

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121223\
 Data File : VD077848.D
 Acq On : 12 Dec 2023 17:55
 Operator : JC/SY
 Sample : 05769-03
 Misc : 5.02G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-1-VOC

Quant Time: Dec 13 03:12:28 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)

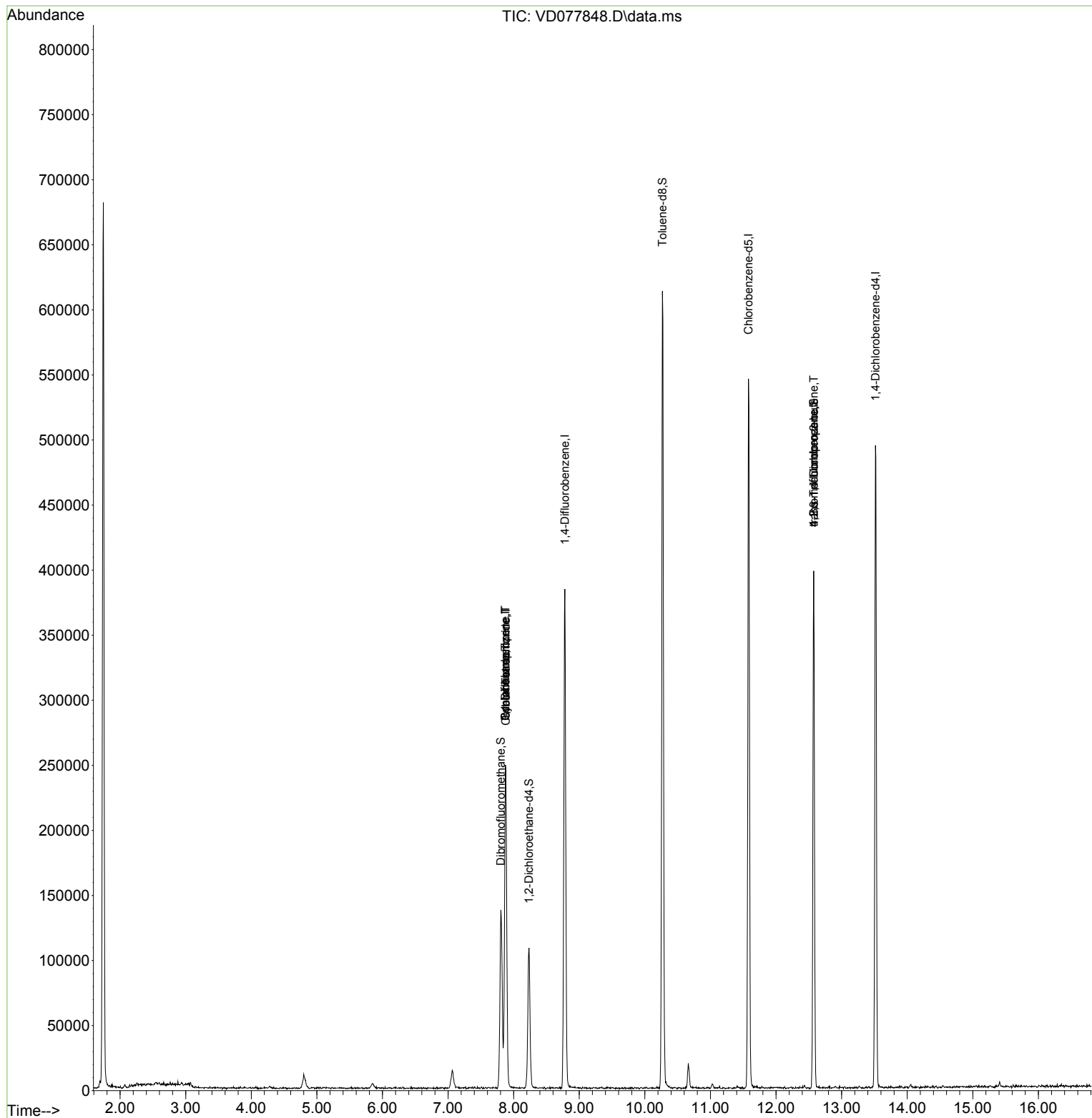
Internal Standards						
1) Pentafluorobenzene	7.875	168	193101	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	346090	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	315475	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	136495	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	83492	36.693	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	73.380%
35) Dibromofluoromethane	7.804	113	98387	40.585	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	81.160%
50) Toluene-d8	10.269	98	428819	44.165	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	88.340%
62) 4-Bromofluorobenzene	12.575	95	117940	40.629	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.260%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.999	59	96	Below Cal	#	73
16) Acetone	4.046	43	684	Below Cal	#	32
20) Methylene Chloride	4.805	84	6668	Below Cal	#	75
25) 2-Butanone	7.069	43	464	Below Cal	#	37
31) Cyclohexane	7.875	56	4377	1.081	ug/l #	53
36) 1,1-Dichloropropene	7.875	75	16475	4.249	ug/l #	48
38) Carbon Tetrachloride	7.881	117	19272	4.985	ug/l #	15
65) Chlorobenzene	11.598	112	134	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	63544	53.603	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	63544	108.602	ug/l #	17
88) 1,4-Dichlorobenzene	13.522	146	310	Below Cal	#	1

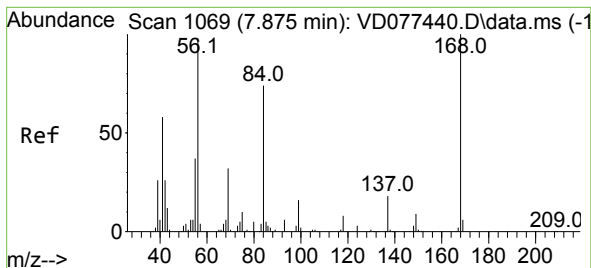
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.875 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD077848.D

Acq: 12 Dec 2023 17:55

Instrument :

MSVOA_D

ClientSampleId :

