

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030424\
 Data File : VD078588.D
 Acq On : 04 Mar 2024 15:45
 Operator : RP/MD
 Sample : P1672-03
 Misc : 5.95G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1-VOC

Quant Time: Mar 05 04:14:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D030124S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 02 03:50:17 2024
 Response via : Initial Calibration

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

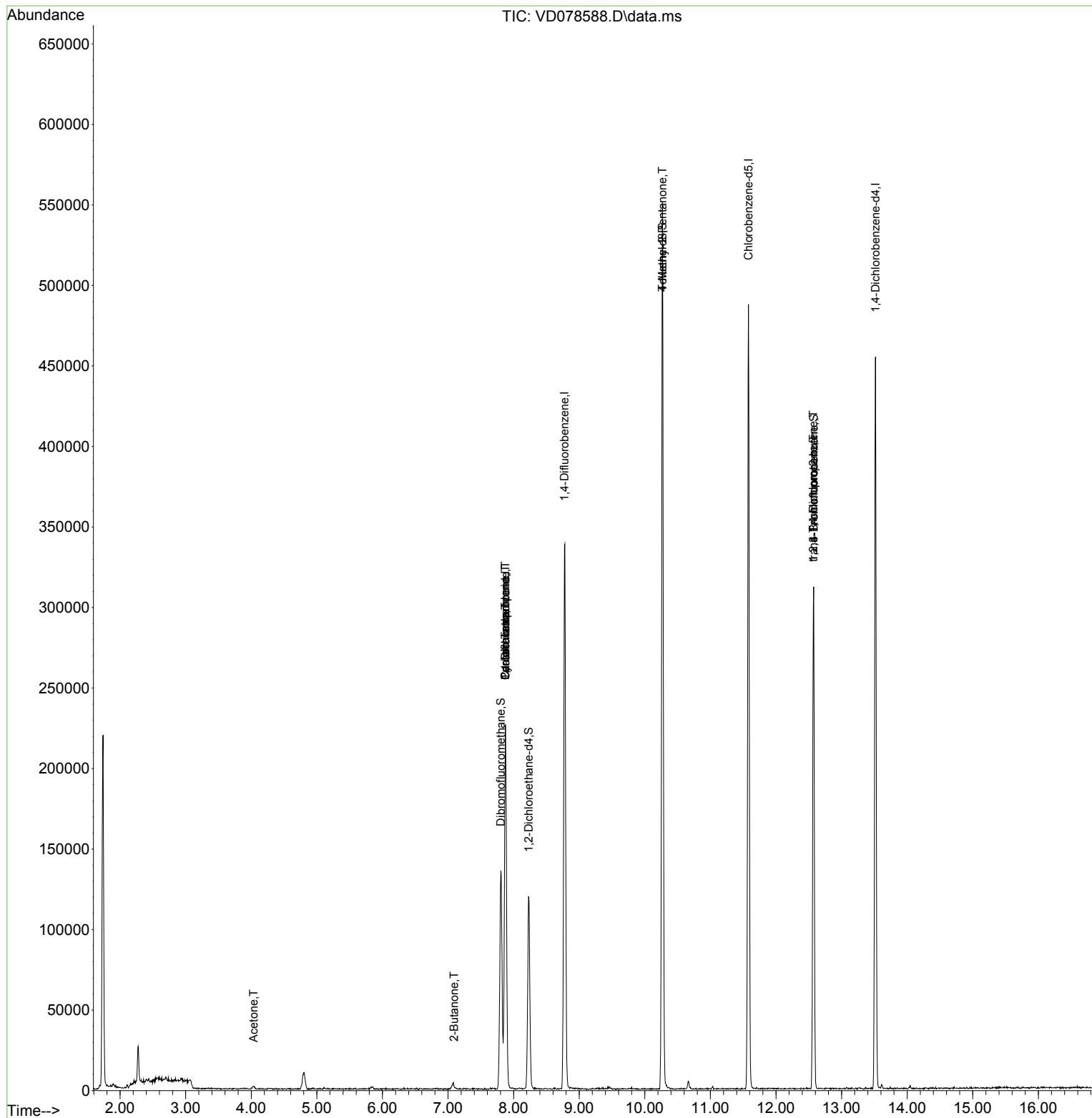
Internal Standards						
1) Pentafluorobenzene	7.875	168	172275	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	317567	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	288710	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	122456	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	89686	52.517	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.040%	
35) Dibromofluoromethane	7.805	113	97588	47.241	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 94.480%	
50) Toluene-d8	10.269	98	375215	46.743	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 93.480%	
62) 4-Bromofluorobenzene	12.575	95	96265	41.988	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 83.980%	
Target Compounds						Qvalue
3) Chloromethane	2.158	50	208	Below Cal	#	31
11) Tert butyl alcohol	5.040	59	116	Below Cal	#	73
16) Acetone	4.034	43	2593	7.925	ug/l #	84
20) Methylene Chloride	4.799	84	8434	Below Cal	#	88
25) 2-Butanone	7.093	43	456	1.105	ug/l #	37
31) Cyclohexane	7.875	56	3599	1.346	ug/l #	22
36) 1,1-Dichloropropene	7.875	75	14233	4.979	ug/l #	48
38) Carbon Tetrachloride	7.875	117	17912	5.991	ug/l #	16
51) 4-Methyl-2-Pentanone	10.269	43	1342	1.464	ug/l #	1
76) 1,2,3-Trichloropropane	12.569	75	50703	54.213	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	50703	116.040	ug/l #	17

