

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD033022\
 Data File : VD072476.D
 Acq On : 30 Mar 2022 13:52
 Operator : VA/SY
 Sample : N2103-07
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-200049RE

Quant Time: Mar 31 03:08:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 02:44:36 2022
 Response via : Initial Calibration

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

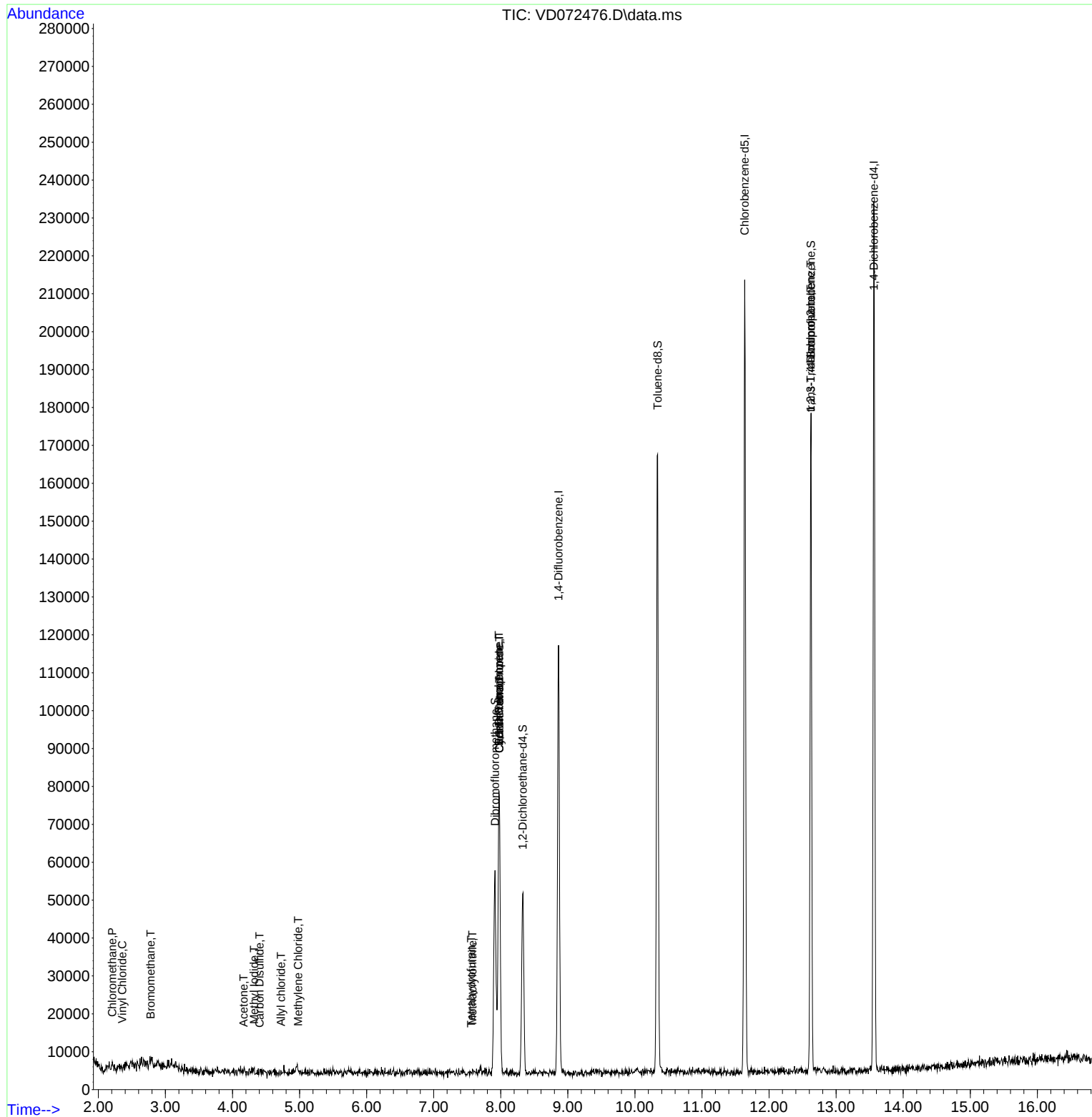
Internal Standards						
1) Pentafluorobenzene	7.973	168	53644	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	94223	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	121214	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	60935	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	37996	58.552	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.100%			
35) Dibromofluoromethane	7.914	113	37271	50.900	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.800%			
50) Toluene-d8	10.338	98	116344	45.709	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 91.420%			
62) 4-Bromofluorobenzene	12.626	95	57906	58.252	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 116.500%			
Target Compounds					Qvalue	
3) Chloromethane	2.209	50	735	1.867	ug/l #	45
4) Vinyl Chloride	2.356	62	61	1.082	ug/l #	43
5) Bromomethane	2.779	94	598	1.971	ug/l #	50
10) Methyl Iodide	4.320	142	1206	5.674	ug/l #	76
14) Allyl chloride	4.726	41	85	1.225	ug/l #	22
16) Acetone	4.167	43	850	7.025	ug/l #	47
17) Carbon Disulfide	4.403	76	220	3.821	ug/l #	74
20) Methylene Chloride	4.979	84	1098	1.524	ug/l #	34
29) Tetrahydrofuran	7.561	42	124	1.227	ug/l #	38
31) Cyclohexane	7.979	56	1384	1.631	ug/l #	24
36) 1,1-Dichloropropene	7.973	75	4221	5.533	ug/l #	50
38) Carbon Tetrachloride	7.979	117	5689	5.639	ug/l #	13
41) Methacrylonitrile	7.579	41	60	1.914	ug/l #	4
76) 1,2,3-Trichloropropane	12.620	75	30145	45.358	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	30145	111.301	ug/l #	7

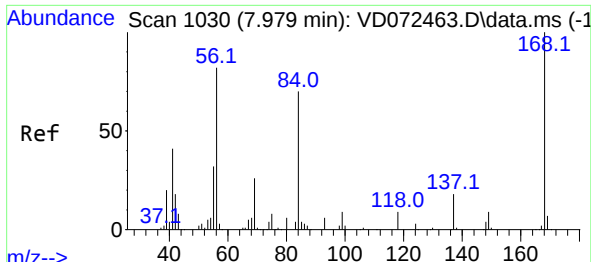
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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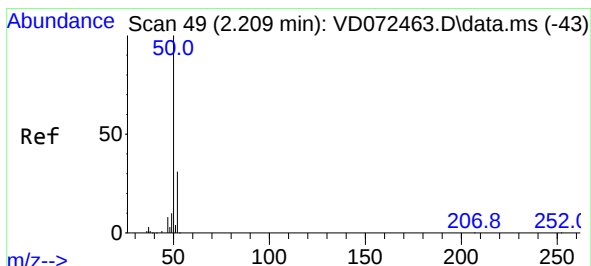
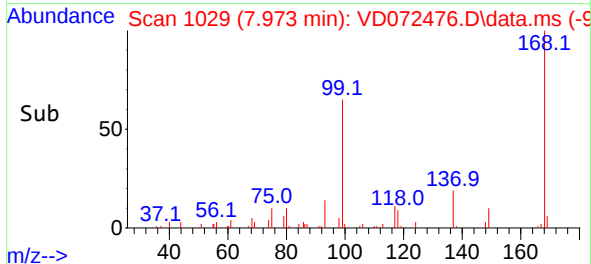
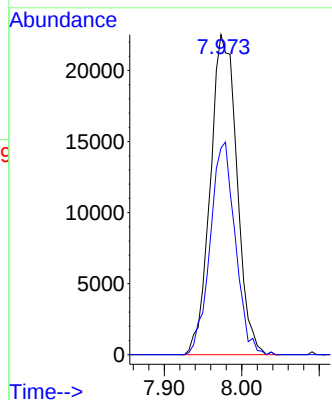
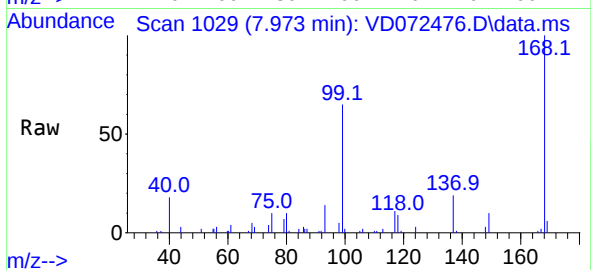




