

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092221\
 Data File : VD070434.D
 Acq On : 22 Sep 2021 18:44
 Operator : VA/SY
 Sample : M3867-04RE
 Misc : 7.24G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-4-(5.0-6.0)RE

Quant Time: Sep 23 05:35:17 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)

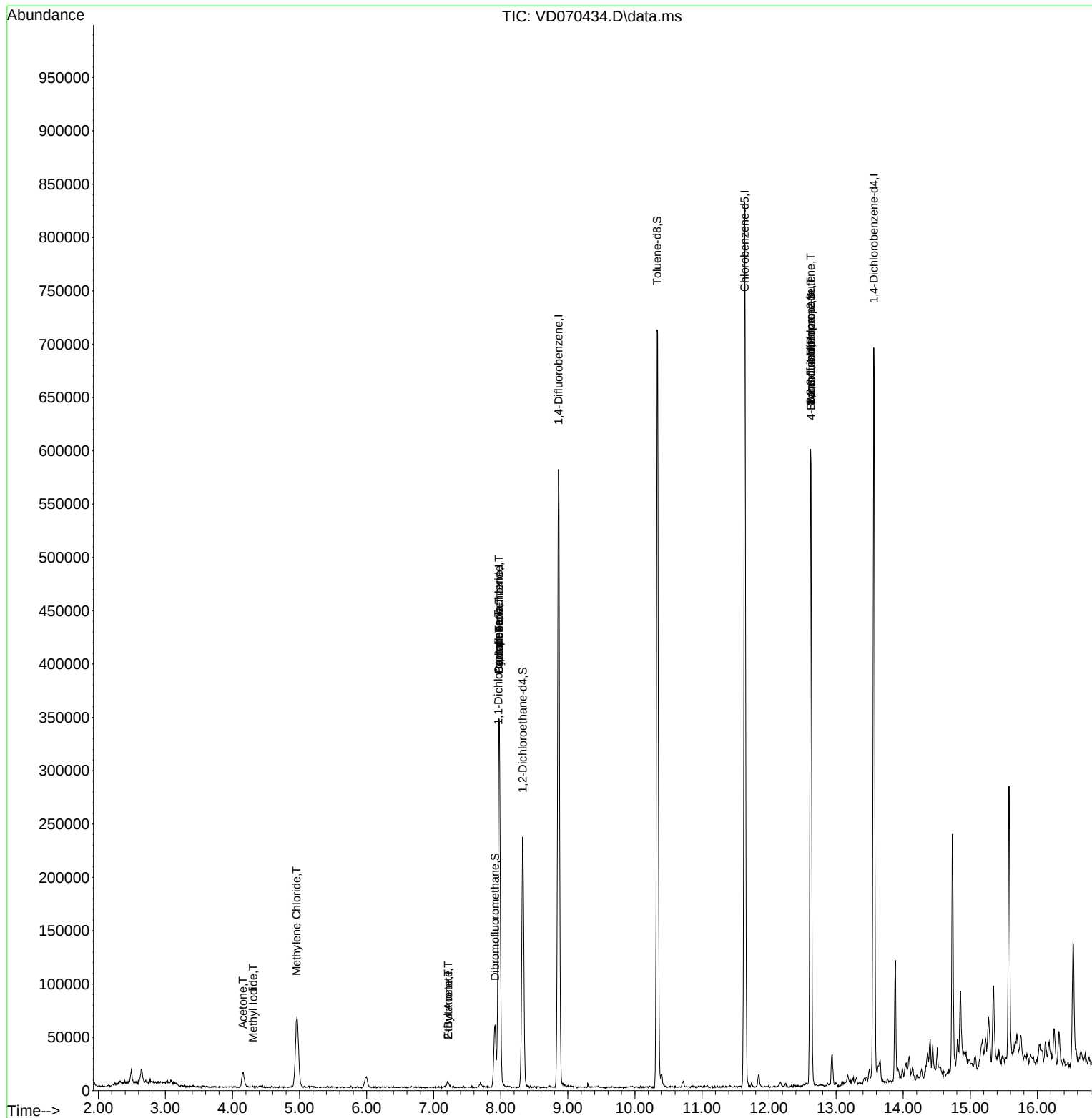
Internal Standards						
1) Pentafluorobenzene	7.973	168	253520	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	505913	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	485723	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	186260	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	181822	55.855	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.700%
35) Dibromofluoromethane	7.914	113	44309	12.304	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	24.600%#
50) Toluene-d8	10.332	98	513824	39.298	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	78.600%
62) 4-Bromofluorobenzene	12.626	95	160888	35.209	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	70.420%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	276	Below Cal	#	43
3) Chloromethane	2.209	50	598	Below Cal	#	59
5) Bromomethane	2.762	94	182	Below Cal	#	37
6) Chloroethane	2.967	64	72	Below Cal	#	8
10) Methyl Iodide	4.309	142	162	1.080	ug/l #	39
16) Acetone	4.156	43	23602	40.611	ug/l	95
18) Methyl Acetate	4.926	43	54	Below Cal	#	48
20) Methylene Chloride	4.956	84	56483	9.748	ug/l	90
25) 2-Butanone	7.214	43	5767	7.454	ug/l	93
31) Cyclohexane	7.973	56	6373	1.137	ug/l #	13
36) 1,1-Dichloropropene	7.967	75	21707	4.014	ug/l #	49
37) Ethyl Acetate	7.214	43	5767	2.852	ug/l #	65
38) Carbon Tetrachloride	7.973	117	27561	5.153	ug/l #	16
71) Bromoform	12.620	173	1847	1.014	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	79278	42.079	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	79278	105.432	ug/l #	18

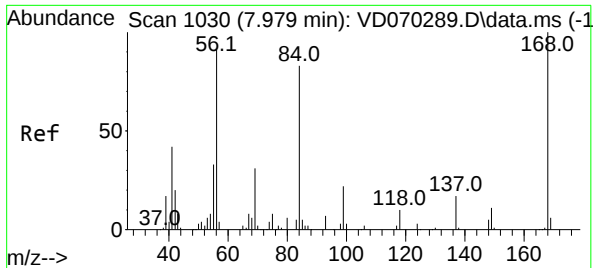
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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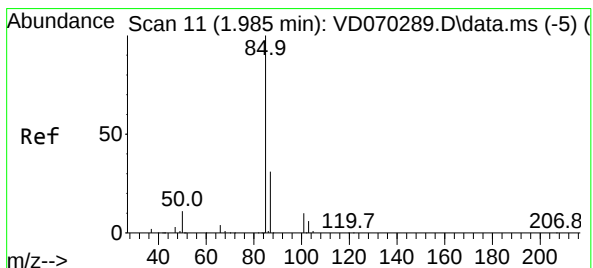
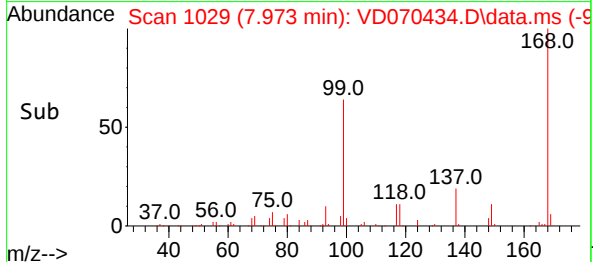
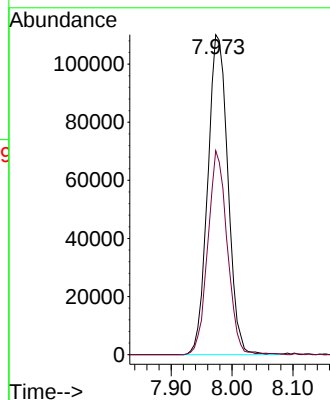
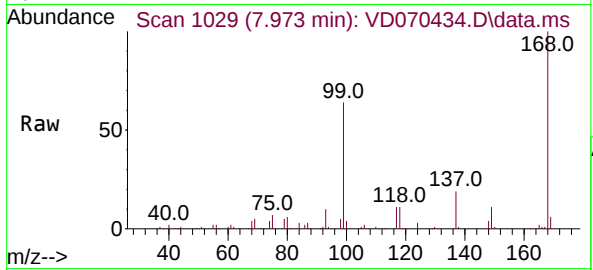




