

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD103123\
 Data File : VD077460.D
 Acq On : 31 Oct 2023 14:52
 Operator : JC/SY
 Sample : 05141-03
 Misc : 5.04G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 01 06:07:49 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)

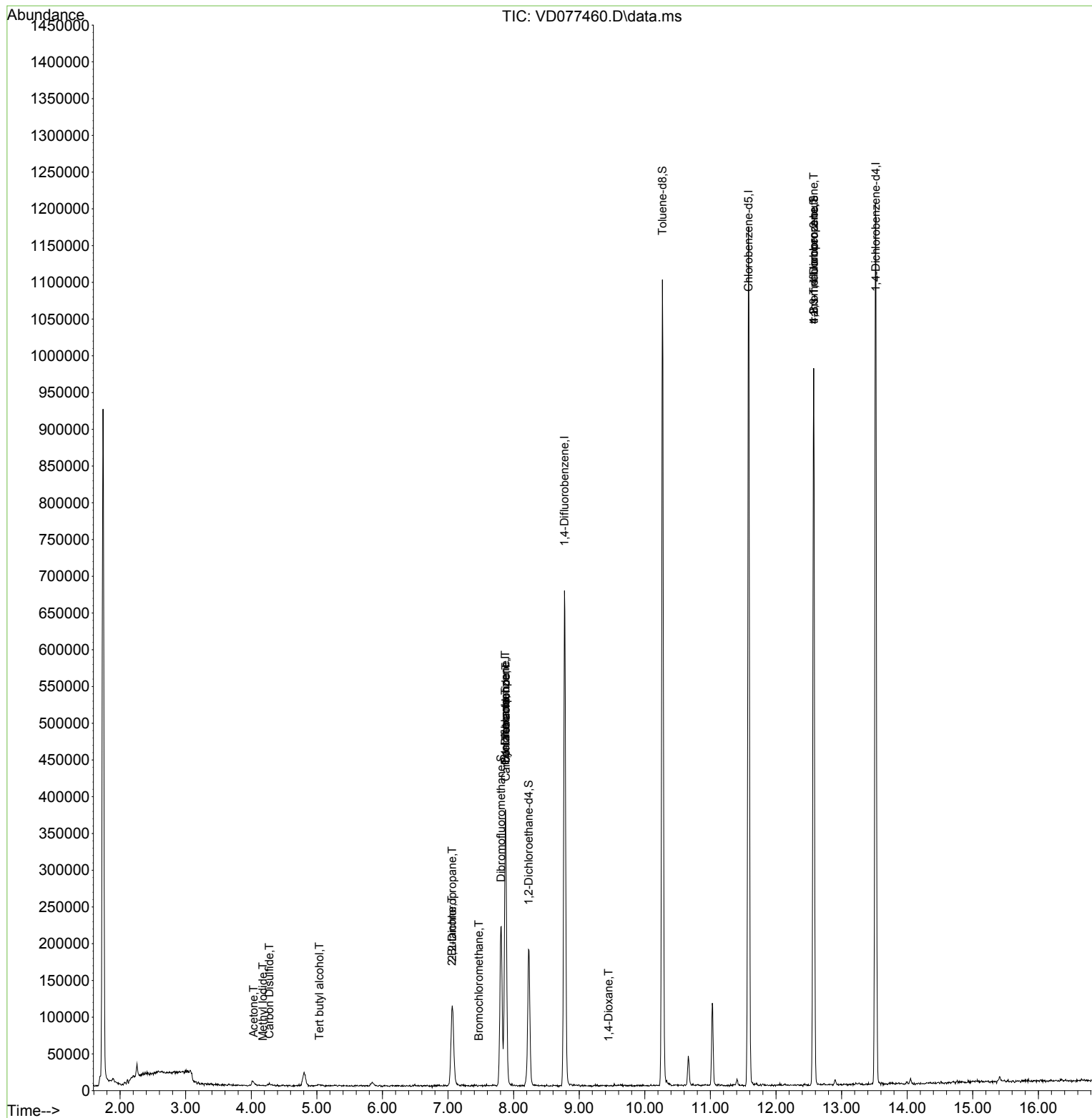
Internal Standards						
1) Pentafluorobenzene	7.875	168	266817	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	537858	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	593448	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	298984	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	146730	38.890	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	77.780%
35) Dibromofluoromethane	7.810	113	160588	43.198	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	86.400%
50) Toluene-d8	10.269	98	705525	48.860	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.720%
62) 4-Bromofluorobenzene	12.575	95	304076	62.524	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	125.040%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.175	142	61	3.164	ug/l #	46
11) Tert butyl alcohol	5.040	59	1481	4.955	ug/l #	82
16) Acetone	4.034	43	11470	11.489	ug/l #	78
17) Carbon Disulfide	4.275	76	3362	4.135	ug/l #	77
25) 2-Butanone	7.058	43	5085	3.819	ug/l #	62
26) 2,2-Dichloropropane	7.063	77	8653	1.377	ug/l #	49
28) Bromochloromethane	7.469	49	57	2.123	ug/l #	1
31) Cyclohexane	7.875	56	7952	1.348	ug/l #	57
36) 1,1-Dichloropropene	7.875	75	25501	4.627	ug/l #	47
38) Carbon Tetrachloride	7.881	117	27643	5.322	ug/l #	14
49) 1,4-Dioxane	9.446	88	62	2.591	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	171046	47.005	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	171046	90.796	ug/l #	17

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD077460.D

Acq: 31 Oct 2023 14:52

Instrument :

MSVOA_D

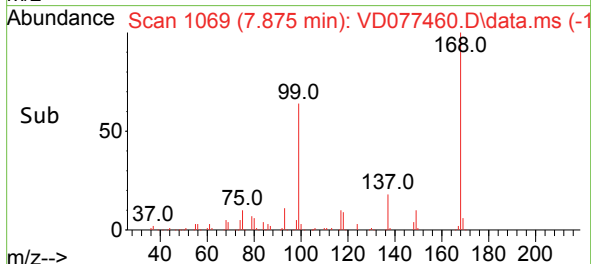
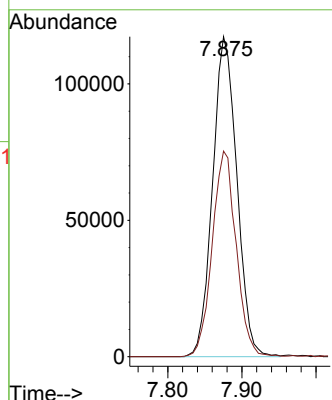
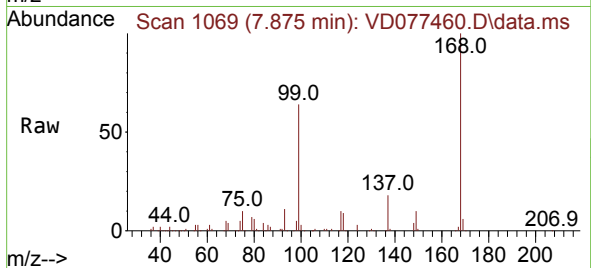
ClientSampleId :

