

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110223\
 Data File : VD077491.D
 Acq On : 02 Nov 2023 15:44
 Operator : JC/SY
 Sample : 05213-01
 Misc : 5.01G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 03 01:04:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D103023S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 31 04:19:17 2023
 Response via : Initial Calibration

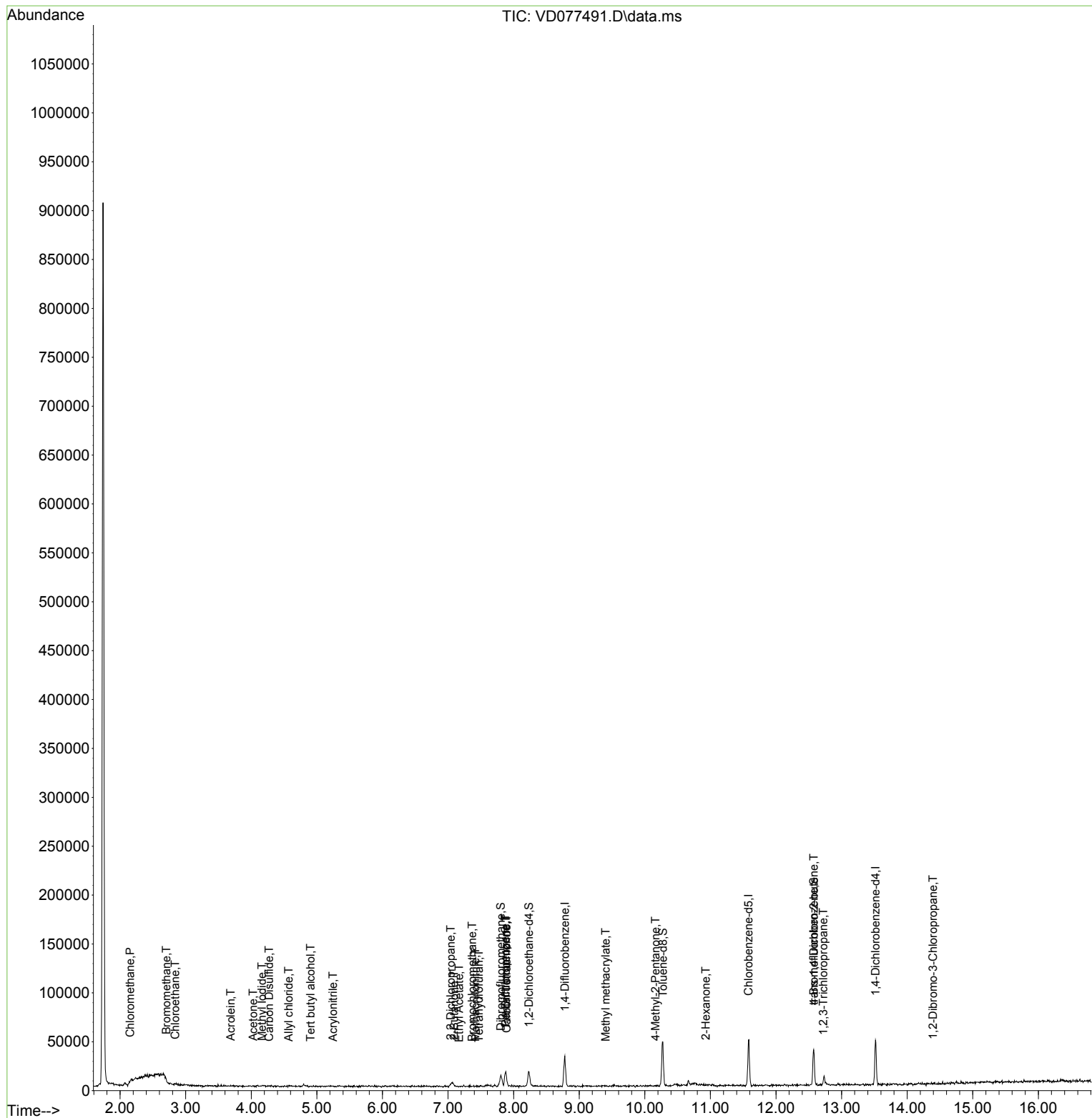
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

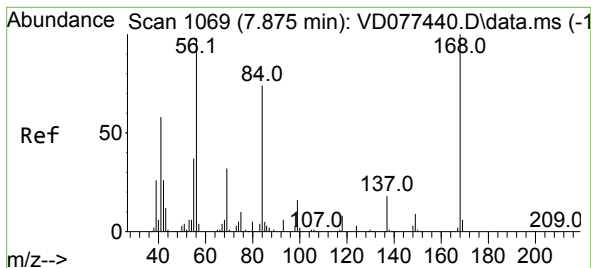
Internal Standards						
1) Pentafluorobenzene	7.881	168	11090	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	23019	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	24265	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	10985	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	12066	76.943	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 153.880%			
35) Dibromofluoromethane	7.805	113	8588	53.979	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.960%			
50) Toluene-d8	10.275	98	31523	51.010	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.020%			
62) 4-Bromofluorobenzene	12.575	95	11633	55.890	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 111.780%			
Target Compounds					Qvalue	
3) Chloromethane	2.152	50	310	2.184	ug/l #	74
5) Bromomethane	2.705	94	435	5.996	ug/l #	30
6) Chloroethane	2.840	64	545	5.847	ug/l	

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Quant Time: Nov 03 01:04:05 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D103023S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 31 04:19:17 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD077491.D

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Instrument :

MSVOA_D

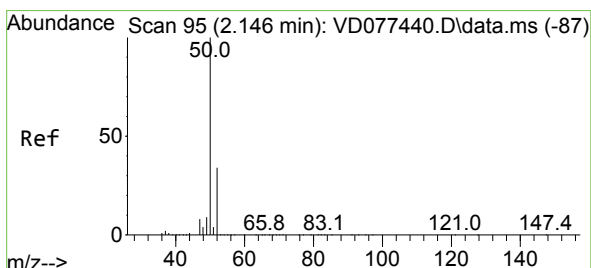
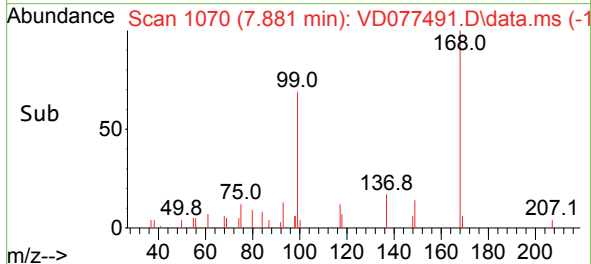
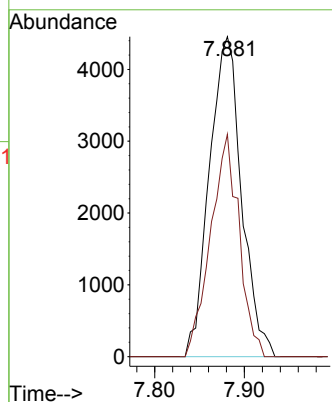
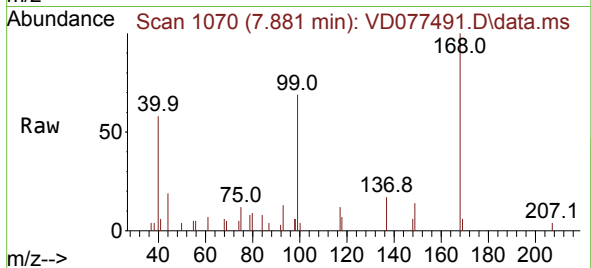
ClientSampleId :

Tgt Ion:168 Resp: 11090

Ion Ratio Lower Upper

168 100

99 69.5 36.7 55.1#



#3

Chloromethane

Concen: 2.184 ug/l

RT: 2.152 min Scan# 96

Delta R.T. 0.006 min

Lab File: VD077491.D

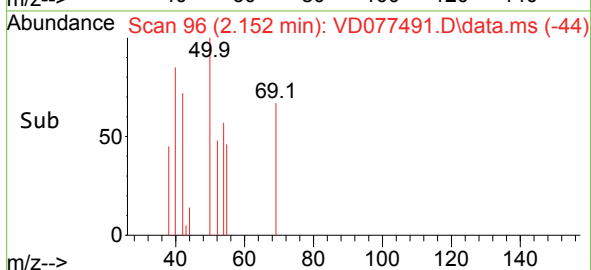
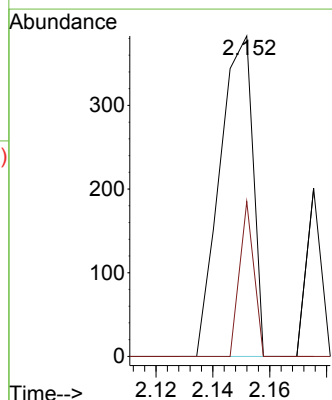
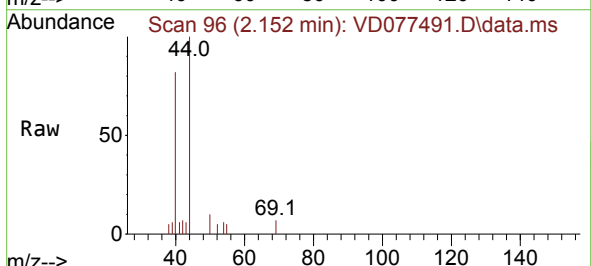
Acq: 02 Nov 2023 15:44

