

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042522\
 Data File : VD072702.D
 Acq On : 25 Apr 2022 10:30
 Operator : VA/SY
 Sample : VD0425SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0425SBL01

Quant Time: Apr 26 01:12:55 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)

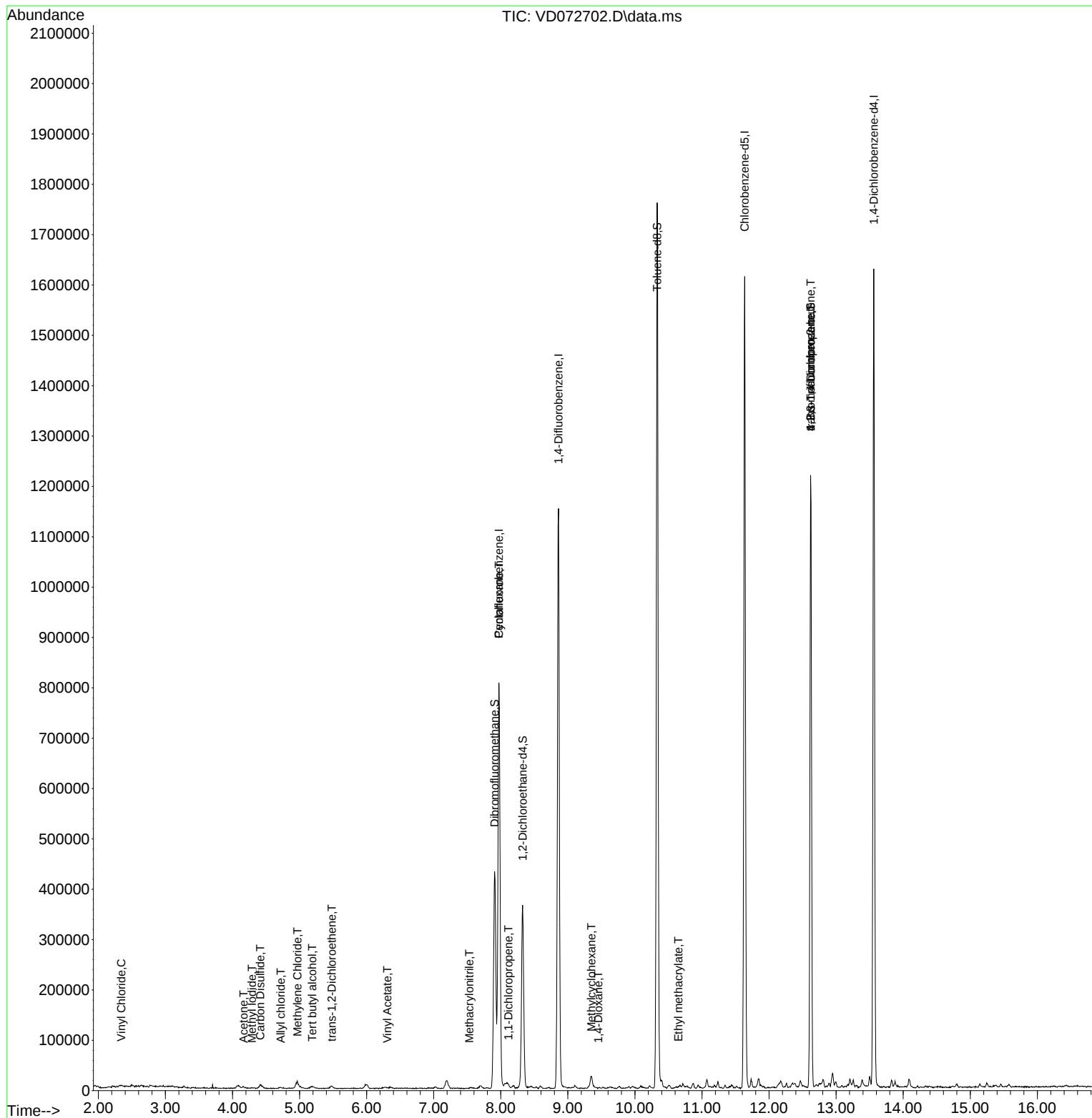
Internal Standards						
1) Pentafluorobenzene	7.973	168	567967	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	991531	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	923725	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	418844	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	291813	42.472	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	84.940%		
35) Dibromofluoromethane	7.908	113	315514	40.946	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	81.900%		
50) Toluene-d8	10.332	98	1186309	44.290	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	88.580%		
62) 4-Bromofluorobenzene	12.620	95	420594	40.207	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	80.420%		
Target Compounds						Qvalue
4) Vinyl Chloride	2.344	62	1839	1.327	ug/l #	84
10) Methyl Iodide	4.291	142	2637	4.132	ug/l #	51
11) Tert butyl alcohol	5.191	59	3213	8.855	ug/l #	80
14) Allyl chloride	4.720	41	2070	1.353	ug/l #	84
16) Acetone	4.167	43	5170	4.035	ug/l #	88
17) Carbon Disulfide	4.414	76	7587	4.263	ug/l	96
20) Methylene Chloride	4.967	84	9284	1.217	ug/l #	81
21) trans-1,2-Dichloroethene	5.479	96	1648	1.015	ug/l #	71
23) Vinyl Acetate	6.308	43	3127	6.565	ug/l #	75
31) Cyclohexane	7.973	56	17067	1.900	ug/l #	7
36) 1,1-Dichloropropene	8.114	75	3479	1.469	ug/l #	66
39) Methylcyclohexane	9.349	83	9744	3.677	ug/l	93
41) Methacrylonitrile	7.532	41	62	1.683	ug/l #	30
49) 1,4-Dioxane	9.455	88	59	1.263	ug/l #	1
56) Ethyl methacrylate	10.649	69	1069	1.333	ug/l #	31
76) 1,2,3-Trichloropropane	12.620	75	214277	46.906	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	214277	115.100	ug/l #	7

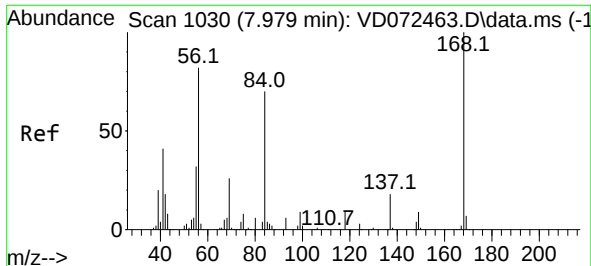
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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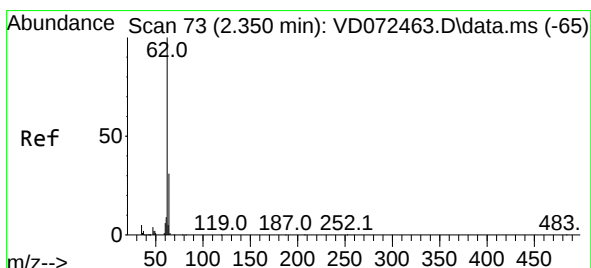
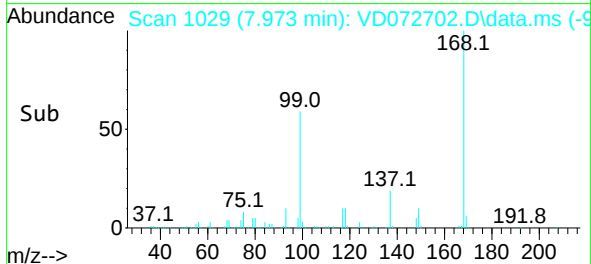
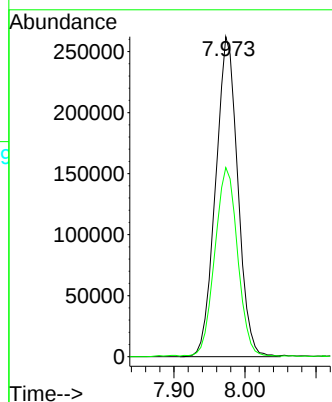
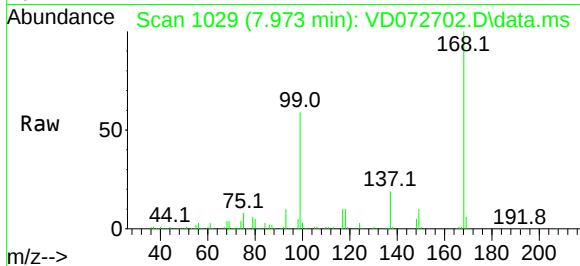




