

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD103023\
 Data File : VD077443.D
 Acq On : 30 Oct 2023 12:30
 Operator : JC/SY
 Sample : VIBLK
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 31 04:24:14 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)

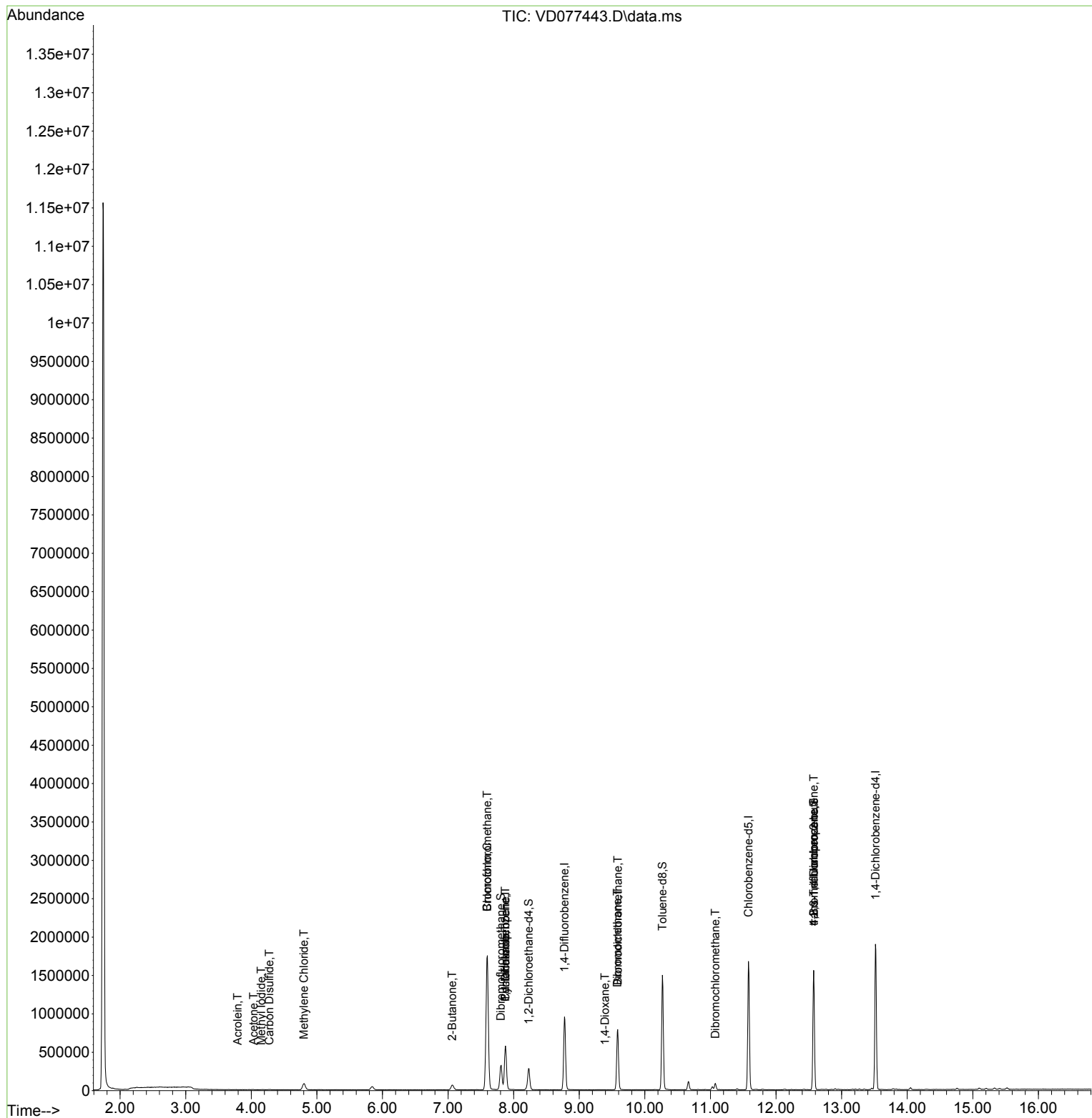
Internal Standards						
1) Pentafluorobenzene	7.875	168	420340	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	776170	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	871928	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	475798	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	214720	36.125	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	72.240%
35) Dibromofluoromethane	7.805	113	231305	43.117	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	86.240%
50) Toluene-d8	10.269	98	977429	46.907	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.820%
62) 4-Bromofluorobenzene	12.575	95	476314	67.869	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	135.740%
Target Compounds						
						Qvalue
10) Methyl Iodide	4.152	142	1166	3.343	ug/l #	28
13) Acrolein	3.793	56	702	1.131	ug/l #	12
16) Acetone	4.034	43	5704	3.627	ug/l #	48
17) Carbon Disulfide	4.275	76	4701	4.092	ug/l	97
20) Methylene Chloride	4.805	84	56128	7.434	ug/l #	55
25) 2-Butanone	7.063	43	4458	2.125	ug/l #	57
28) Bromochloromethane	7.599	49	161065	32.564	ug/l #	1
30) Chloroform	7.599	83	1719447	164.819	ug/l	97
31) Cyclohexane	7.875	56	12185	1.311	ug/l #	25
36) 1,1-Dichloropropene	7.875	75	38419	4.830	ug/l #	47
46) Dibromomethane	9.581	93	16252	5.058	ug/l #	2
47) Bromodichloromethane	9.587	83	528633	62.240	ug/l	97
49) 1,4-Dioxane	9.393	88	119	3.446	ug/l #	1
60) Dibromochloromethane	11.075	129	41239	7.999	ug/l	98
76) 1,2,3-Trichloropropane	12.575	75	266763	46.066	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	266763	88.982	ug/l #	17

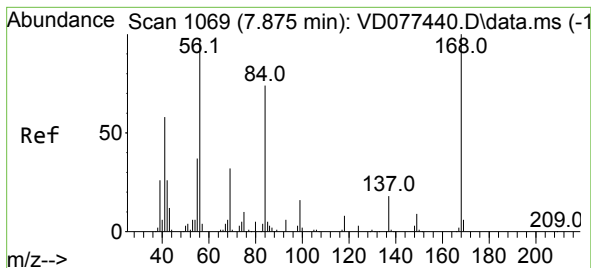
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD103023\
Data File : VD077443.D
Acq On : 30 Oct 2023 12:30
Operator : JC/SY
Sample : VIBLK
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Oct 31 04:24:14 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD077443.D

Acq: 30 Oct 2023 12:30

Instrument :

MSVOA_D

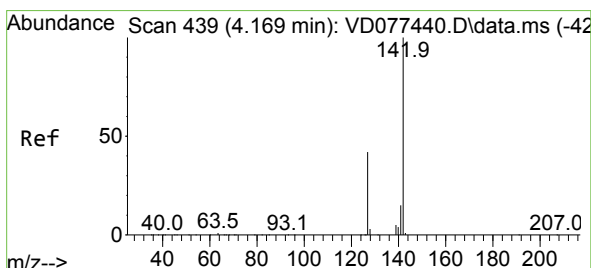
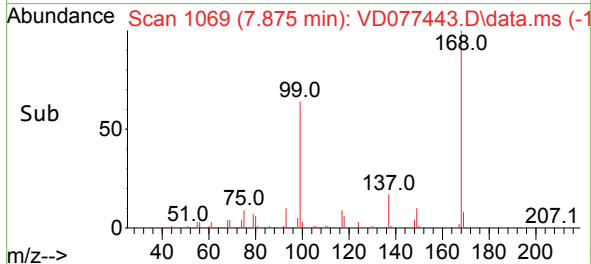
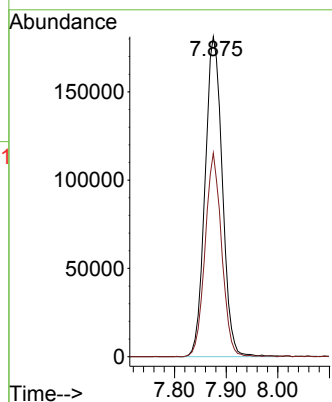
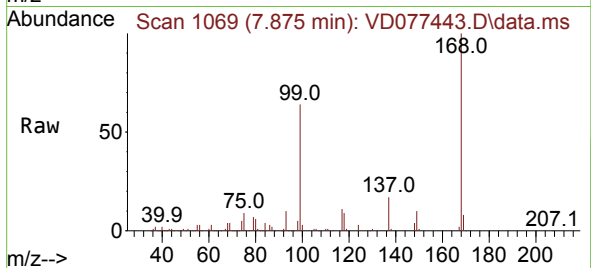
ClientSampleId :