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072476.D
Acq: 30 Mar 2022 13:52

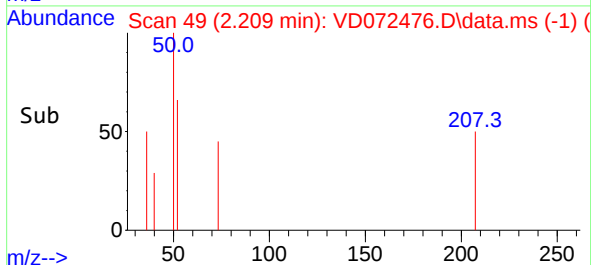
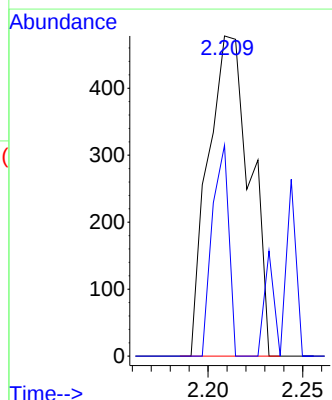
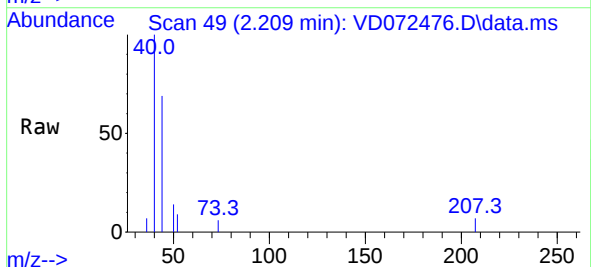
Instrument :
MSVOA_D
ClientSampleId :
RBR-200049RE

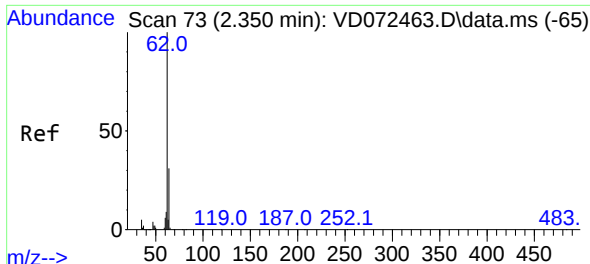
Tgt Ion:168 Resp: 53644
Ion Ratio Lower Upper
168 100
99 64.6 49.8 74.6



#3
Chloromethane
Concen: 1.867 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD072476.D
Acq: 30 Mar 2022 13:52

Tgt Ion: 50 Resp: 735
Ion Ratio Lower Upper
50 100
52 65.9 27.4 41.0#

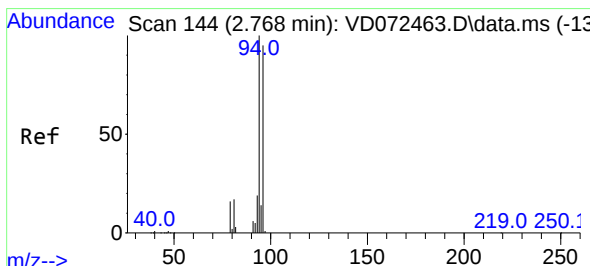
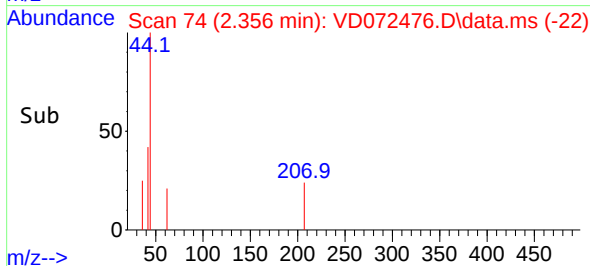
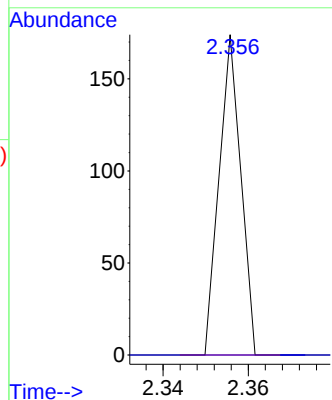
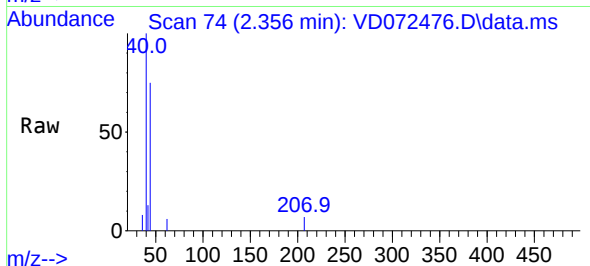




#4
 Vinyl Chloride
 Concen: 1.082 ug/l
 RT: 2.356 min Scan# 74
 Delta R.T. 0.006 min
 Lab File: VD072476.D
 Acq: 30 Mar 2022 13:52

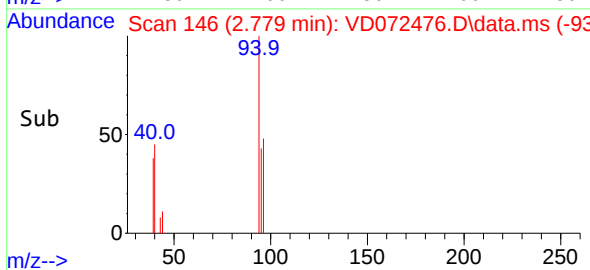
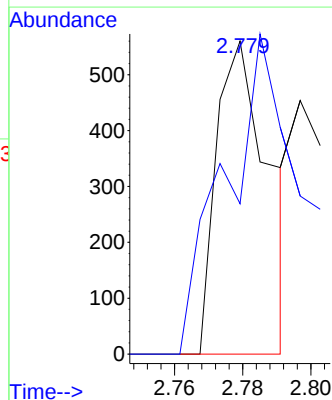
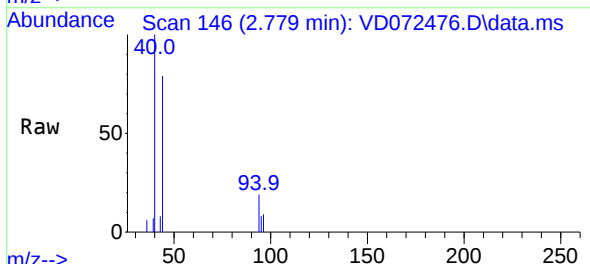
Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-200049RE

