

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052522\
 Data File : VD073364.D
 Acq On : 25 May 2022 16:53
 Operator : VA/SY
 Sample : N3027-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-03-052422

Quant Time: May 26 02:25:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

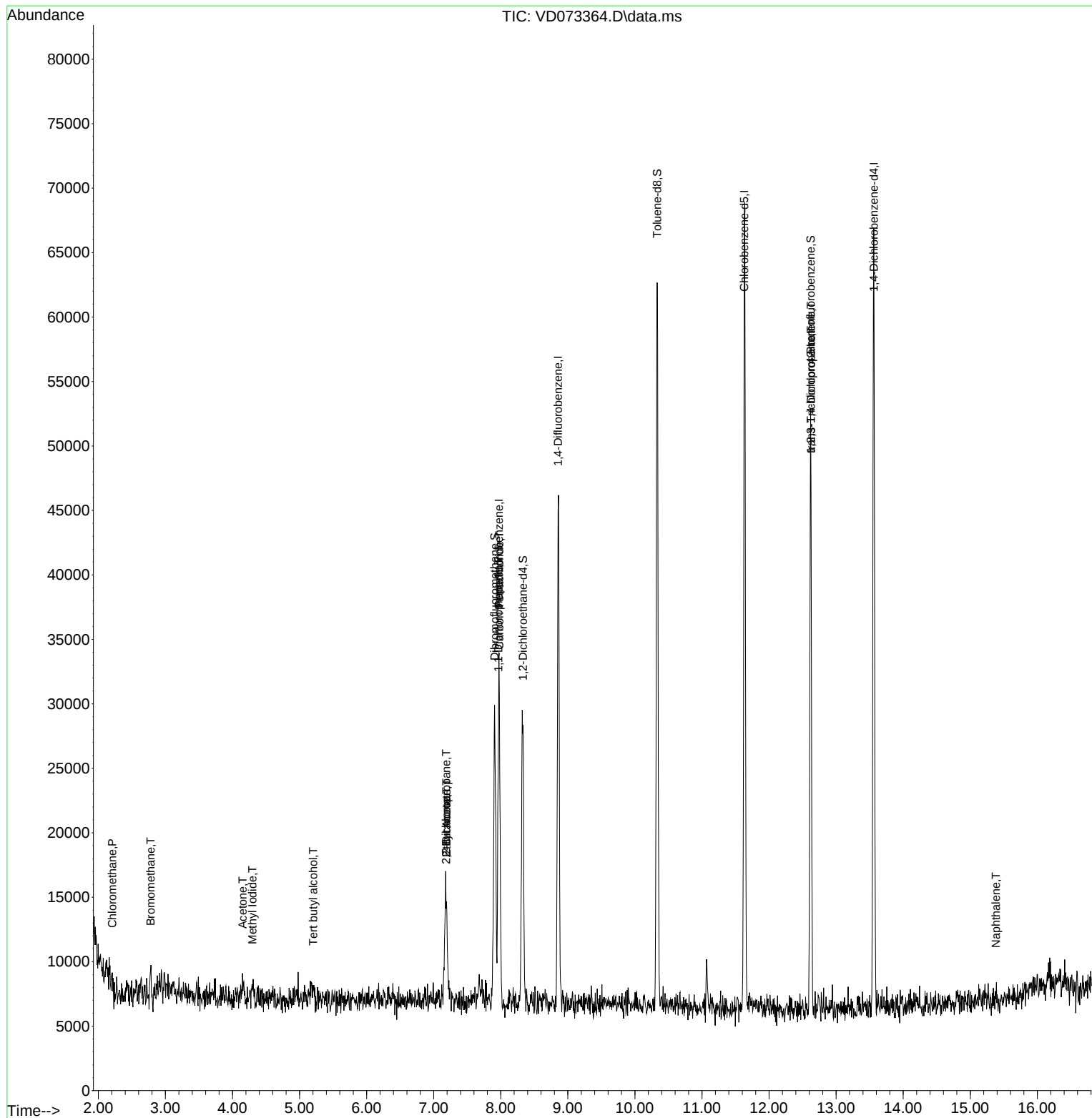
Internal Standards						
1) Pentafluorobenzene	7.973	168	19068	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	30894	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	37228	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	16256	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	17952	85.190	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 170.380%#			
35) Dibromofluoromethane	7.908	113	16046	78.711	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 157.420%#			
50) Toluene-d8	10.332	98	40260	53.575	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.140%			
62) 4-Bromofluorobenzene	12.620	95	15593	59.126	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 118.260%			
Target Compounds						Qvalue
3) Chloromethane	2.208	50	807	3.746	ug/l	89
5) Bromomethane	2.779	94	1106	5.136	ug/l #	56
10) Methyl Iodide	4.297	142	1092	4.870	ug/l #	63
11) Tert butyl alcohol	5.202	59	911	27.864	ug/l #	74
16) Acetone	4.150	43	763	20.904	ug/l #	80
20) Methylene Chloride	4.979	84	438	Below Cal	#	20
25) 2-Butanone	7.191	43	453	8.483	ug/l #	52
26) 2,2-Dichloropropane	7.185	77	667	1.879	ug/l #	54
36) 1,1-Dichloropropene	7.967	75	1857	6.057	ug/l #	43
37) Ethyl Acetate	7.191	43	453	3.741	ug/l #	76
38) Carbon Tetrachloride	7.979	117	1985	6.387	ug/l #	13
76) 1,2,3-Trichloropropane	12.626	75	8833	55.379	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	8833	132.949	ug/l #	7
95) Naphthalene	15.384	128	164	3.828	ug/l #	70

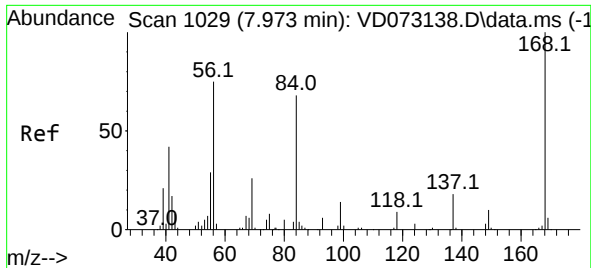
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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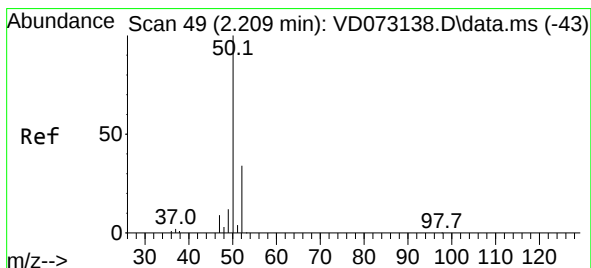
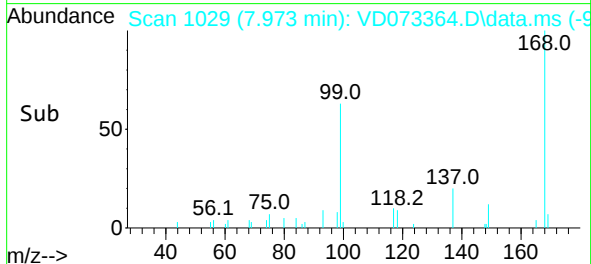
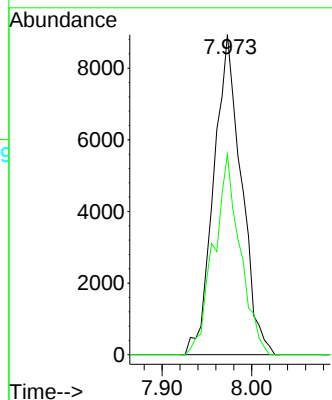
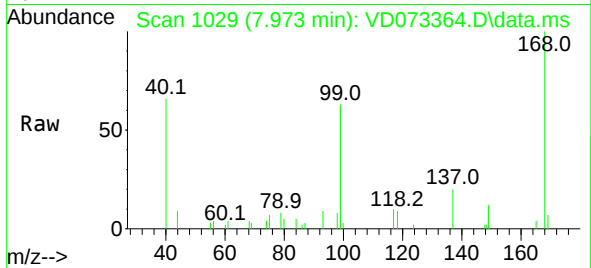




