

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042222\
 Data File : VD072686.D
 Acq On : 22 Apr 2022 11:28
 Operator : VA/SY
 Sample : VD0422SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0422SBL01

Quant Time: Apr 22 23:43:26 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)

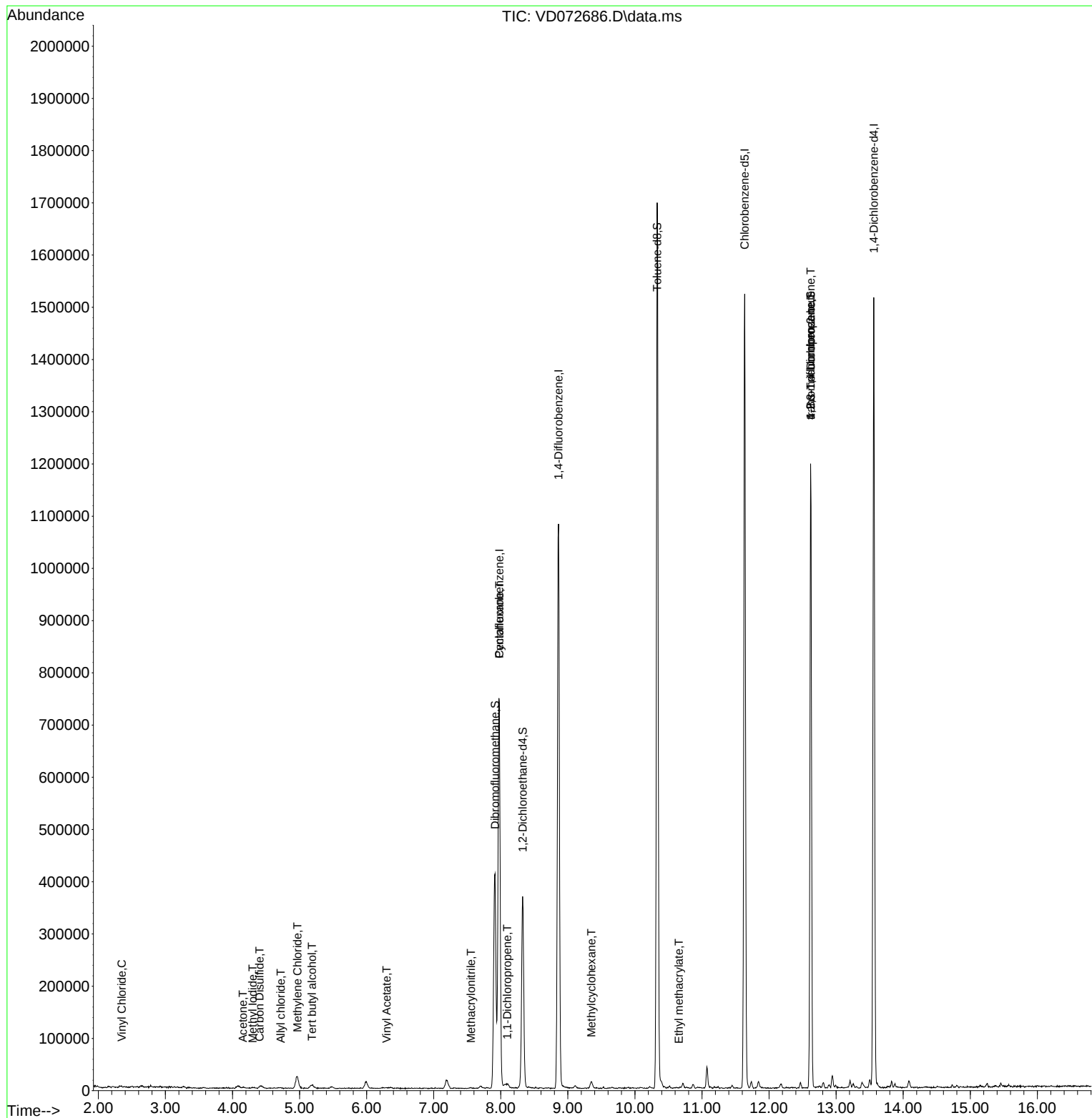
Internal Standards						
1) Pentafluorobenzene	7.979	168	538538	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	954286	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	901255	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	403866	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	289225	44.396	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.800%		
35) Dibromofluoromethane	7.914	113	300450	40.513	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	81.020%		
50) Toluene-d8	10.332	98	1158770	44.950	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	89.900%		
62) 4-Bromofluorobenzene	12.620	95	396125	39.346	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	78.700%		
Target Compounds						Qvalue
4) Vinyl Chloride	2.350	62	1335	1.238	ug/l #	81
10) Methyl Iodide	4.303	142	2336	4.106	ug/l #	65
11) Tert butyl alcohol	5.185	59	6265	18.210	ug/l #	74
14) Allyl chloride	4.720	41	1656	1.317	ug/l #	68
16) Acetone	4.156	43	3628	2.987	ug/l #	60
17) Carbon Disulfide	4.403	76	5521	4.115	ug/l	96
20) Methylene Chloride	4.967	84	17526	2.423	ug/l #	88
23) Vinyl Acetate	6.297	43	938	6.376	ug/l #	75
31) Cyclohexane	7.979	56	14338	1.683	ug/l #	8
36) 1,1-Dichloropropene	8.097	75	1702	1.300	ug/l #	43
39) Methylcyclohexane	9.349	83	4381	3.251	ug/l	87
41) Methacrylonitrile	7.555	41	68	1.687	ug/l #	39
56) Ethyl methacrylate	10.655	69	477	1.257	ug/l #	74
76) 1,2,3-Trichloropropane	12.620	75	204094	46.334	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	204094	113.696	ug/l #	7

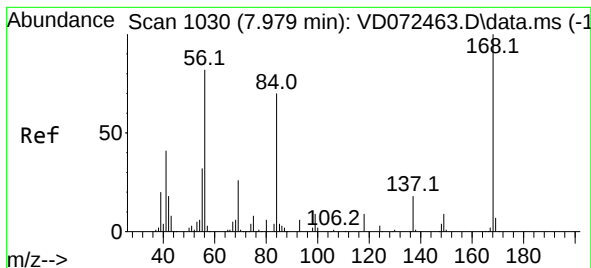
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Mar 30 02:44:36 2022
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.000 min

Lab File: VD072686.D

Acq: 22 Apr 2022 11:28

Instrument :

MSVOA_D

ClientSampleId :

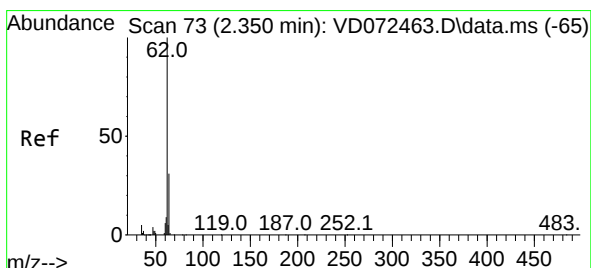
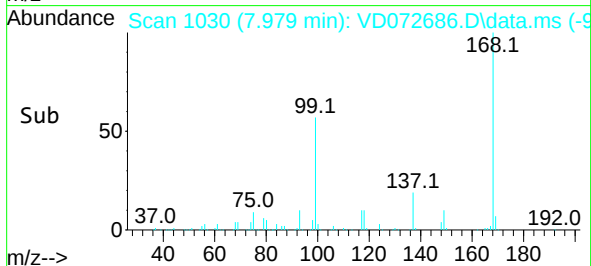
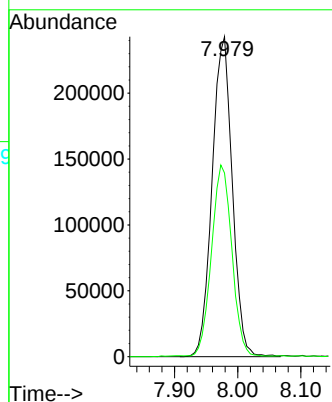
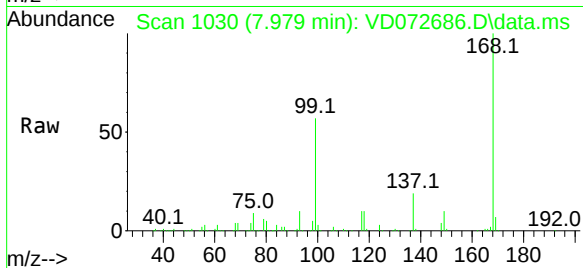
VD0422SBL01