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070434.D
Acq: 22 Sep 2021 18:44

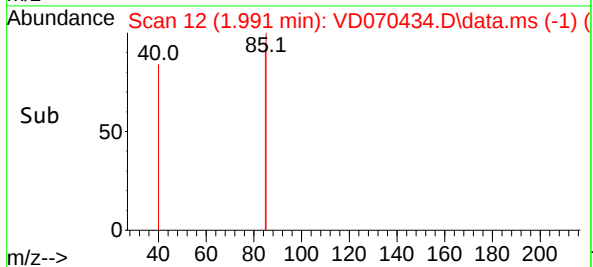
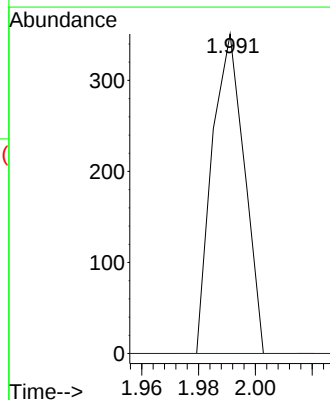
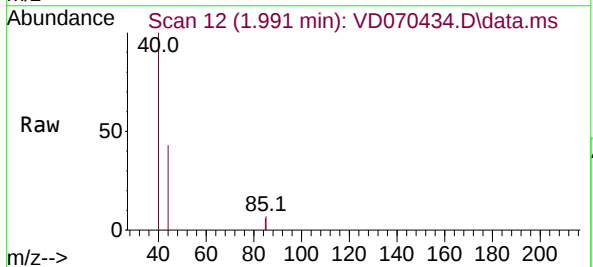
Instrument :
MSVOA_D
ClientSampleId :
SB-4-(5.0-6.0)RE

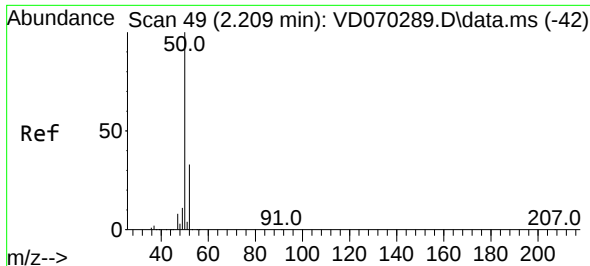
Tgt Ion:168 Resp: 253520
Ion Ratio Lower Upper
168 100
99 63.7 50.8 76.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.006 min
Lab File: VD070434.D
Acq: 22 Sep 2021 18:44

Tgt Ion: 85 Resp: 276
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

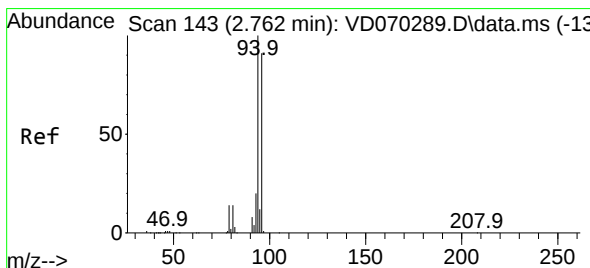
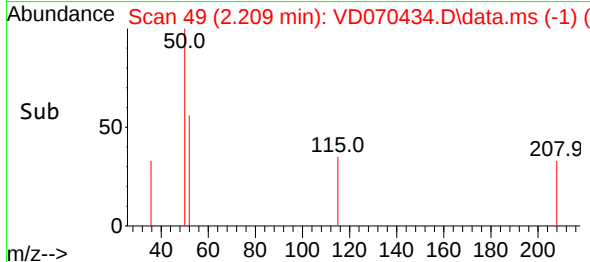
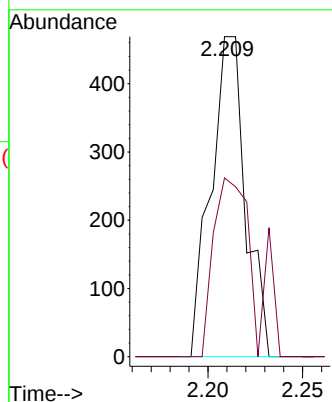
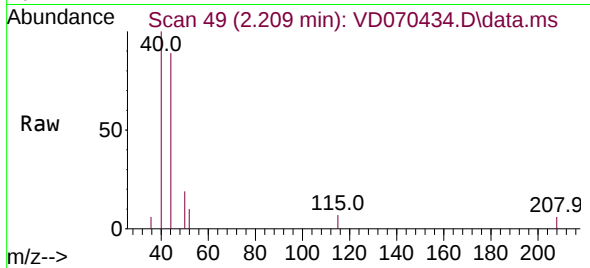




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070434.D
Acq: 22 Sep 2021 18:44

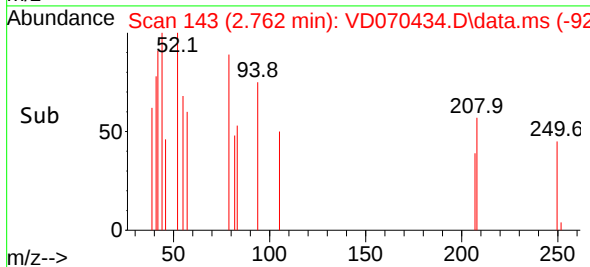
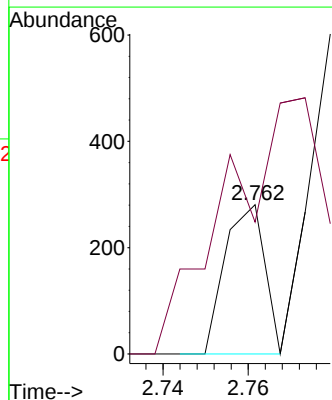
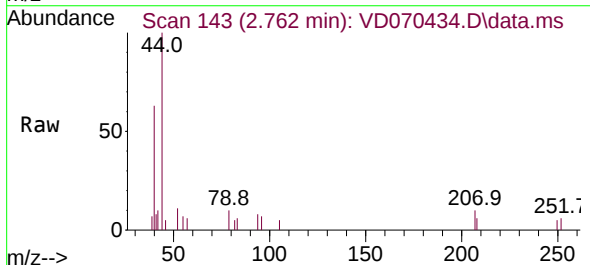
Instrument :
MSVOA_D
ClientSampleId :
SB-4-(5.0-6.0)RE

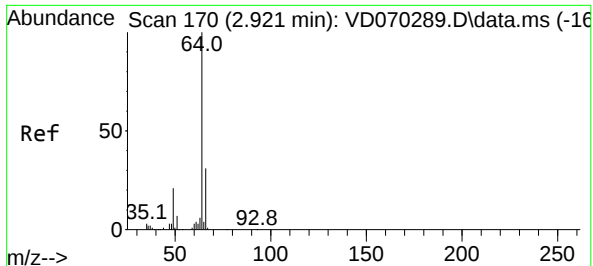
Tgt Ion: 50 Resp: 598
Ion Ratio Lower Upper
50 100
52 55.9 26.2 39.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.762 min Scan# 143
Delta R.T. -0.000 min
Lab File: VD070434.D
Acq: 22 Sep 2021 18:44

