

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080222\
 Data File : VD073930.D
 Acq On : 02 Aug 2022 16:57
 Operator : VA/SY
 Sample : N3982-01
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-3-072922

Quant Time: Aug 03 04:13:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 02 05:13:57 2022
 Response via : Initial Calibration

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

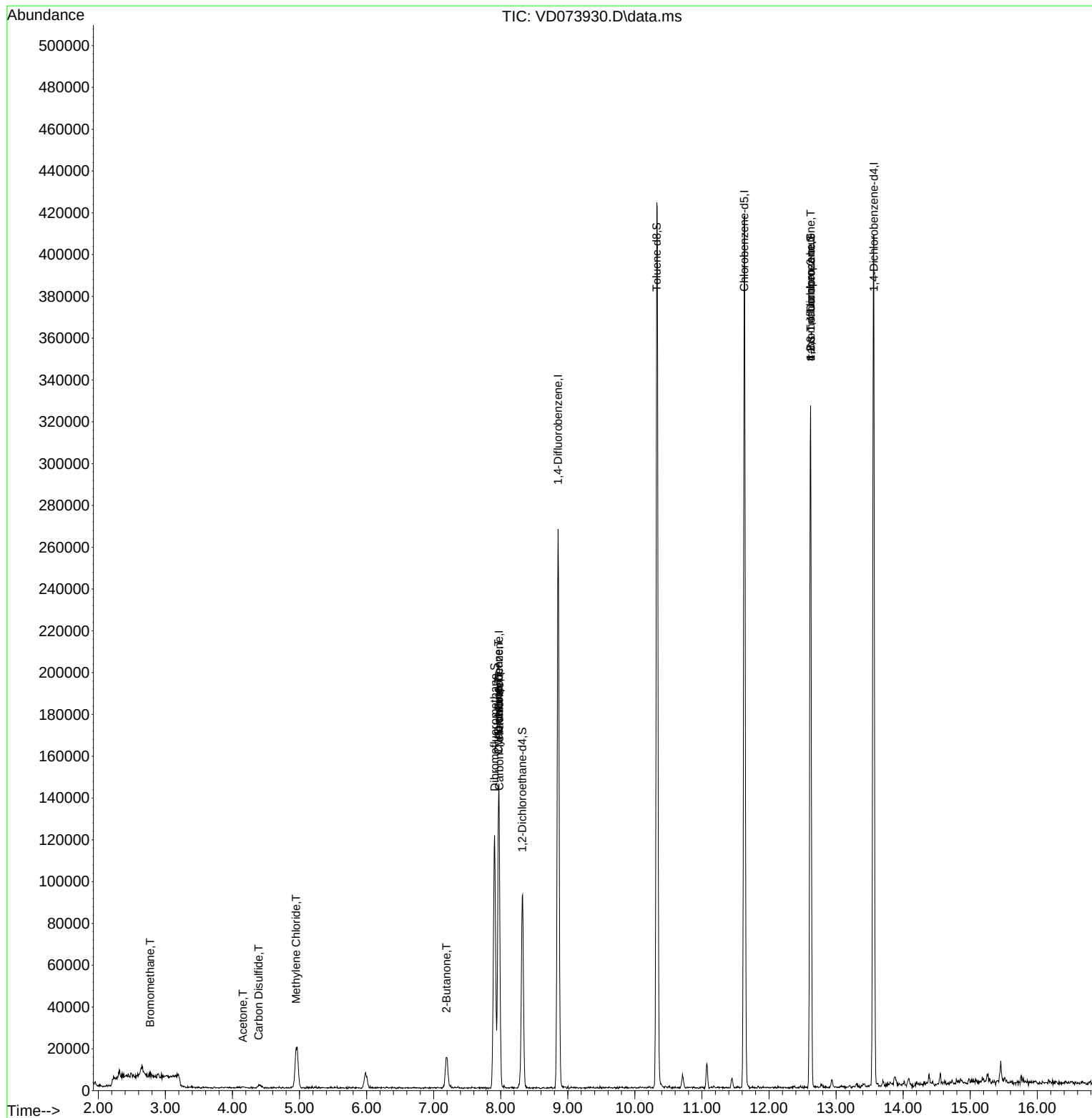
Internal Standards						
1) Pentafluorobenzene	7.973	168	102812	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	228159	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	232796	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	109491	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	71952	88.626	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 177.260%#			
35) Dibromofluoromethane	7.909	113	83038	58.577	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 117.160%			
50) Toluene-d8	10.326	98	294285	61.629	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 123.260%			
62) 4-Bromofluorobenzene	12.620	95	102609	58.433	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 116.860%			
Target Compounds			Qvalue			
5) Bromomethane	2.774	94	1244	1.093	ug/l	90
11) Tert butyl alcohol	5.226	59	121	Below Cal	#	75
16) Acetone	4.156	43	596	12.431	ug/l #	46
17) Carbon Disulfide	4.391	76	3148	2.855	ug/l #	75
18) Methyl Acetate	4.732	43	81	Below Cal	#	48
20) Methylene Chloride	4.950	84	16128	1.800	ug/l #	92
25) 2-Butanone	7.191	43	740	2.949	ug/l #	46
31) Cyclohexane	7.967	56	2957	1.857	ug/l #	58
36) 1,1-Dichloropropene	7.967	75	8487	4.204	ug/l #	51
38) Carbon Tetrachloride	7.979	117	10945	4.839	ug/l #	14
76) 1,2,3-Trichloropropane	12.620	75	55223	67.960	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	55223	144.699	ug/l #	13

