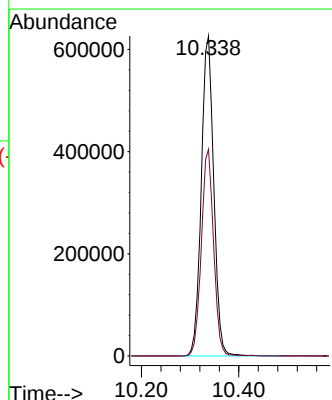
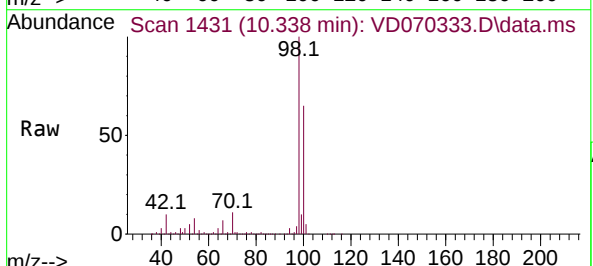
Instrument :
MSVOA_D
ClientSampleId :
A005095

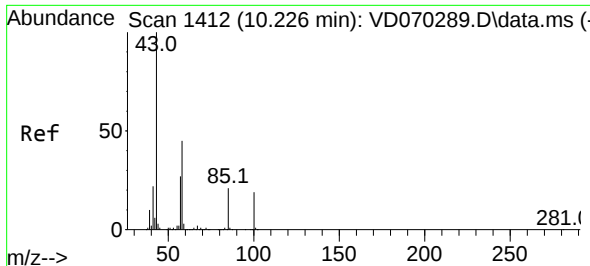
Tgt Ion:117 Resp: 42380
Ion Ratio Lower Upper
117 100
119 7.2 76.1 114.1#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 51.138 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD070333.D
Acq: 13 Sep 2021 18:22

Tgt Ion: 98 Resp: 1112609
Ion Ratio Lower Upper
98 100
100 63.5 52.0 78.0

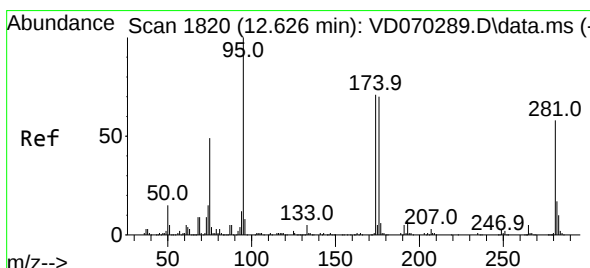
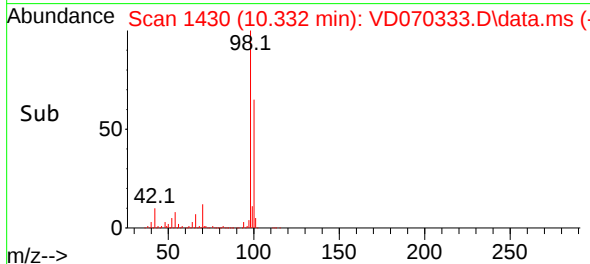
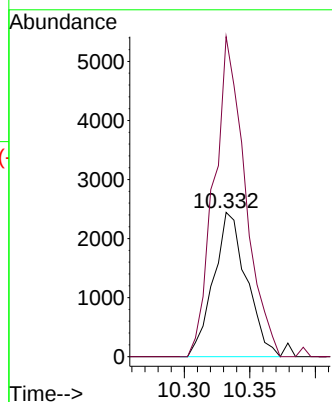
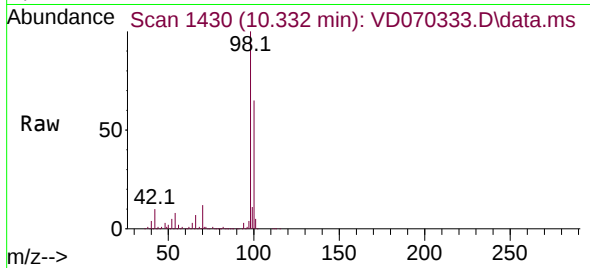




#51
4-Methyl-2-Pentanone
Concen: 1.328 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.106 min
Lab File: VD070333.D
Acq: 13 Sep 2021 18:22

