

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121223\
 Data File : VD077849.D
 Acq On : 12 Dec 2023 18:22
 Operator : JC/SY
 Sample : 05726-03
 Misc : 5.01G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-1-VOC

Quant Time: Dec 13 03:12:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 08 13:33:18 2023
 Response via : Initial Calibration

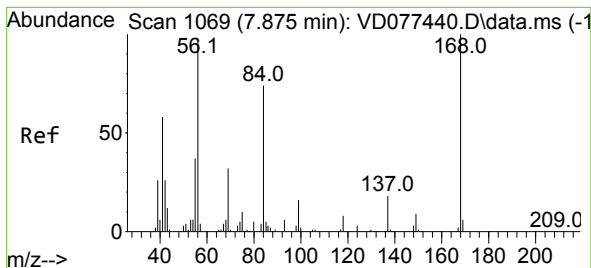
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.881	168	192022	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	353685	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	340846	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	153277	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	94357	41.701	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	83.400%
35) Dibromofluoromethane	7.810	113	105395	42.542	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	85.080%
50) Toluene-d8	10.269	98	453243	45.678	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.360%
62) 4-Bromofluorobenzene	12.575	95	129262	43.573	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	87.140%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.169	59	53	Below Cal	#	73
16) Acetone	4.016	43	466	Below Cal	#	32
20) Methylene Chloride	4.816	84	6187	Below Cal	#	86
25) 2-Butanone	7.093	43	145	Below Cal	#	37
31) Cyclohexane	7.869	56	4454	1.107	ug/l	# 31
36) 1,1-Dichloropropene	7.875	75	15176	3.830	ug/l	# 49
38) Carbon Tetrachloride	7.881	117	20337	5.148	ug/l	# 17
65) Chlorobenzene	11.604	112	139	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	68325	51.325	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	68325	103.988	ug/l	# 17
88) 1,4-Dichlorobenzene	13.539	146	165	Below Cal	#	26
92) 1,2-Dibromo-3-Chloropr...	14.328	75	60	Below Cal	#	1

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

Quant Time: Dec 13 03:12:47 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
Quant Title : SW846 8260
QLast Update : Fri Dec 08 13:33:18 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD077849.D

Acq: 12 Dec 2023 18:22

Instrument :

MSVOA_D

ClientSampleId :

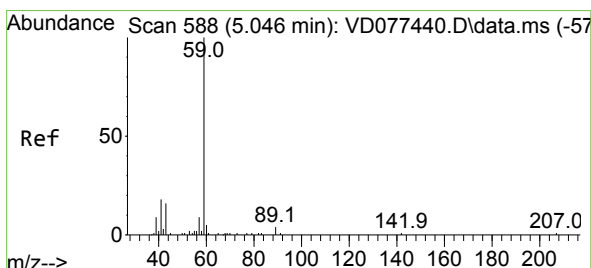
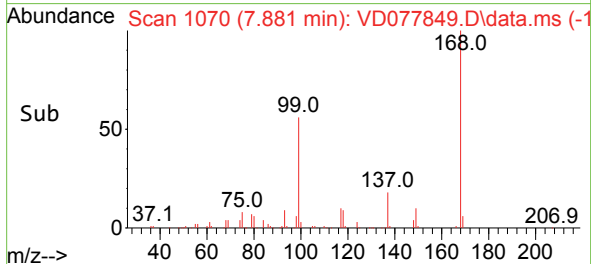
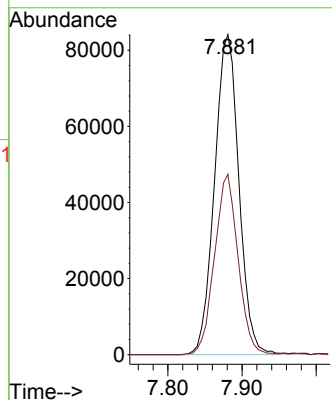
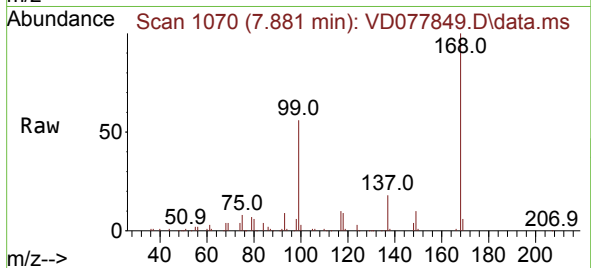
WC-1-VOC

Tgt Ion:168 Resp: 192022

Ion Ratio Lower Upper

168 100

99 56.3 36.7 55.1#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.169 min Scan# 609

Delta R.T. 0.123 min

Lab File: VD077849.D

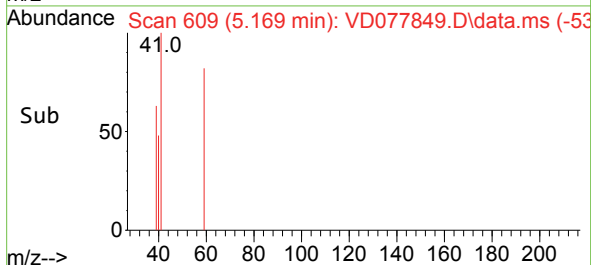
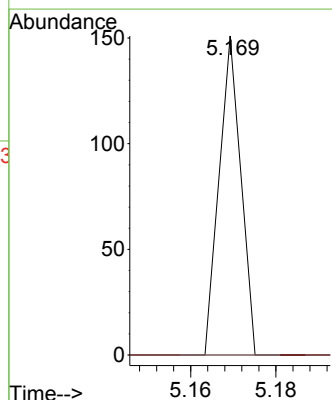
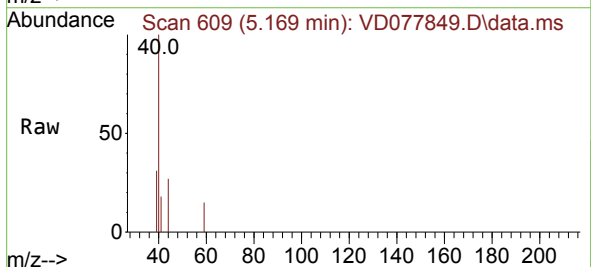
Acq: 12 Dec 2023 18:22