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD072702.D
Acq: 25 Apr 2022 10:30

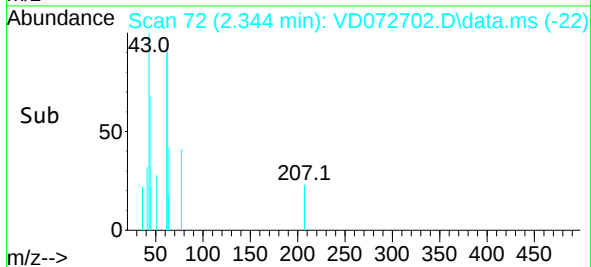
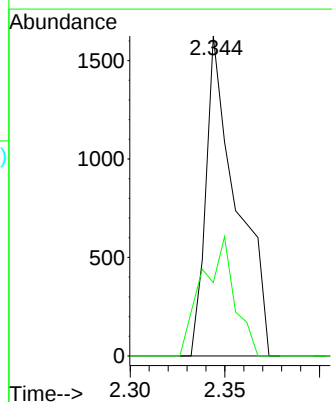
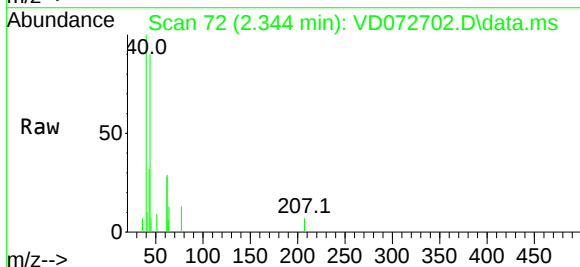
Instrument :
MSVOA_D
ClientSampleId :
VD0425SBL01

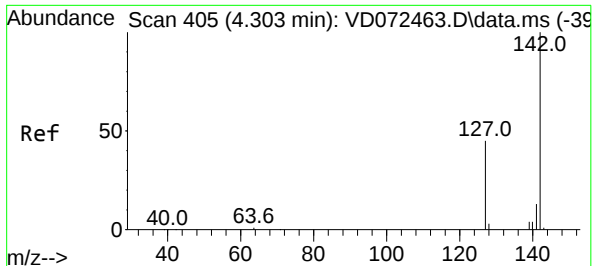
Tgt Ion:168 Resp: 567967
Ion Ratio Lower Upper
168 100
99 58.9 49.8 74.6



#4
Vinyl Chloride
Concen: 1.327 ug/l
RT: 2.344 min Scan# 72
Delta R.T. -0.006 min
Lab File: VD072702.D
Acq: 25 Apr 2022 10:30

Tgt Ion: 62 Resp: 1839
Ion Ratio Lower Upper
62 100
64 23.0 25.4 38.0#

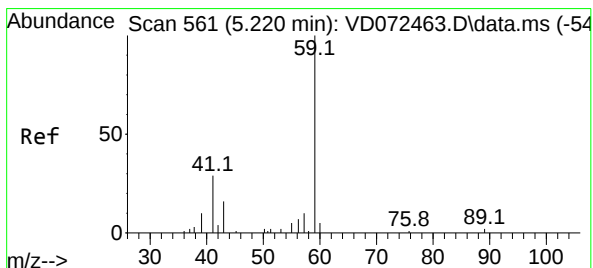
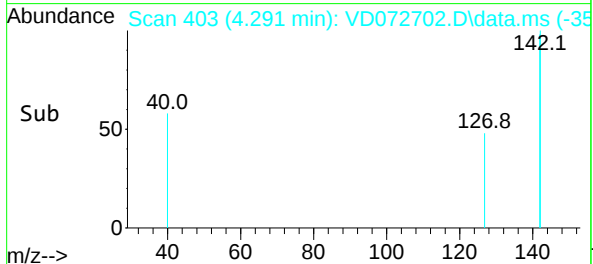
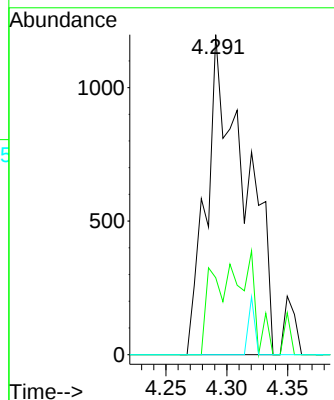
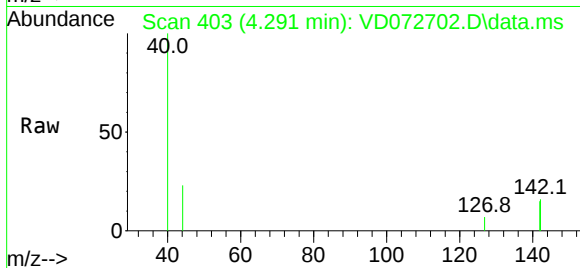




#10
Methyl Iodide
Concen: 4.132 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD072702.D
Acq: 25 Apr 2022 10:30

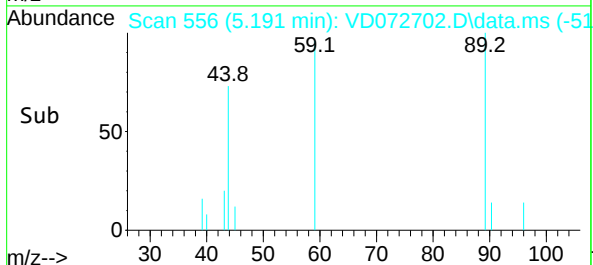
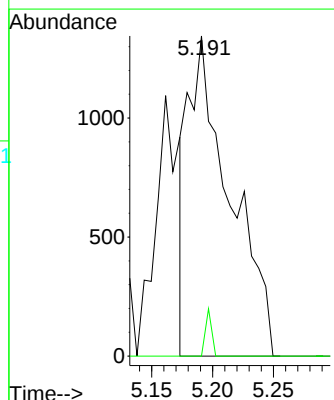
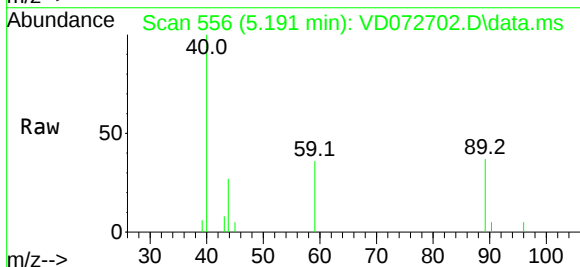
Instrument :
MSVOA_D
ClientSampleId :
VD0425SBL01

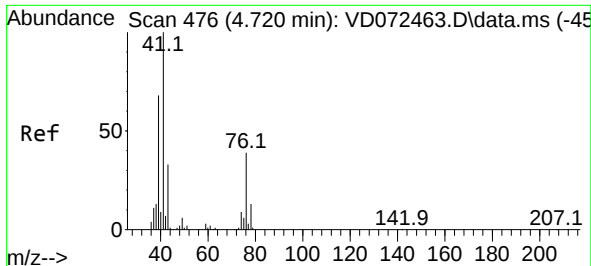
Tgt Ion:142 Resp: 2637
Ion Ratio Lower Upper
142 100
127 10.8 37.3 55.9#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 8.855 ug/l
RT: 5.191 min Scan# 556
Delta R.T. -0.030 min
Lab File: VD072702.D
Acq: 25 Apr 2022 10:30