Tgt Ion:168 Resp: 420340

Ion Ratio Lower Upper

168 100

99 63.6 36.7 55.1#



#10

Methyl Iodide

Concen: 3.343 ug/l

RT: 4.152 min Scan# 436

Delta R.T. -0.017 min

Lab File: VD077443.D

Acq: 30 Oct 2023 12:30

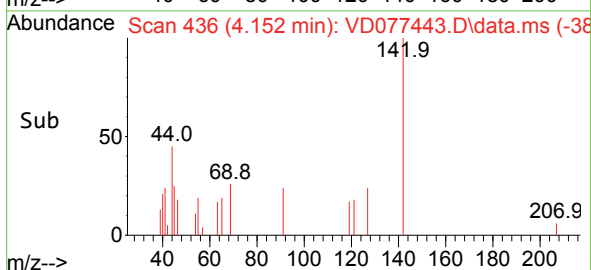
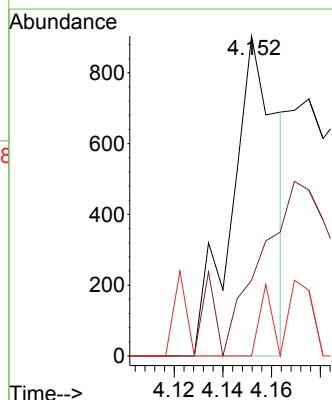
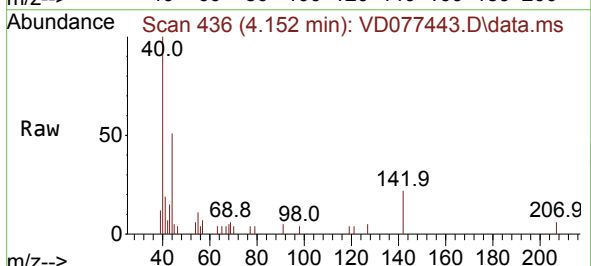
Tgt Ion:142 Resp: 1166

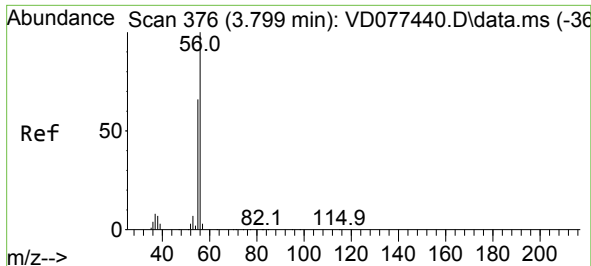
Ion Ratio Lower Upper

142 100

127 92.9 29.4 44.0#

141 18.2 11.1 16.7#

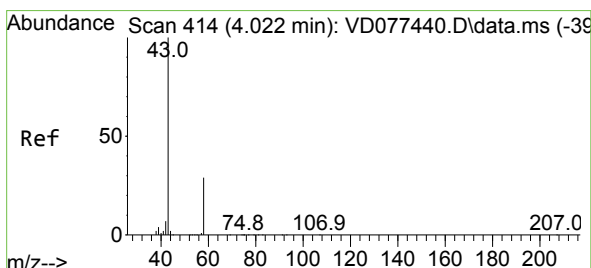
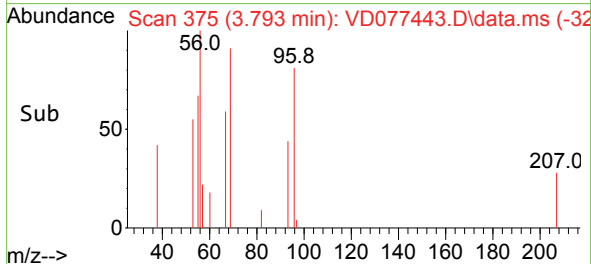
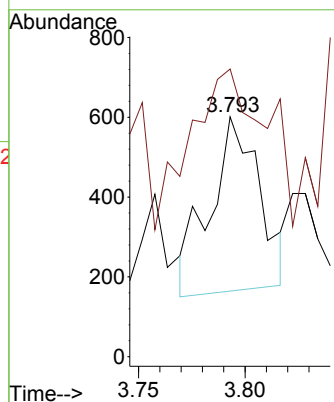
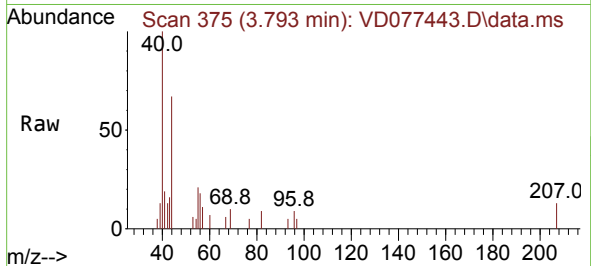




#13
Acrolein
Concen: 1.131 ug/l
RT: 3.793 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD077443.D
Acq: 30 Oct 2023 12:30

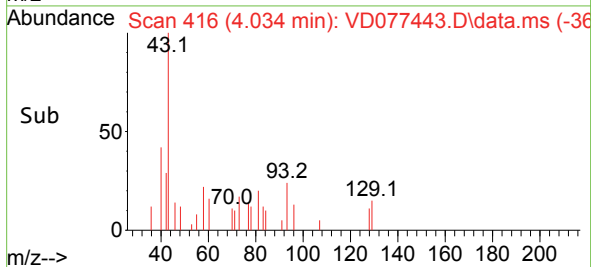
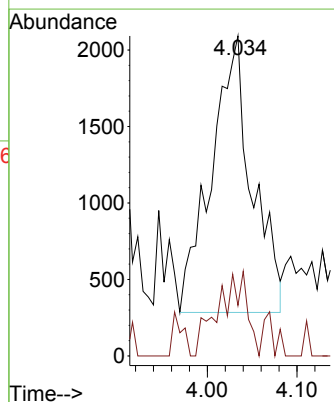
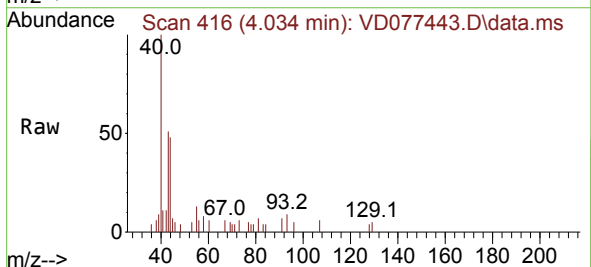
Instrument :
MSVOA_D
ClientSampleId :

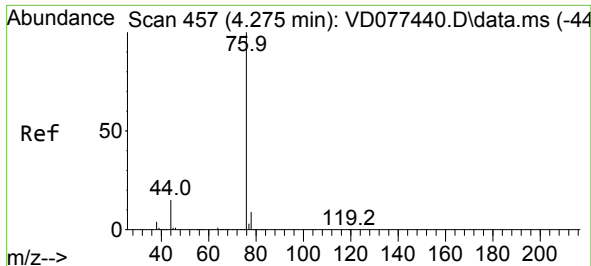
Tgt Ion: 56 Resp: 702
Ion Ratio Lower Upper
56 100
55 140.2 55.1 82.7#



