

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042122\
 Data File : VD072662.D
 Acq On : 21 Apr 2022 11:07
 Operator : VA/SY
 Sample : VD0421SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0421SBL01

Quant Time: Apr 21 14:53:28 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)

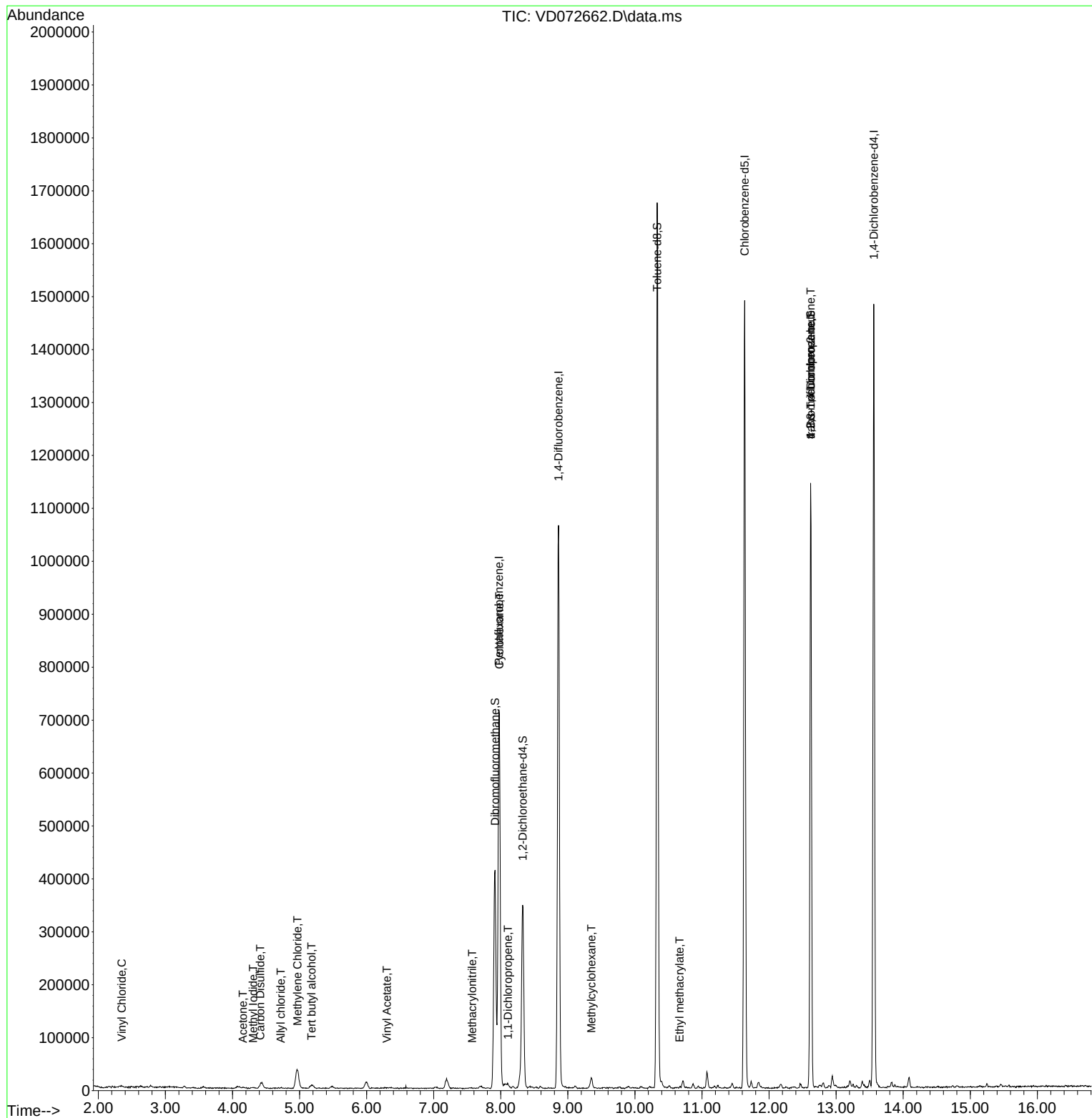
Internal Standards						
1) Pentafluorobenzene	7.973	168	520011	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	927541	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	864860	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	388898	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	281367	44.729	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.460%
35) Dibromofluoromethane	7.914	113	299775	41.587	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	83.180%
50) Toluene-d8	10.332	98	1117605	44.603	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	89.200%
62) 4-Bromofluorobenzene	12.620	95	382959	39.135	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	78.260%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.350	62	1237	1.227	ug/l	92
10) Methyl Iodide	4.309	142	2516	4.149	ug/l #	67
11) Tert butyl alcohol	5.179	59	6110	18.393	ug/l #	74
14) Allyl chloride	4.720	41	1306	1.282	ug/l #	77
16) Acetone	4.156	43	2906	2.477	ug/l #	47
17) Carbon Disulfide	4.414	76	5454	4.126	ug/l #	74
20) Methylene Chloride	4.967	84	28243	4.045	ug/l #	80
23) Vinyl Acetate	6.303	43	1802	6.463	ug/l #	75
31) Cyclohexane	7.979	56	14834	1.803	ug/l #	16
36) 1,1-Dichloropropene	8.108	75	2701	1.411	ug/l #	90
39) Methylcyclohexane	9.350	83	8233	3.600	ug/l #	84
41) Methacrylonitrile	7.573	41	54	1.681	ug/l #	31
56) Ethyl methacrylate	10.667	69	390	1.246	ug/l #	43
76) 1,2,3-Trichloropropane	12.620	75	192240	45.323	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	192240	111.214	ug/l #	7

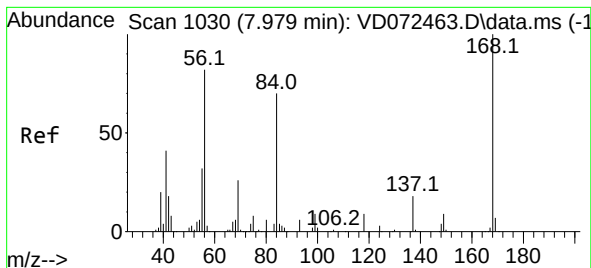
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.973 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD072662.D

Acq: 21 Apr 2022 11:07

Instrument :

MSVOA_D

ClientSampleId :

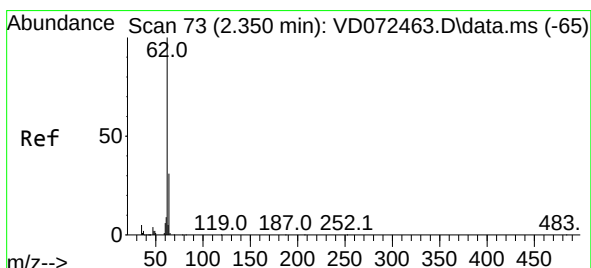
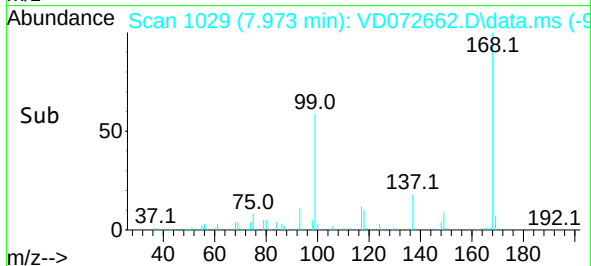
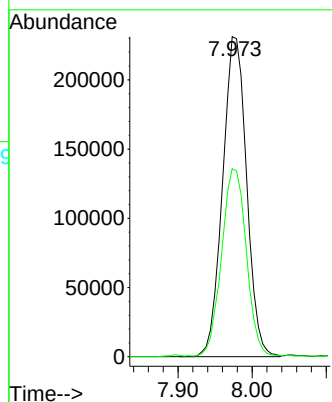
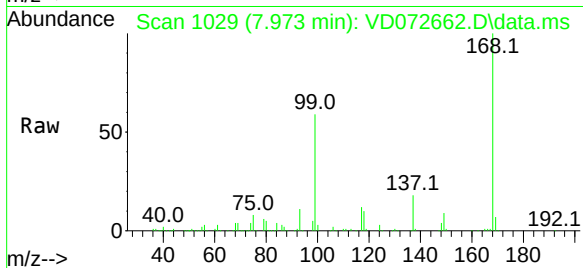
VD0421SBL01