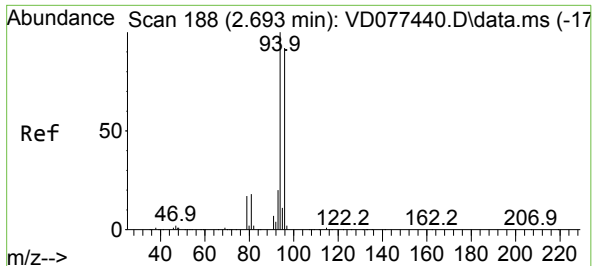
Tgt Ion: 50 Resp: 310

Ion Ratio Lower Upper

50 100

52 48.3 26.6 40.0#

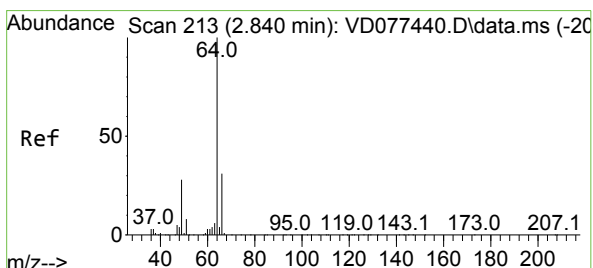
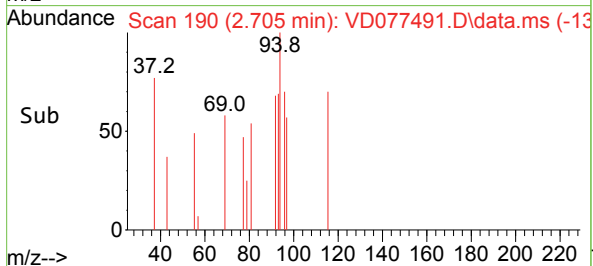
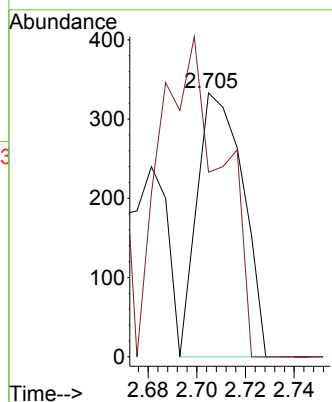
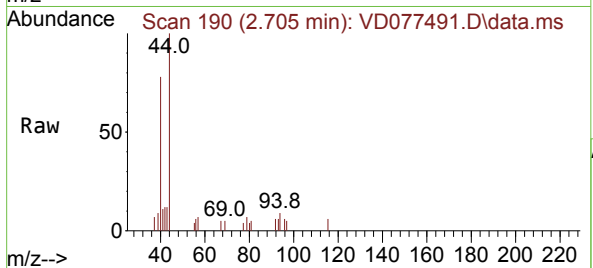




#5
Bromomethane
Concen: 5.996 ug/l
RT: 2.705 min Scan# 190
Delta R.T. 0.012 min
Lab File: VD077491.D
Acq: 02 Nov 2023 15:44

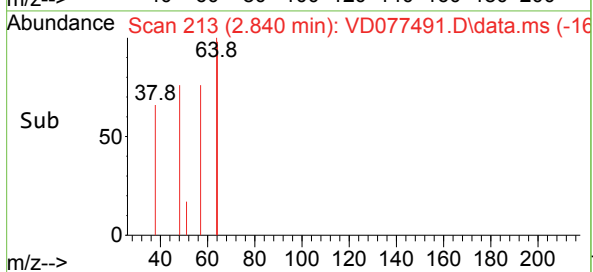
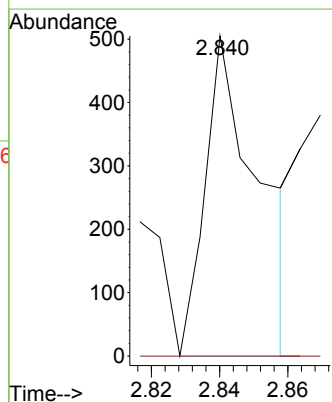
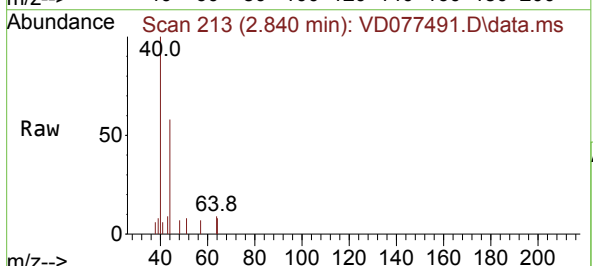
Instrument :
MSVOA_D
ClientSampleId :

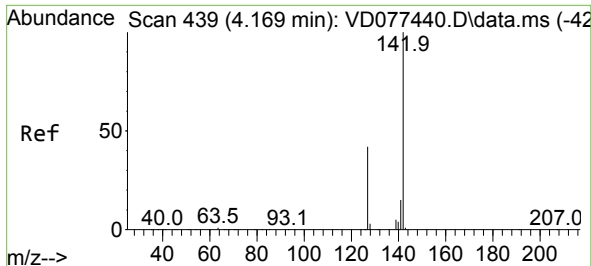
Tgt Ion: 94 Resp: 435
Ion Ratio Lower Upper
94 100
96 162.3 75.8 113.8#



#6
Chloroethane
Concen: 5.847 ug/l
RT: 2.840 min Scan# 213
Delta R.T. 0.000 min
Lab File: VD077491.D
Acq: 02 Nov 2023 15:44

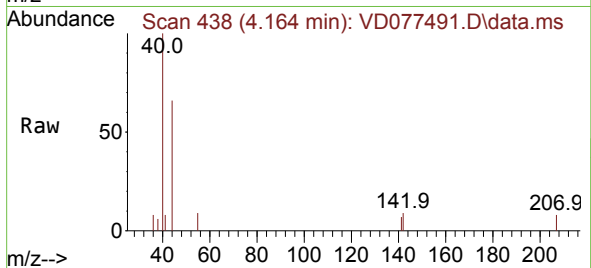
Tgt Ion: 64 Resp: 545
Ion Ratio Lower Upper
64 100
66 0.0 25.5 38.3#



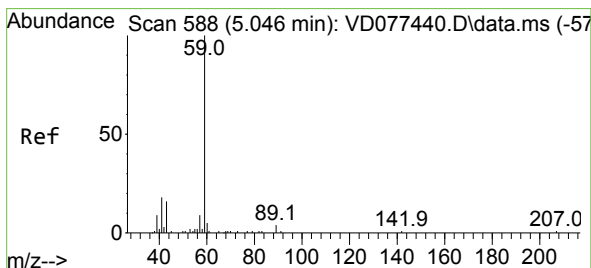
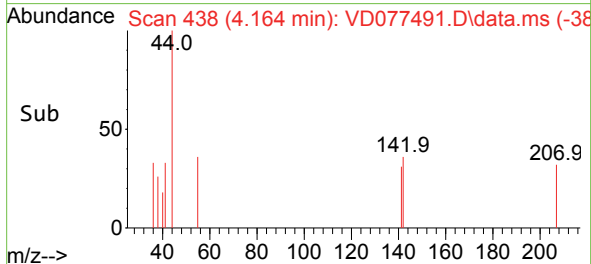
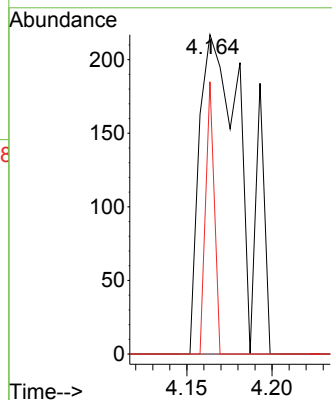


#10
Methyl Iodide
Concen: 5.633 ug/l
RT: 4.164 min Scan# 41
Delta R.T. -0.005 min
Lab File: VD077491.D
Acq: 02 Nov 2023 15:44

Instrument :
MSVOA_D
ClientSampleId :

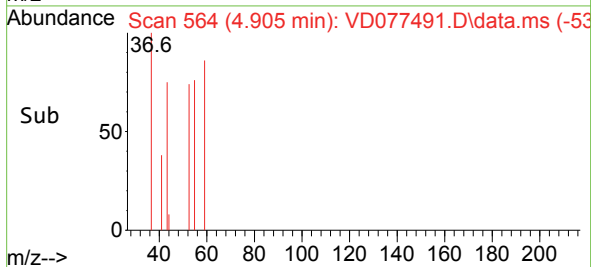
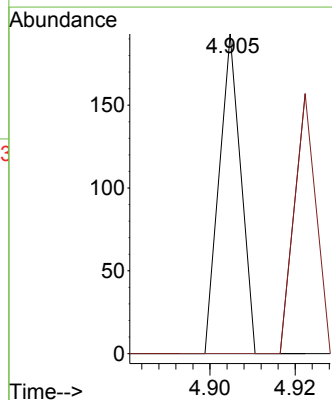
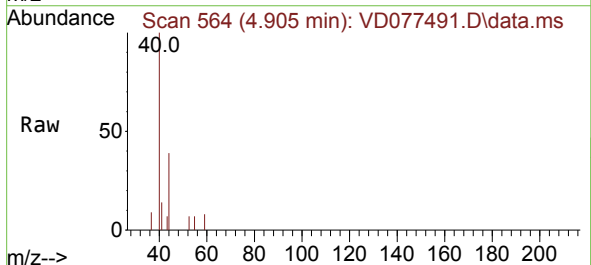


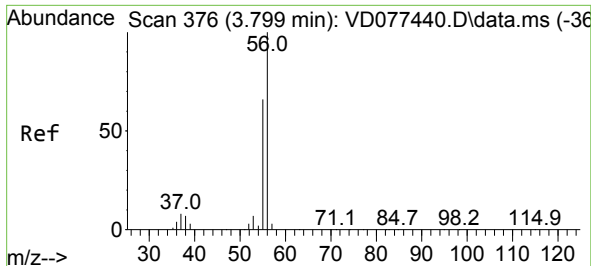
Tgt Ion:142 Resp: 392
Ion Ratio Lower Upper
142 100
127 0.0 29.4 44.0#
141 16.6 11.1 16.7