#16
Acetone
Concen: 3.627 ug/l
RT: 4.034 min Scan# 416
Delta R.T. 0.012 min
Lab File: VD077443.D
Acq: 30 Oct 2023 12:30

Tgt Ion: 43 Resp: 5704
Ion Ratio Lower Upper
43 100
58 9.9 34.7 52.1#

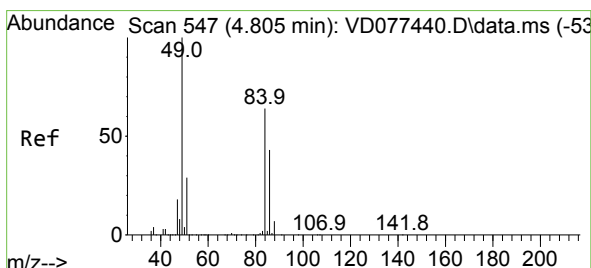
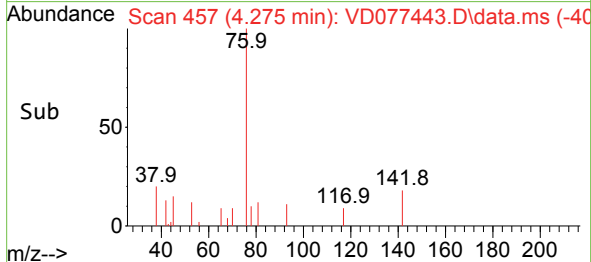
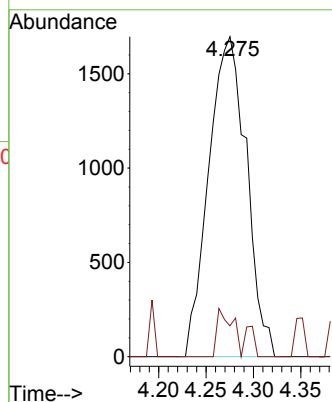
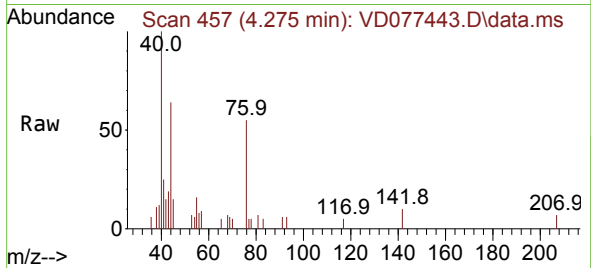




#17
Carbon Disulfide
Concen: 4.092 ug/l
RT: 4.275 min Scan# 457
Delta R.T. 0.000 min
Lab File: VD077443.D
Acq: 30 Oct 2023 12:30

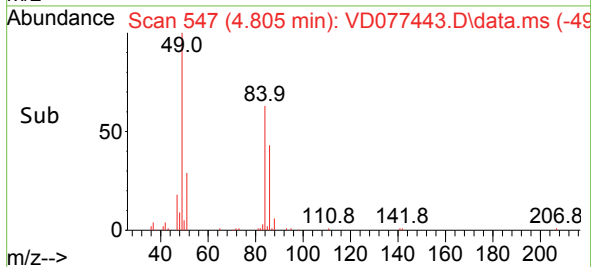
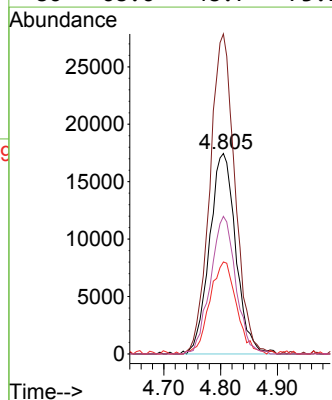
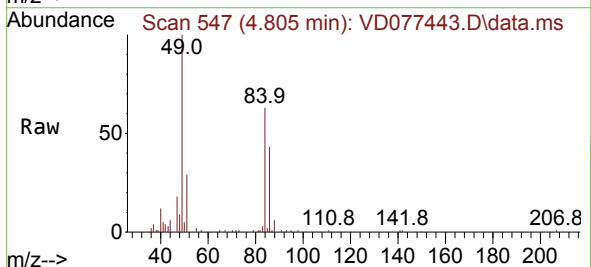
Instrument :
MSVOA_D
ClientSampleId :

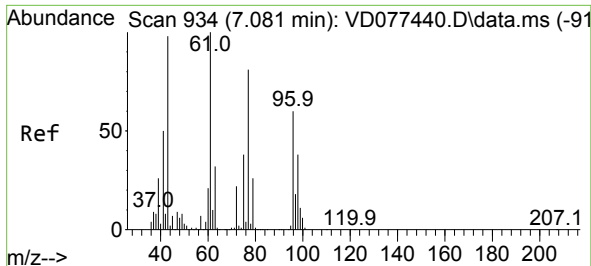
Tgt Ion: 76 Resp: 4701
Ion Ratio Lower Upper
76 100
78 9.7 6.8 10.2



#20
Methylene Chloride
Concen: 7.434 ug/l
RT: 4.805 min Scan# 547
Delta R.T. -0.000 min
Lab File: VD077443.D
Acq: 30 Oct 2023 12:30

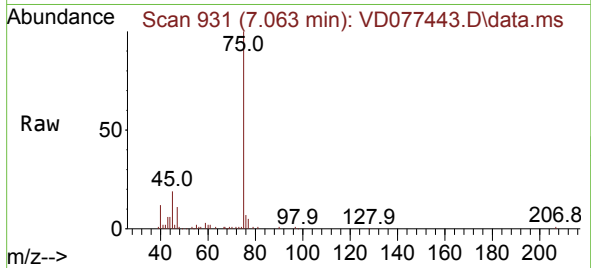
Tgt Ion: 84 Resp: 56128
Ion Ratio Lower Upper
84 100
49 159.6 71.4 107.2#
51 45.9 24.5 36.7#
86 68.6 48.7 73.1



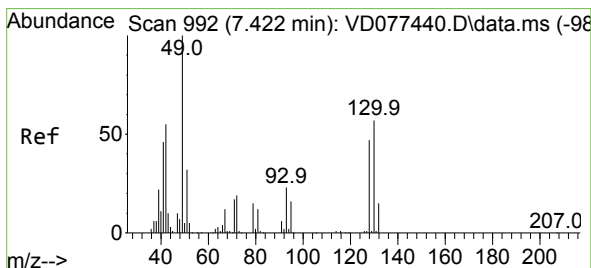
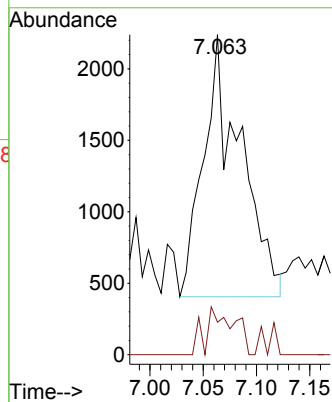
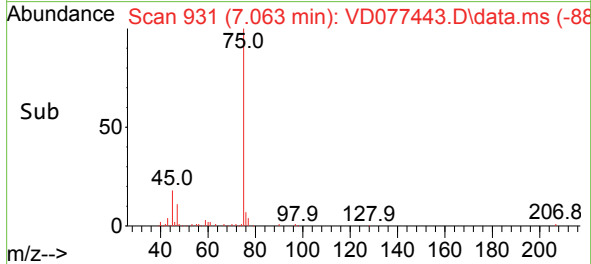