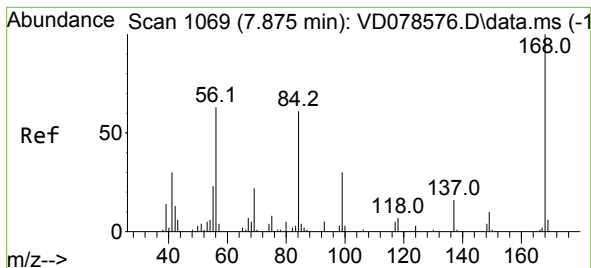
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030424\
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TP-1-VOC

Quant Time: Mar 05 04:14:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D030124S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 02 03:50:17 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD078588.D

Acq: 04 Mar 2024 15:45

Instrument :

MSVOA_D

ClientSampleId :

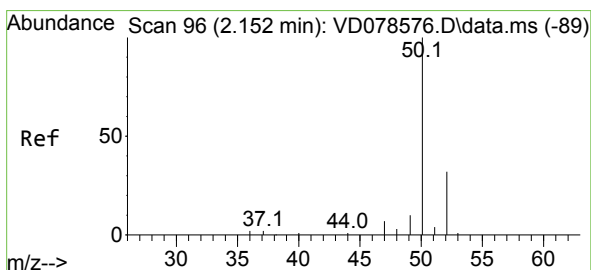
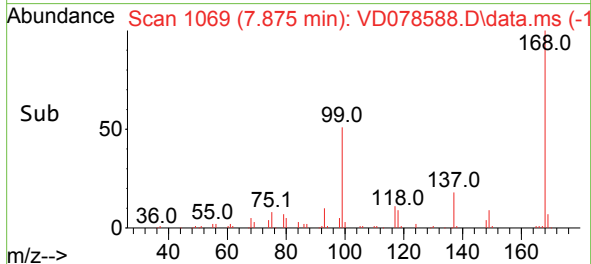
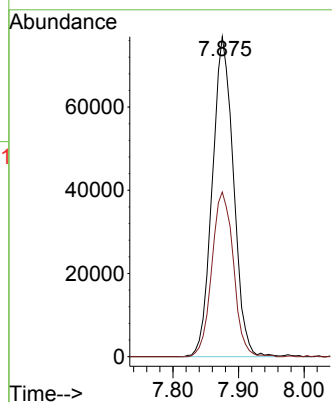
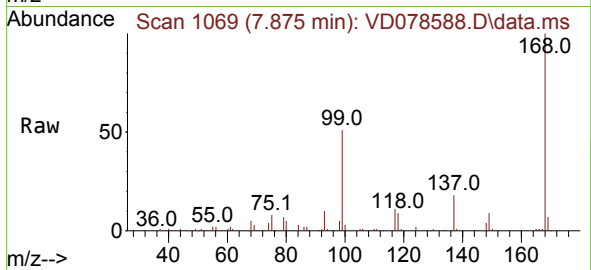
TP-1-VOC