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.000 min
Lab File: VD073364.D
Acq: 25 May 2022 16:53

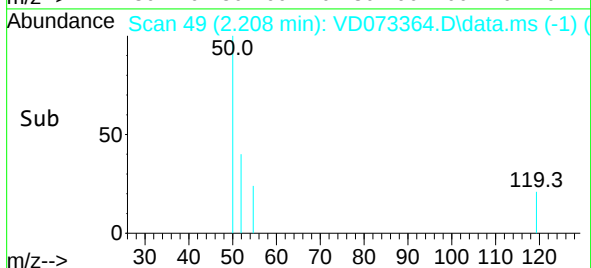
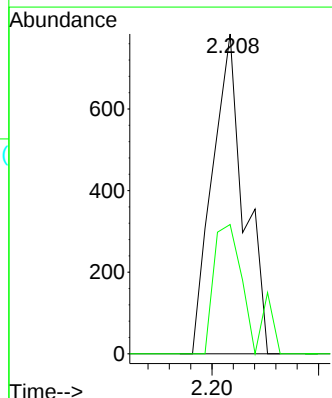
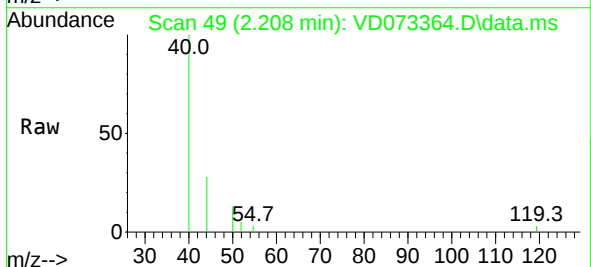
Instrument :
MSVOA_D
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OR-03-052422

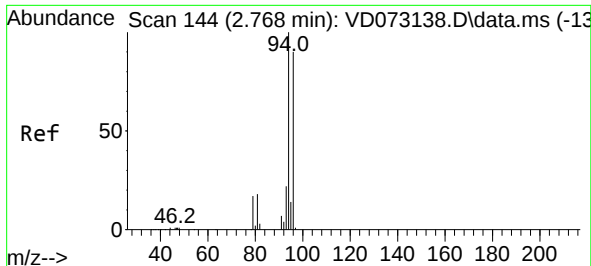
Tgt Ion:168 Resp: 19068
Ion Ratio Lower Upper
168 100
99 62.7 49.8 74.6



#3
Chloromethane
Concen: 3.746 ug/l
RT: 2.208 min Scan# 49
Delta R.T. -0.001 min
Lab File: VD073364.D
Acq: 25 May 2022 16:53

Tgt Ion: 50 Resp: 807
Ion Ratio Lower Upper
50 100
52 40.4 27.4 41.0

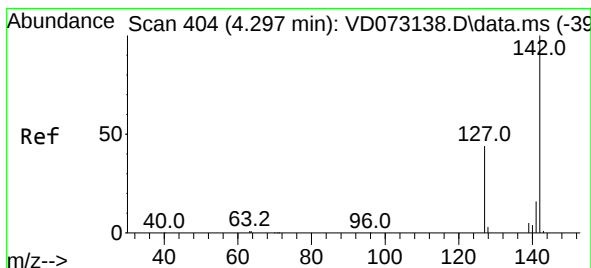
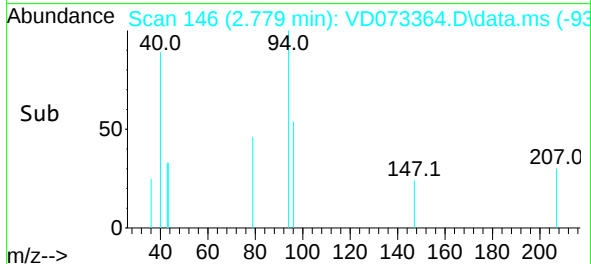
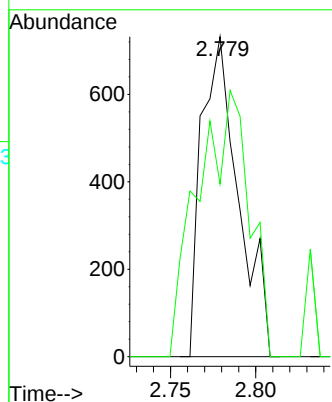
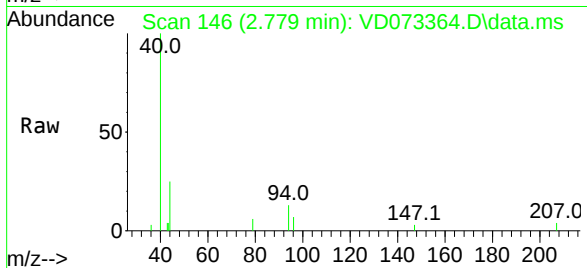




#5
Bromomethane
Concen: 5.136 ug/l
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD073364.D
Acq: 25 May 2022 16:53

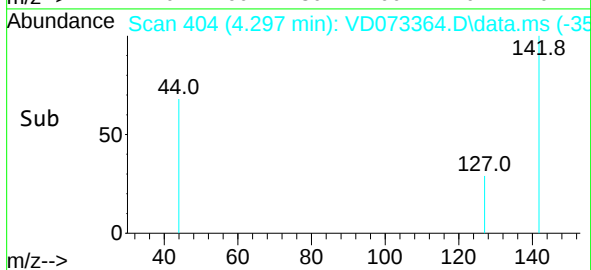
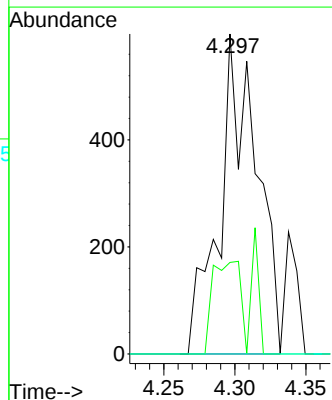
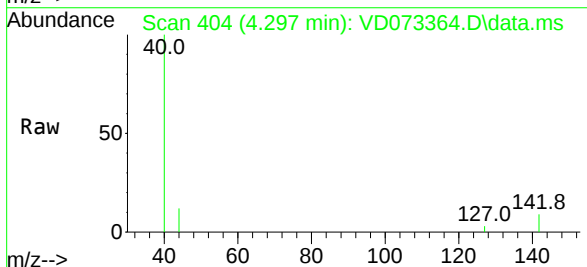
Instrument :
MSVOA_D
ClientSampleId :
OR-03-052422

