

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041822\
 Data File : VD072592.D
 Acq On : 18 Apr 2022 12:11
 Operator : VA/SY
 Sample : VD0418SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBL01

Quant Time: Apr 19 02:49:09 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

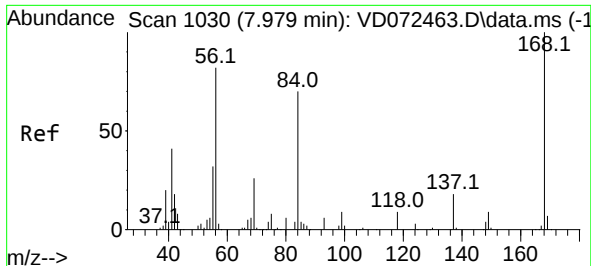
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	469036	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	866390	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	800369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	354782	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	253191	44.624	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.240%		
35) Dibromofluoromethane	7.914	113	285097	42.343	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	84.680%		
50) Toluene-d8	10.332	98	1009291	43.124	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	86.240%		
62) 4-Bromofluorobenzene	12.620	95	346293	37.886	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	75.780%		
Target Compounds						Qvalue
4) Vinyl Chloride	2.350	62	1225	1.254	ug/l #	50
10) Methyl Iodide	4.315	142	1413	3.991	ug/l #	92
11) Tert butyl alcohol	5.173	59	10564	35.256	ug/l #	74
14) Allyl chloride	4.709	41	1509	1.326	ug/l #	67
16) Acetone	4.156	43	6462	6.108	ug/l	93
17) Carbon Disulfide	4.415	76	5384	4.173	ug/l #	86
20) Methylene Chloride	4.967	84	26395	4.191	ug/l #	82
23) Vinyl Acetate	6.297	43	1661	6.467	ug/l #	87
25) 2-Butanone	7.208	43	3434	2.347	ug/l	99
31) Cyclohexane	7.973	56	12074	1.627	ug/l #	2
36) 1,1-Dichloropropene	8.103	75	2159	1.369	ug/l #	76
39) Methylcyclohexane	9.350	83	2729	3.133	ug/l #	84
41) Methacrylonitrile	7.544	41	215	1.758	ug/l #	41
49) 1,4-Dioxane	9.438	88	119	2.915	ug/l #	1
56) Ethyl methacrylate	10.661	69	320	1.240	ug/l #	77
76) 1,2,3-Trichloropropane	12.620	75	173340	44.797	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	173340	109.923	ug/l #	7

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

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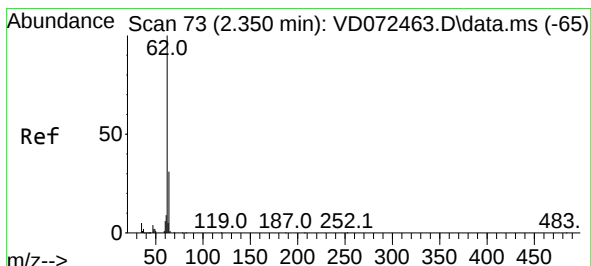
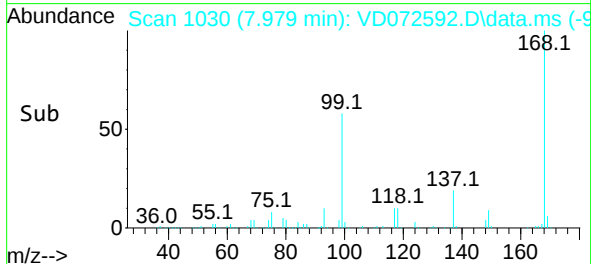
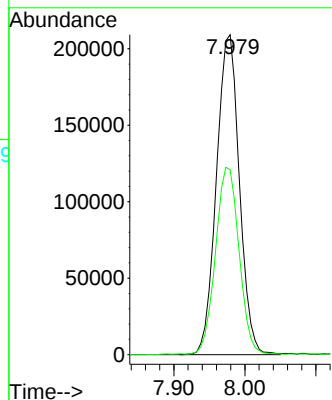
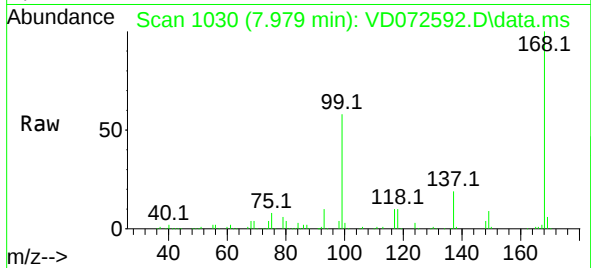




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD072592.D
Acq: 18 Apr 2022 12:11

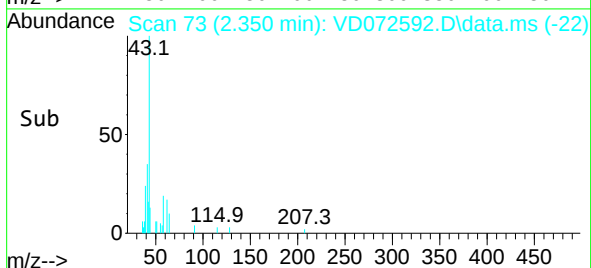
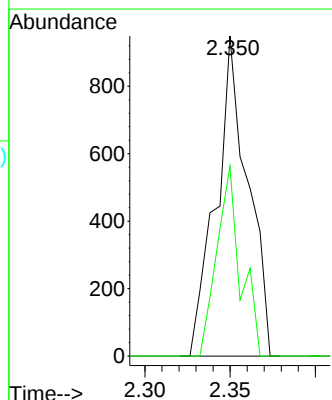
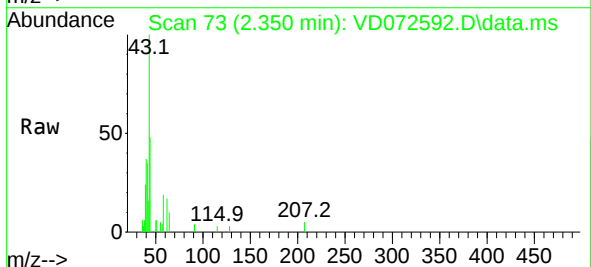
Instrument :
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ClientSampleId :
VD0418SBL01

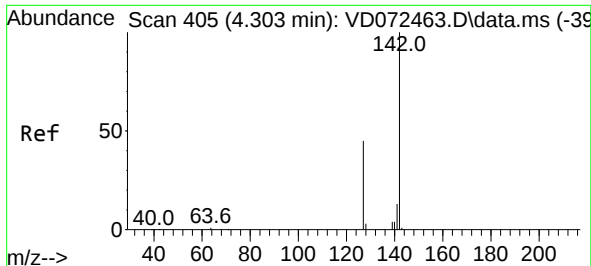
Tgt Ion:168 Resp: 469036
Ion Ratio Lower Upper
168 100
99 57.5 49.8 74.6



#4
Vinyl Chloride
Concen: 1.254 ug/l
RT: 2.350 min Scan# 73
Delta R.T. -0.000 min
Lab File: VD072592.D
Acq: 18 Apr 2022 12:11