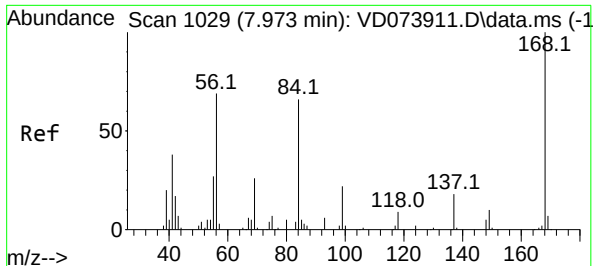
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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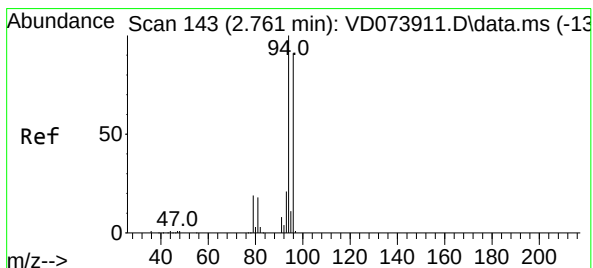
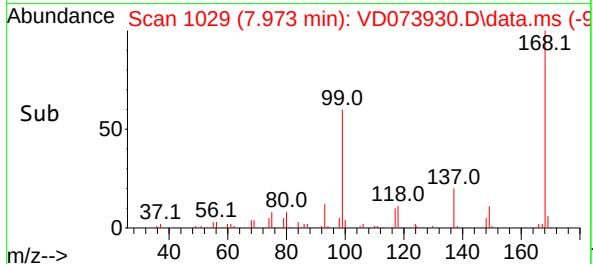
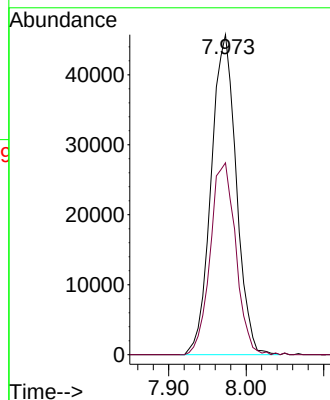
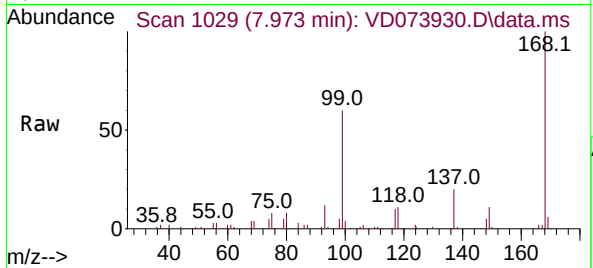




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073930.D
Acq: 02 Aug 2022 16:57

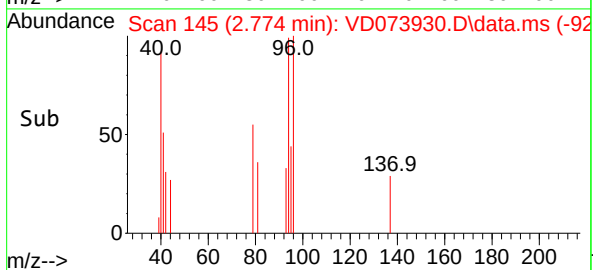
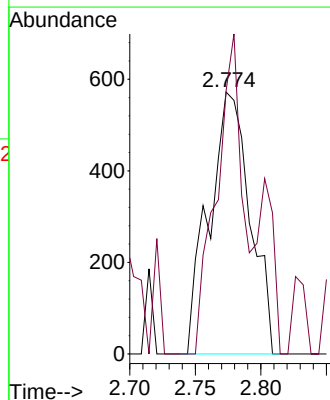
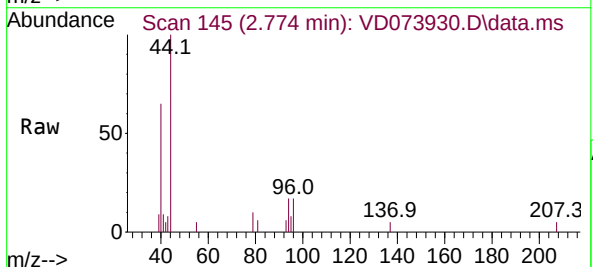
Instrument :
MSVOA_D
ClientSampleId :
OR-3-072922

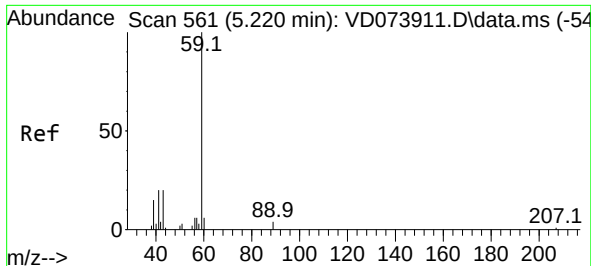
Tgt Ion:168 Resp: 102812
Ion Ratio Lower Upper
168 100
99 59.9 52.2 78.4



#5
Bromomethane
Concen: 1.093 ug/l
RT: 2.774 min Scan# 145
Delta R.T. 0.012 min
Lab File: VD073930.D
Acq: 02 Aug 2022 16:57

Tgt Ion: 94 Resp: 1244
Ion Ratio Lower Upper
94 100
96 100.5 72.7 109.1

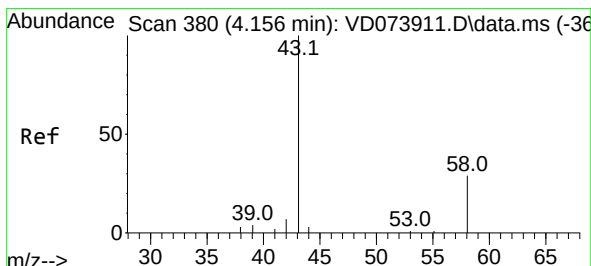
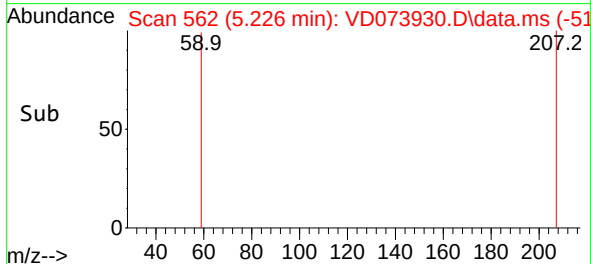
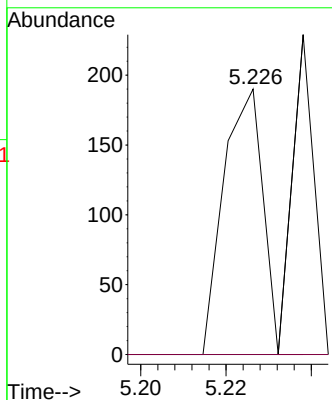
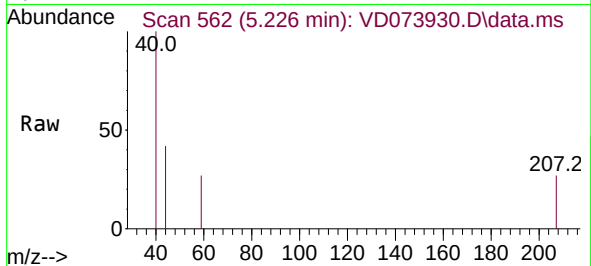