Tgt Ion:168 Resp: 52011

Ion Ratio Lower Upper

168 100

99 58.4 49.8 74.6



#4

Vinyl Chloride

Concen: 1.227 ug/l

RT: 2.350 min Scan# 73

Delta R.T. -0.000 min

Lab File: VD072662.D

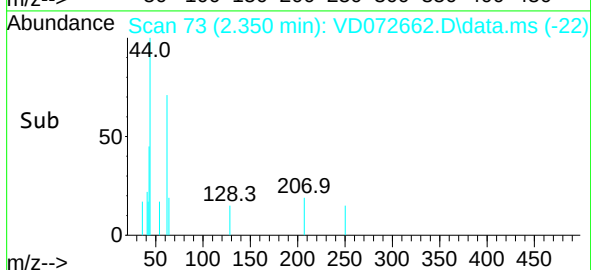
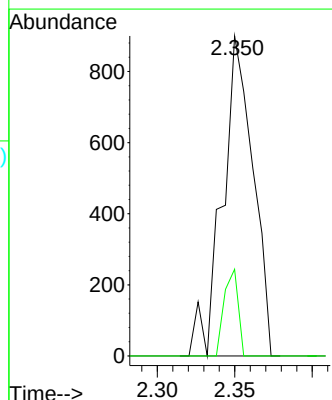
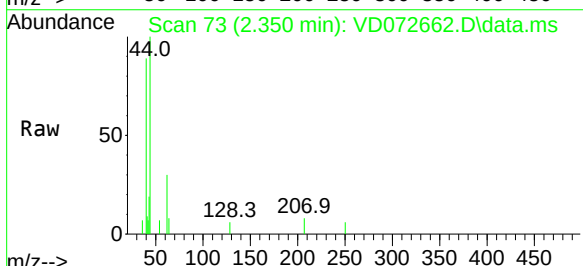
Acq: 21 Apr 2022 11:07

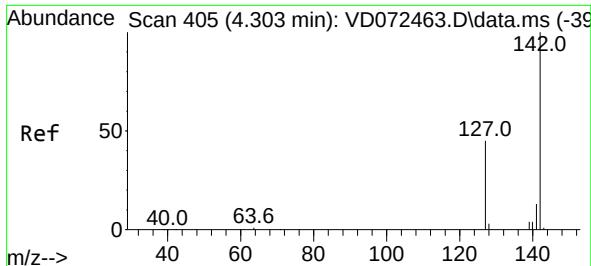
Tgt Ion: 62 Resp: 1237

Ion Ratio Lower Upper

62 100

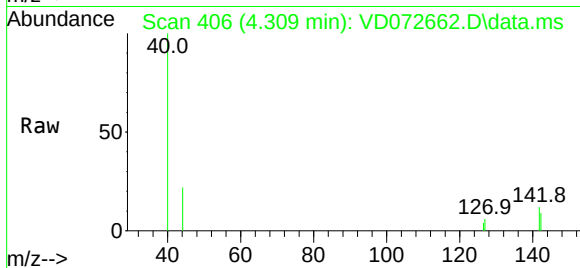
64 27.1 25.4 38.0



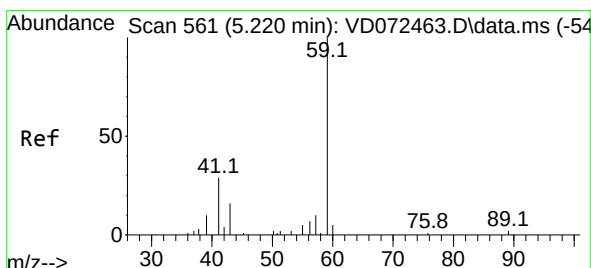
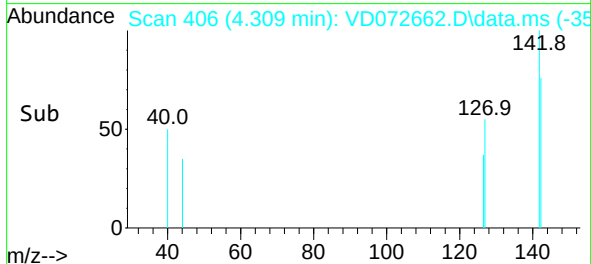
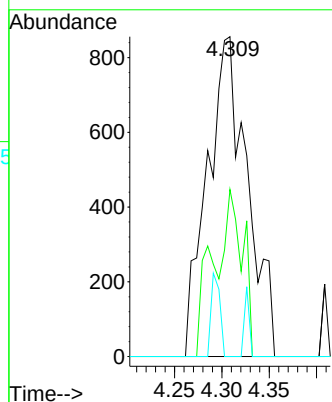


#10
Methyl Iodide
Concen: 4.149 ug/l
RT: 4.309 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD072662.D
Acq: 21 Apr 2022 11:07

Instrument :
MSVOA_D
ClientSampleId :
VD0421SBL01

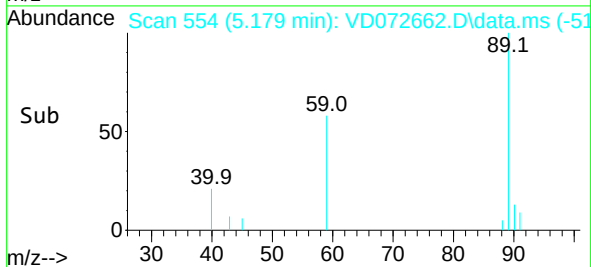
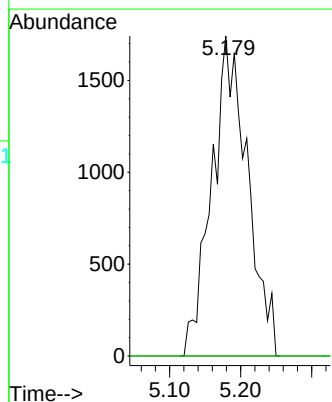
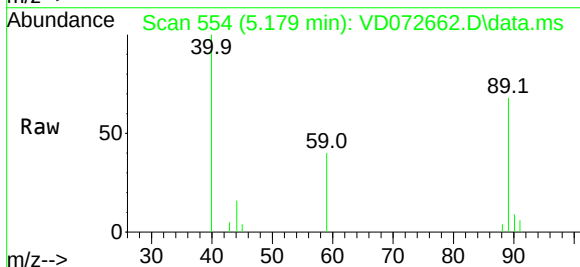