Tgt Ion: 62 Resp: 1225
Ion Ratio Lower Upper
62 100
64 59.3 25.4 38.0#

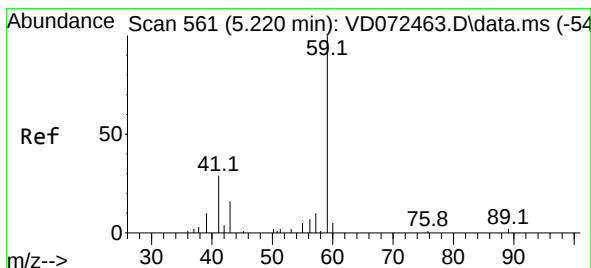
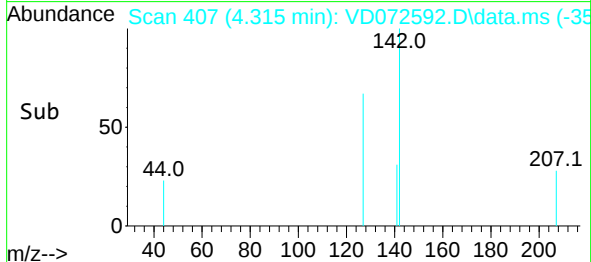
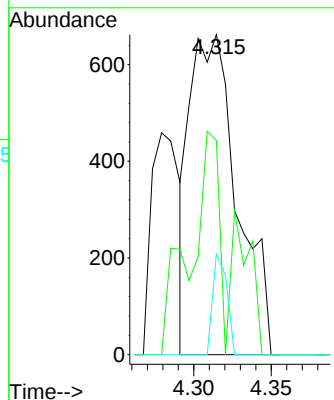
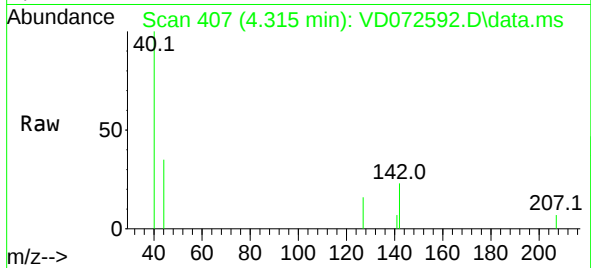




#10
Methyl Iodide
Concen: 3.991 ug/l
RT: 4.315 min Scan# 40
Delta R.T. 0.012 min
Lab File: VD072592.D
Acq: 18 Apr 2022 12:11

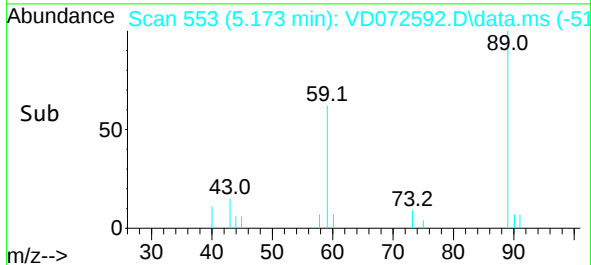
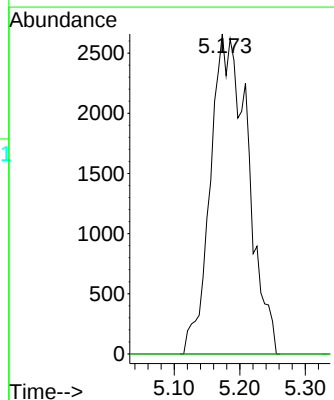
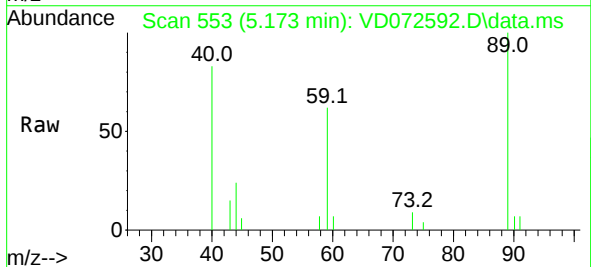
Instrument :
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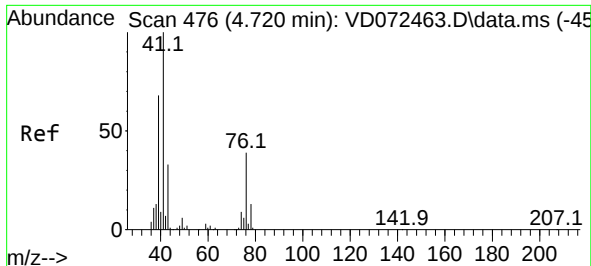
Tgt Ion:142 Resp: 1413
Ion Ratio Lower Upper
142 100
127 42.4 37.3 55.9
141 9.3 11.7 17.5#



#11
Tert butyl alcohol
Concen: 35.256 ug/l
RT: 5.173 min Scan# 553
Delta R.T. -0.047 min
Lab File: VD072592.D
Acq: 18 Apr 2022 12:11

Tgt Ion: 59 Resp: 10564
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

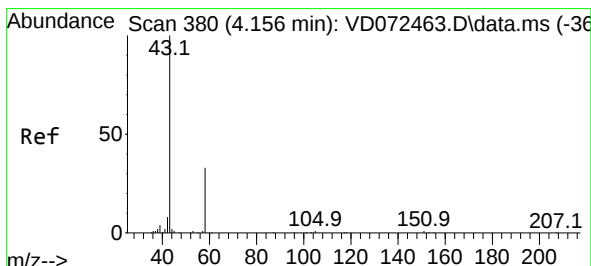
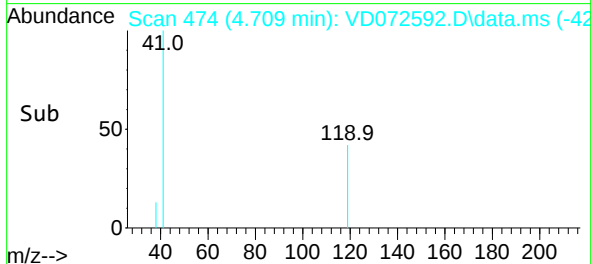
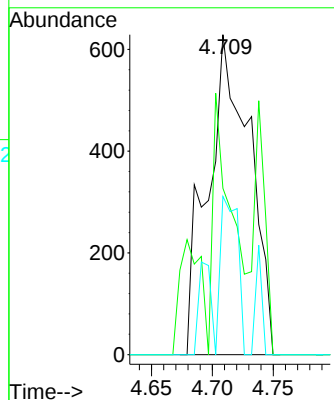
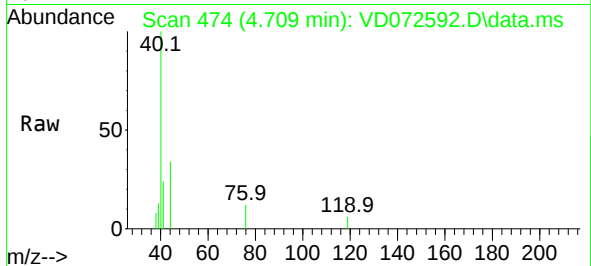




#14
Allyl chloride
Concen: 1.326 ug/l
RT: 4.709 min Scan# 41
Delta R.T. -0.011 min
Lab File: VD072592.D
Acq: 18 Apr 2022 12:11

