

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091421\
 Data File : VD070347.D
 Acq On : 14 Sep 2021 12:17
 Operator : VA/SY
 Sample : M3719-03RE
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-04-091021RE

Quant Time: Sep 15 02:45:29 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)

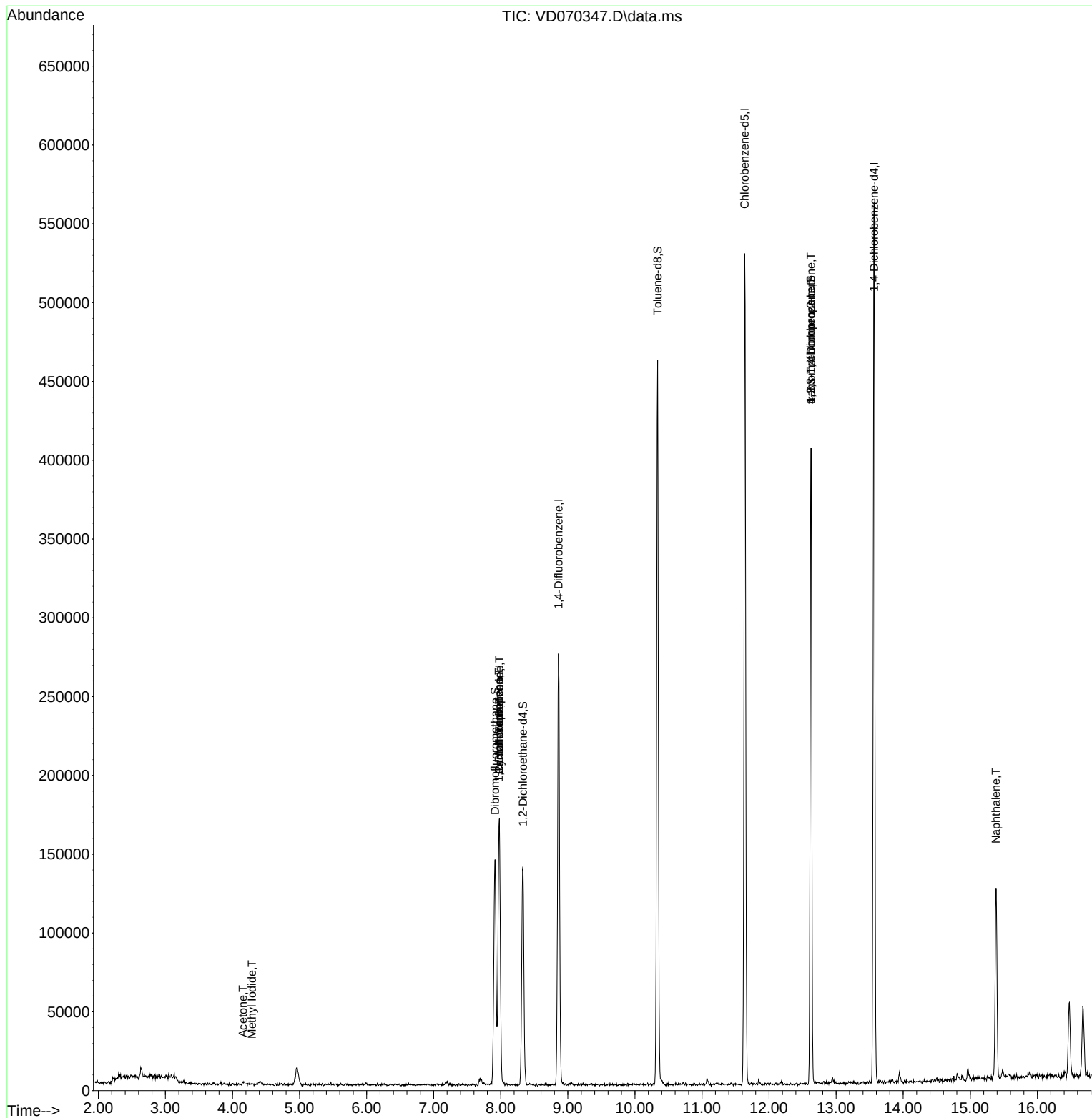
Internal Standards						
1) Pentafluorobenzene	7.979	168	118945	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	231141	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	310500	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	151294	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	111303	72.877	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 145.760%	
35) Dibromofluoromethane	7.914	113	102937	62.565	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 125.120%	
50) Toluene-d8	10.337	98	315040	52.738	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.480%	
62) 4-Bromofluorobenzene	12.626	95	140214	67.162	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 134.320%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.985	85	193	Below Cal	#	43
3) Chloromethane	2.208	50	906	Below Cal	#	45
5) Bromomethane	2.773	94	1472	Below Cal	#	71
6) Chloroethane	2.920	64	225	Below Cal	#	43
10) Methyl Iodide	4.291	142	658	1.467	ug/l #	62
16) Acetone	4.155	43	3084	11.310	ug/l #	36
18) Methyl Acetate	4.503	43	59	Below Cal	#	48
20) Methylene Chloride	4.961	84	9035	Below Cal		88
31) Cyclohexane	7.979	56	2811	1.068	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	11648	4.715	ug/l #	50
38) Carbon Tetrachloride	7.979	117	14082	5.763	ug/l #	18
76) 1,2,3-Trichloropropane	12.626	75	67953	44.403	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	67953	111.257	ug/l #	17
95) Naphthalene	15.384	128	109859	24.894	ug/l	99

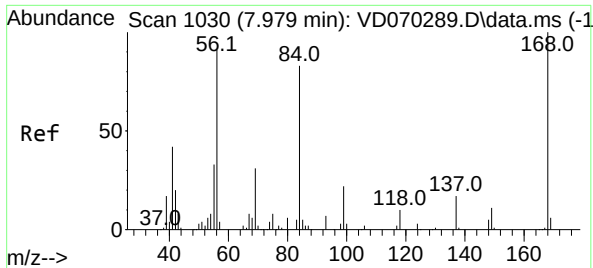
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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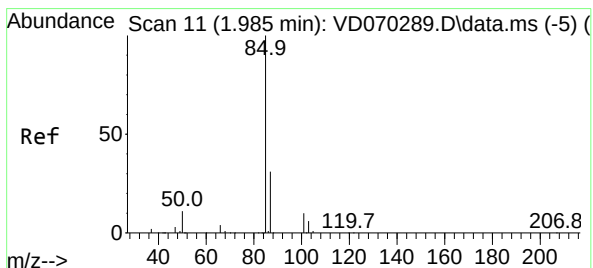
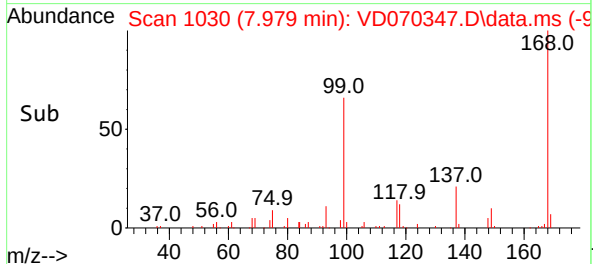
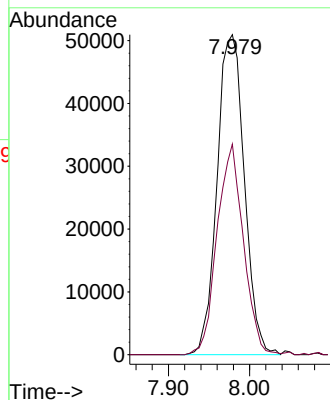
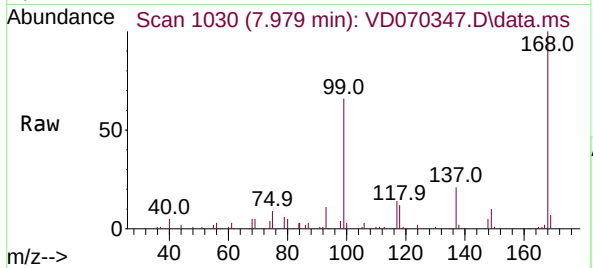