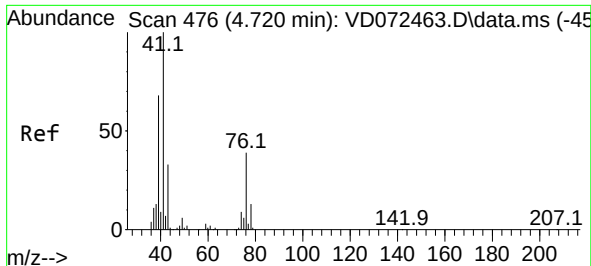
Tgt Ion:142 Resp: 2516
Ion Ratio Lower Upper
142 100
127 23.7 37.3 55.9#
141 2.6 11.7 17.5#



#11
Tert butyl alcohol
Concen: 18.393 ug/l
RT: 5.179 min Scan# 554
Delta R.T. -0.041 min
Lab File: VD072662.D
Acq: 21 Apr 2022 11:07

Tgt Ion: 59 Resp: 6110
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

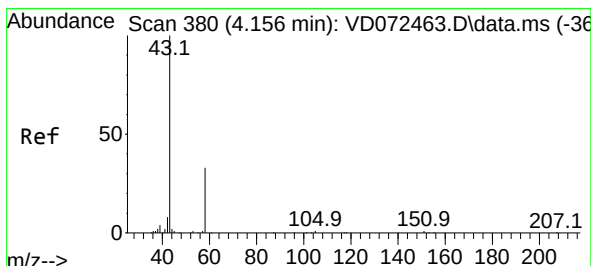
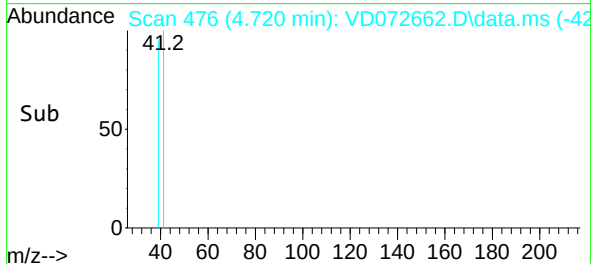
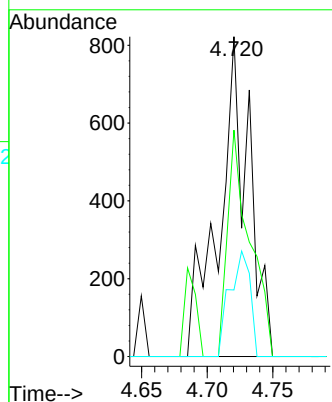
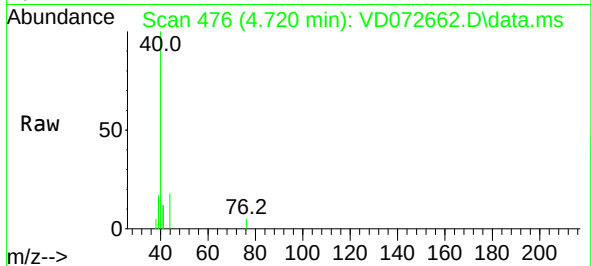




#14
 Allyl chloride
 Concen: 1.282 ug/l
 RT: 4.720 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VD072662.D
 Acq: 21 Apr 2022 11:07

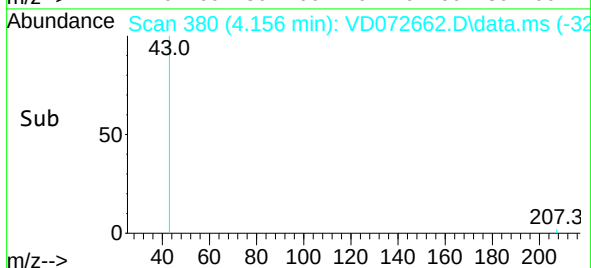
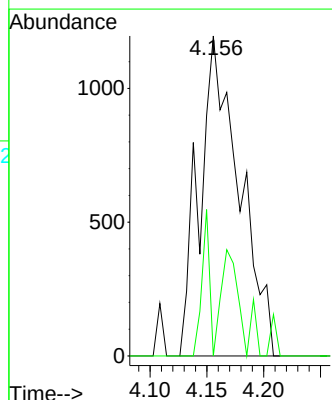
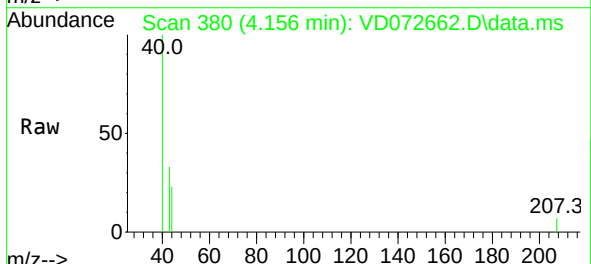
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0421SBL01

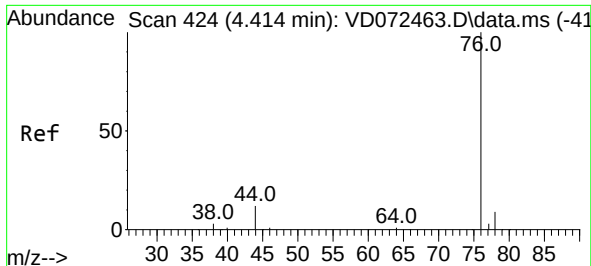
Tgt Ion: 41 Resp: 1306
 Ion Ratio Lower Upper
 41 100
 39 52.5 59.3 88.9#
 76 22.4 25.7 38.5#



#16
 Acetone
 Concen: 2.477 ug/l
 RT: 4.156 min Scan# 380
 Delta R.T. -0.000 min
 Lab File: VD072662.D
 Acq: 21 Apr 2022 11:07

Tgt Ion: 43 Resp: 2906
 Ion Ratio Lower Upper
 43 100
 58 0.0 22.1 33.1#

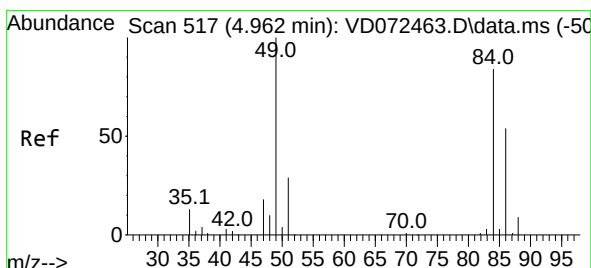
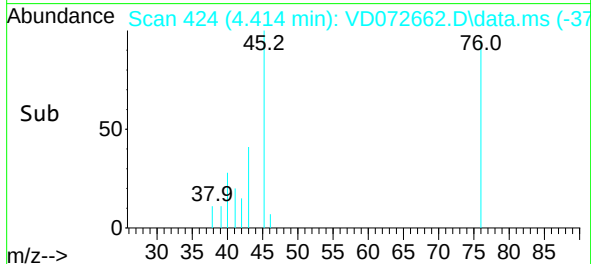
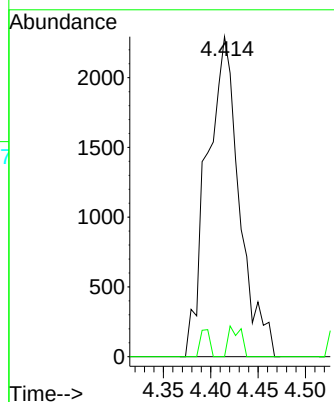
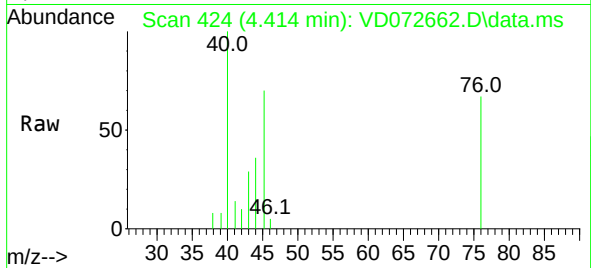