#11
Tert butyl alcohol
Concen: 5.474 ug/l
RT: 4.905 min Scan# 564
Delta R.T. -0.141 min
Lab File: VD077491.D
Acq: 02 Nov 2023 15:44

Tgt Ion: 59 Resp: 68
Ion Ratio Lower Upper
59 100
57 80.9 7.8 11.8#

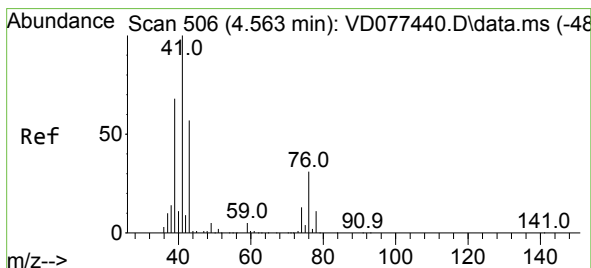
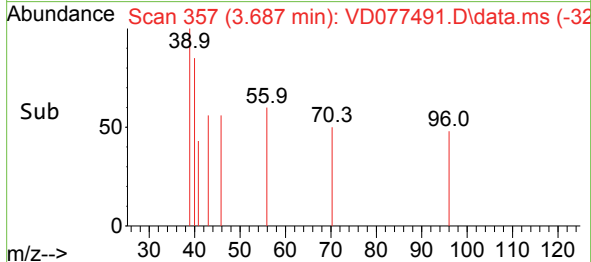
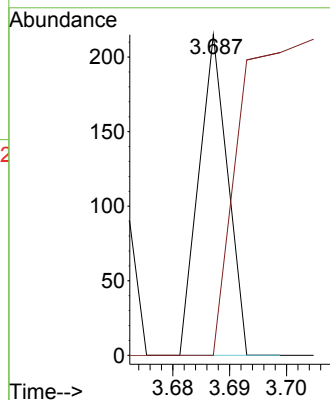
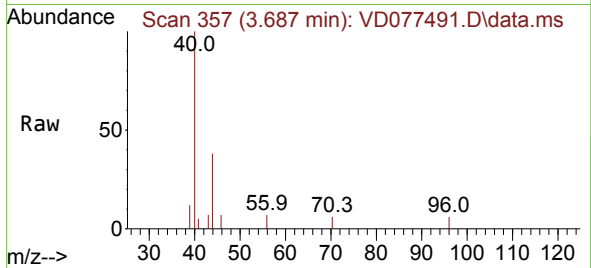




#13
Acrolein
Concen: 4.640 ug/l
RT: 3.687 min Scan# 31
Delta R.T. -0.112 min
Lab File: VD077491.D
Acq: 02 Nov 2023 15:44

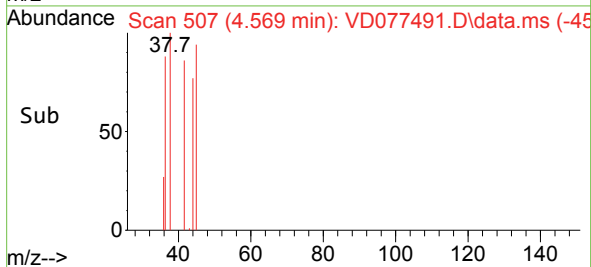
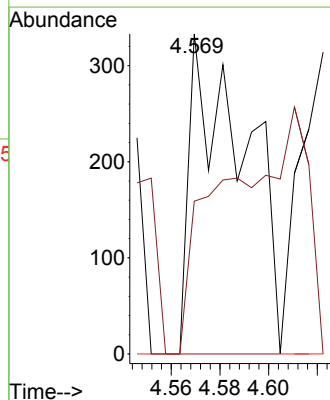
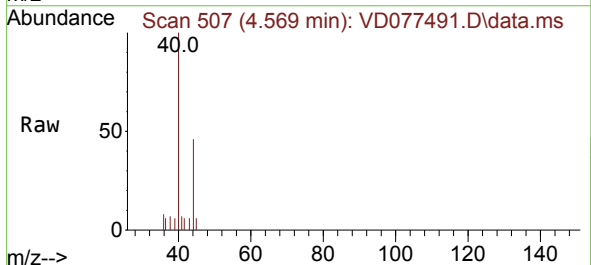
Instrument :
MSVOA_D
ClientSampleId :

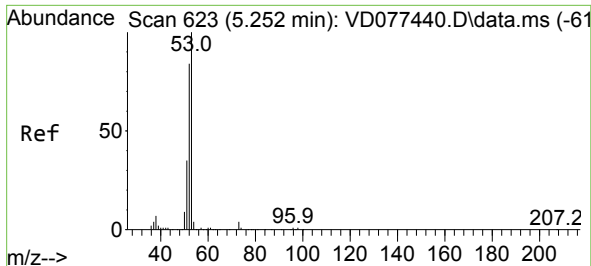
Tgt Ion: 56 Resp: 76
Ion Ratio Lower Upper
56 100
55 284.2 55.1 82.7#



#14
Allyl chloride
Concen: 1.953 ug/l
RT: 4.569 min Scan# 507
Delta R.T. 0.006 min
Lab File: VD077491.D
Acq: 02 Nov 2023 15:44

Tgt Ion: 41 Resp: 522
Ion Ratio Lower Upper
41 100
39 58.0 53.8 80.6
76 0.0 45.8 68.8#

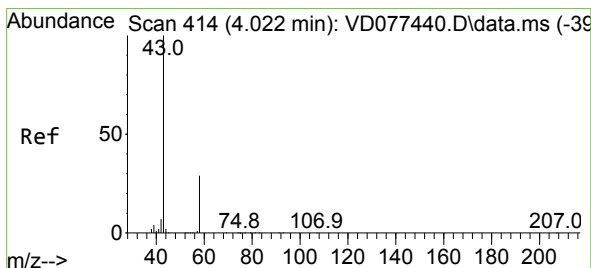
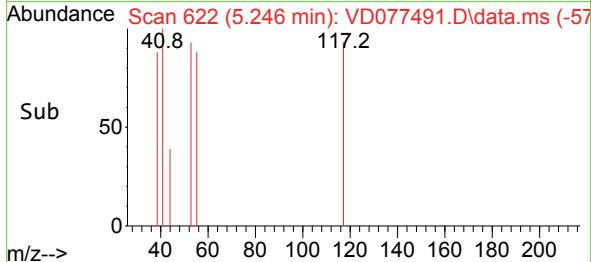
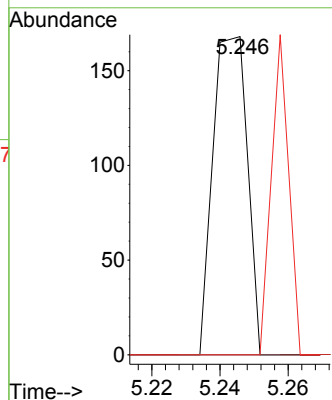
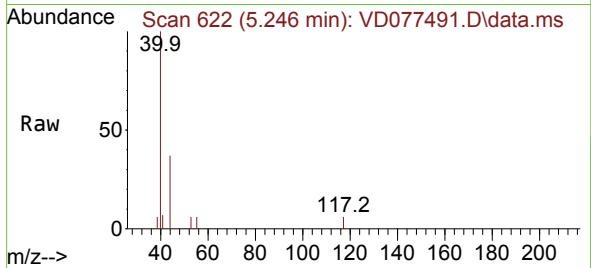




#15
Acrylonitrile
Concen: 3.132 ug/l
RT: 5.246 min Scan# 61
Delta R.T. -0.006 min
Lab File: VD077491.D
Acq: 02 Nov 2023 15:44

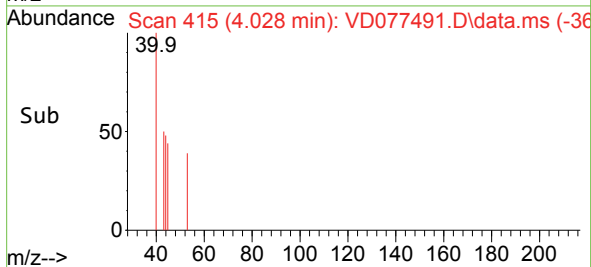
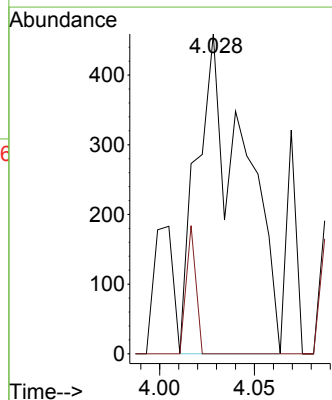
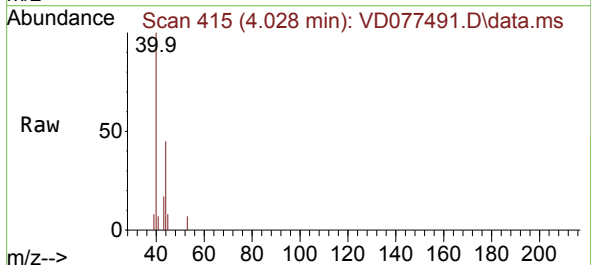
Instrument :
MSVOA_D
ClientSampleId :

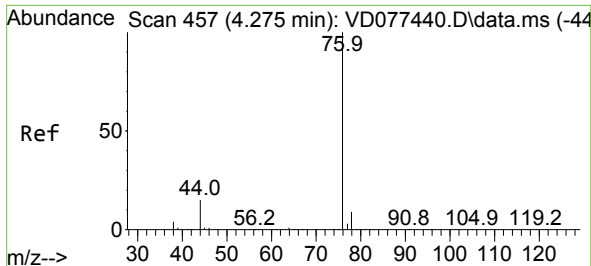
Tgt Ion: 53 Resp: 118
Ion Ratio Lower Upper
53 100
52 0.0 65.0 97.4#
51 50.8 28.3 42.5#