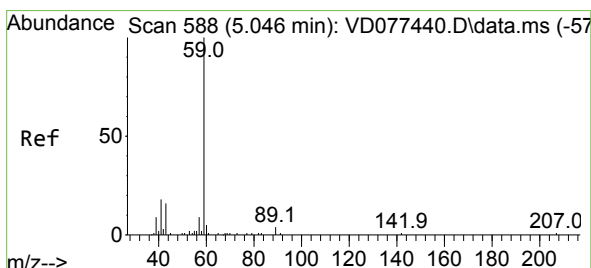
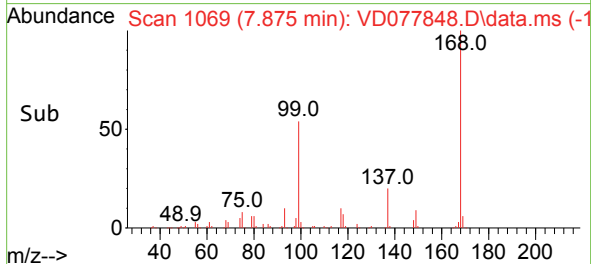
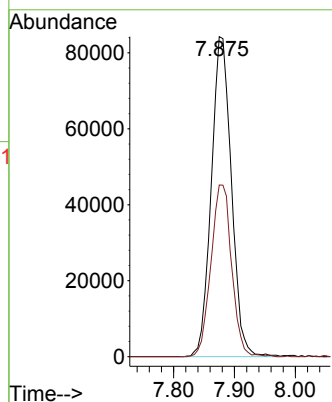
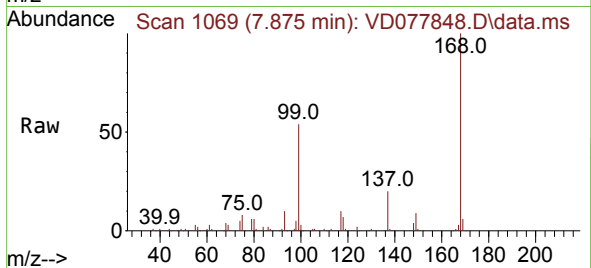
WC-1-VOC

Tgt Ion:168 Resp: 193101

Ion Ratio Lower Upper

168 100

99 53.6 36.7 55.1



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.999 min Scan# 580

Delta R.T. -0.047 min

Lab File: VD077848.D

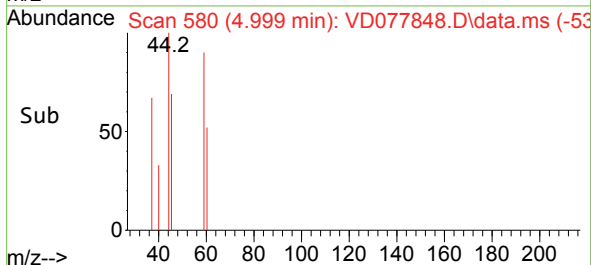
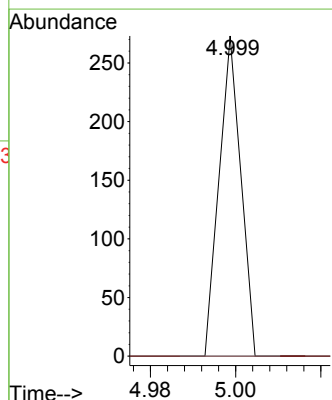
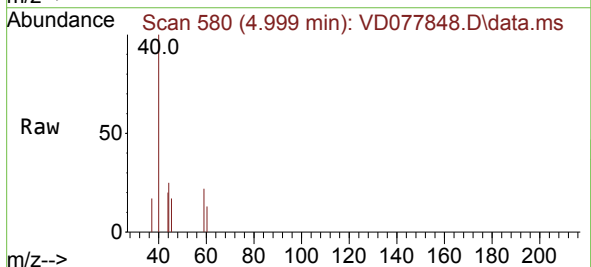
Acq: 12 Dec 2023 17:55

Tgt Ion: 59 Resp: 96

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#





#16

Acetone

Concen: Below Cal

RT: 4.046 min Scan# 41

Delta R.T. 0.024 min

Lab File: VD077848.D

Acq: 12 Dec 2023 17:55

Instrument :

MSVOA_D

ClientSampleId :

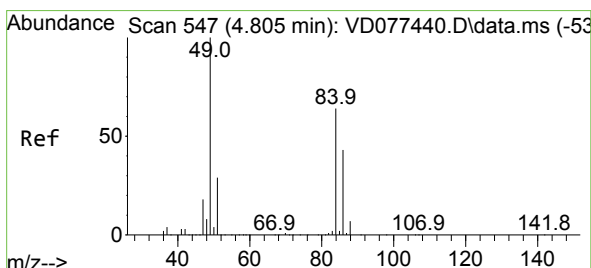
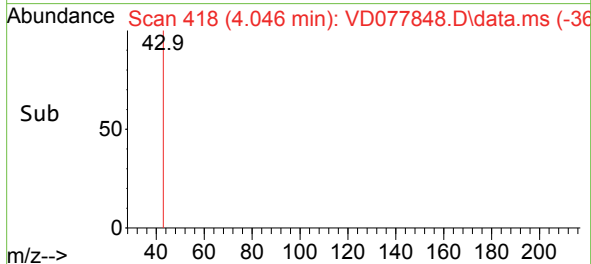
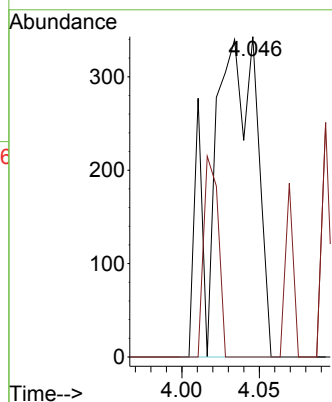
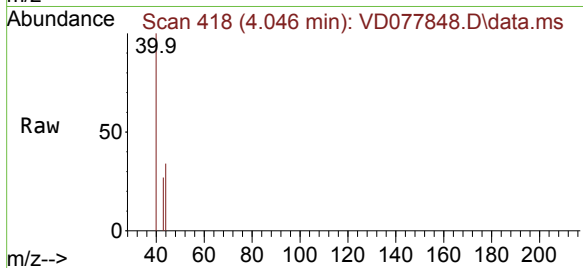
WC-1-VOC