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070347.D
Acq: 14 Sep 2021 12:17

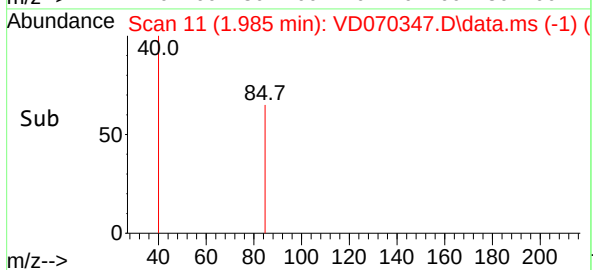
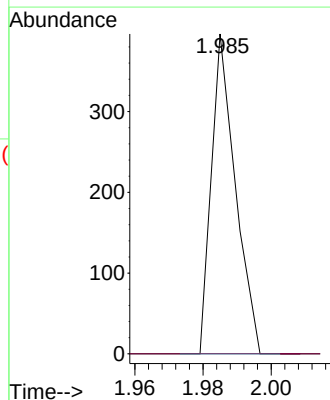
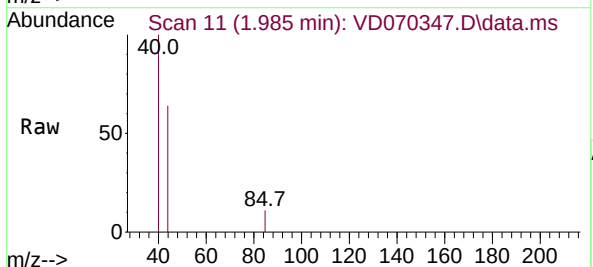
Instrument :
MSVOA_D
ClientSampleId :
SU-04-091021RE

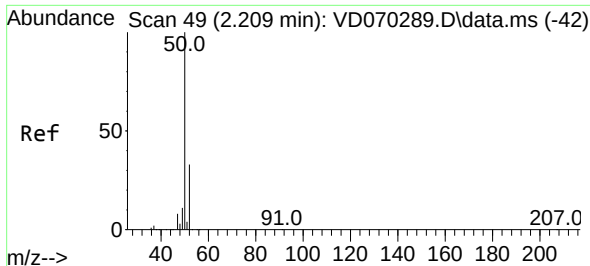
Tgt Ion:168 Resp: 118945
Ion Ratio Lower Upper
168 100
99 65.8 50.8 76.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.985 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD070347.D
Acq: 14 Sep 2021 12:17

Tgt Ion: 85 Resp: 193
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

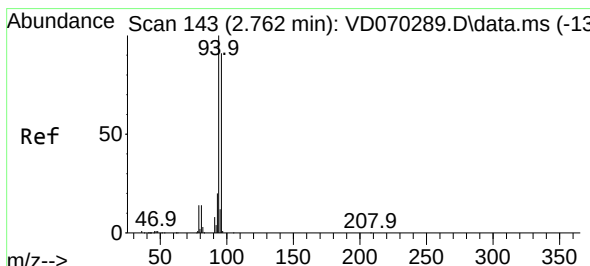
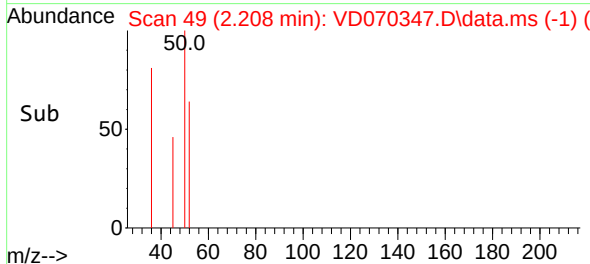
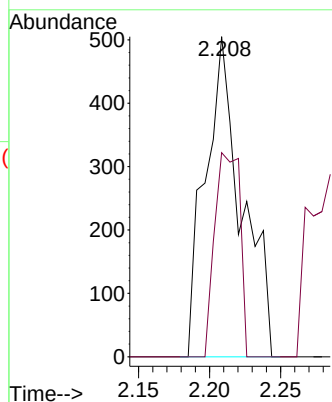
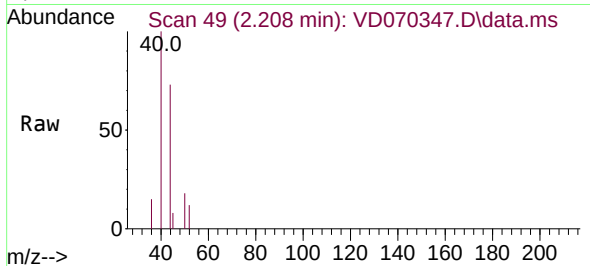




#3
Chloromethane
Concen: Below Cal
RT: 2.208 min Scan# 49
Delta R.T. -0.001 min
Lab File: VD070347.D
Acq: 14 Sep 2021 12:17

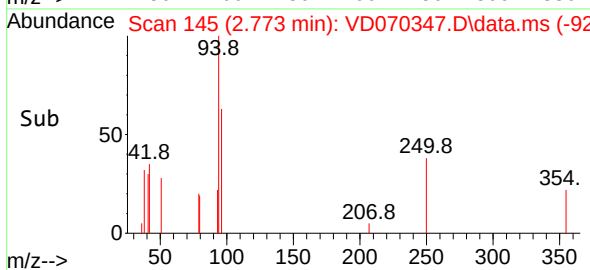
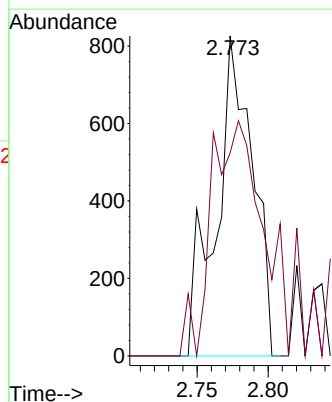
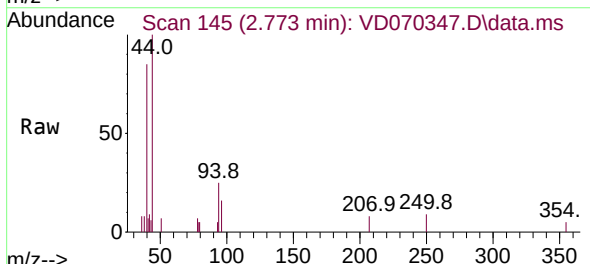
Instrument :
MSVOA_D
ClientSampleId :
SU-04-091021RE