#17
Carbon Disulfide
Concen: 4.126 ug/l
RT: 4.414 min Scan# 41
Delta R.T. 0.000 min
Lab File: VD072662.D
Acq: 21 Apr 2022 11:07

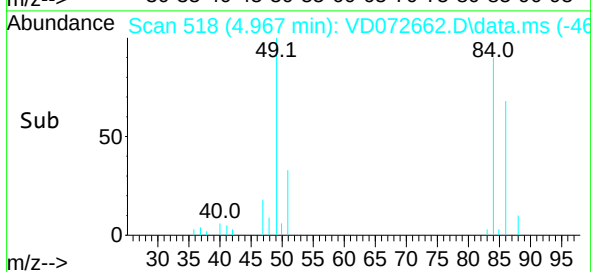
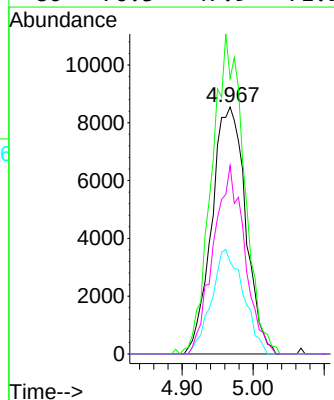
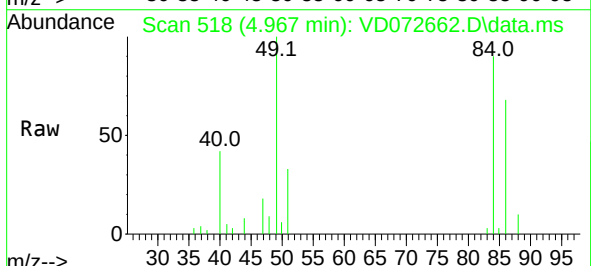
Instrument :
MSVOA_D
ClientSampleId :
VD0421SBL01

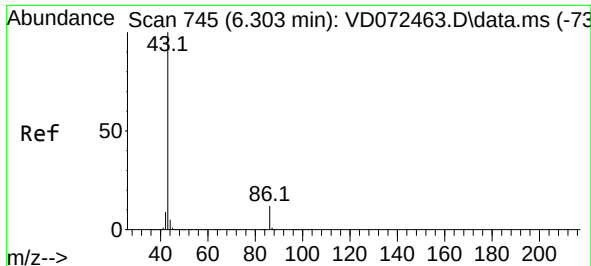
Tgt Ion: 76 Resp: 5454
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#20
Methylene Chloride
Concen: 4.045 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD072662.D
Acq: 21 Apr 2022 11:07

Tgt Ion: 84 Resp: 28243
Ion Ratio Lower Upper
84 100
49 111.6 112.8 169.2#
51 37.3 32.6 48.8
86 76.3 47.9 71.9#

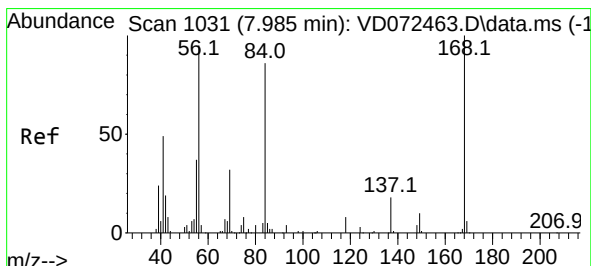
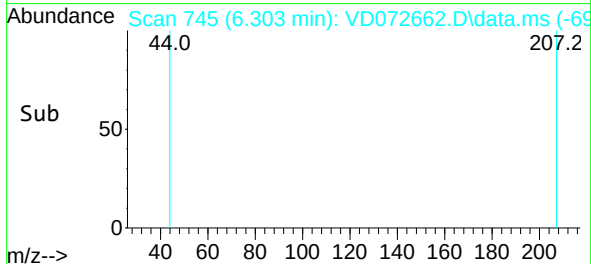
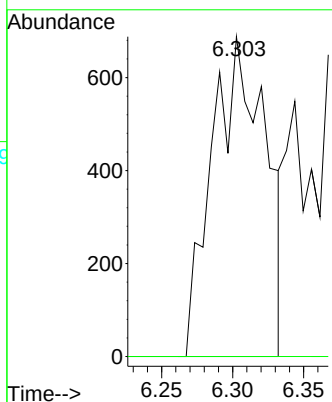
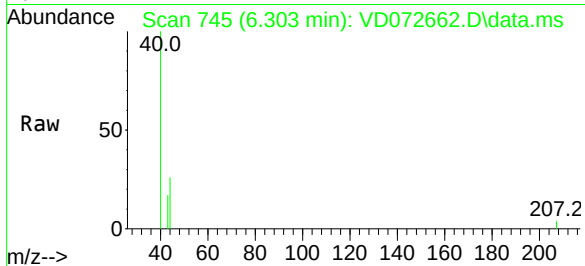




#23
 Vinyl Acetate
 Concen: 6.463 ug/l
 RT: 6.303 min Scan# 745
 Delta R.T. -0.000 min
 Lab File: VD072662.D
 Acq: 21 Apr 2022 11:07

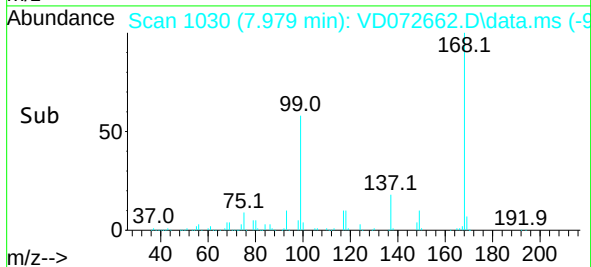
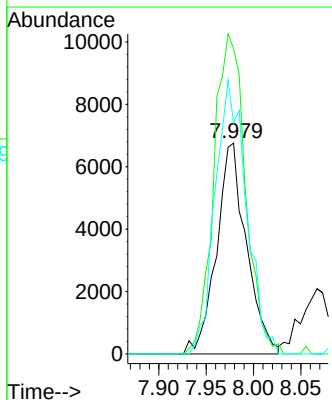
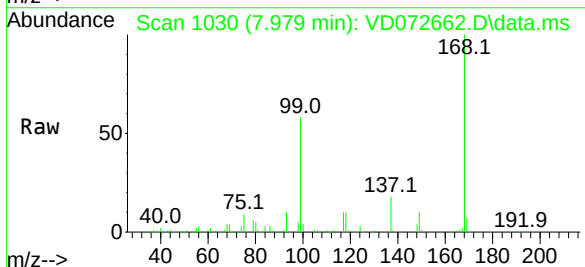
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0421SBL01

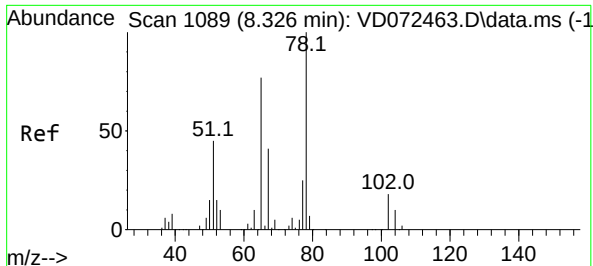
Tgt Ion: 43 Resp: 1802
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.1 10.7#