Tgt Ion: 94 Resp: 182
Ion Ratio Lower Upper
94 100
96 31.3 73.0 109.6#

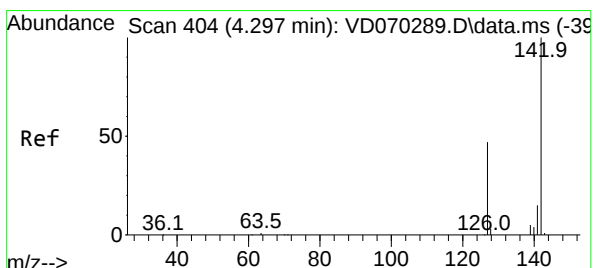
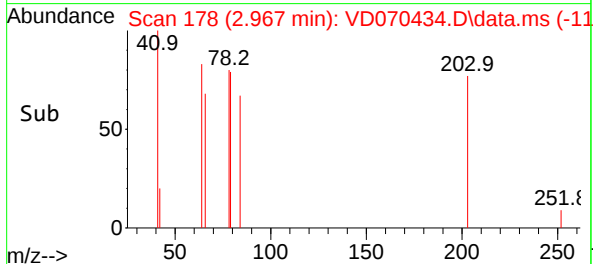
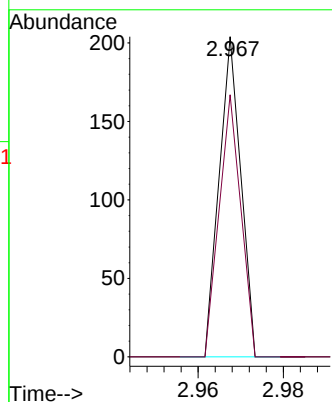
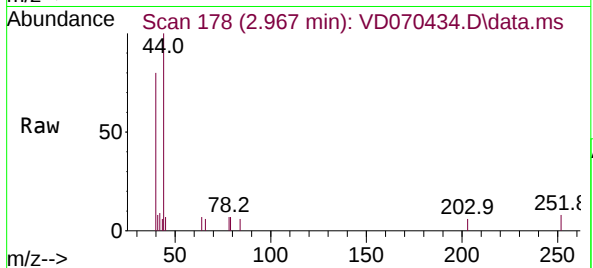




#6
Chloroethane
Concen: Below Cal
RT: 2.967 min Scan# 178
Delta R.T. 0.046 min
Lab File: VD070434.D
Acq: 22 Sep 2021 18:44

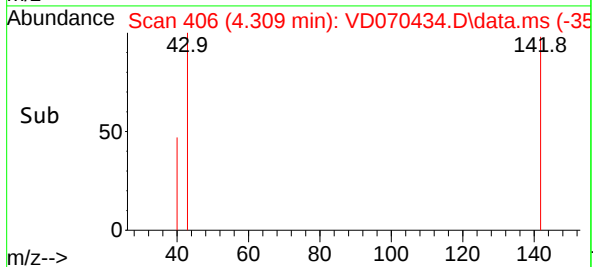
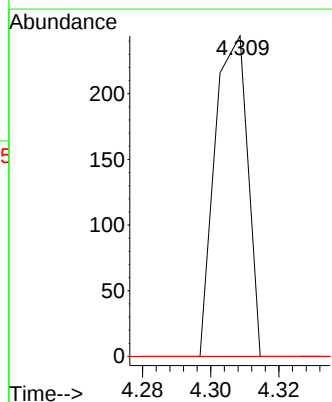
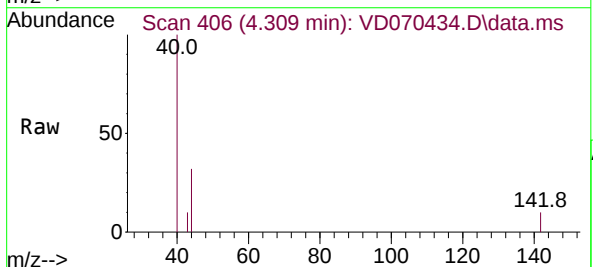
Instrument :
MSVOA_D
ClientSampleId :
SB-4-(5.0-6.0)RE

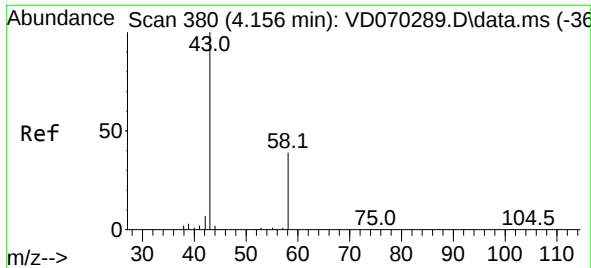
Tgt Ion: 64 Resp: 72
Ion Ratio Lower Upper
64 100
66 81.9 25.0 37.4#



#10
Methyl Iodide
Concen: 1.080 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD070434.D
Acq: 22 Sep 2021 18:44

Tgt Ion:142 Resp: 162
Ion Ratio Lower Upper
142 100
127 0.0 36.9 55.3#
141 0.0 11.8 17.6#

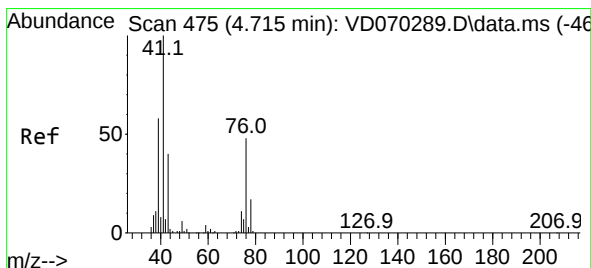
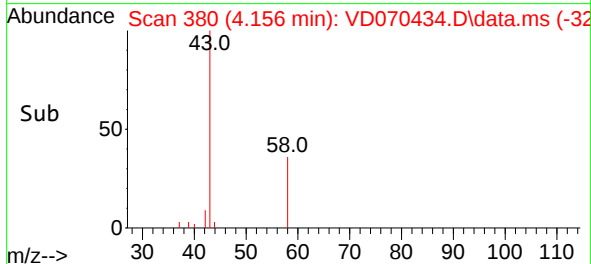
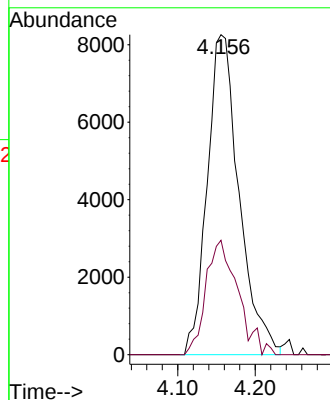
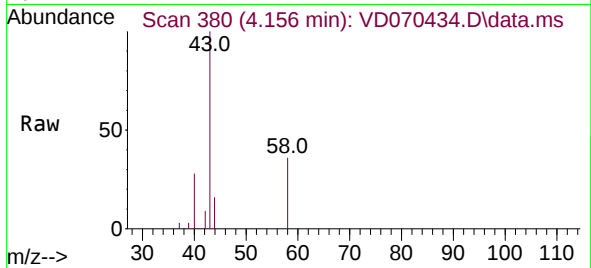




#16
Acetone
Concen: 40.611 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD070434.D
Acq: 22 Sep 2021 18:44