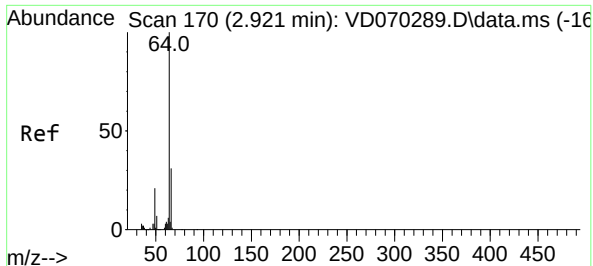
Tgt Ion: 50 Resp: 906
Ion Ratio Lower Upper
50 100
52 63.8 26.2 39.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD070347.D
Acq: 14 Sep 2021 12:17

Tgt Ion: 94 Resp: 1472
Ion Ratio Lower Upper
94 100
96 63.4 73.0 109.6#

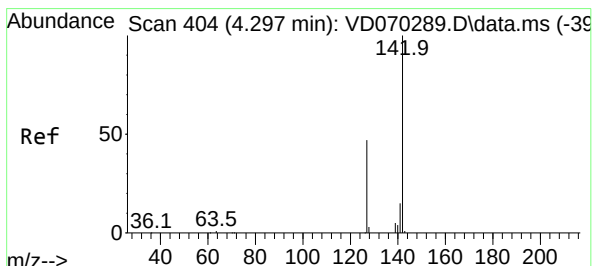
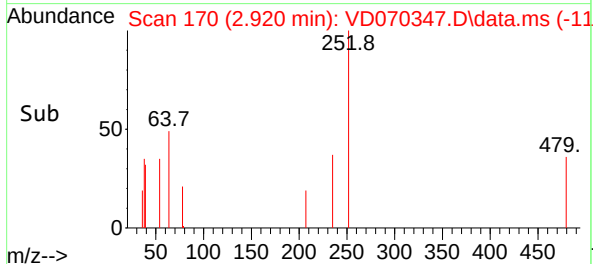
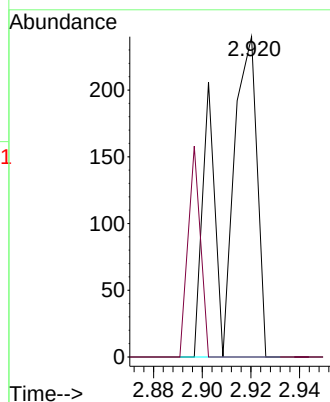
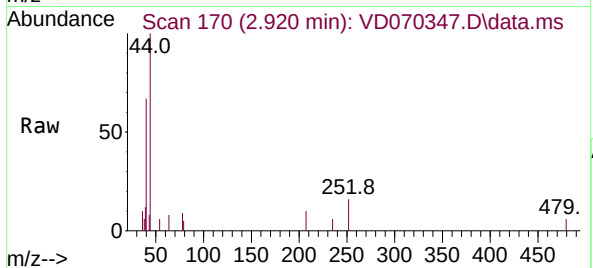




#6
Chloroethane
Concen: Below Cal
RT: 2.920 min Scan# 170
Delta R.T. -0.001 min
Lab File: VD070347.D
Acq: 14 Sep 2021 12:17

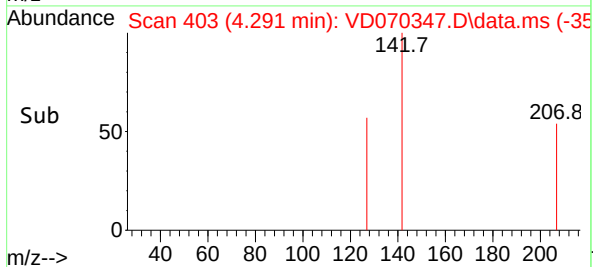
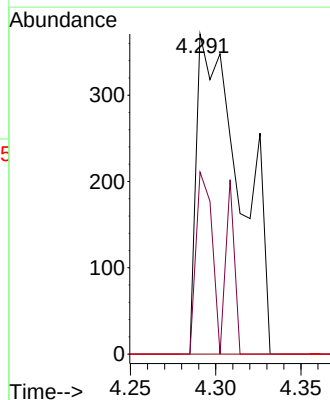
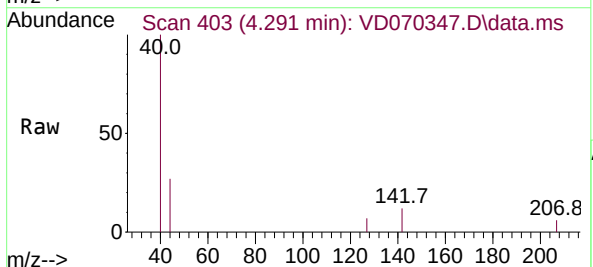
Instrument :
MSVOA_D
ClientSampleId :
SU-04-091021RE

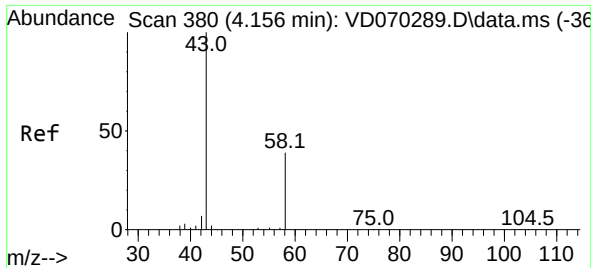
Tgt Ion: 64 Resp: 225
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#10
Methyl Iodide
Concen: 1.467 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD070347.D
Acq: 14 Sep 2021 12:17

Tgt Ion: 142 Resp: 658
Ion Ratio Lower Upper
142 100
127 20.8 36.9 55.3#
141 0.0 11.8 17.6#