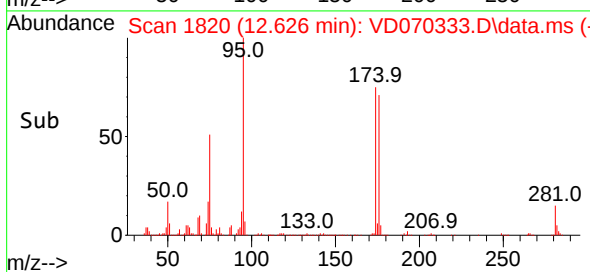
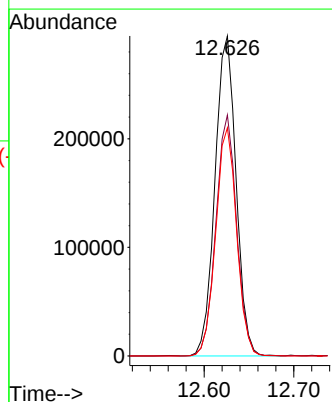
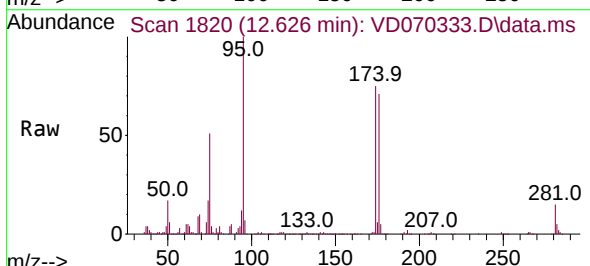
Instrument :
MSVOA_D
ClientSampleId :
A005095

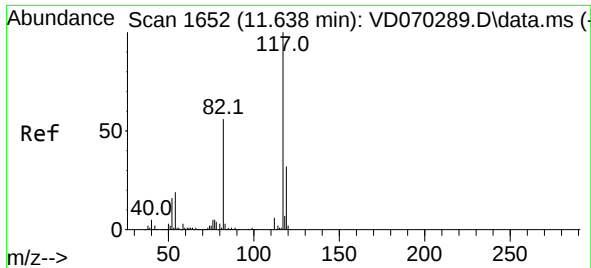
Tgt Ion: 43 Resp: 4276
Ion Ratio Lower Upper
43 100
58 209.6 35.4 53.2#



#62
4-Bromofluorobenzene
Concen: 63.212 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070333.D
Acq: 13 Sep 2021 18:22

Tgt Ion: 95 Resp: 480645
Ion Ratio Lower Upper
95 100
174 74.2 0.0 140.6
176 70.7 0.0 137.4

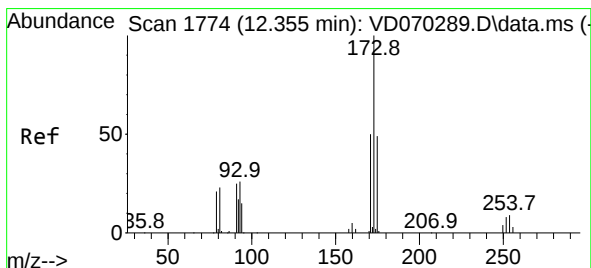
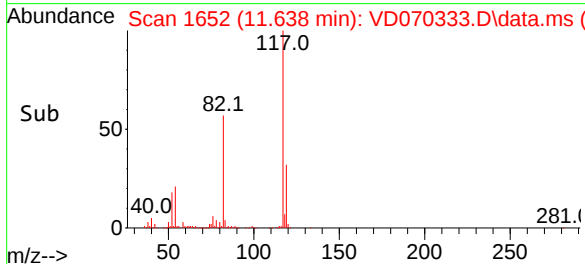
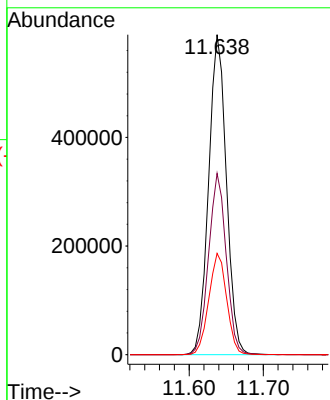
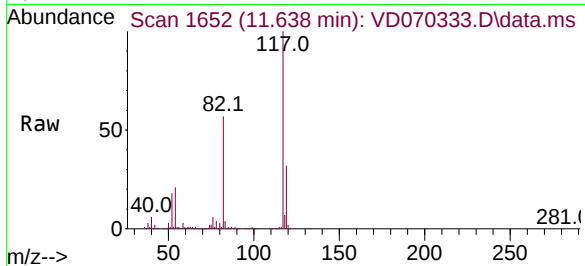