Tgt Ion: 59 Resp: 3213
Ion Ratio Lower Upper
59 100
57 2.2 7.8 11.6#

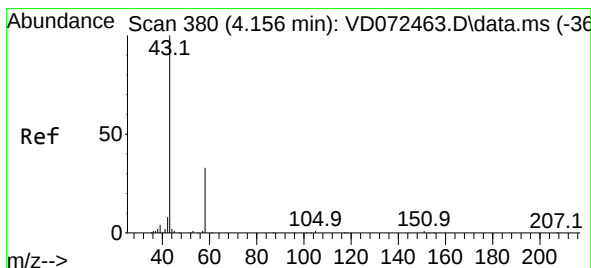
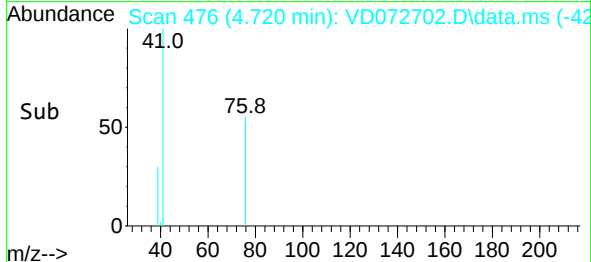
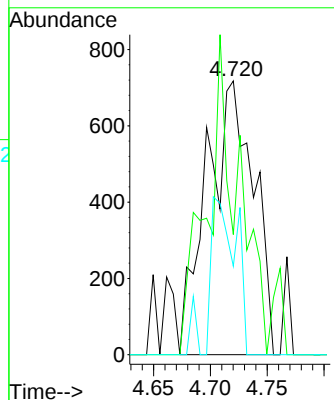
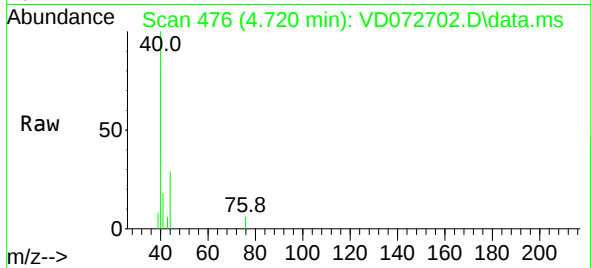




#14
 Allyl chloride
 Concen: 1.353 ug/l
 RT: 4.720 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VD072702.D
 Acq: 25 Apr 2022 10:30

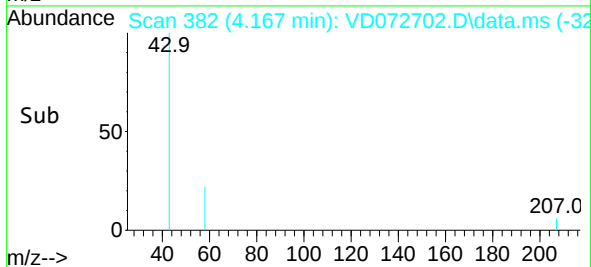
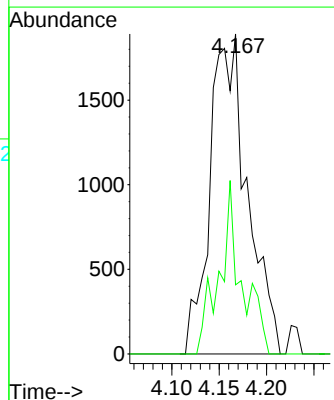
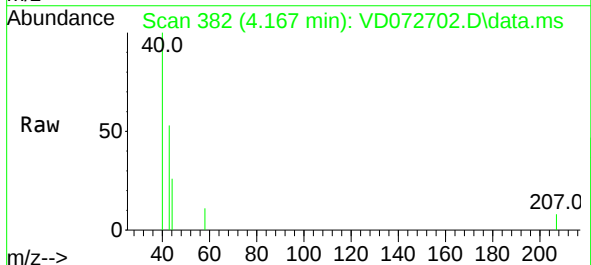
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0425SBL01

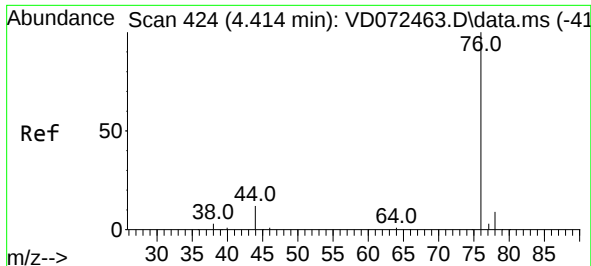
Tgt Ion: 41 Resp: 2070
 Ion Ratio Lower Upper
 41 100
 39 54.5 59.3 88.9#
 76 32.4 25.7 38.5



#16
 Acetone
 Concen: 4.035 ug/l
 RT: 4.167 min Scan# 382
 Delta R.T. 0.012 min
 Lab File: VD072702.D
 Acq: 25 Apr 2022 10:30

Tgt Ion: 43 Resp: 5170
 Ion Ratio Lower Upper
 43 100
 58 21.6 22.1 33.1#

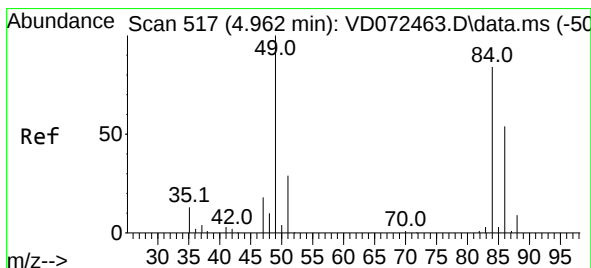
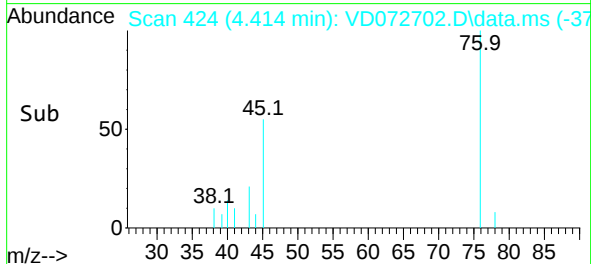
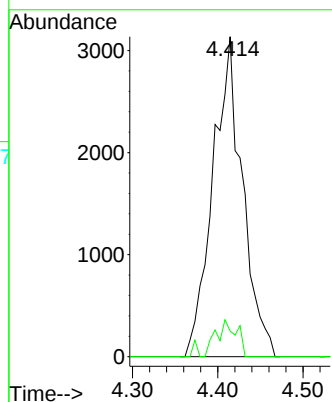
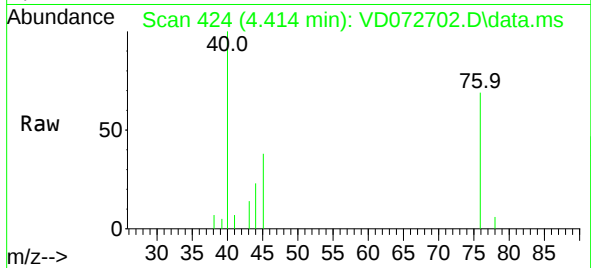




#17
Carbon Disulfide
Concen: 4.263 ug/l
RT: 4.414 min Scan# 41
Delta R.T. 0.000 min
Lab File: VD072702.D
Acq: 25 Apr 2022 10:30

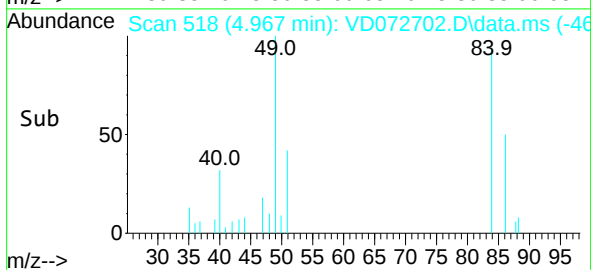
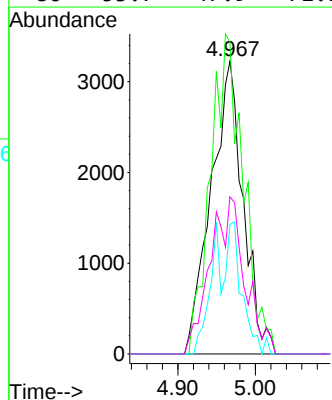
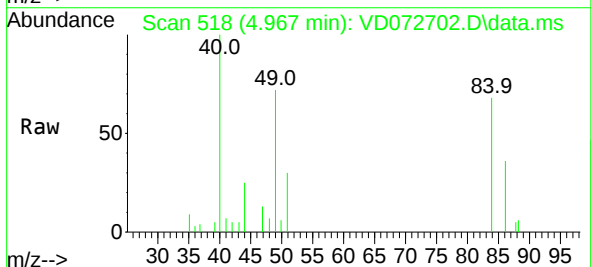
Instrument :
MSVOA_D
ClientSampleId :
VD0425SBL01