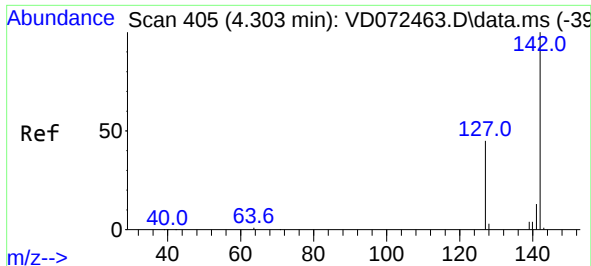
Tgt Ion: 62 Resp: 61
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.4 38.0#



#5
 Bromomethane
 Concen: 1.971 ug/l
 RT: 2.779 min Scan# 146
 Delta R.T. 0.012 min
 Lab File: VD072476.D
 Acq: 30 Mar 2022 13:52

Tgt Ion: 94 Resp: 598
 Ion Ratio Lower Upper
 94 100
 96 48.0 77.6 116.4#

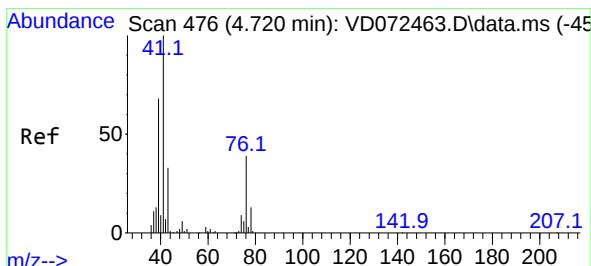
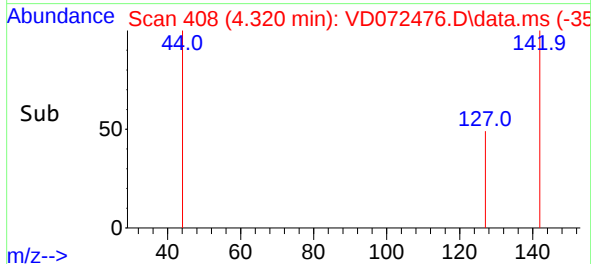
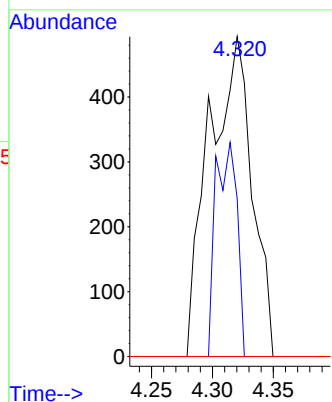
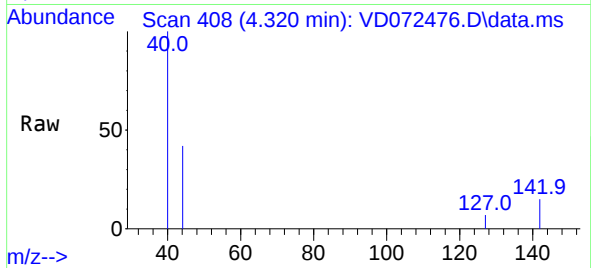




#10
Methyl Iodide
Concen: 5.674 ug/l
RT: 4.320 min Scan# 408
Delta R.T. 0.017 min
Lab File: VD072476.D
Acq: 30 Mar 2022 13:52

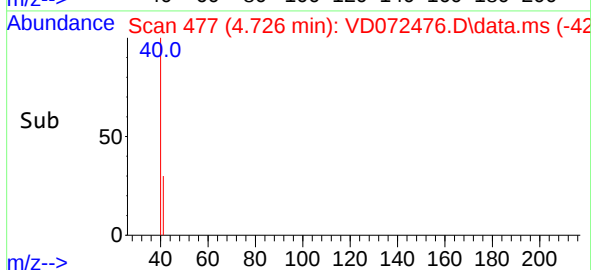
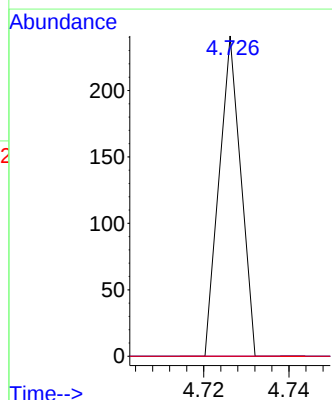
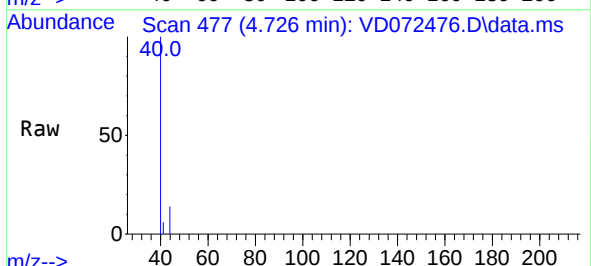
Instrument :
MSVOA_D
ClientSampleId :
RBR-200049RE

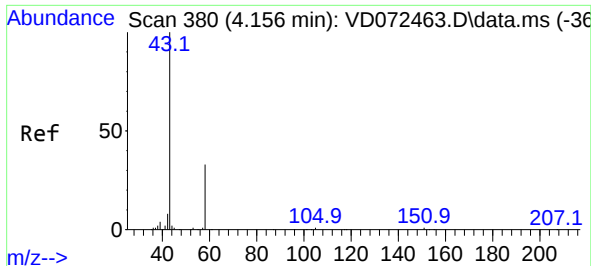
Tgt Ion:142 Resp: 1206
Ion Ratio Lower Upper
142 100
127 33.3 37.3 55.9#
141 0.0 11.7 17.5#



#14
Allyl chloride
Concen: 1.225 ug/l
RT: 4.726 min Scan# 477
Delta R.T. 0.006 min
Lab File: VD072476.D
Acq: 30 Mar 2022 13:52

Tgt Ion: 41 Resp: 85
Ion Ratio Lower Upper
41 100
39 0.0 59.3 88.9#
76 0.0 25.7 38.5#

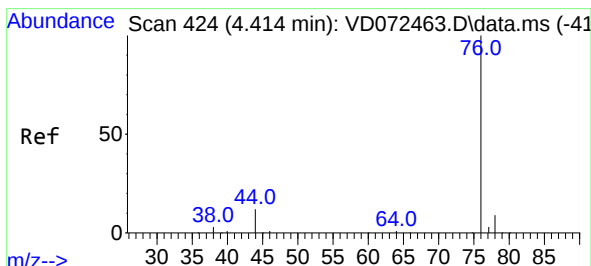
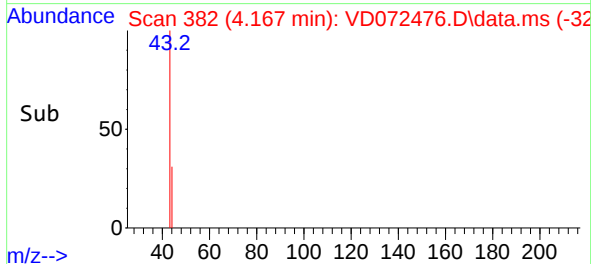
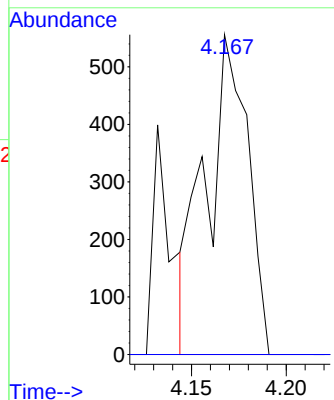
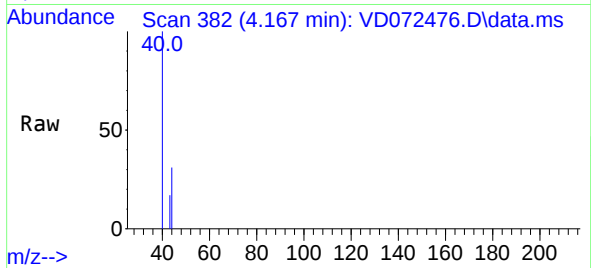