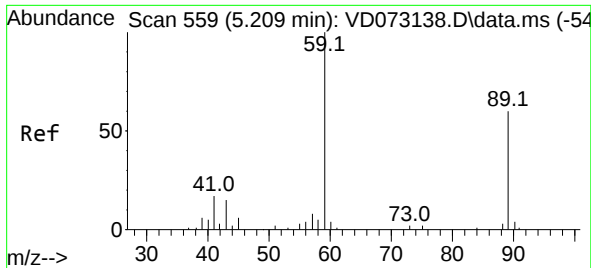
Tgt Ion: 94 Resp: 1106
Ion Ratio Lower Upper
94 100
96 54.0 77.6 116.4#



#10
Methyl Iodide
Concen: 4.870 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD073364.D
Acq: 25 May 2022 16:53

Tgt Ion: 142 Resp: 1092
Ion Ratio Lower Upper
142 100
127 21.5 37.3 55.9#
141 0.0 11.7 17.5#

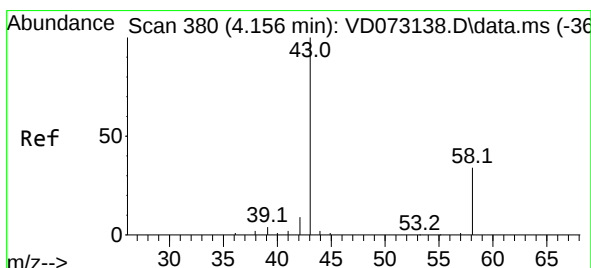
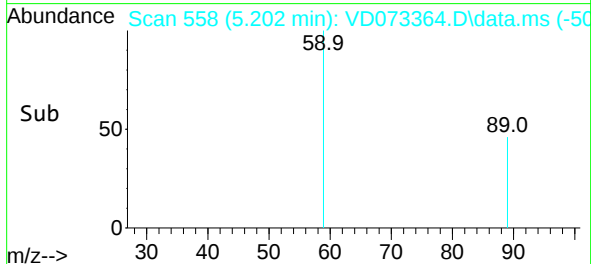
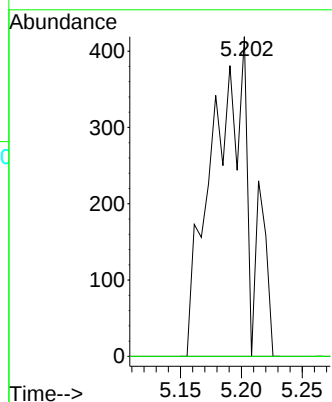
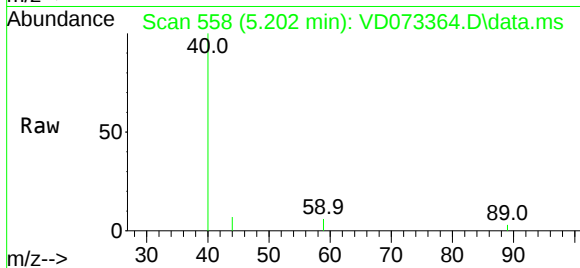




#11
Tert butyl alcohol
Concen: 27.864 ug/l
RT: 5.202 min Scan# 511
Delta R.T. -0.007 min
Lab File: VD073364.D
Acq: 25 May 2022 16:53

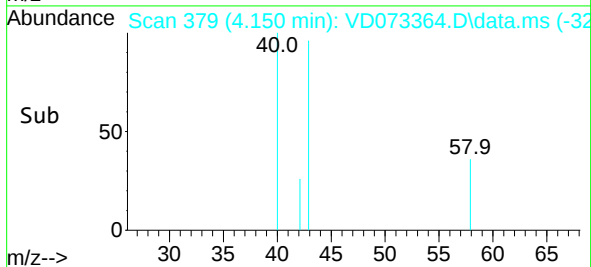
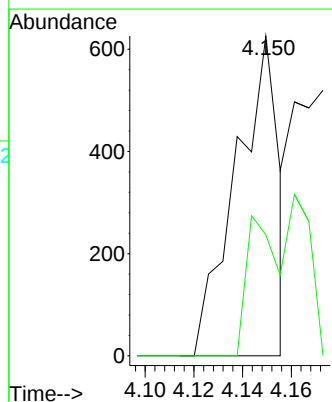
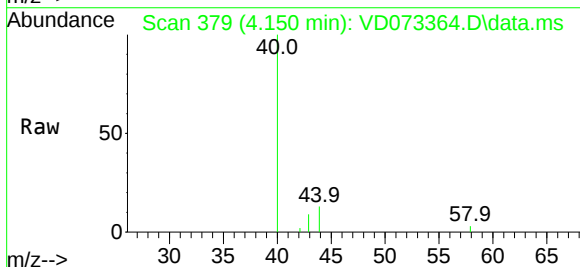
Instrument :
MSVOA_D
ClientSampleId :
OR-03-052422

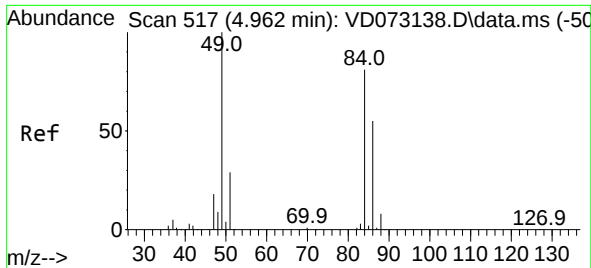
Tgt Ion: 59 Resp: 911
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 20.904 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD073364.D
Acq: 25 May 2022 16:53