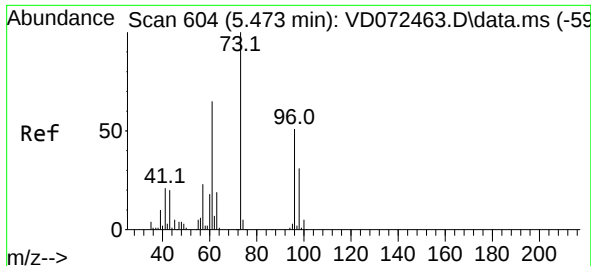
Tgt Ion: 76 Resp: 7587
Ion Ratio Lower Upper
76 100
78 8.0 7.5 11.3



#20
Methylene Chloride
Concen: 1.217 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD072702.D
Acq: 25 Apr 2022 10:30

Tgt Ion: 84 Resp: 9284
Ion Ratio Lower Upper
84 100
49 106.5 112.8 169.2#
51 44.2 32.6 48.8
86 53.7 47.9 71.9

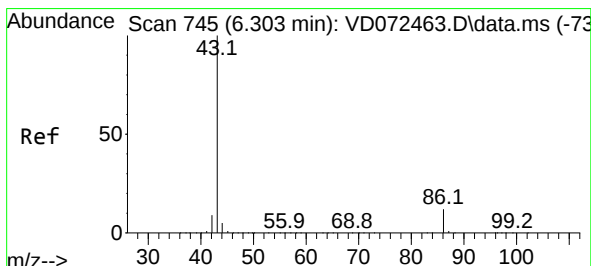
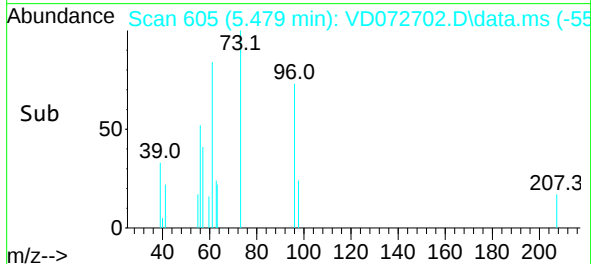
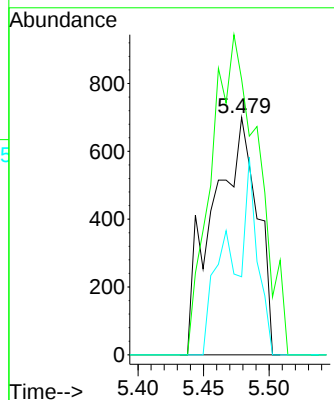
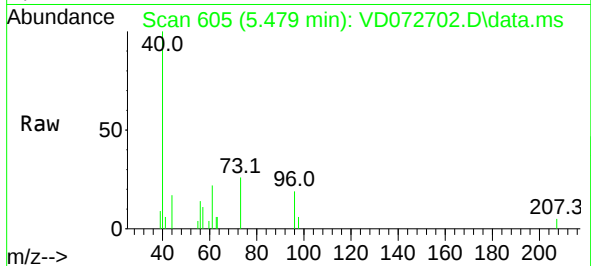




#21
trans-1,2-Dichloroethene
Concen: 1.015 ug/l
RT: 5.479 min Scan# 604
Delta R.T. 0.006 min
Lab File: VD072702.D
Acq: 25 Apr 2022 10:30

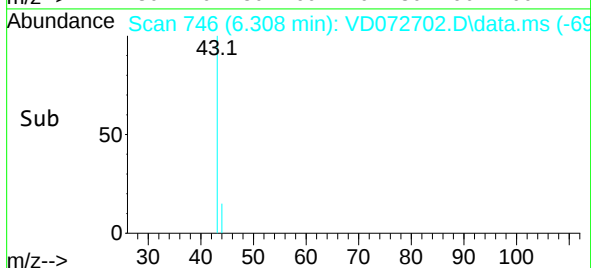
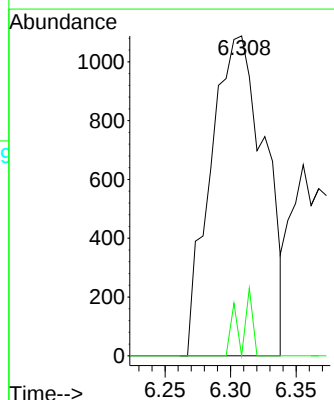
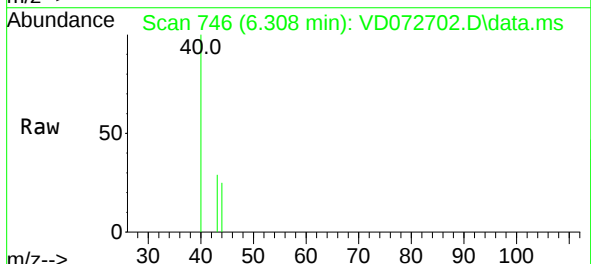
Instrument :
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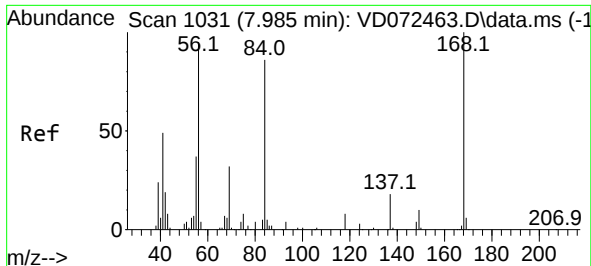
Tgt Ion: 96 Resp: 1648
Ion Ratio Lower Upper
96 100
61 116.0 117.9 176.9#
98 32.9 49.4 74.2#



#23
Vinyl Acetate
Concen: 6.565 ug/l
RT: 6.308 min Scan# 746
Delta R.T. 0.005 min
Lab File: VD072702.D
Acq: 25 Apr 2022 10:30

Tgt Ion: 43 Resp: 3127
Ion Ratio Lower Upper
43 100
86 0.0 7.1 10.7#

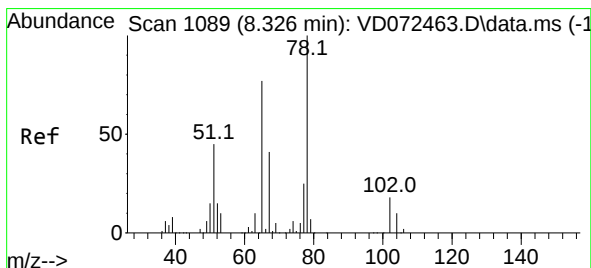
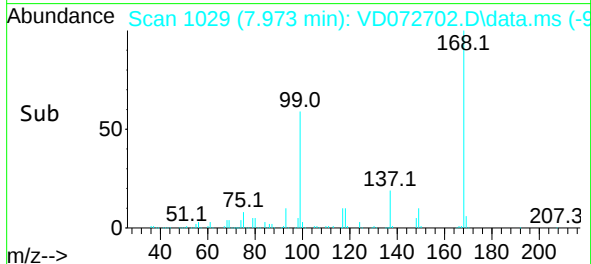
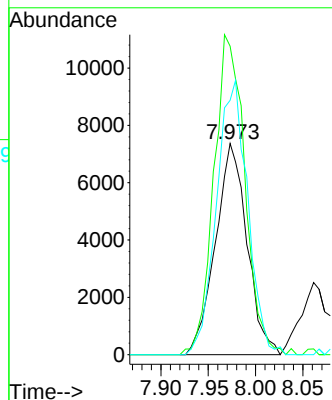
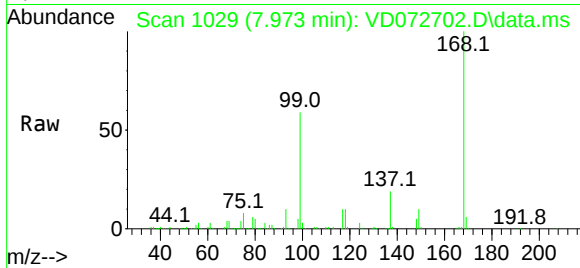