Tgt Ion:168 Resp: 266817

Ion Ratio Lower Upper

168 100

99 64.2 36.7 55.1#



#10

Methyl Iodide

Concen: 3.164 ug/l

RT: 4.175 min Scan# 440

Delta R.T. 0.006 min

Lab File: VD077460.D

Acq: 31 Oct 2023 14:52

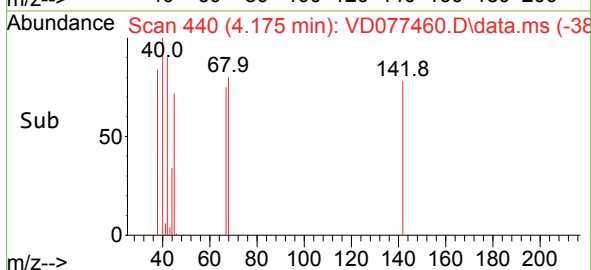
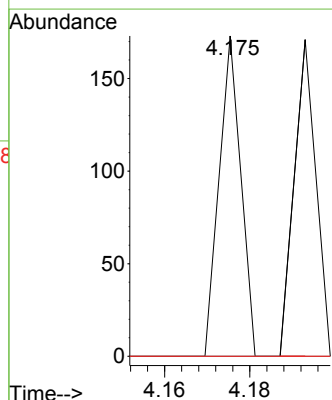
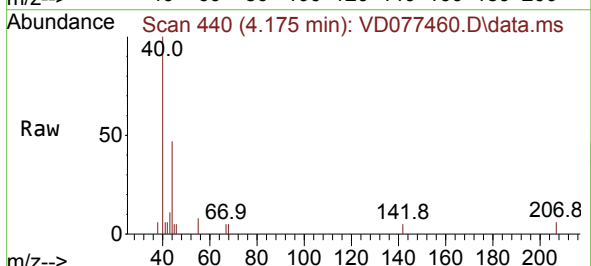
Tgt Ion:142 Resp: 61

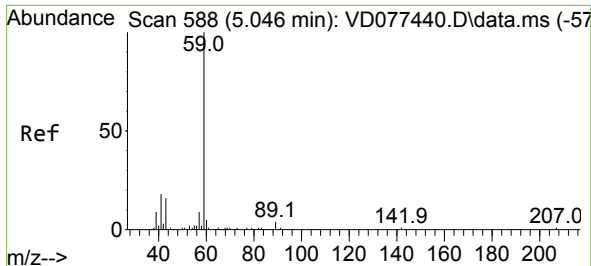
Ion Ratio Lower Upper

142 100

127 0.0 29.4 44.0#

141 0.0 11.1 16.7#

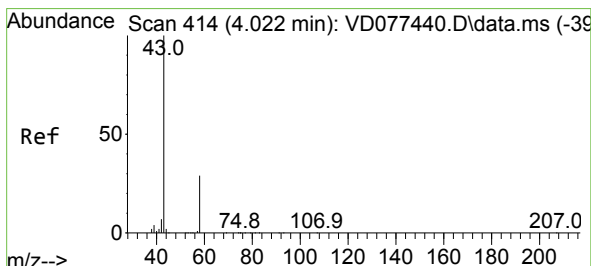
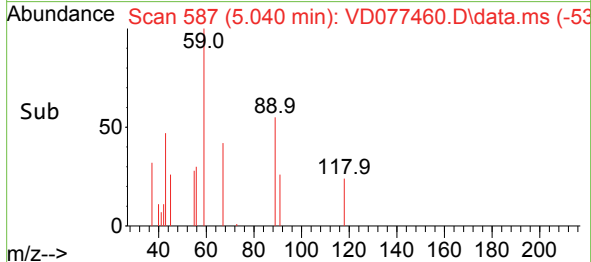
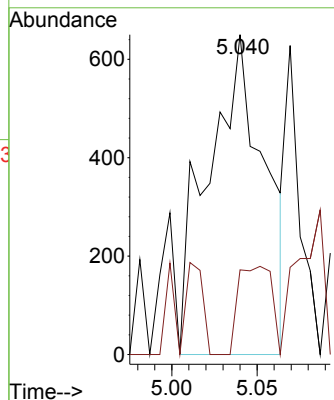
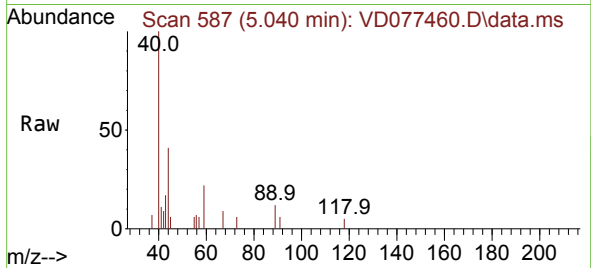




#11
Tert butyl alcohol
Concen: 4.955 ug/l
RT: 5.040 min Scan# 51
Delta R.T. -0.006 min
Lab File: VD077460.D
Acq: 31 Oct 2023 14:52

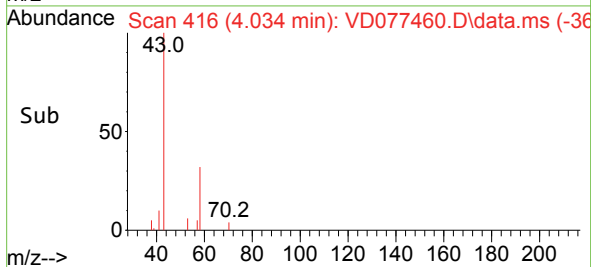
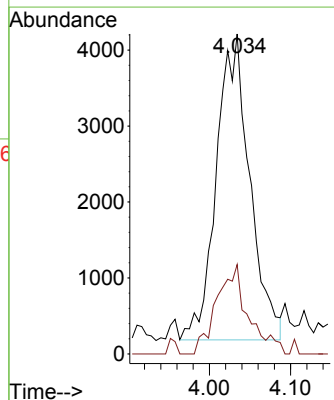
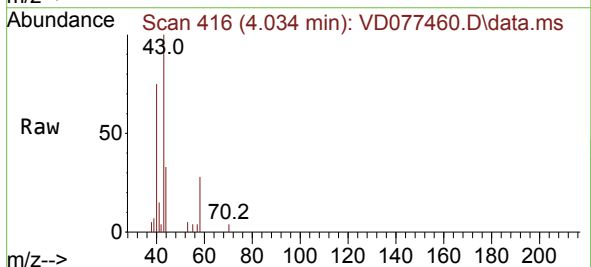
Instrument :
MSVOA_D
ClientSampleId :