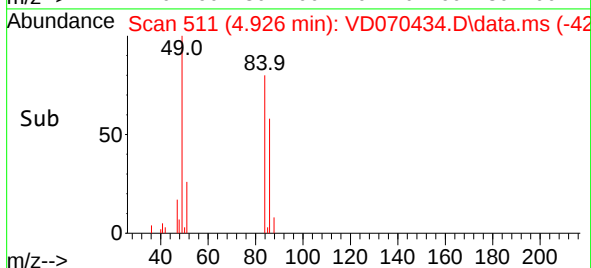
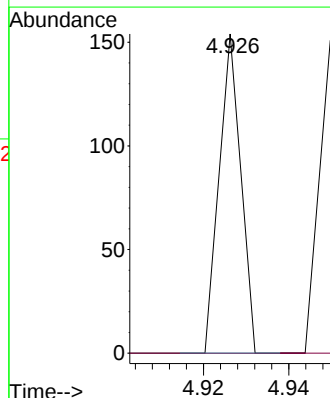
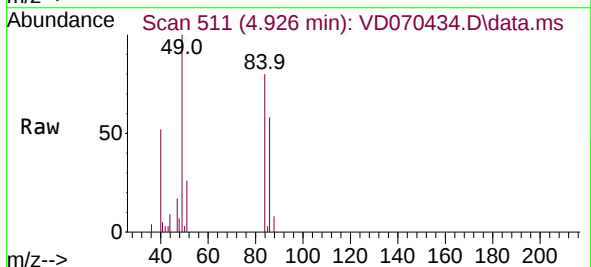
Instrument :
MSVOA_D
ClientSampleId :
SB-4-(5.0-6.0)RE

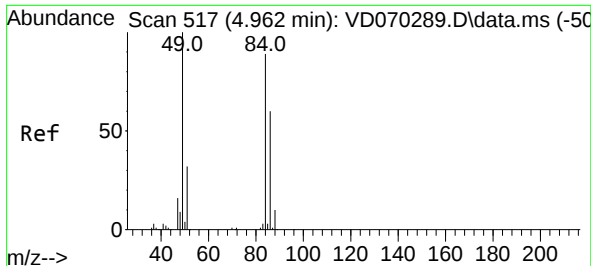
Tgt Ion: 43 Resp: 23602
Ion Ratio Lower Upper
43 100
58 35.7 30.9 46.3



#18
Methyl Acetate
Concen: Below Cal
RT: 4.926 min Scan# 511
Delta R.T. 0.211 min
Lab File: VD070434.D
Acq: 22 Sep 2021 18:44

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

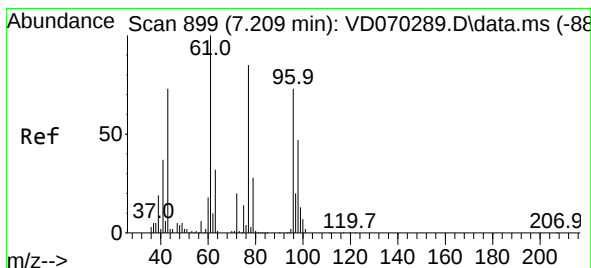
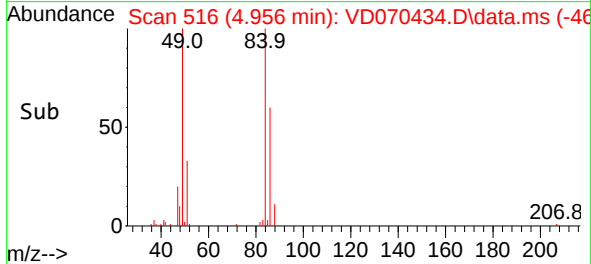
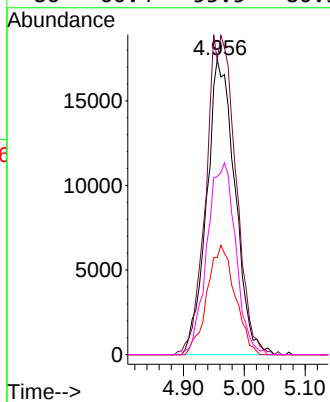
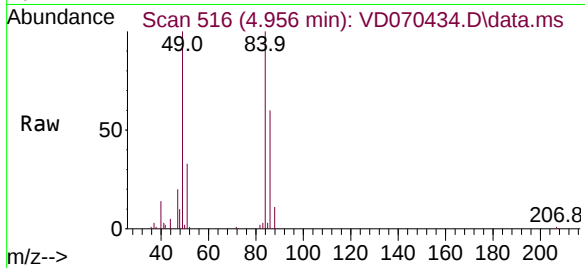




#20
Methylene Chloride
Concen: 9.748 ug/l
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD070434.D
Acq: 22 Sep 2021 18:44

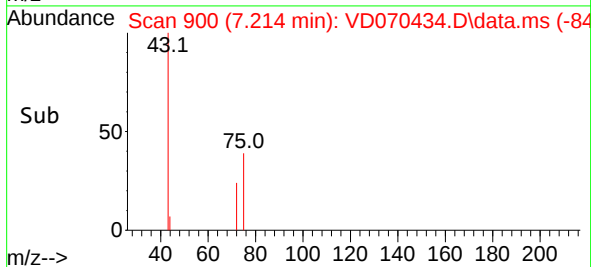
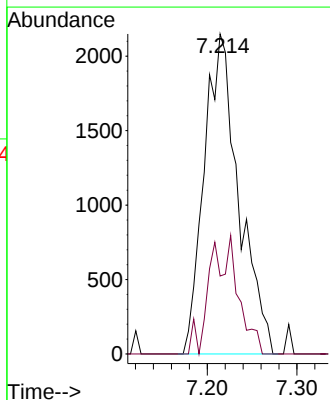
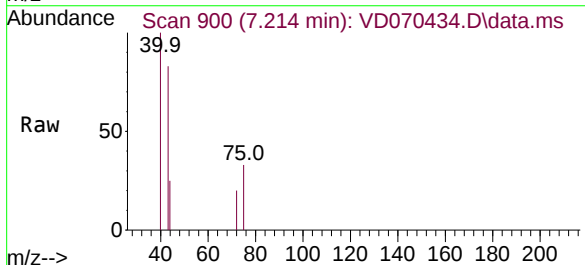
Instrument :
MSVOA_D
ClientSampleId :
SB-4-(5.0-6.0)RE

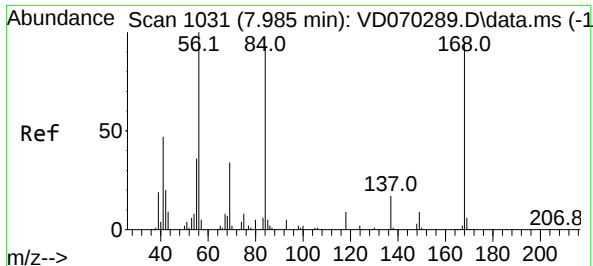
Tgt Ion:	84	Resp:	56483
Ion	Ratio	Lower	Upper
84	100		
49	98.8	89.6	134.4
51	33.0	28.6	43.0
86	60.4	53.5	80.3



#25
2-Butanone
Concen: 7.454 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.006 min
Lab File: VD070434.D
Acq: 22 Sep 2021 18:44