#31
 Cyclohexane
 Concen: 1.803 ug/l
 RT: 7.979 min Scan# 1030
 Delta R.T. -0.006 min
 Lab File: VD072662.D
 Acq: 21 Apr 2022 11:07

Tgt Ion: 56 Resp: 14834
 Ion Ratio Lower Upper
 56 100
 69 144.9 25.4 38.2#
 84 109.7 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 44.729 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD072662.D

Acq: 21 Apr 2022 11:07

Instrument :

MSVOA_D

ClientSampleId :

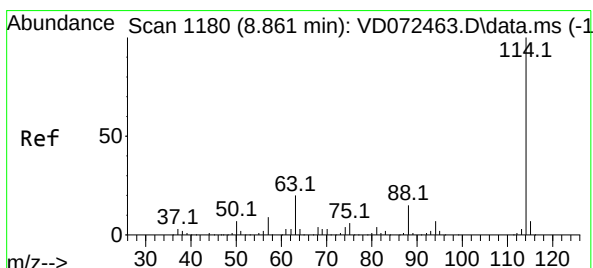
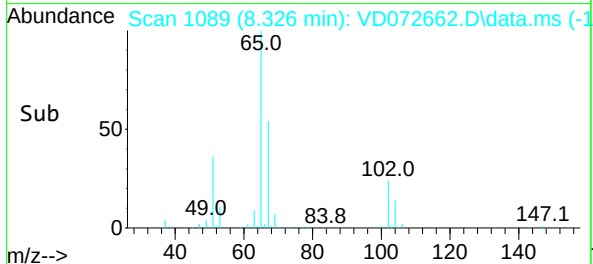
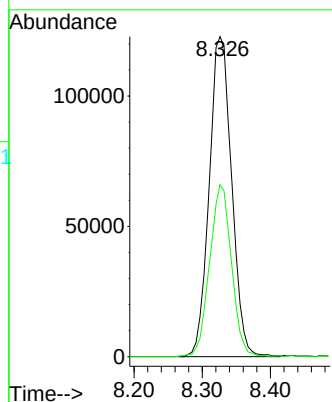
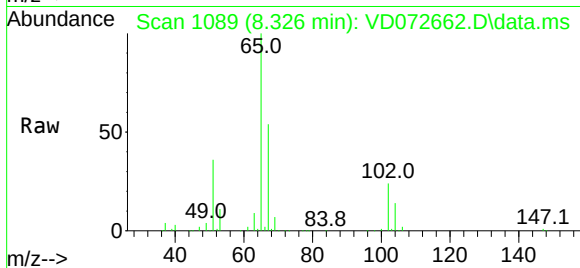
VD0421SBL01

Tgt Ion: 65 Resp: 281367

Ion Ratio Lower Upper

65 100

67 52.4 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: VD072662.D

Acq: 21 Apr 2022 11:07

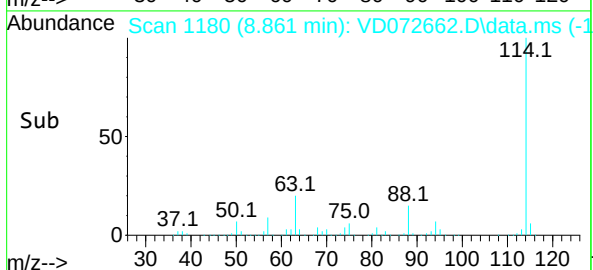
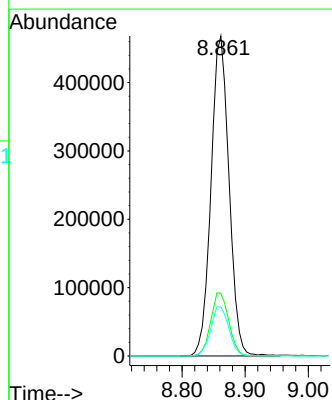
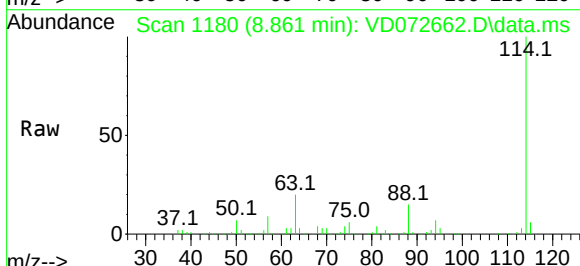
Tgt Ion: 114 Resp: 927541

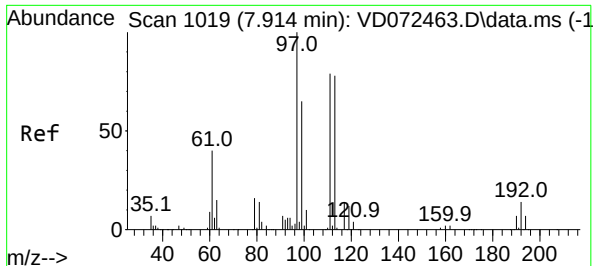
Ion Ratio Lower Upper

114 100

63 19.6 0.0 46.6

88 15.3 0.0 33.2





#35

Dibromofluoromethane

Concen: 41.587 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD072662.D

Acq: 21 Apr 2022 11:07

Instrument :

MSVOA_D

ClientSampleId :

VD0421SBL01

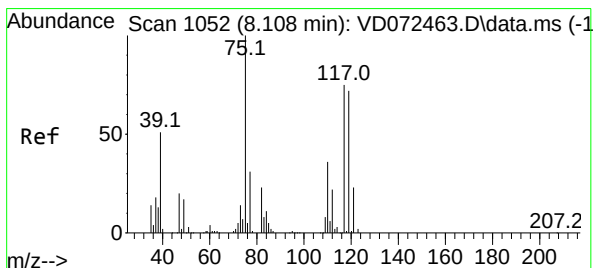
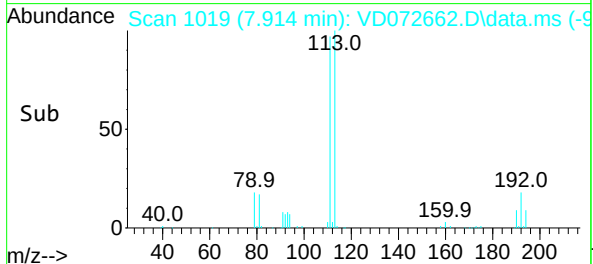
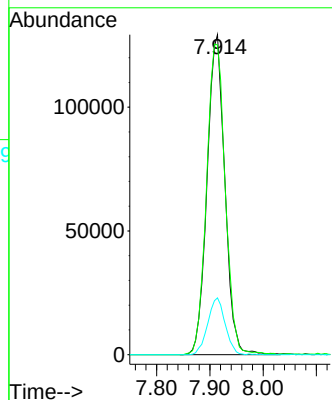
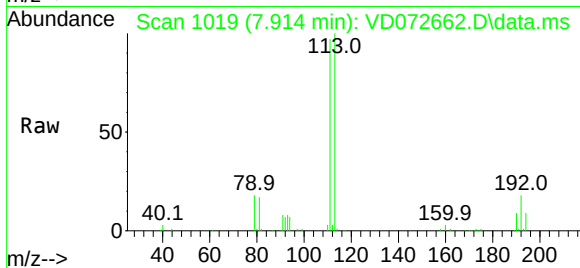
Tgt Ion:113 Resp: 299775