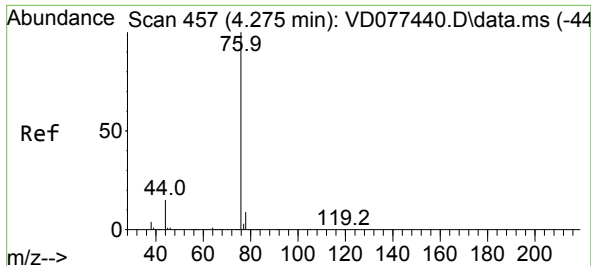
Tgt Ion: 59 Resp: 1481
Ion Ratio Lower Upper
59 100
57 16.4 7.8 11.8#



#16
Acetone
Concen: 11.489 ug/l
RT: 4.034 min Scan# 416
Delta R.T. 0.012 min
Lab File: VD077460.D
Acq: 31 Oct 2023 14:52

Tgt Ion: 43 Resp: 11470
Ion Ratio Lower Upper
43 100
58 29.3 34.7 52.1#

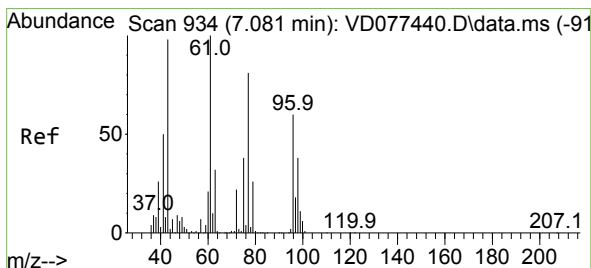
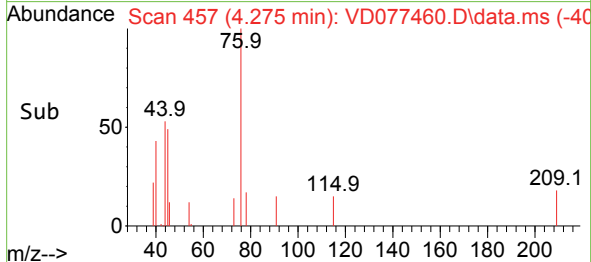
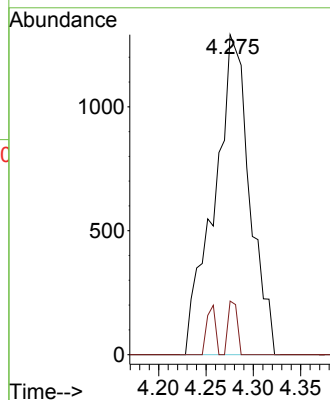
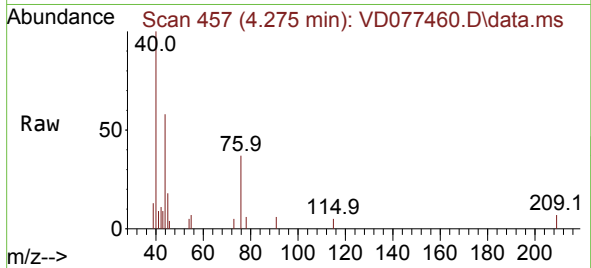




#17
Carbon Disulfide
Concen: 4.135 ug/l
RT: 4.275 min Scan# 41
Delta R.T. 0.000 min
Lab File: VD077460.D
Acq: 31 Oct 2023 14:52

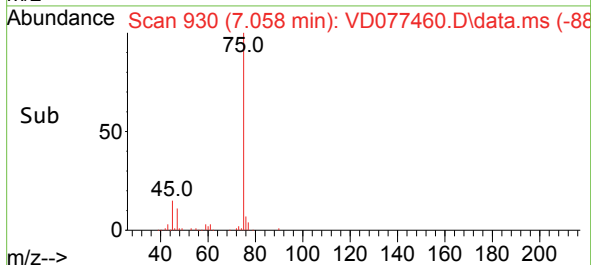
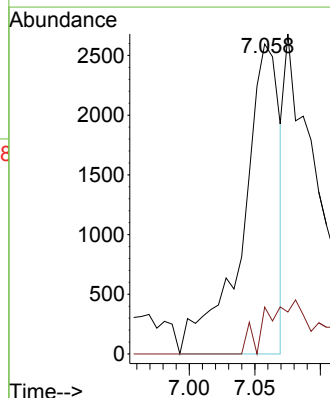
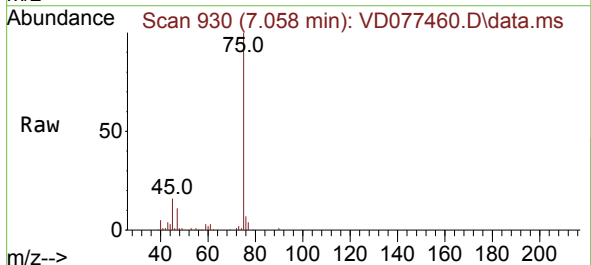
Instrument :
MSVOA_D
ClientSampleId :

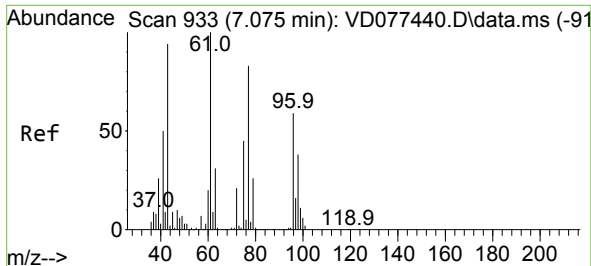
Tgt Ion: 76 Resp: 3362
Ion Ratio Lower Upper
76 100
78 16.7 6.8 10.2#



#25
2-Butanone
Concen: 3.819 ug/l
RT: 7.058 min Scan# 930
Delta R.T. -0.023 min
Lab File: VD077460.D
Acq: 31 Oct 2023 14:52