Tgt Ion: 43 Resp: 763
Ion Ratio Lower Upper
43 100
58 37.9 22.1 33.1#

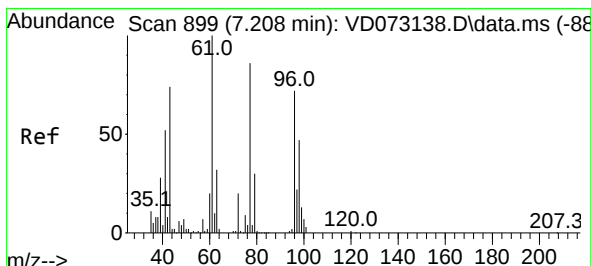
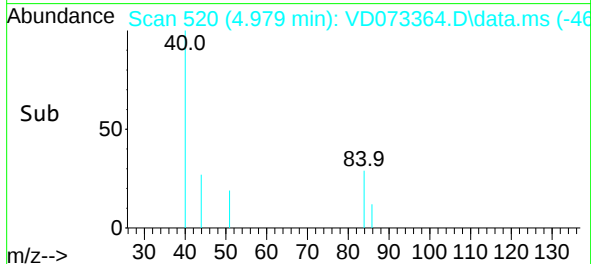
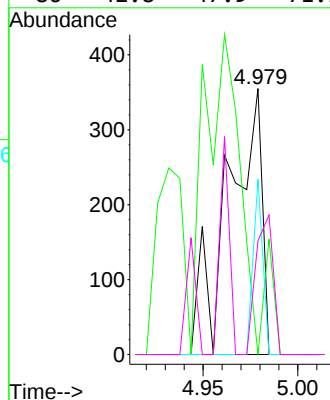
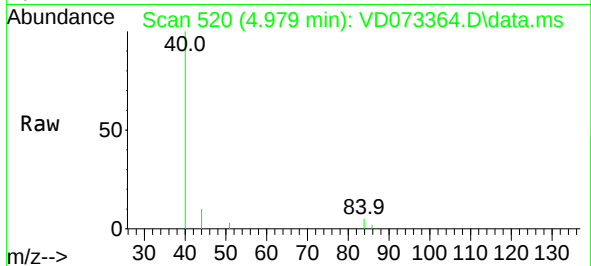




#20
Methylene Chloride
Concen: Below Cal
RT: 4.979 min Scan# 517
Delta R.T. 0.017 min
Lab File: VD073364.D
Acq: 25 May 2022 16:53

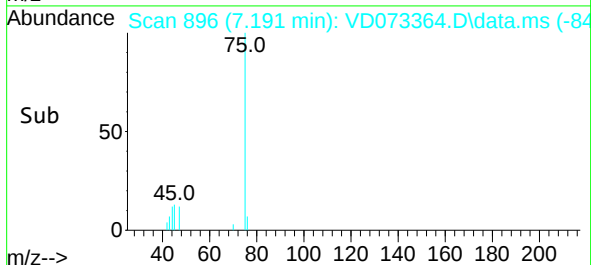
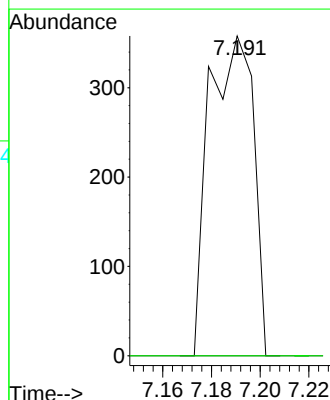
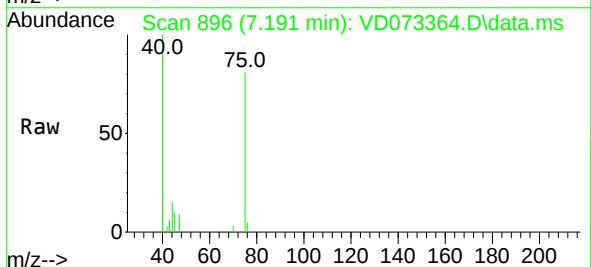
Instrument :
MSVOA_D
ClientSampleId :
OR-03-052422

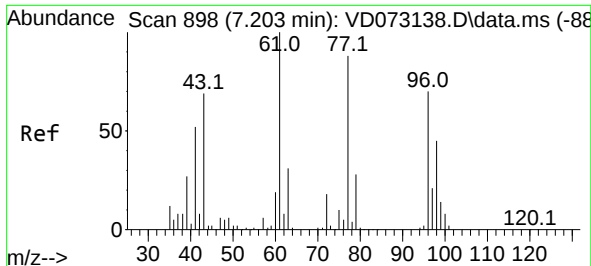
Tgt Ion: 84 Resp: 438
Ion Ratio Lower Upper
84 100
49 0.0 112.8 169.2#
51 65.9 32.6 48.8#
86 42.8 47.9 71.9#



#25
2-Butanone
Concen: 8.483 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.017 min
Lab File: VD073364.D
Acq: 25 May 2022 16:53

Tgt Ion: 43 Resp: 453
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#

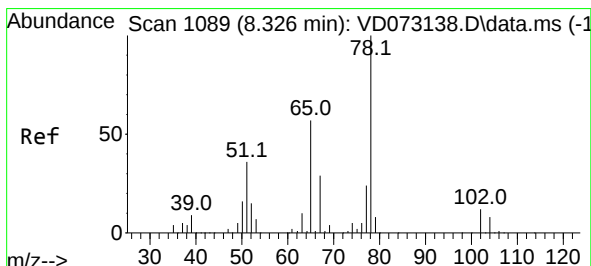
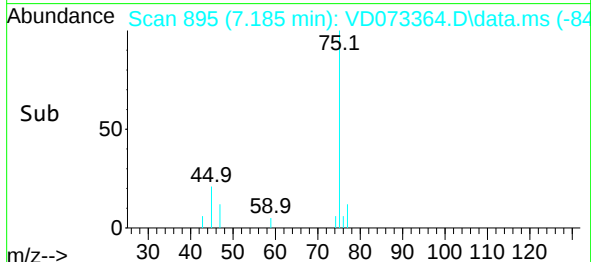
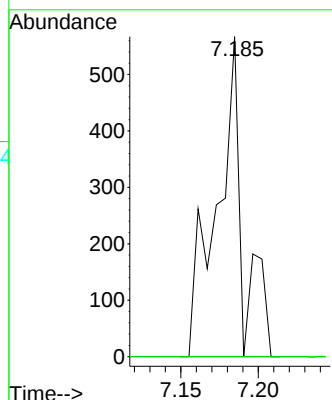
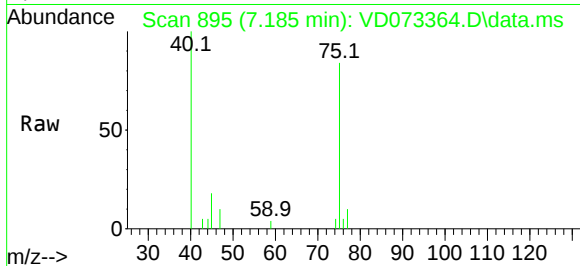




#26
2,2-Dichloropropane
Concen: 1.879 ug/l
RT: 7.185 min Scan# 898
Delta R.T. -0.018 min
Lab File: VD073364.D
Acq: 25 May 2022 16:53