Tgt Ion:	43	Resp:	5767
Ion	Ratio	Lower	Upper
43	100		
72	24.4	22.2	33.4

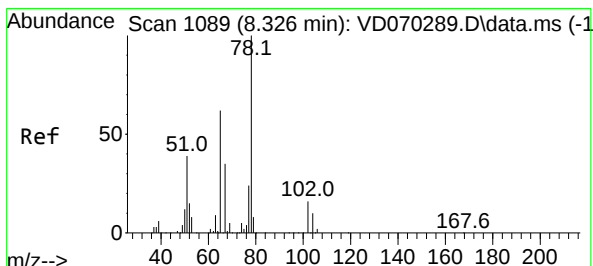
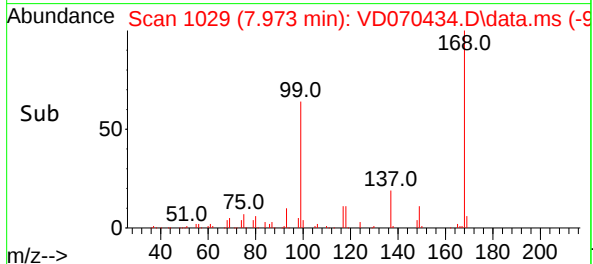
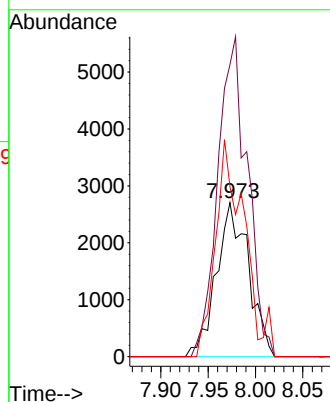
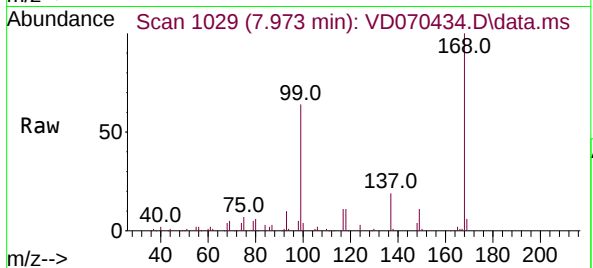




#31
Cyclohexane
Concen: 1.137 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD070434.D
Acq: 22 Sep 2021 18:44

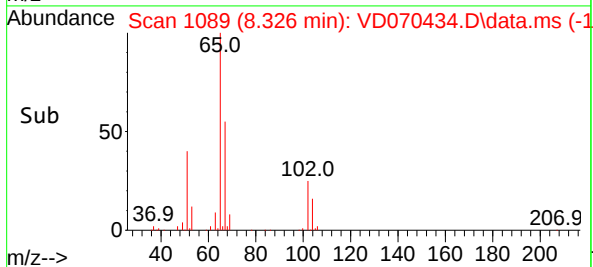
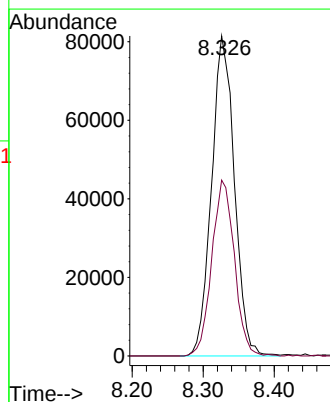
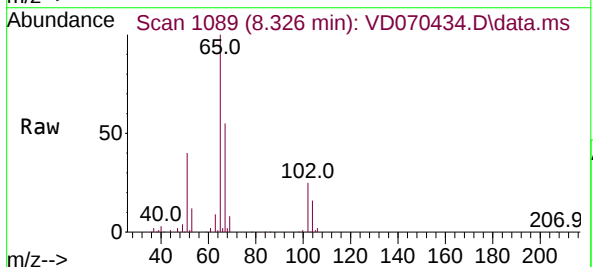
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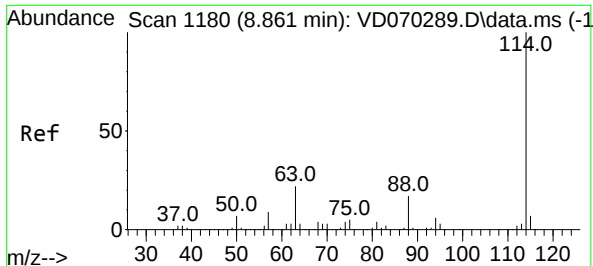
Tgt Ion: 56 Resp: 6373
Ion Ratio Lower Upper
56 100
69 189.4 26.9 40.3#
84 110.5 73.6 110.4#



#33
1,2-Dichloroethane-d4
Concen: 55.855 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070434.D
Acq: 22 Sep 2021 18:44

Tgt Ion: 65 Resp: 181822
Ion Ratio Lower Upper
65 100
67 54.4 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: VD070434.D

Acq: 22 Sep 2021 18:44

Tgt Ion:114 Resp: 505913

Ion Ratio Lower Upper

114 100

63 20.4 0.0 43.4

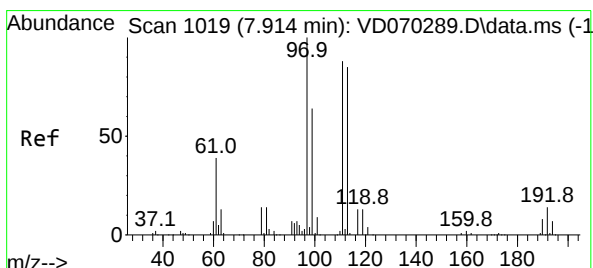
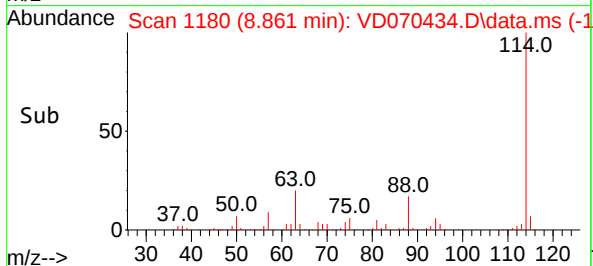
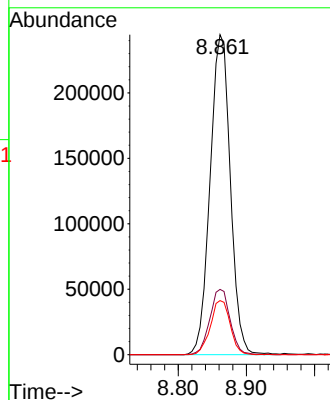
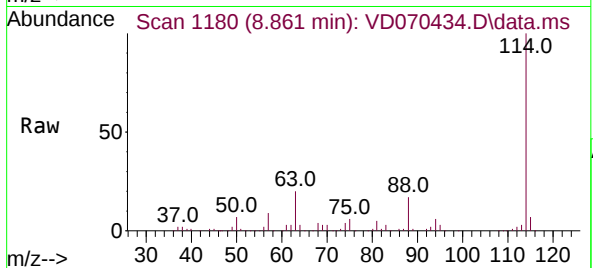
88 16.9 0.0 33.4

Instrument :

MSVOA_D

ClientSampleId :

SB-4-(5.0-6.0)RE



#35

Dibromofluoromethane

Concen: 12.304 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD070434.D

Acq: 22 Sep 2021 18:44

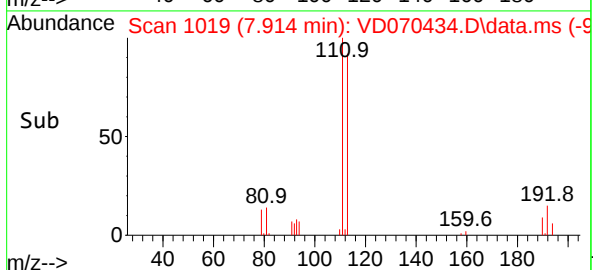
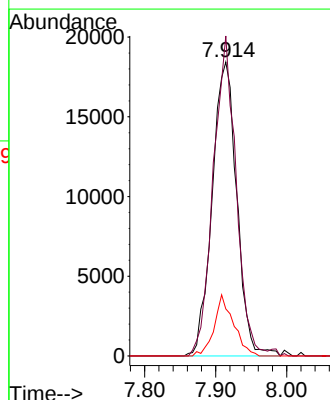
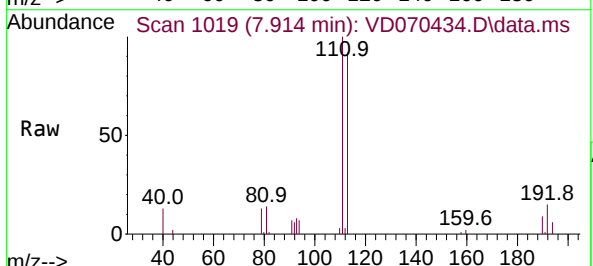
Tgt Ion:113 Resp: 44309