#16
Acetone
Concen: 19.303 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.006 min
Lab File: VD077491.D
Acq: 02 Nov 2023 15:44

Tgt Ion: 43 Resp: 801
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#





#17

Carbon Disulfide

Concen: 3.916 ug/l

RT: 4.269 min Scan# 41

Delta R.T. -0.006 min

Lab File: VD077491.D

Acq: 02 Nov 2023 15:44

Instrument :

MSVOA_D

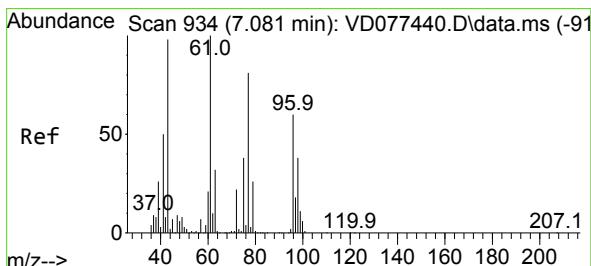
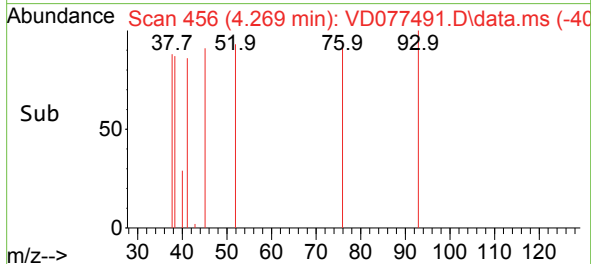
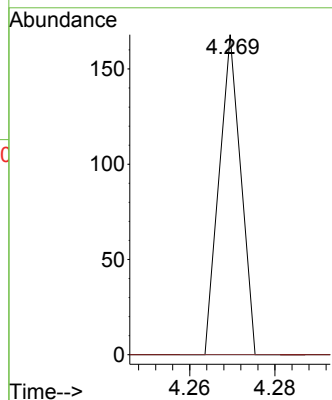
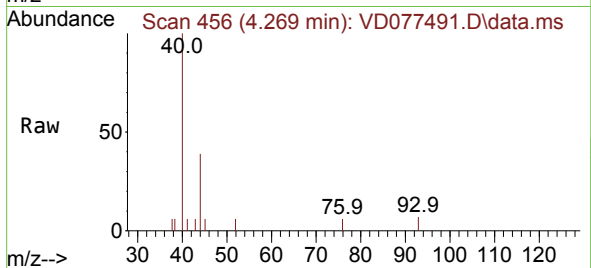
ClientSampleId :

Tgt Ion: 76 Resp: 59

Ion Ratio Lower Upper

76 100

78 0.0 6.8 10.2#



#25

2-Butanone

Concen: 7.751 ug/l

RT: 7.093 min Scan# 936

Delta R.T. 0.012 min

Lab File: VD077491.D

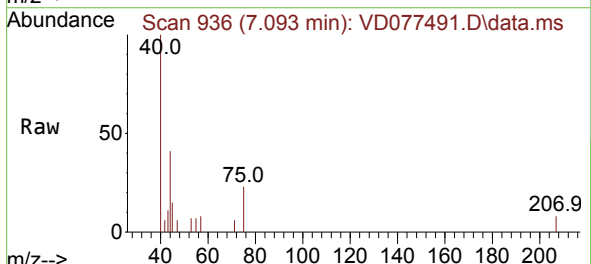
Acq: 02 Nov 2023 15:44

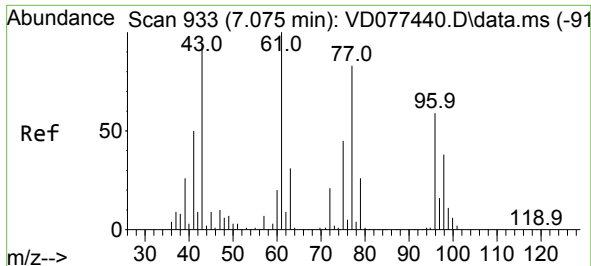
Tgt Ion: 43 Resp: 429

Ion Ratio Lower Upper

43 100

72 0.0 30.7 46.1#

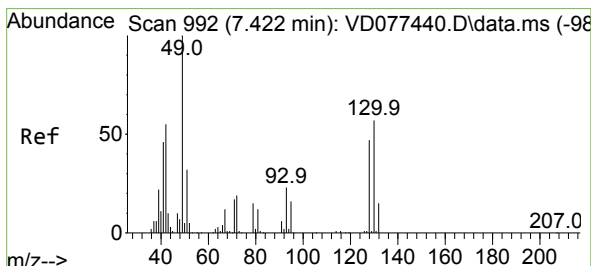
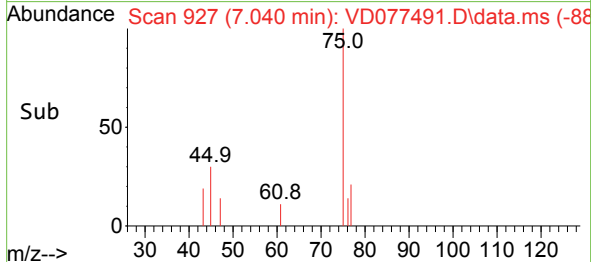
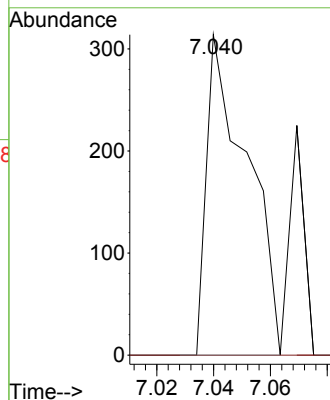
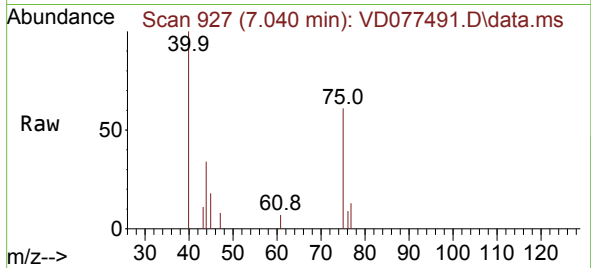




#26
2,2-Dichloropropane
Concen: 1.194 ug/l
RT: 7.040 min Scan# 91
Delta R.T. -0.035 min
Lab File: VD077491.D
Acq: 02 Nov 2023 15:44

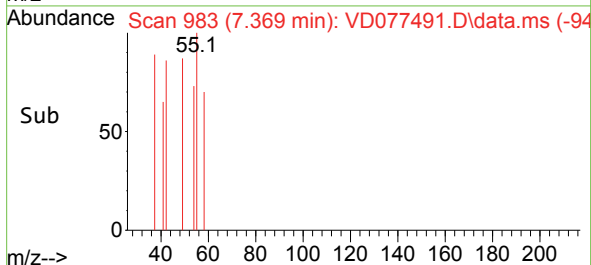
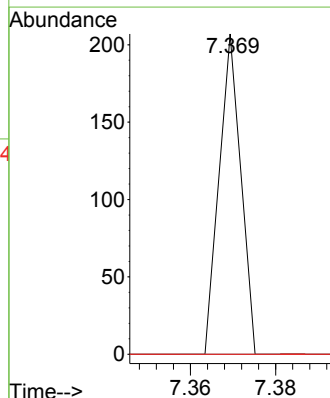
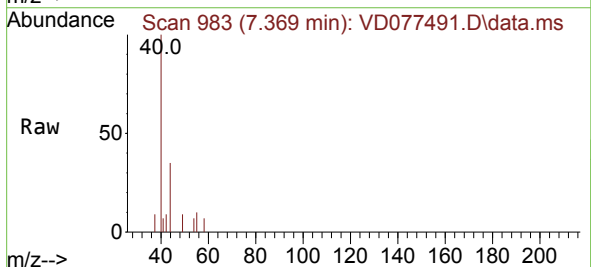
Instrument :
MSVOA_D
ClientSampleId :

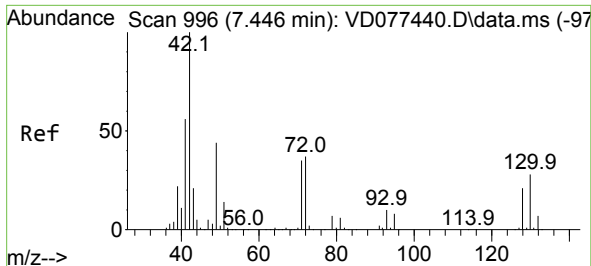
Tgt Ion: 77 Resp: 312
Ion Ratio Lower Upper
77 100
97 0.0 13.2 39.6#



#28
Bromochloromethane
Concen: 2.629 ug/l
RT: 7.369 min Scan# 983
Delta R.T. -0.053 min
Lab File: VD077491.D
Acq: 02 Nov 2023 15:44

Tgt Ion: 49 Resp: 73
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 0.0 83.2 124.8#