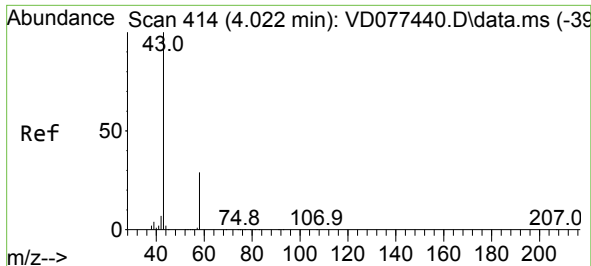
Tgt Ion: 59 Resp: 53

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

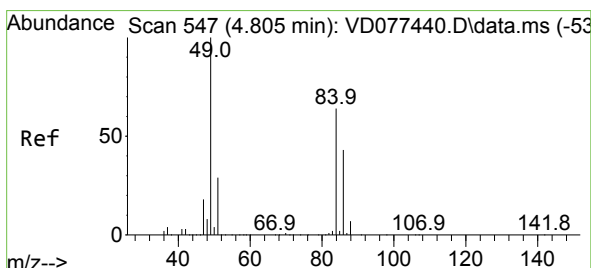
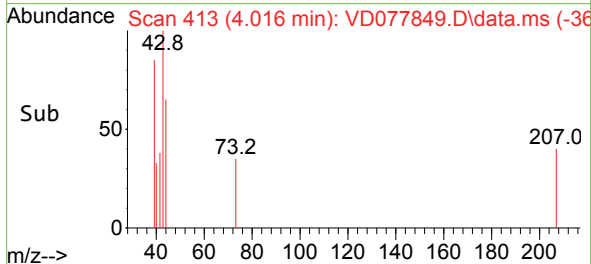
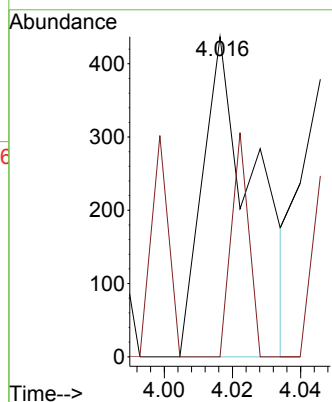
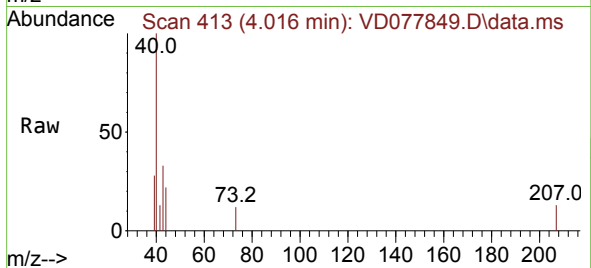




#16
Acetone
Concen: Below Cal
RT: 4.016 min Scan# 414
Delta R.T. -0.006 min
Lab File: VD077849.D
Acq: 12 Dec 2023 18:22

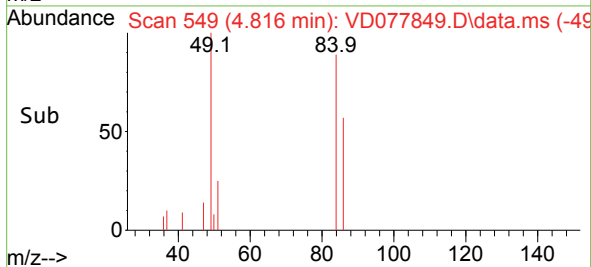
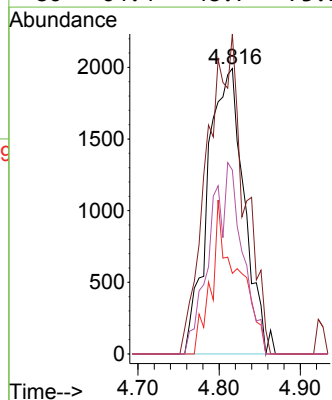
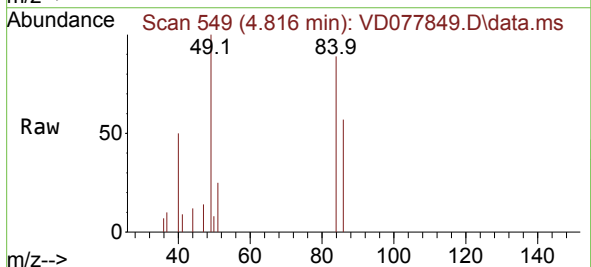
Instrument :
MSVOA_D
ClientSampleId :
WC-1-VOC

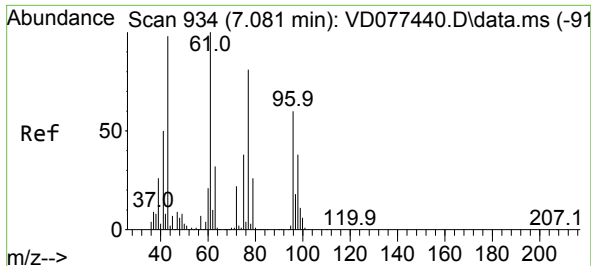
Tgt Ion: 43 Resp: 466
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.816 min Scan# 549
Delta R.T. 0.011 min
Lab File: VD077849.D
Acq: 12 Dec 2023 18:22