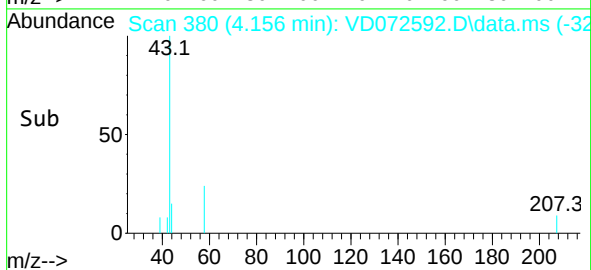
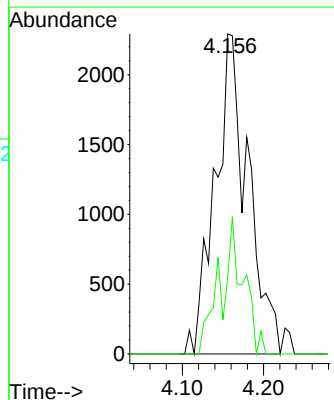
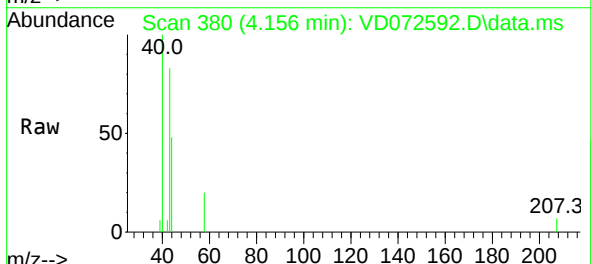
Instrument :
MSVOA_D
ClientSampleId :
VD0418SBL01

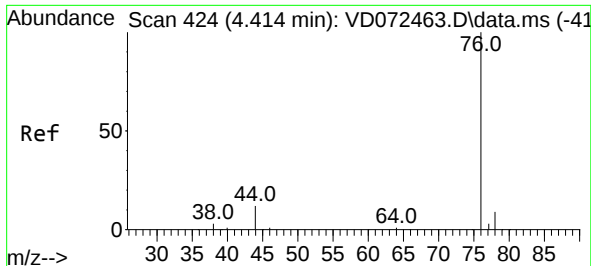
Tgt Ion: 41 Resp: 1509
Ion Ratio Lower Upper
41 100
39 36.0 59.3 88.9#
76 28.9 25.7 38.5



#16
Acetone
Concen: 6.108 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD072592.D
Acq: 18 Apr 2022 12:11

Tgt Ion: 43 Resp: 6462
Ion Ratio Lower Upper
43 100
58 23.7 22.1 33.1

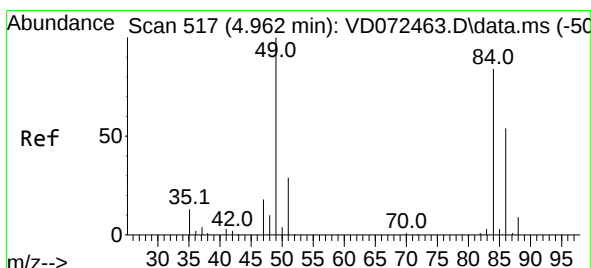
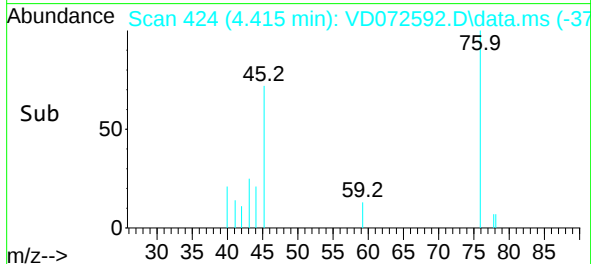
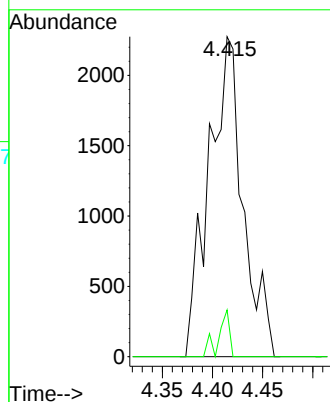
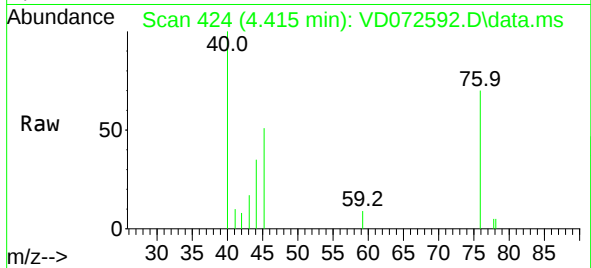




#17
Carbon Disulfide
Concen: 4.173 ug/l
RT: 4.415 min Scan# 41
Delta R.T. 0.001 min
Lab File: VD072592.D
Acq: 18 Apr 2022 12:11

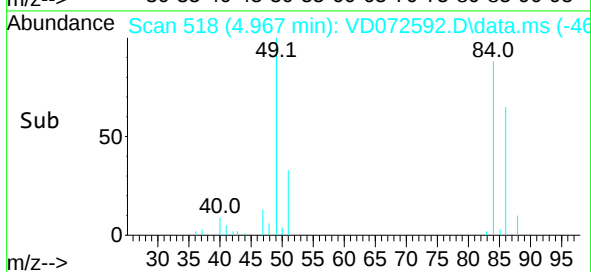
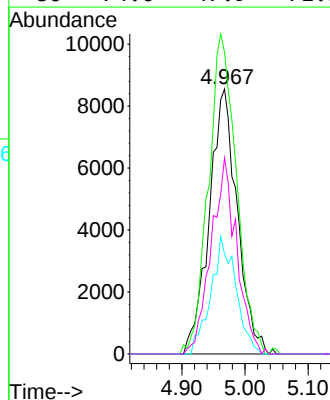
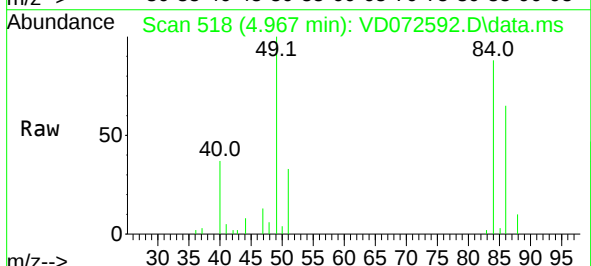
Instrument :
MSVOA_D
ClientSampleId :
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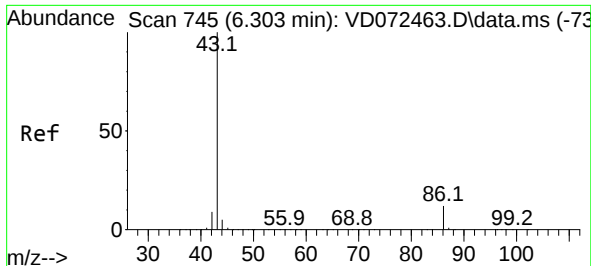
Tgt Ion: 76 Resp: 5384
Ion Ratio Lower Upper
76 100
78 14.6 7.5 11.3#



#20
Methylene Chloride
Concen: 4.191 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD072592.D
Acq: 18 Apr 2022 12:11

Tgt Ion: 84 Resp: 26395
Ion Ratio Lower Upper
84 100
49 113.9 112.8 169.2
51 37.7 32.6 48.8
86 74.0 47.9 71.9#