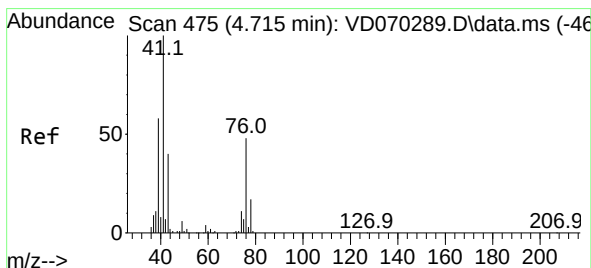
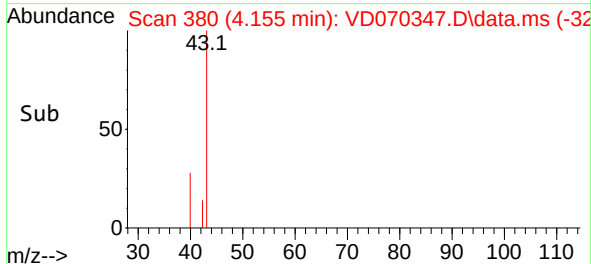
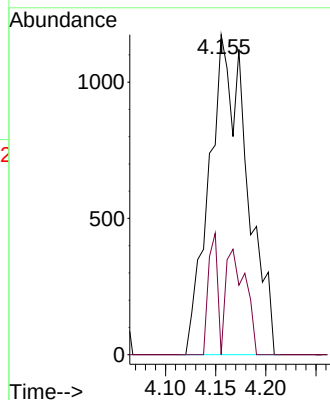
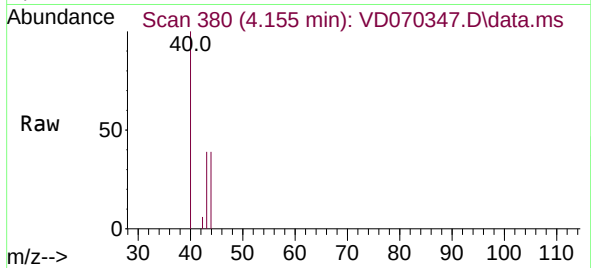




#16
Acetone
Concen: 11.310 ug/l
RT: 4.155 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD070347.D
Acq: 14 Sep 2021 12:17

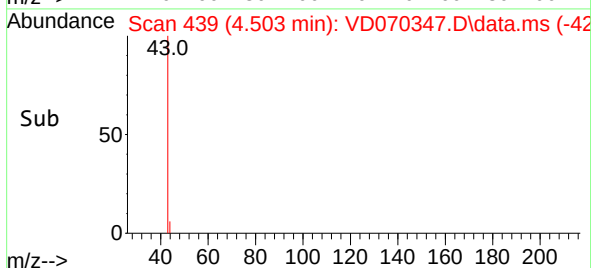
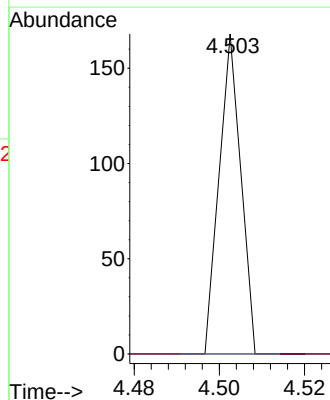
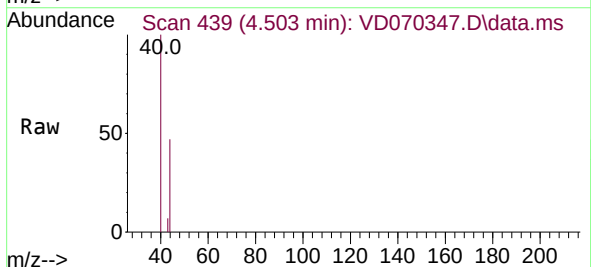
Instrument :
MSVOA_D
ClientSampleId :
SU-04-091021RE

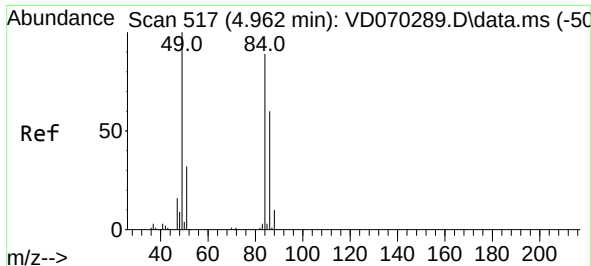
Tgt Ion: 43 Resp: 3084
Ion Ratio Lower Upper
43 100
58 0.0 30.9 46.3#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.503 min Scan# 439
Delta R.T. -0.212 min
Lab File: VD070347.D
Acq: 14 Sep 2021 12:17

Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#

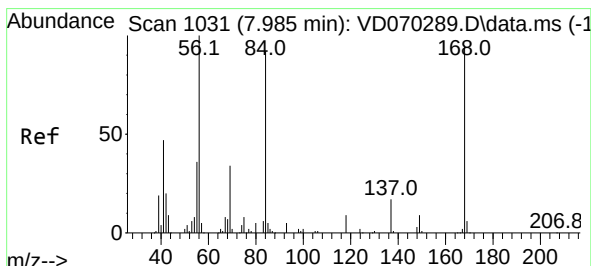
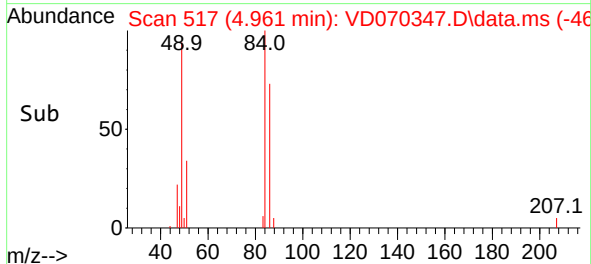
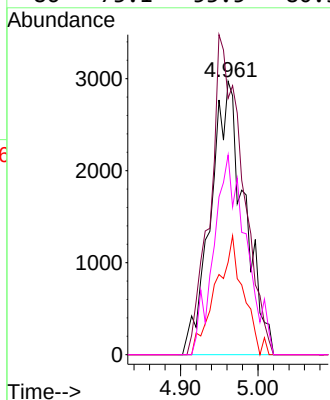
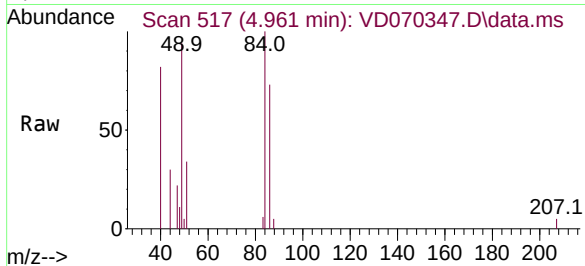




#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD070347.D
Acq: 14 Sep 2021 12:17

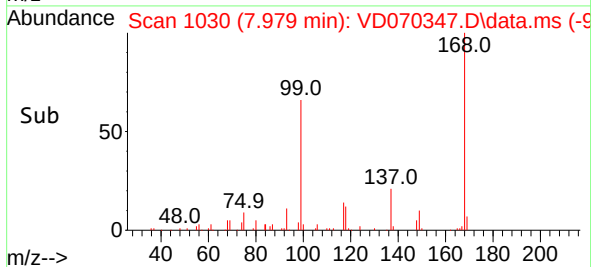
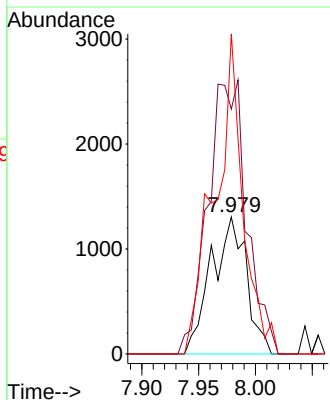
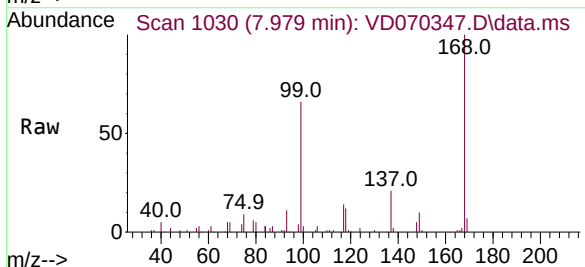
Instrument :
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ClientSampleId :
SU-04-091021RE

