

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121223\
 Data File : VD077845.D
 Acq On : 12 Dec 2023 16:38
 Operator : JC/SY
 Sample : 05726-07
 Misc : 5.50G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-2-VOC

Quant Time: Dec 13 03:11:26 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

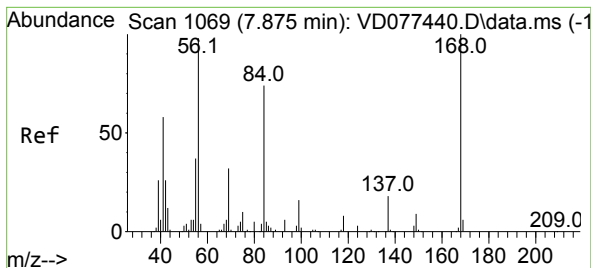
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.881	168	187613	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	342840	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	321325	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	143685	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	91730	41.493	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	82.980%
35) Dibromofluoromethane	7.810	113	102582	42.716	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	85.440%
50) Toluene-d8	10.269	98	439820	45.728	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.460%
62) 4-Bromofluorobenzene	12.575	95	123520	42.954	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.900%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.158	59	55	Below Cal	#	73
16) Acetone	4.028	43	152	Below Cal		92
20) Methylene Chloride	4.810	84	5939	Below Cal	#	87
25) 2-Butanone	7.099	43	399	Below Cal	#	37
31) Cyclohexane	7.875	56	4303	1.094	ug/l #	49
36) 1,1-Dichloropropene	7.869	75	15141	3.942	ug/l #	47
38) Carbon Tetrachloride	7.875	117	19772	5.163	ug/l #	14
65) Chlorobenzene	11.610	112	70	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	66611	53.378	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	66611	108.147	ug/l #	17
88) 1,4-Dichlorobenzene	13.522	146	333	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropr...	14.722	75	57	Below Cal	#	1

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

Quant Time: Dec 13 03:11:26 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# 1069

Delta R.T. 0.006 min

Lab File: VD077845.D

Acq: 12 Dec 2023 16:38

Instrument :

MSVOA_D

ClientSampleId :

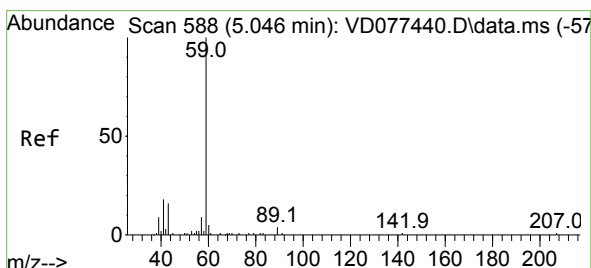
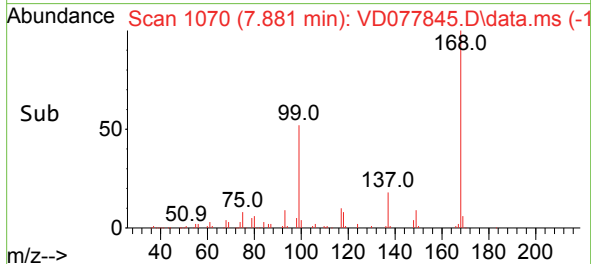
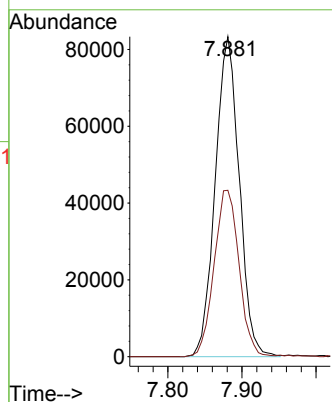
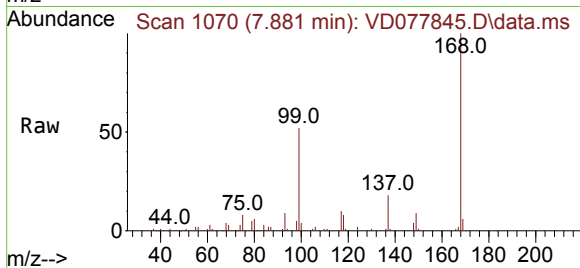
WC-2-VOC

Tgt Ion:168 Resp: 187613

Ion Ratio Lower Upper

168 100

99 52.0 36.7 55.1



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.158 min Scan# 607

Delta R.T. 0.112 min

Lab File: VD077845.D

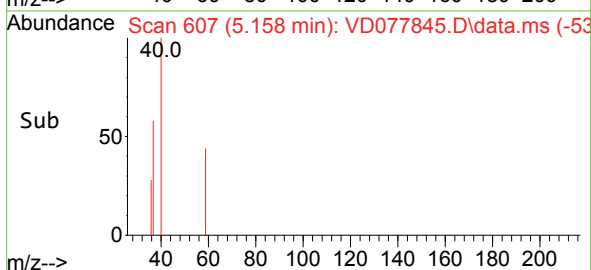
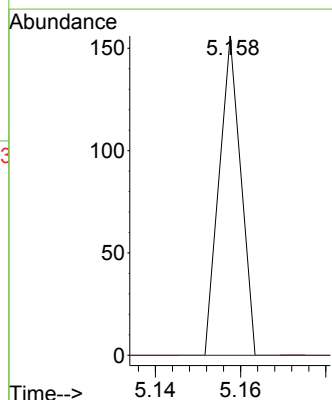
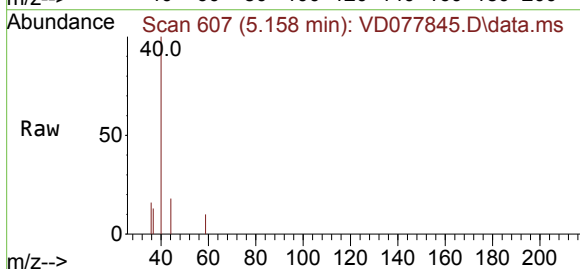
Acq: 12 Dec 2023 16:38