#25
2-Butanone
Concen: 2.125 ug/l
RT: 7.063 min Scan# 91
Delta R.T. -0.018 min
Lab File: VD077443.D
Acq: 30 Oct 2023 12:30

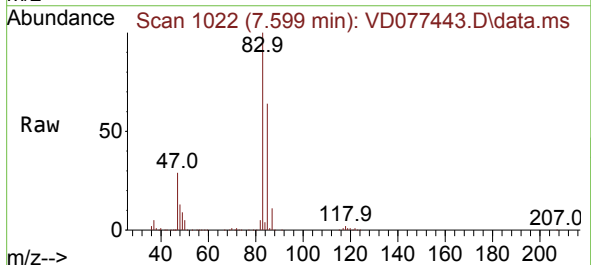
Instrument :
MSVOA_D
ClientSampleId :



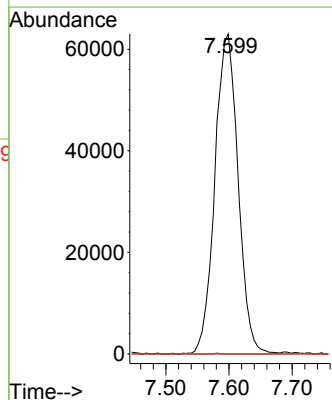
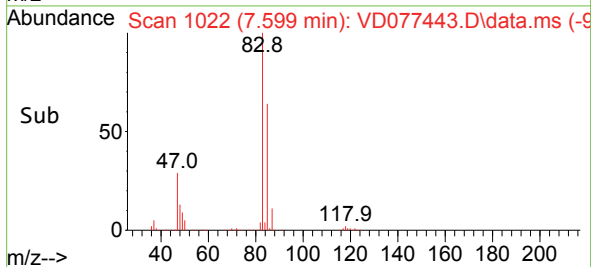
Tgt Ion: 43 Resp: 4458
Ion Ratio Lower Upper
43 100
72 12.4 30.7 46.1#

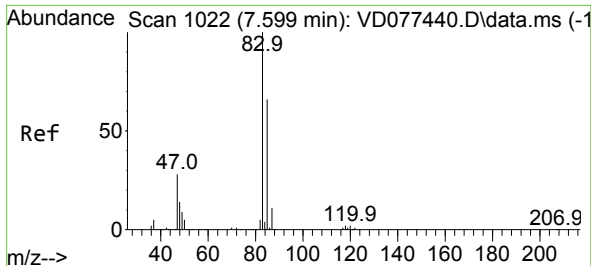


#28
Bromochloromethane
Concen: 32.564 ug/l
RT: 7.599 min Scan# 1022
Delta R.T. 0.177 min
Lab File: VD077443.D
Acq: 30 Oct 2023 12:30



Tgt Ion: 49 Resp: 161065
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 0.0 83.2 124.8#

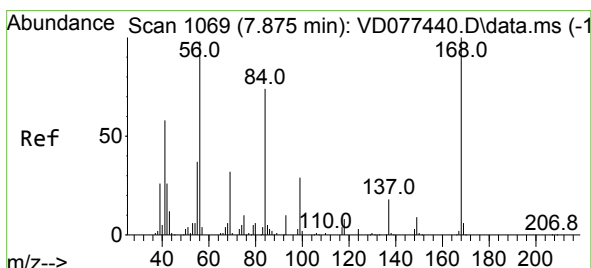
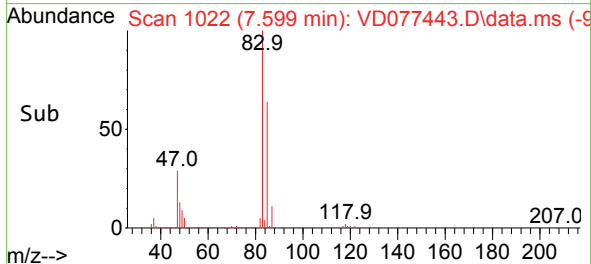
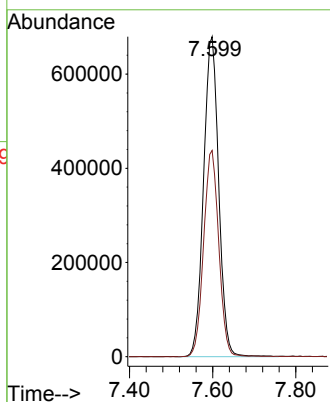
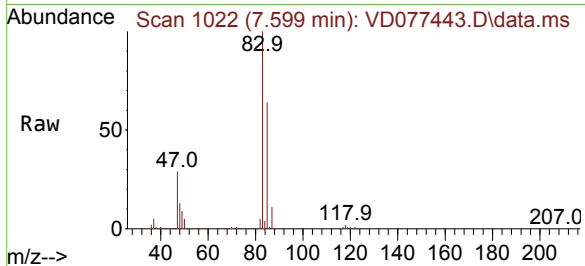




#30
Chloroform
Concen: 164.819 ug/l
RT: 7.599 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VD077443.D
Acq: 30 Oct 2023 12:30

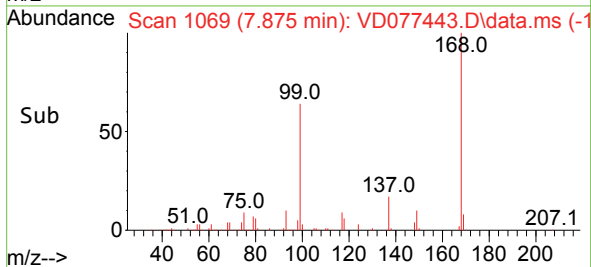
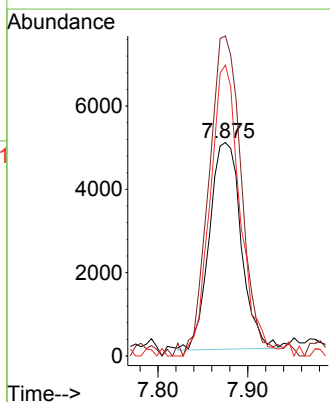
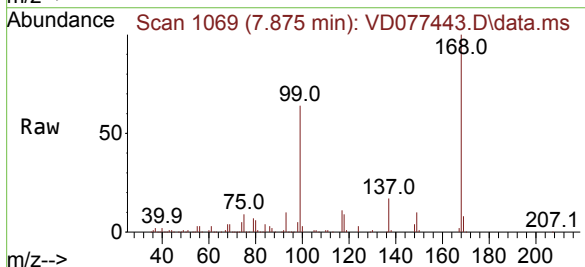
Instrument :
MSVOA_D
ClientSampleId :

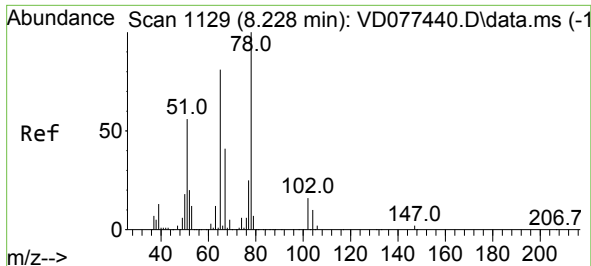
Tgt Ion: 83 Resp: 1719447
Ion Ratio Lower Upper
83 100
85 64.5 53.4 80.2



#31
Cyclohexane
Concen: 1.311 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077443.D
Acq: 30 Oct 2023 12:30

Tgt Ion: 56 Resp: 12185
Ion Ratio Lower Upper
56 100
69 150.1 28.6 43.0#
84 141.5 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 36.125 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD077443.D

Acq: 30 Oct 2023 12:30

Instrument :