Tgt Ion:168 Resp: 172275

Ion Ratio Lower Upper

168 100

99 51.5 36.7 55.1



#3

Chloromethane

Concen: Below Cal

RT: 2.158 min Scan# 97

Delta R.T. 0.006 min

Lab File: VD078588.D

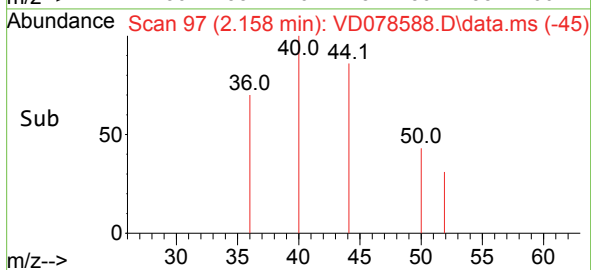
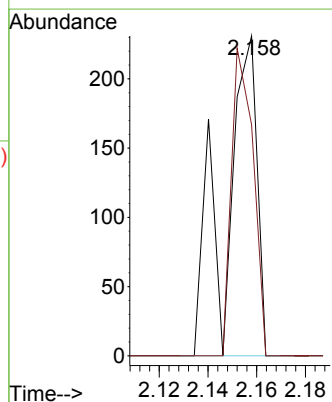
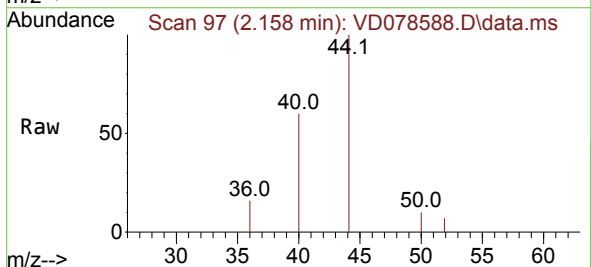
Acq: 04 Mar 2024 15:45