Tgt Ion: 43 Resp: 5085
Ion Ratio Lower Upper
43 100
72 15.1 30.7 46.1#

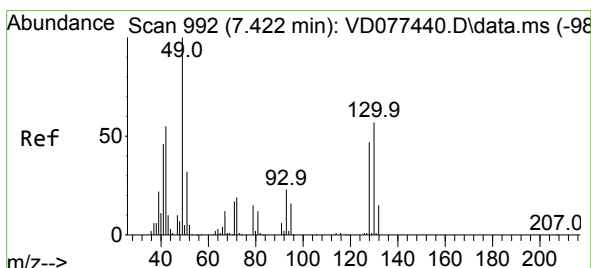
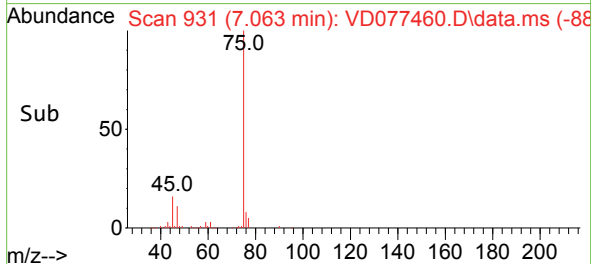
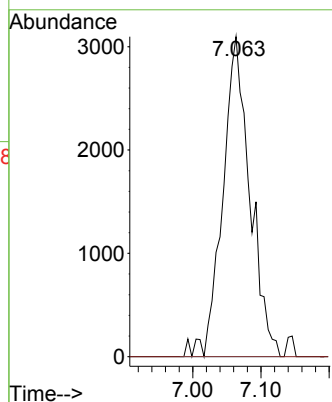
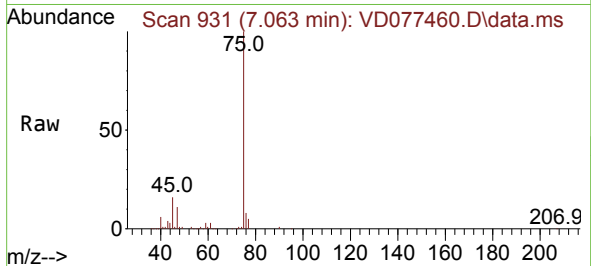




#26
2,2-Dichloropropane
Concen: 1.377 ug/l
RT: 7.063 min Scan# 91
Delta R.T. -0.012 min
Lab File: VD077460.D
Acq: 31 Oct 2023 14:52

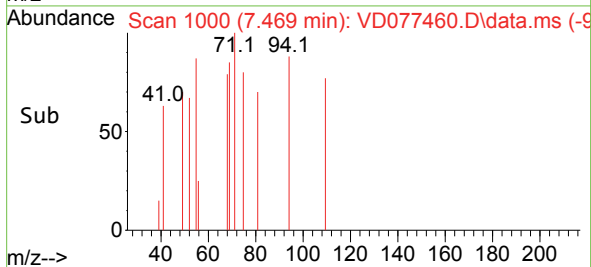
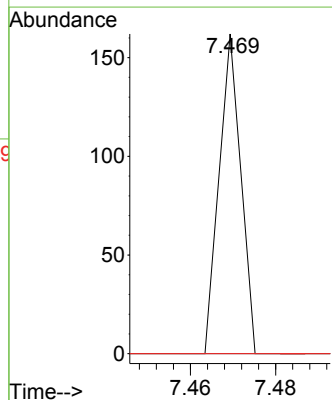
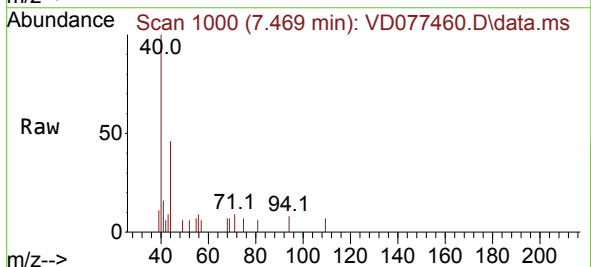
Instrument :
MSVOA_D
ClientSampleId :

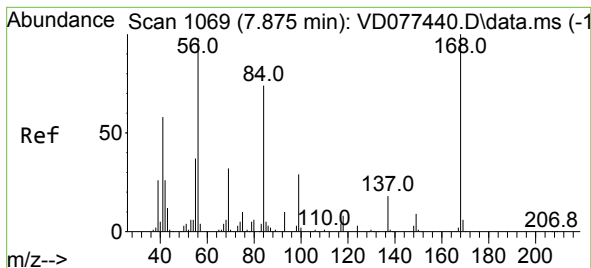
Tgt Ion: 77 Resp: 8653
Ion Ratio Lower Upper
77 100
97 0.0 13.2 39.6#



#28
Bromochloromethane
Concen: 2.123 ug/l
RT: 7.469 min Scan# 1000
Delta R.T. 0.047 min
Lab File: VD077460.D
Acq: 31 Oct 2023 14:52

Tgt Ion: 49 Resp: 57
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 0.0 83.2 124.8#





#31

Cyclohexane

Concen: 1.348 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

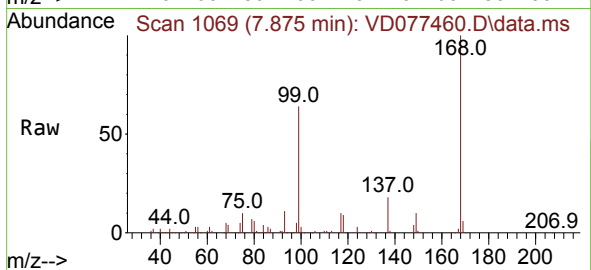
Lab File: VD077460.D

Acq: 31 Oct 2023 14:52

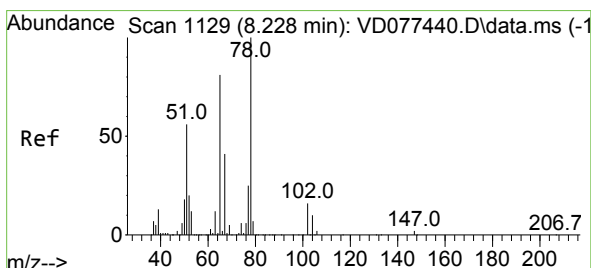
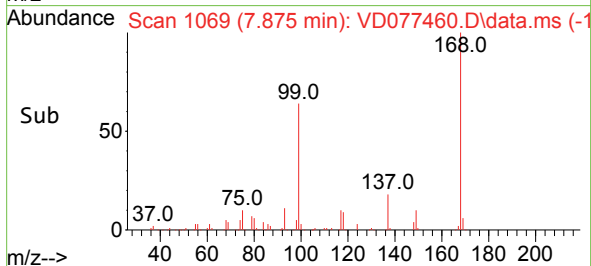
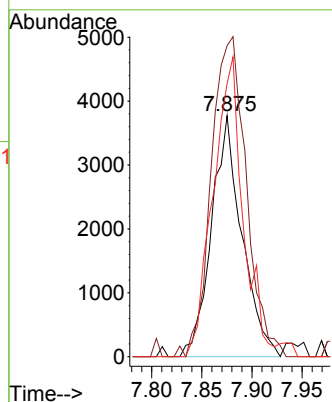
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	56	Resp:	7952
Ion Ratio	Lower	Upper	
56	100		
69	124.6	28.6	43.0#
84	113.2	84.8	127.2