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.226 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD073930.D
Acq: 02 Aug 2022 16:57

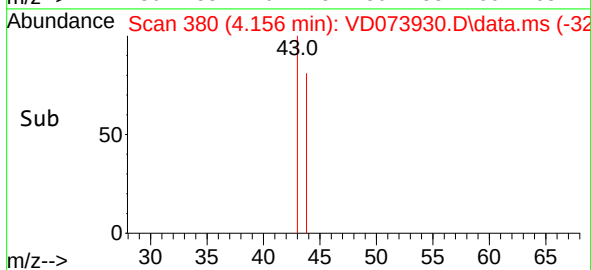
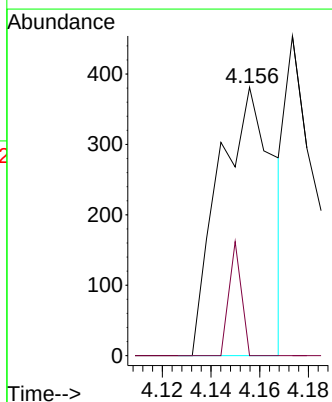
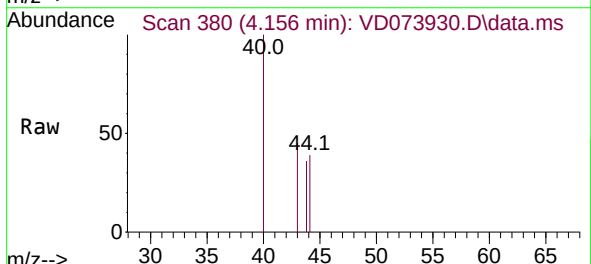
Instrument :
MSVOA_D
ClientSampleId :
OR-3-072922

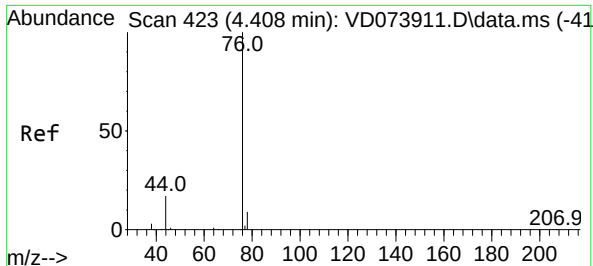
Tgt Ion: 59 Resp: 121
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#



#16
Acetone
Concen: 12.431 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD073930.D
Acq: 02 Aug 2022 16:57

Tgt Ion: 43 Resp: 596
Ion Ratio Lower Upper
43 100
58 0.0 23.0 34.6#

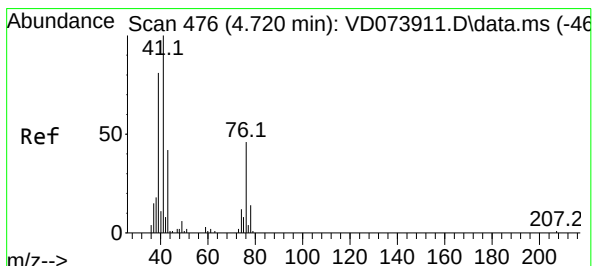
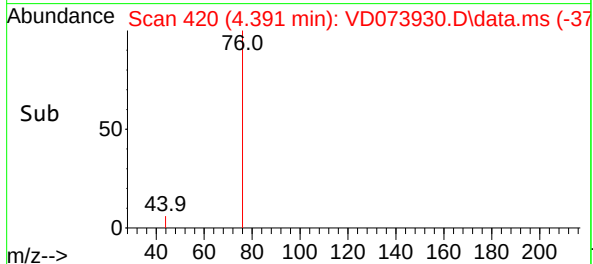
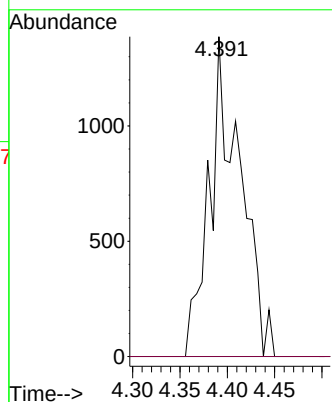
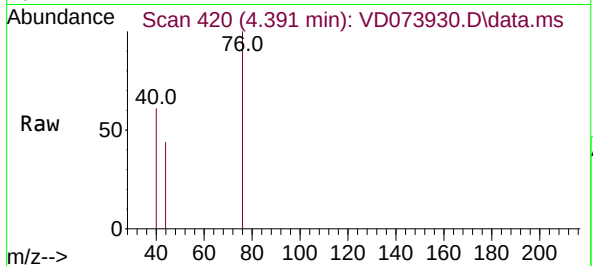




#17
Carbon Disulfide
Concen: 2.855 ug/l
RT: 4.391 min Scan# 41
Delta R.T. -0.017 min
Lab File: VD073930.D
Acq: 02 Aug 2022 16:57

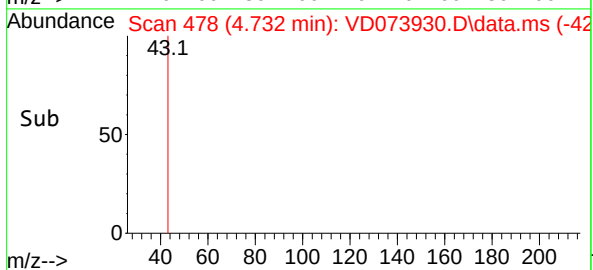
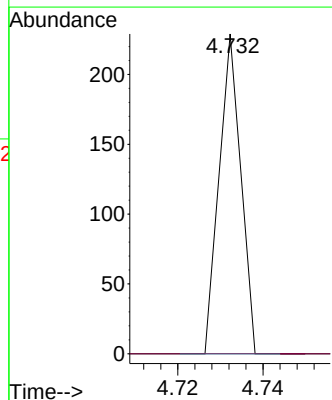
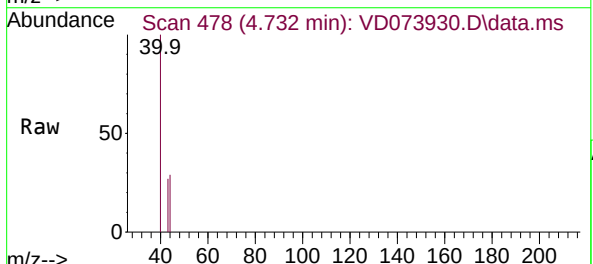
Instrument :
MSVOA_D
ClientSampleId :
OR-3-072922