Tgt Ion:168 Resp: 538538

Ion Ratio Lower Upper

168 100

99 57.2 49.8 74.6



#4

Vinyl Chloride

Concen: 1.238 ug/l

RT: 2.350 min Scan# 73

Delta R.T. -0.000 min

Lab File: VD072686.D

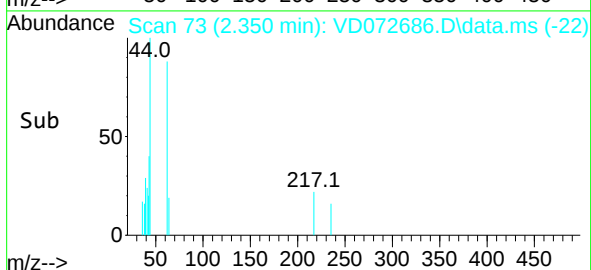
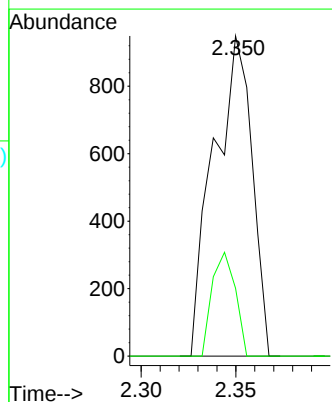
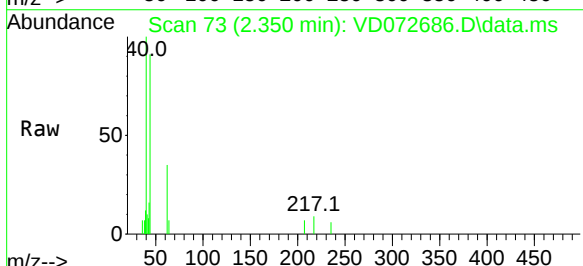
Acq: 22 Apr 2022 11:28

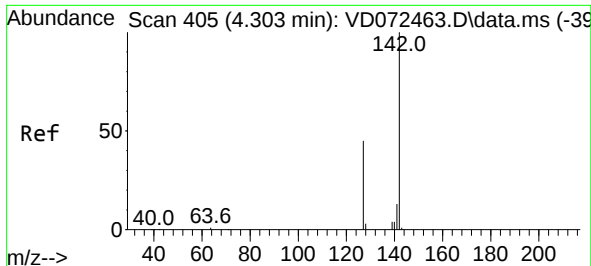
Tgt Ion: 62 Resp: 1335

Ion Ratio Lower Upper

62 100

64 21.2 25.4 38.0#

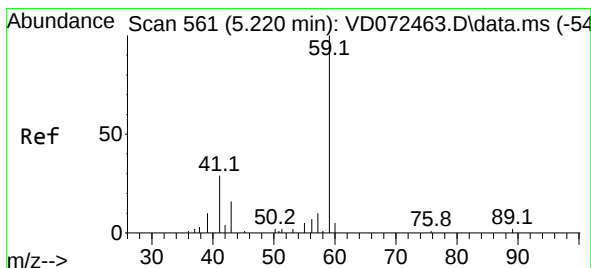
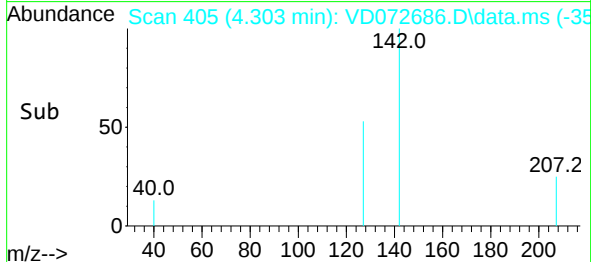
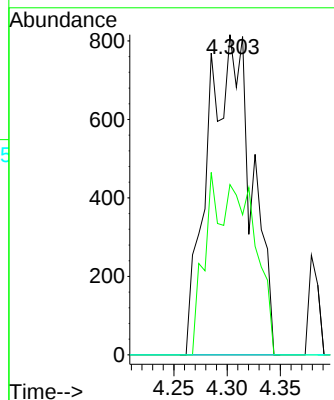
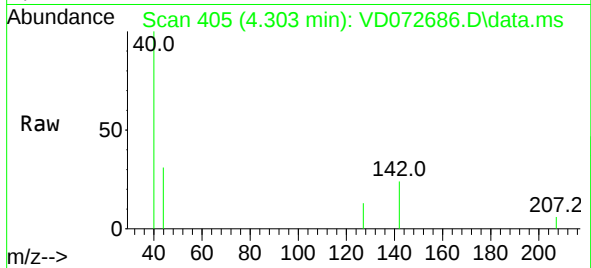




#10
Methyl Iodide
Concen: 4.106 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD072686.D
Acq: 22 Apr 2022 11:28

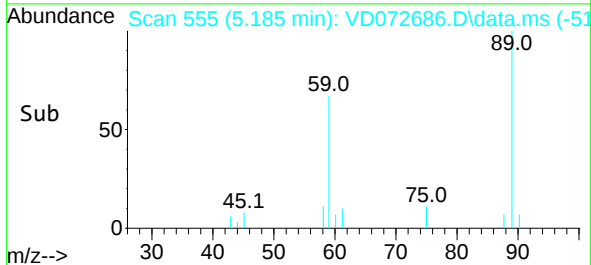
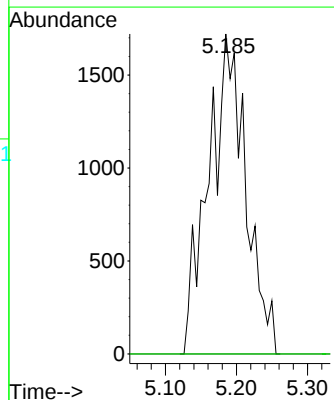
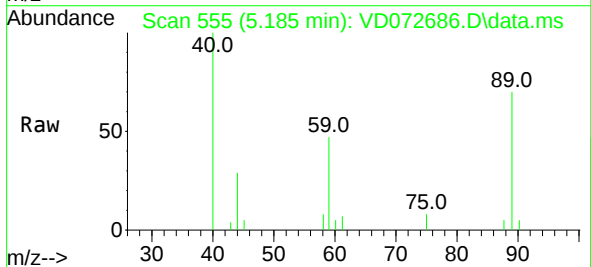
Instrument :
MSVOA_D
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VD0422SBL01