Ion Ratio Lower Upper

113 100

111 101.9 83.8 125.6

192 17.4 14.6 21.8



#36

1,1-Dichloropropene

Concen: 1.411 ug/l

RT: 8.108 min Scan# 1052

Delta R.T. 0.000 min

Lab File: VD072662.D

Acq: 21 Apr 2022 11:07

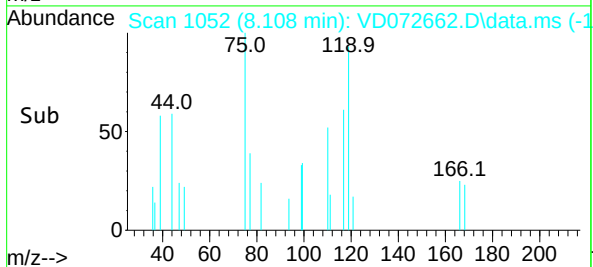
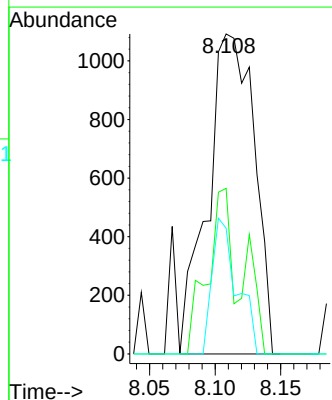
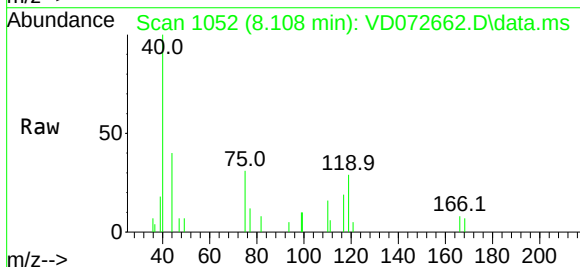
Tgt Ion: 75 Resp: 2701

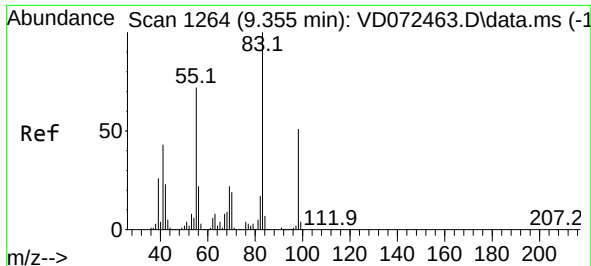
Ion Ratio Lower Upper

75 100

110 28.8 16.4 49.1

77 22.7 24.2 36.2#





#39

Methylcyclohexane

Concen: 3.600 ug/l

RT: 9.350 min Scan# 11

Delta R.T. -0.005 min

Lab File: VD072662.D

Acq: 21 Apr 2022 11:07

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VD0421SBL01

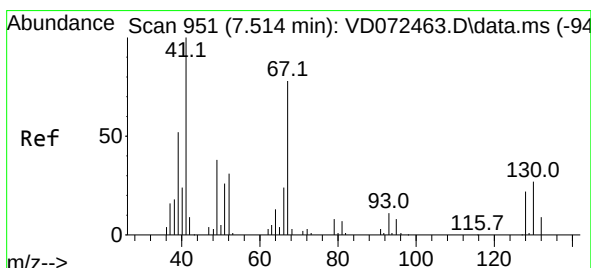
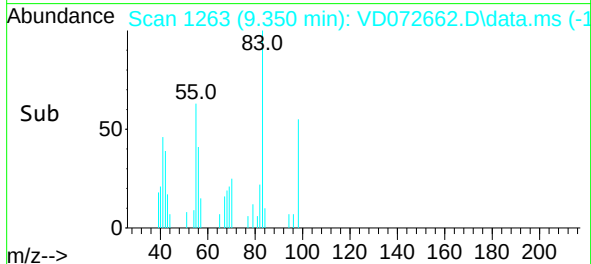
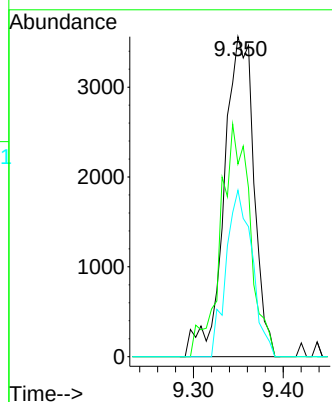
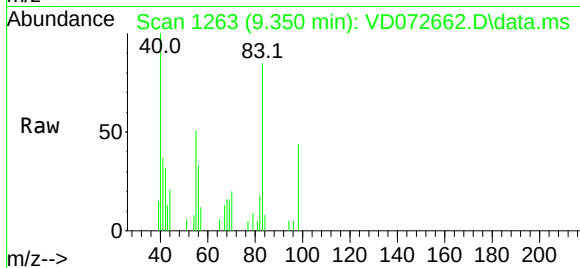
Tgt Ion: 83 Resp: 8233

Ion Ratio Lower Upper

83 100

55 60.2 63.2 94.8#

98 52.0 38.2 57.4



#41

Methacrylonitrile

Concen: 1.681 ug/l

RT: 7.573 min Scan# 961

Delta R.T. 0.059 min

Lab File: VD072662.D

Acq: 21 Apr 2022 11:07

Tgt Ion: 41 Resp: 54

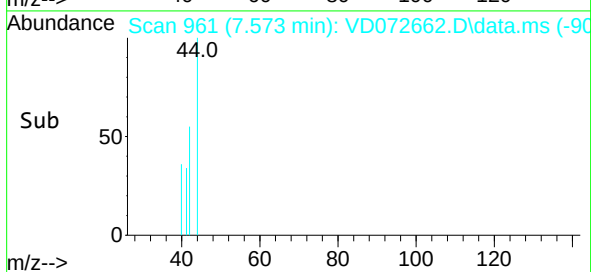
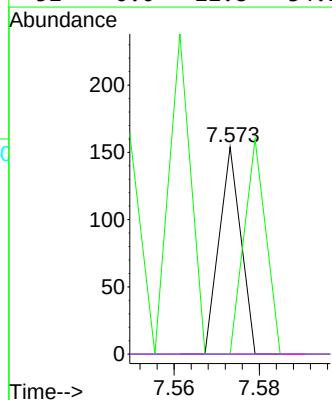
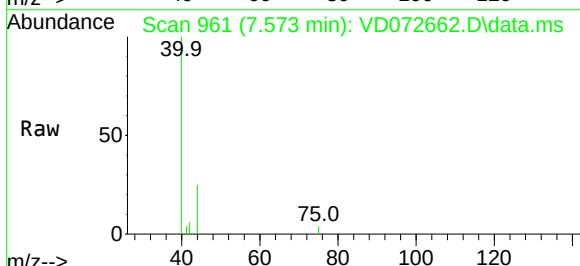
Ion Ratio Lower Upper