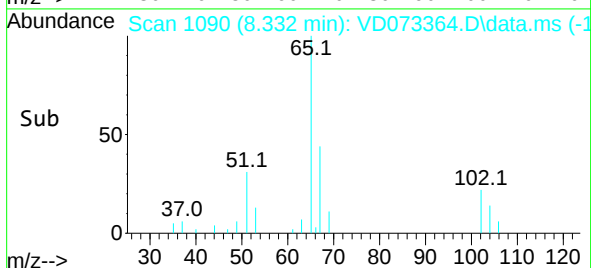
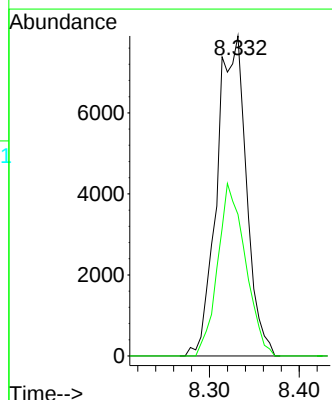
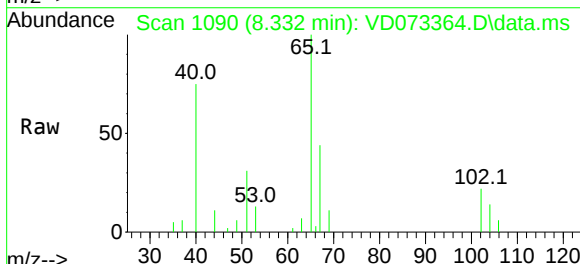
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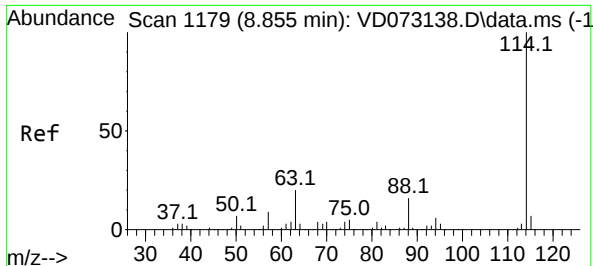
Tgt Ion: 77 Resp: 667
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.4#



#33
1,2-Dichloroethane-d4
Concen: 85.190 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD073364.D
Acq: 25 May 2022 16:53

Tgt Ion: 65 Resp: 17952
Ion Ratio Lower Upper
65 100
67 50.8 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073364.D

Acq: 25 May 2022 16:53

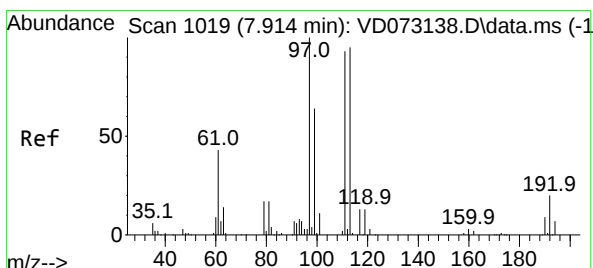
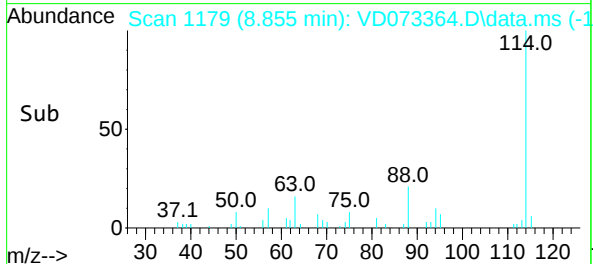
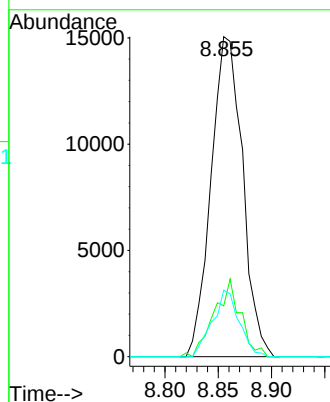
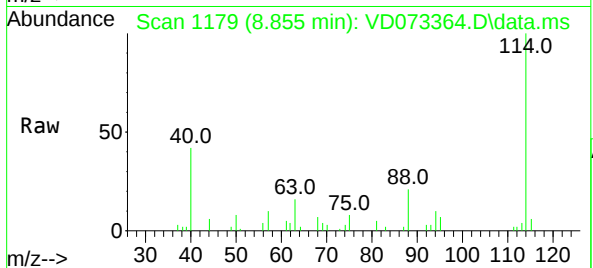
Instrument :

MSVOA_D

ClientSampleId :

OR-03-052422

Tgt Ion:114	Resp:	30894
Ion Ratio	Lower	Upper
114	100	
63	15.9	0.0 46.6
88	20.8	0.0 33.2



#35

Dibromofluoromethane

Concen: 78.711 ug/l

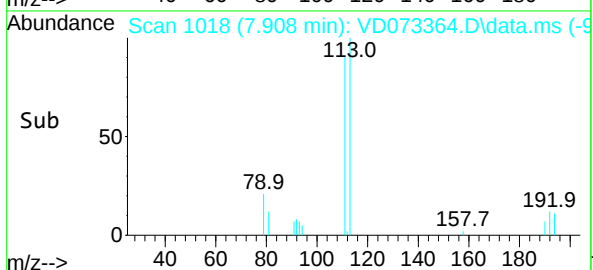
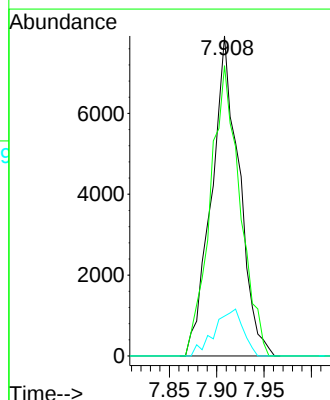
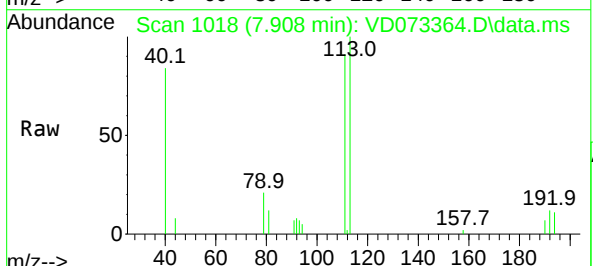
RT: 7.908 min Scan# 1018

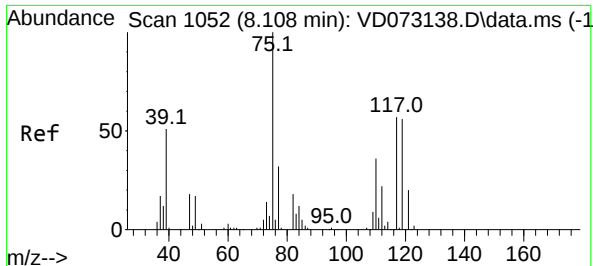
Delta R.T. -0.006 min

Lab File: VD073364.D

Acq: 25 May 2022 16:53

Tgt Ion:113	Resp:	16046
Ion Ratio	Lower	Upper
113	100	
111	97.8	83.8 125.6
192	15.2	14.6 21.8





#36

1,1-Dichloropropene

Concen: 6.057 ug/l

RT: 7.967 min Scan# 1

Delta R.T. -0.141 min

Lab File: VD073364.D

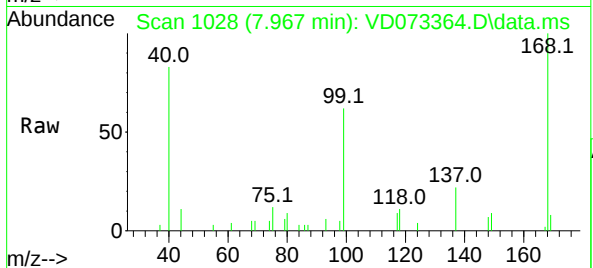
Acq: 25 May 2022 16:53

Instrument :