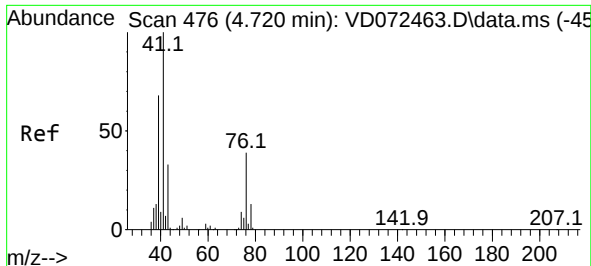
Tgt Ion:142 Resp: 2336
Ion Ratio Lower Upper
142 100
127 23.8 37.3 55.9#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 18.210 ug/l
RT: 5.185 min Scan# 555
Delta R.T. -0.035 min
Lab File: VD072686.D
Acq: 22 Apr 2022 11:28

Tgt Ion: 59 Resp: 6265
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

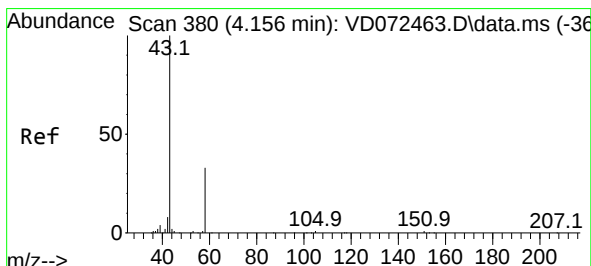
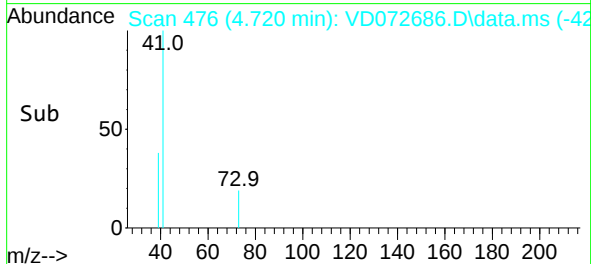
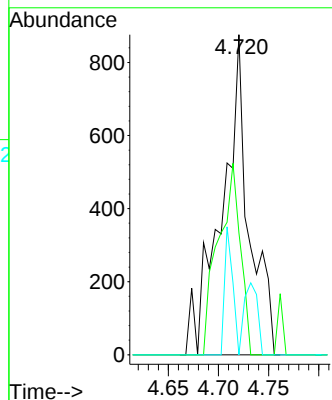
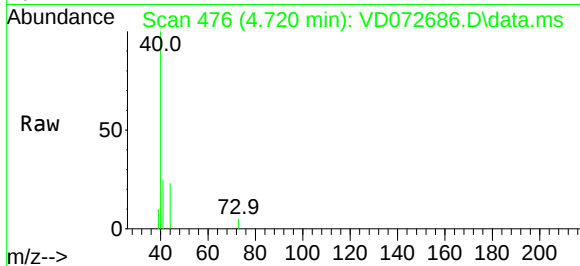




#14
 Allyl chloride
 Concen: 1.317 ug/l
 RT: 4.720 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VD072686.D
 Acq: 22 Apr 2022 11:28

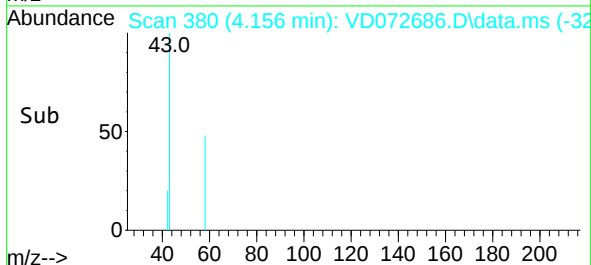
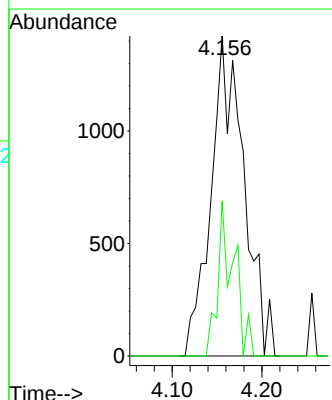
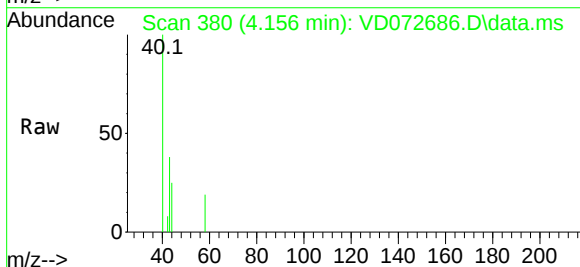
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0422SBL01

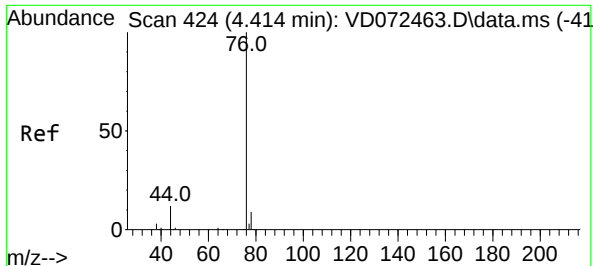
Tgt Ion: 41 Resp: 1656
 Ion Ratio Lower Upper
 41 100
 39 48.4 59.3 88.9#
 76 11.7 25.7 38.5#



#16
 Acetone
 Concen: 2.987 ug/l
 RT: 4.156 min Scan# 380
 Delta R.T. -0.000 min
 Lab File: VD072686.D
 Acq: 22 Apr 2022 11:28

Tgt Ion: 43 Resp: 3628
 Ion Ratio Lower Upper
 43 100
 58 48.5 22.1 33.1#

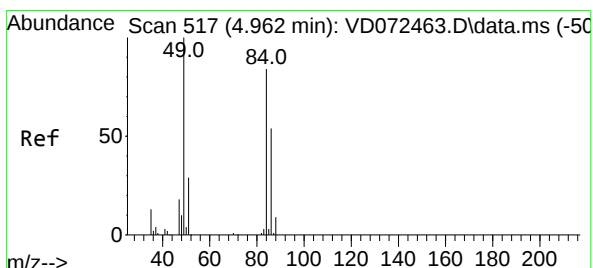
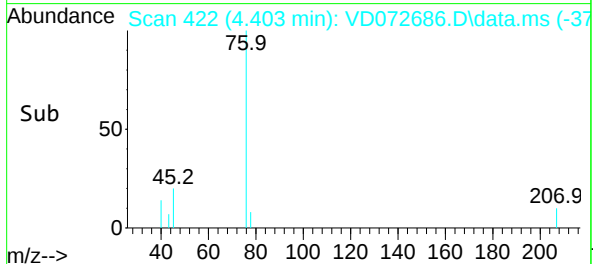
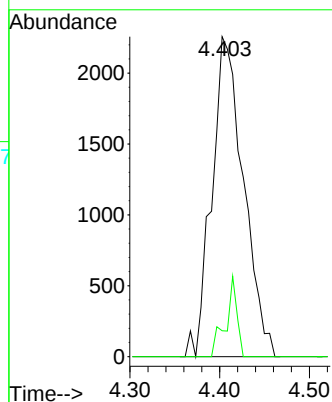
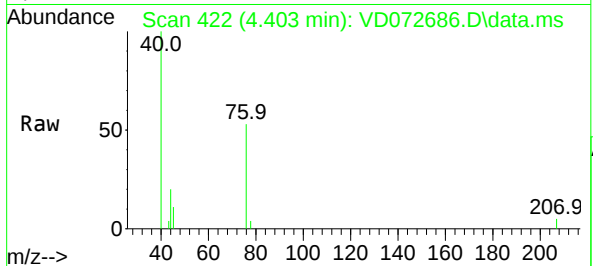