MSVOA_D

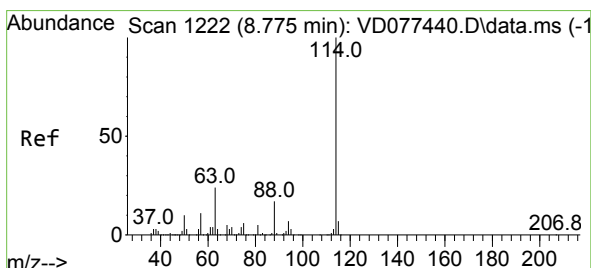
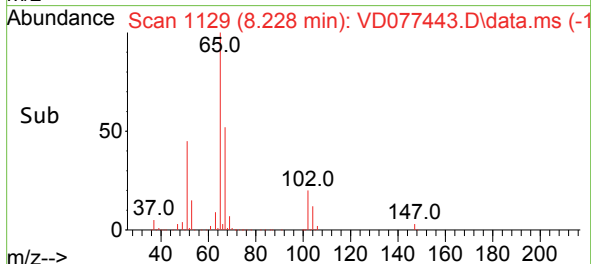
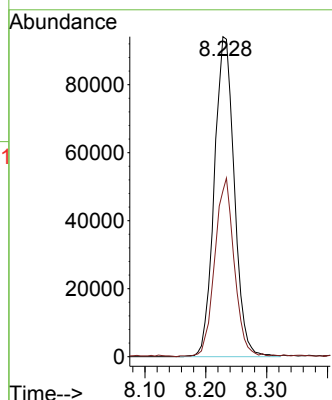
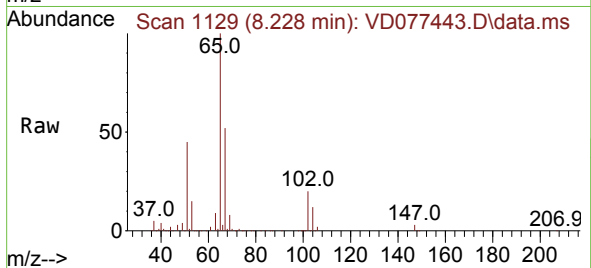
ClientSampleId :

Tgt Ion: 65 Resp: 214720

Ion Ratio Lower Upper

65 100

67 54.5 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD077443.D

Acq: 30 Oct 2023 12:30

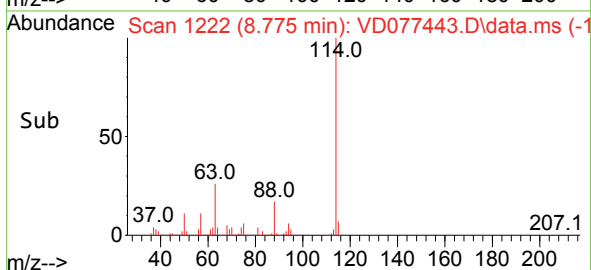
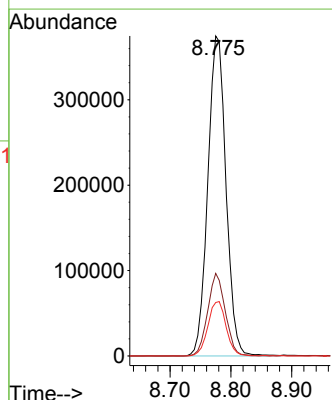
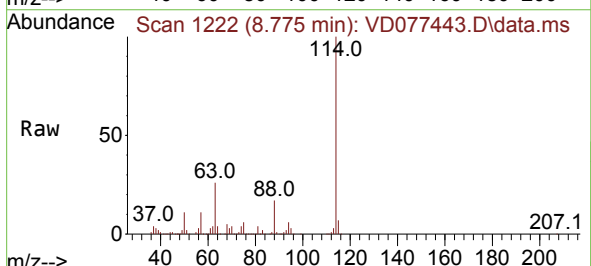
Tgt Ion: 114 Resp: 776170

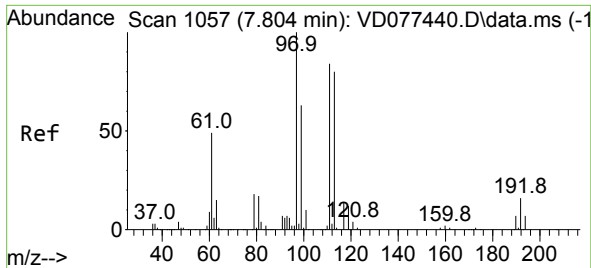
Ion Ratio Lower Upper

114 100

63 25.8 0.0 33.4

88 16.7 0.0 26.2

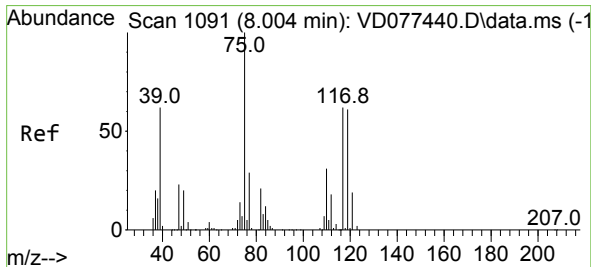
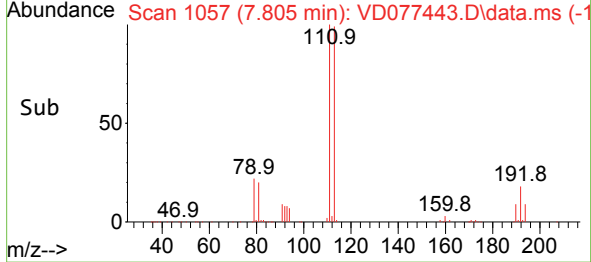
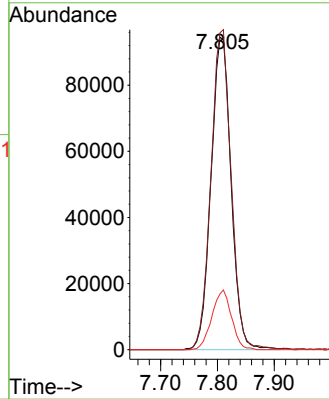
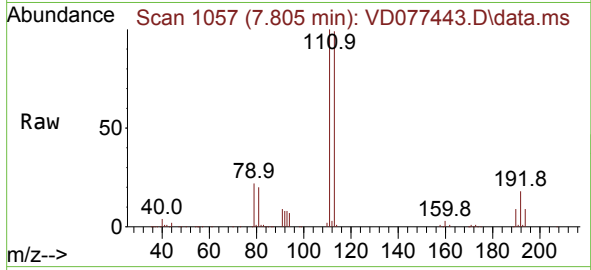




#35
Dibromofluoromethane
Concen: 43.117 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD077443.D
Acq: 30 Oct 2023 12:30

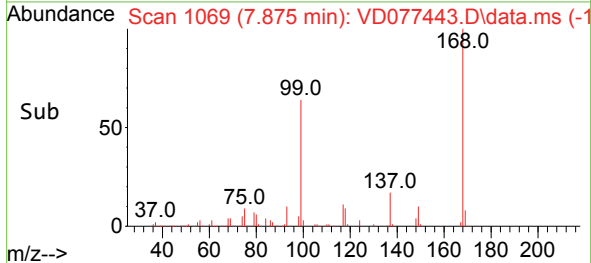
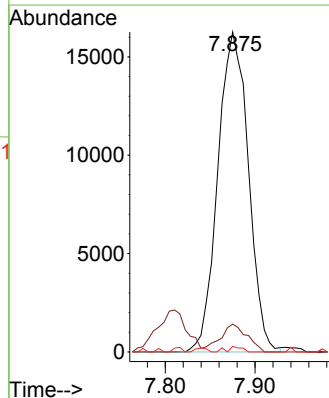
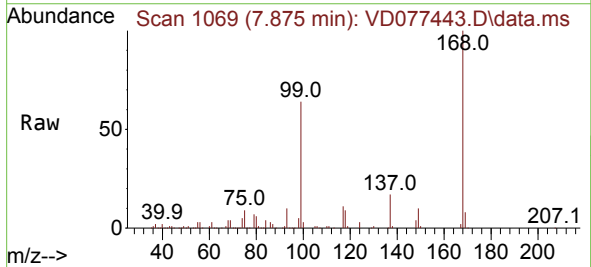
Instrument :
MSVOA_D
ClientSampleId :