Tgt Ion: 84 Resp: 6187
Ion Ratio Lower Upper
84 100
49 112.1 71.4 107.2#
51 28.3 24.5 36.7
86 64.4 48.7 73.1

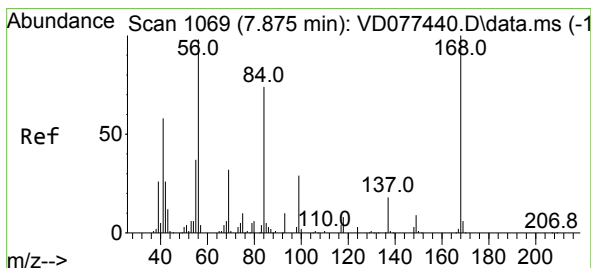
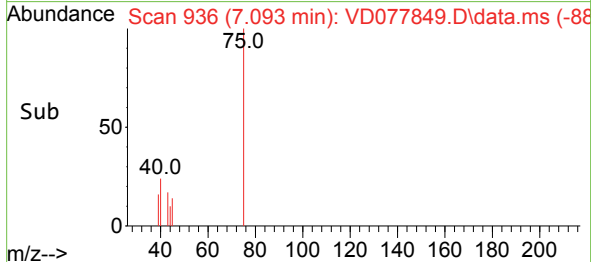
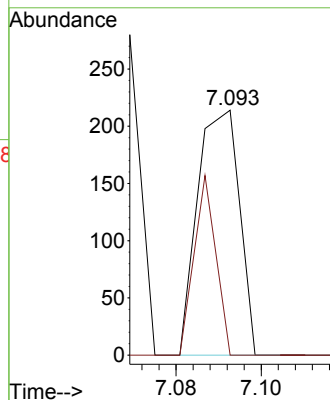
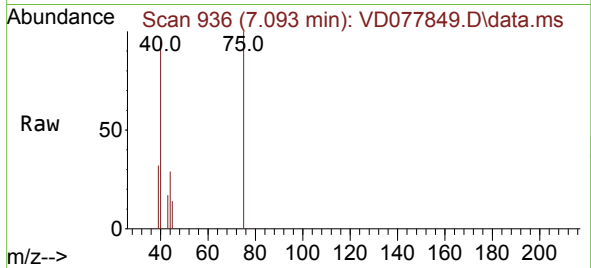




#25
2-Butanone
Concen: Below Cal
RT: 7.093 min Scan# 91
Delta R.T. 0.012 min
Lab File: VD077849.D
Acq: 12 Dec 2023 18:22

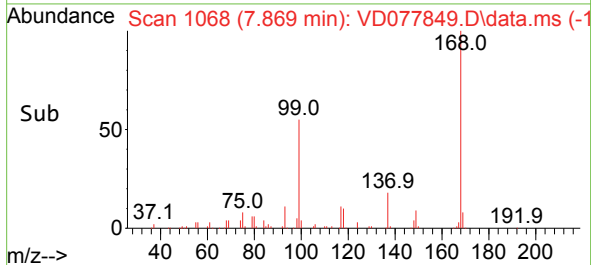
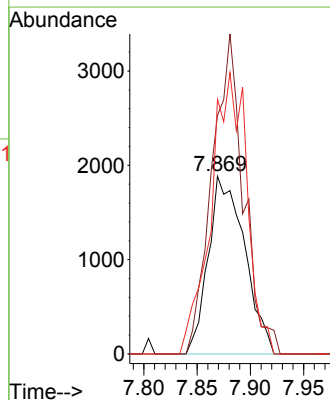
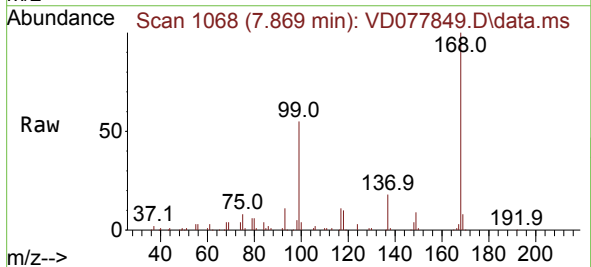
Instrument :
MSVOA_D
ClientSampleId :
WC-1-VOC

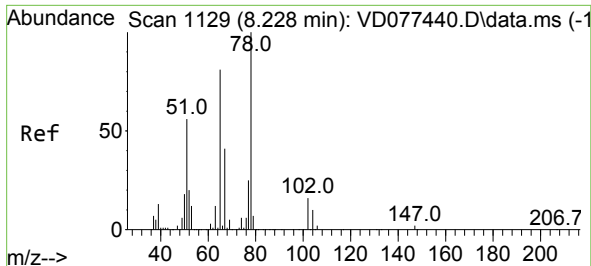
Tgt Ion: 43 Resp: 145
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.107 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD077849.D
Acq: 12 Dec 2023 18:22

Tgt Ion: 56 Resp: 4454
Ion Ratio Lower Upper
56 100
69 134.2 28.6 43.0#
84 143.2 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 41.701 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD077849.D

Acq: 12 Dec 2023 18:22

Instrument :

MSVOA_D

ClientSampleId :