#17
Carbon Disulfide
Concen: 4.115 ug/l
RT: 4.403 min Scan# 41
Delta R.T. -0.011 min
Lab File: VD072686.D
Acq: 22 Apr 2022 11:28

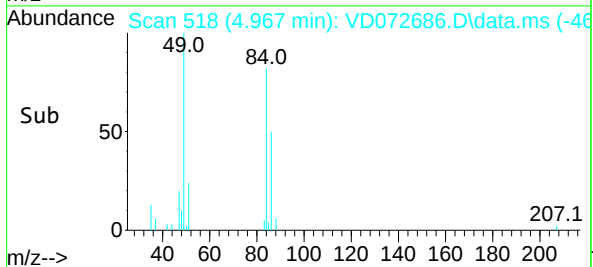
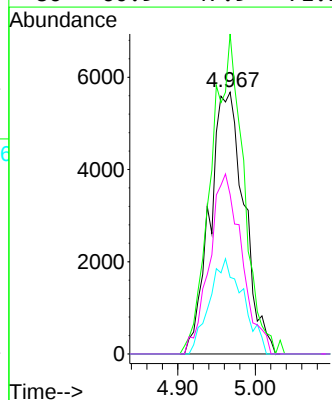
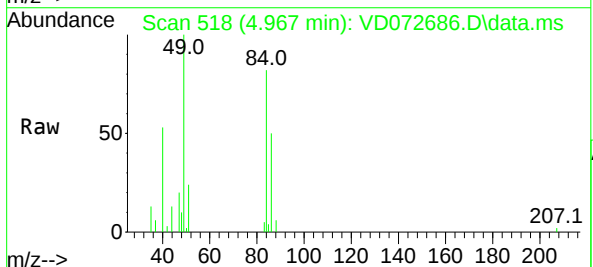
Instrument :
MSVOA_D
ClientSampleId :
VD0422SBL01

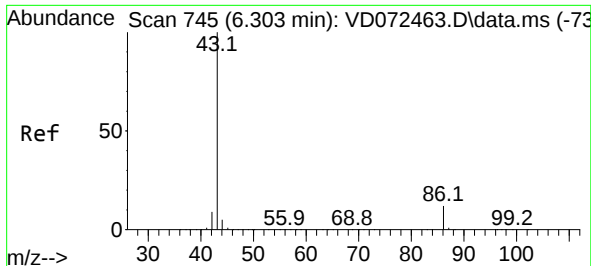
Tgt Ion: 76 Resp: 5521
Ion Ratio Lower Upper
76 100
78 8.1 7.5 11.3



#20
Methylene Chloride
Concen: 2.423 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD072686.D
Acq: 22 Apr 2022 11:28

Tgt Ion: 84 Resp: 17526
Ion Ratio Lower Upper
84 100
49 122.2 112.8 169.2
51 29.3 32.6 48.8#
86 60.9 47.9 71.9

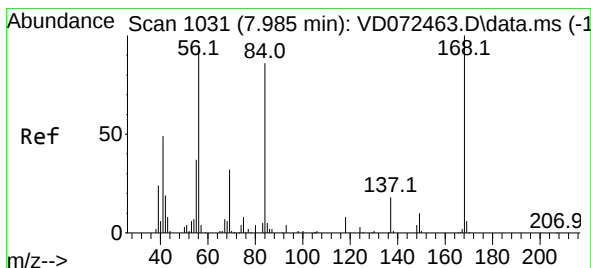
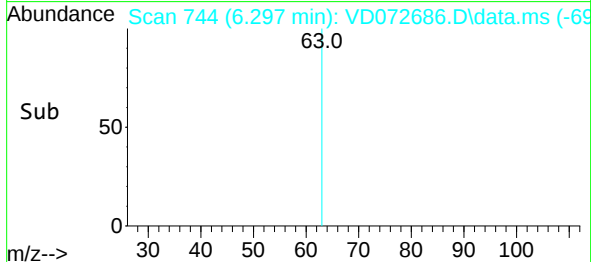
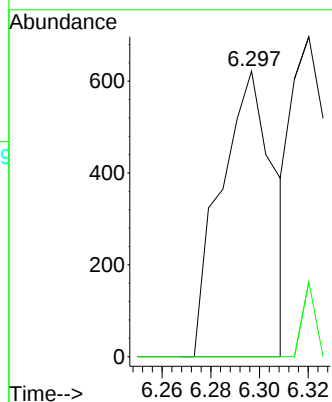
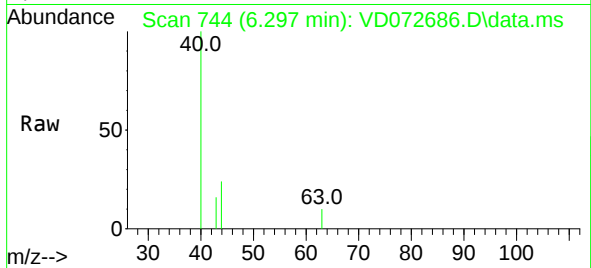




#23
 Vinyl Acetate
 Concen: 6.376 ug/l
 RT: 6.297 min Scan# 745
 Delta R.T. -0.006 min
 Lab File: VD072686.D
 Acq: 22 Apr 2022 11:28

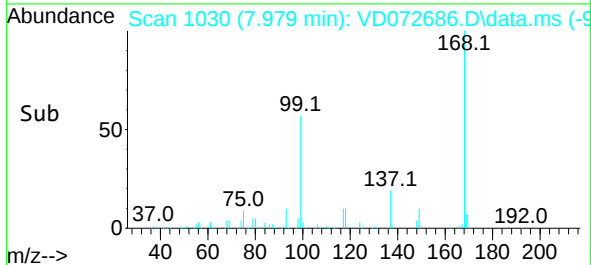
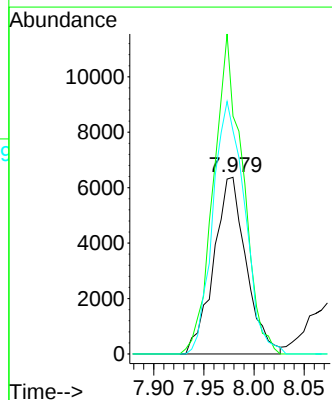
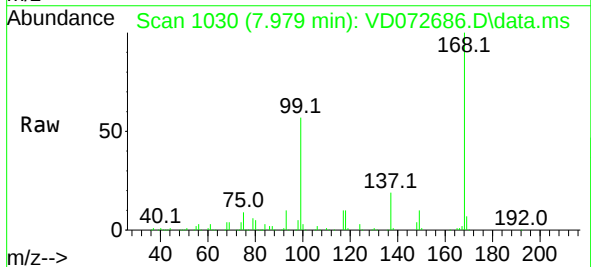
Instrument :
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 ClientSampleId :
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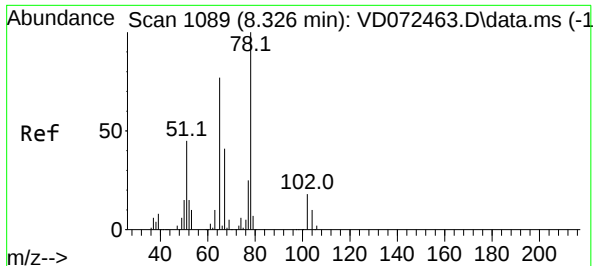
Tgt Ion: 43 Resp: 938
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.1 10.7#