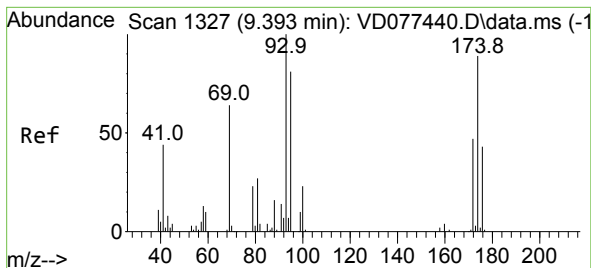
Tgt Ion:113 Resp: 231305
Ion Ratio Lower Upper
113 100
111 103.3 84.7 127.1
192 18.7 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.830 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VD077443.D
Acq: 30 Oct 2023 12:30

Tgt Ion: 75 Resp: 38419
Ion Ratio Lower Upper
75 100
110 7.4 19.9 59.6#
77 0.8 24.7 37.1#





#46

Dibromomethane

Concen: 5.058 ug/l

RT: 9.581 min Scan# 1

Delta R.T. 0.188 min

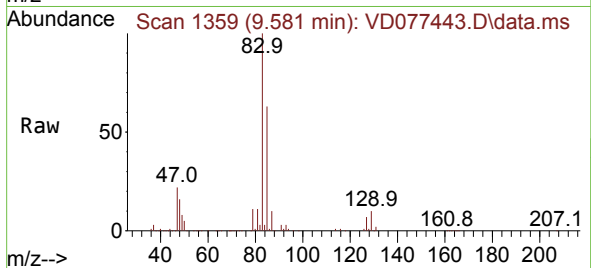
Lab File: VD077443.D

Acq: 30 Oct 2023 12:30

Instrument :

MSVOA_D

ClientSampleId :



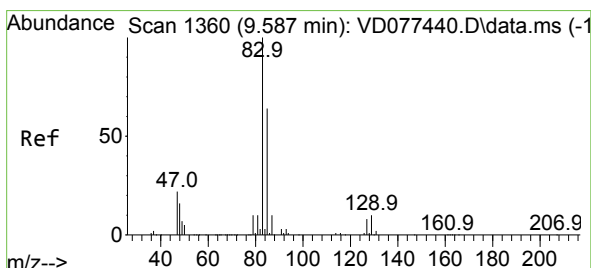
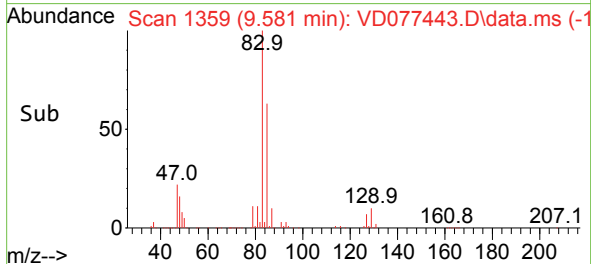
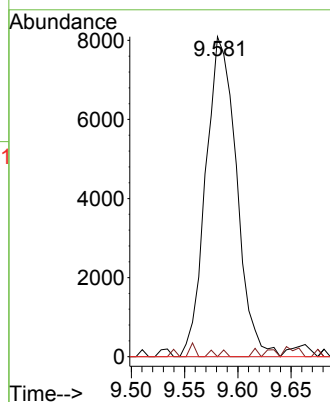
Tgt Ion: 93 Resp: 16252

Ion Ratio Lower Upper

93 100

95 0.7 67.7 101.5#

174 0.0 85.4 128.2#



#47

Bromodichloromethane

Concen: 62.240 ug/l

RT: 9.587 min Scan# 1360

Delta R.T. 0.000 min

Lab File: VD077443.D

Acq: 30 Oct 2023 12:30

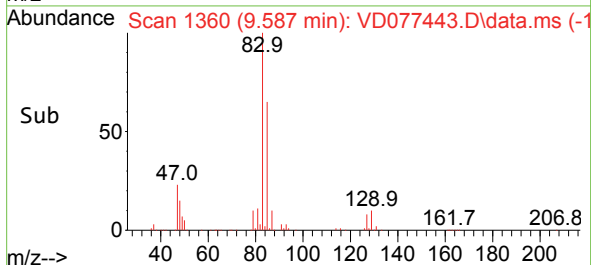
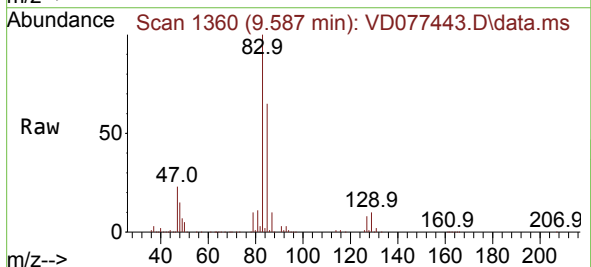
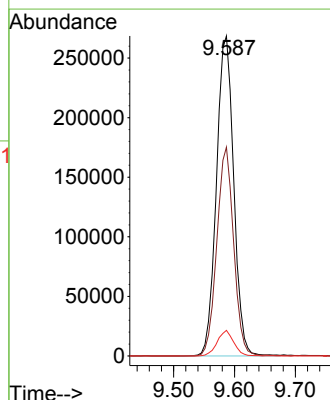
Tgt Ion: 83 Resp: 528633

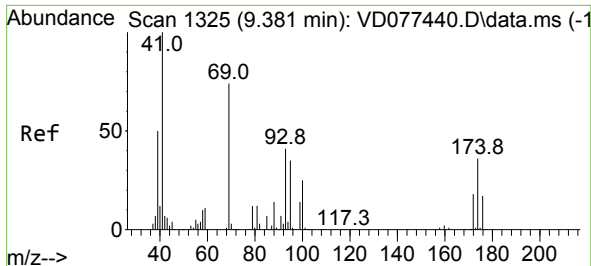
Ion Ratio Lower Upper

83 100

85 65.3 50.2 75.4

127 8.0 6.3 9.5





#49

1,4-Dioxane

Concen: 3.446 ug/l

RT: 9.393 min Scan# 11

Delta R.T. 0.012 min

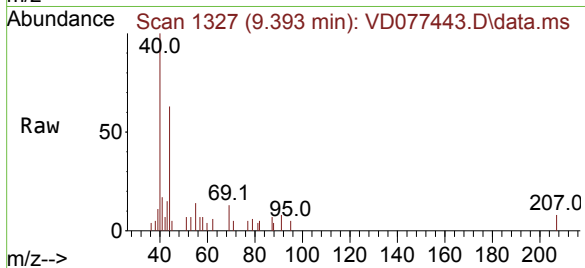
Lab File: VD077443.D

Acq: 30 Oct 2023 12:30

Instrument :

MSVOA_D

ClientSampleId :