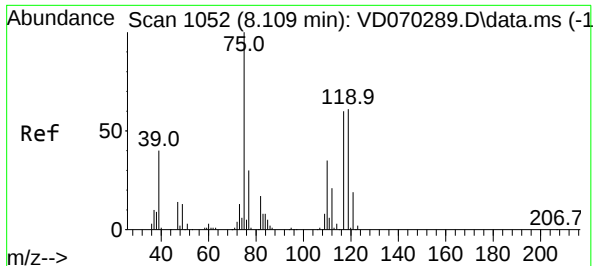
Ion Ratio Lower Upper

113 100

111 101.7 81.4 122.2

192 16.4 13.0 19.6

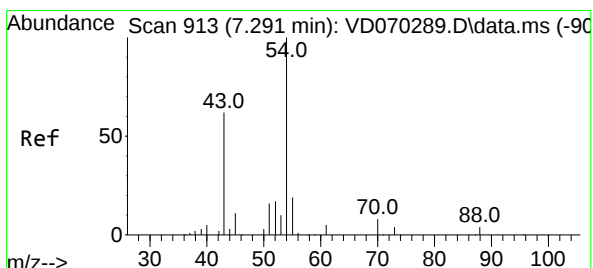
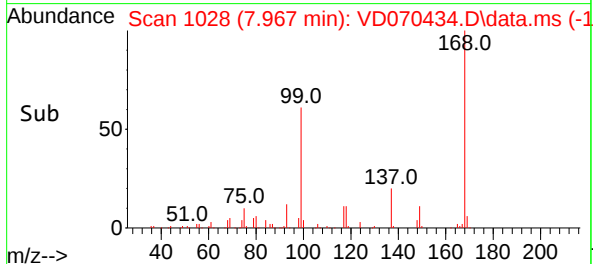
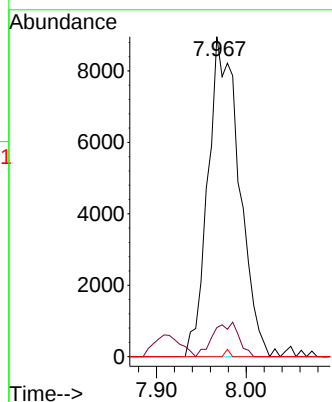
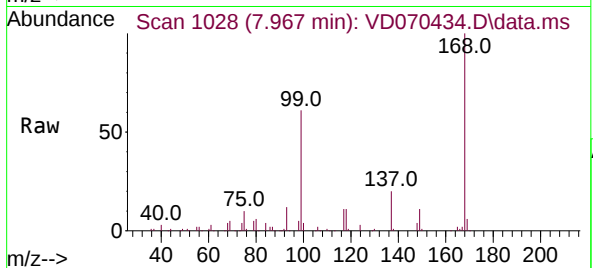




#36
1,1-Dichloropropene
Concen: 4.014 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.141 min
Lab File: VD070434.D
Acq: 22 Sep 2021 18:44

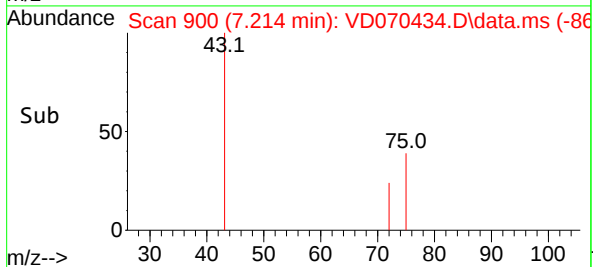
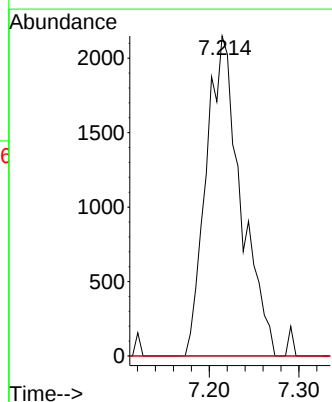
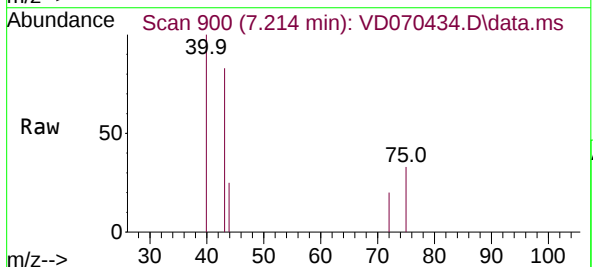
Instrument :
MSVOA_D
ClientSampleId :
SB-4-(5.0-6.0)RE

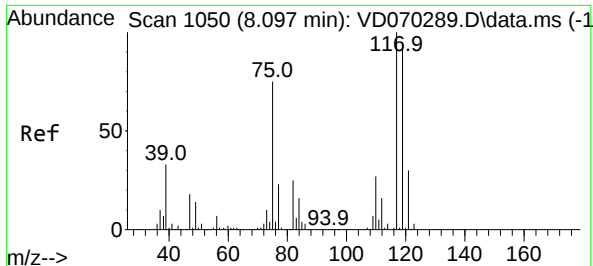
Tgt Ion: 75 Resp: 21707
Ion Ratio Lower Upper
75 100
110 8.8 17.9 53.7#
77 0.3 25.3 37.9#



#37
Ethyl Acetate
Concen: 2.852 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.077 min
Lab File: VD070434.D
Acq: 22 Sep 2021 18:44

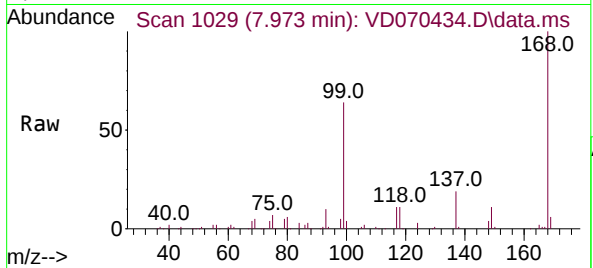
Tgt Ion: 43 Resp: 5767
Ion Ratio Lower Upper
43 100
61 0.0 13.0 19.6#
70 0.0 9.8 14.6#



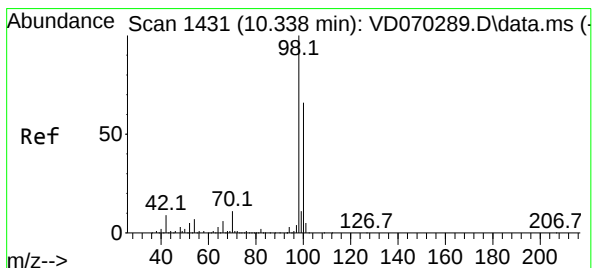
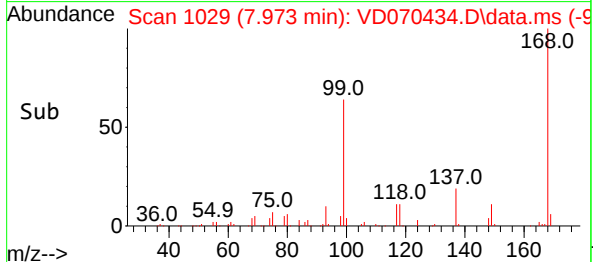
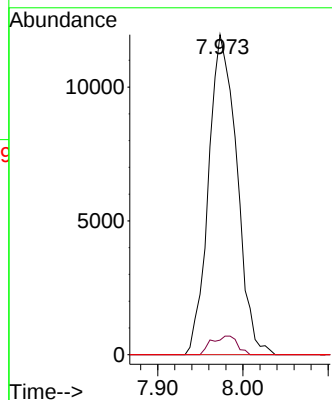