#31
 Cyclohexane
 Concen: 1.683 ug/l
 RT: 7.979 min Scan# 1030
 Delta R.T. -0.006 min
 Lab File: VD072686.D
 Acq: 22 Apr 2022 11:28

Tgt Ion: 56 Resp: 14338
 Ion Ratio Lower Upper
 56 100
 69 134.6 25.4 38.2#
 84 126.3 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 44.396 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD072686.D

Acq: 22 Apr 2022 11:28

Instrument :

MSVOA_D

ClientSampleId :

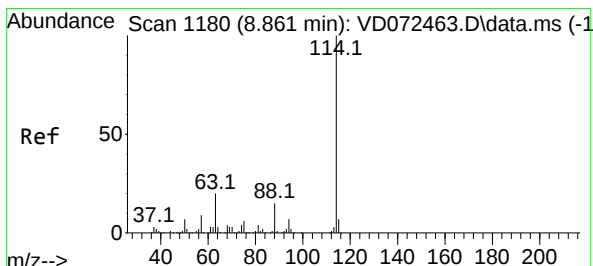
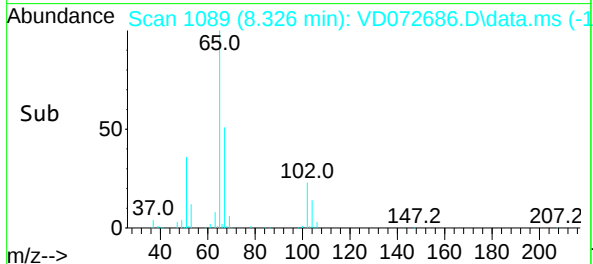
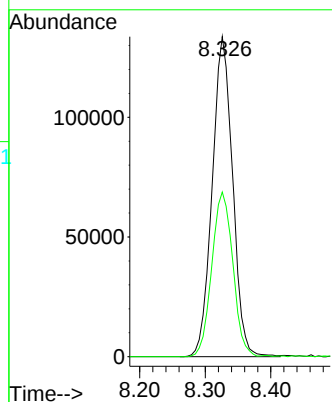
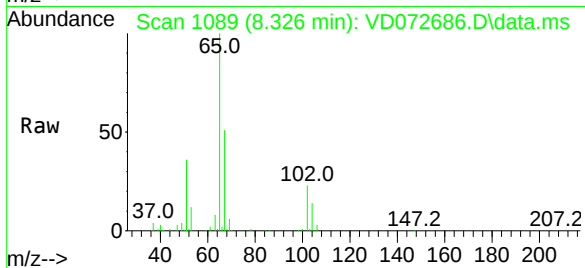
VD0422SBL01

Tgt Ion: 65 Resp: 289225

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: VD072686.D

Acq: 22 Apr 2022 11:28

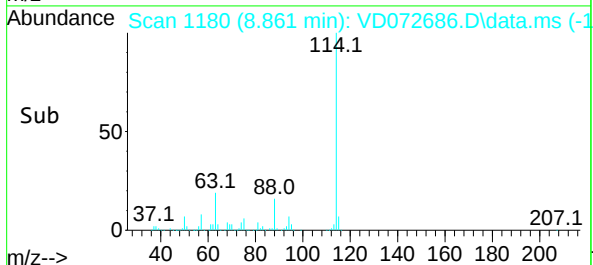
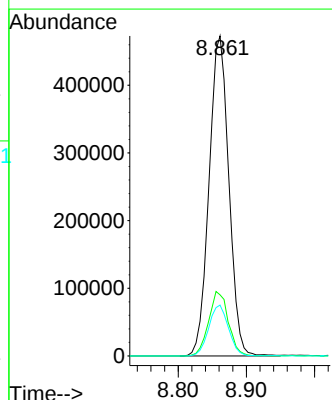
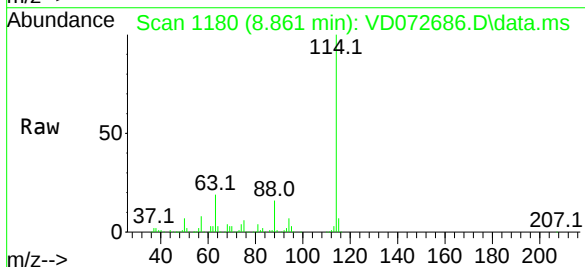
Tgt Ion: 114 Resp: 954286

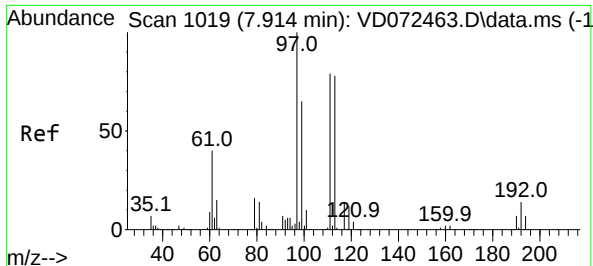
Ion Ratio Lower Upper

114 100

63 19.1 0.0 46.6

88 15.9 0.0 33.2





#35

Dibromofluoromethane

Concen: 40.513 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD072686.D

Acq: 22 Apr 2022 11:28

Instrument :

MSVOA_D

ClientSampleId :

VD0422SBL01

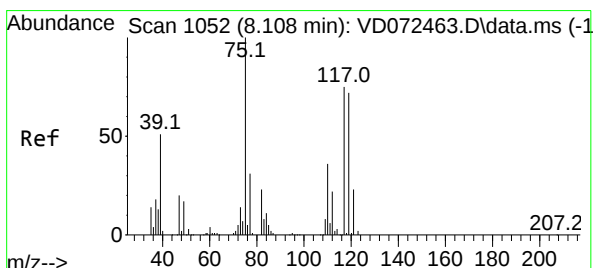
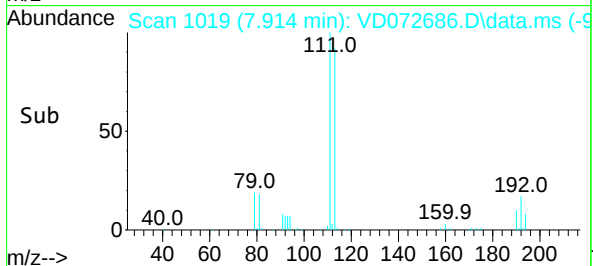
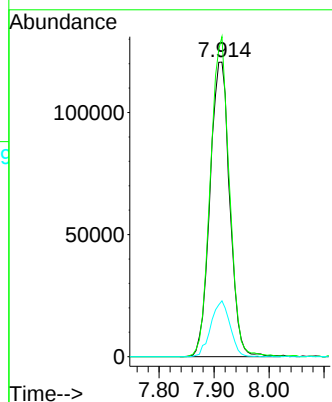
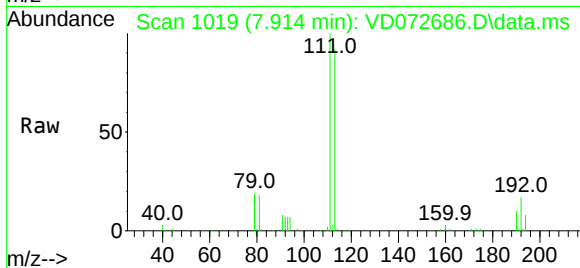
Tgt Ion:113 Resp: 300450