Tgt Ion: 43 Resp: 684

Ion Ratio Lower Upper

43 100

58 0.0 34.7 52.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.805 min Scan# 547

Delta R.T. -0.000 min

Lab File: VD077848.D

Acq: 12 Dec 2023 17:55

Tgt Ion: 84 Resp: 6668

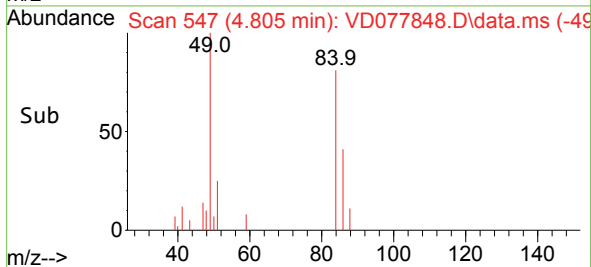
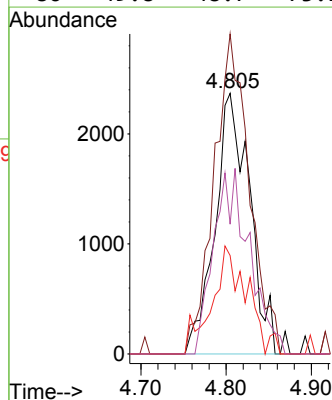
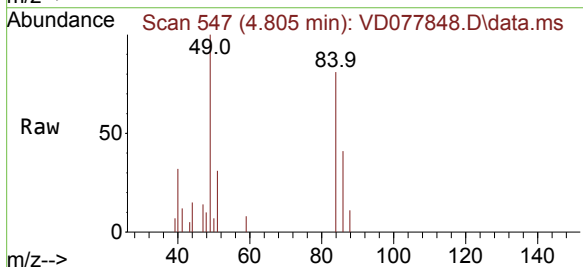
Ion Ratio Lower Upper

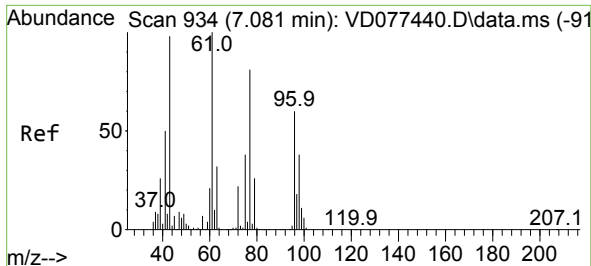
84 100

49 122.8 71.4 107.2#

51 37.8 24.5 36.7#

86 49.8 48.7 73.1

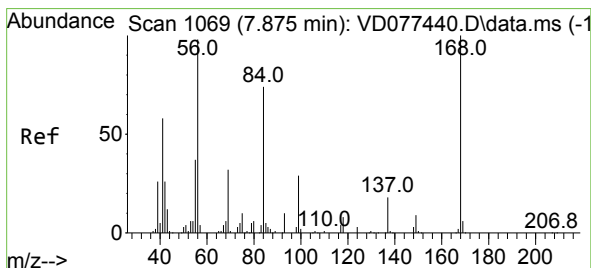
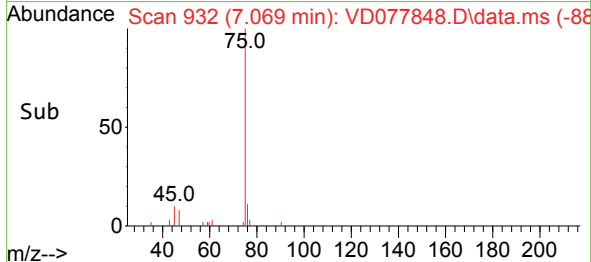
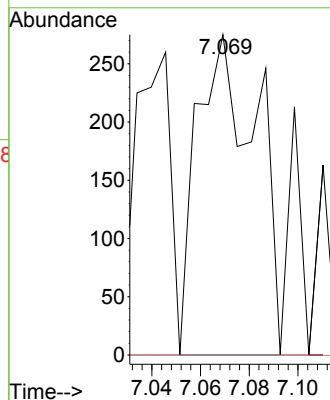
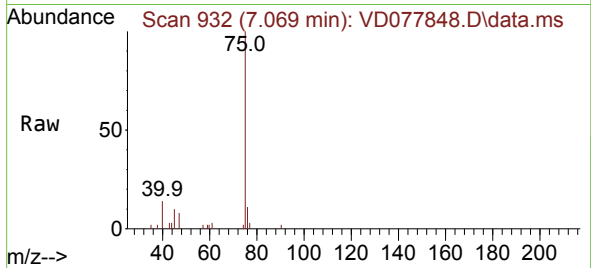




#25
2-Butanone
Concen: Below Cal
RT: 7.069 min Scan# 91
Delta R.T. -0.012 min
Lab File: VD077848.D
Acq: 12 Dec 2023 17:55