#33

1,2-Dichloroethane-d4

Concen: 38.890 ug/l

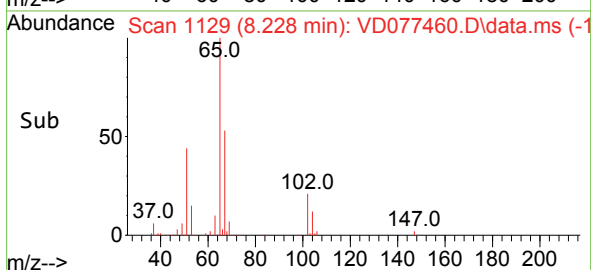
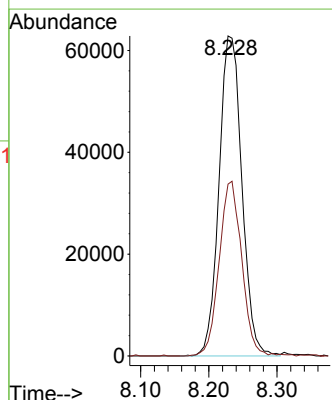
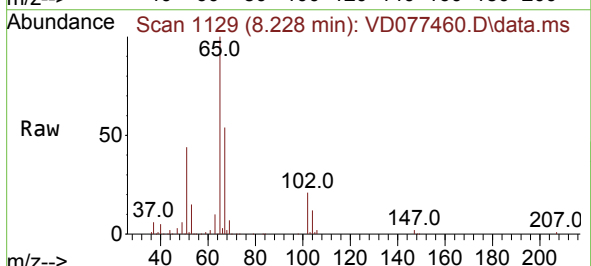
RT: 8.228 min Scan# 1129

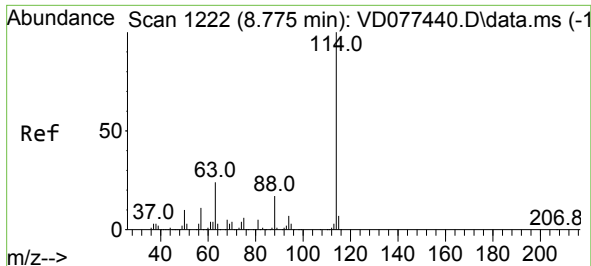
Delta R.T. 0.000 min

Lab File: VD077460.D

Acq: 31 Oct 2023 14:52

Tgt Ion:	65	Resp:	146730
Ion Ratio	Lower	Upper	
65	100		
67	54.1	0.0	115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD077460.D

Acq: 31 Oct 2023 14:52

Instrument :

MSVOA_D

ClientSampleId :

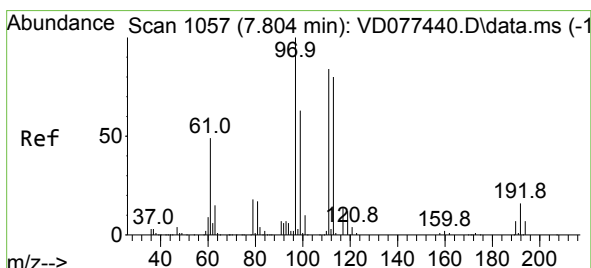
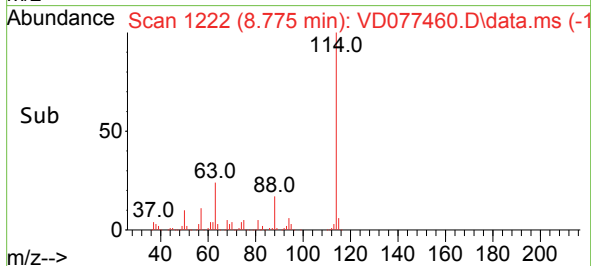
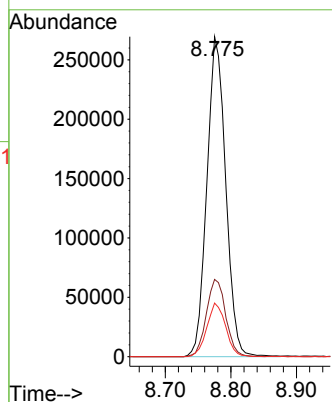
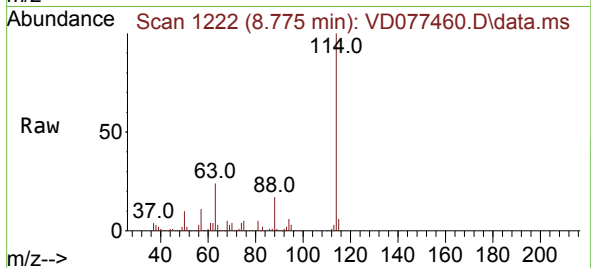
Tgt Ion:114 Resp: 537858

Ion Ratio Lower Upper

114 100

63 24.2 0.0 33.4

88 16.8 0.0 26.2



#35

Dibromofluoromethane

Concen: 43.198 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077460.D

Acq: 31 Oct 2023 14:52

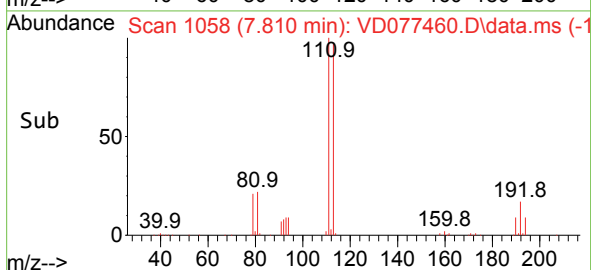
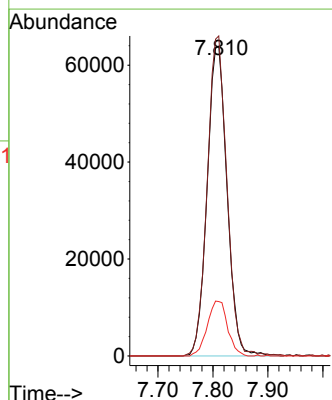
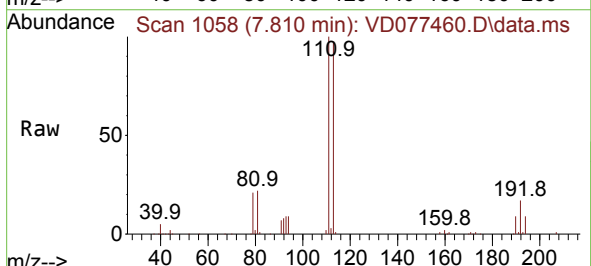
Tgt Ion:113 Resp: 160588