#29

Tetrahydrofuran

Concen: 4.082 ug/l

RT: 7.469 min Scan# 1130

Delta R.T. 0.024 min

Lab File: VD077491.D

Acq: 02 Nov 2023 15:44

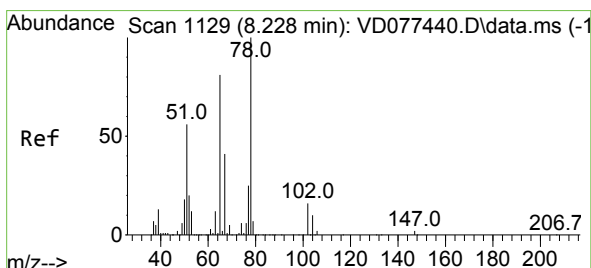
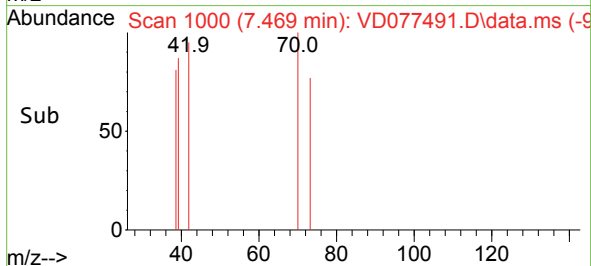
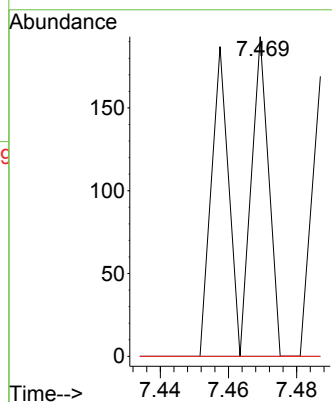
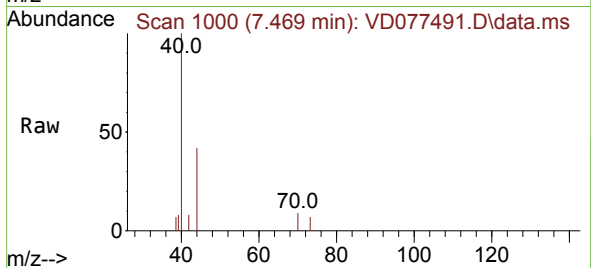
Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 42 Resp: 134

Ion	Ratio	Lower	Upper
42	100		
72	0.0	46.5	69.7#
71	0.0	44.5	66.7#



#33

1,2-Dichloroethane-d4

Concen: 76.943 ug/l

RT: 8.234 min Scan# 1130

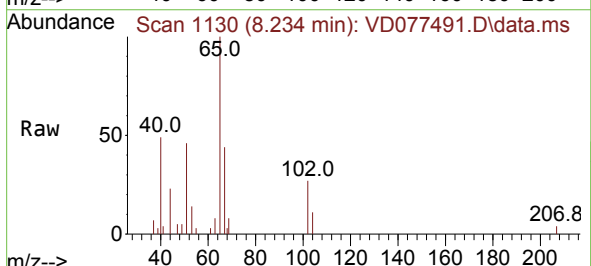
Delta R.T. 0.006 min

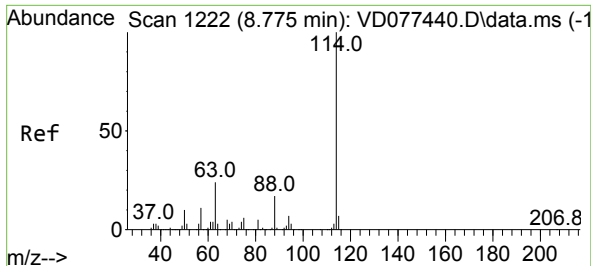
Lab File: VD077491.D

Acq: 02 Nov 2023 15:44

Tgt Ion: 65 Resp: 12066

Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	115.0

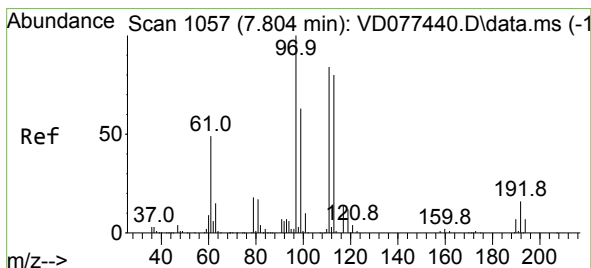
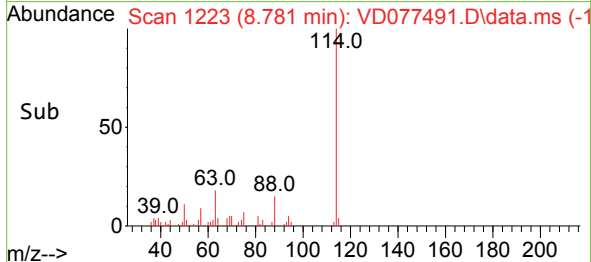
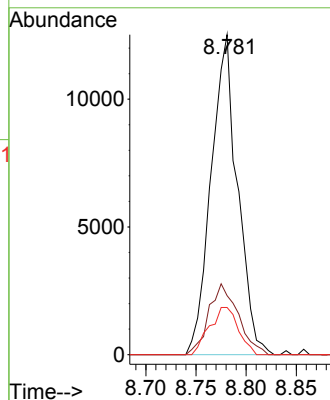
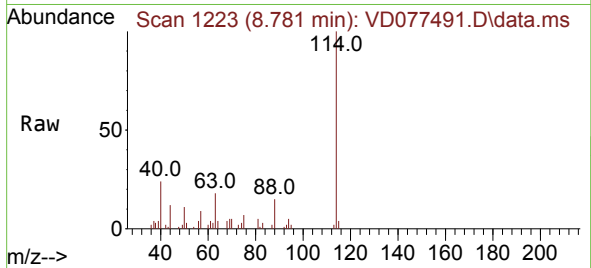




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD077491.D
Acq: 02 Nov 2023 15:44

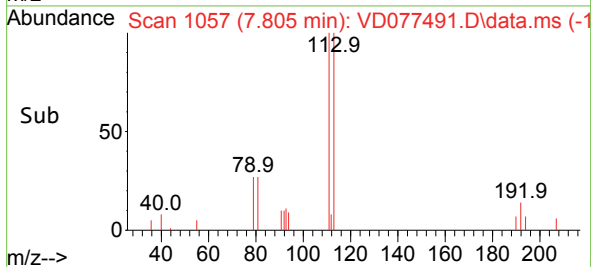
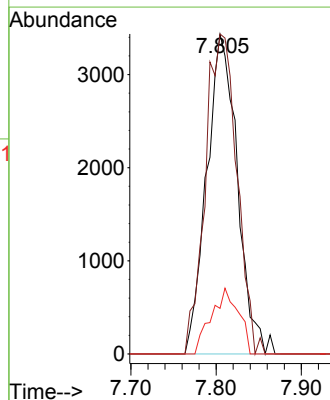
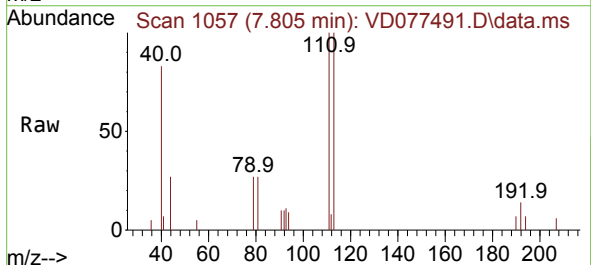
Instrument :
MSVOA_D
ClientSampleId :

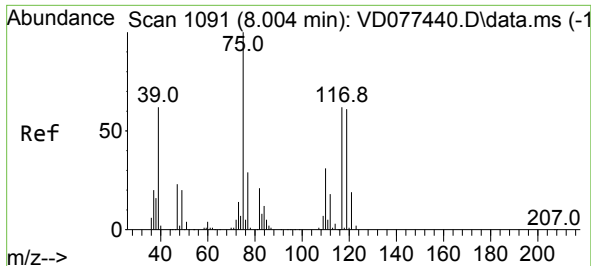
Tgt Ion:114 Resp: 23019
Ion Ratio Lower Upper
114 100
63 18.4 0.0 33.4
88 14.8 0.0 26.2



#35
Dibromofluoromethane
Concen: 53.979 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD077491.D
Acq: 02 Nov 2023 15:44

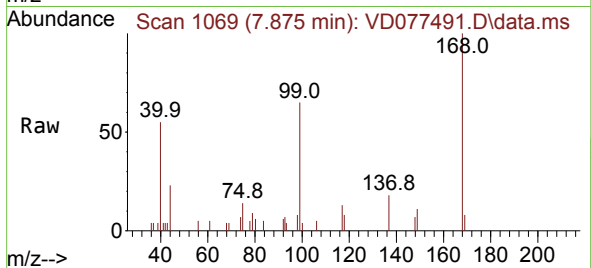
Tgt Ion:113 Resp: 8588
Ion Ratio Lower Upper
113 100
111 102.8 84.7 127.1
192 18.2 16.8 25.2



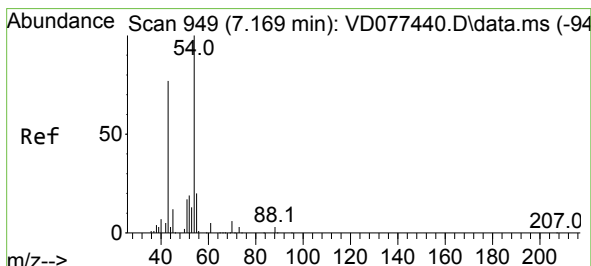
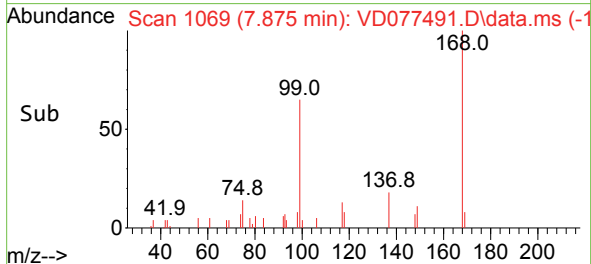
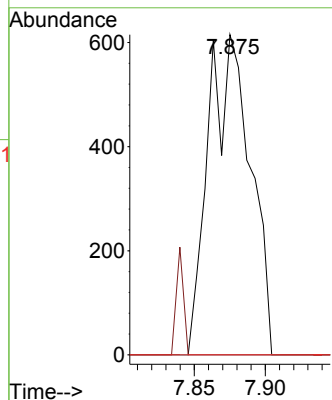