Tgt Ion: 59 Resp: 55

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

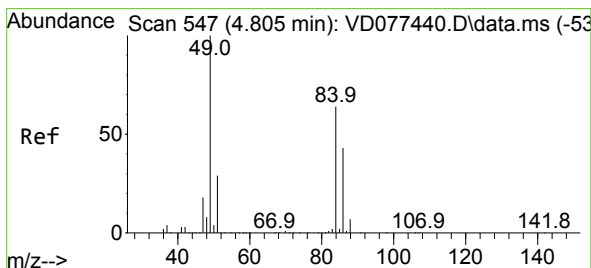
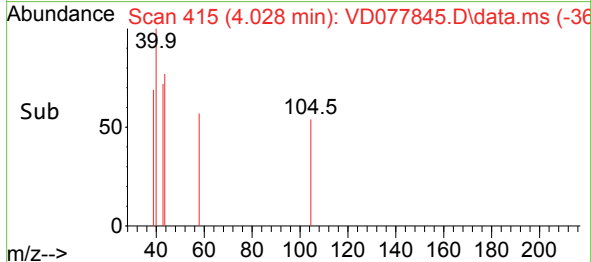
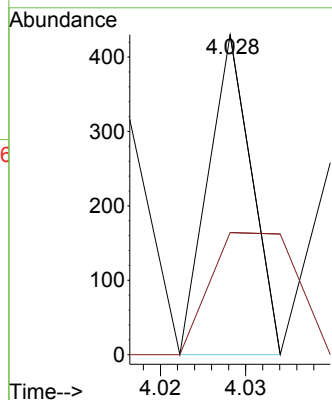
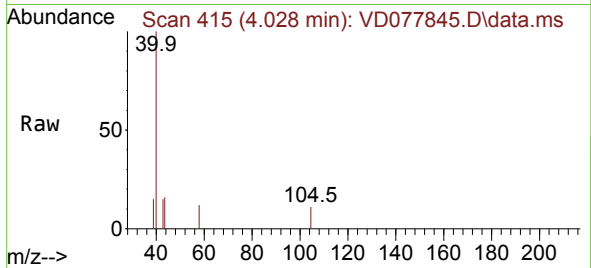




#16
Acetone
Concen: Below Cal
RT: 4.028 min Scan# 41
Delta R.T. 0.006 min
Lab File: VD077845.D
Acq: 12 Dec 2023 16:38

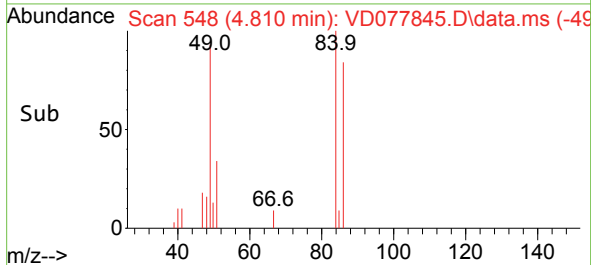
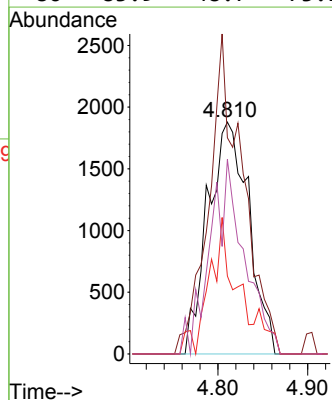
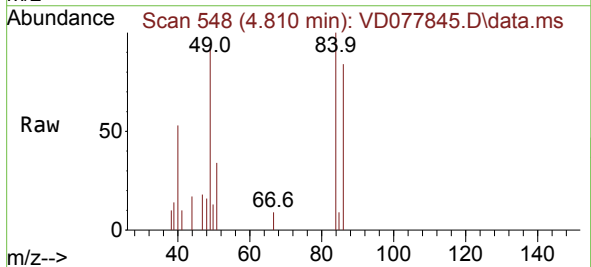
Instrument :
MSVOA_D
ClientSampleId :
WC-2-VOC

Tgt Ion: 43 Resp: 152
Ion Ratio Lower Upper
43 100
58 38.1 34.7 52.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.810 min Scan# 548
Delta R.T. 0.005 min
Lab File: VD077845.D
Acq: 12 Dec 2023 16:38

Tgt Ion: 84 Resp: 5939
Ion Ratio Lower Upper
84 100
49 93.2 71.4 107.2
51 33.6 24.5 36.7
86 83.9 48.7 73.1#