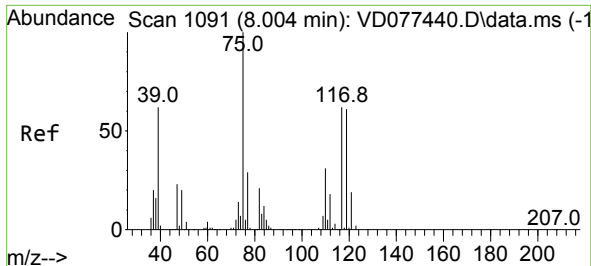
Ion Ratio Lower Upper

113 100

111 102.2 84.7 127.1

192 18.1 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.627 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.129 min

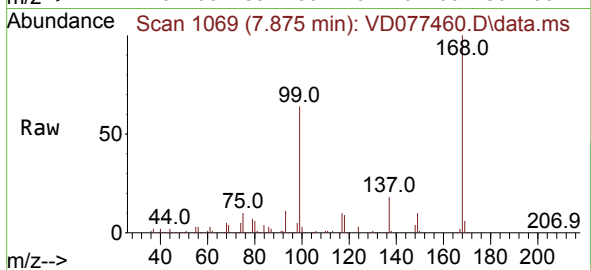
Lab File: VD077460.D

Acq: 31 Oct 2023 14:52

Instrument :

MSVOA_D

ClientSampleId :



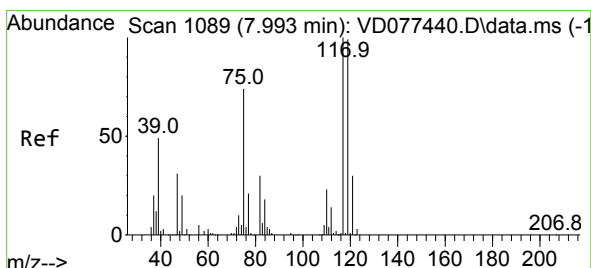
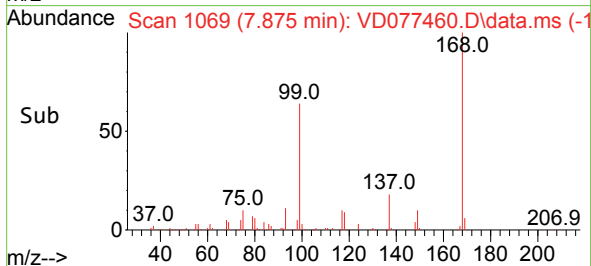
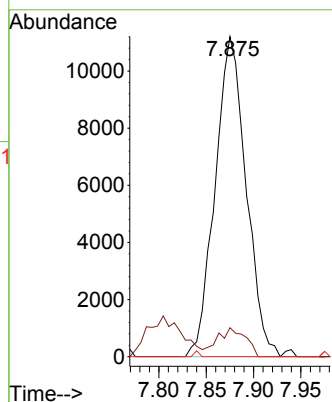
Tgt Ion: 75 Resp: 25501

Ion Ratio Lower Upper

75 100

110 8.2 19.9 59.6#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.322 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.112 min

Lab File: VD077460.D

Acq: 31 Oct 2023 14:52

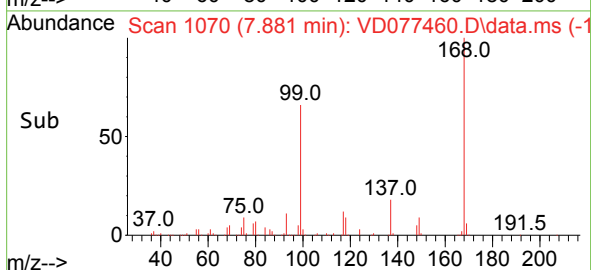
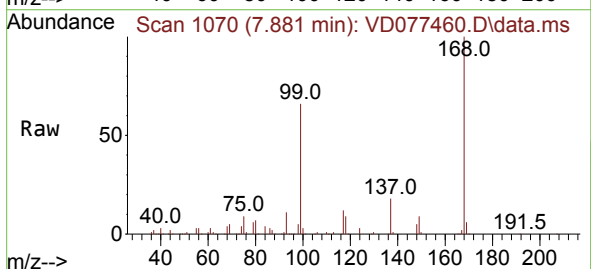
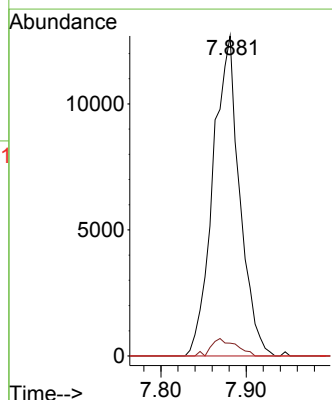
Tgt Ion: 117 Resp: 27643

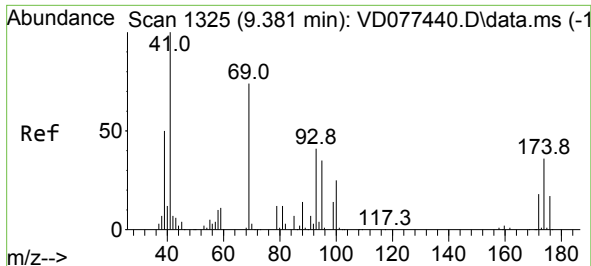
Ion Ratio Lower Upper

117 100

119 4.0 78.0 117.0#

121 0.0 24.2 36.2#





#49

1,4-Dioxane

Concen: 2.591 ug/l

RT: 9.446 min Scan# 1

Delta R.T. 0.065 min

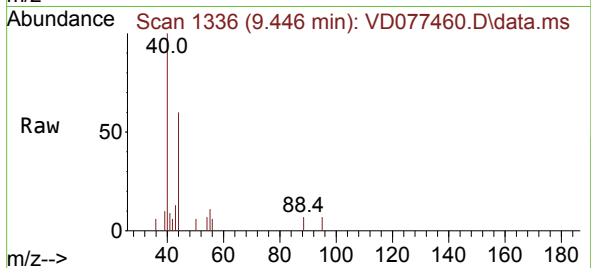
Lab File: VD077460.D

Acq: 31 Oct 2023 14:52

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MSVOA_D

ClientSampleId :