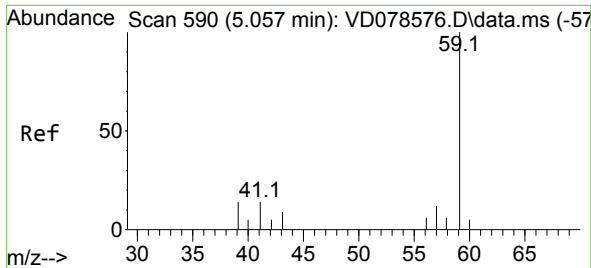
Tgt Ion: 50 Resp: 208

Ion Ratio Lower Upper

50 100

52 72.3 26.6 40.0#

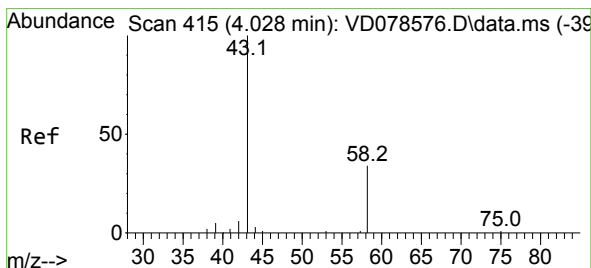
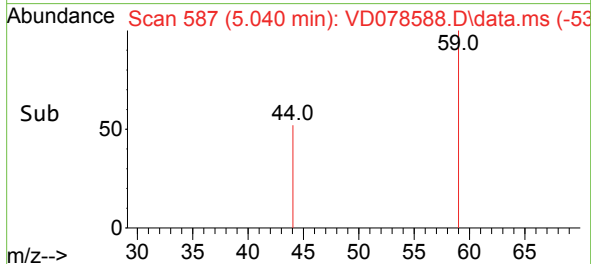
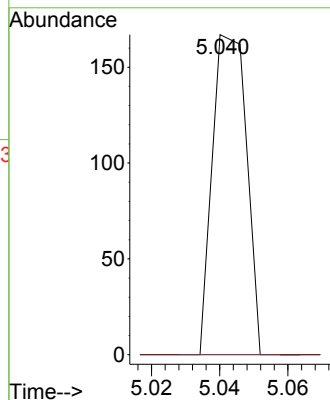
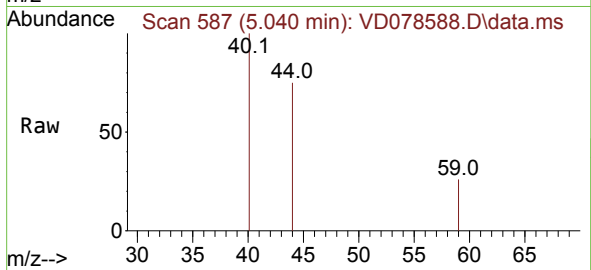




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.040 min Scan# 51
Delta R.T. -0.017 min
Lab File: VD078588.D
Acq: 04 Mar 2024 15:45

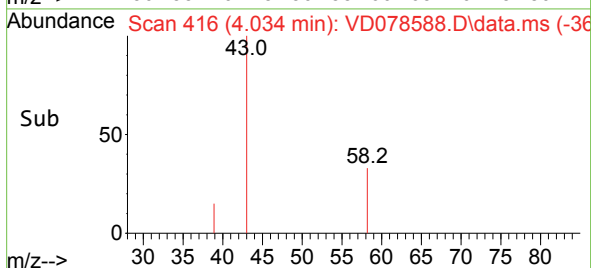
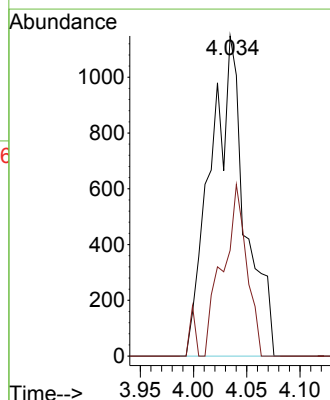
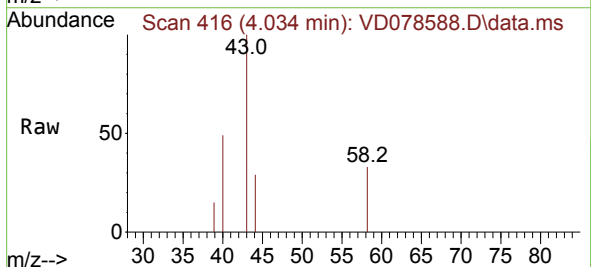
Instrument :
MSVOA_D
ClientSampleId :
TP-1-VOC

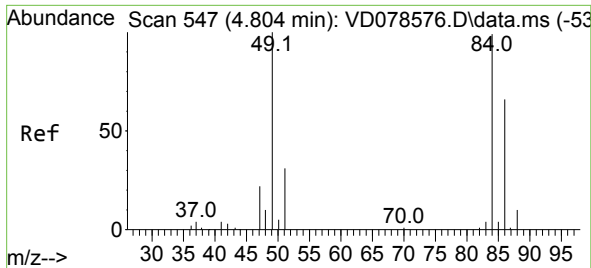
Tgt Ion: 59 Resp: 116
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 7.925 ug/l
RT: 4.034 min Scan# 416
Delta R.T. 0.006 min
Lab File: VD078588.D
Acq: 04 Mar 2024 15:45