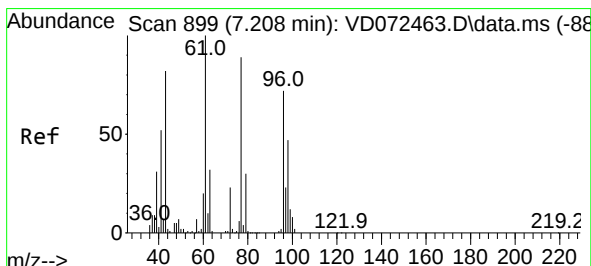
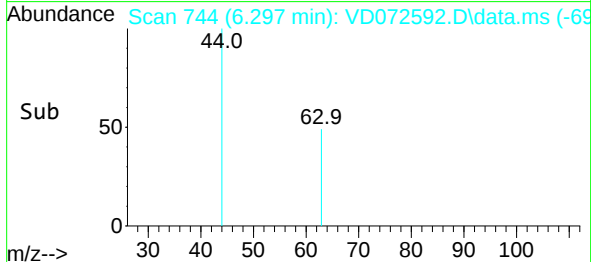
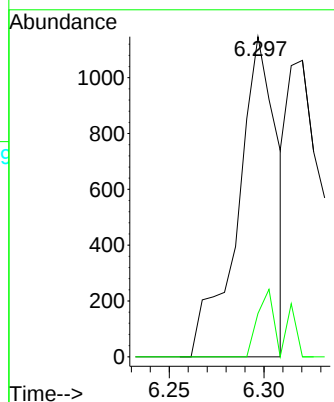
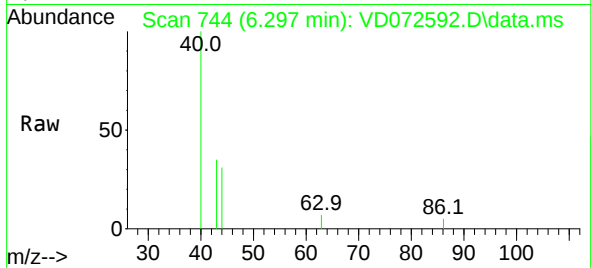




#23
 Vinyl Acetate
 Concen: 6.467 ug/l
 RT: 6.297 min Scan# 745
 Delta R.T. -0.006 min
 Lab File: VD072592.D
 Acq: 18 Apr 2022 12:11

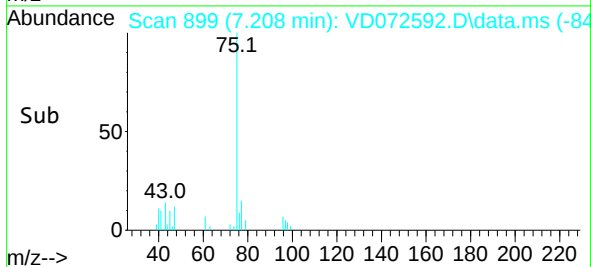
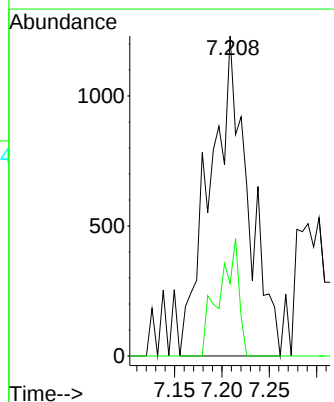
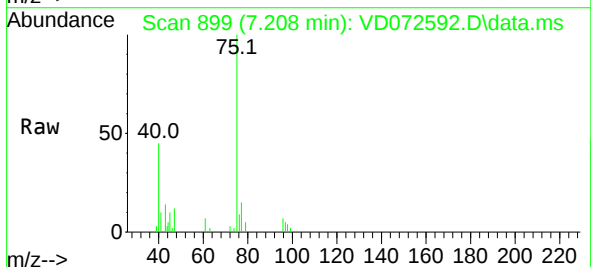
Instrument :
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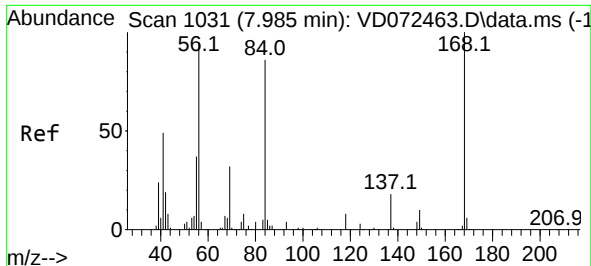
Tgt Ion: 43 Resp: 1661
 Ion Ratio Lower Upper
 43 100
 86 13.5 7.1 10.7#



#25
 2-Butanone
 Concen: 2.347 ug/l
 RT: 7.208 min Scan# 899
 Delta R.T. 0.000 min
 Lab File: VD072592.D
 Acq: 18 Apr 2022 12:11

Tgt Ion: 43 Resp: 3434
 Ion Ratio Lower Upper
 43 100
 72 22.6 18.6 27.8

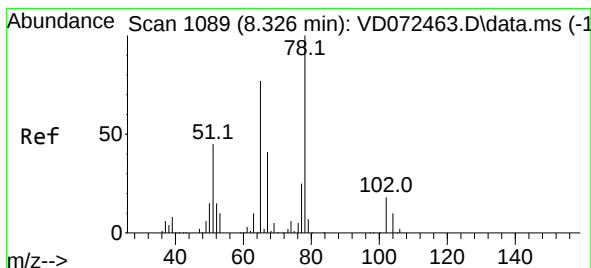
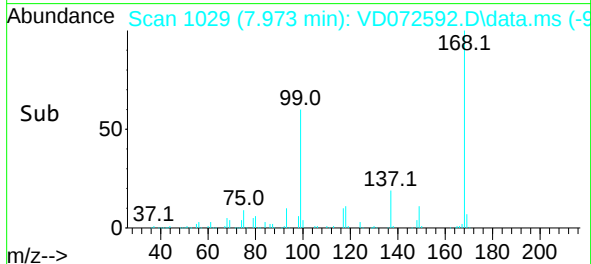
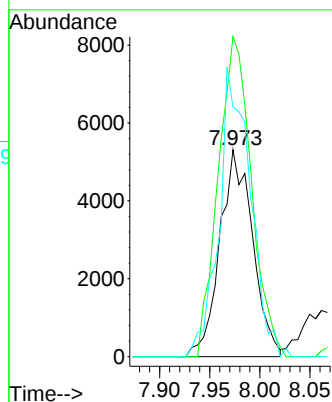
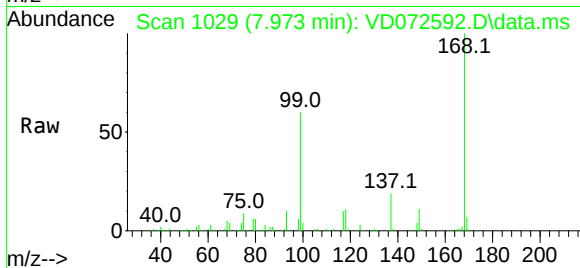




#31
Cyclohexane
Concen: 1.627 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD072592.D
Acq: 18 Apr 2022 12:11

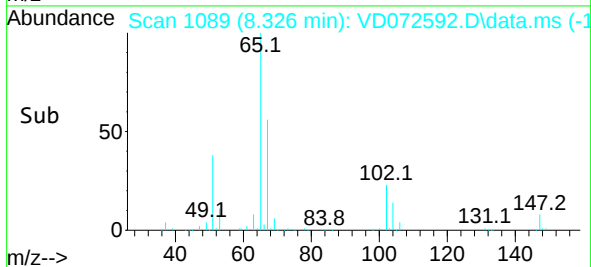
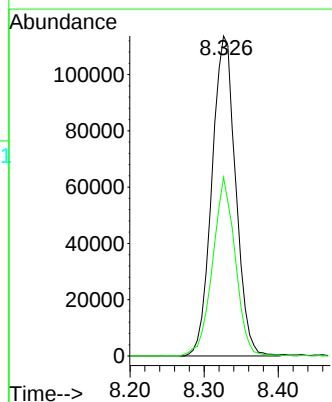
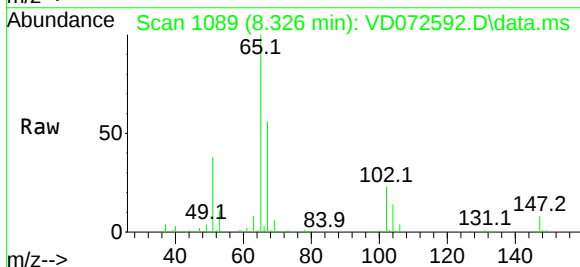
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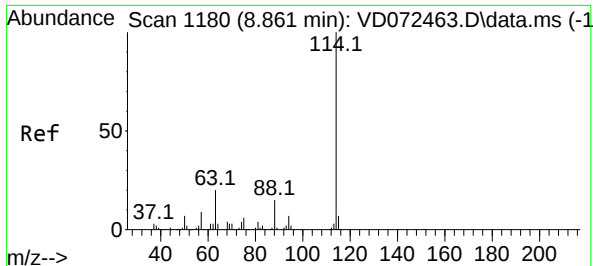
Tgt Ion: 56 Resp: 12074
Ion Ratio Lower Upper
56 100
69 154.7 25.4 38.2#
84 120.6 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 44.624 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD072592.D
Acq: 18 Apr 2022 12:11