#31
Cyclohexane
Concen: 1.900 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD072702.D
Acq: 25 Apr 2022 10:30

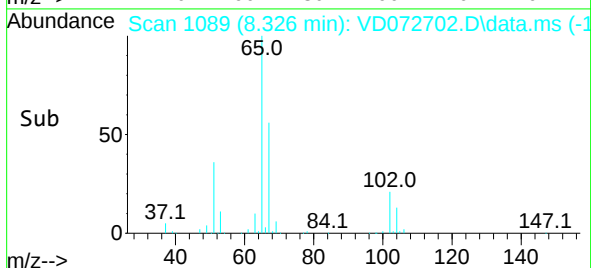
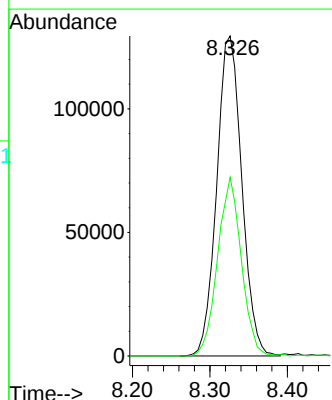
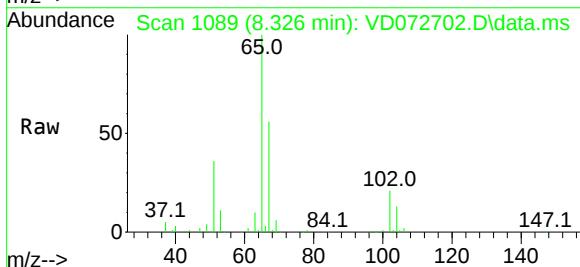
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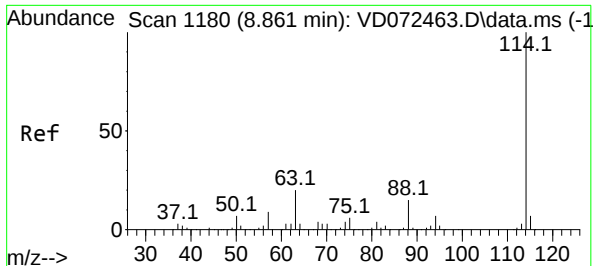
Tgt Ion: 56 Resp: 17067
Ion Ratio Lower Upper
56 100
69 146.1 25.4 38.2#
84 120.4 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 42.472 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD072702.D
Acq: 25 Apr 2022 10:30

Tgt Ion: 65 Resp: 291813
Ion Ratio Lower Upper
65 100
67 52.9 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: VD072702.D

Acq: 25 Apr 2022 10:30

Instrument :

MSVOA_D

ClientSampleId :

VD0425SBL01

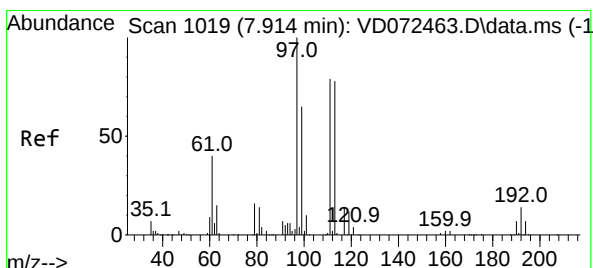
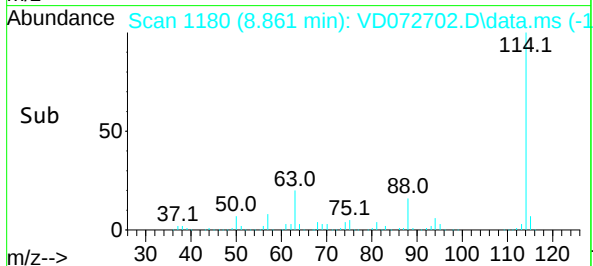
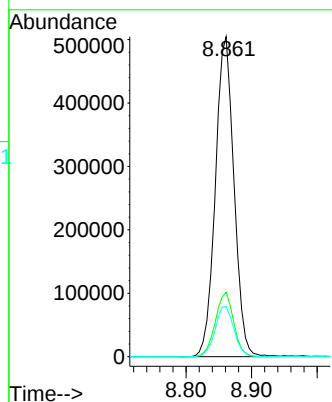
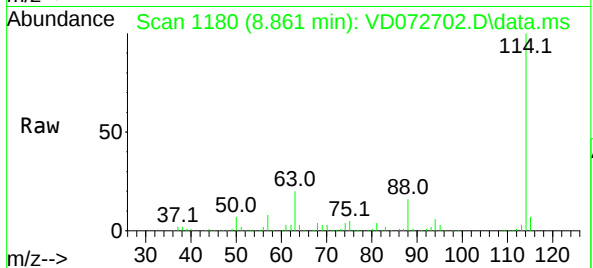
Tgt Ion:114 Resp: 991531

Ion Ratio Lower Upper

114 100

63 20.1 0.0 46.6

88 15.7 0.0 33.2



#35

Dibromofluoromethane

Concen: 40.946 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD072702.D

Acq: 25 Apr 2022 10:30

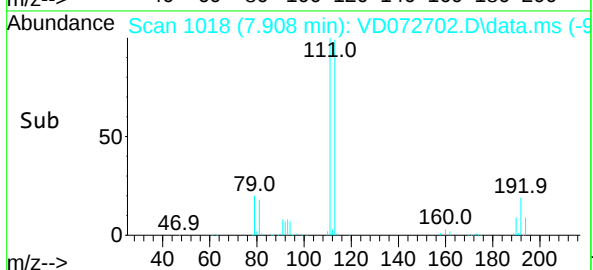
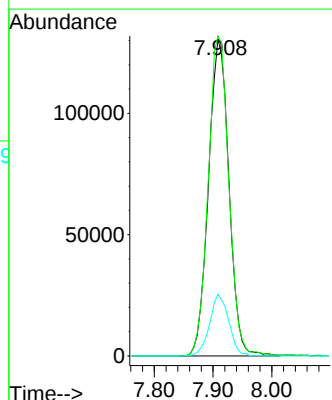
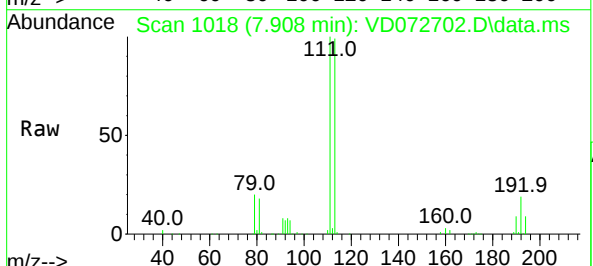
Tgt Ion:113 Resp: 315514

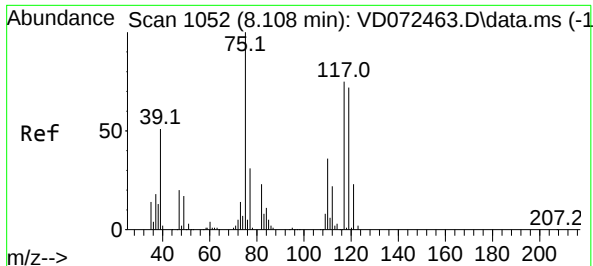
Ion Ratio Lower Upper

113 100

111 102.0 83.8 125.6

192 18.1 14.6 21.8





#36

1,1-Dichloropropene

Concen: 1.469 ug/l

RT: 8.114 min Scan# 1053

Delta R.T. 0.006 min

Lab File: VD072702.D

Acq: 25 Apr 2022 10:30

Instrument :

MSVOA_D

ClientSampleId :