Tgt Ion: 43 Resp: 2593
Ion Ratio Lower Upper
43 100
58 33.0 34.7 52.1#

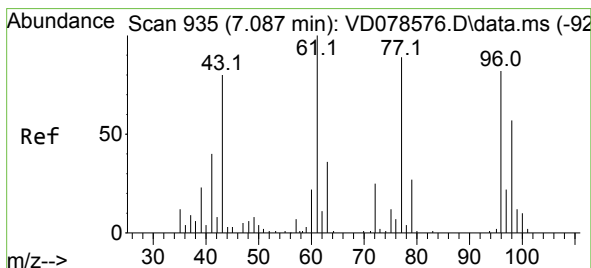
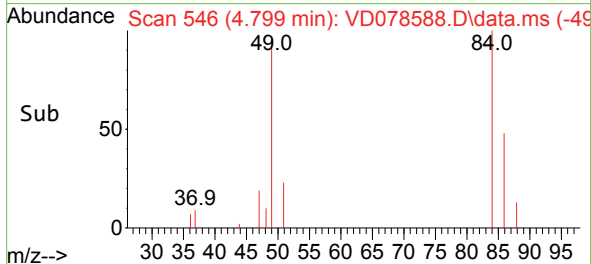
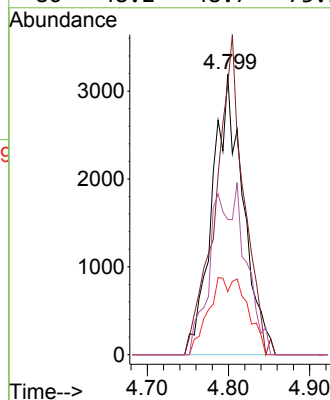
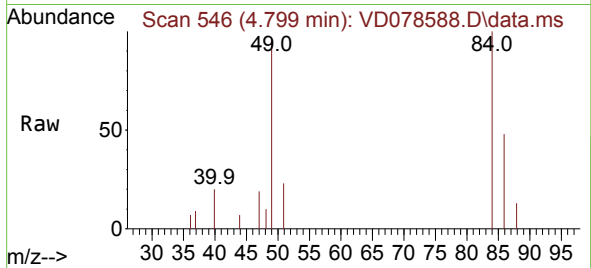




#20
Methylene Chloride
Concen: Below Cal
RT: 4.799 min Scan# 547
Delta R.T. -0.005 min
Lab File: VD078588.D
Acq: 04 Mar 2024 15:45

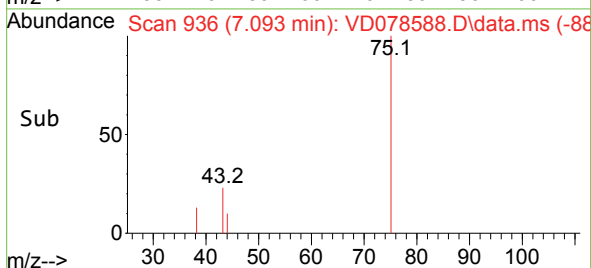
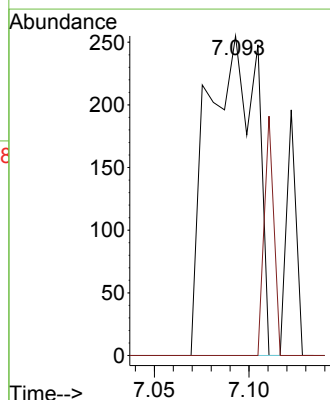
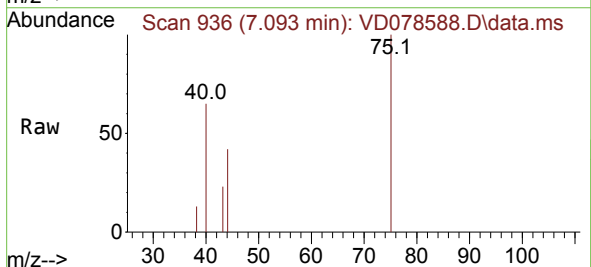
Instrument :
MSVOA_D
ClientSampleId :
TP-1-VOC