Ion Ratio Lower Upper

113 100

111 104.7 83.8 125.6

192 18.5 14.6 21.8



#36

1,1-Dichloropropene

Concen: 1.300 ug/l

RT: 8.097 min Scan# 1050

Delta R.T. -0.011 min

Lab File: VD072686.D

Acq: 22 Apr 2022 11:28

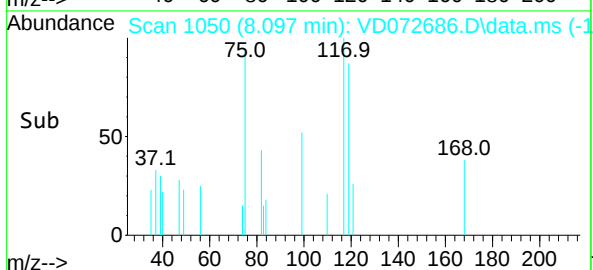
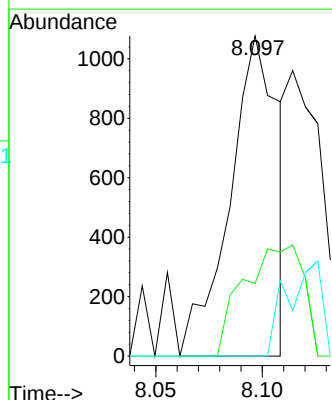
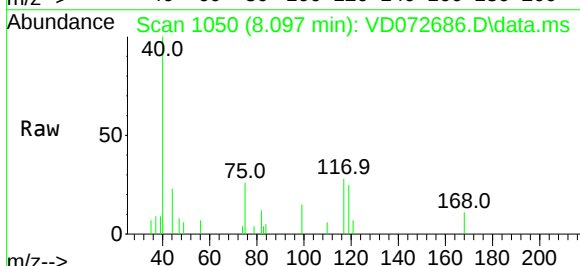
Tgt Ion: 75 Resp: 1702

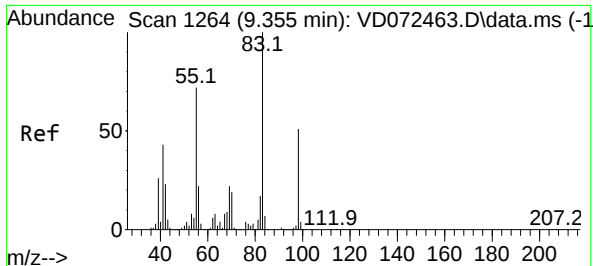
Ion Ratio Lower Upper

75 100

110 0.0 16.4 49.1#

77 0.0 24.2 36.2#





#39

Methylcyclohexane

Concen: 3.251 ug/l

RT: 9.349 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD072686.D

Acq: 22 Apr 2022 11:28

Instrument :

MSVOA_D

ClientSampleId :

VD0422SBL01

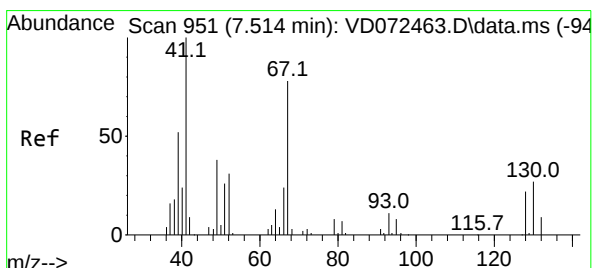
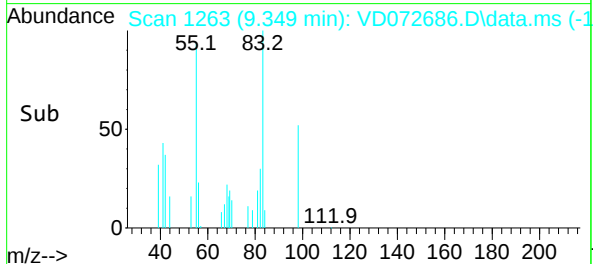
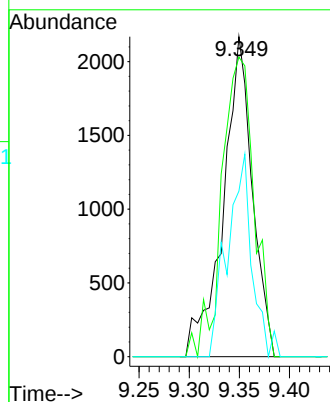
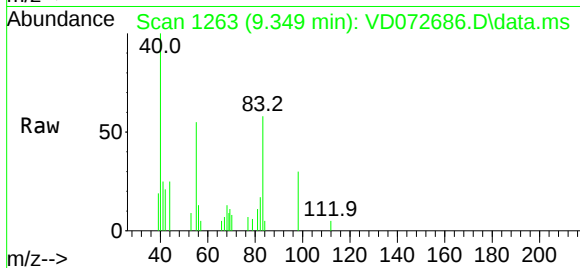
Tgt Ion: 83 Resp: 4381

Ion Ratio Lower Upper

83 100

55 93.6 63.2 94.8

98 51.7 38.2 57.4



#41

Methacrylonitrile

Concen: 1.687 ug/l

RT: 7.555 min Scan# 958

Delta R.T. 0.041 min

Lab File: VD072686.D

Acq: 22 Apr 2022 11:28

Tgt Ion: 41 Resp: 68

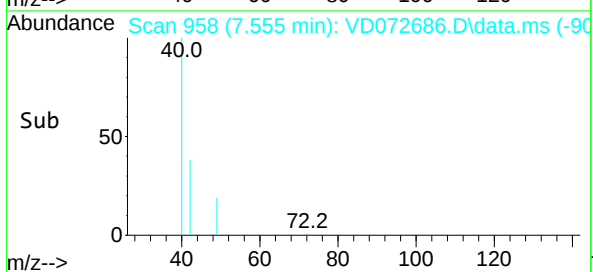
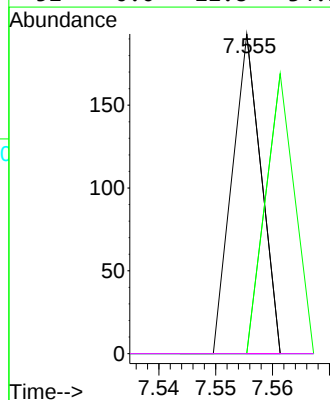
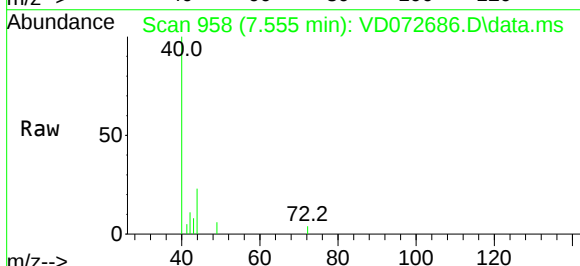
Ion Ratio Lower Upper