#16
Acetone
Concen: 7.025 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD072476.D
Acq: 30 Mar 2022 13:52

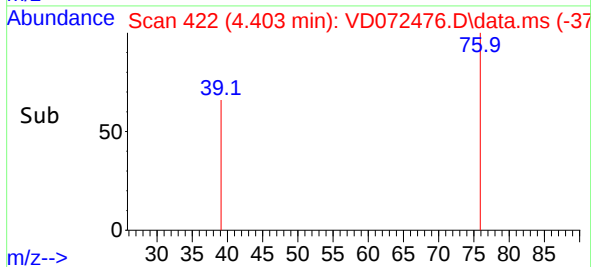
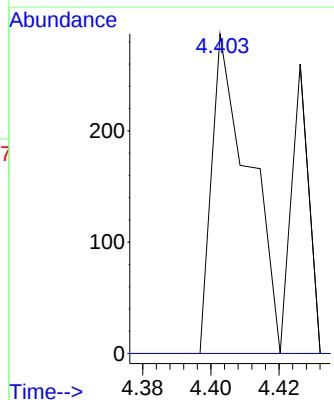
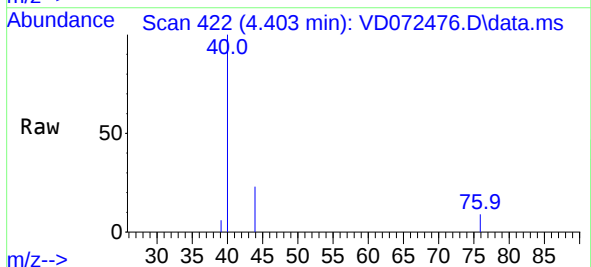
Instrument :
MSVOA_D
ClientSampleId :
RBR-200049RE

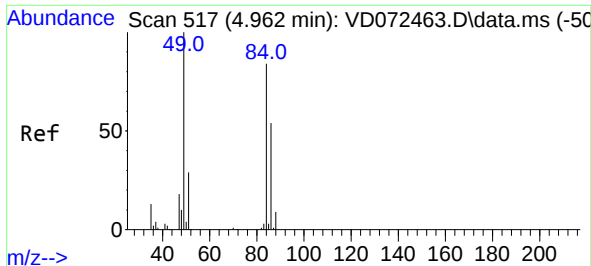
Tgt Ion: 43 Resp: 850
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



#17
Carbon Disulfide
Concen: 3.821 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.011 min
Lab File: VD072476.D
Acq: 30 Mar 2022 13:52

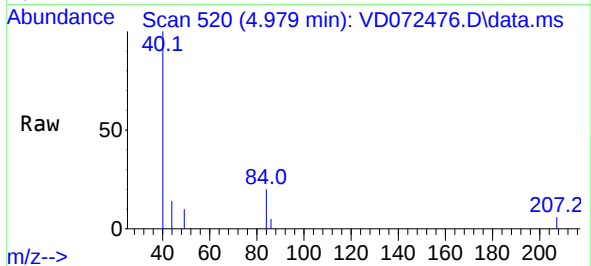
Tgt Ion: 76 Resp: 220
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



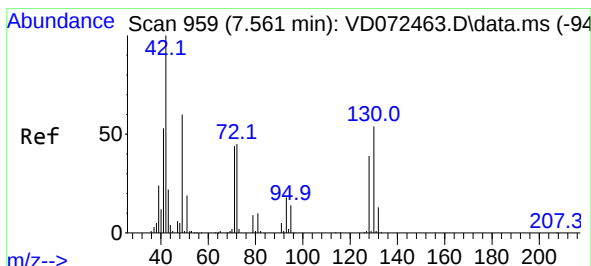
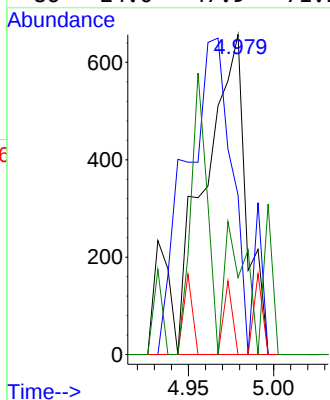
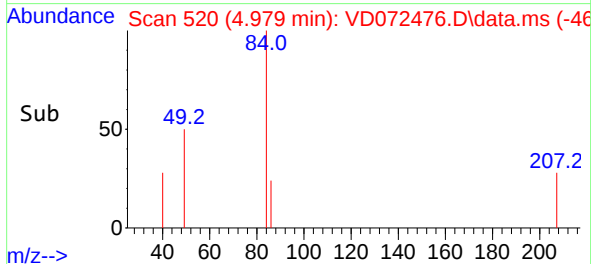


#20
Methylene Chloride
Concen: 1.524 ug/l
RT: 4.979 min Scan# 517
Delta R.T. 0.018 min
Lab File: VD072476.D
Acq: 30 Mar 2022 13:52

Instrument :
MSVOA_D
ClientSampleId :
RBR-200049RE

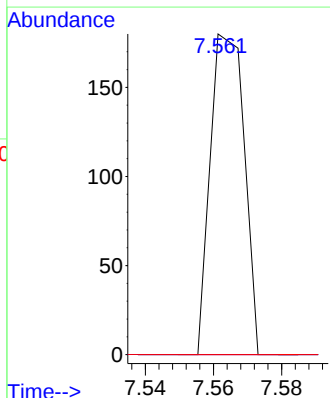
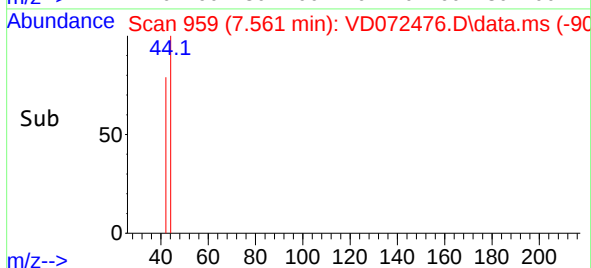
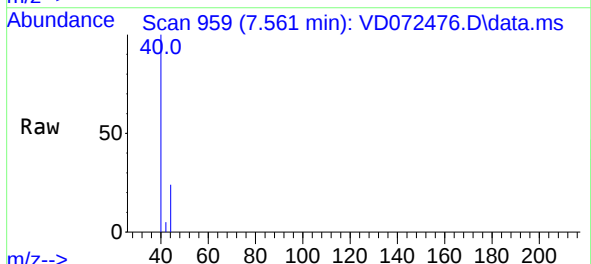