Tgt Ion: 65 Resp: 253191
Ion Ratio Lower Upper
65 100
67 53.2 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: VD072592.D

Acq: 18 Apr 2022 12:11

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBL01

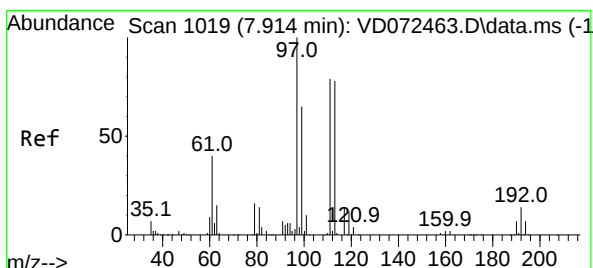
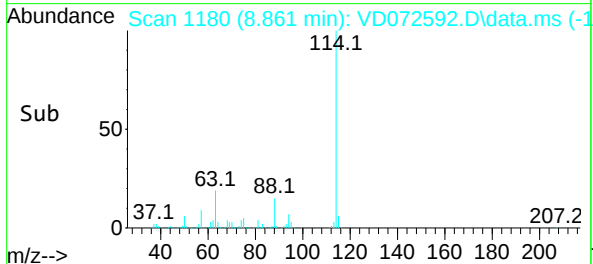
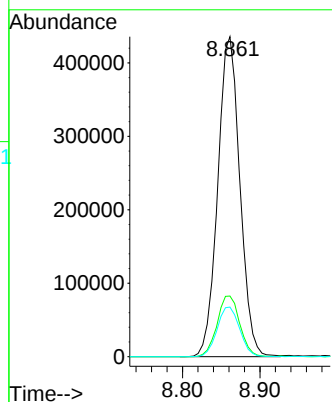
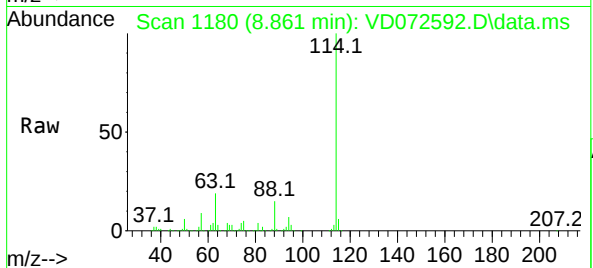
Tgt Ion:114 Resp: 866390

Ion Ratio Lower Upper

114 100

63 19.0 0.0 46.6

88 15.5 0.0 33.2



#35

Dibromofluoromethane

Concen: 42.343 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD072592.D

Acq: 18 Apr 2022 12:11

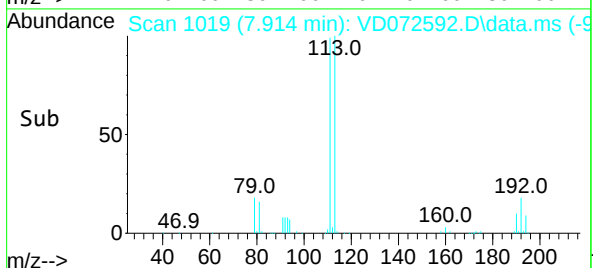
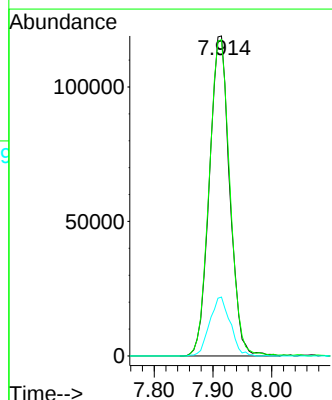
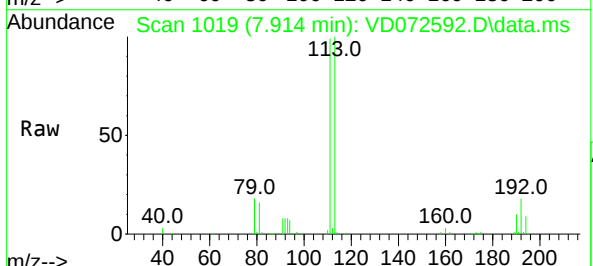
Tgt Ion:113 Resp: 285097

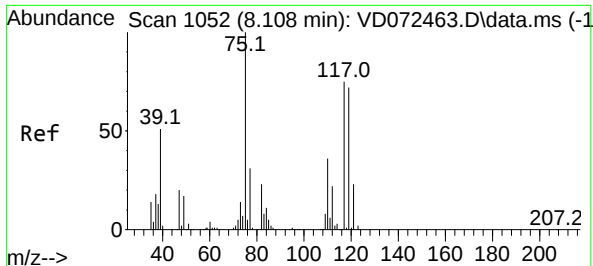
Ion Ratio Lower Upper

113 100

111 101.1 83.8 125.6

192 18.6 14.6 21.8





#36

1,1-Dichloropropene

Concen: 1.369 ug/l

RT: 8.103 min Scan# 1051

Delta R.T. -0.005 min

Lab File: VD072592.D

Acq: 18 Apr 2022 12:11

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ClientSampleId :

VD0418SBL01

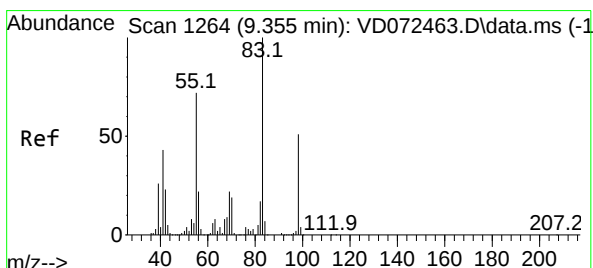
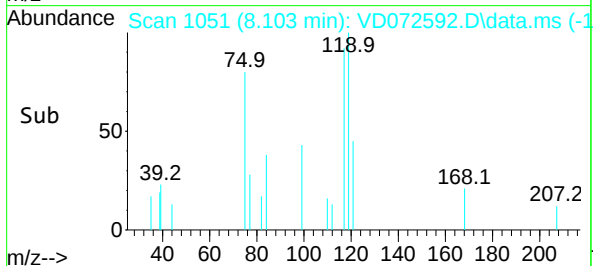
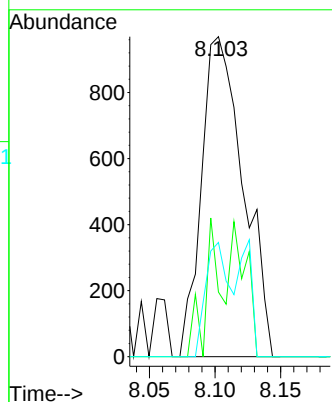
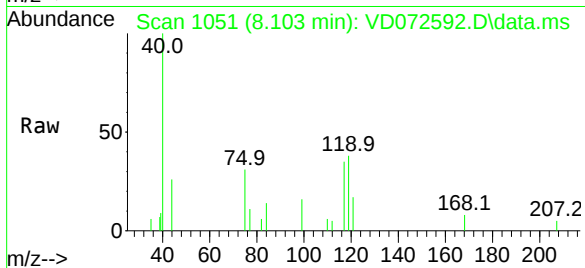
Tgt Ion: 75 Resp: 2159