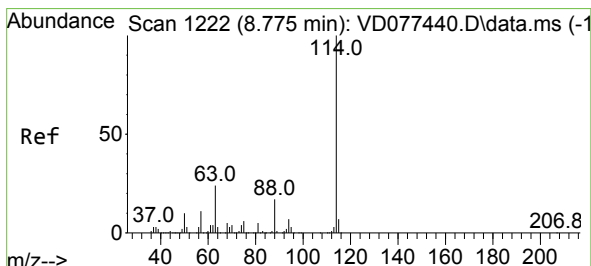
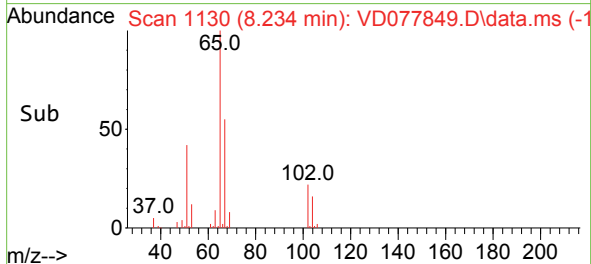
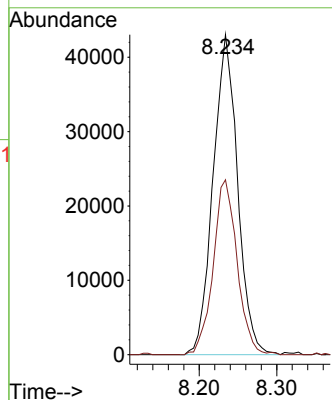
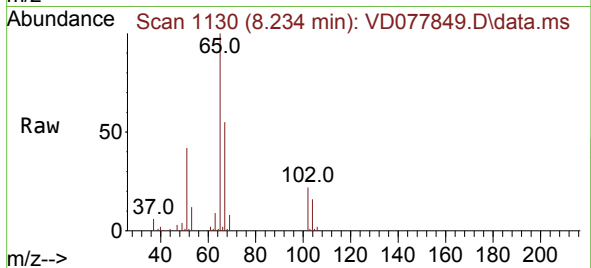
WC-1-VOC

Tgt Ion: 65 Resp: 94357

Ion Ratio Lower Upper

65 100

67 53.5 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD077849.D

Acq: 12 Dec 2023 18:22

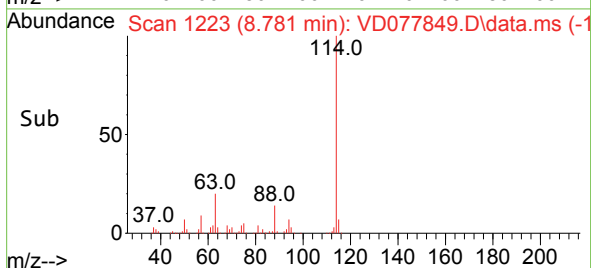
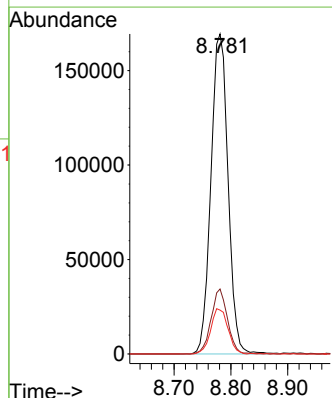
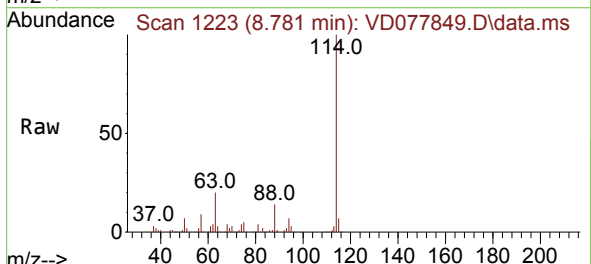
Tgt Ion: 114 Resp: 353685

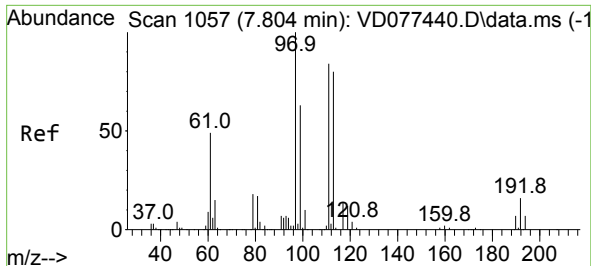
Ion Ratio Lower Upper

114 100

63 20.3 0.0 33.4

88 13.7 0.0 26.2





#35

Dibromofluoromethane

Concen: 42.542 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077849.D

Acq: 12 Dec 2023 18:22

Instrument :

MSVOA_D

ClientSampleId :

WC-1-VOC

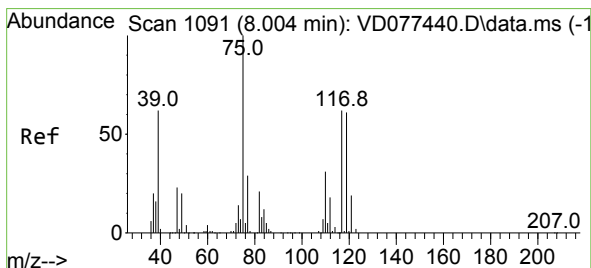
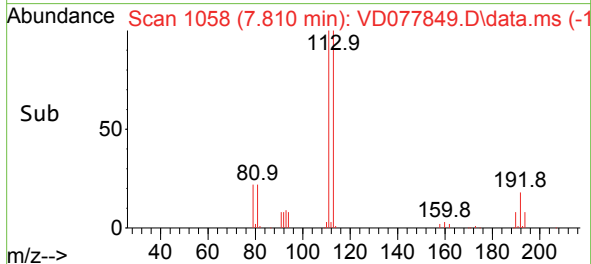
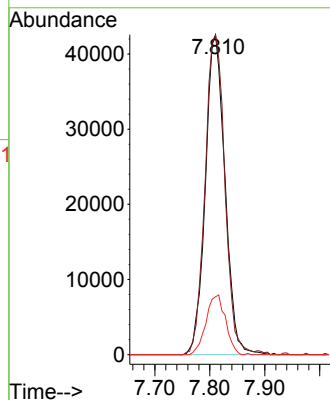
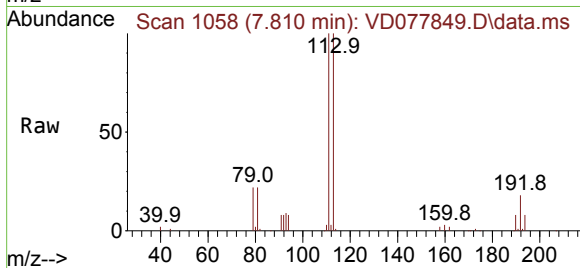
Tgt Ion:113 Resp: 105395