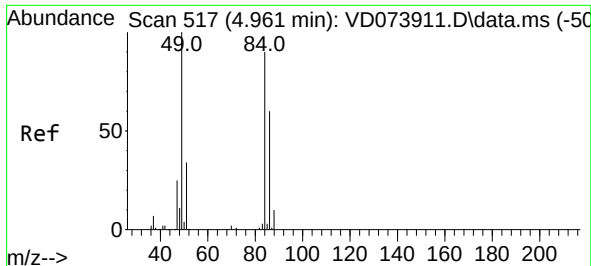
Tgt Ion: 76 Resp: 3148
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.732 min Scan# 478
Delta R.T. 0.012 min
Lab File: VD073930.D
Acq: 02 Aug 2022 16:57

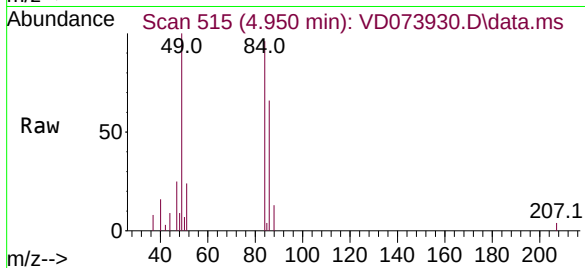
Tgt Ion: 43 Resp: 81
Ion Ratio Lower Upper
43 100
74 0.0 21.2 31.8#



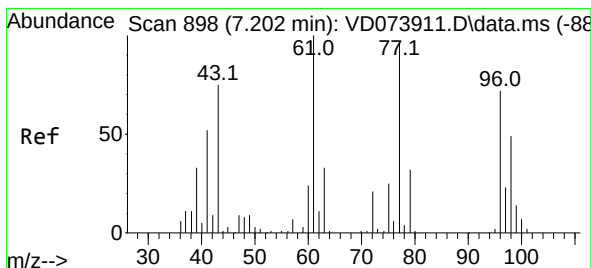
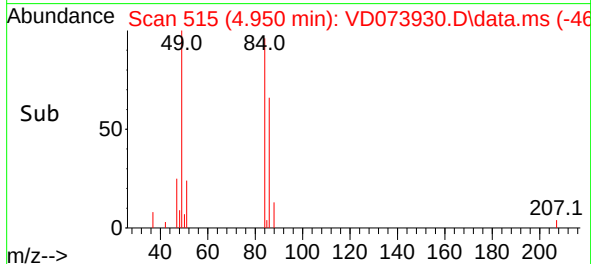
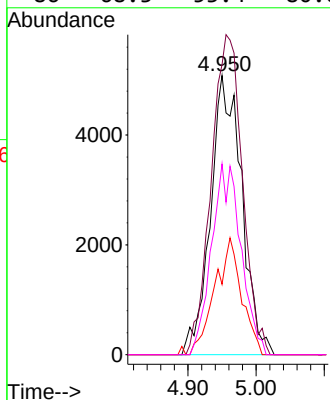


#20
Methylene Chloride
Concen: 1.800 ug/l
RT: 4.950 min Scan# 517
Delta R.T. -0.011 min
Lab File: VD073930.D
Acq: 02 Aug 2022 16:57

Instrument :
MSVOA_D
ClientSampleId :
OR-3-072922

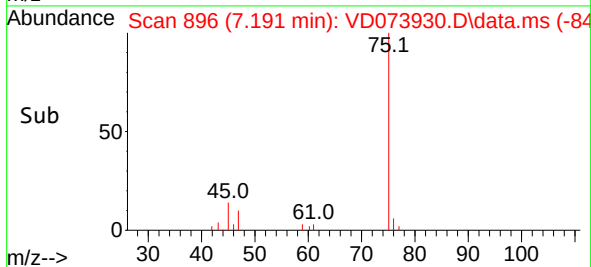
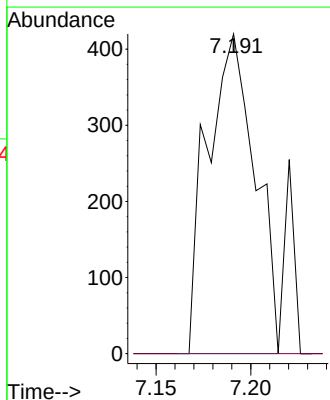
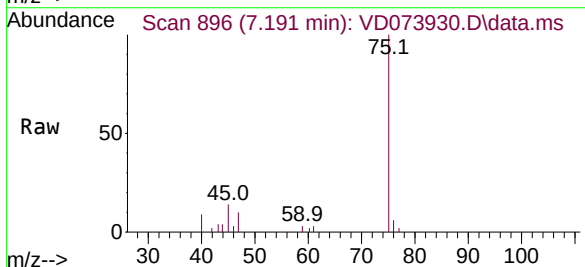


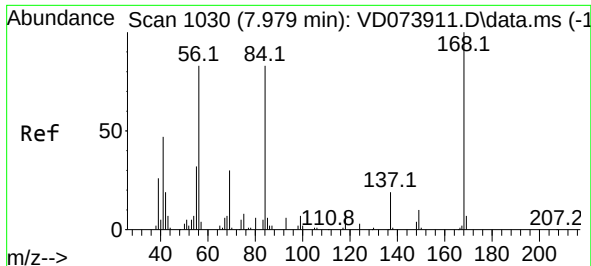
Tgt Ion:	84	Resp:	16128
Ion	Ratio	Lower	Upper
84	100		
49	103.9	89.1	133.7
51	25.2	29.8	44.8#
86	68.3	53.4	80.0



#25
2-Butanone
Concen: 2.949 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.011 min
Lab File: VD073930.D
Acq: 02 Aug 2022 16:57

Tgt Ion:	43	Resp:	740
Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.7	34.1#