Ion Ratio Lower Upper

75 100

110 15.7 16.4 49.1#

77 20.4 24.2 36.2#



#39

Methylcyclohexane

Concen: 3.133 ug/l

RT: 9.350 min Scan# 1263

Delta R.T. -0.005 min

Lab File: VD072592.D

Acq: 18 Apr 2022 12:11

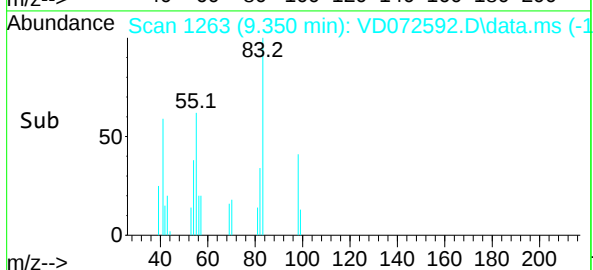
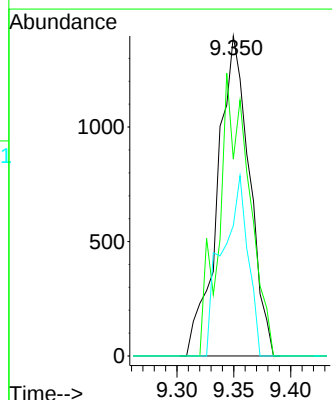
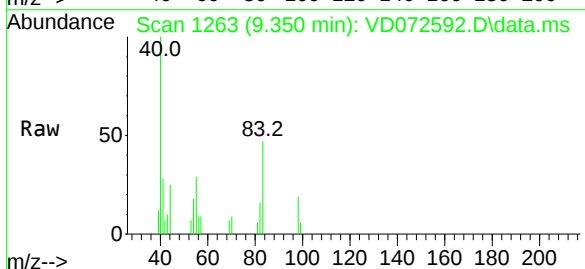
Tgt Ion: 83 Resp: 2729

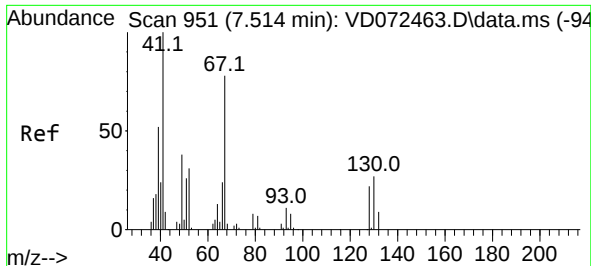
Ion Ratio Lower Upper

83 100

55 61.5 63.2 94.8#

98 40.8 38.2 57.4

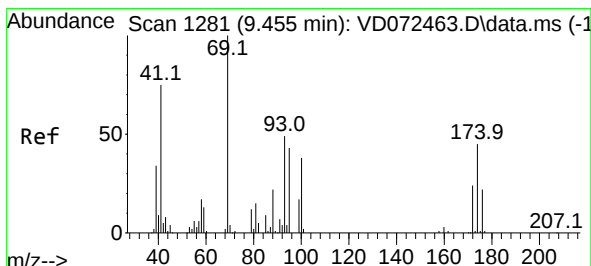
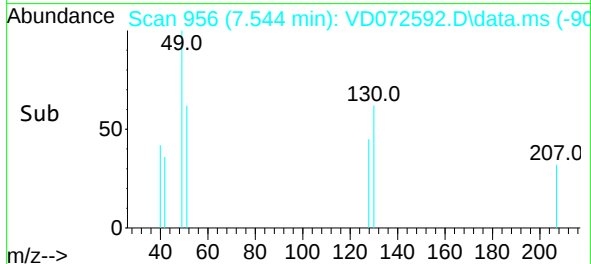
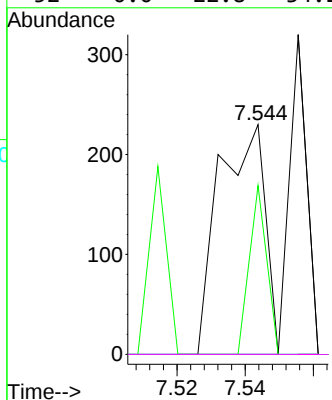
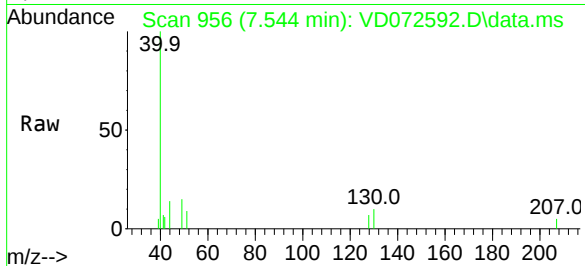




#41
Methacrylonitrile
Concen: 1.758 ug/l
RT: 7.544 min Scan# 91
Delta R.T. 0.030 min
Lab File: VD072592.D
Acq: 18 Apr 2022 12:11

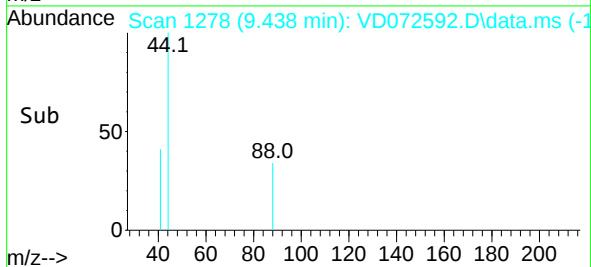
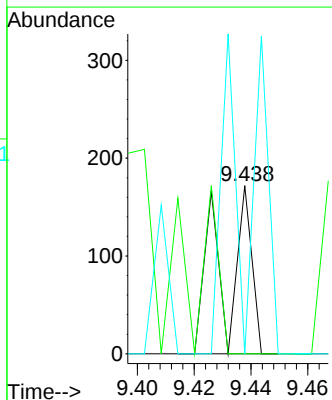
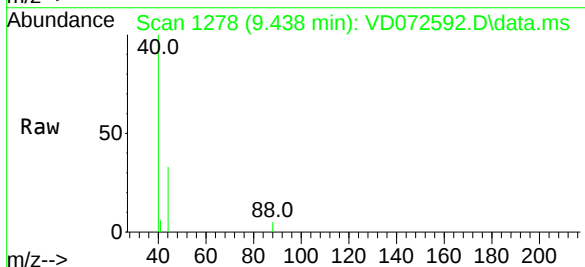
Instrument :
MSVOA_D
ClientSampleId :
VD0418SBL01

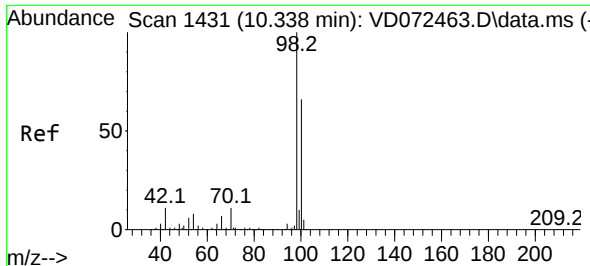
Tgt Ion:	41	Resp:	215
Ion	Ratio	Lower	Upper
41	100		
39	27.9	44.6	67.0#
67	0.0	48.2	72.4#
52	0.0	22.8	34.2#