Ion Ratio Lower Upper

113 100

111 101.0 84.7 127.1

192 18.6 16.8 25.2



#36

1,1-Dichloropropene

Concen: 3.830 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.129 min

Lab File: VD077849.D

Acq: 12 Dec 2023 18:22

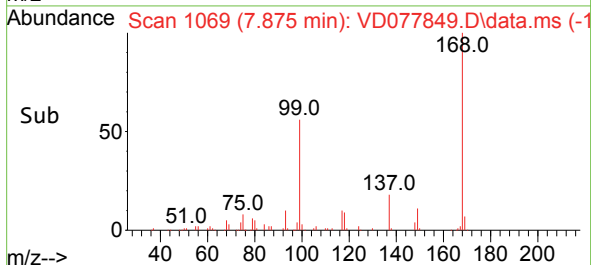
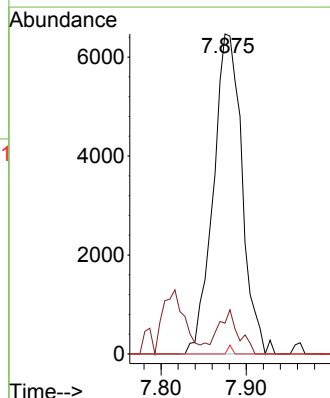
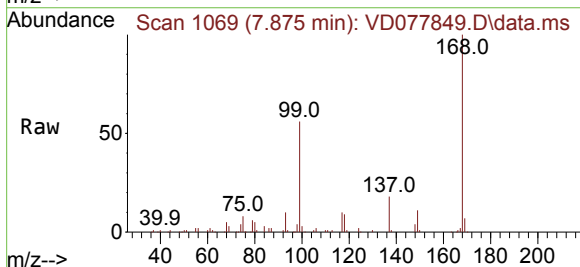
Tgt Ion: 75 Resp: 15176

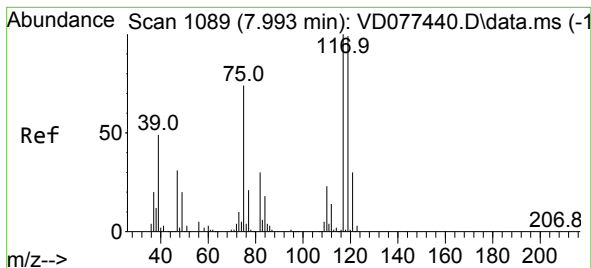
Ion Ratio Lower Upper

75 100

110 10.2 19.9 59.6#

77 0.4 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.148 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.112 min

Lab File: VD077849.D

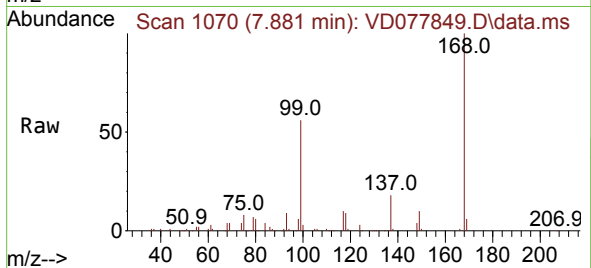
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Instrument :

MSVOA_D

ClientSampleId :

WC-1-VOC



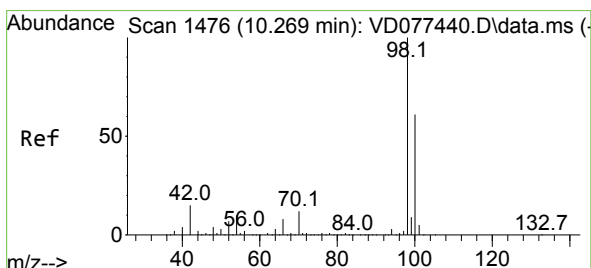
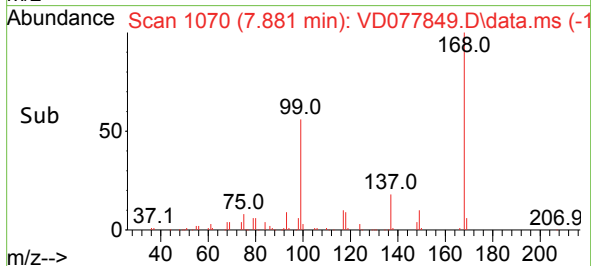
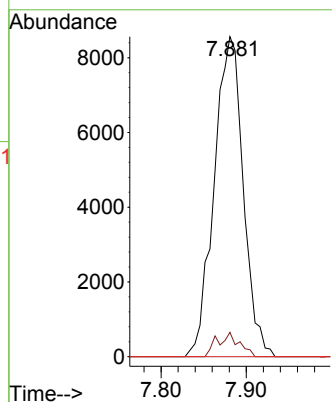
Tgt Ion:117 Resp: 20337

Ion Ratio Lower Upper

117 100

119 7.6 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 45.678 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD077849.D