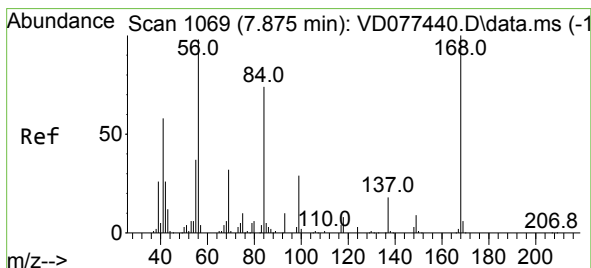
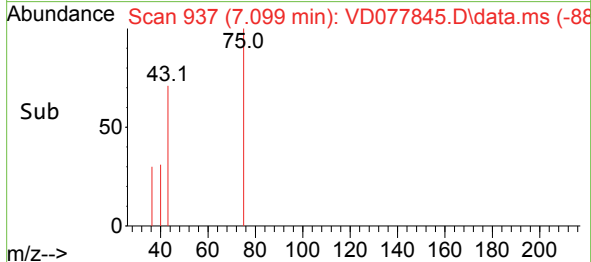
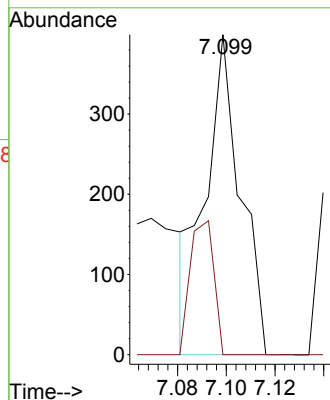
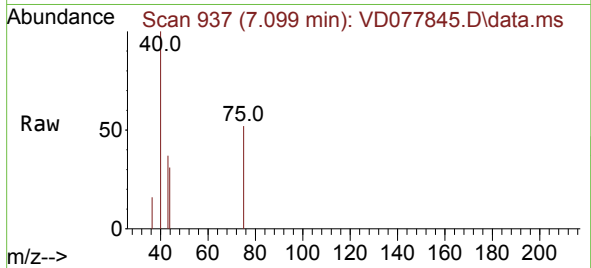




#25
2-Butanone
Concen: Below Cal
RT: 7.099 min Scan# 91
Delta R.T. 0.018 min
Lab File: VD077845.D
Acq: 12 Dec 2023 16:38

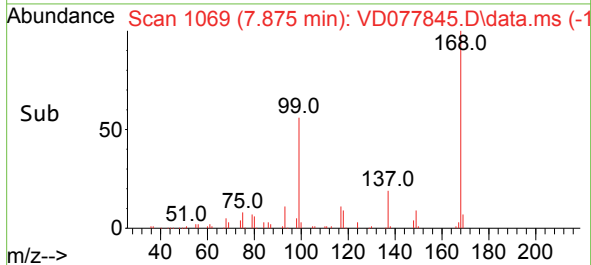
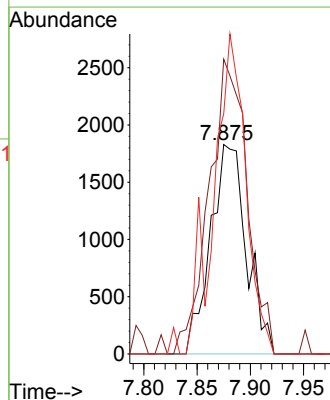
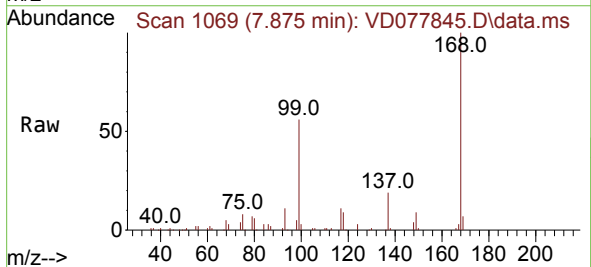
Instrument :
MSVOA_D
ClientSampleId :
WC-2-VOC

Tgt Ion: 43 Resp: 399
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.094 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077845.D
Acq: 12 Dec 2023 16:38

Tgt Ion: 56 Resp: 4303
Ion Ratio Lower Upper
56 100
69 140.7 28.6 43.0#
84 114.6 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 41.493 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD077845.D

Acq: 12 Dec 2023 16:38

Instrument :

MSVOA_D

ClientSampleId :

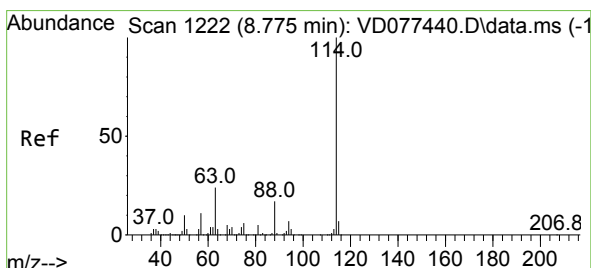
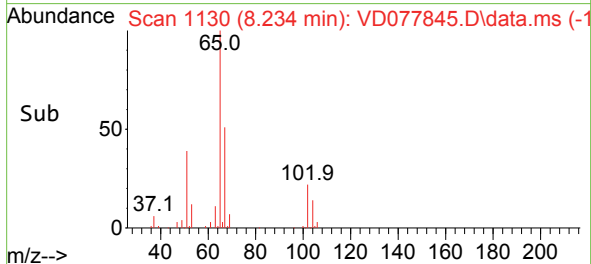
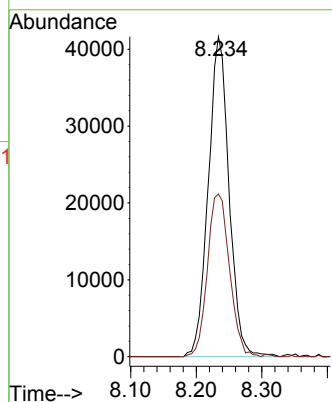
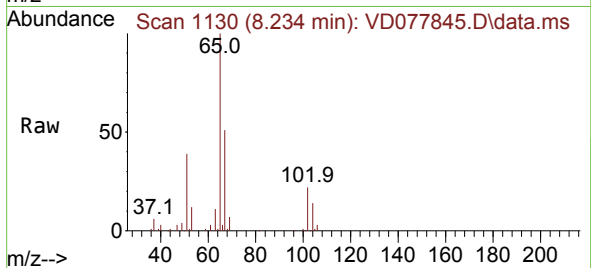
WC-2-VOC