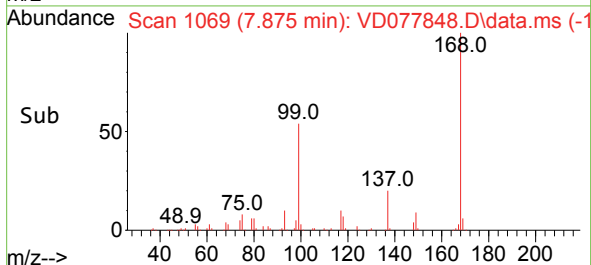
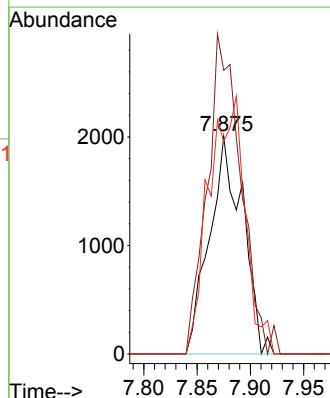
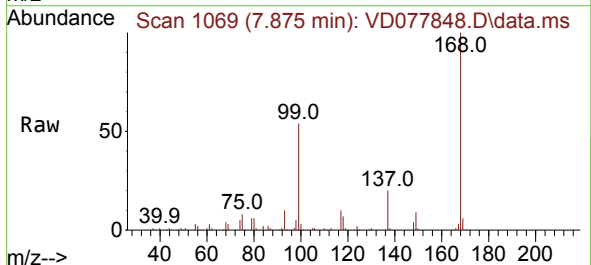
Instrument :
MSVOA_D
ClientSampleId :
WC-1-VOC

Tgt Ion: 43 Resp: 464
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.081 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077848.D
Acq: 12 Dec 2023 17:55

Tgt Ion: 56 Resp: 4377
Ion Ratio Lower Upper
56 100
69 130.3 28.6 43.0#
84 97.7 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 36.693 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD077848.D

Acq: 12 Dec 2023 17:55

Instrument :

MSVOA_D

ClientSampleId :

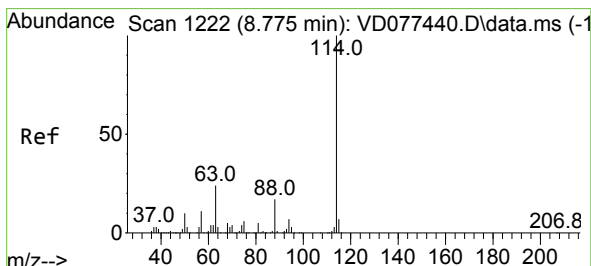
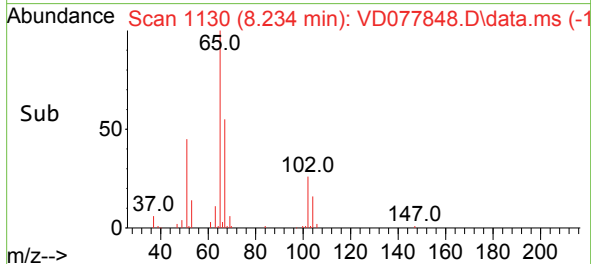
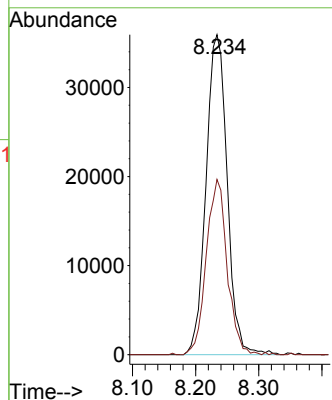
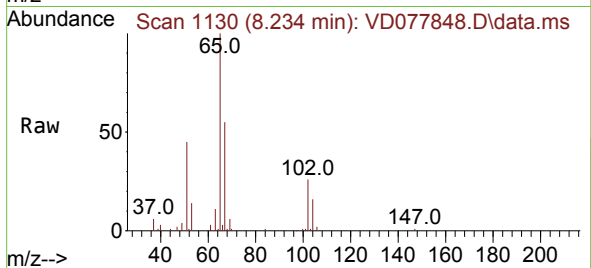
WC-1-VOC

Tgt Ion: 65 Resp: 83492

Ion Ratio Lower Upper

65 100

67 54.0 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: VD077848.D

Acq: 12 Dec 2023 17:55

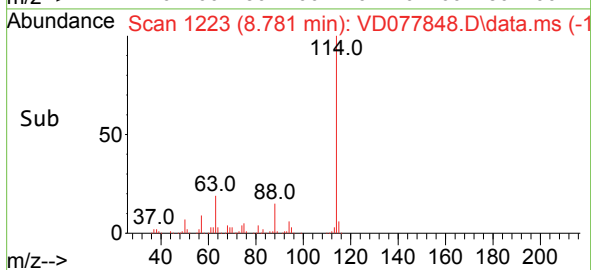
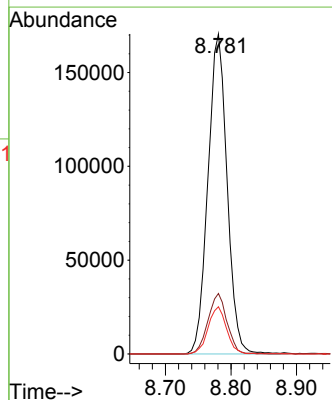
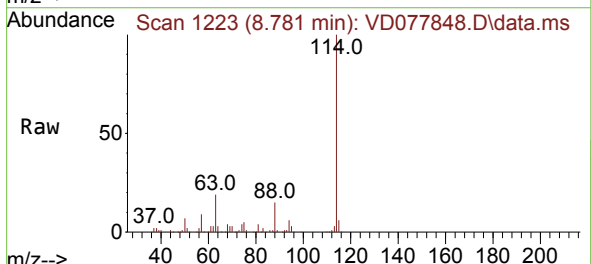
Tgt Ion: 114 Resp: 346090

Ion Ratio Lower Upper

114 100

63 18.9 0.0 33.4

88 14.7 0.0 26.2





#35

Dibromofluoromethane

Concen: 40.585 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD077848.D

Acq: 12 Dec 2023 17:55

Instrument :

MSVOA_D

ClientSampleId :