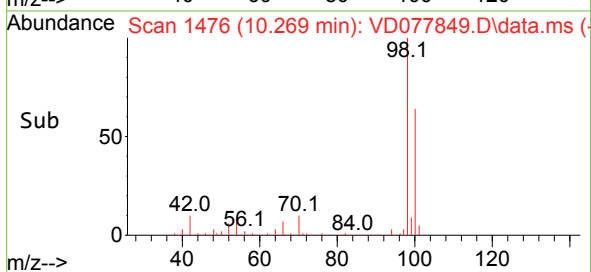
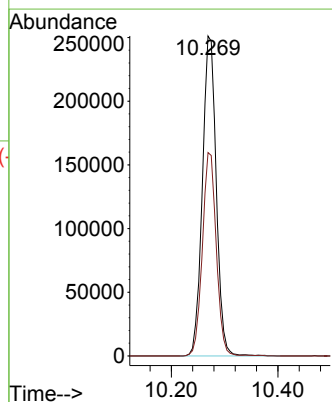
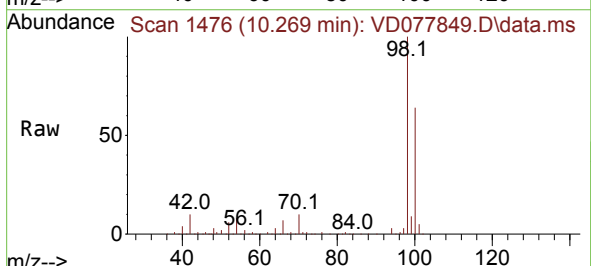
Acq: 12 Dec 2023 18:22

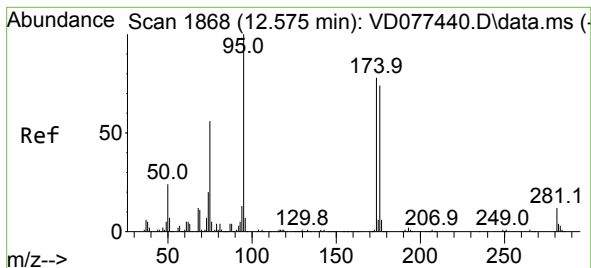
Tgt Ion: 98 Resp: 453243

Ion Ratio Lower Upper

98 100

100 63.8 50.3 75.5

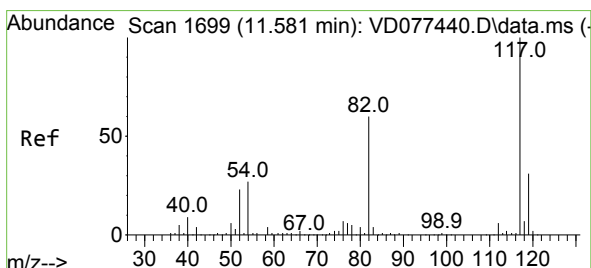
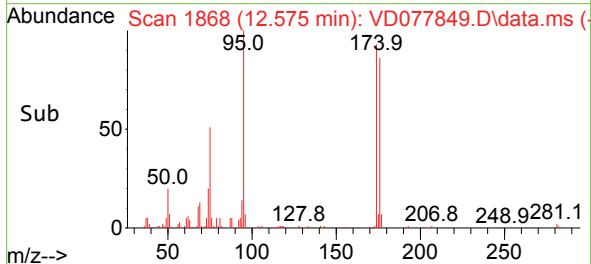
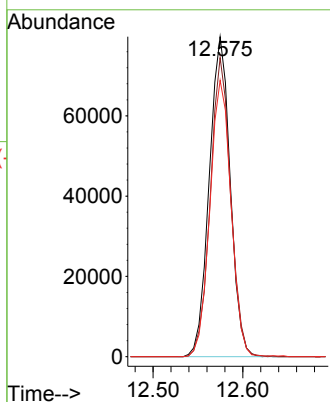
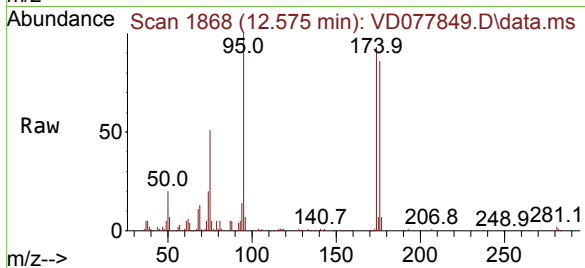




#62
4-Bromofluorobenzene
Concen: 43.573 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077849.D
Acq: 12 Dec 2023 18:22

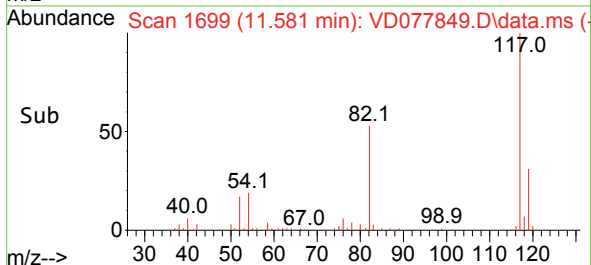
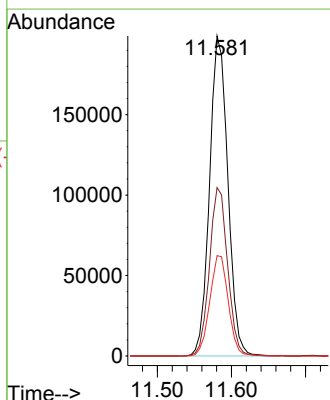
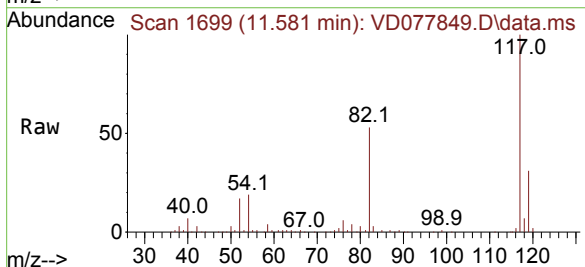
Instrument :
MSVOA_D
ClientSampleId :
WC-1-VOC