MSVOA_D

ClientSampleId :

OR-03-052422



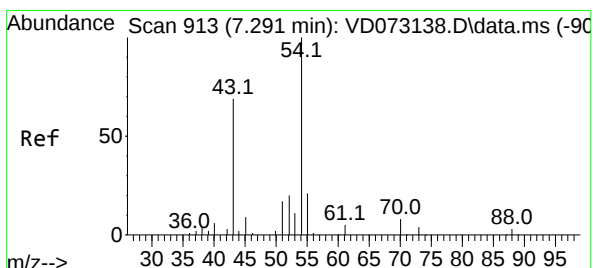
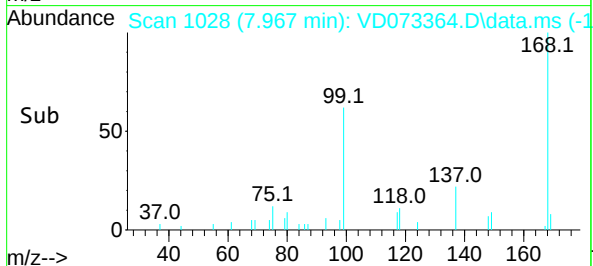
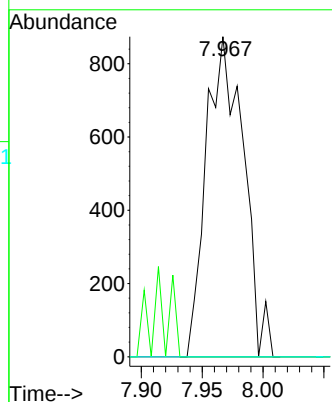
Tgt Ion: 75 Resp: 1857

Ion Ratio Lower Upper

75 100

110 0.0 16.4 49.1#

77 0.0 24.2 36.2#



#37

Ethyl Acetate

Concen: 3.741 ug/l

RT: 7.191 min Scan# 896

Delta R.T. -0.100 min

Lab File: VD073364.D

Acq: 25 May 2022 16:53

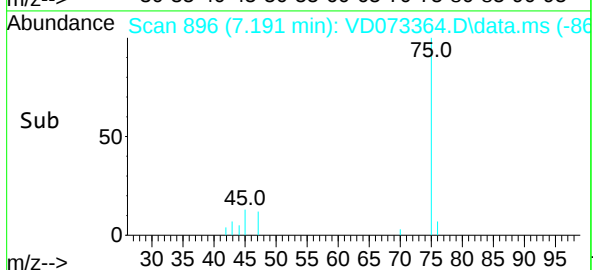
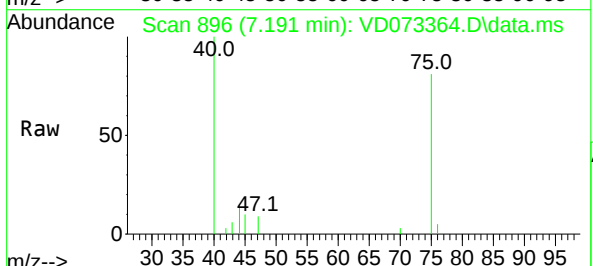
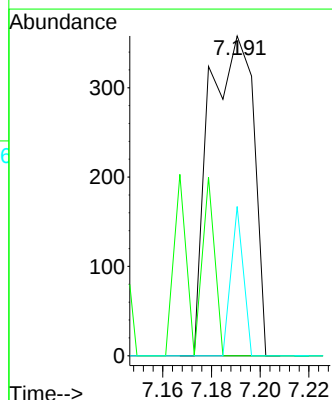
Tgt Ion: 43 Resp: 453

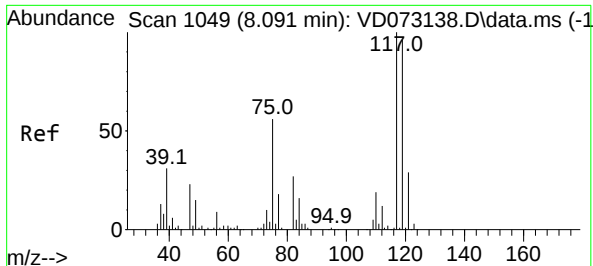
Ion Ratio Lower Upper

43 100

61 0.0 9.8 14.8#

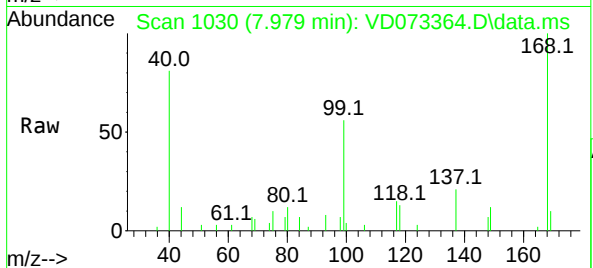
70 13.0 6.9 10.3#



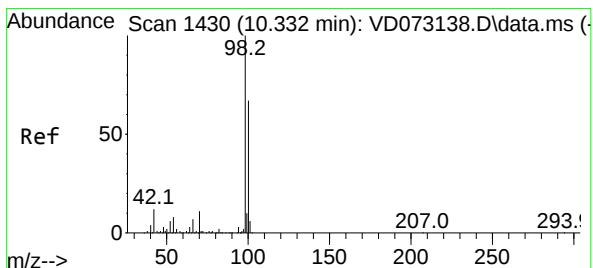
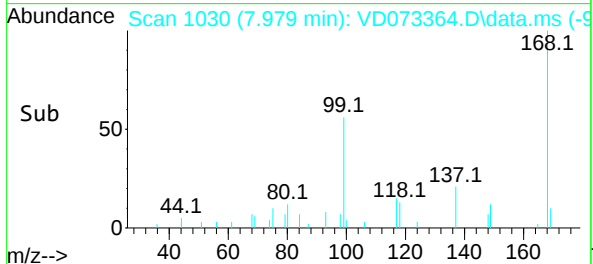
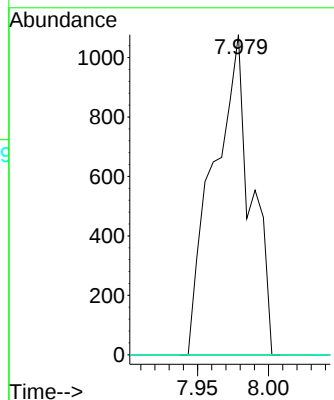


#38
Carbon Tetrachloride
Concen: 6.387 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD073364.D
Acq: 25 May 2022 16:53