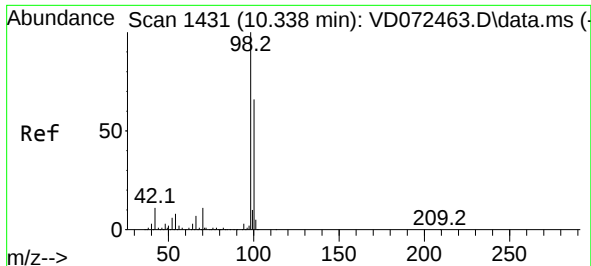
41 100

39 88.2 44.6 67.0#

67 0.0 48.2 72.4#

52 0.0 22.8 34.2#

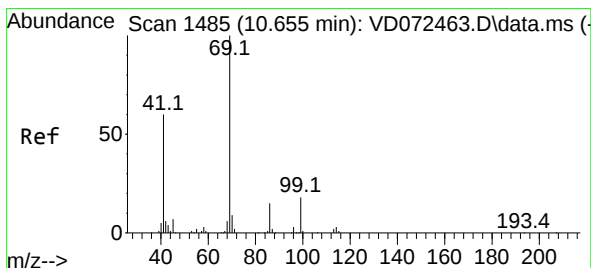
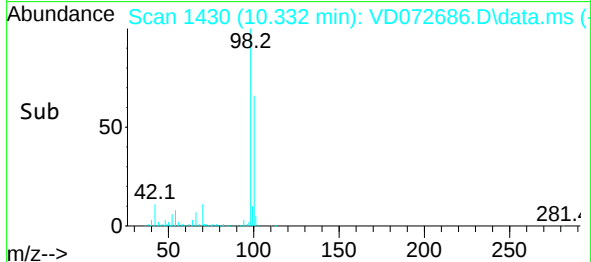
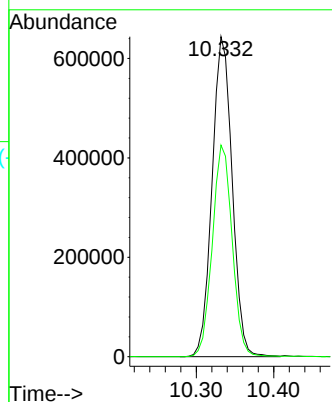
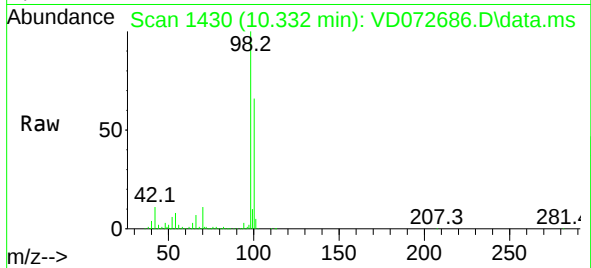




#50
Toluene-d8
Concen: 44.950 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD072686.D
Acq: 22 Apr 2022 11:28

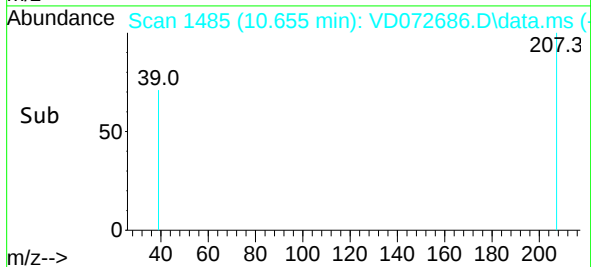
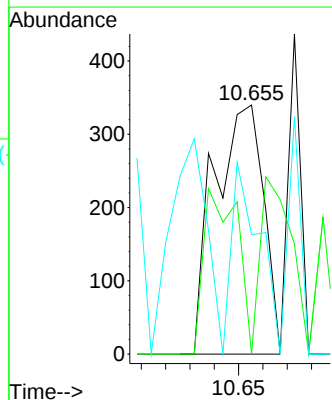
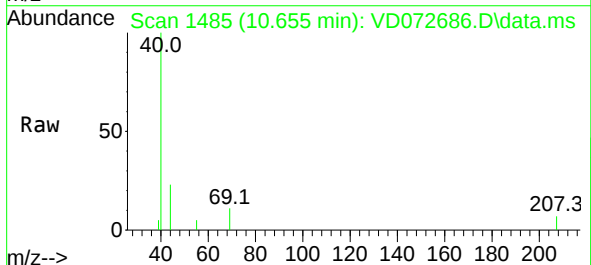
Instrument :
MSVOA_D
ClientSampleId :
VD0422SBL01

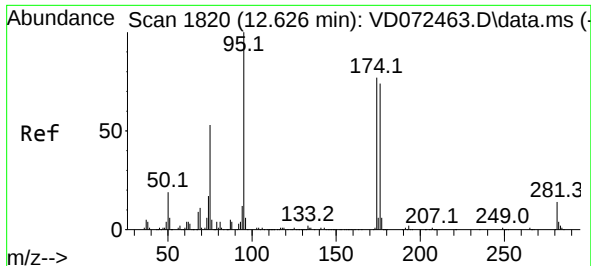
Tgt Ion: 98 Resp: 1158770
Ion Ratio Lower Upper
98 100
100 65.4 52.4 78.6



#56
Ethyl methacrylate
Concen: 1.257 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. 0.000 min
Lab File: VD072686.D
Acq: 22 Apr 2022 11:28

Tgt Ion: 69 Resp: 477
Ion Ratio Lower Upper
69 100
41 44.7 63.0 94.6#
39 43.8 33.8 50.8

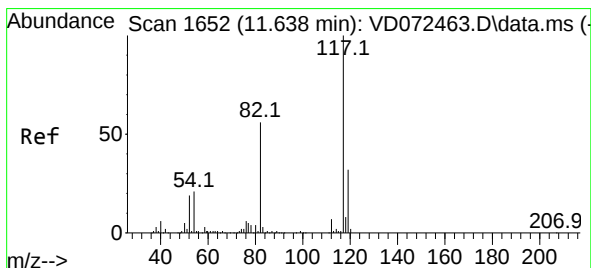
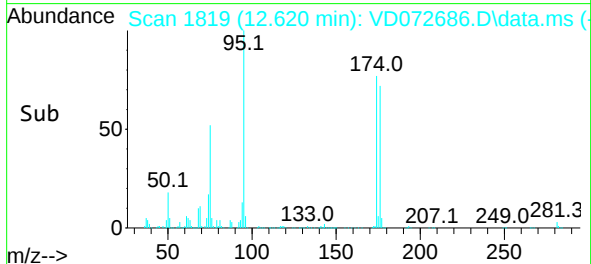
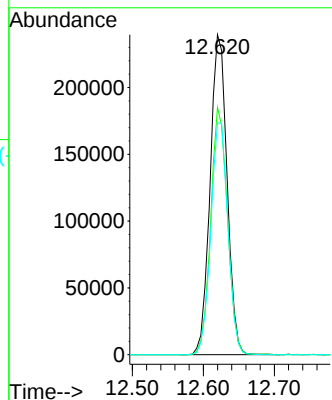
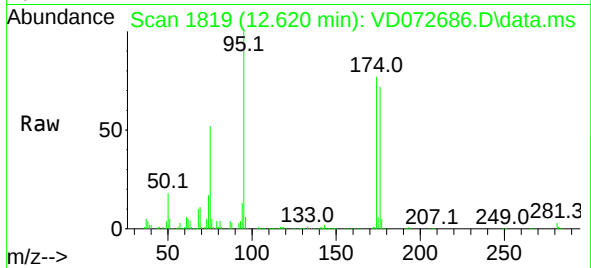




#62
4-Bromofluorobenzene
Concen: 39.346 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072686.D
Acq: 22 Apr 2022 11:28