Tgt Ion: 65 Resp: 91730

Ion Ratio Lower Upper

65 100

67 53.9 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: VD077845.D

Acq: 12 Dec 2023 16:38

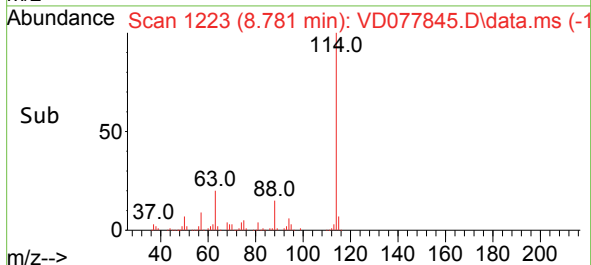
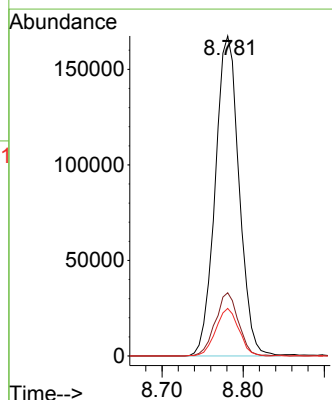
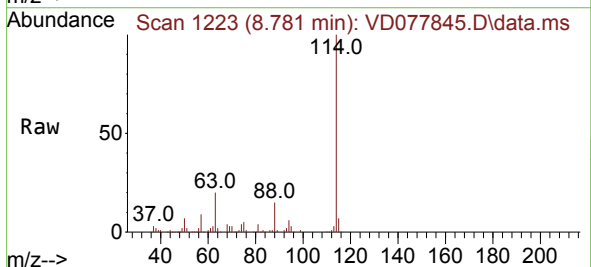
Tgt Ion: 114 Resp: 342840

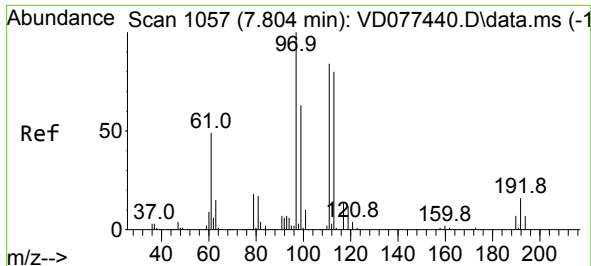
Ion Ratio Lower Upper

114 100

63 19.7 0.0 33.4

88 14.9 0.0 26.2





#35

Dibromofluoromethane

Concen: 42.716 ug/l

RT: 7.810 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VD077845.D

Acq: 12 Dec 2023 16:38

Instrument :

MSVOA_D

ClientSampleId :

WC-2-VOC

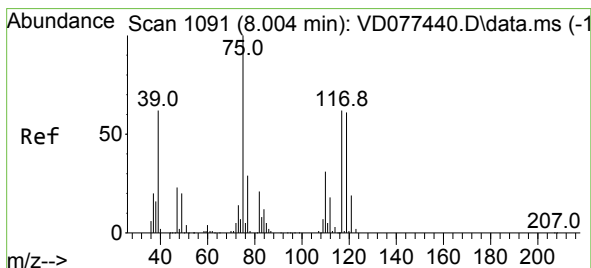
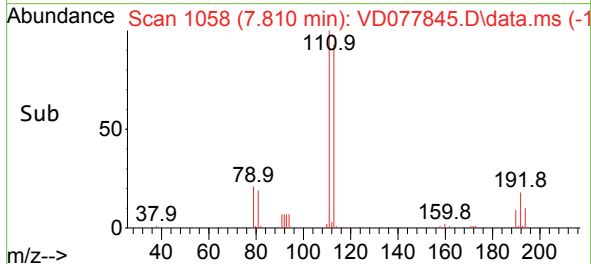
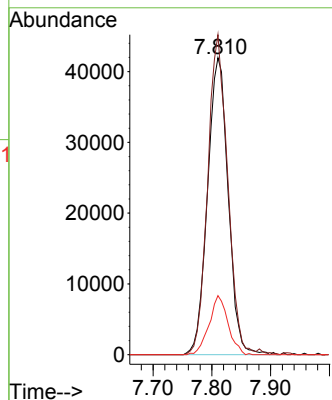
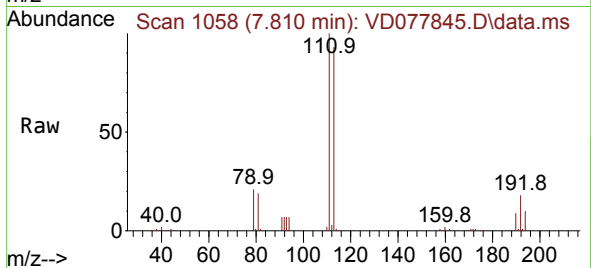
Tgt Ion:113 Resp: 102582