Instrument :
MSVOA_D
ClientSampleId :
OR-03-052422

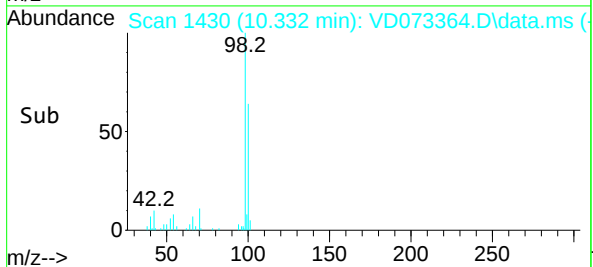
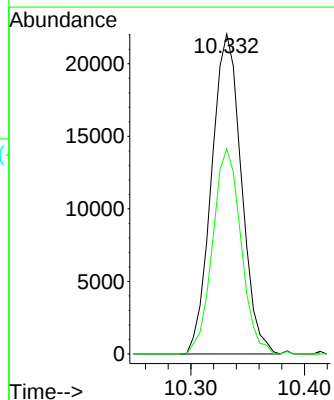
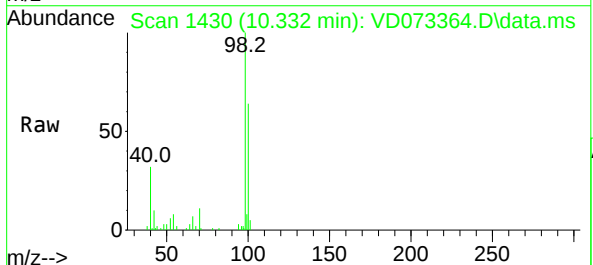


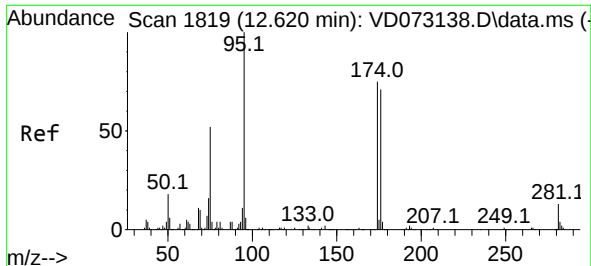
Tgt Ion:117 Resp: 1985
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 53.575 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073364.D
Acq: 25 May 2022 16:53

Tgt Ion: 98 Resp: 40260
Ion Ratio Lower Upper
98 100
100 60.8 52.4 78.6

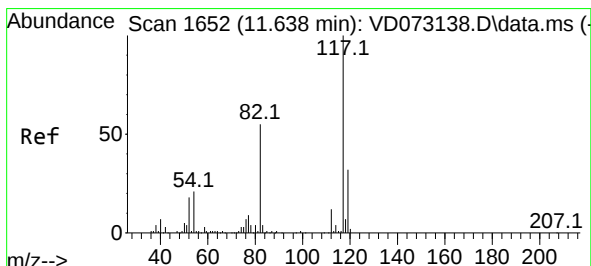
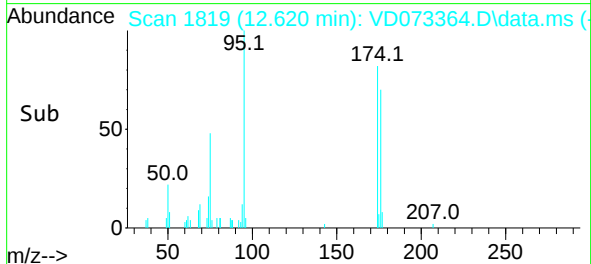
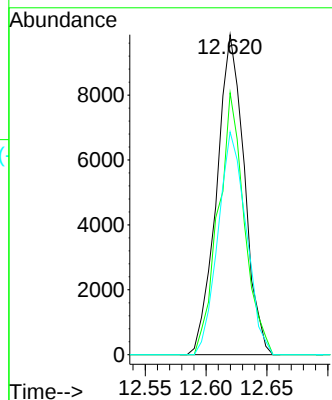
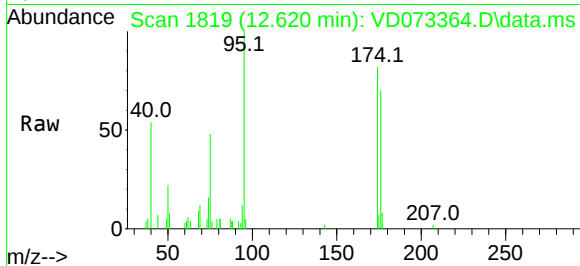




#62
4-Bromofluorobenzene
Concen: 59.126 ug/l
RT: 12.620 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD073364.D
Acq: 25 May 2022 16:53

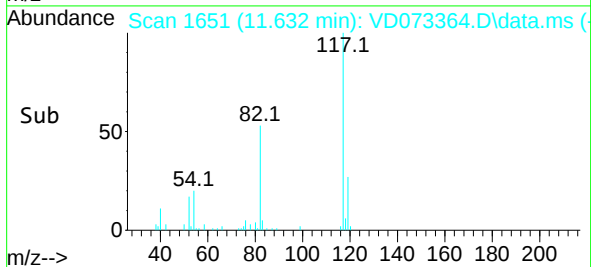
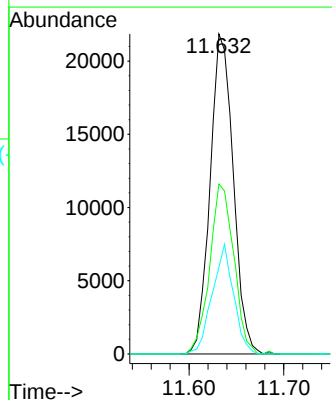
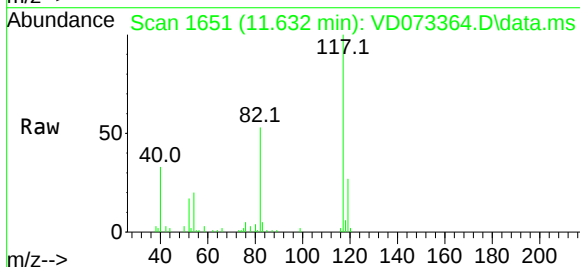
Instrument :
MSVOA_D
ClientSampleId :
OR-03-052422

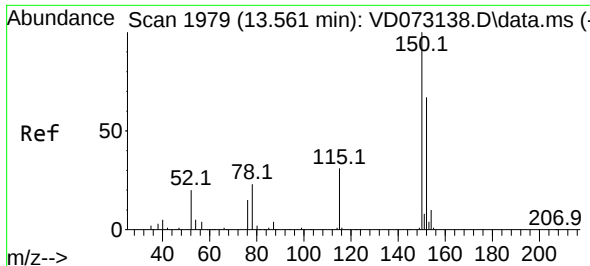
Tgt Ion: 95 Resp: 15593
Ion Ratio Lower Upper
95 100
174 77.4 0.0 152.8
176 70.6 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD073364.D
Acq: 25 May 2022 16:53

Tgt Ion: 117 Resp: 37228
Ion Ratio Lower Upper
117 100
82 53.1 45.3 67.9
119 27.1 26.6 40.0