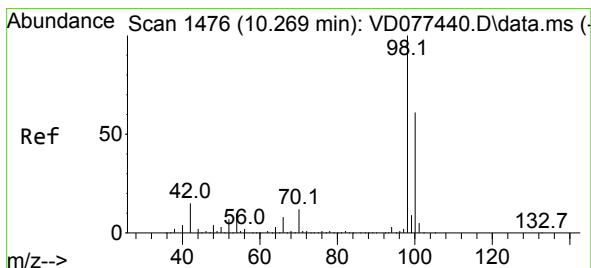
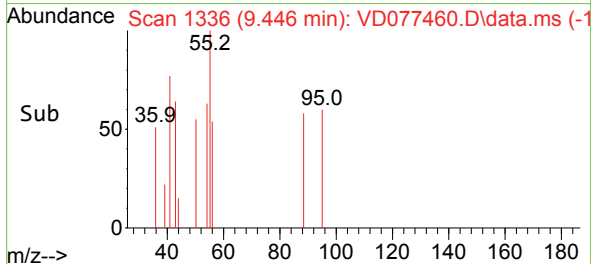
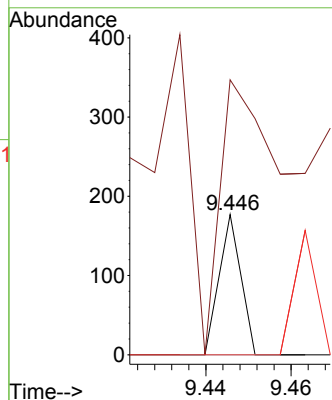
Tgt Ion: 88 Resp: 62

Ion Ratio Lower Upper

88 100

43 877.4 19.0 28.6#

58 88.7 43.5 65.3#



#50

Toluene-d8

Concen: 48.860 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077460.D

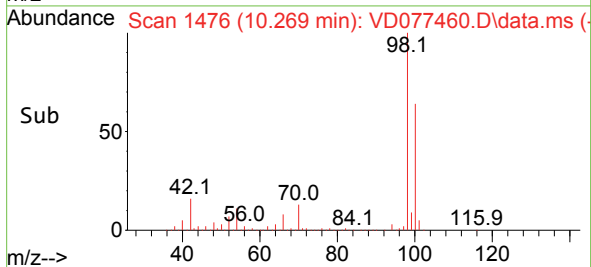
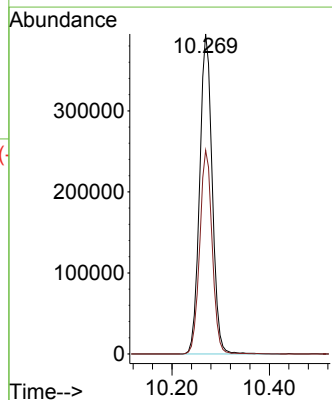
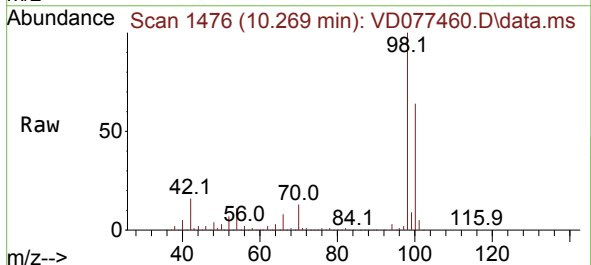
Acq: 31 Oct 2023 14:52

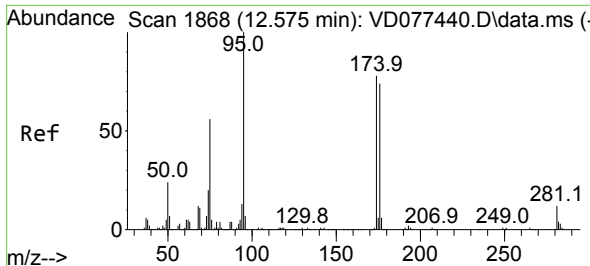
Tgt Ion: 98 Resp: 705525

Ion Ratio Lower Upper

98 100

100 63.3 50.3 75.5

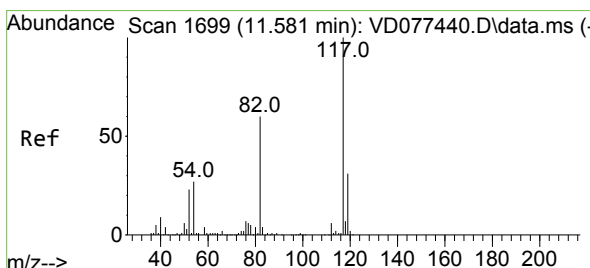
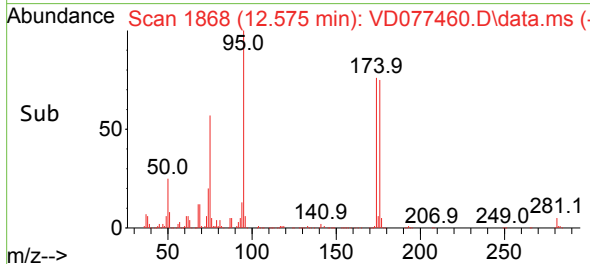
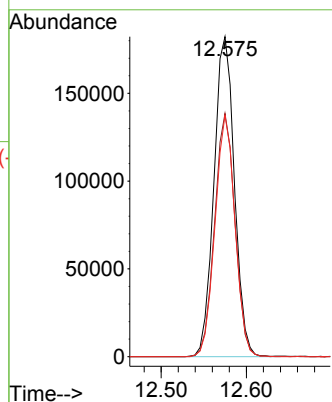
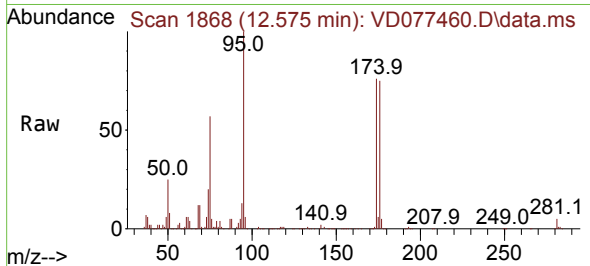




#62
4-Bromofluorobenzene
Concen: 62.524 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077460.D
Acq: 31 Oct 2023 14:52

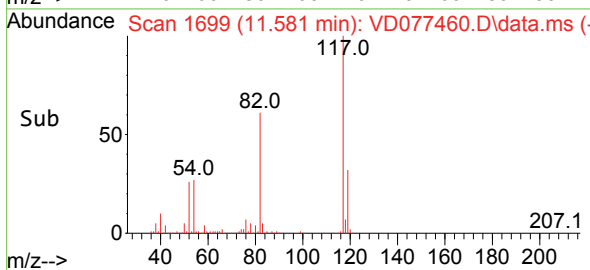
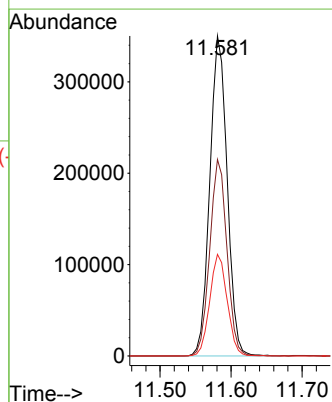
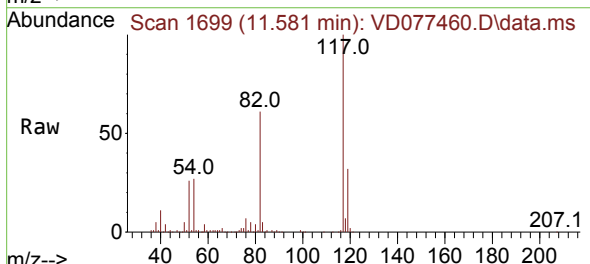
Instrument :
MSVOA_D
ClientSampleId :