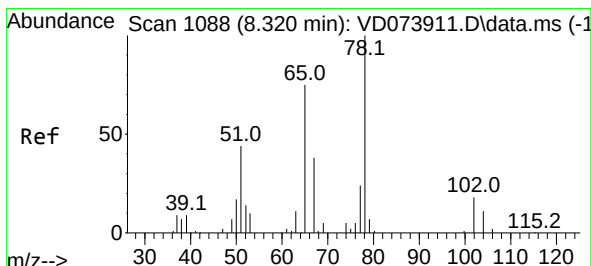
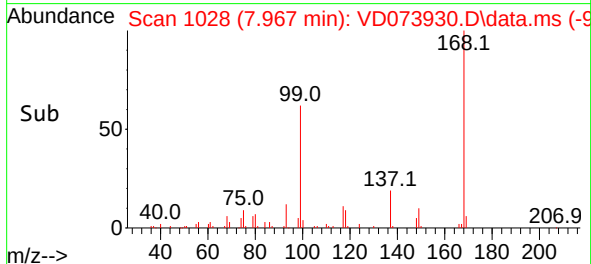
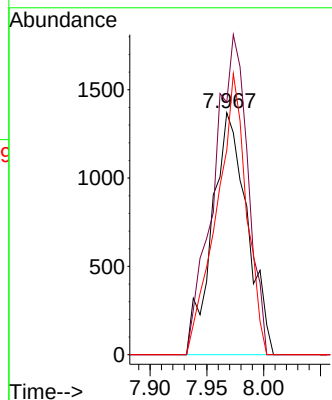
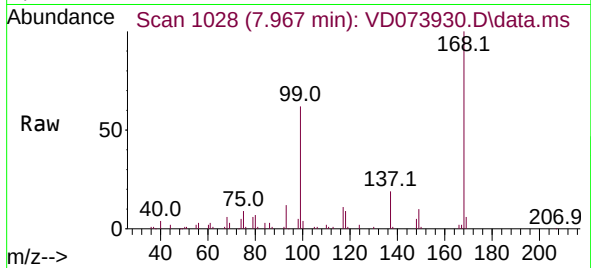




#31
Cyclohexane
Concen: 1.857 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.011 min
Lab File: VD073930.D
Acq: 02 Aug 2022 16:57

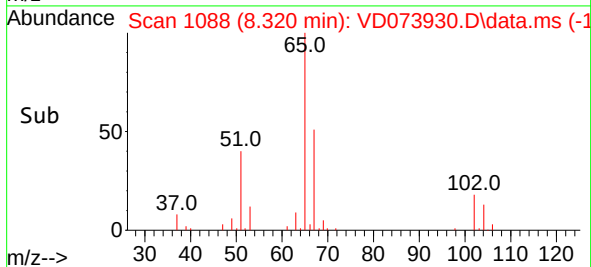
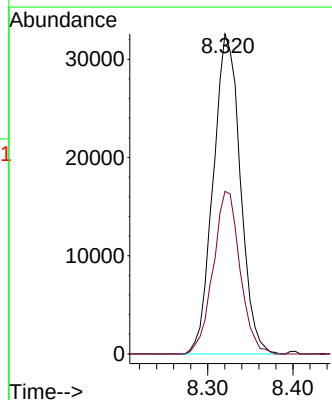
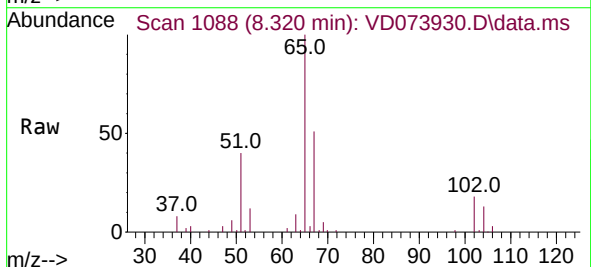
Instrument :
MSVOA_D
ClientSampleId :
OR-3-072922

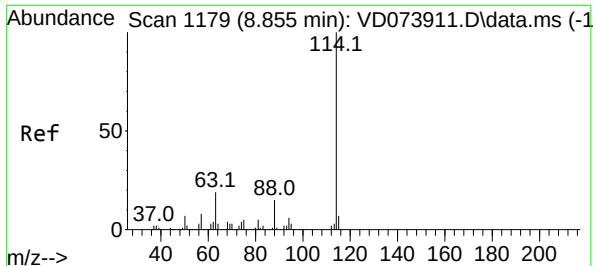
Tgt Ion: 56 Resp: 2957
Ion Ratio Lower Upper
56 100
69 104.3 29.2 43.8#
84 84.5 80.0 120.0



#33
1,2-Dichloroethane-d4
Concen: 88.626 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VD073930.D
Acq: 02 Aug 2022 16:57

Tgt Ion: 65 Resp: 71952
Ion Ratio Lower Upper
65 100
67 50.4 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073930.D

Acq: 02 Aug 2022 16:57

Instrument :

MSVOA_D

ClientSampleId :

OR-3-072922

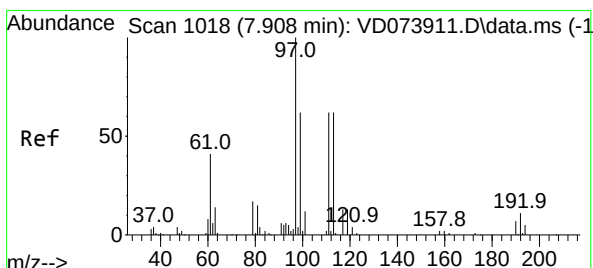
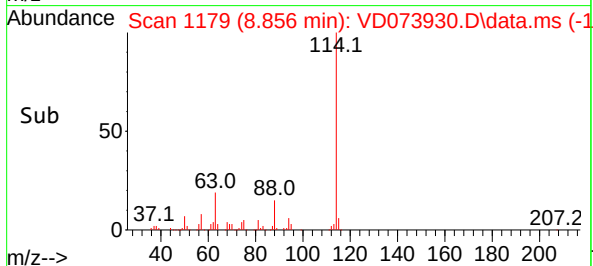
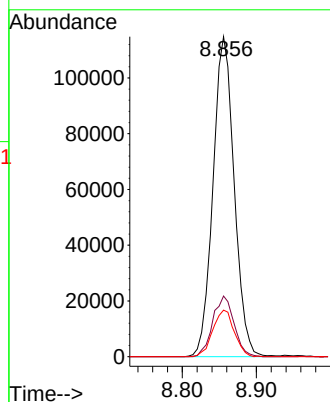
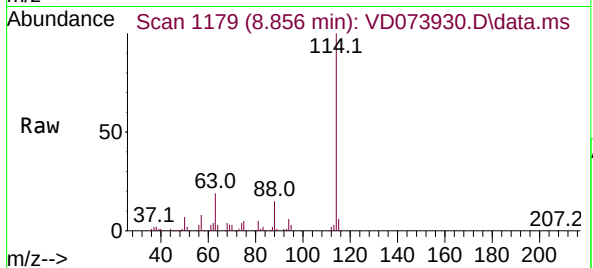
Tgt Ion:114 Resp: 228159