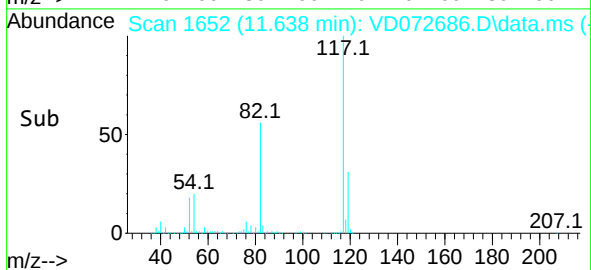
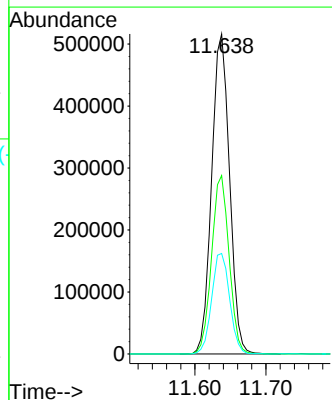
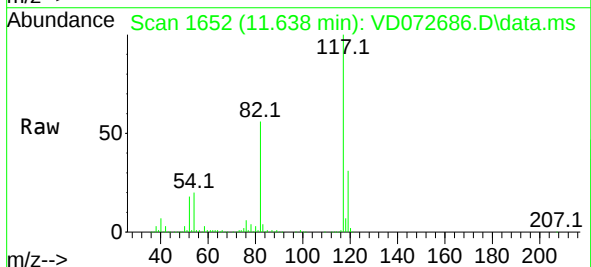
Instrument :
MSVOA_D
ClientSampleId :
VD0422SBL01

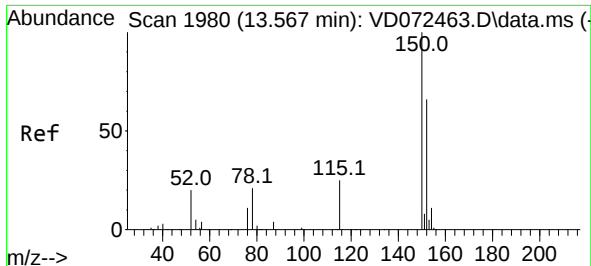
Tgt Ion: 95 Resp: 396125
Ion Ratio Lower Upper
95 100
174 76.5 0.0 152.8
176 73.2 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072686.D
Acq: 22 Apr 2022 11:28

Tgt Ion: 117 Resp: 901255
Ion Ratio Lower Upper
117 100
82 55.8 45.3 67.9
119 31.4 26.6 40.0

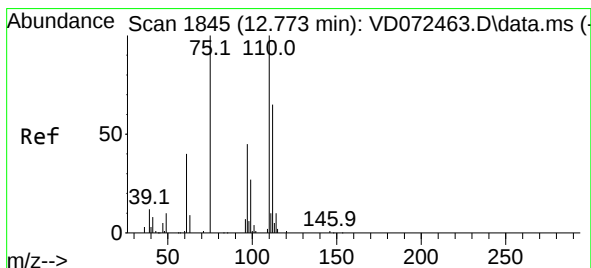
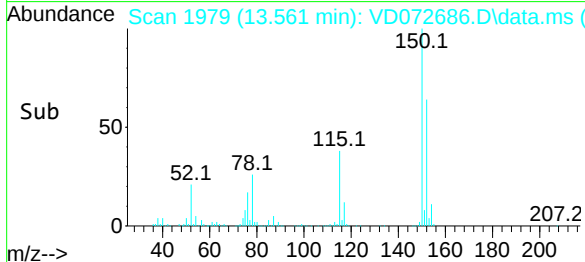
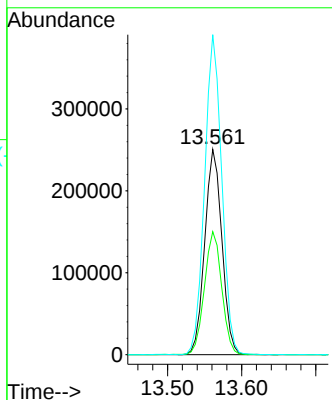
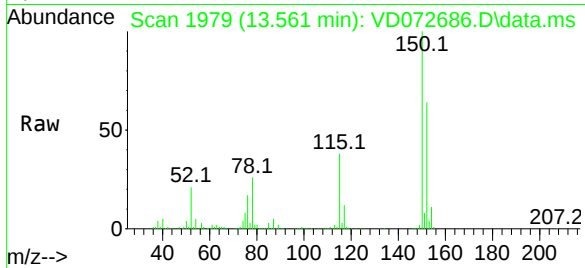




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1819
 Delta R.T. -0.006 min
 Lab File: VD072686.D
 Acq: 22 Apr 2022 11:28

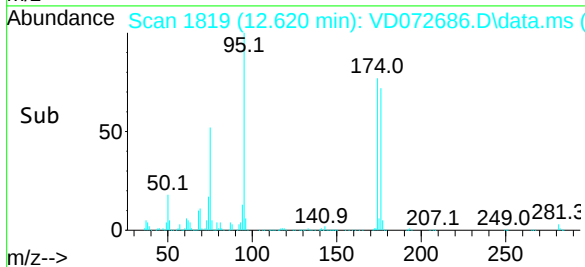
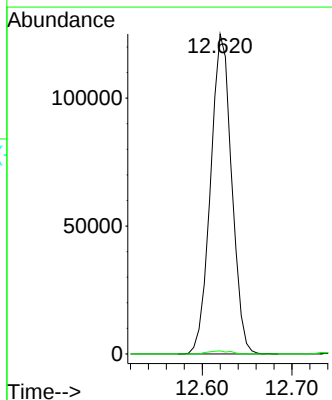
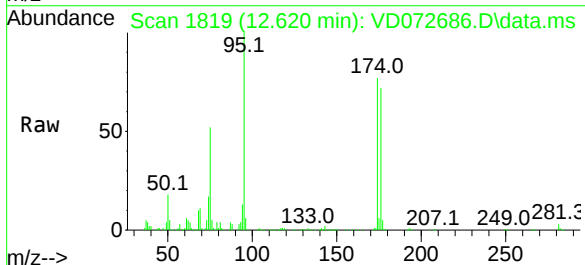
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0422SBL01

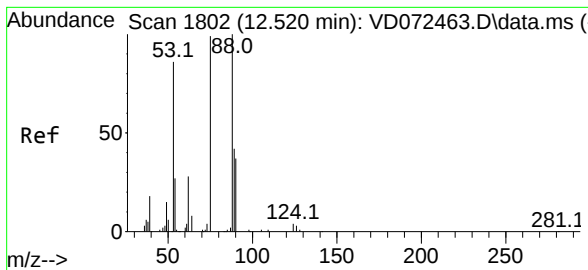
Tgt Ion:152 Resp: 403866
 Ion Ratio Lower Upper
 152 100
 115 60.4 31.3 93.8
 150 155.1 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 46.334 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.153 min
 Lab File: VD072686.D
 Acq: 22 Apr 2022 11:28

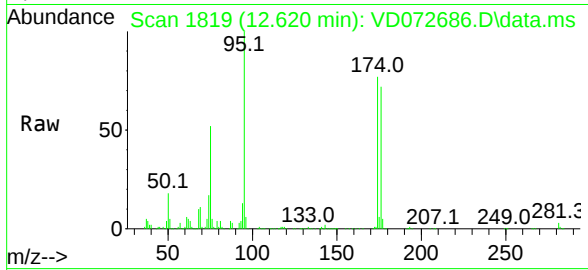
Tgt Ion: 75 Resp: 204094
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 113.696 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD072686.D
 Acq: 22 Apr 2022 11:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0422SBL01



Tgt Ion: 75 Resp: 204094
 Ion Ratio Lower Upper
 75 100
 53 0.2 86.5 129.7#
 89 0.1 33.9 50.9#