WC-1-VOC

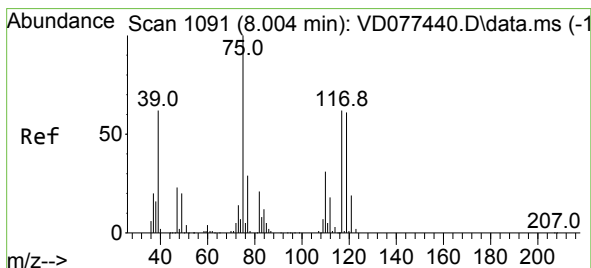
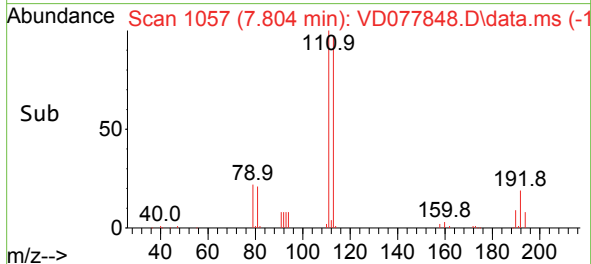
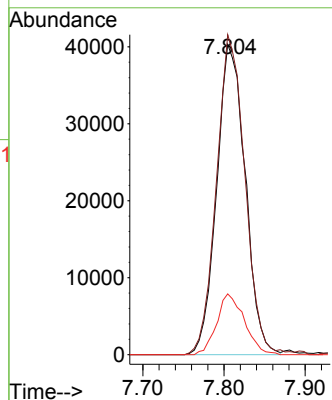
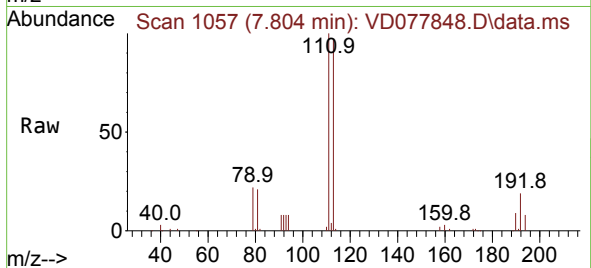
Tgt Ion:113 Resp: 98387

Ion Ratio Lower Upper

113 100

111 102.9 84.7 127.1

192 19.1 16.8 25.2



#36

1,1-Dichloropropene

Concen: 4.249 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.129 min

Lab File: VD077848.D

Acq: 12 Dec 2023 17:55

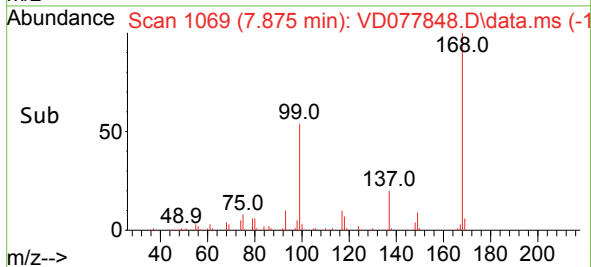
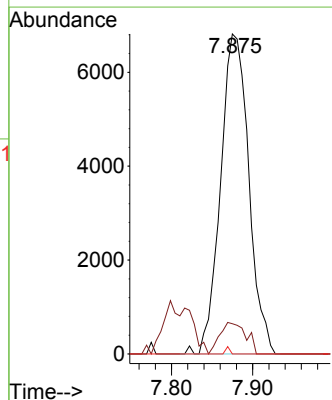
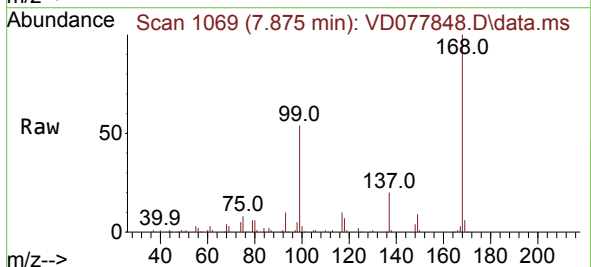
Tgt Ion: 75 Resp: 16475

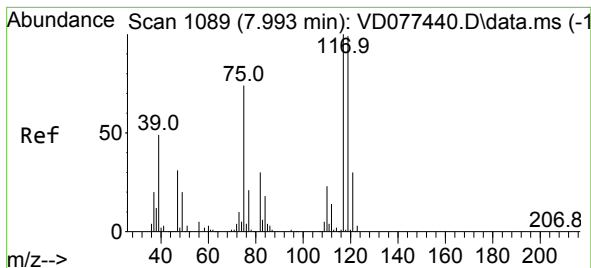
Ion Ratio Lower Upper

75 100

110 9.1 19.9 59.6#

77 0.3 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 4.985 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.112 min

Lab File: VD077848.D

Acq: 12 Dec 2023 17:55

Instrument :

MSVOA_D

ClientSampleId :

WC-1-VOC

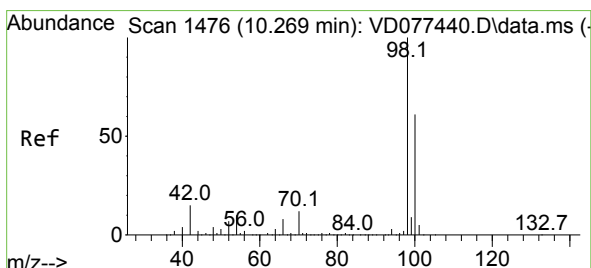
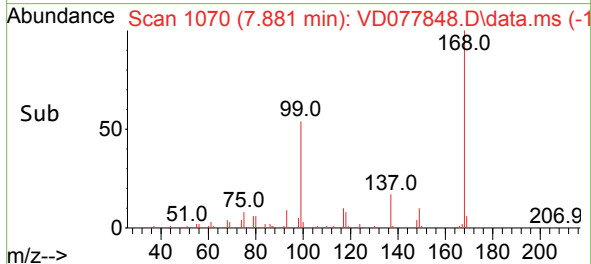
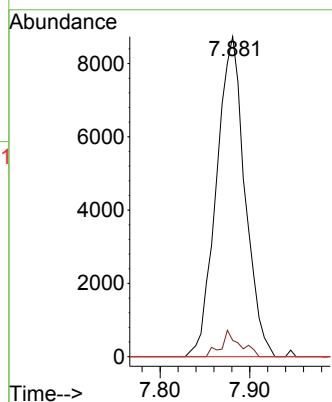
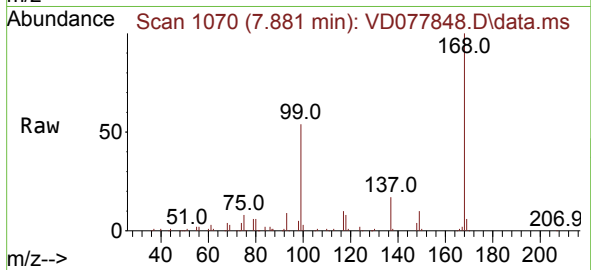
Tgt Ion:117 Resp: 19272