#36
1,1-Dichloropropene
Concen: 5.367 ug/l
RT: 7.875 min Scan# 1091
Delta R.T. -0.129 min
Lab File: VD077491.D
Acq: 02 Nov 2023 15:44

Instrument :
MSVOA_D
ClientSampleId :

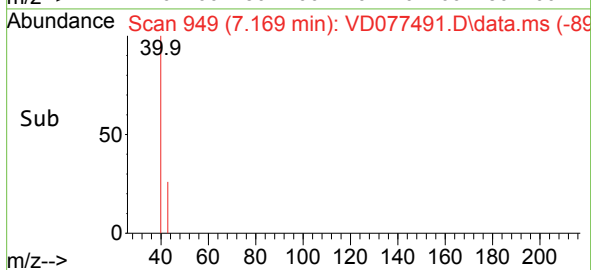
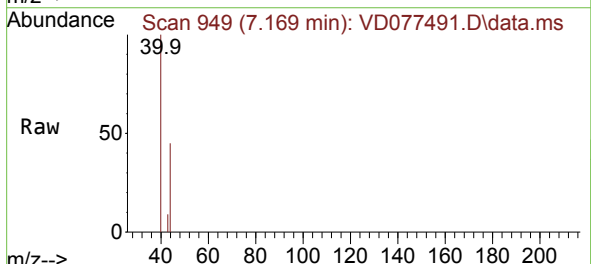
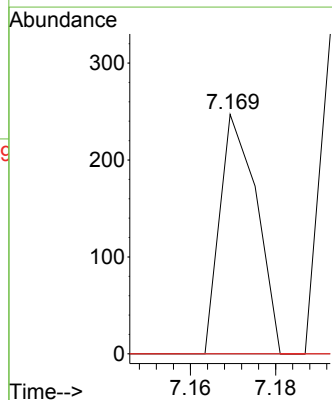


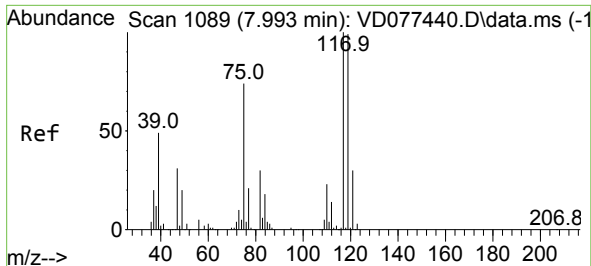
Tgt Ion: 75 Resp: 1266
Ion Ratio Lower Upper
75 100
110 0.0 19.9 59.6#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.093 ug/l
RT: 7.169 min Scan# 949
Delta R.T. 0.000 min
Lab File: VD077491.D
Acq: 02 Nov 2023 15:44

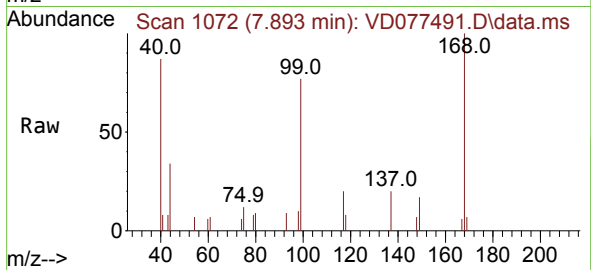
Tgt Ion: 43 Resp: 148
Ion Ratio Lower Upper
43 100
61 0.0 14.9 22.3#
70 0.0 10.0 15.0#



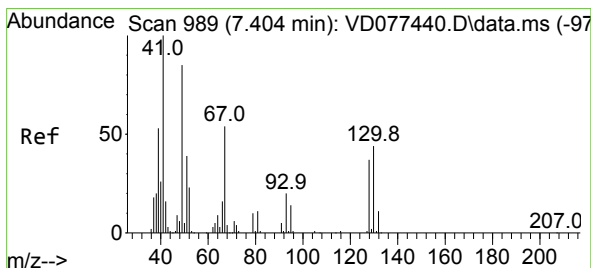
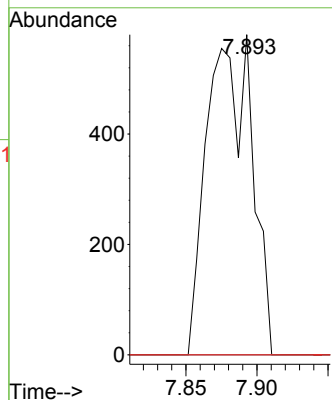
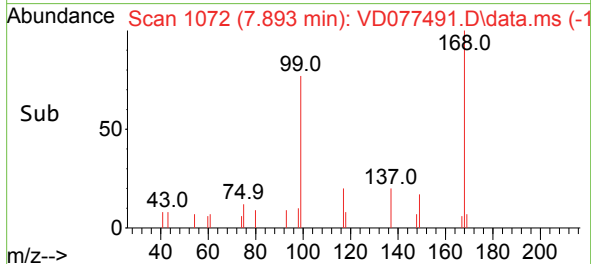


#38
Carbon Tetrachloride
Concen: 5.673 ug/l
RT: 7.893 min Scan# 1089
Delta R.T. -0.100 min
Lab File: VD077491.D
Acq: 02 Nov 2023 15:44

Instrument :
MSVOA_D
ClientSampleId :

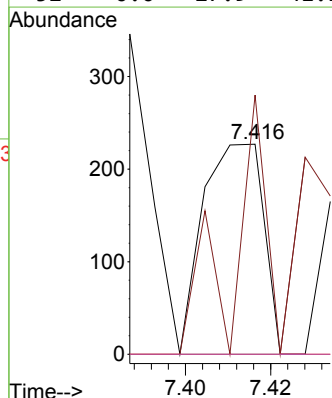
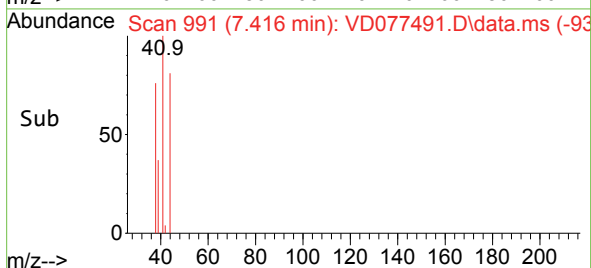
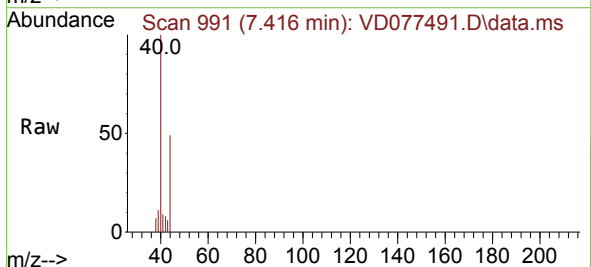


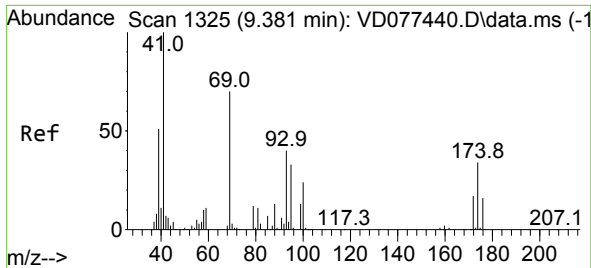
Tgt Ion:117 Resp: 1261
Ion Ratio Lower Upper
117 100
119 0.0 78.0 117.0#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 2.586 ug/l
RT: 7.416 min Scan# 991
Delta R.T. 0.012 min
Lab File: VD077491.D
Acq: 02 Nov 2023 15:44

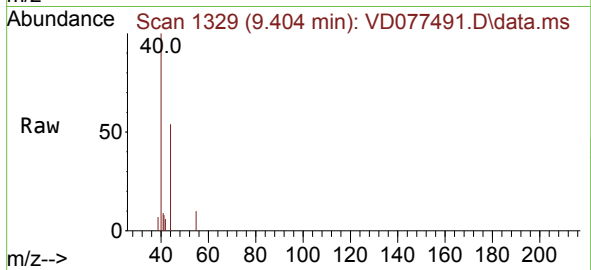
Tgt Ion: 41 Resp: 224
Ion Ratio Lower Upper
41 100
39 68.3 34.0 51.0#
67 0.0 77.0 115.4#
52 0.0 27.9 41.9#



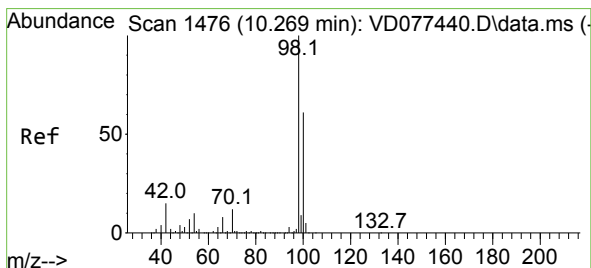
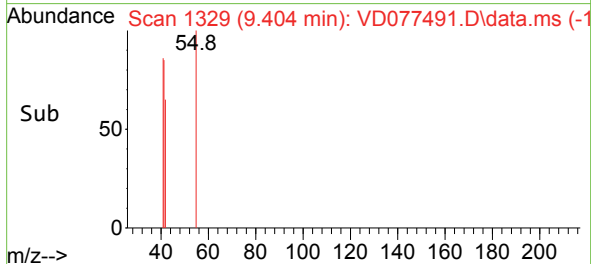
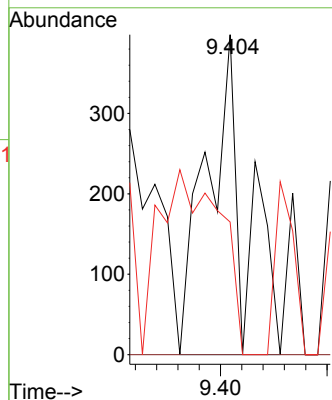