Ion Ratio Lower Upper

114 100

63 19.0 0.0 37.6

88 14.6 0.0 30.2



#35

Dibromofluoromethane

Concen: 58.577 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD073930.D

Acq: 02 Aug 2022 16:57

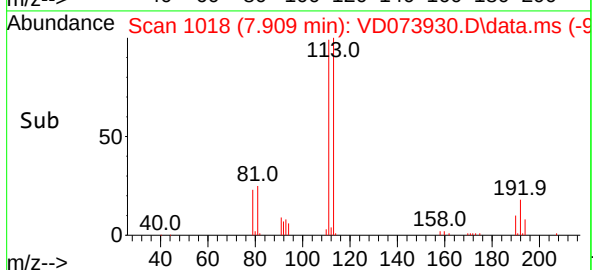
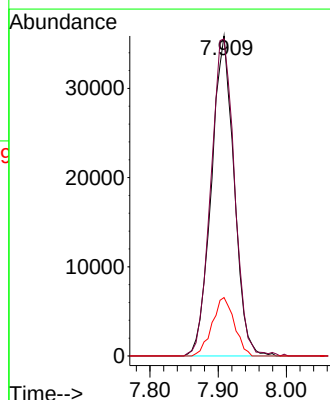
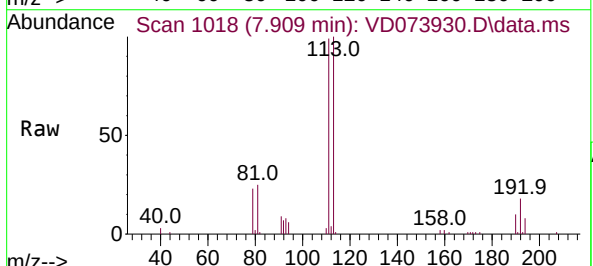
Tgt Ion:113 Resp: 83038

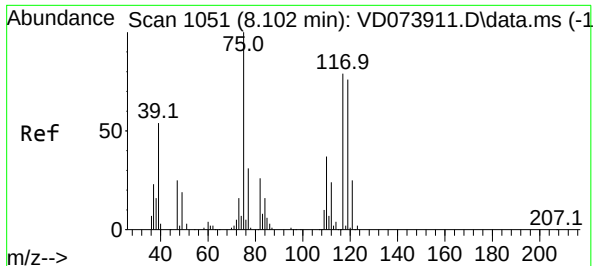
Ion Ratio Lower Upper

113 100

111 103.7 83.7 125.5

192 17.9 15.0 22.6





#36

1,1-Dichloropropene

Concen: 4.204 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.135 min

Lab File: VD073930.D

Acq: 02 Aug 2022 16:57

Instrument :

MSVOA_D

ClientSampleId :

OR-3-072922

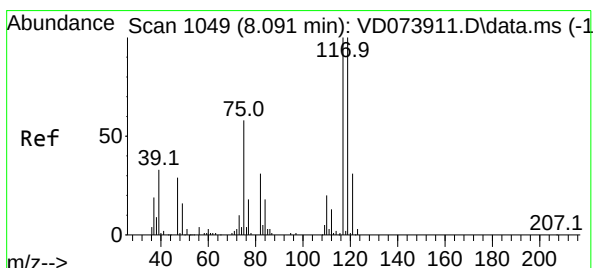
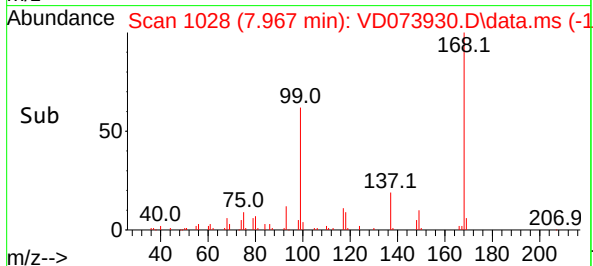
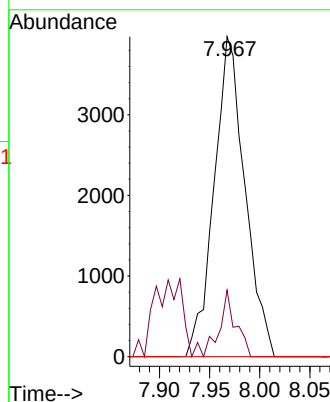
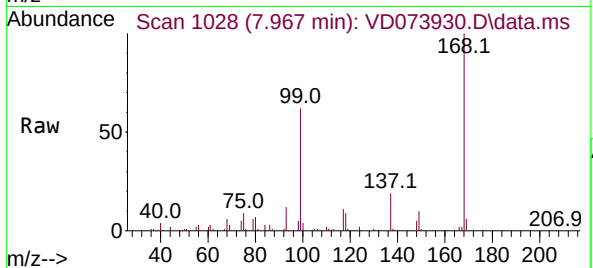
Tgt Ion: 75 Resp: 8487

Ion Ratio Lower Upper

75 100

110 10.8 18.1 54.1#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 4.839 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.111 min

Lab File: VD073930.D

Acq: 02 Aug 2022 16:57

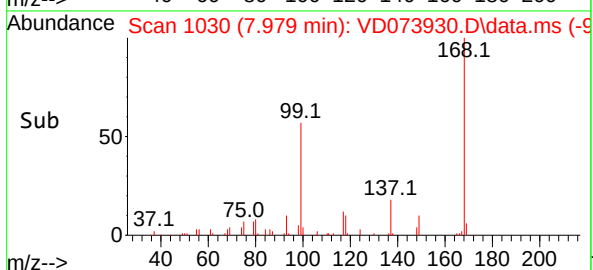
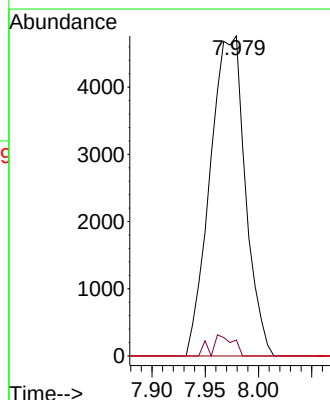
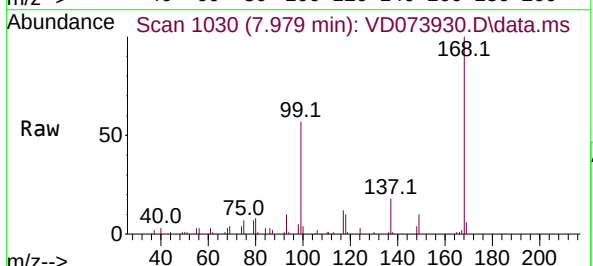
Tgt Ion: 117 Resp: 10945