Ion Ratio Lower Upper

113 100

111 103.7 84.7 127.1

192 18.2 16.8 25.2



#36

1,1-Dichloropropene

Concen: 3.942 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.135 min

Lab File: VD077845.D

Acq: 12 Dec 2023 16:38

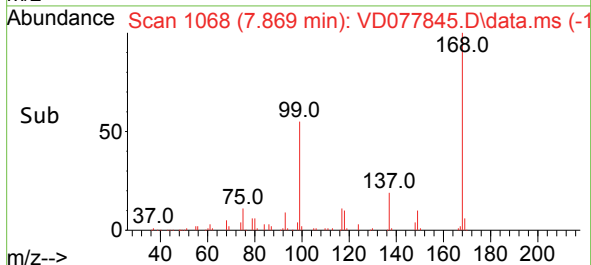
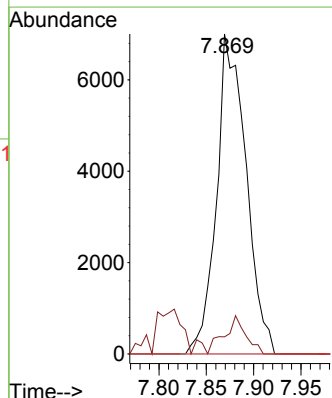
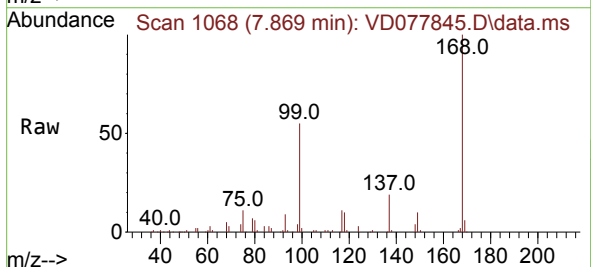
Tgt Ion: 75 Resp: 15141

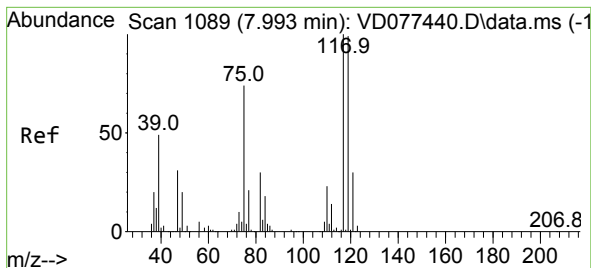
Ion Ratio Lower Upper

75 100

110 8.7 19.9 59.6#

77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.163 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD077845.D

Acq: 12 Dec 2023 16:38

Instrument :

MSVOA_D

ClientSampleId :

WC-2-VOC

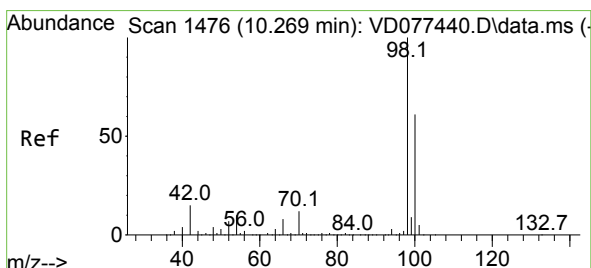
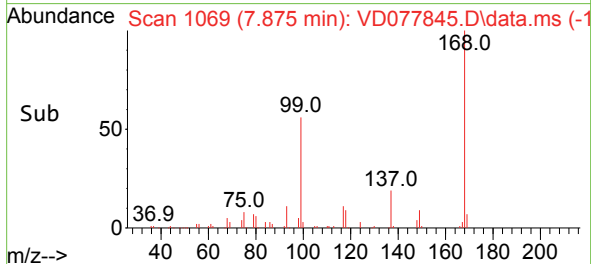
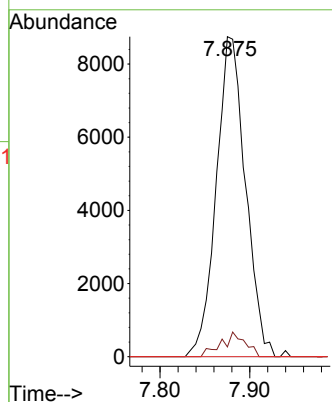
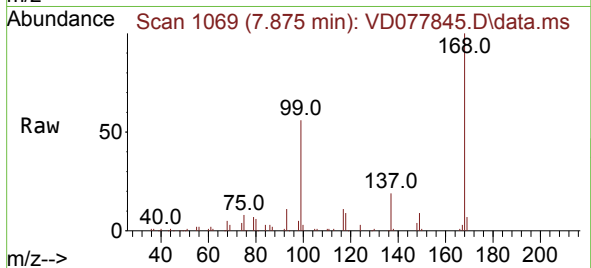
Tgt Ion:117 Resp: 19772

Ion Ratio Lower Upper

117 100

119 3.0 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 45.728 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077845.D