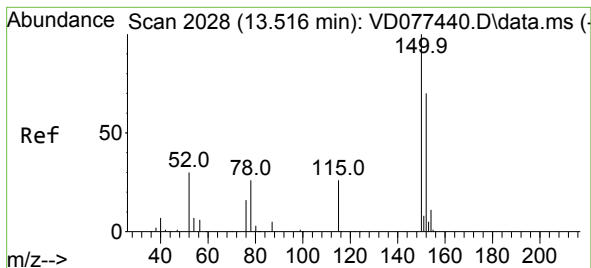
Tgt Ion: 95 Resp: 304076
Ion Ratio Lower Upper
95 100
174 75.6 0.0 201.8
176 73.6 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD077460.D
Acq: 31 Oct 2023 14:52

Tgt Ion: 117 Resp: 593448
Ion Ratio Lower Upper
117 100
82 61.4 38.3 57.5#
119 31.8 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 20

Delta R.T. 0.006 min

Lab File: VD077460.D

Acq: 31 Oct 2023 14:52

Instrument :

MSVOA_D

ClientSampleId :

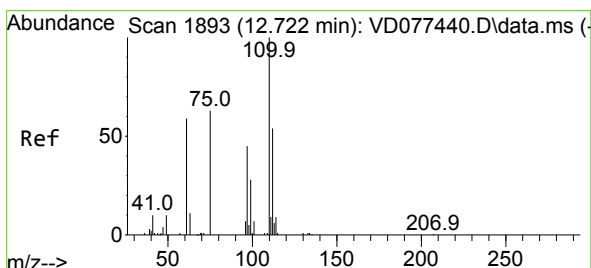
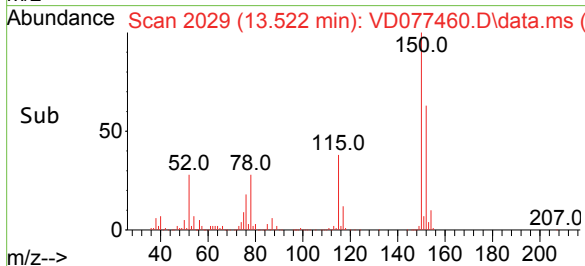
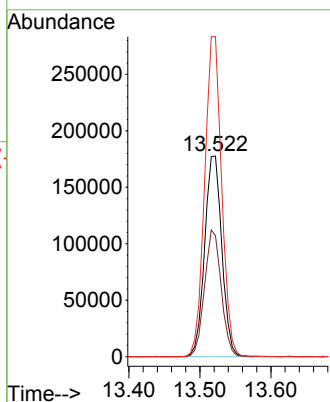
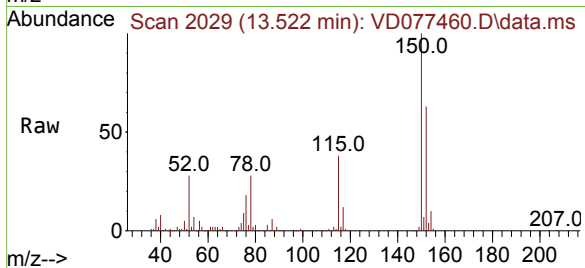
Tgt Ion:152 Resp: 298984

Ion Ratio Lower Upper

152 100

115 61.2 27.1 81.3

150 157.8 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 47.005 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD077460.D

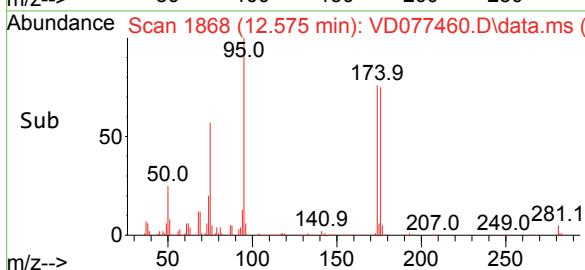
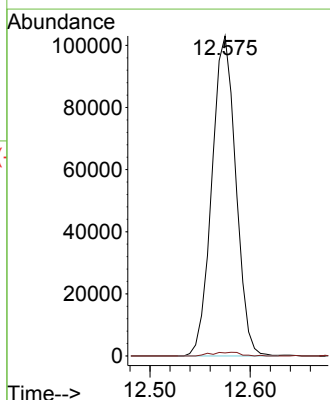
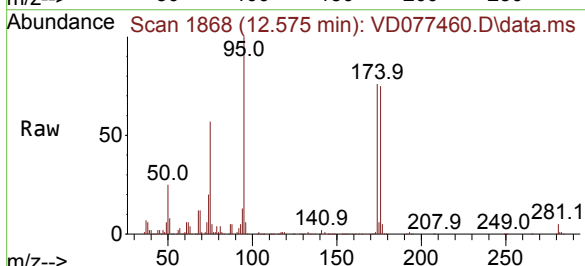
Acq: 31 Oct 2023 14:52

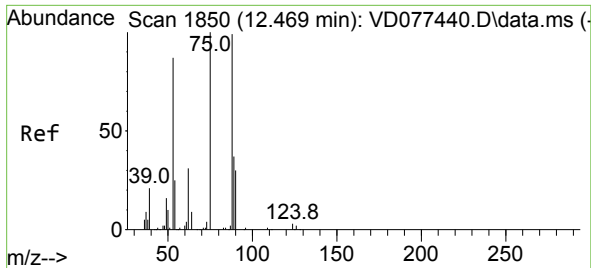
Tgt Ion: 75 Resp: 171046

Ion Ratio Lower Upper

75 100

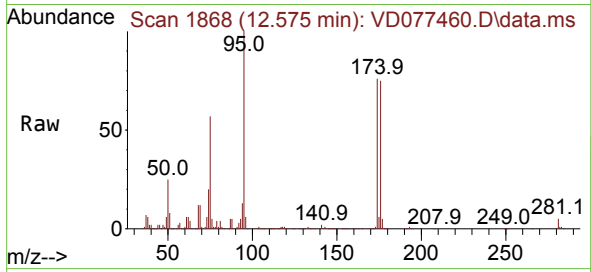
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.796 ug/l
 RT: 12.575 min Scan# 1850
 Delta R.T. 0.106 min
 Lab File: VD077460.D
 Acq: 31 Oct 2023 14:52

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 171046
 Ion Ratio Lower Upper
 75 100
 53 0.0 63.0 94.4#
 89 0.0 37.9 56.9#