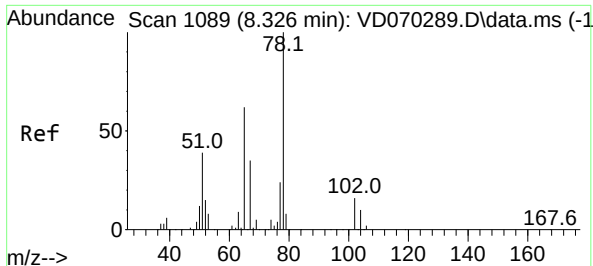
Tgt Ion:	84	Resp:	9035
Ion	Ratio	Lower	Upper
84	100		
49	93.8	89.6	134.4
51	33.8	28.6	43.0
86	73.1	53.5	80.3



#31
Cyclohexane
Concen: 1.068 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070347.D
Acq: 14 Sep 2021 12:17

Tgt Ion:	56	Resp:	2811
Ion	Ratio	Lower	Upper
56	100		
69	178.8	26.9	40.3#
84	233.6	73.6	110.4#



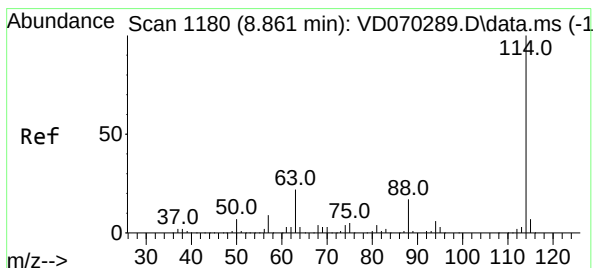
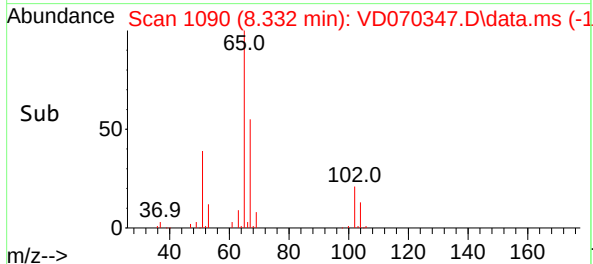
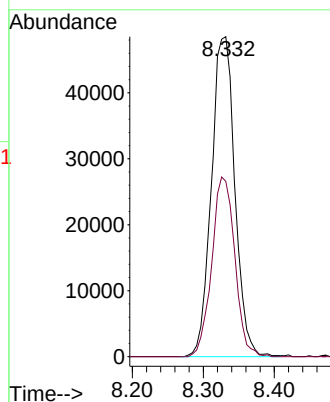
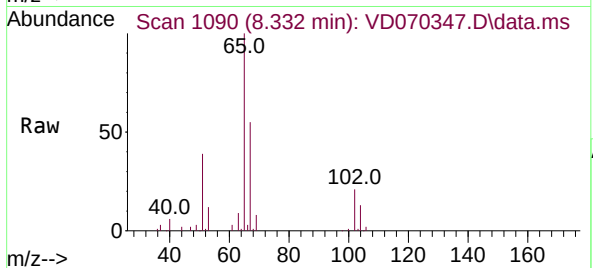


#33

1,2-Dichloroethane-d4
Concen: 72.877 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD070347.D
Acq: 14 Sep 2021 12:17

Instrument :
MSVOA_D
ClientSampleId :
SU-04-091021RE

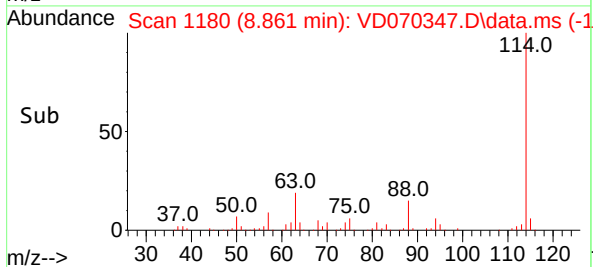
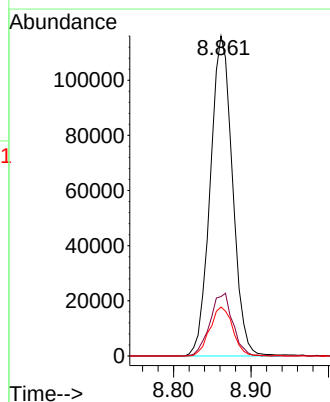
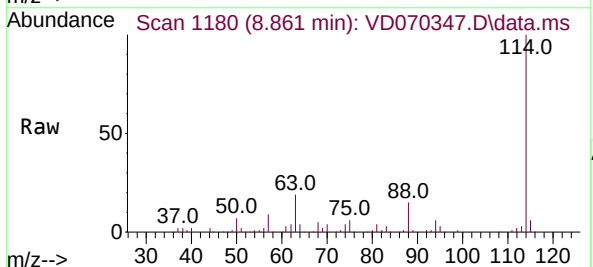
Tgt Ion: 65 Resp: 111303
Ion Ratio Lower Upper
65 100
67 55.1 0.0 111.4

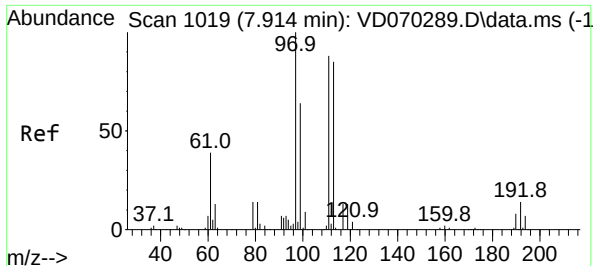


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070347.D
Acq: 14 Sep 2021 12:17

Tgt Ion: 114 Resp: 231141
Ion Ratio Lower Upper
114 100
63 18.5 0.0 43.4
88 15.3 0.0 33.4