#48
Methyl methacrylate
Concen: 3.780 ug/l
RT: 9.404 min Scan# 11
Delta R.T. 0.024 min
Lab File: VD077491.D
Acq: 02 Nov 2023 15:44

Instrument :
MSVOA_D
ClientSampleId :

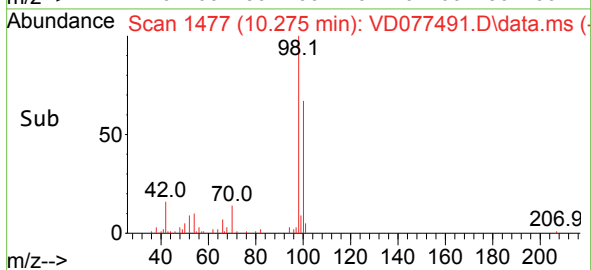
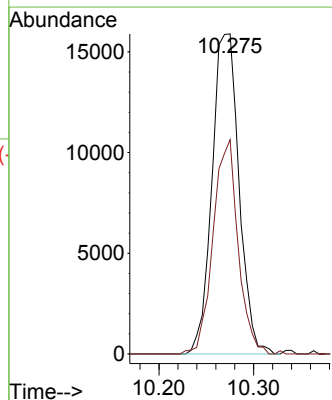
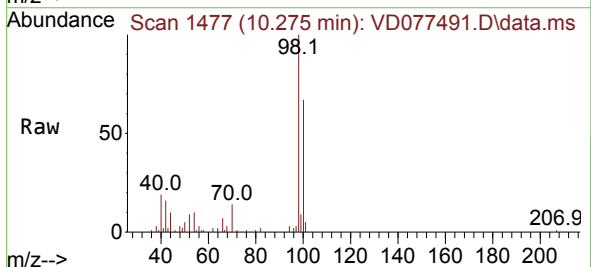


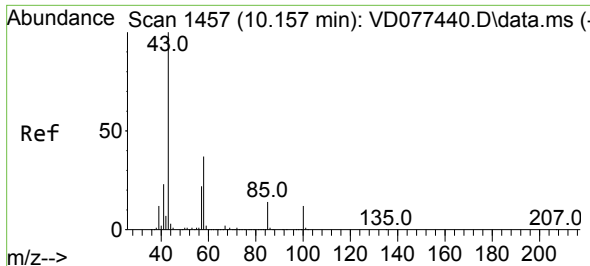
Tgt Ion: 41 Resp: 504
Ion Ratio Lower Upper
41 100
69 0.0 102.2 153.2#
39 0.0 41.4 62.2#



#50
Toluene-d8
Concen: 51.010 ug/l
RT: 10.275 min Scan# 1477
Delta R.T. 0.006 min
Lab File: VD077491.D
Acq: 02 Nov 2023 15:44

Tgt Ion: 98 Resp: 31523
Ion Ratio Lower Upper
98 100
100 61.9 50.3 75.5

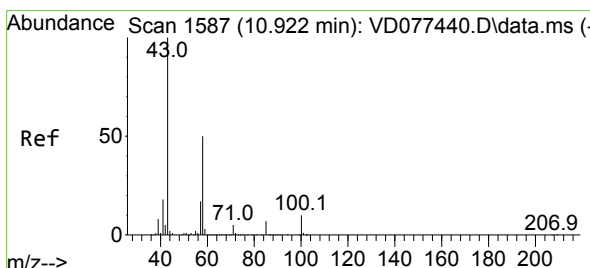
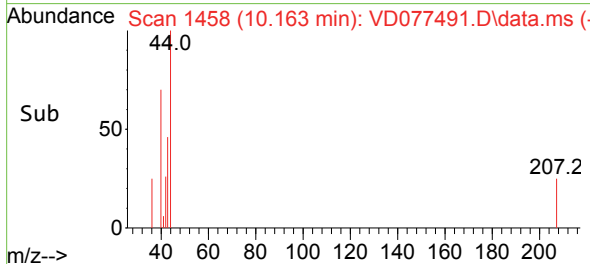
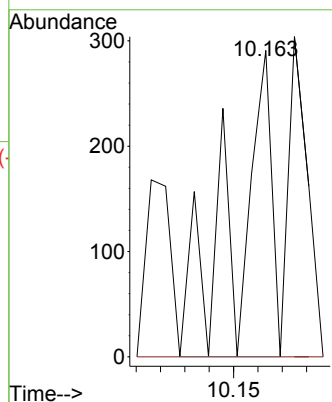
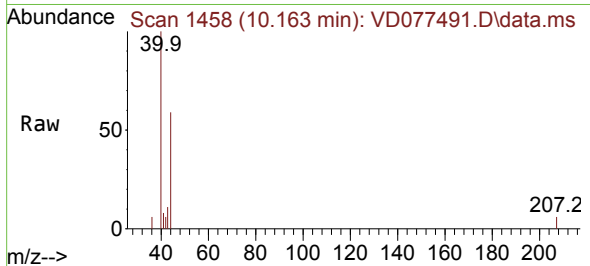




#51
4-Methyl-2-Pentanone
Concen: 2.204 ug/l
RT: 10.163 min Scan# 1457
Delta R.T. 0.006 min
Lab File: VD077491.D
Acq: 02 Nov 2023 15:44

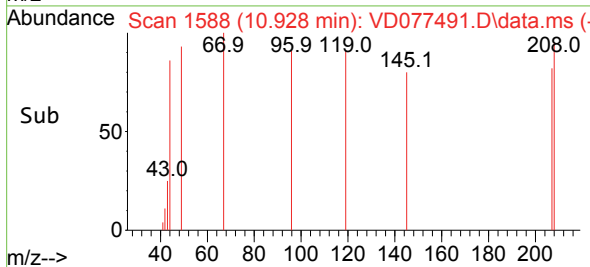
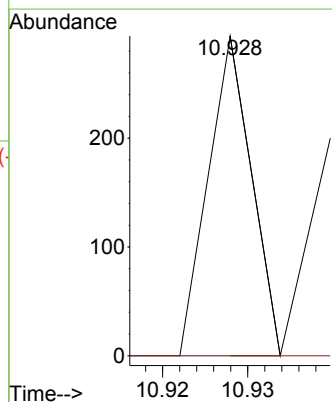
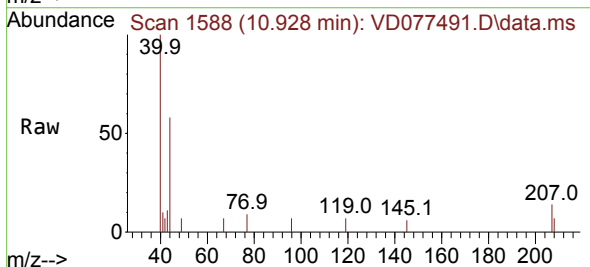
Instrument :
MSVOA_D
ClientSampleId :

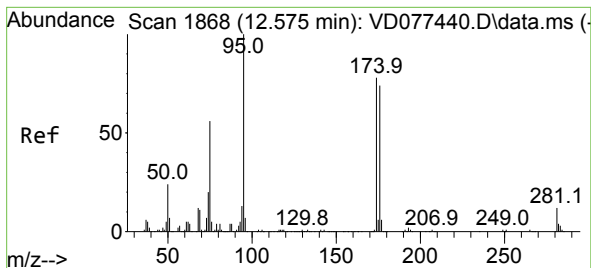
Tgt Ion: 43 Resp: 303
Ion Ratio Lower Upper
43 100
58 0.0 38.9 58.3#



#59
2-Hexanone
Concen: 1.027 ug/l
RT: 10.928 min Scan# 1588
Delta R.T. 0.006 min
Lab File: VD077491.D
Acq: 02 Nov 2023 15:44

Tgt Ion: 43 Resp: 104
Ion Ratio Lower Upper
43 100
58 0.0 34.1 102.2#

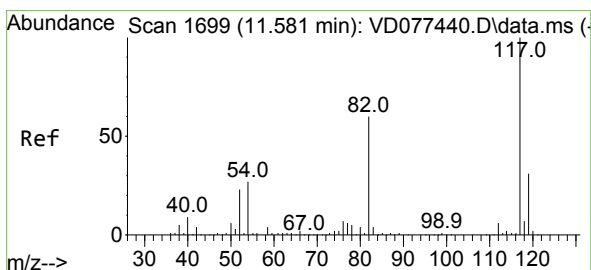
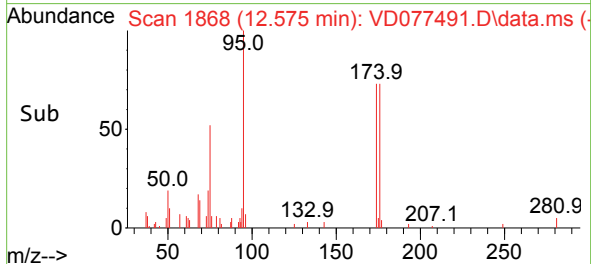
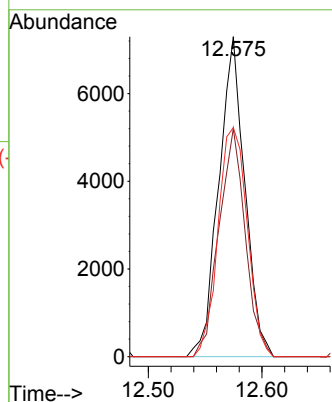
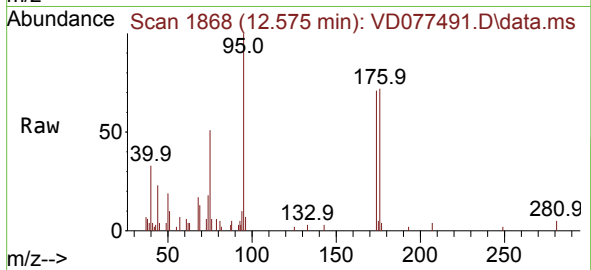