Ion Ratio Lower Upper

117 100

119 5.1 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 44.165 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077848.D

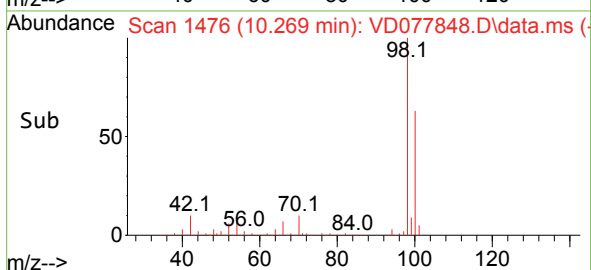
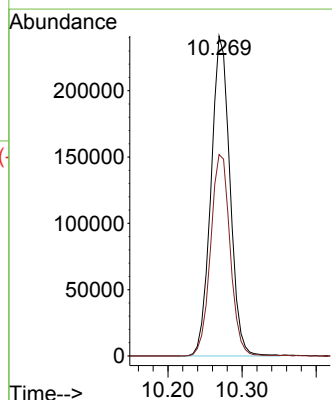
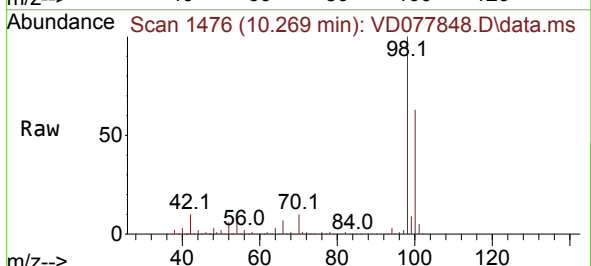
Acq: 12 Dec 2023 17:55

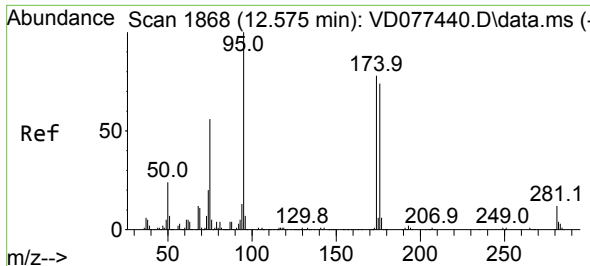
Tgt Ion: 98 Resp: 428819

Ion Ratio Lower Upper

98 100

100 64.9 50.3 75.5

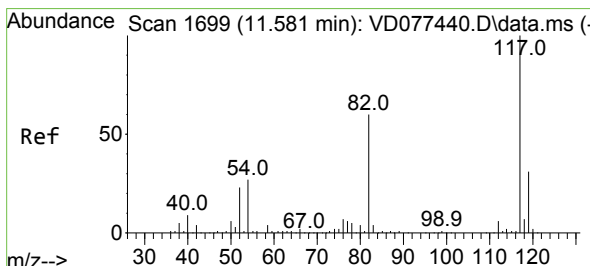
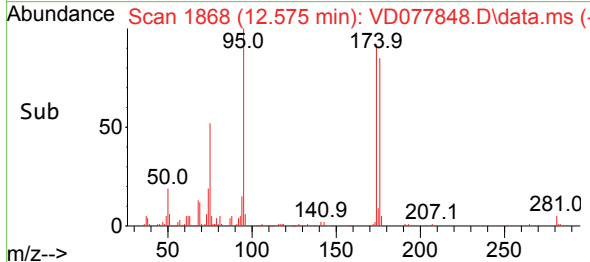
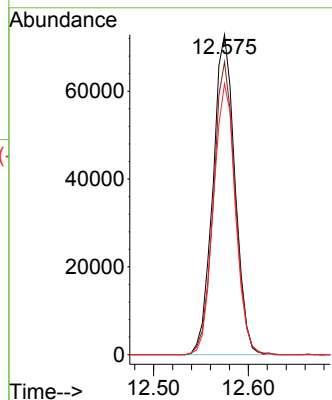
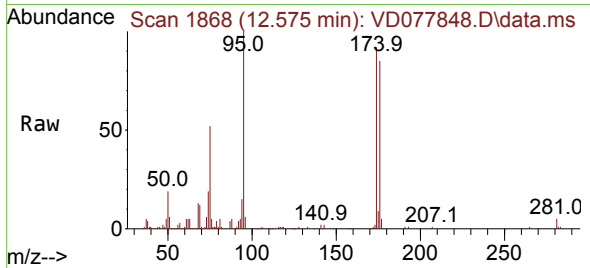




#62
4-Bromofluorobenzene
Concen: 40.629 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077848.D
Acq: 12 Dec 2023 17:55

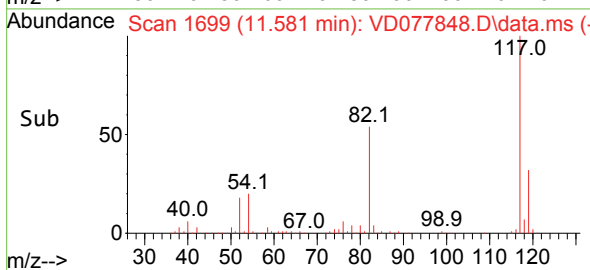
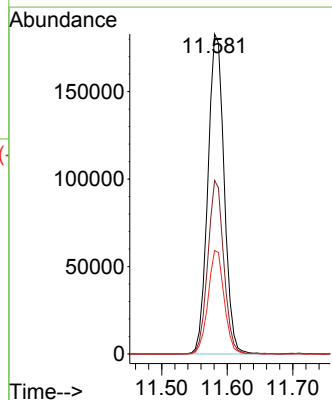
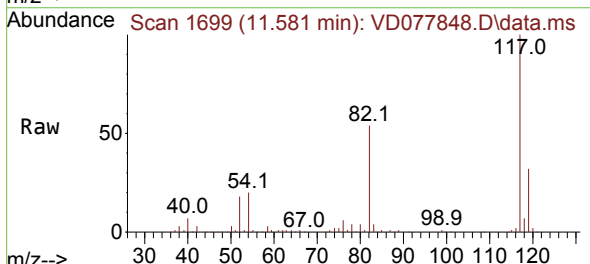
Instrument :
MSVOA_D
ClientSampleId :
WC-1-VOC