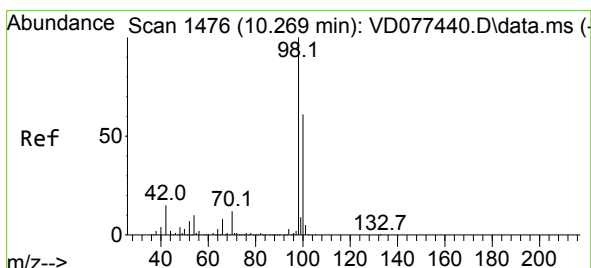
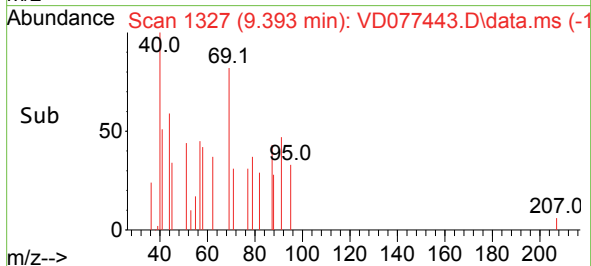
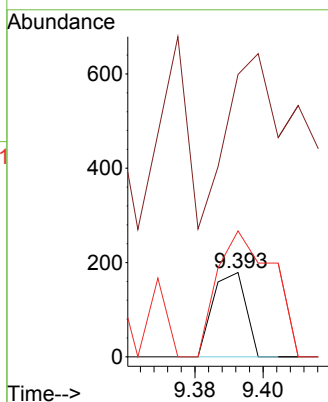
Tgt Ion: 88 Resp: 119

Ion Ratio Lower Upper

88 100

43 432.8 19.0 28.6#

58 252.9 43.5 65.3#



#50

Toluene-d8

Concen: 46.907 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077443.D

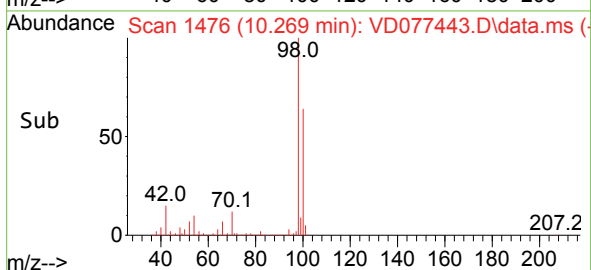
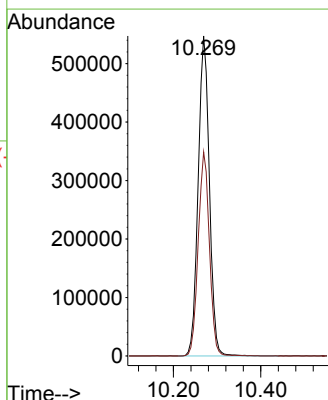
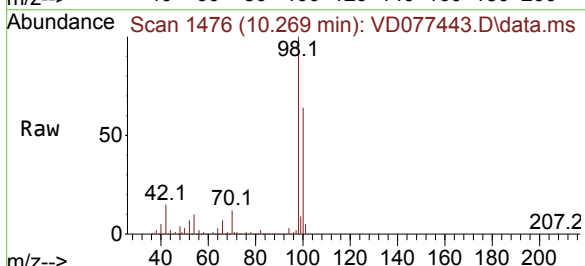
Acq: 30 Oct 2023 12:30

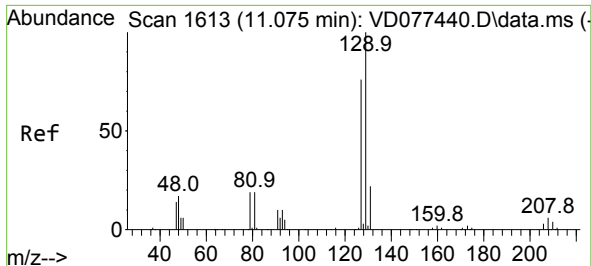
Tgt Ion: 98 Resp: 977429

Ion Ratio Lower Upper

98 100

100 63.8 50.3 75.5

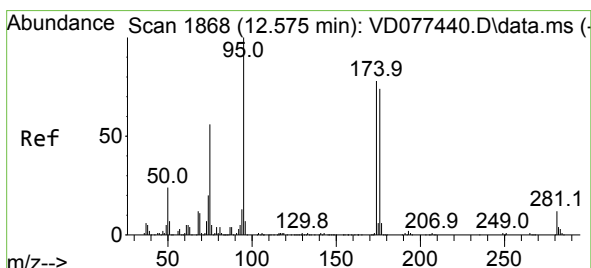
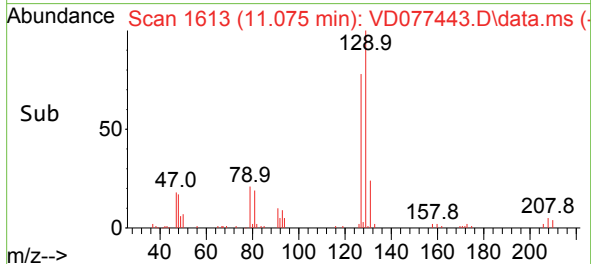
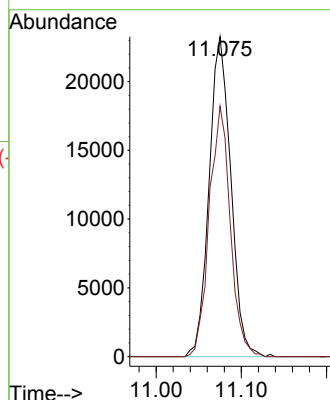
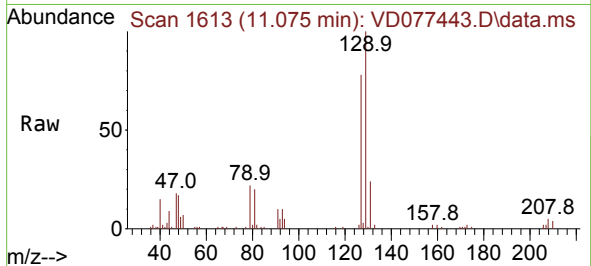




#60
Dibromochloromethane
Concen: 7.999 ug/l
RT: 11.075 min Scan# 1613
Delta R.T. 0.000 min
Lab File: VD077443.D
Acq: 30 Oct 2023 12:30

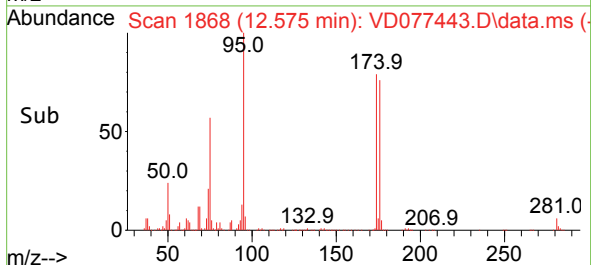
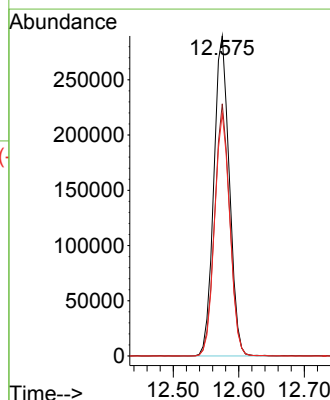
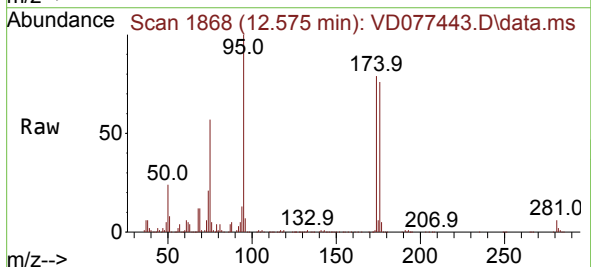
Instrument :
MSVOA_D
ClientSampleId :