VD0425SBL01

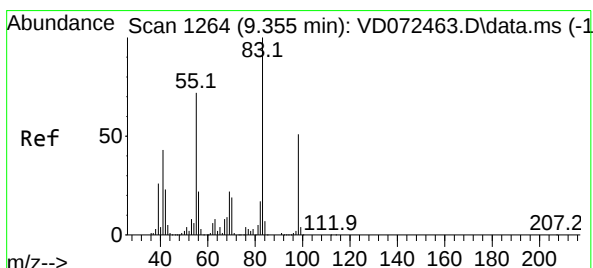
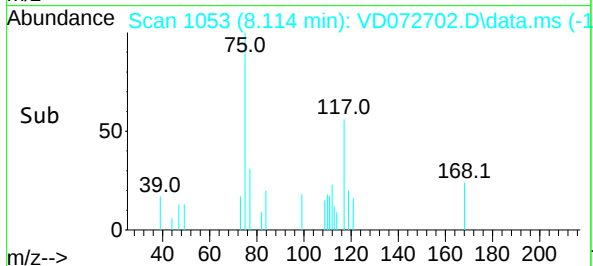
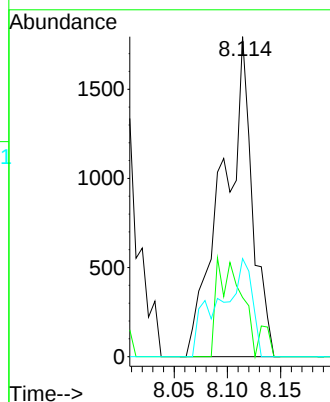
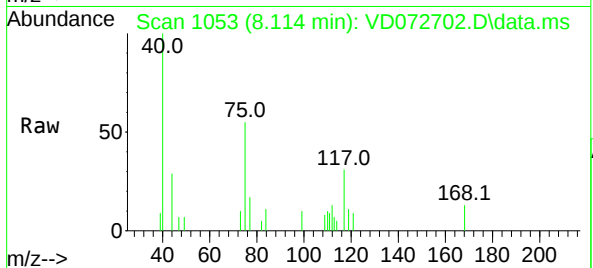
Tgt Ion: 75 Resp: 3479

Ion Ratio Lower Upper

75 100

110 0.0 16.4 49.1#

77 26.0 24.2 36.2



#39

Methylcyclohexane

Concen: 3.677 ug/l

RT: 9.349 min Scan# 1263

Delta R.T. -0.006 min

Lab File: VD072702.D

Acq: 25 Apr 2022 10:30

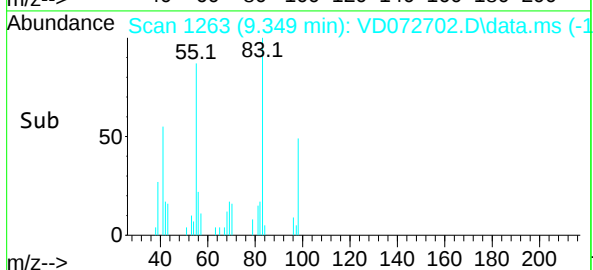
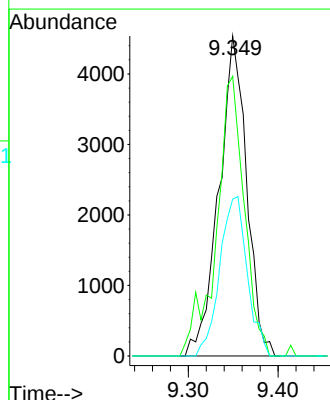
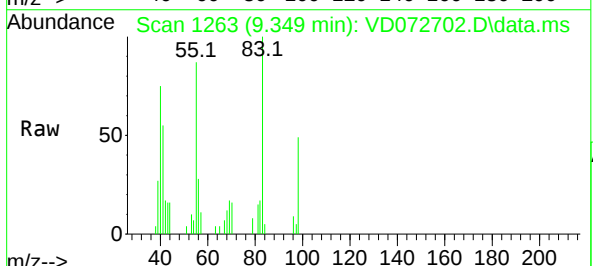
Tgt Ion: 83 Resp: 9744

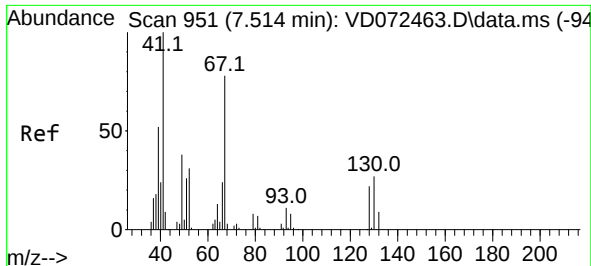
Ion Ratio Lower Upper

83 100

55 87.4 63.2 94.8

98 49.0 38.2 57.4

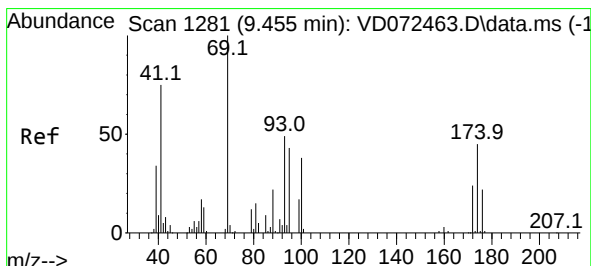
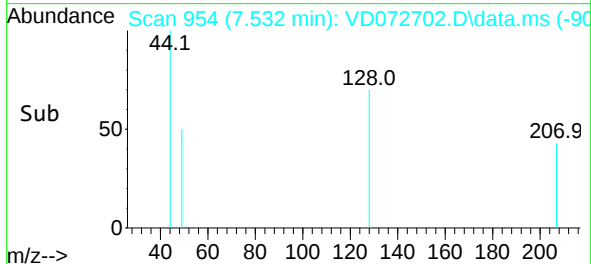
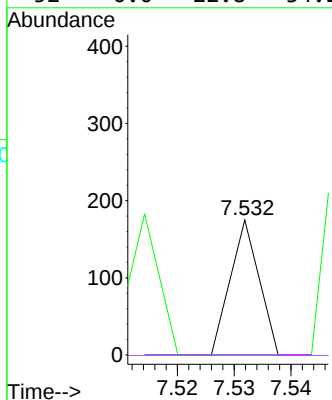
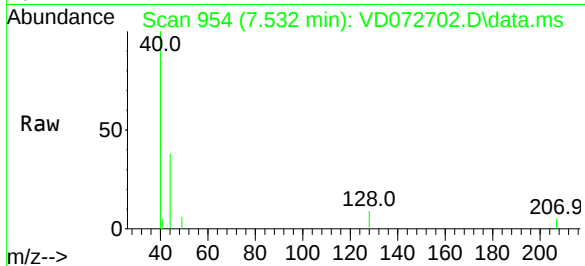




#41
Methacrylonitrile
Concen: 1.683 ug/l
RT: 7.532 min Scan# 91
Delta R.T. 0.018 min
Lab File: VD072702.D
Acq: 25 Apr 2022 10:30

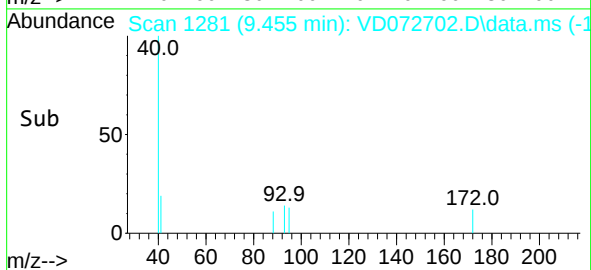
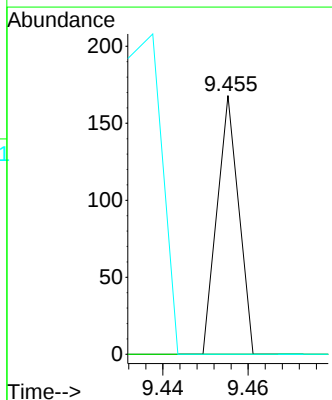
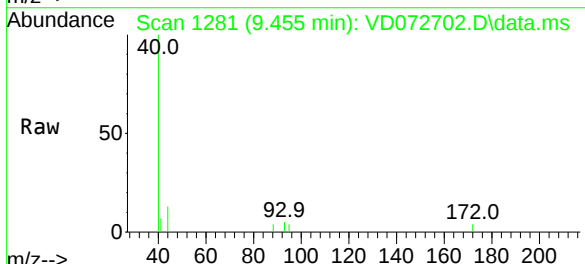
Instrument :
MSVOA_D
ClientSampleId :
VD0425SBL01