#35

Dibromofluoromethane

Concen: 62.565 ug/l

RT: 7.914 min Scan# 1019

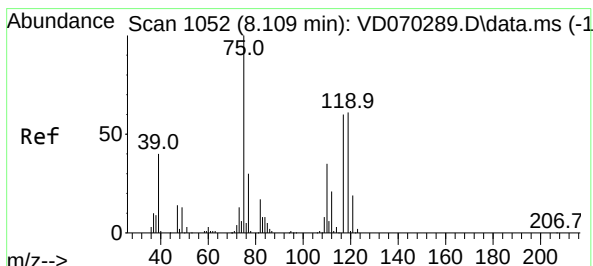
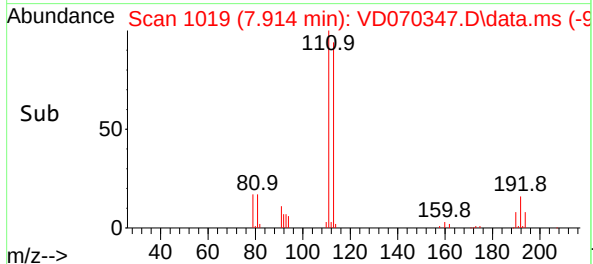
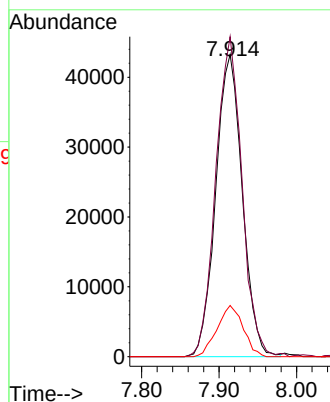
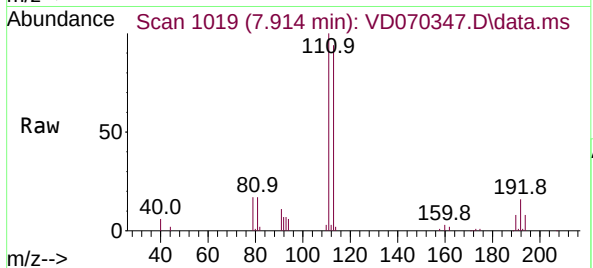
Delta R.T. -0.000 min

Lab File: VD070347.D

Acq: 14 Sep 2021 12:17

Tgt Ion:	113	Resp:	102937
Ion	Ratio	Lower	Upper
113	100		
111	104.5	81.4	122.2
192	16.7	13.0	19.6

Instrument :
MSVOA_D
ClientSampleId :
SU-04-091021RE



#36

1,1-Dichloropropene

Concen: 4.715 ug/l

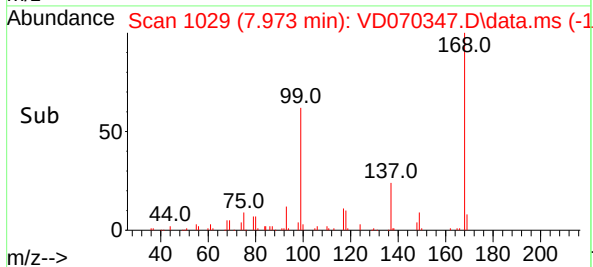
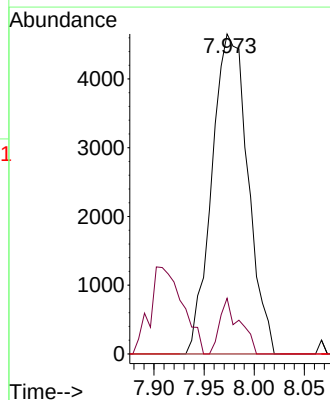
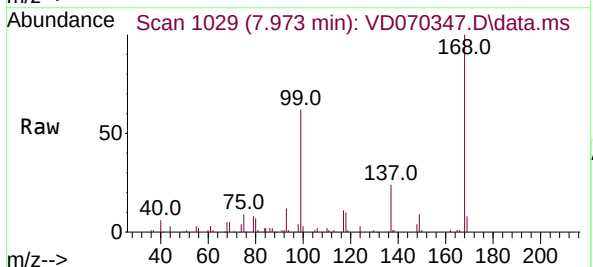
RT: 7.973 min Scan# 1029

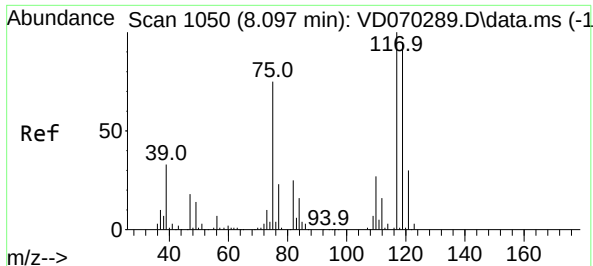
Delta R.T. -0.136 min

Lab File: VD070347.D

Acq: 14 Sep 2021 12:17

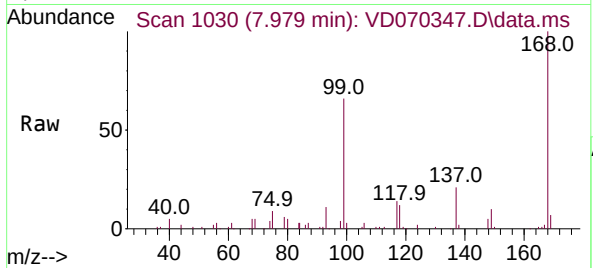
Tgt Ion:	75	Resp:	11648
Ion	Ratio	Lower	Upper
75	100		
110	9.6	17.9	53.7#
77	0.0	25.3	37.9#



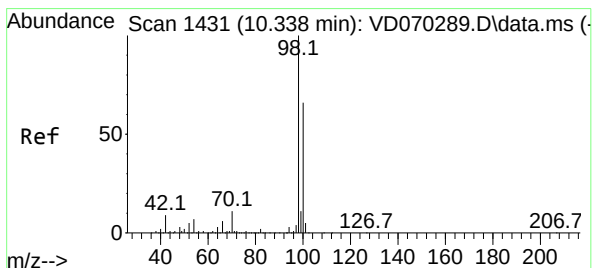
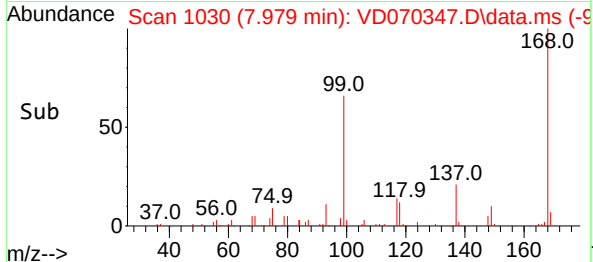
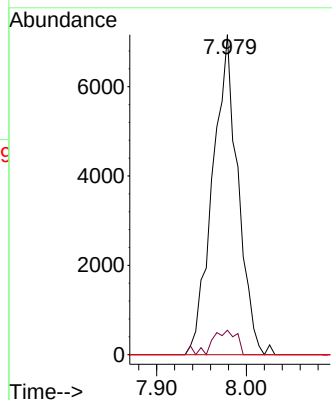


#38
Carbon Tetrachloride
Concen: 5.763 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070347.D
Acq: 14 Sep 2021 12:17