#49
1,4-Dioxane
Concen: 2.915 ug/l
RT: 9.438 min Scan# 1278
Delta R.T. -0.018 min
Lab File: VD072592.D
Acq: 18 Apr 2022 12:11

Tgt Ion:	88	Resp:	119
Ion	Ratio	Lower	Upper
88	100		
43	0.0	31.0	46.4#
58	193.3	58.1	87.1#

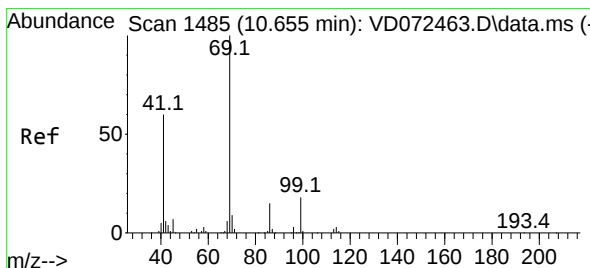
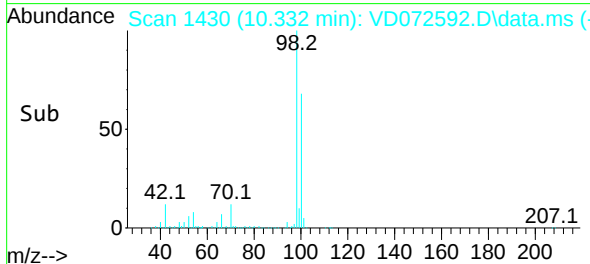
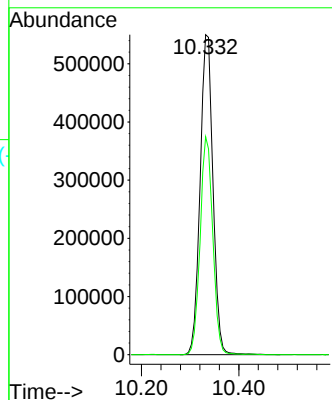
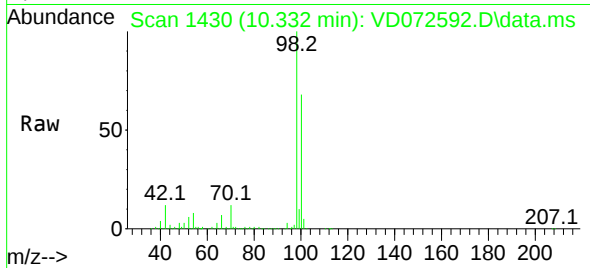




#50
Toluene-d8
Concen: 43.124 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD072592.D
Acq: 18 Apr 2022 12:11

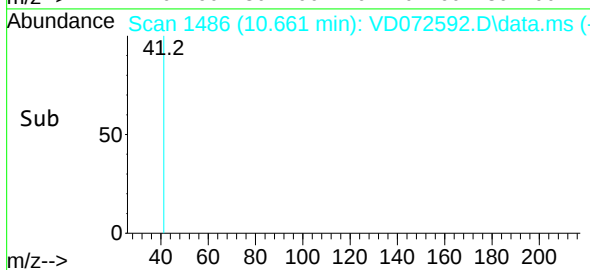
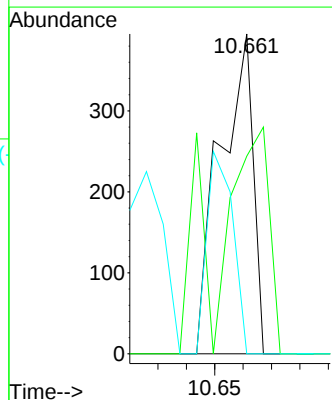
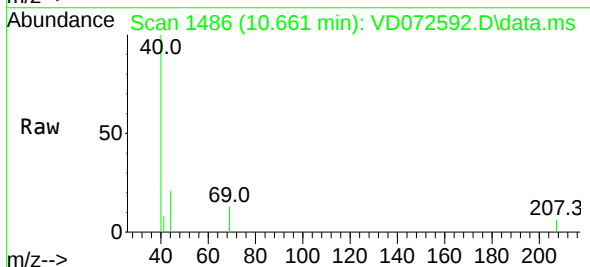
Instrument :
MSVOA_D
ClientSampleId :
VD0418SBL01

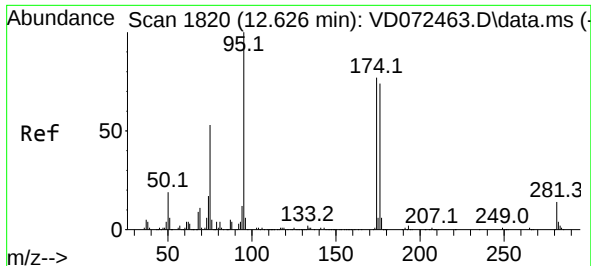
Tgt Ion: 98 Resp: 1009291
Ion Ratio Lower Upper
98 100
100 66.9 52.4 78.6



#56
Ethyl methacrylate
Concen: 1.240 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.006 min
Lab File: VD072592.D
Acq: 18 Apr 2022 12:11

Tgt Ion: 69 Resp: 320
Ion Ratio Lower Upper
69 100
41 79.1 63.0 94.6
39 0.0 33.8 50.8#

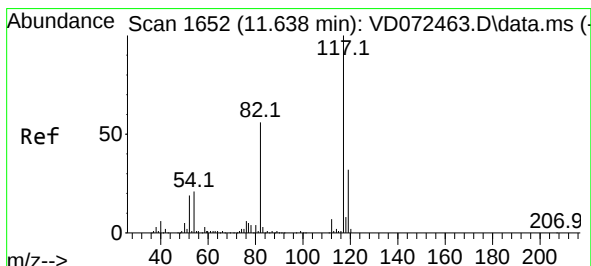
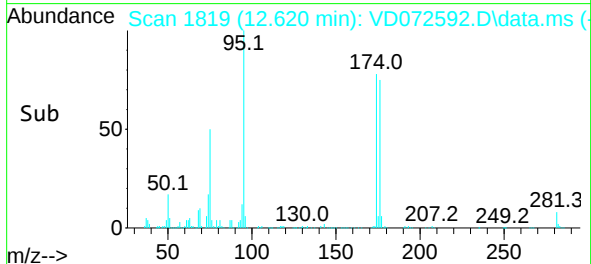
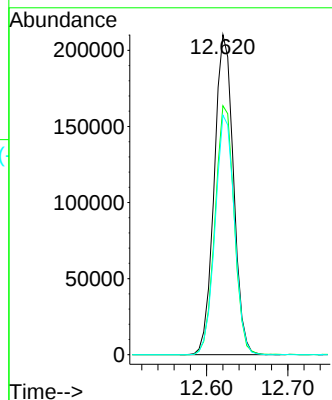
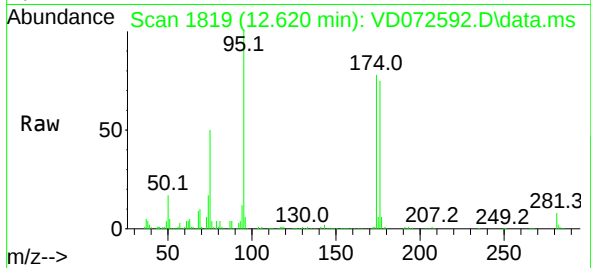