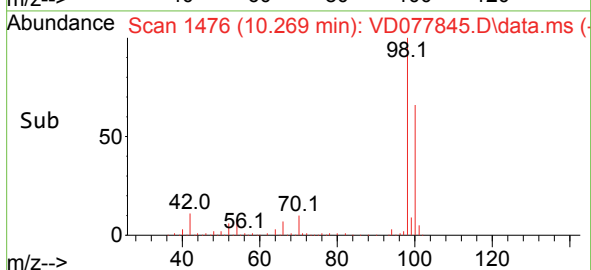
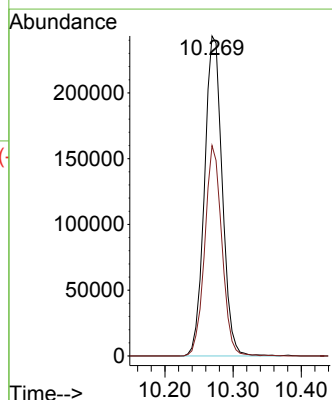
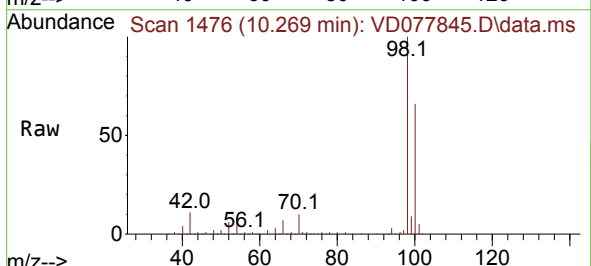
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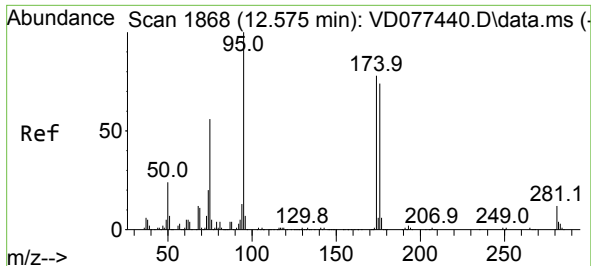
Tgt Ion: 98 Resp: 439820

Ion Ratio Lower Upper

98 100

100 63.4 50.3 75.5

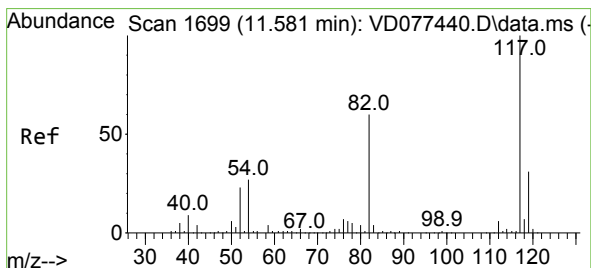
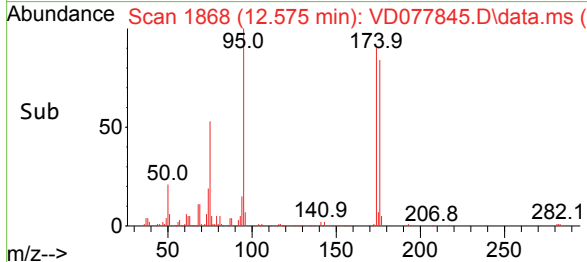
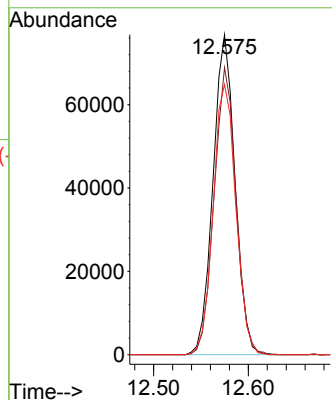
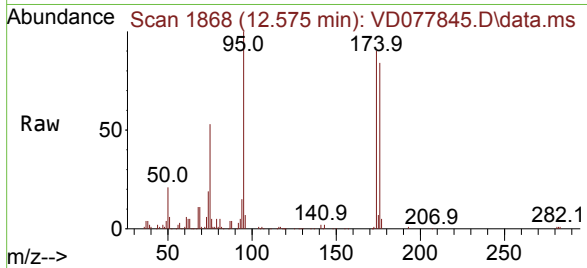




#62
4-Bromofluorobenzene
Concen: 42.954 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077845.D
Acq: 12 Dec 2023 16:38

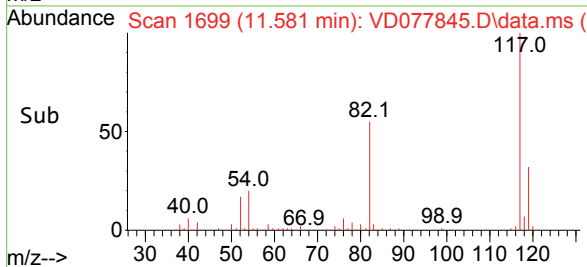
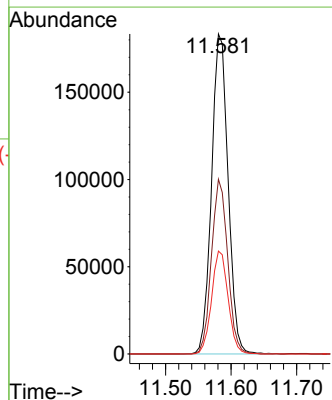
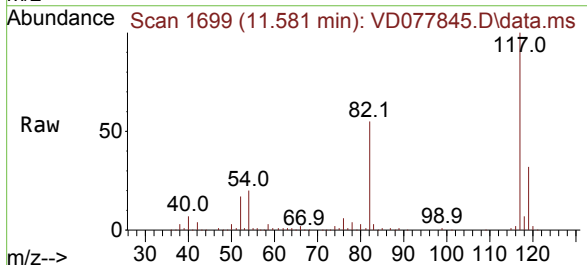
Instrument :
MSVOA_D
ClientSampleId :
WC-2-VOC