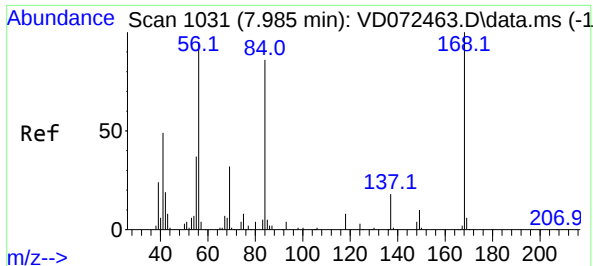
Tgt Ion: 84 Resp: 1098
Ion Ratio Lower Upper
84 100
49 49.9 112.8 169.2#
51 0.0 32.6 48.8#
86 24.0 47.9 71.9#



#29
Tetrahydrofuran
Concen: 1.227 ug/l
RT: 7.561 min Scan# 959
Delta R.T. -0.000 min
Lab File: VD072476.D
Acq: 30 Mar 2022 13:52

Tgt Ion: 42 Resp: 124
Ion Ratio Lower Upper
42 100
72 0.0 30.7 46.1#
71 0.0 28.6 43.0#

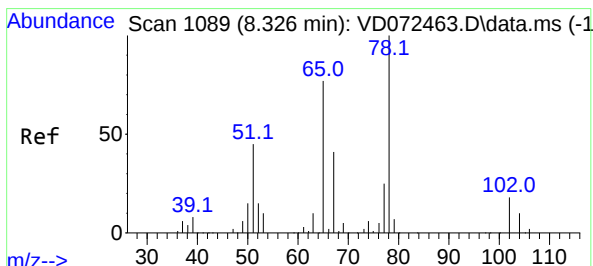
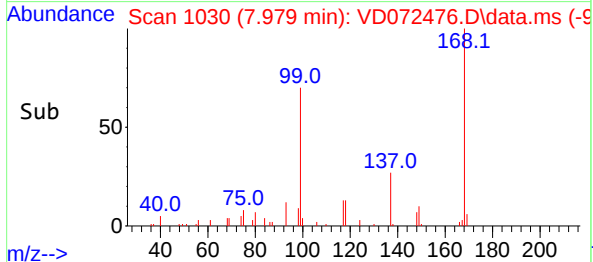
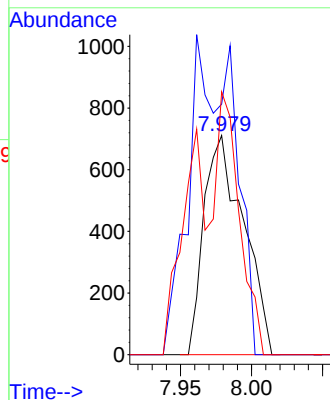
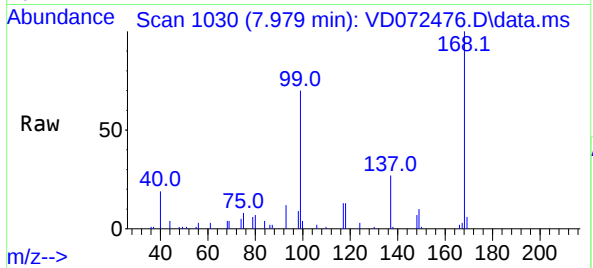




#31
Cyclohexane
Concen: 1.631 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD072476.D
Acq: 30 Mar 2022 13:52

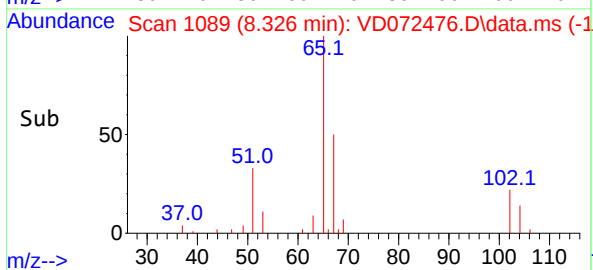
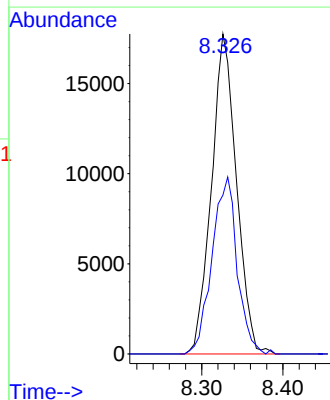
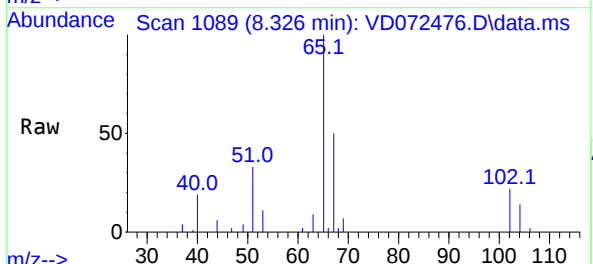
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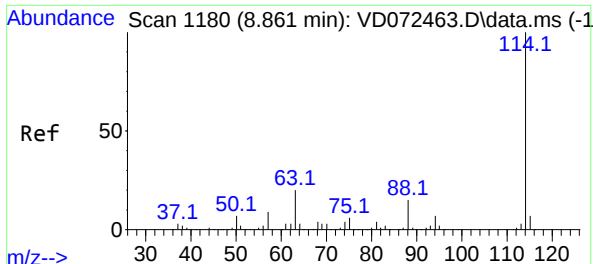
Tgt Ion: 56 Resp: 1384
Ion Ratio Lower Upper
56 100
69 114.3 25.4 38.2#
84 120.0 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 58.552 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD072476.D
Acq: 30 Mar 2022 13:52

Tgt Ion: 65 Resp: 37996
Ion Ratio Lower Upper
65 100
67 55.4 0.0 101.4



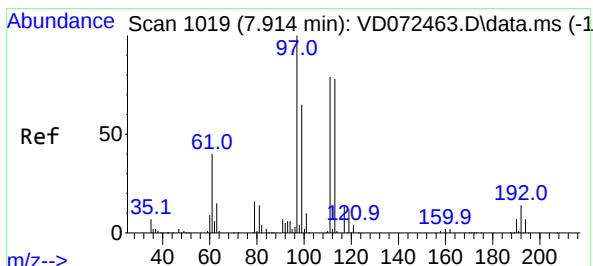
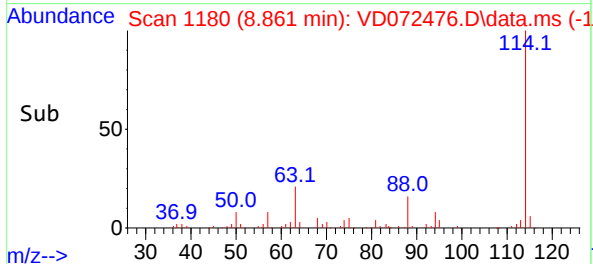
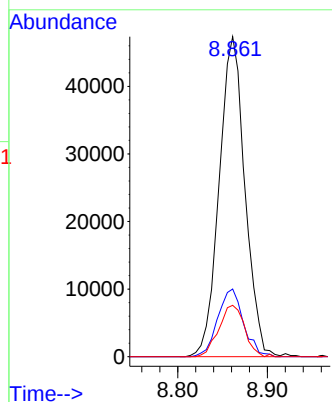
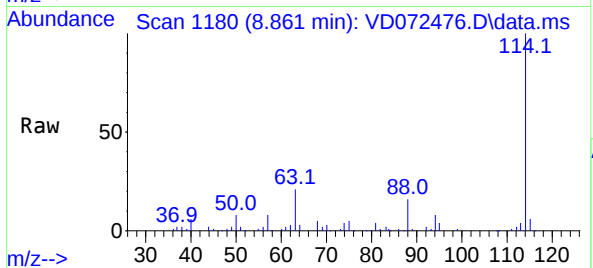