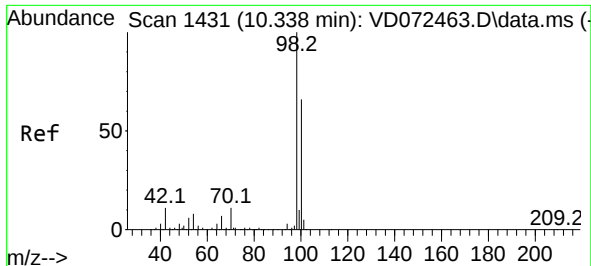
Tgt Ion: 41	Resp: 62
Ion Ratio	Lower Upper
41 100	
39 104.8	44.6 67.0#
67 0.0	48.2 72.4#
52 0.0	22.8 34.2#



#49
1,4-Dioxane
Concen: 1.263 ug/l
RT: 9.455 min Scan# 1281
Delta R.T. -0.000 min
Lab File: VD072702.D
Acq: 25 Apr 2022 10:30

Tgt Ion: 88	Resp: 59
Ion Ratio	Lower Upper
88 100	
43 0.0	31.0 46.4#
58 239.0	58.1 87.1#

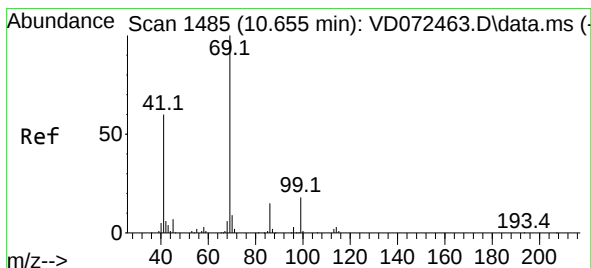
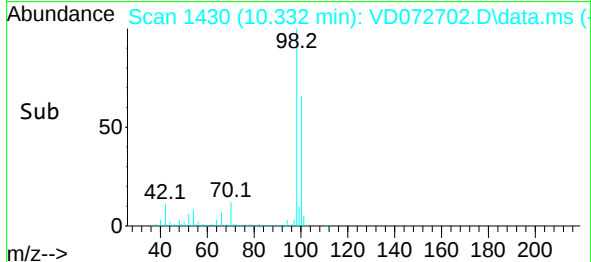
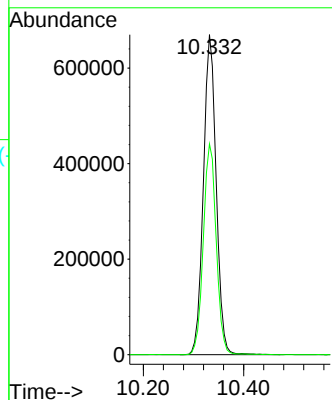
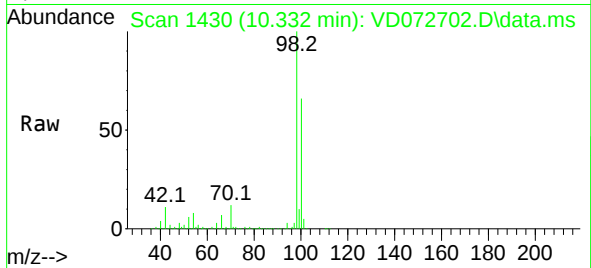




#50
Toluene-d8
Concen: 44.290 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD072702.D
Acq: 25 Apr 2022 10:30

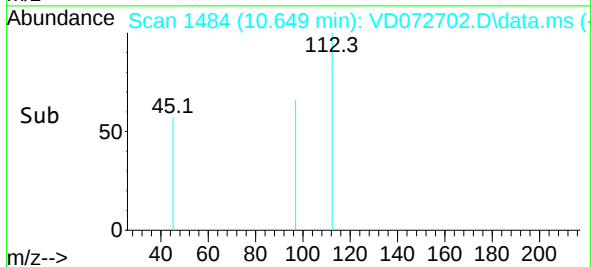
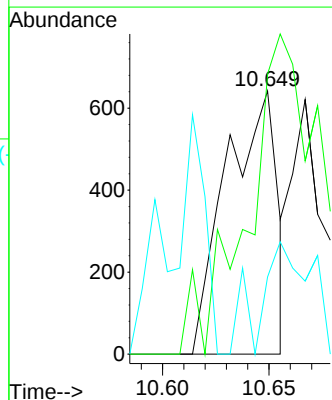
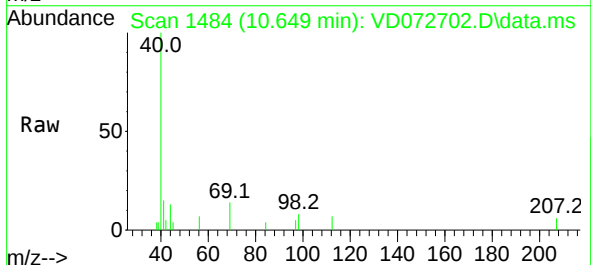
Instrument :
MSVOA_D
ClientSampleId :
VD0425SBL01

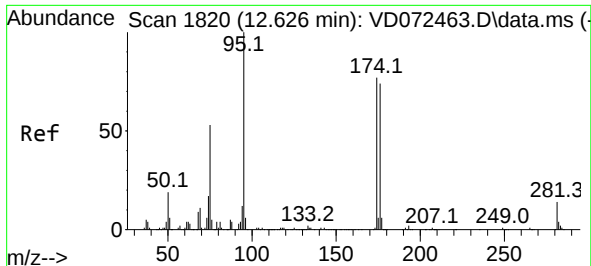
Tgt Ion: 98 Resp: 1186309
Ion Ratio Lower Upper
98 100
100 66.8 52.4 78.6



#56
Ethyl methacrylate
Concen: 1.333 ug/l
RT: 10.649 min Scan# 1484
Delta R.T. -0.006 min
Lab File: VD072702.D
Acq: 25 Apr 2022 10:30

Tgt Ion: 69 Resp: 1069
Ion Ratio Lower Upper
69 100
41 171.7 63.0 94.6#
39 42.9 33.8 50.8

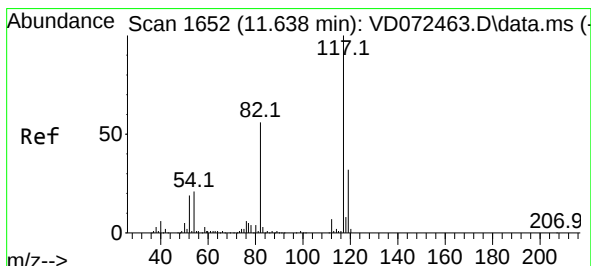
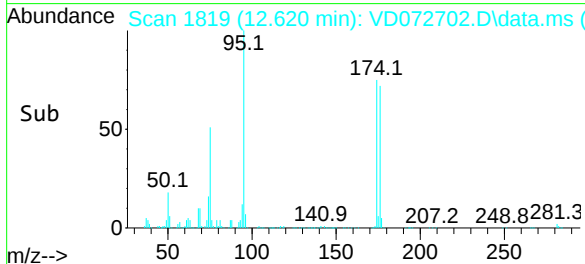
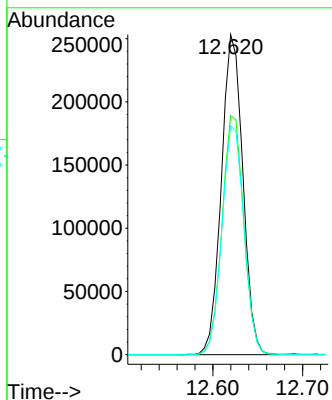
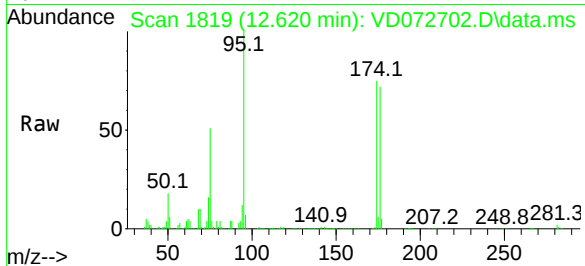