#38
Carbon Tetrachloride
Concen: 5.153 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD070434.D
Acq: 22 Sep 2021 18:44

Instrument :
MSVOA_D
ClientSampleId :
SB-4-(5.0-6.0)RE

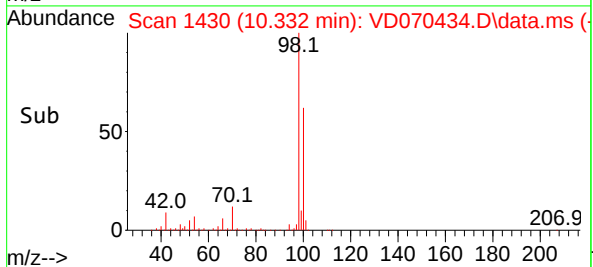
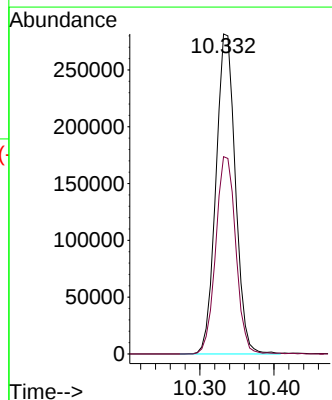
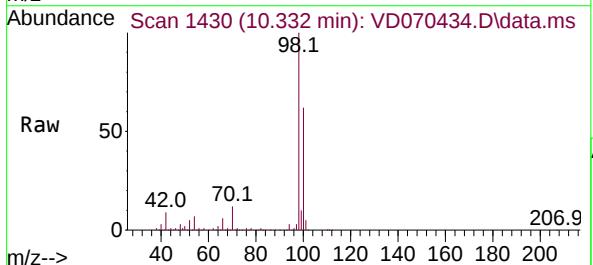


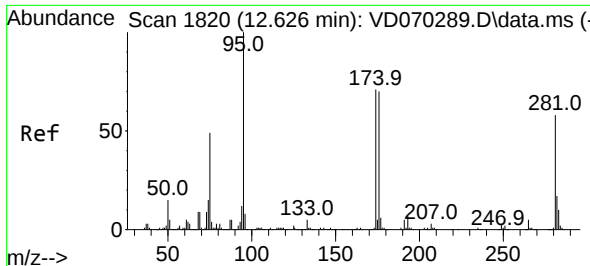
Tgt Ion:117 Resp: 27561
Ion Ratio Lower Upper
117 100
119 4.5 76.1 114.1#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 39.298 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD070434.D
Acq: 22 Sep 2021 18:44

Tgt Ion: 98 Resp: 513824
Ion Ratio Lower Upper
98 100
100 63.6 52.0 78.0

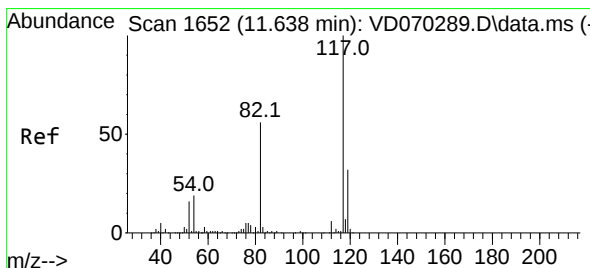
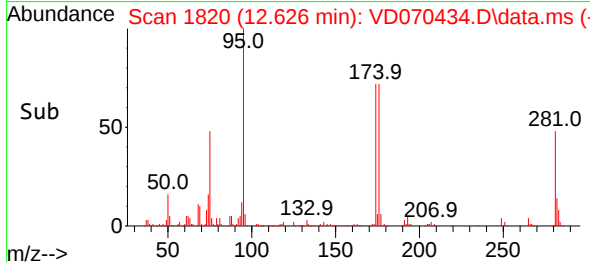
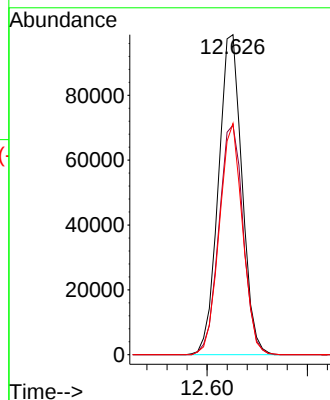
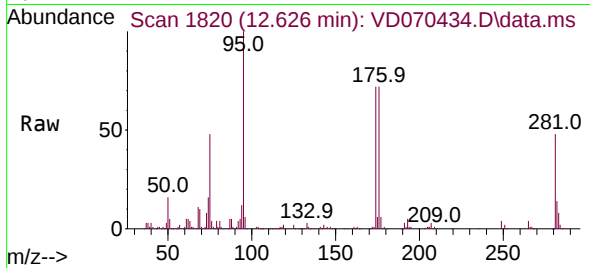




#62
4-Bromofluorobenzene
Concen: 35.209 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070434.D
Acq: 22 Sep 2021 18:44

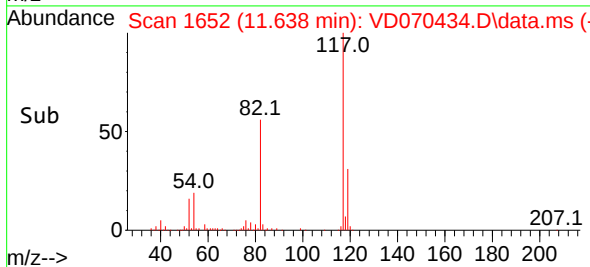
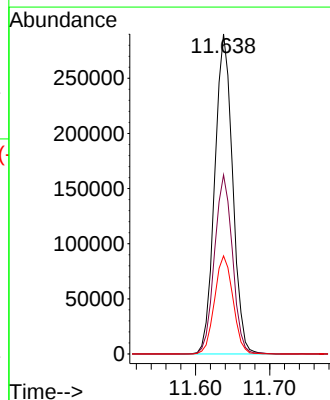
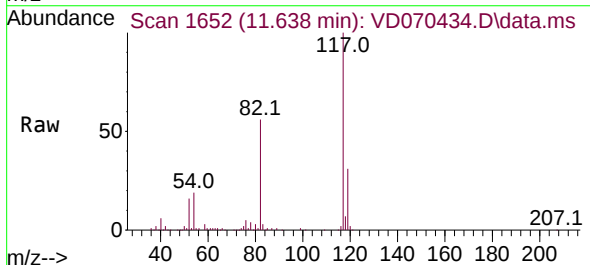
Instrument :
MSVOA_D
ClientSampleId :
SB-4-(5.0-6.0)RE

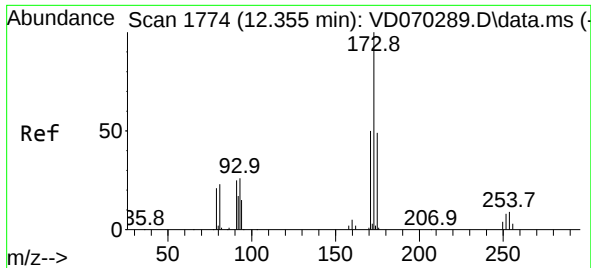
Tgt Ion: 95 Resp: 160888
Ion Ratio Lower Upper
95 100
174 73.8 0.0 140.6
176 71.2 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070434.D
Acq: 22 Sep 2021 18:44