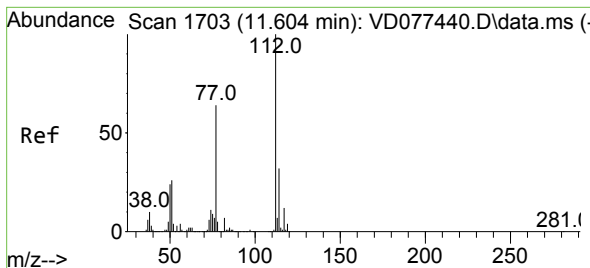
Tgt Ion: 95 Resp: 117940
Ion Ratio Lower Upper
95 100
174 90.3 0.0 201.8
176 84.5 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077848.D
Acq: 12 Dec 2023 17:55

Tgt Ion: 117 Resp: 315475
Ion Ratio Lower Upper
117 100
82 54.2 38.3 57.5
119 32.3 25.0 37.4





#65

Chlorobenzene

Concen: Below Cal

RT: 11.598 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD077848.D

Acq: 12 Dec 2023 17:55

Instrument :

MSVOA_D

ClientSampleId :

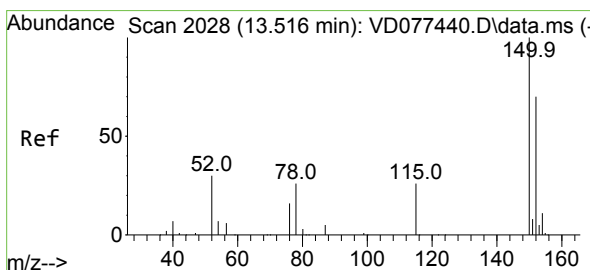
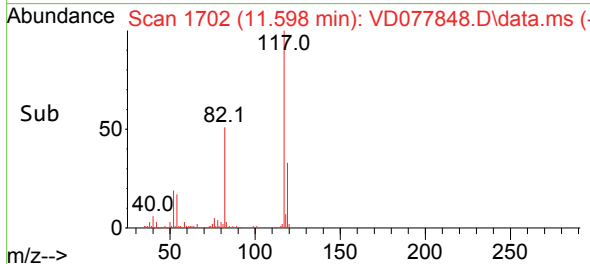
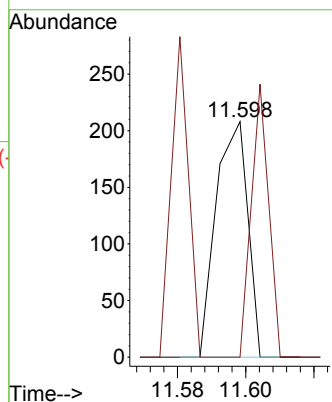
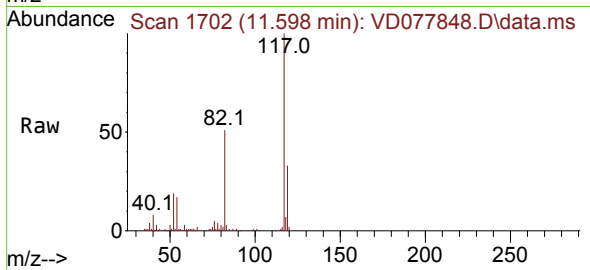
WC-1-VOC

Tgt Ion:112 Resp: 134

Ion Ratio Lower Upper

112 100

114 0.0 25.1 37.7#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. -0.000 min

Lab File: VD077848.D

Acq: 12 Dec 2023 17:55

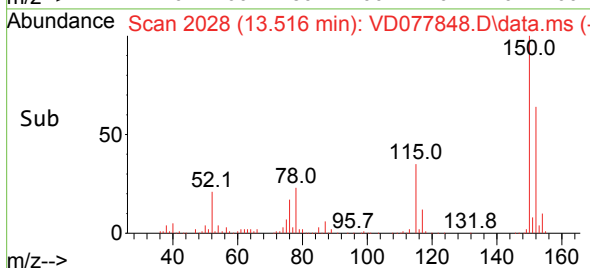
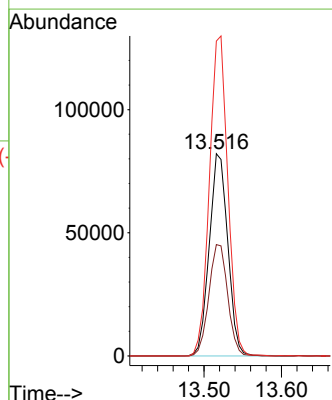
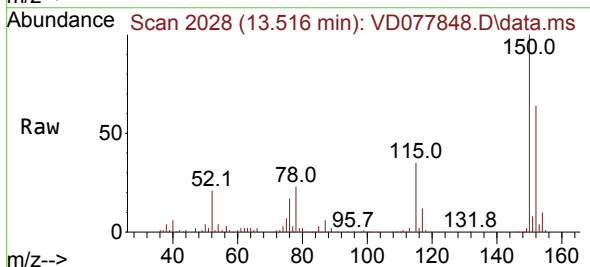
Tgt Ion:152 Resp: 136495