#62
4-Bromofluorobenzene
Concen: 40.207 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072702.D
Acq: 25 Apr 2022 10:30

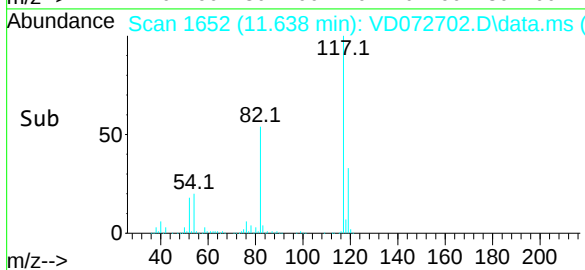
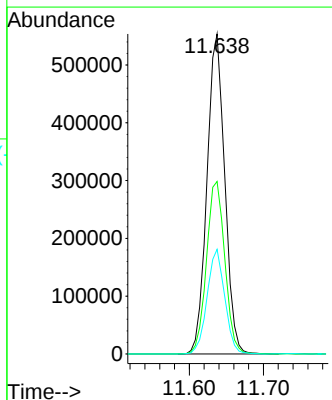
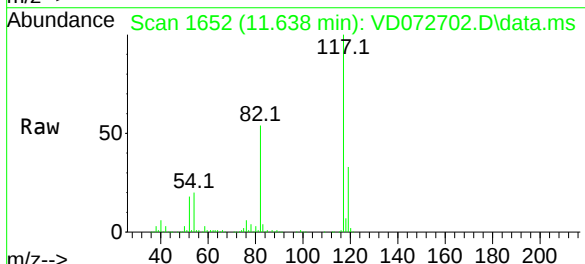
Instrument :
MSVOA_D
ClientSampleId :
VD0425SBL01

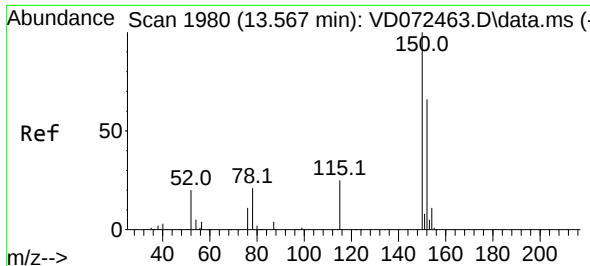
Tgt Ion: 95 Resp: 420594
Ion Ratio Lower Upper
95 100
174 75.9 0.0 152.8
176 73.4 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072702.D
Acq: 25 Apr 2022 10:30

Tgt Ion: 117 Resp: 923725
Ion Ratio Lower Upper
117 100
82 53.9 45.3 67.9
119 32.7 26.6 40.0

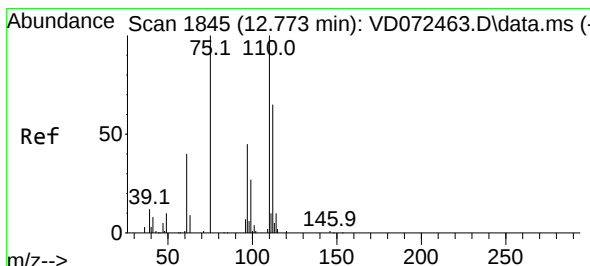
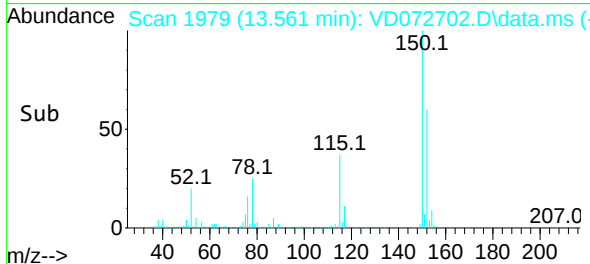
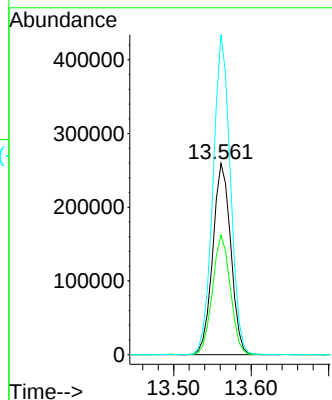
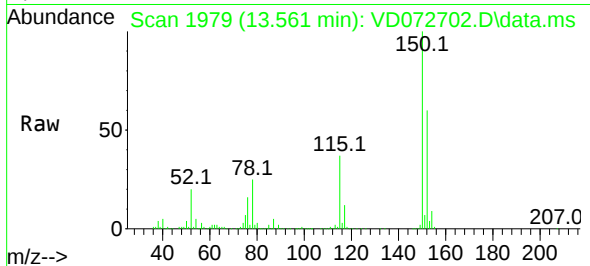




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072702.D
Acq: 25 Apr 2022 10:30

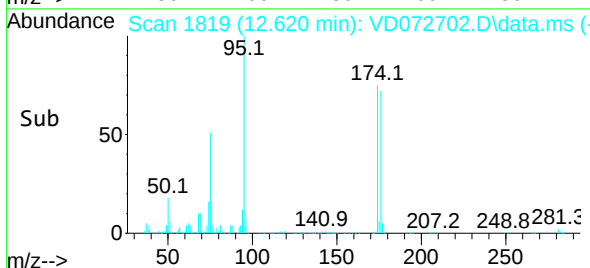
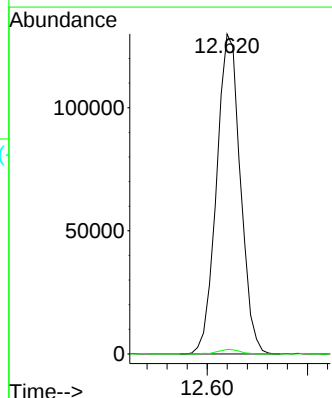
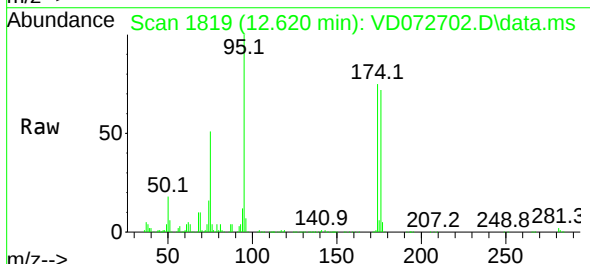
Instrument :
MSVOA_D
ClientSampleId :
VD0425SBL01

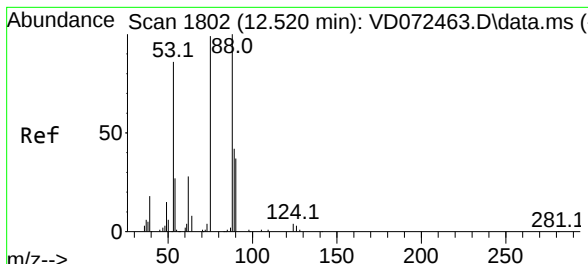
Tgt Ion:152 Resp: 418844
Ion Ratio Lower Upper
152 100
115 61.8 31.3 93.8
150 161.3 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 46.906 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072702.D
Acq: 25 Apr 2022 10:30

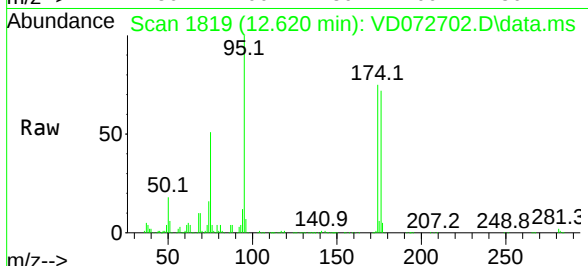
Tgt Ion: 75 Resp: 214277
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 115.100 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD072702.D
 Acq: 25 Apr 2022 10:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0425SBL01



Tgt Ion: 75 Resp: 214277
 Ion Ratio Lower Upper
 75 100
 53 0.1 86.5 129.7#
 89 0.0 33.9 50.9#