#62
4-Bromofluorobenzene
Concen: 37.886 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072592.D
Acq: 18 Apr 2022 12:11

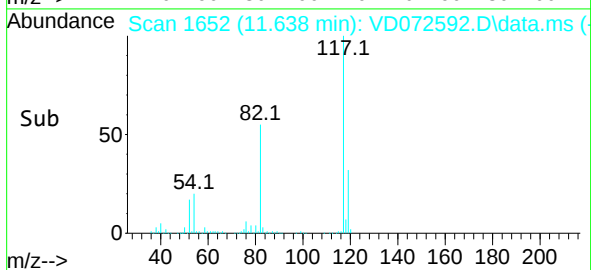
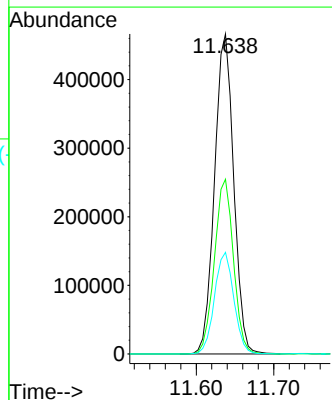
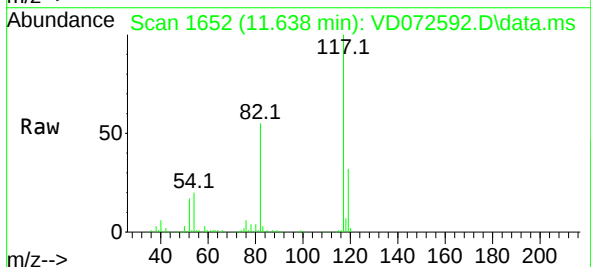
Instrument :
MSVOA_D
ClientSampleId :
VD0418SBL01

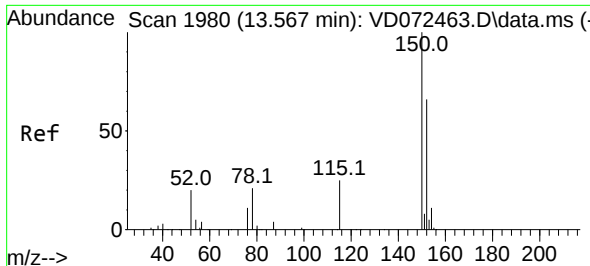
Tgt Ion: 95 Resp: 346293
Ion Ratio Lower Upper
95 100
174 77.5 0.0 152.8
176 74.9 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072592.D
Acq: 18 Apr 2022 12:11

Tgt Ion: 117 Resp: 800369
Ion Ratio Lower Upper
117 100
82 54.6 45.3 67.9
119 31.7 26.6 40.0

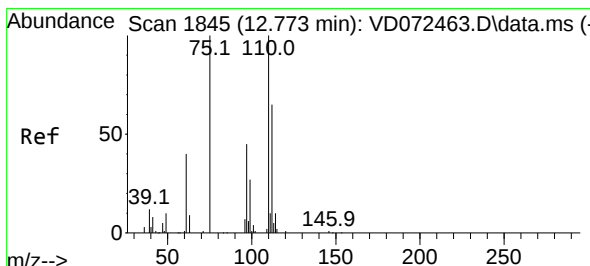
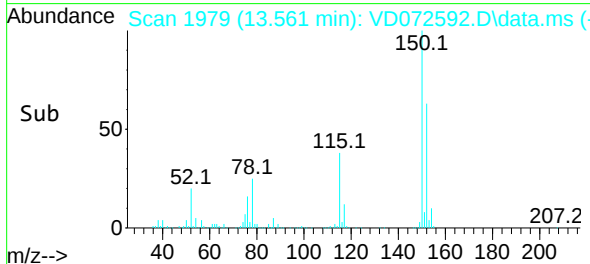
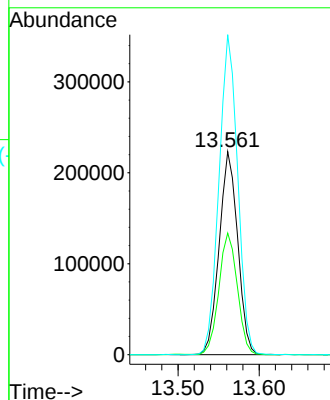
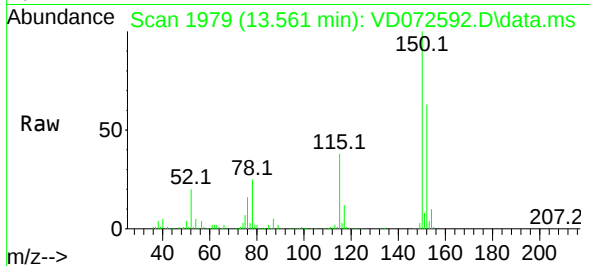




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072592.D
Acq: 18 Apr 2022 12:11

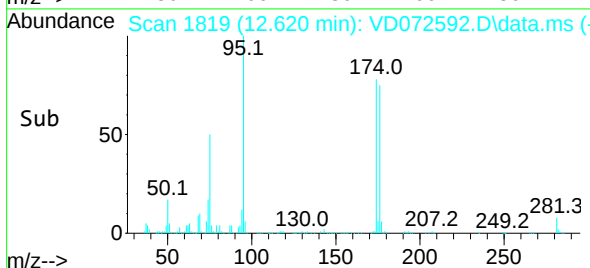
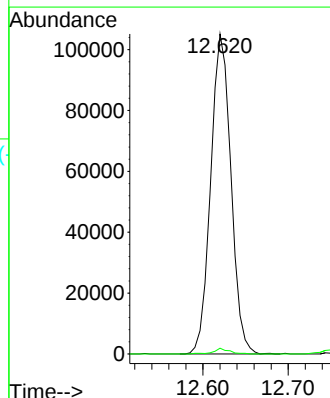
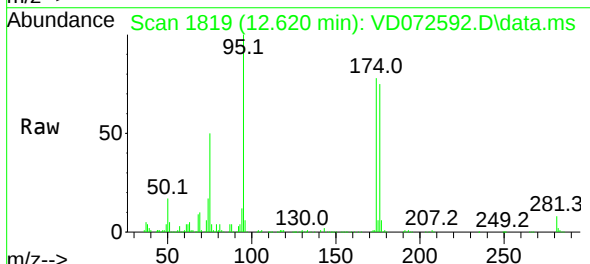
Instrument :
MSVOA_D
ClientSampleId :
VD0418SBL01

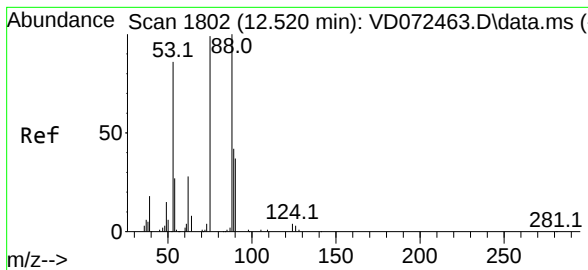
Tgt Ion:152 Resp: 354782
Ion Ratio Lower Upper
152 100
115 59.6 31.3 93.8
150 158.9 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 44.797 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072592.D
Acq: 18 Apr 2022 12:11

Tgt Ion: 75 Resp: 173340
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 109.923 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD072592.D
 Acq: 18 Apr 2022 12:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBL01

Tgt Ion: 75 Resp: 173340
 Ion Ratio Lower Upper
 75 100
 53 0.2 86.5 129.7#
 89 0.1 33.9 50.9#