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD072476.D
Acq: 30 Mar 2022 13:52

Instrument :
MSVOA_D
ClientSampleId :
RBR-200049RE

Tgt Ion:114 Resp: 94223

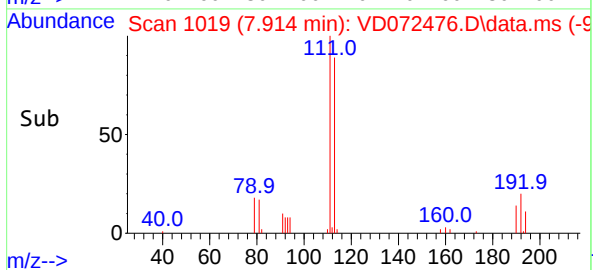
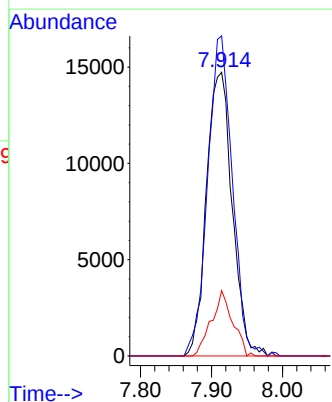
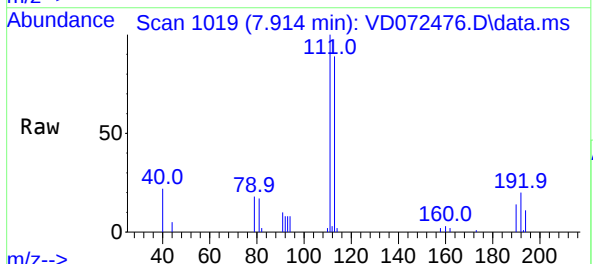
Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	46.6
88	16.0	0.0	33.2

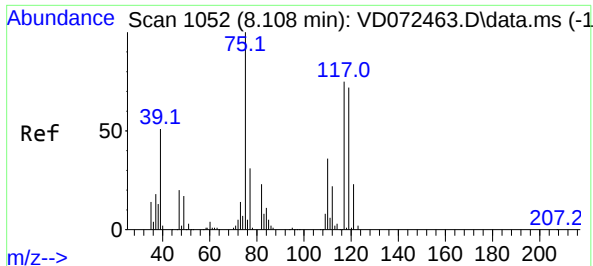


#35
Dibromofluoromethane
Concen: 50.900 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD072476.D
Acq: 30 Mar 2022 13:52

Tgt Ion:113 Resp: 37271

Ion	Ratio	Lower	Upper
113	100		
111	107.4	83.8	125.6
192	19.0	14.6	21.8





#36

1,1-Dichloropropene

Concen: 5.533 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD072476.D

Acq: 30 Mar 2022 13:52

Instrument :

MSVOA_D

ClientSampleId :

RBR-200049RE

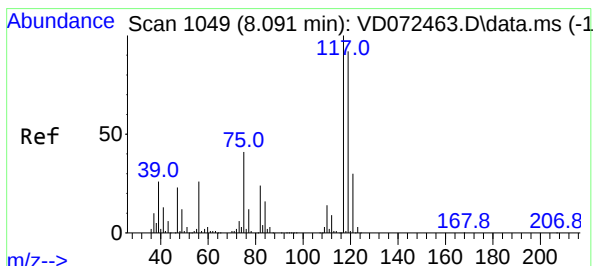
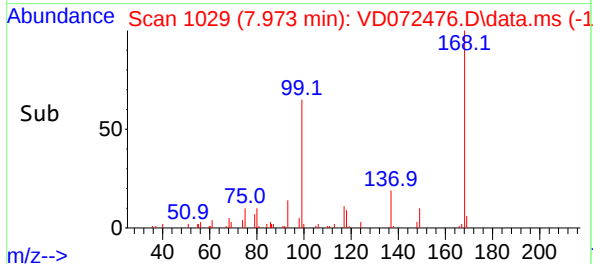
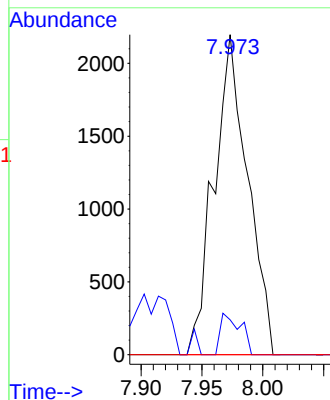
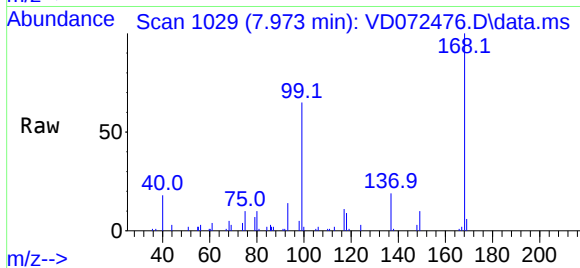
Tgt Ion: 75 Resp: 4221

Ion Ratio Lower Upper

75 100

110 7.7 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.639 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.112 min

Lab File: VD072476.D

Acq: 30 Mar 2022 13:52

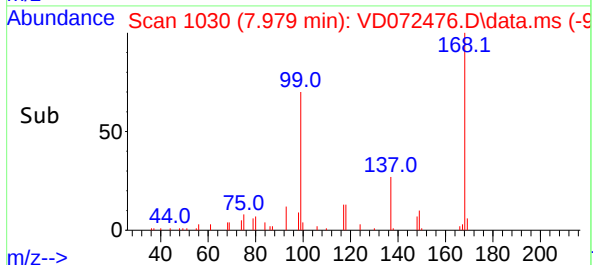
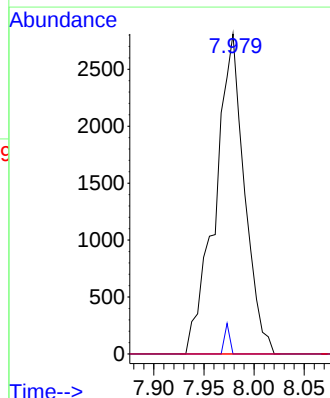
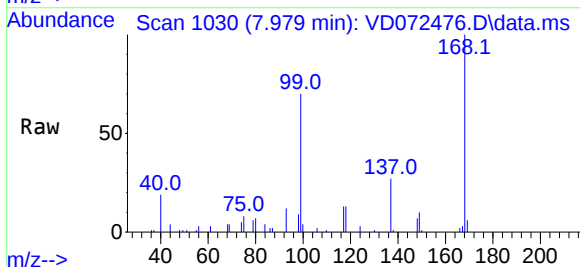
Tgt Ion: 117 Resp: 5689

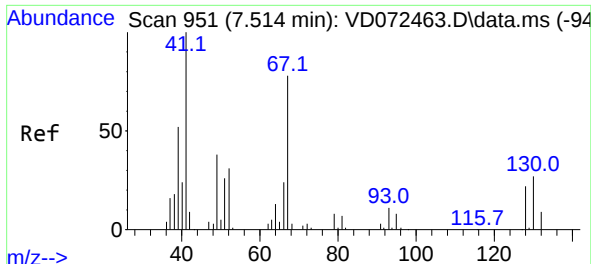
Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.6#