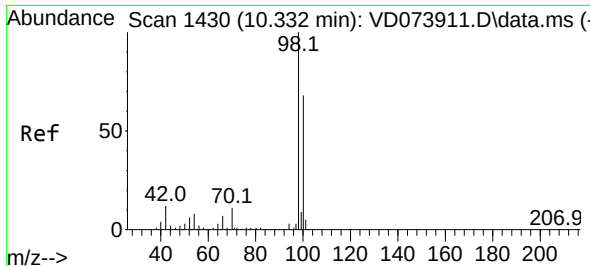
Ion Ratio Lower Upper

117 100

119 5.0 79.6 119.4#

121 0.0 24.4 36.6#

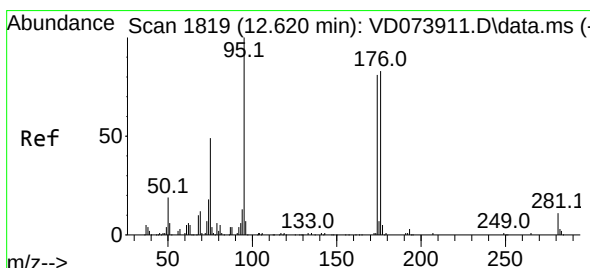
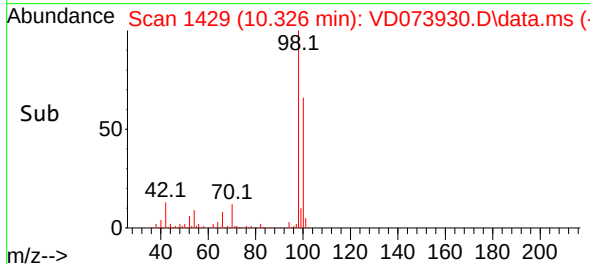
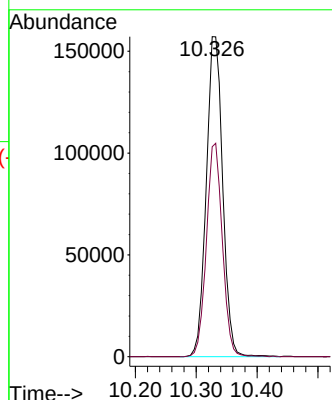
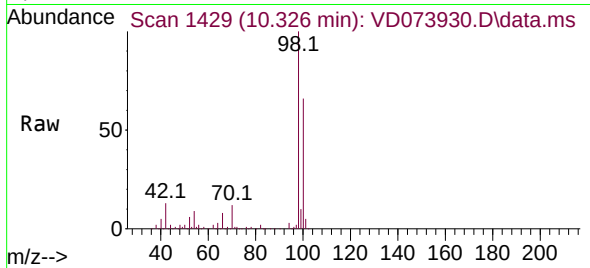




#50
Toluene-d8
Concen: 61.629 ug/l
RT: 10.326 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD073930.D
Acq: 02 Aug 2022 16:57

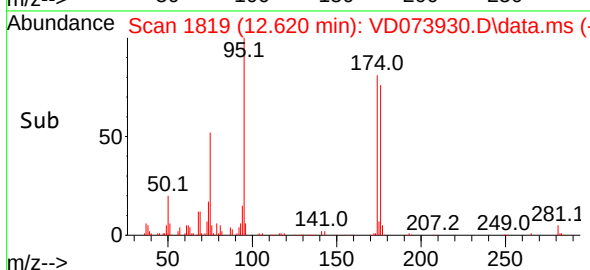
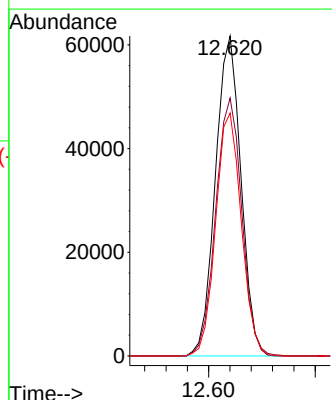
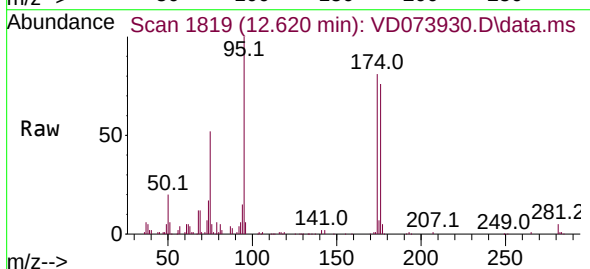
Instrument :
MSVOA_D
ClientSampleId :
OR-3-072922

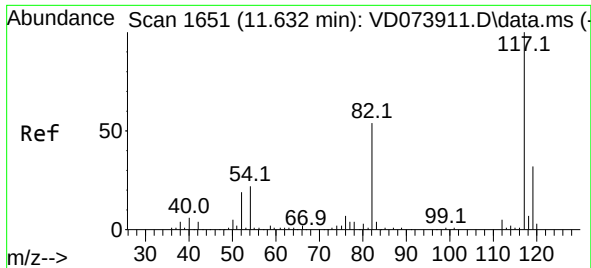
Tgt Ion: 98 Resp: 294285
Ion Ratio Lower Upper
98 100
100 64.8 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 58.433 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073930.D
Acq: 02 Aug 2022 16:57

Tgt Ion: 95 Resp: 102609
Ion Ratio Lower Upper
95 100
174 82.5 0.0 164.2
176 76.1 0.0 161.4