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070333.D
Acq: 13 Sep 2021 18:22

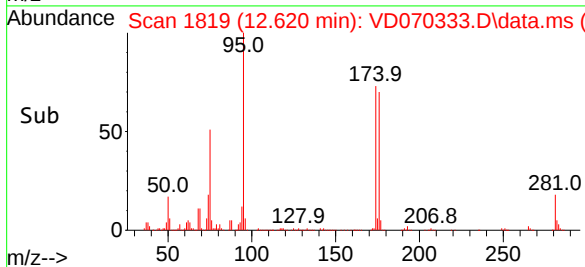
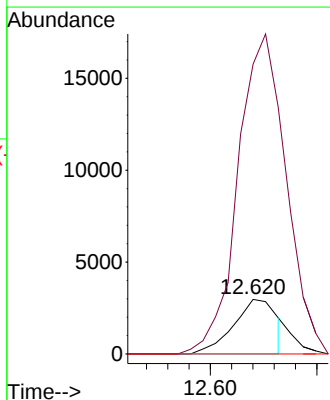
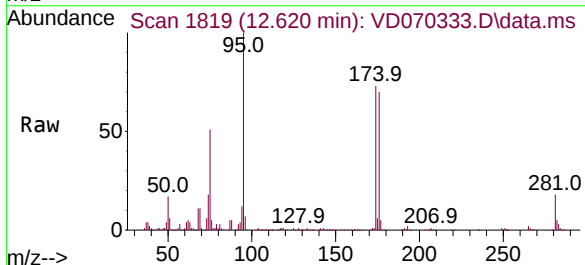
Instrument :
MSVOA_D
ClientSampleId :
A005095

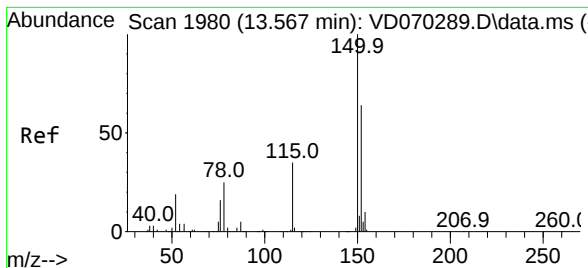
Tgt Ion:	117	Resp:	979837
Ion	Ratio	Lower	Upper
117	100		
82	56.6	45.0	67.4
119	31.6	25.2	37.8



#71
Bromoform
Concen: 1.139 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD070333.D
Acq: 13 Sep 2021 18:22

Tgt Ion:	173	Resp:	4186
Ion	Ratio	Lower	Upper
173	100		
175	551.9	25.1	75.2#
254	0.0	0.1	0.1#

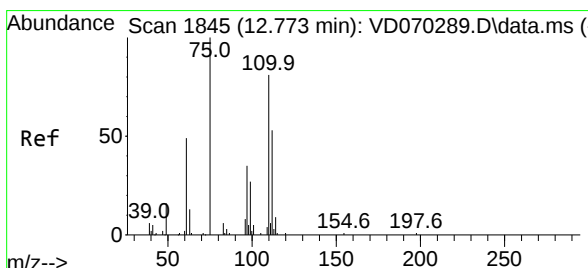
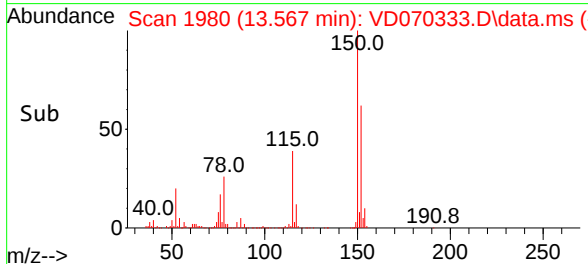
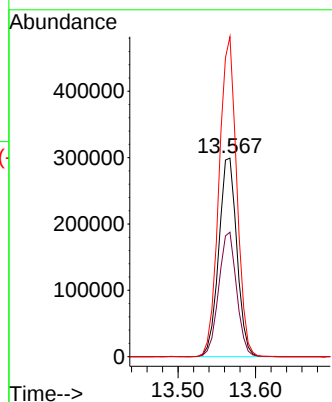
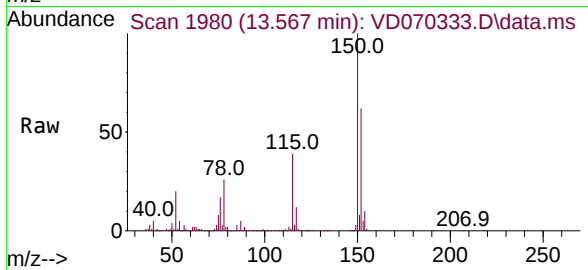