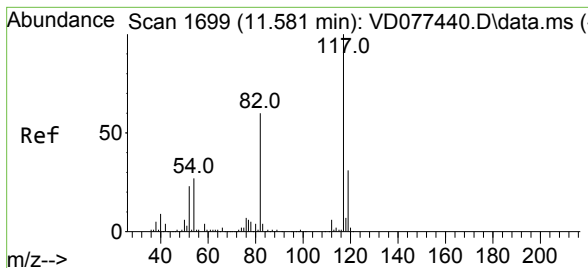
Tgt Ion:129 Resp: 41239
Ion Ratio Lower Upper
129 100
127 75.9 37.1 111.5



#62
4-Bromofluorobenzene
Concen: 67.869 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077443.D
Acq: 30 Oct 2023 12:30

Tgt Ion: 95 Resp: 476314
Ion Ratio Lower Upper
95 100
174 77.0 0.0 201.8
176 74.6 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD077443.D

Acq: 30 Oct 2023 12:30

Instrument :

MSVOA_D

ClientSampleId :

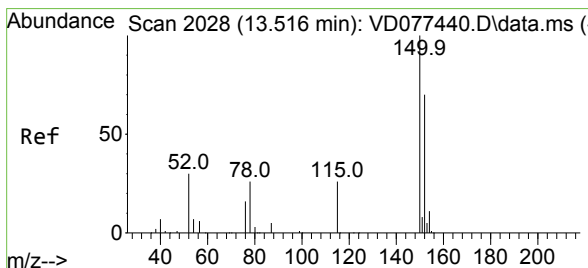
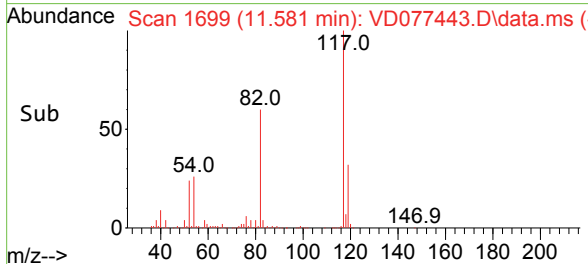
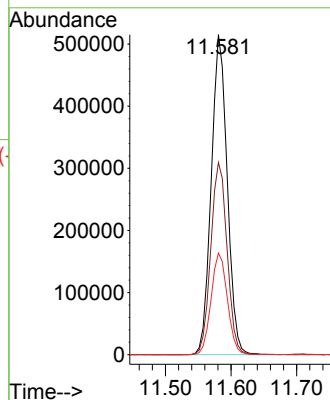
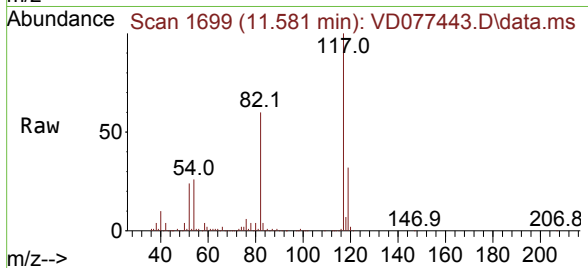
Tgt Ion:117 Resp: 871928

Ion Ratio Lower Upper

117 100

82 60.0 38.3 57.5#

119 31.7 25.0 37.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. 0.000 min

Lab File: VD077443.D

Acq: 30 Oct 2023 12:30

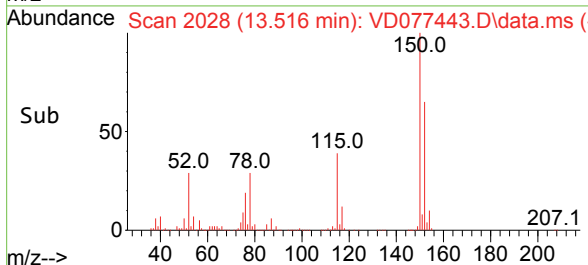
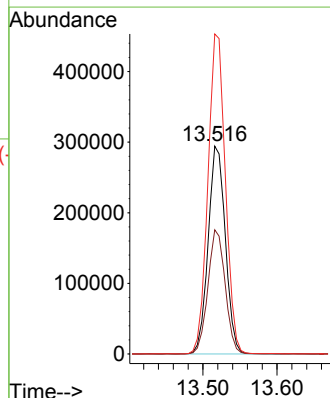
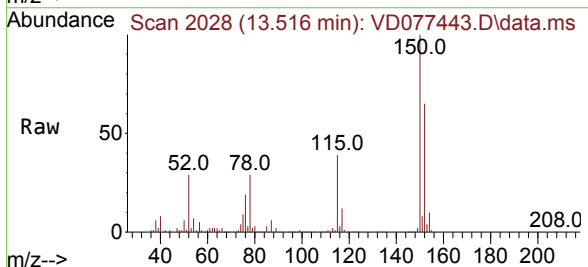
Tgt Ion:152 Resp: 475798

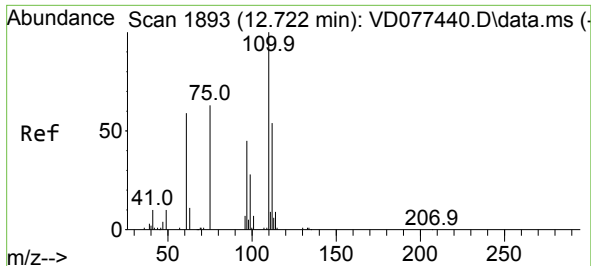
Ion Ratio Lower Upper

152 100

115 60.1 27.1 81.3

150 156.0 0.0 353.6

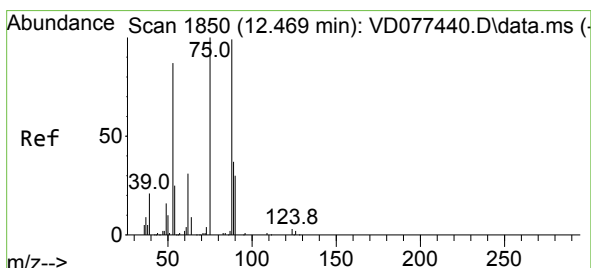
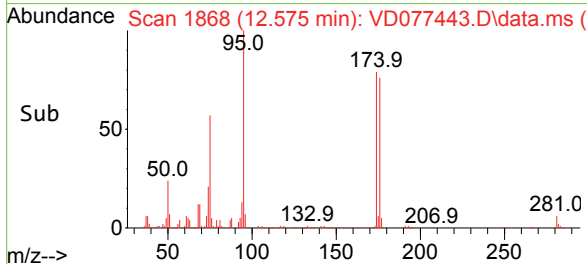
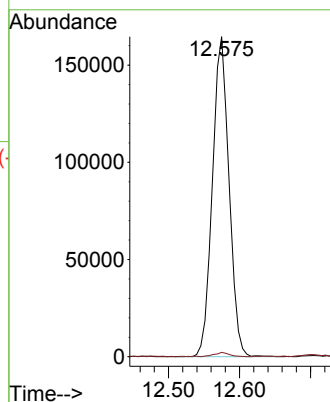
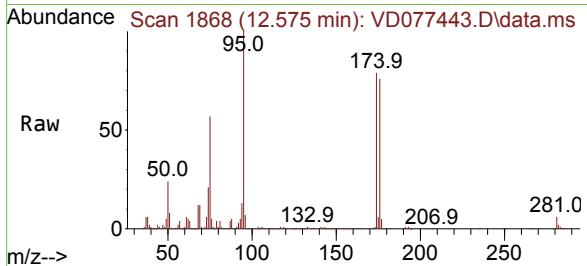




#76
1,2,3-Trichloropropane
Concen: 46.066 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077443.D
Acq: 30 Oct 2023 12:30

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 266763
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.982 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077443.D
Acq: 30 Oct 2023 12:30

Tgt Ion: 75 Resp: 266763
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