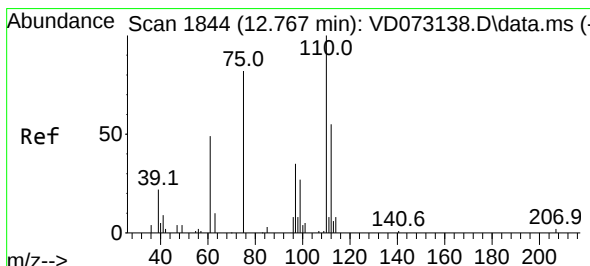
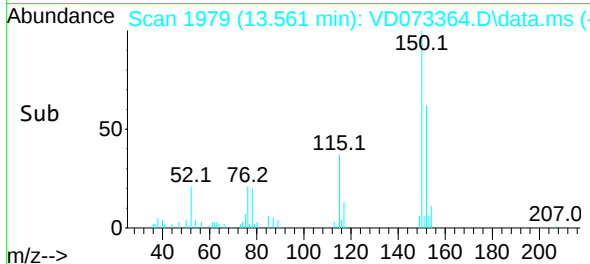
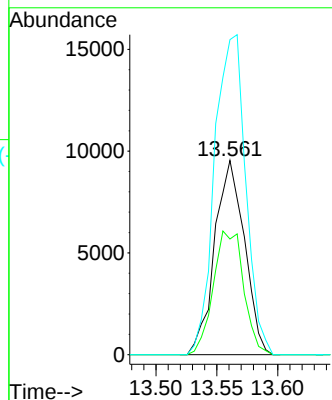
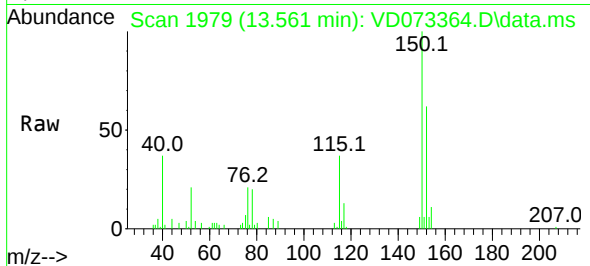




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. -0.000 min
 Lab File: VD073364.D
 Acq: 25 May 2022 16:53

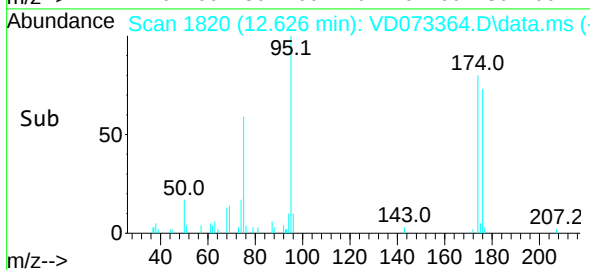
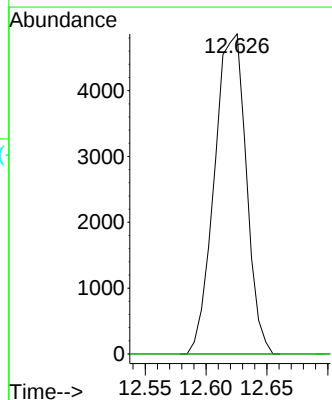
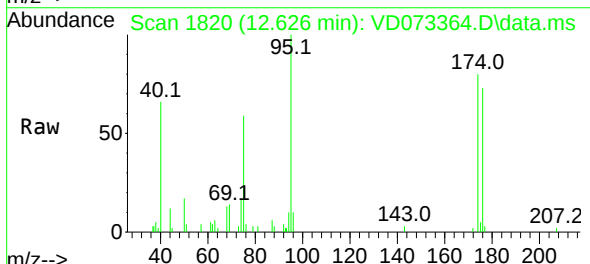
Instrument :
 MSVOA_D
 ClientSampleId :
 OR-03-052422

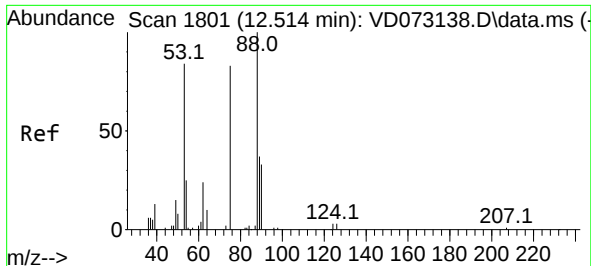
Tgt Ion:152 Resp: 16256
 Ion Ratio Lower Upper
 152 100
 115 64.7 31.3 93.8
 150 171.3 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 55.379 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.141 min
 Lab File: VD073364.D
 Acq: 25 May 2022 16:53

Tgt Ion: 75 Resp: 8833
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

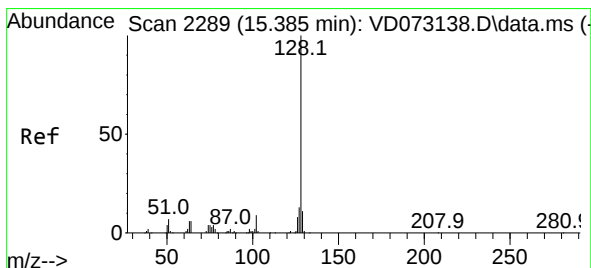
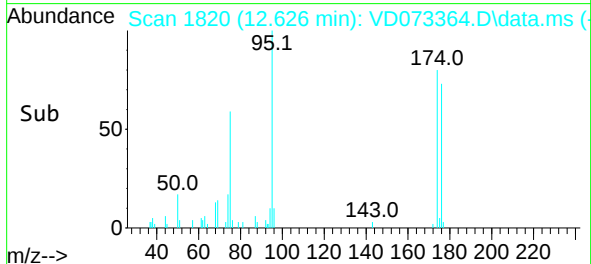
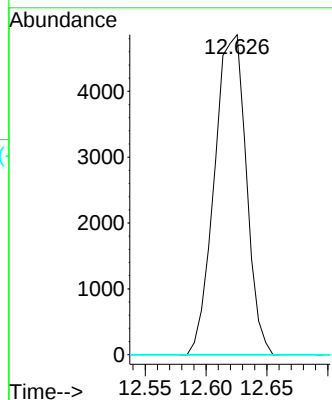
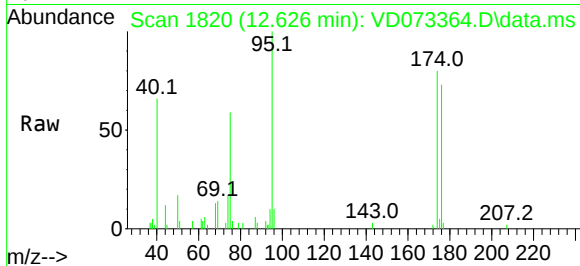




#81
trans-1,4-Dichloro-2-butene
Concen: 132.949 ug/l
RT: 12.626 min Scan# 1801
Delta R.T. 0.112 min
Lab File: VD073364.D
Acq: 25 May 2022 16:53

Instrument :
MSVOA_D
ClientSampleId :
OR-03-052422

Tgt Ion: 75 Resp: 8833
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 3.828 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.001 min
Lab File: VD073364.D
Acq: 25 May 2022 16:53

Tgt Ion: 128 Resp: 164
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