Tgt Ion: 117 Resp: 485723
Ion Ratio Lower Upper
117 100
82 56.0 45.0 67.4
119 30.7 25.2 37.8

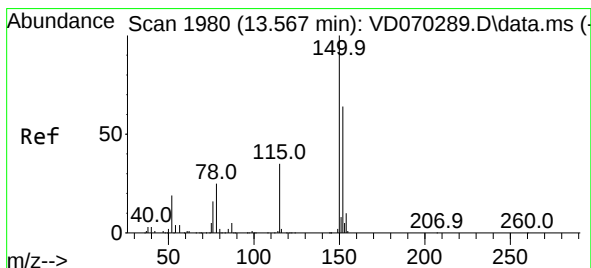
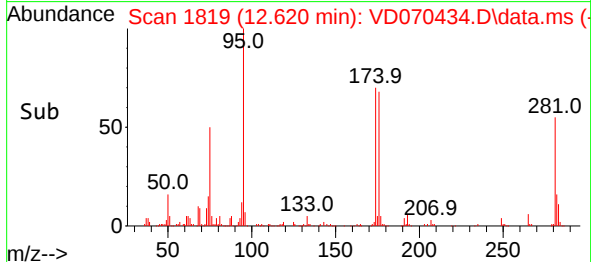
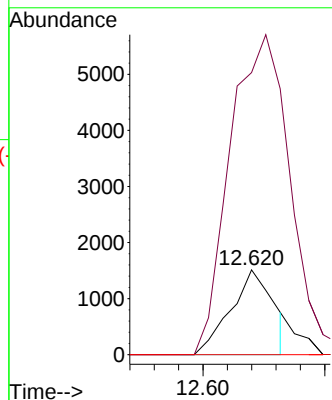
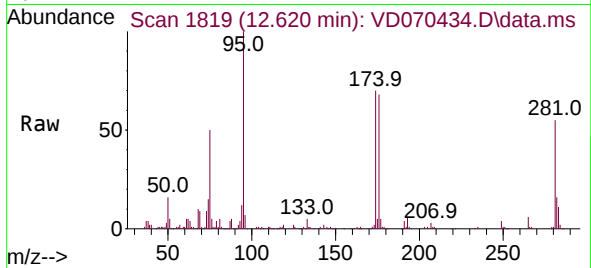




#71
Bromoform
Concen: 1.014 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD070434.D
Acq: 22 Sep 2021 18:44

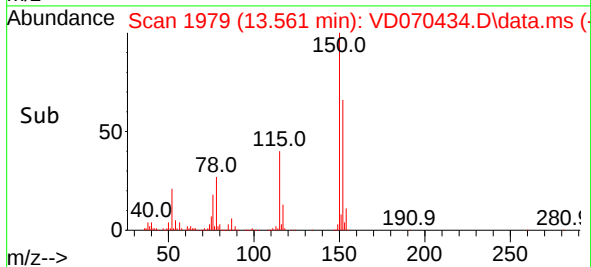
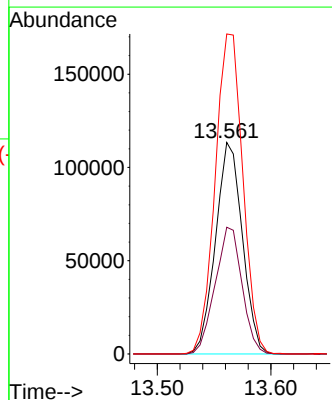
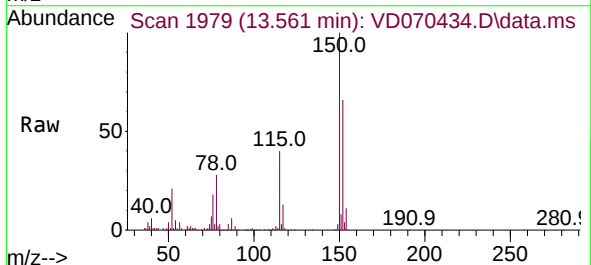
Instrument :
MSVOA_D
ClientSampleId :
SB-4-(5.0-6.0)RE

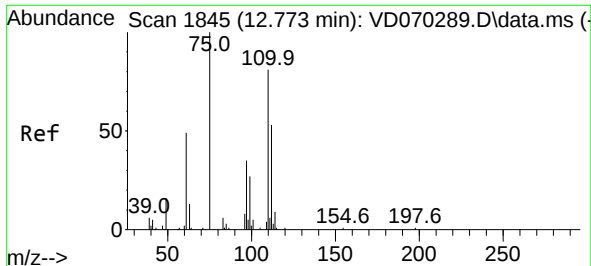
Tgt Ion:173 Resp: 1847
Ion Ratio Lower Upper
173 100
175 450.7 25.1 75.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD070434.D
Acq: 22 Sep 2021 18:44

Tgt Ion:152 Resp: 186260
Ion Ratio Lower Upper
152 100
115 59.9 32.1 96.3
150 156.1 0.0 350.6

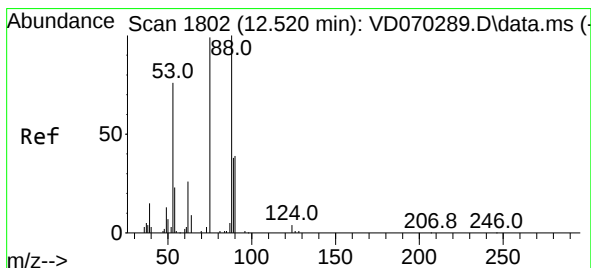
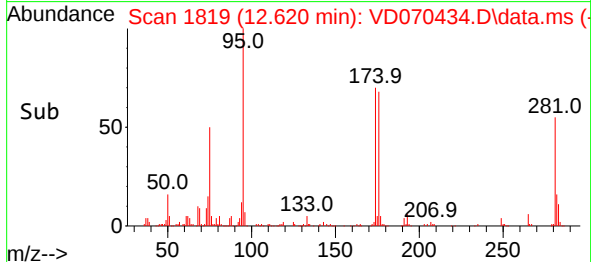
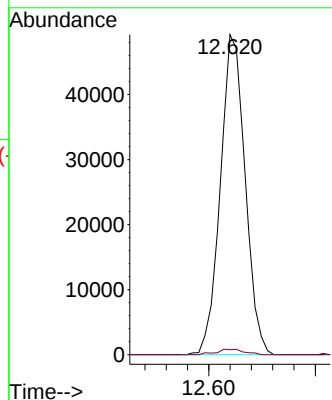
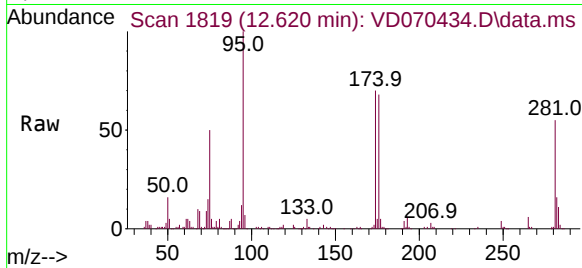




#76
1,2,3-Trichloropropane
Concen: 42.079 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070434.D
Acq: 22 Sep 2021 18:44

Instrument :
MSVOA_D
ClientSampleId :
SB-4-(5.0-6.0)RE

Tgt Ion: 75 Resp: 79278
Ion Ratio Lower Upper
75 100
77 1.9 174.9 524.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 105.432 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070434.D
Acq: 22 Sep 2021 18:44

Tgt Ion: 75 Resp: 79278
Ion Ratio Lower Upper
75 100
53 0.2 64.2 96.2#
89 1.0 35.6 53.4#