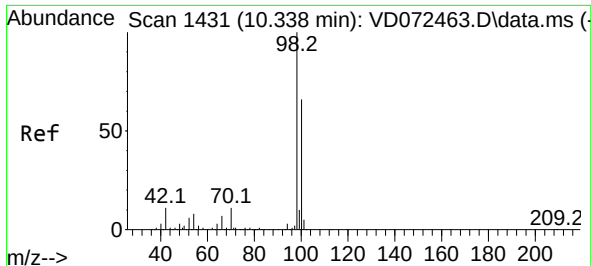
41 100

39 103.7 44.6 67.0#

67 0.0 48.2 72.4#

52 0.0 22.8 34.2#

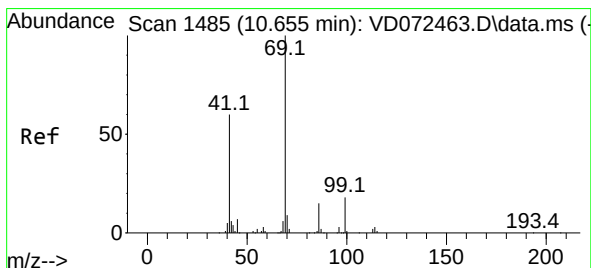
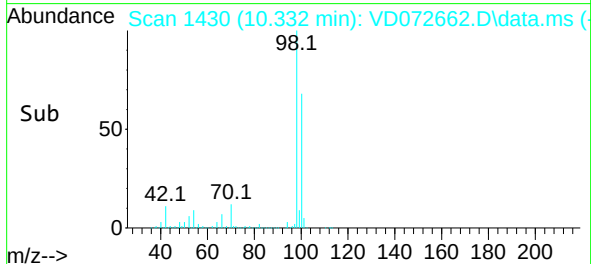
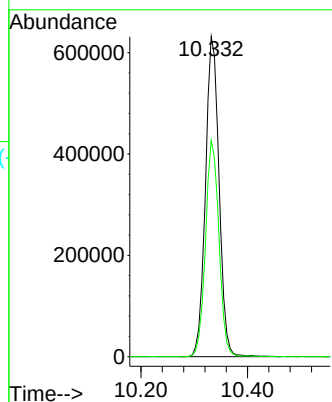
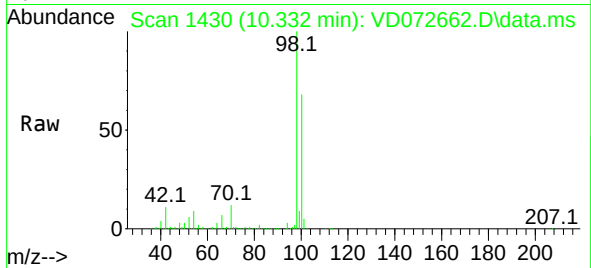




#50
Toluene-d8
Concen: 44.603 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD072662.D
Acq: 21 Apr 2022 11:07

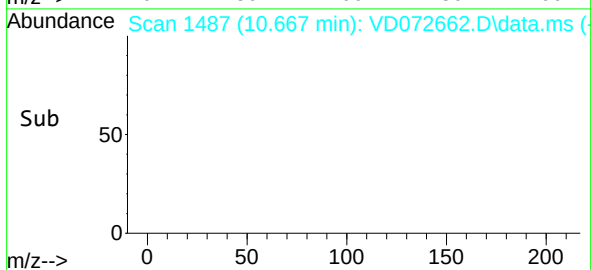
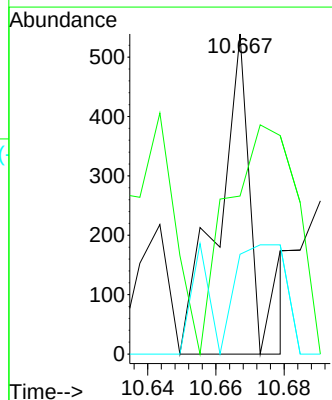
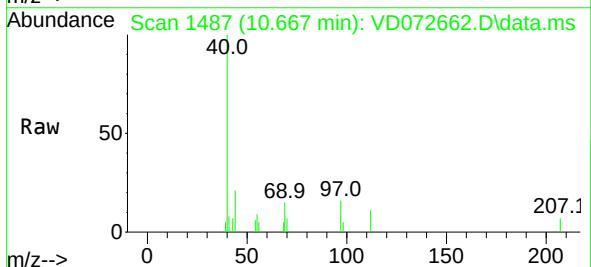
Instrument :
MSVOA_D
ClientSampleId :
VD0421SBL01

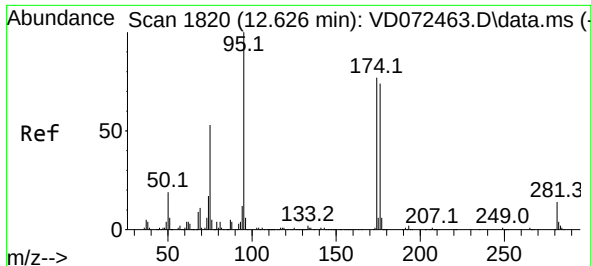
Tgt Ion: 98 Resp: 1117605
Ion Ratio Lower Upper
98 100
100 67.0 52.4 78.6



#56
Ethyl methacrylate
Concen: 1.246 ug/l
RT: 10.667 min Scan# 1487
Delta R.T. 0.012 min
Lab File: VD072662.D
Acq: 21 Apr 2022 11:07

Tgt Ion: 69 Resp: 390
Ion Ratio Lower Upper
69 100
41 139.0 63.0 94.6#
39 65.4 33.8 50.8#

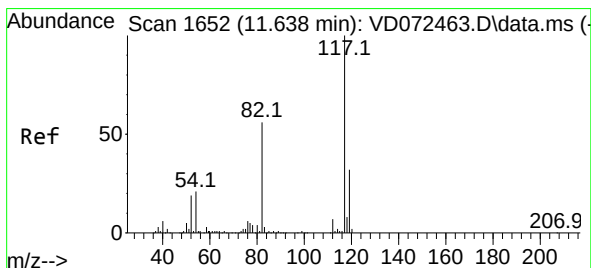
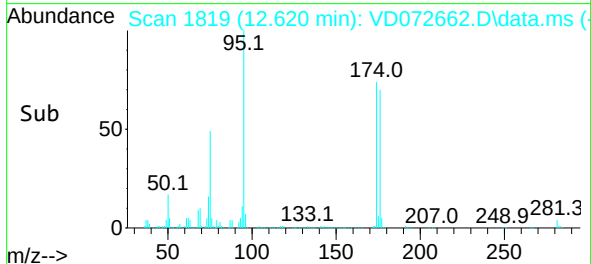
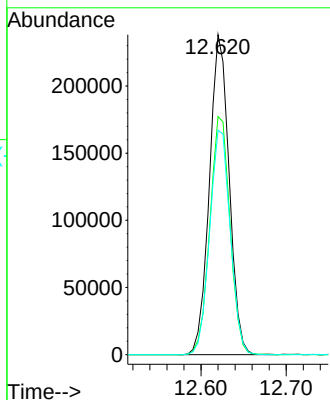
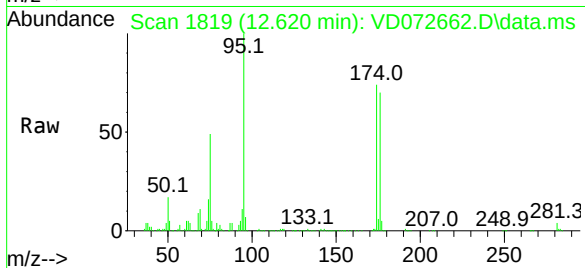




#62
4-Bromofluorobenzene
Concen: 39.135 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072662.D
Acq: 21 Apr 2022 11:07