Instrument :
MSVOA_D
ClientSampleId :
SU-04-091021RE

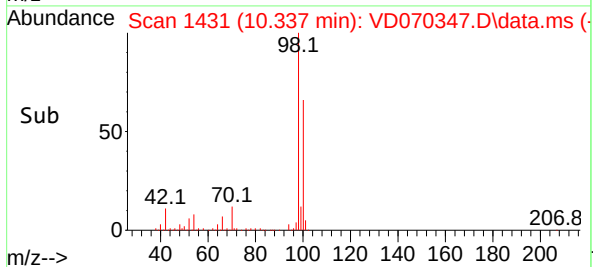
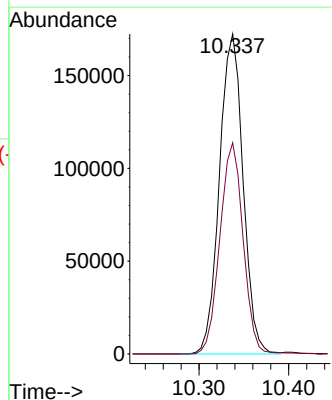
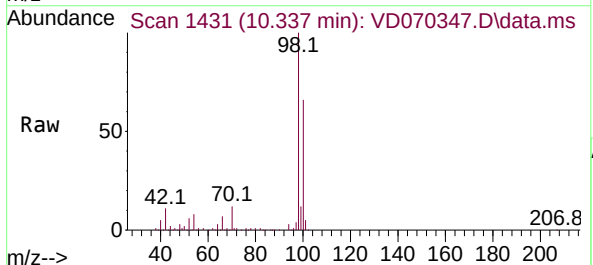


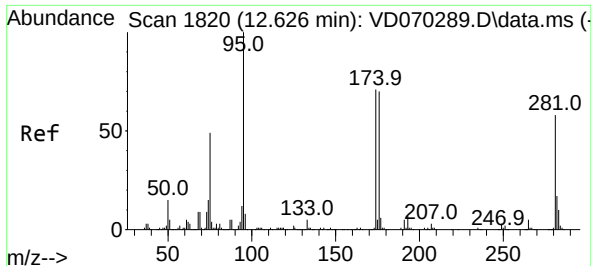
Tgt Ion:117 Resp: 14082
Ion Ratio Lower Upper
117 100
119 7.6 76.1 114.1#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 52.738 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070347.D
Acq: 14 Sep 2021 12:17

Tgt Ion: 98 Resp: 315040
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0

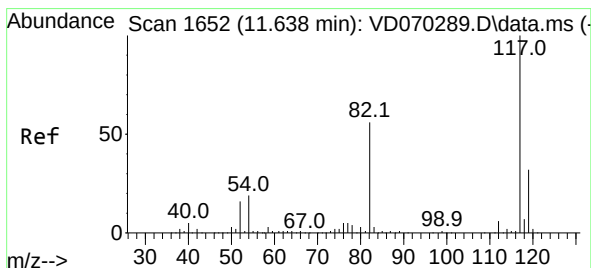
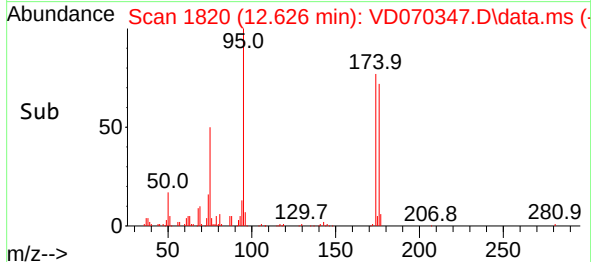
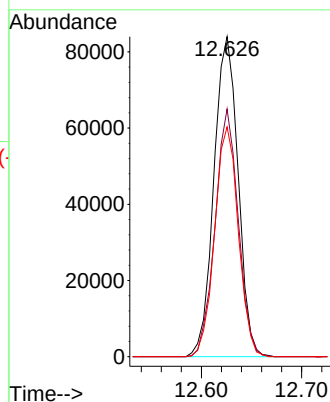
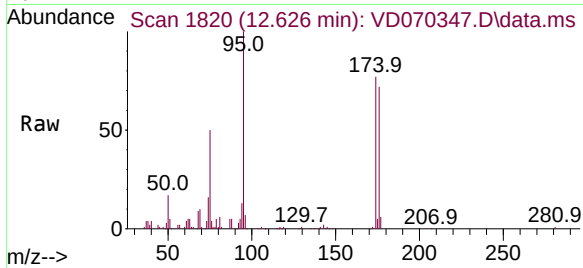




#62
4-Bromofluorobenzene
Concen: 67.162 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070347.D
Acq: 14 Sep 2021 12:17

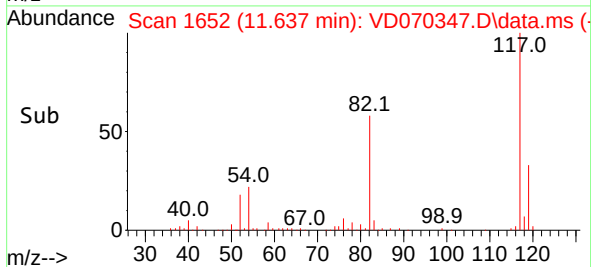
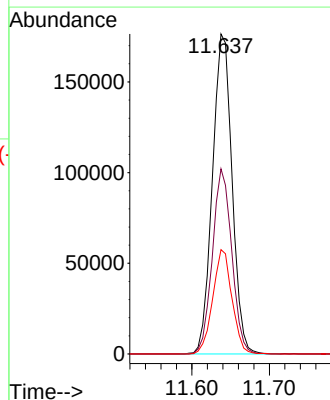
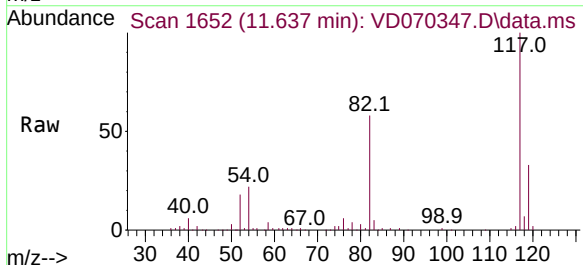
Instrument :
MSVOA_D
ClientSampleId :
SU-04-091021RE

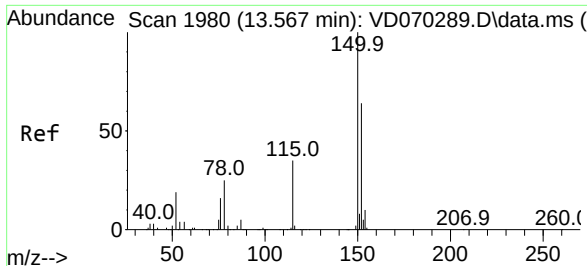
Tgt Ion: 95 Resp: 140214
Ion Ratio Lower Upper
95 100
174 74.4 0.0 140.6
176 70.4 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070347.D
Acq: 14 Sep 2021 12:17

Tgt Ion: 117 Resp: 310500
Ion Ratio Lower Upper
117 100
82 57.9 45.0 67.4
119 32.6 25.2 37.8