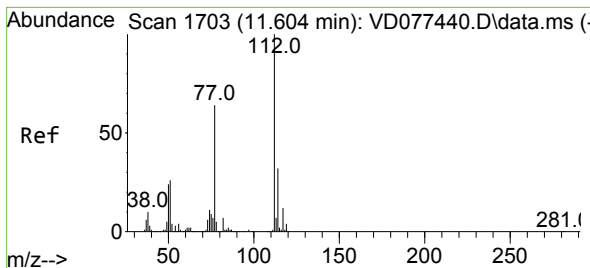
Tgt Ion: 95 Resp: 129262
Ion Ratio Lower Upper
95 100
174 90.6 0.0 201.8
176 86.8 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077849.D
Acq: 12 Dec 2023 18:22

Tgt Ion: 117 Resp: 340846
Ion Ratio Lower Upper
117 100
82 52.6 38.3 57.5
119 31.4 25.0 37.4





#65

Chlorobenzene

Concen: Below Cal

RT: 11.604 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD077849.D

Acq: 12 Dec 2023 18:22

Instrument :

MSVOA_D

ClientSampleId :

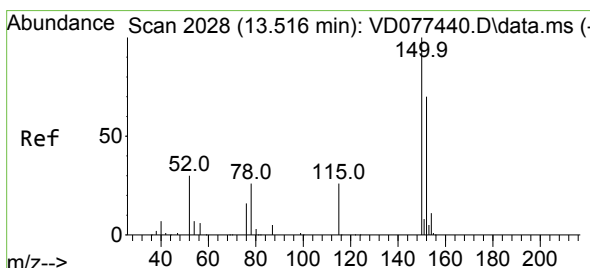
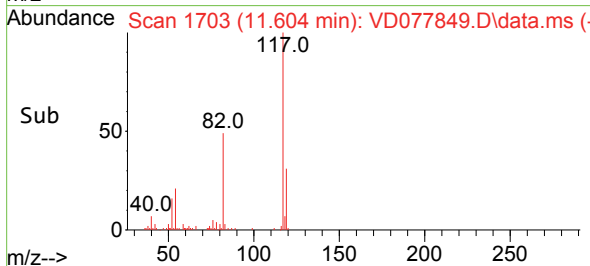
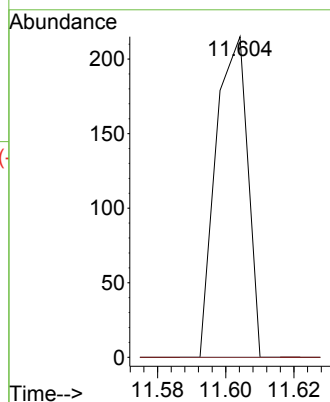
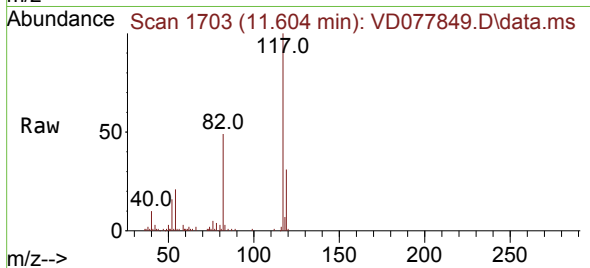
WC-1-VOC

Tgt Ion:112 Resp: 139

Ion Ratio Lower Upper

112 100

114 0.0 25.1 37.7#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 2029

Delta R.T. 0.006 min

Lab File: VD077849.D

Acq: 12 Dec 2023 18:22

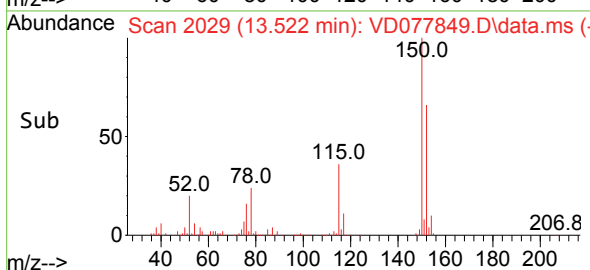
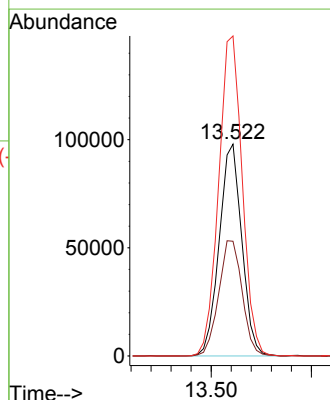
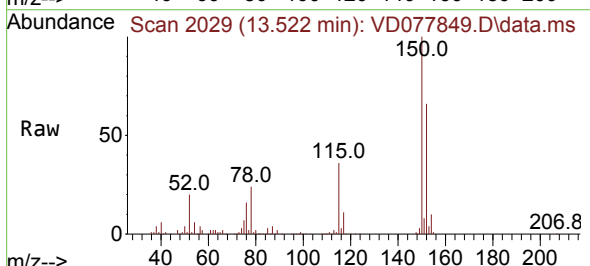
Tgt Ion:152 Resp: 153277