121 0.0 24.5 36.7#

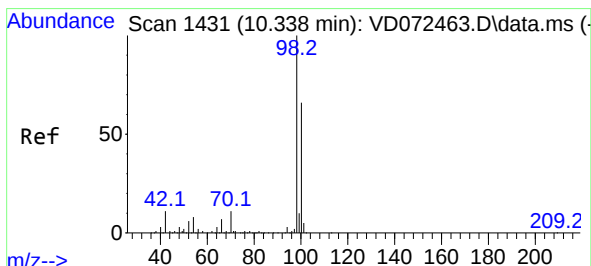
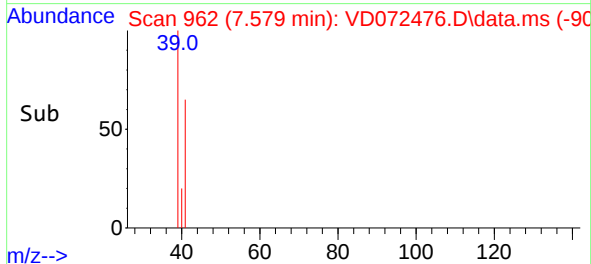
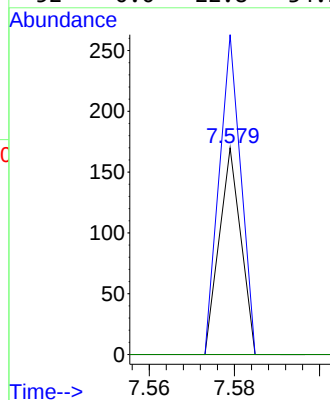
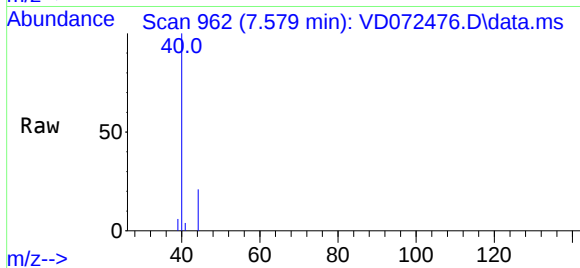




#41
Methacrylonitrile
Concen: 1.914 ug/l
RT: 7.579 min Scan# 91
Delta R.T. 0.065 min
Lab File: VD072476.D
Acq: 30 Mar 2022 13:52

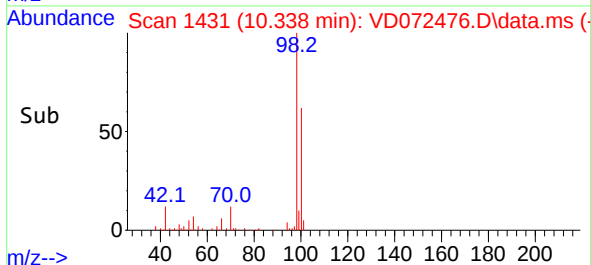
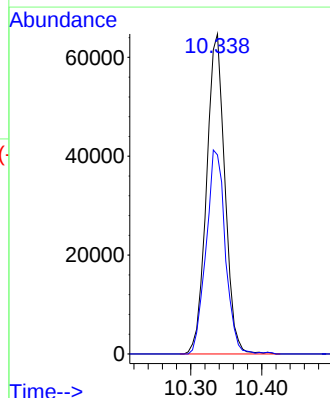
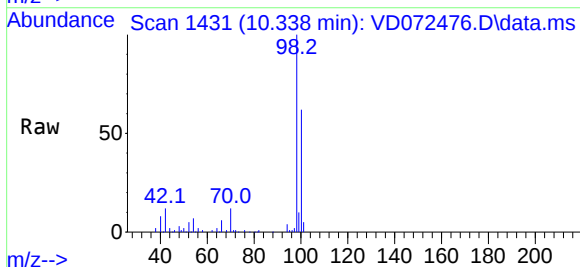
Instrument :
MSVOA_D
ClientSampleId :
RBR-200049RE

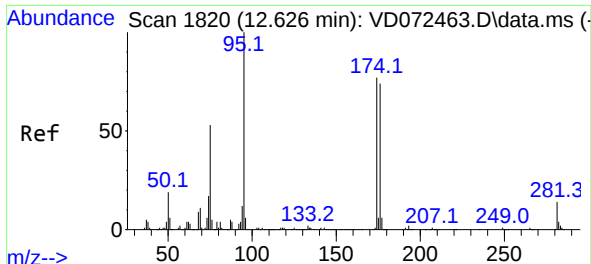
Tgt Ion:	41	Resp:	60
Ion	Ratio	Lower	Upper
41	100		
39	155.0	44.6	67.0#
67	0.0	48.2	72.4#
52	0.0	22.8	34.2#



#50
Toluene-d8
Concen: 45.709 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD072476.D
Acq: 30 Mar 2022 13:52

Tgt Ion:	98	Resp:	116344
Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.4	78.6

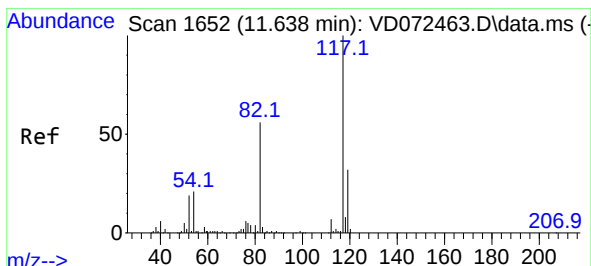
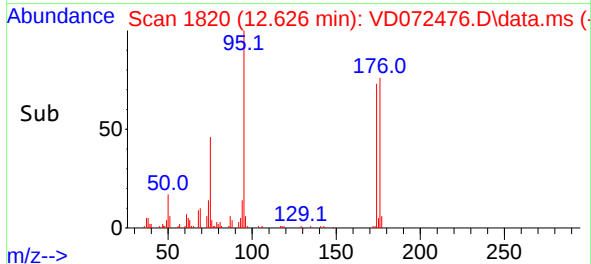
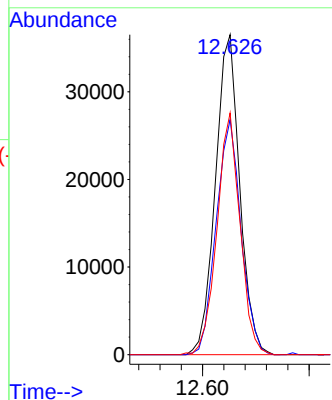
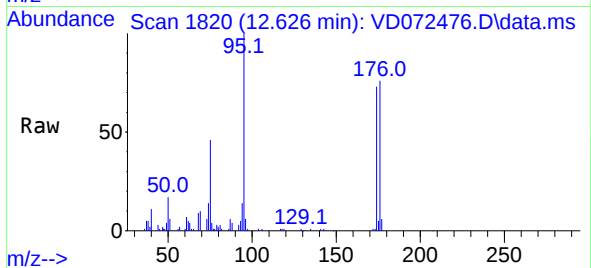




#62
4-Bromofluorobenzene
Concen: 58.252 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD072476.D
Acq: 30 Mar 2022 13:52