#62
4-Bromofluorobenzene
Concen: 55.890 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077491.D
Acq: 02 Nov 2023 15:44

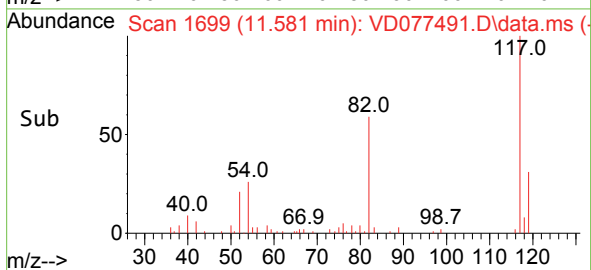
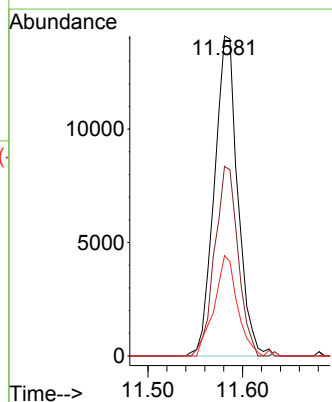
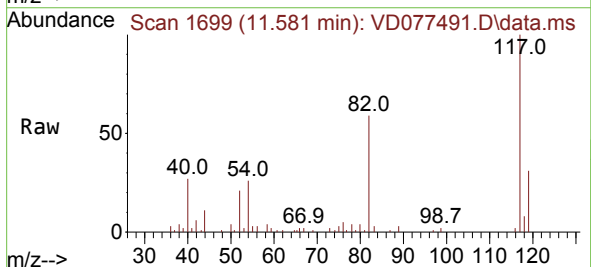
Instrument :
MSVOA_D
ClientSampleId :

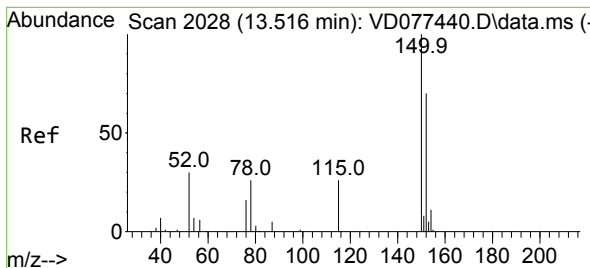
Tgt Ion: 95 Resp: 11633
Ion Ratio Lower Upper
95 100
174 71.9 0.0 201.8
176 80.0 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD077491.D
Acq: 02 Nov 2023 15:44

Tgt Ion: 117 Resp: 24265
Ion Ratio Lower Upper
117 100
82 59.3 38.3 57.5#
119 31.4 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. 0.000 min

Lab File: VD077491.D

Acq: 02 Nov 2023 15:44

Instrument :

MSVOA_D

ClientSampleId :

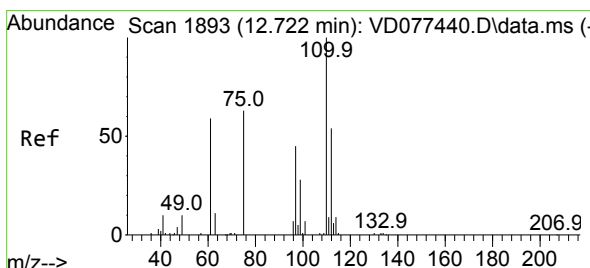
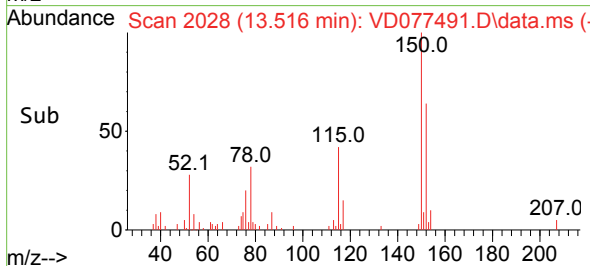
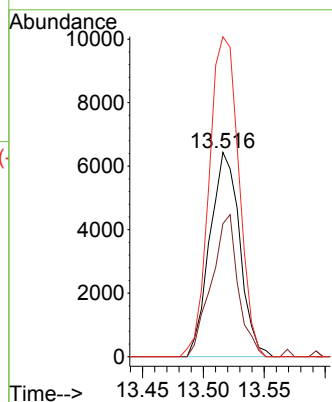
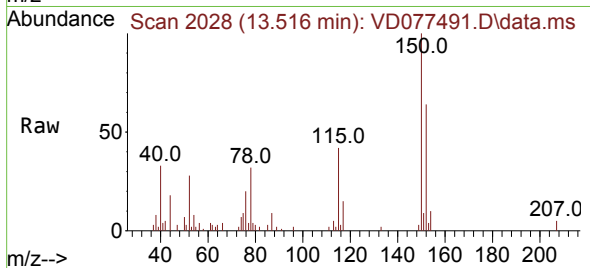
Tgt Ion:152 Resp: 10985

Ion Ratio Lower Upper

152 100

115 62.3 27.1 81.3

150 155.7 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 2.969 ug/l

RT: 12.722 min Scan# 1893

Delta R.T. 0.000 min

Lab File: VD077491.D

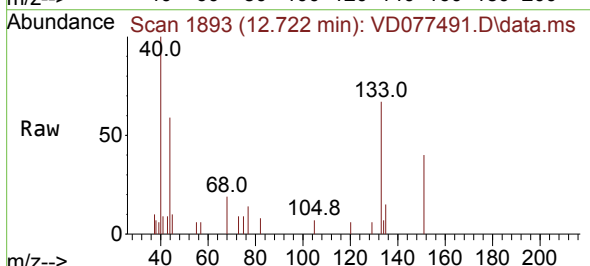
Acq: 02 Nov 2023 15:44

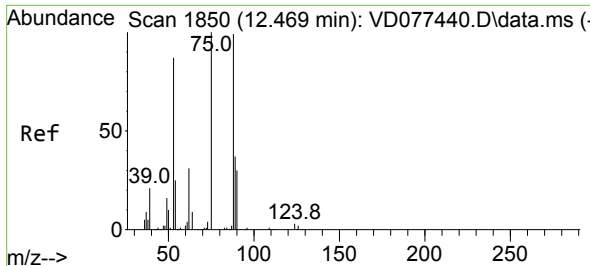
Tgt Ion: 75 Resp: 397

Ion Ratio Lower Upper

75 100

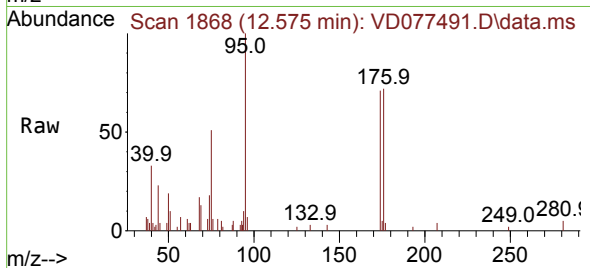
77 256.2 0.0 0.0#



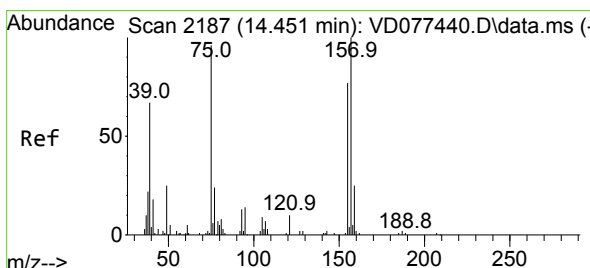
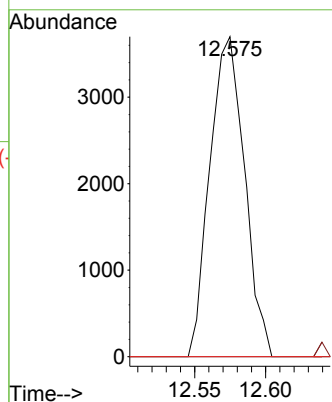
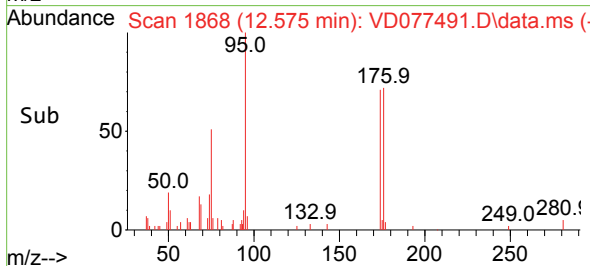


#81
trans-1,4-Dichloro-2-butene
Concen: 90.920 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077491.D
Acq: 02 Nov 2023 15:44

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 6293
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.860 ug/l
RT: 14.392 min Scan# 2177
Delta R.T. -0.059 min
Lab File: VD077491.D
Acq: 02 Nov 2023 15:44

Tgt Ion: 75 Resp: 55
Ion Ratio Lower Upper
75 100
155 0.0 47.9 143.8#
157 0.0 59.9 179.7#