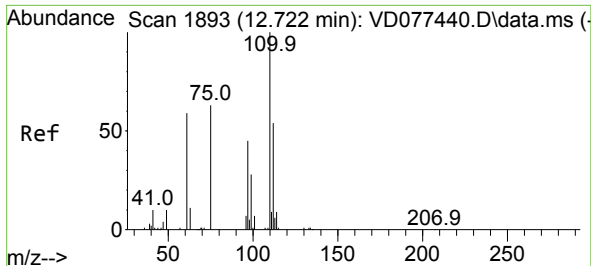
Ion Ratio Lower Upper

152 100

115 56.4 27.1 81.3

150 157.3 0.0 353.6

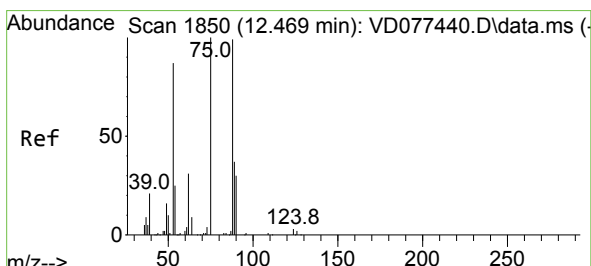
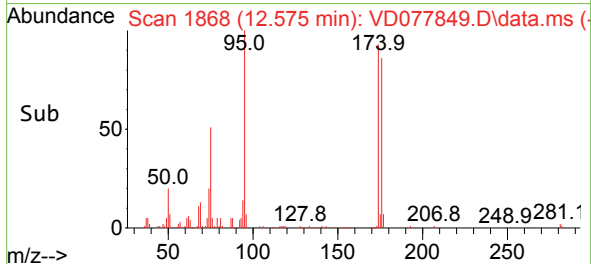
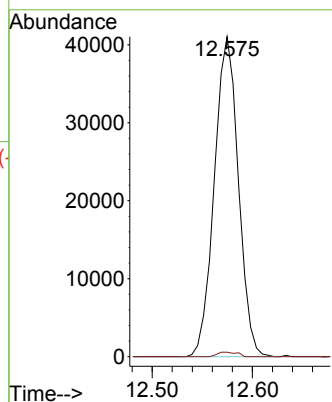
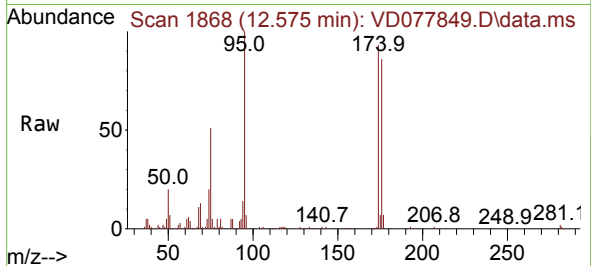




#76
1,2,3-Trichloropropane
Concen: 51.325 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077849.D
Acq: 12 Dec 2023 18:22

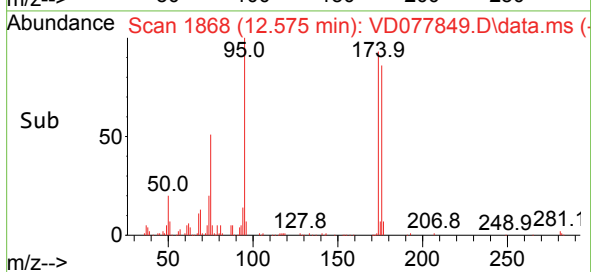
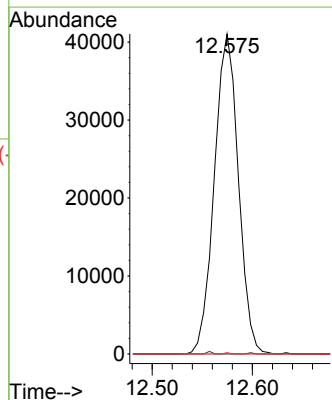
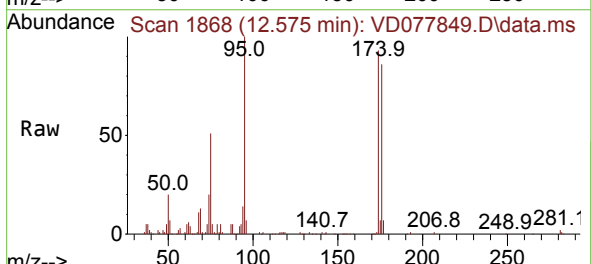
Instrument :
MSVOA_D
ClientSampleId :
WC-1-VOC

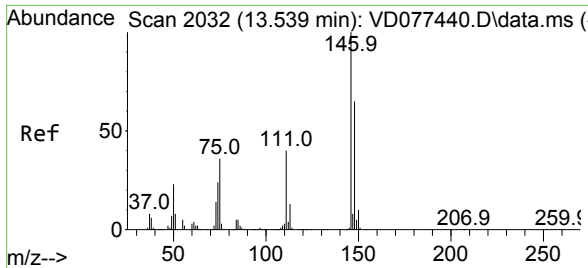
Tgt Ion: 75 Resp: 68325
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.988 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077849.D
Acq: 12 Dec 2023 18:22

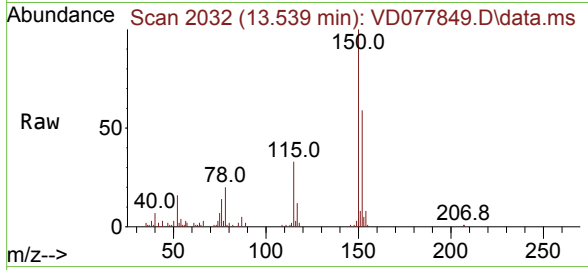
Tgt Ion: 75 Resp: 68325
Ion Ratio Lower Upper
75 100
53 0.2 63.0 94.4#
89 0.1 37.9 56.9#





#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.539 min Scan# 2032
 Delta R.T. 0.000 min
 Lab File: VD077849.D
 Acq: 12 Dec 2023 18:22

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-1-VOC



Tgt Ion:	146	Resp:	165
Ion	Ratio	Lower	Upper
146	100		
111	0.0	17.4	52.3#
148	0.0	31.7	95.1#