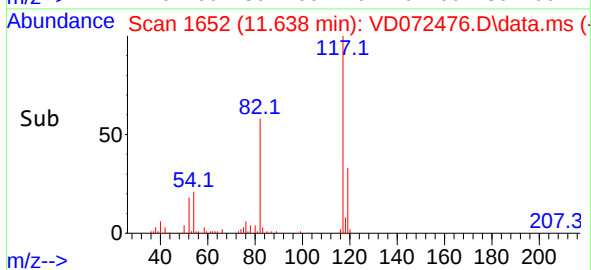
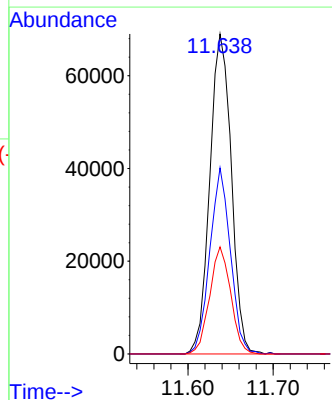
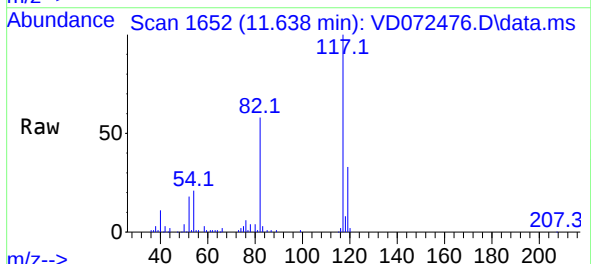
Instrument :
MSVOA_D
ClientSampleId :
RBR-200049RE

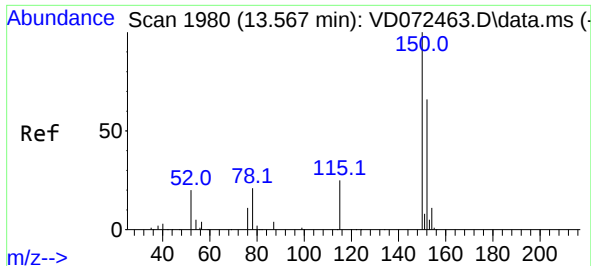
Tgt Ion: 95 Resp: 57906
Ion Ratio Lower Upper
95 100
174 75.0 0.0 152.8
176 71.6 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072476.D
Acq: 30 Mar 2022 13:52

Tgt Ion: 117 Resp: 121214
Ion Ratio Lower Upper
117 100
82 58.2 45.3 67.9
119 33.4 26.6 40.0

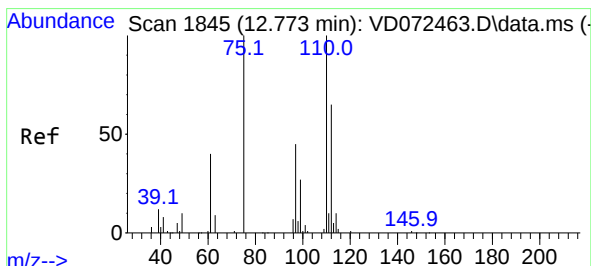
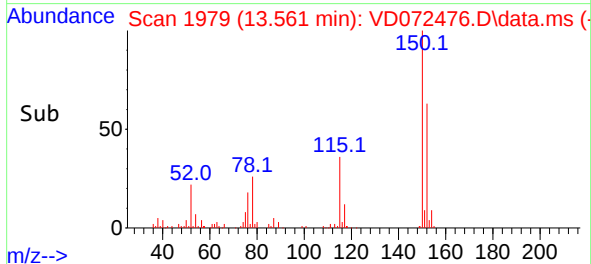
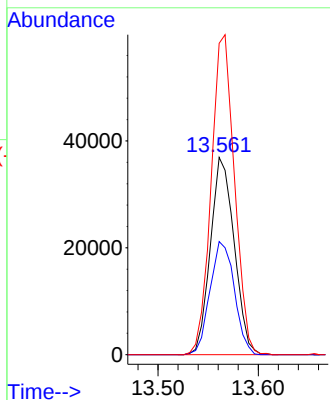
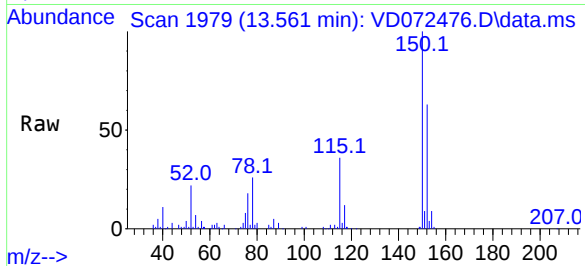




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072476.D
Acq: 30 Mar 2022 13:52

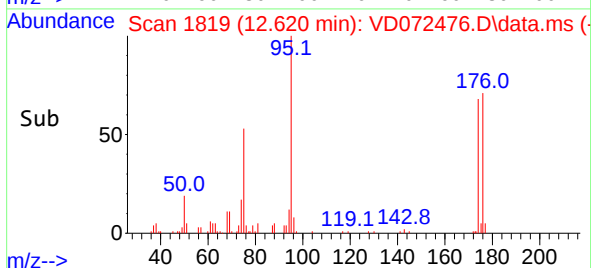
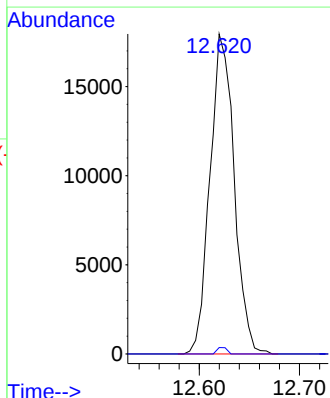
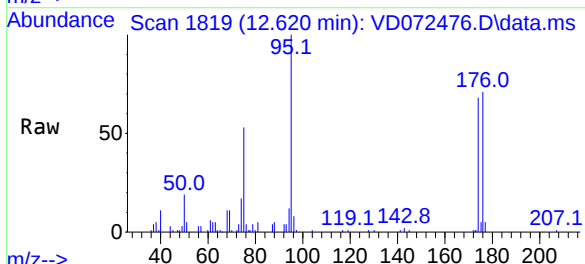
Instrument :
MSVOA_D
ClientSampleId :
RBR-200049RE

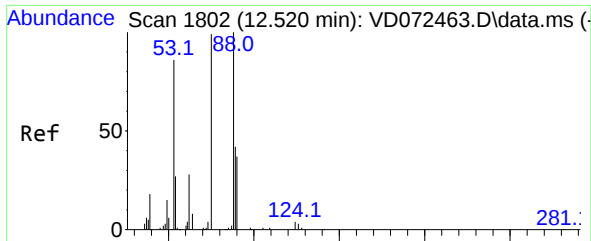
Tgt Ion:152 Resp: 60935
Ion Ratio Lower Upper
152 100
115 58.8 31.3 93.8
150 158.6 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 45.358 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072476.D
Acq: 30 Mar 2022 13:52

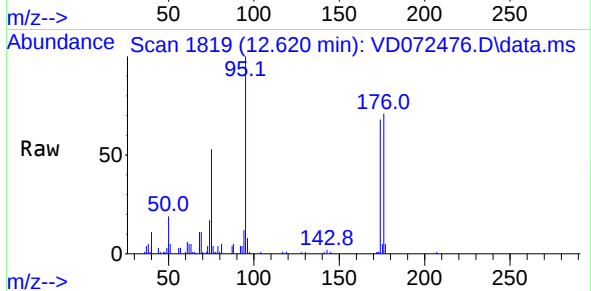
Tgt Ion: 75 Resp: 30145
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 111.301 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD072476.D
 Acq: 30 Mar 2022 13:52

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-200049RE



Tgt Ion: 75 Resp: 30145
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.5 129.7#
 89 0.0 33.9 50.9#