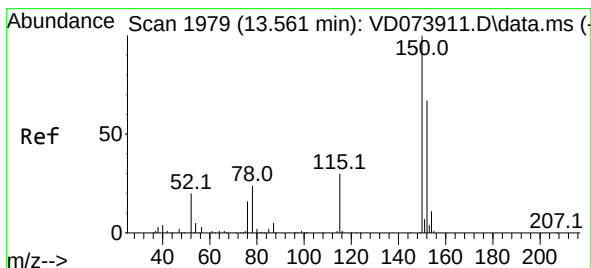
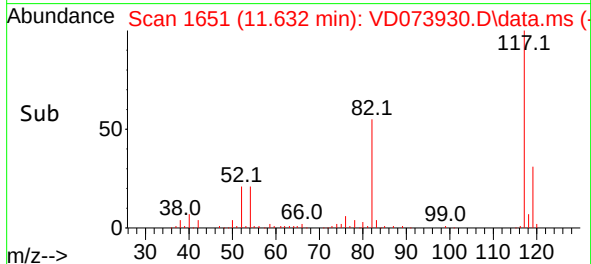
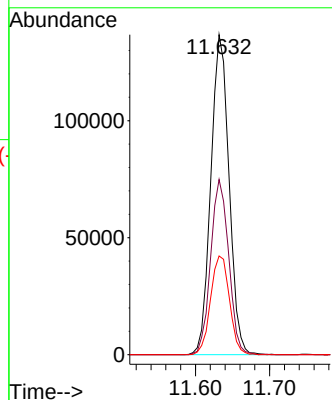
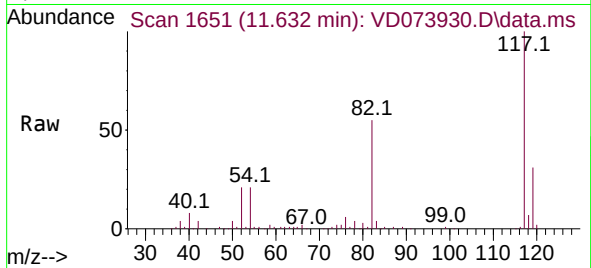




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 117
Delta R.T. 0.000 min
Lab File: VD073930.D
Acq: 02 Aug 2022 16:57

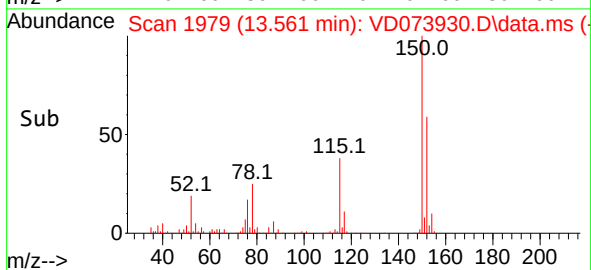
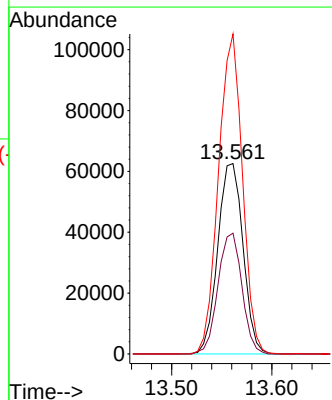
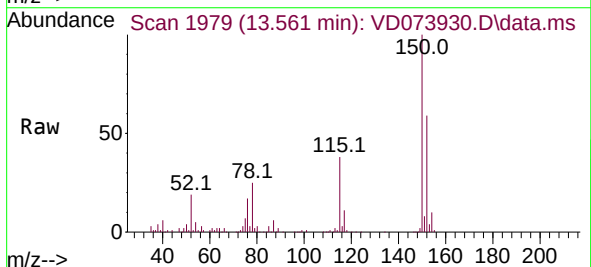
Instrument :
MSVOA_D
ClientSampleId :
OR-3-072922

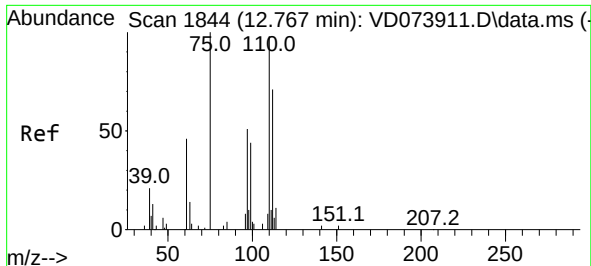
Tgt Ion:117 Resp: 232796
Ion Ratio Lower Upper
117 100
82 54.7 43.3 64.9
119 30.9 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073930.D
Acq: 02 Aug 2022 16:57

Tgt Ion:152 Resp: 109491
Ion Ratio Lower Upper
152 100
115 60.1 29.1 87.3
150 159.0 0.0 338.2

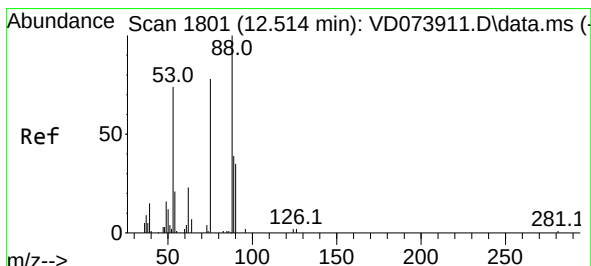
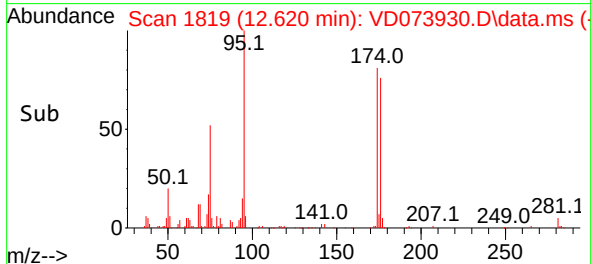
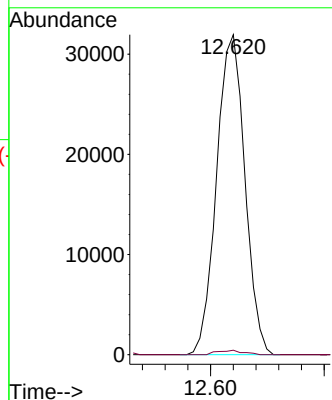
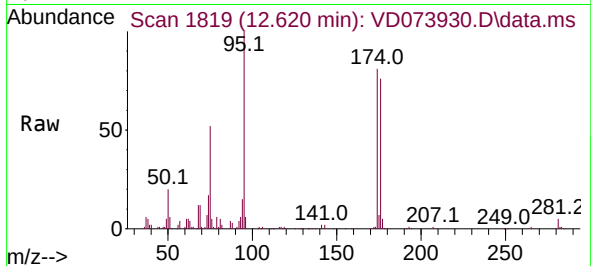




#76
1,2,3-Trichloropropane
Concen: 67.960 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073930.D
Acq: 02 Aug 2022 16:57

Instrument :
MSVOA_D
ClientSampleId :
OR-3-072922

Tgt Ion: 75 Resp: 55223
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 144.699 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073930.D
Acq: 02 Aug 2022 16:57

Tgt Ion: 75 Resp: 55223
Ion Ratio Lower Upper
75 100
53 0.0 71.6 107.4#
89 0.1 39.8 59.6#