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD070333.D
Acq: 13 Sep 2021 18:22

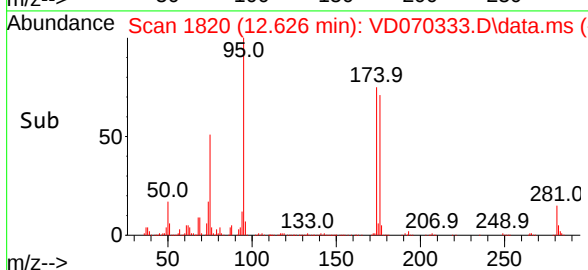
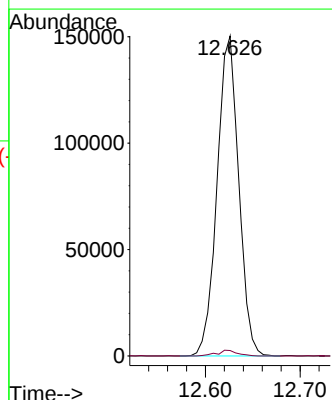
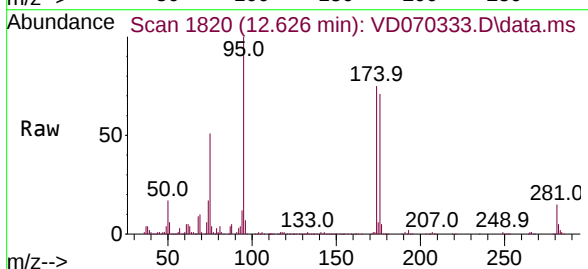
Instrument :
MSVOA_D
ClientSampleId :
A005095

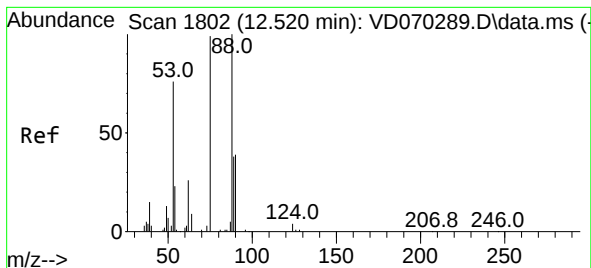
Tgt Ion:152 Resp: 487776
Ion Ratio Lower Upper
152 100
115 62.1 32.1 96.3
150 157.4 0.0 350.6



#76
1,2,3-Trichloropropane
Concen: 48.343 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070333.D
Acq: 13 Sep 2021 18:22

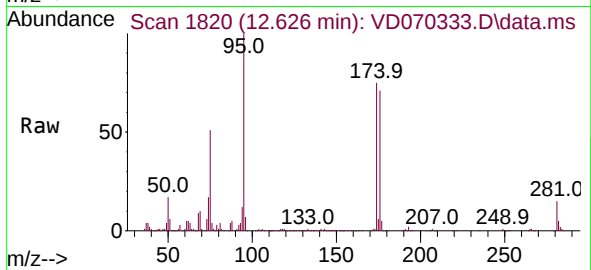
Tgt Ion: 75 Resp: 238521
Ion Ratio Lower Upper
75 100
77 1.7 174.9 524.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 121.128 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD070333.D
 Acq: 13 Sep 2021 18:22

Instrument :
 MSVOA_D
 ClientSampleId :
 A005095



Tgt Ion: 75 Resp: 238521
 Ion Ratio Lower Upper
 75 100
 53 0.2 64.2 96.2#
 89 0.0 35.6 53.4#