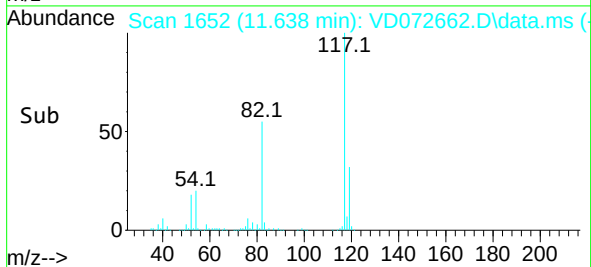
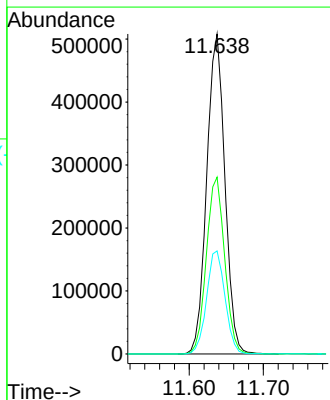
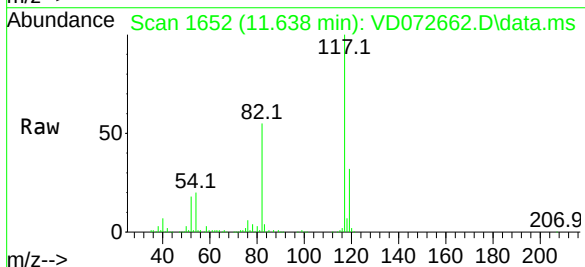
Instrument :
MSVOA_D
ClientSampleId :
VD0421SBL01

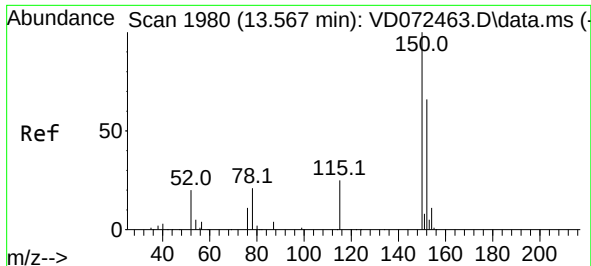
Tgt Ion: 95 Resp: 382959
Ion Ratio Lower Upper
95 100
174 76.1 0.0 152.8
176 73.1 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072662.D
Acq: 21 Apr 2022 11:07

Tgt Ion: 117 Resp: 864860
Ion Ratio Lower Upper
117 100
82 55.2 45.3 67.9
119 32.2 26.6 40.0

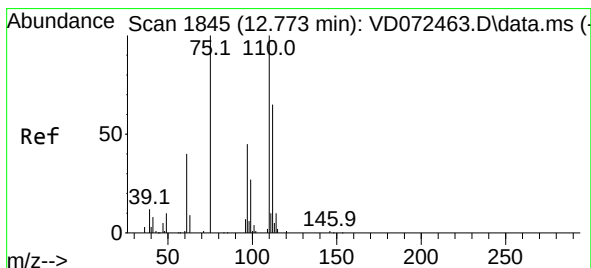
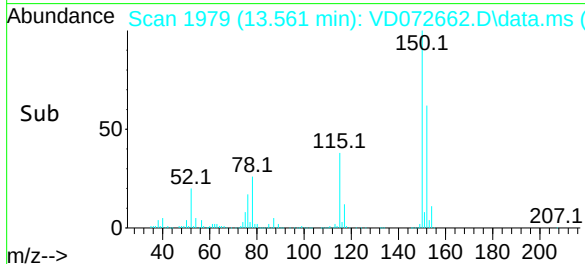
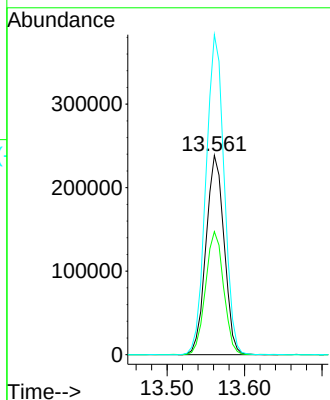
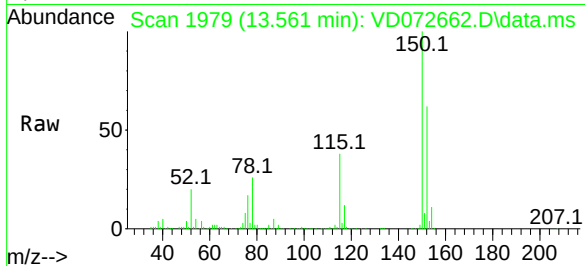




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072662.D
Acq: 21 Apr 2022 11:07

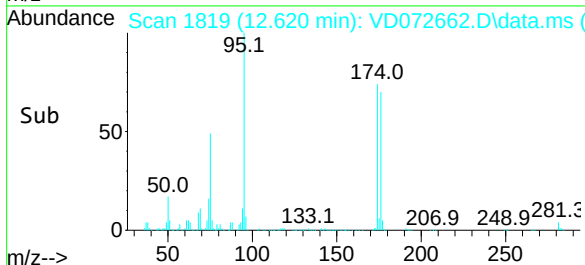
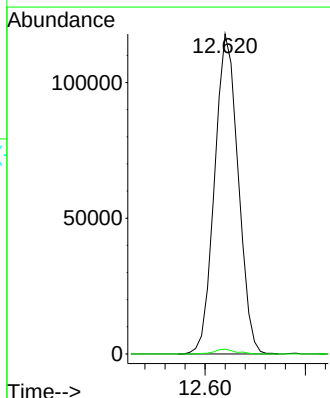
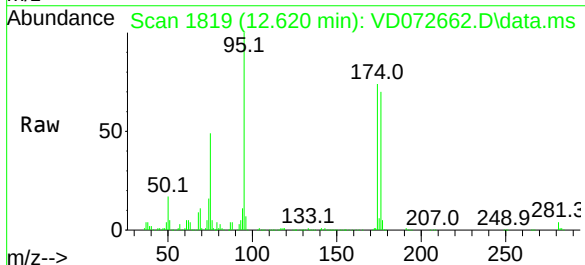
Instrument :
MSVOA_D
ClientSampleId :
VD0421SBL01

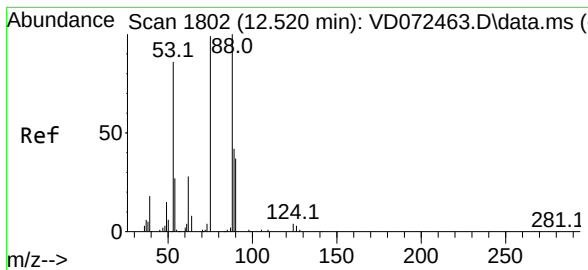
Tgt Ion:152 Resp: 388898
Ion Ratio Lower Upper
152 100
115 61.4 31.3 93.8
150 160.6 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 45.323 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072662.D
Acq: 21 Apr 2022 11:07

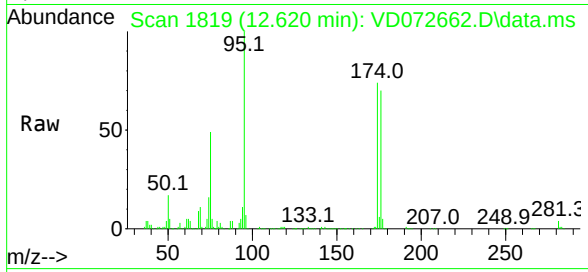
Tgt Ion: 75 Resp: 192240
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 111.214 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD072662.D
 Acq: 21 Apr 2022 11:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0421SBL01



Tgt Ion: 75 Resp: 192240
 Ion Ratio Lower Upper
 75 100
 53 0.2 86.5 129.7#
 89 0.0 33.9 50.9#