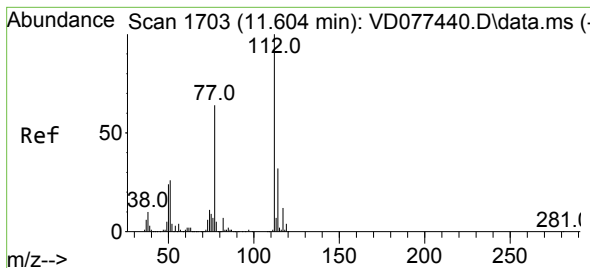
Tgt Ion: 95 Resp: 123520
Ion Ratio Lower Upper
95 100
174 89.7 0.0 201.8
176 87.5 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077845.D
Acq: 12 Dec 2023 16:38

Tgt Ion: 117 Resp: 321325
Ion Ratio Lower Upper
117 100
82 54.6 38.3 57.5
119 32.2 25.0 37.4





#65

Chlorobenzene

Concen: Below Cal

RT: 11.610 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD077845.D

Acq: 12 Dec 2023 16:38

Instrument :

MSVOA_D

ClientSampleId :

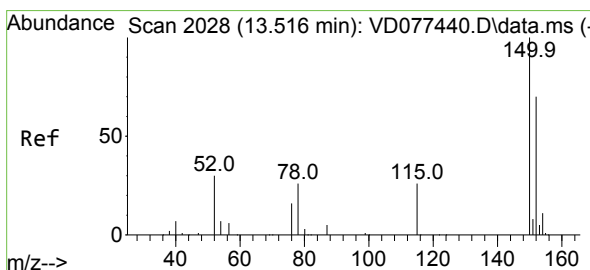
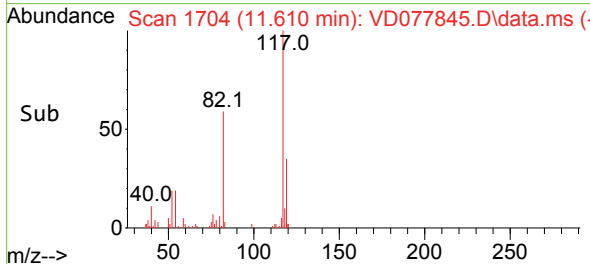
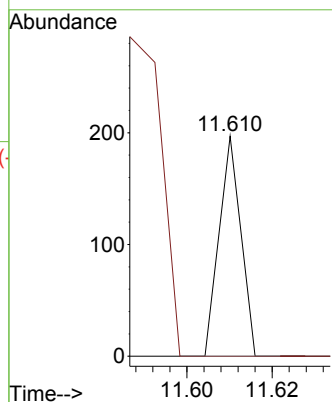
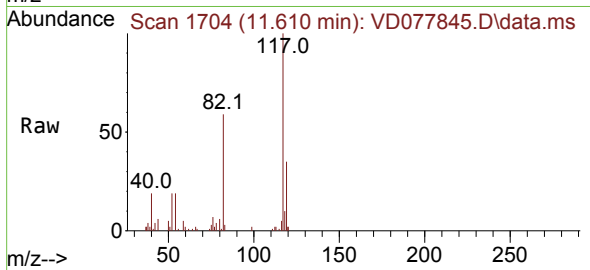
WC-2-VOC

Tgt Ion:112 Resp: 70

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: VD077845.D

Acq: 12 Dec 2023 16:38

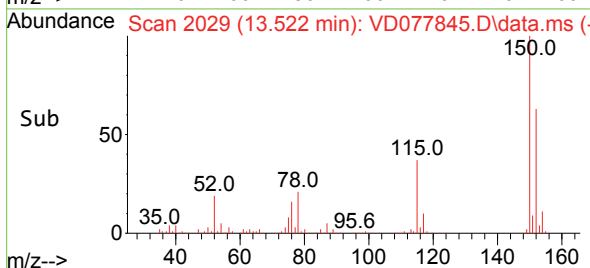
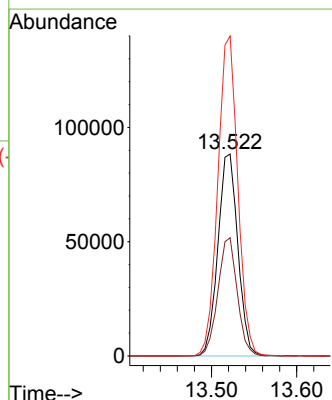
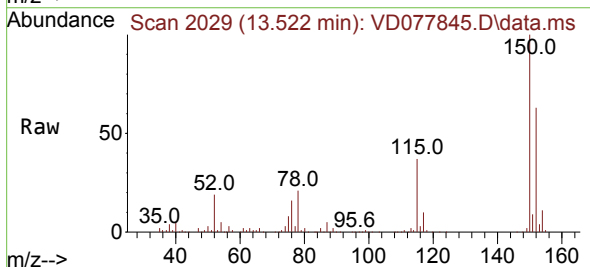
Tgt Ion:152 Resp: 143685

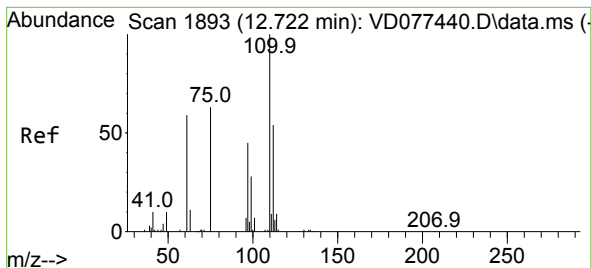
Ion Ratio Lower Upper

152 100

115 56.8 27.1 81.3

150 158.8 0.0 353.6





#76

1,2,3-Trichloropropane

Concen: 53.378 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD077845.D

Acq: 12 Dec 2023 16:38

Instrument :