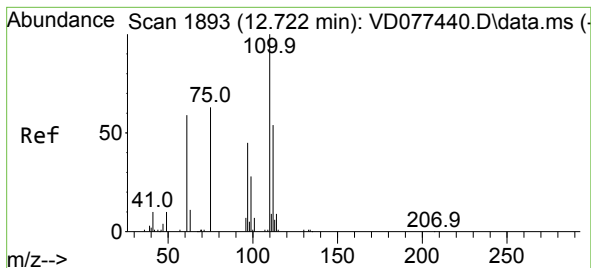
Ion Ratio Lower Upper

152 100

115 55.8 27.1 81.3

150 156.5 0.0 353.6





#76

1,2,3-Trichloropropane

Concen: 53.603 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD077848.D

Acq: 12 Dec 2023 17:55

Instrument :

MSVOA_D

ClientSampleId :

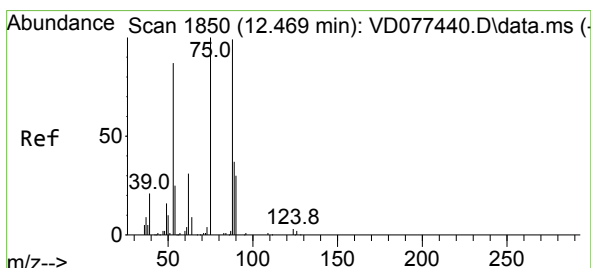
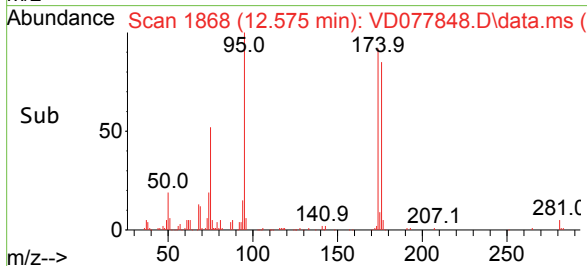
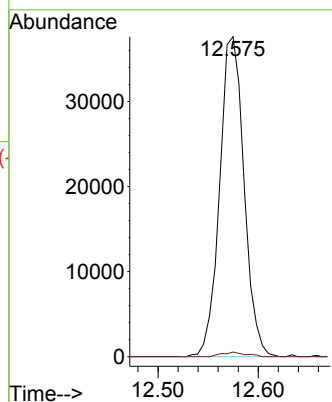
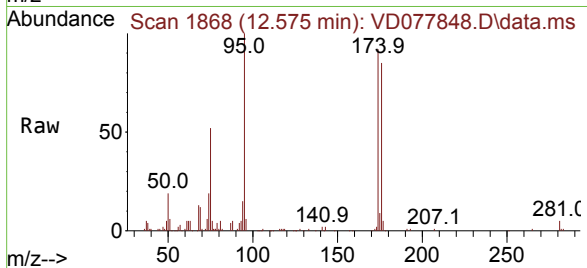
WC-1-VOC

Tgt Ion: 75 Resp: 63544

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 108.602 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.106 min

Lab File: VD077848.D

Acq: 12 Dec 2023 17:55

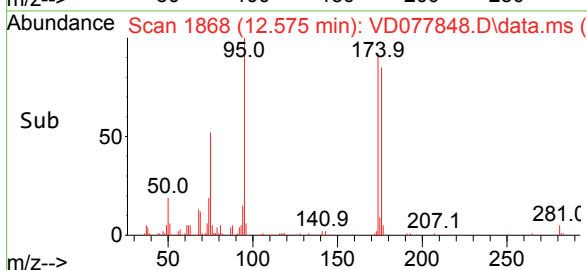
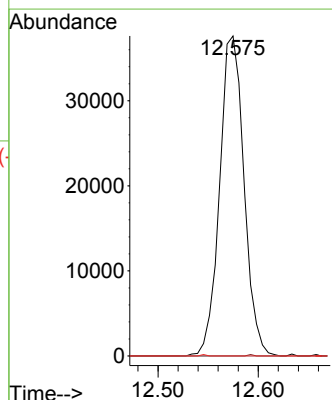
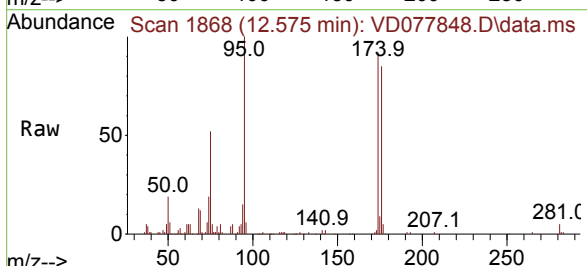
Tgt Ion: 75 Resp: 63544

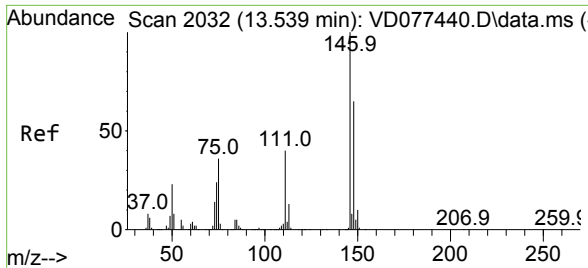
Ion Ratio Lower Upper

75 100

53 0.1 63.0 94.4#

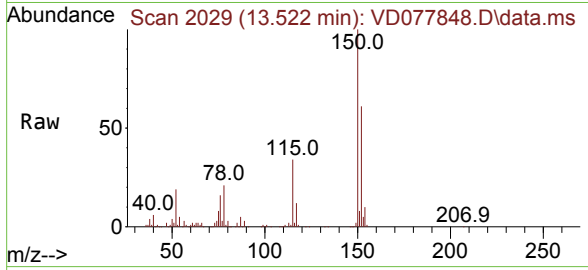
89 0.0 37.9 56.9#





#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.522 min Scan# 20
 Delta R.T. -0.017 min
 Lab File: VD077848.D
 Acq: 12 Dec 2023 17:55

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-1-VOC



Tgt Ion	Ratio	Lower	Upper
146	100		
111	694.8	17.4	52.3#
148	0.0	31.7	95.1#