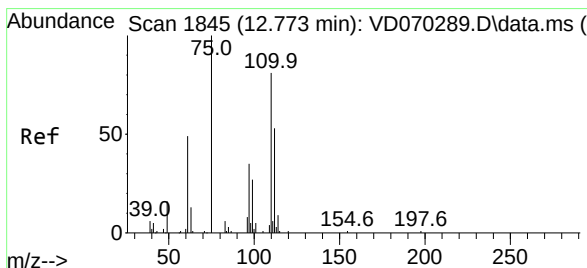
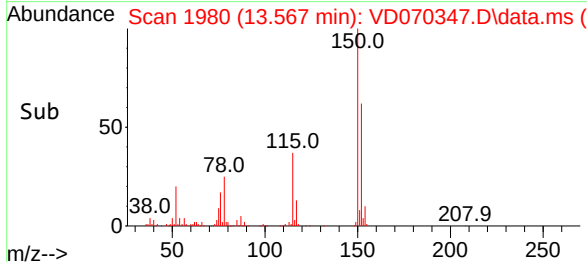
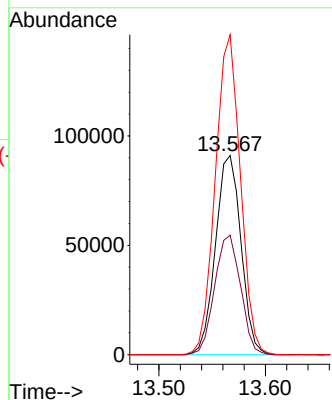
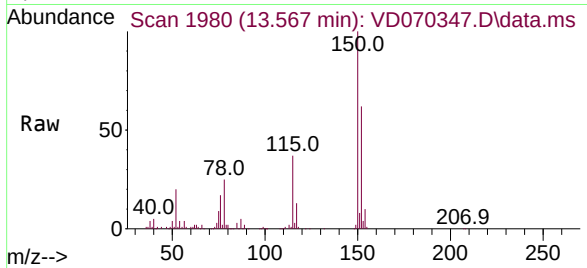




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD070347.D
 Acq: 14 Sep 2021 12:17

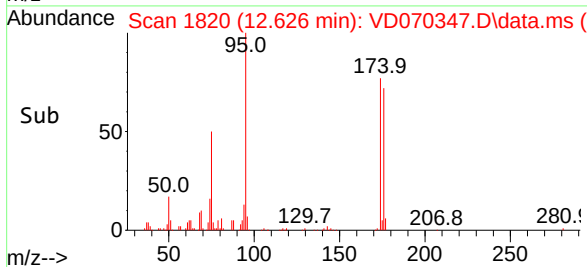
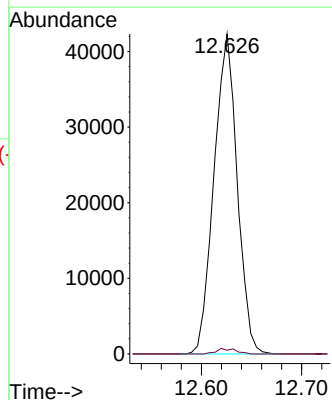
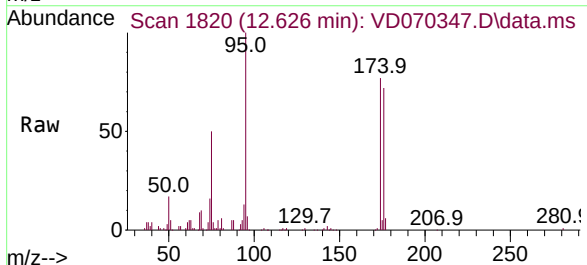
Instrument :
 MSVOA_D
 ClientSampleId :
 SU-04-091021RE

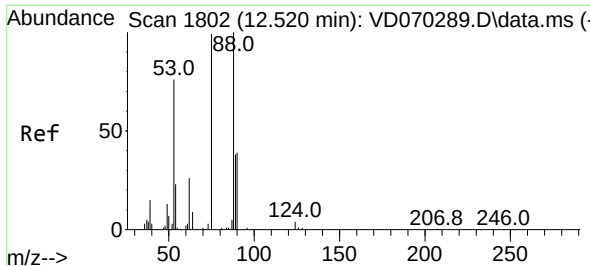
Tgt Ion:152 Resp: 151294
 Ion Ratio Lower Upper
 152 100
 115 61.0 32.1 96.3
 150 158.1 0.0 350.6



#76
 1,2,3-Trichloropropane
 Concen: 44.403 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD070347.D
 Acq: 14 Sep 2021 12:17

Tgt Ion: 75 Resp: 67953
 Ion Ratio Lower Upper
 75 100
 77 1.4 174.9 524.7#

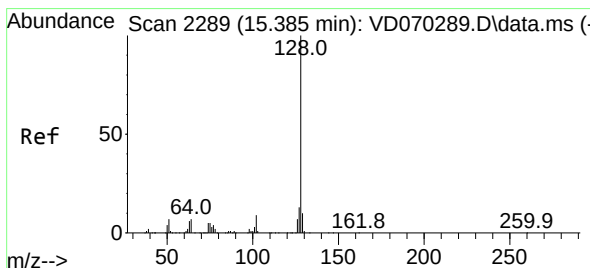
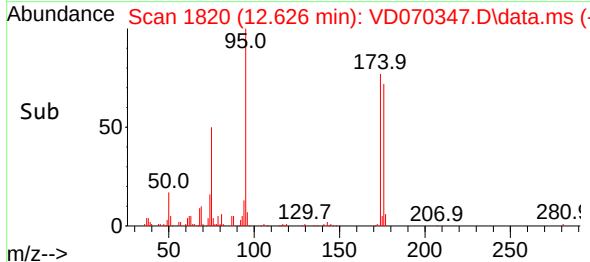
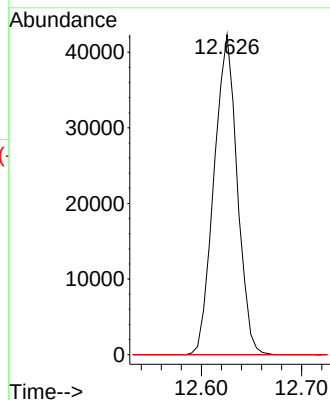
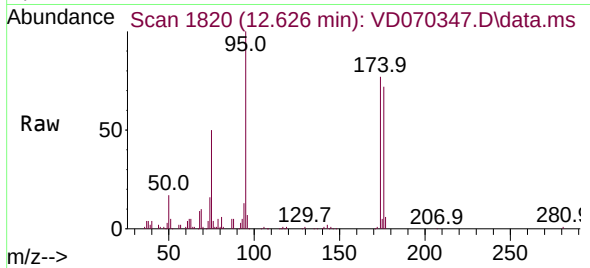




#81
trans-1,4-Dichloro-2-butene
Concen: 111.257 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070347.D
Acq: 14 Sep 2021 12:17

Instrument :
MSVOA_D
ClientSampleId :
SU-04-091021RE

Tgt Ion: 75 Resp: 67953
Ion Ratio Lower Upper
75 100
53 0.0 64.2 96.2#
89 0.0 35.6 53.4#



#95
Naphthalene
Concen: 24.894 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD070347.D
Acq: 14 Sep 2021 12:17

Tgt Ion:128 Resp: 109859
Ion Ratio Lower Upper
128 100
127 13.4 10.5 15.7
129 11.5 9.0 13.4