MSVOA_D

ClientSampleId :

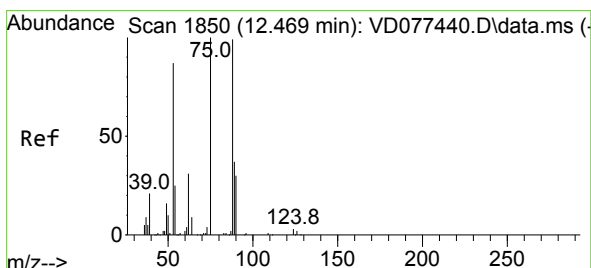
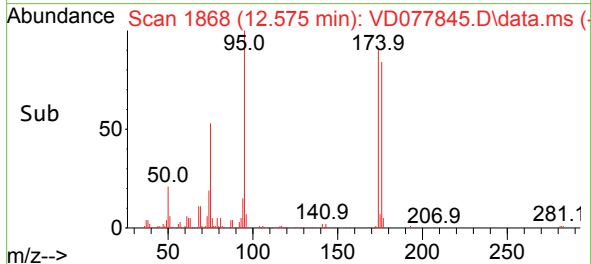
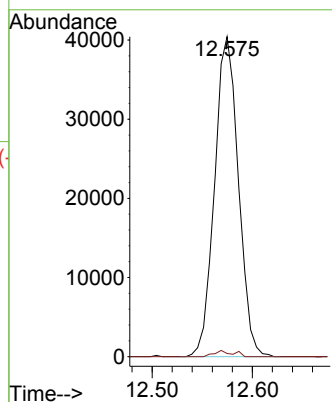
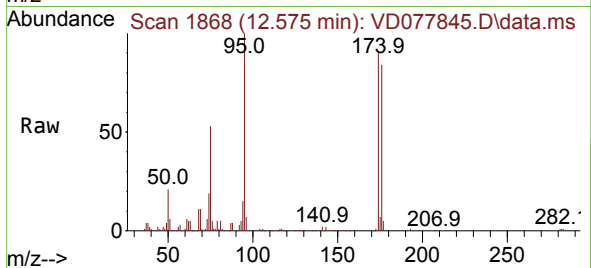
WC-2-VOC

Tgt Ion: 75 Resp: 66611

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 108.147 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.106 min

Lab File: VD077845.D

Acq: 12 Dec 2023 16:38

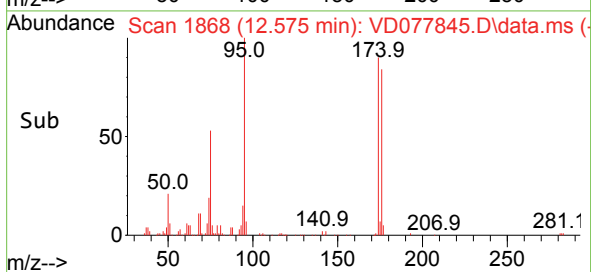
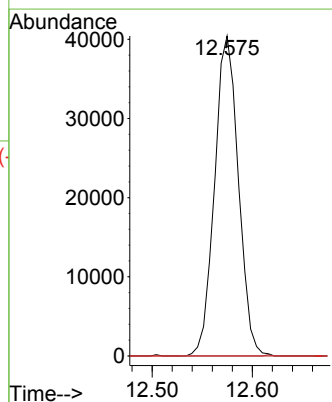
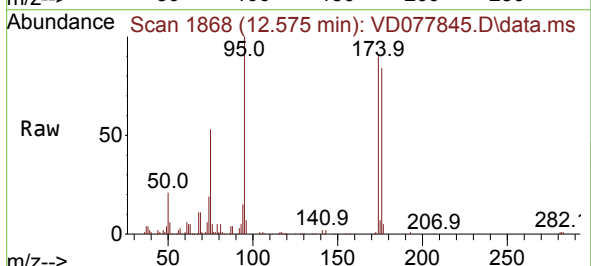
Tgt Ion: 75 Resp: 66611

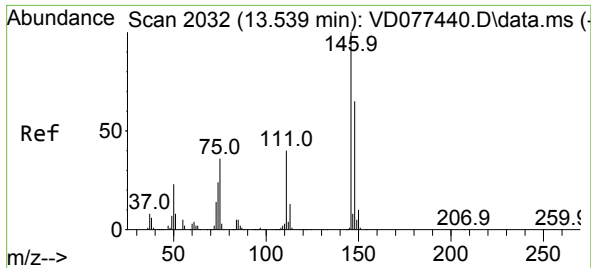
Ion Ratio Lower Upper

75 100

53 0.0 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: VD077845.D

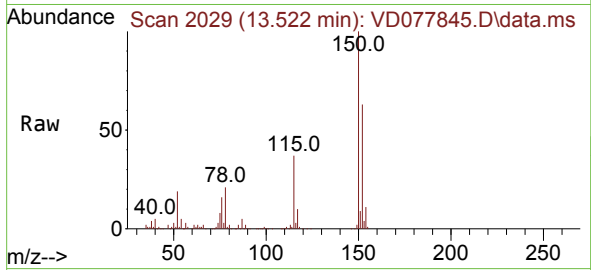
Acq: 12 Dec 2023 16:38

Instrument :

MSVOA_D

ClientSampleId :

WC-2-VOC



Tgt Ion:	146	Resp:	333
Ion	Ratio	Lower	Upper
146	100		
111	653.8	17.4	52.3#
148	265.8	31.7	95.1#