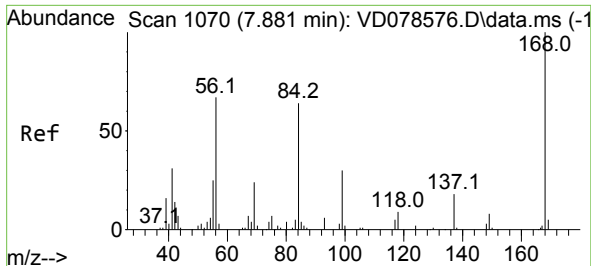
Tgt Ion: 84 Resp: 8434
Ion Ratio Lower Upper
84 100
49 95.8 71.4 107.2
51 22.5 24.5 36.7#
86 48.2 48.7 73.1#



#25
2-Butanone
Concen: 1.105 ug/l
RT: 7.093 min Scan# 936
Delta R.T. 0.006 min
Lab File: VD078588.D
Acq: 04 Mar 2024 15:45

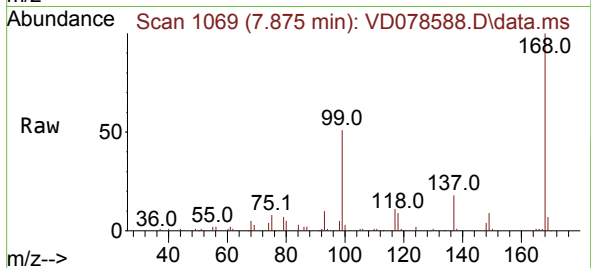
Tgt Ion: 43 Resp: 456
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



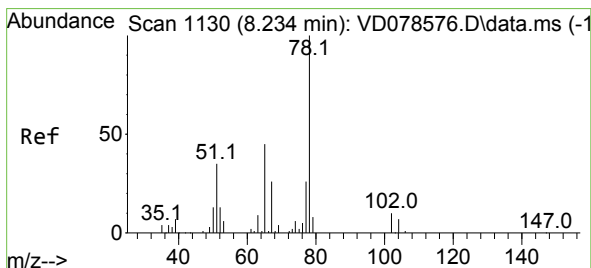
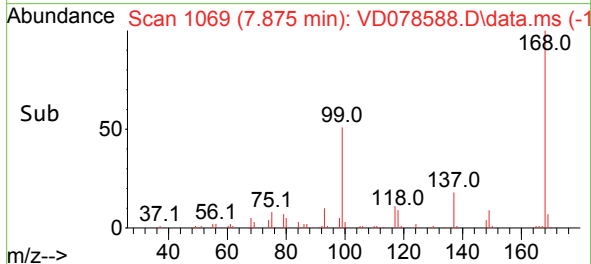
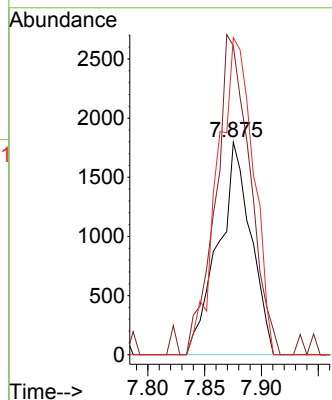


#31
Cyclohexane
Concen: 1.346 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.005 min
Lab File: VD078588.D
Acq: 04 Mar 2024 15:45

Instrument :
MSVOA_D
ClientSampleId :
TP-1-VOC

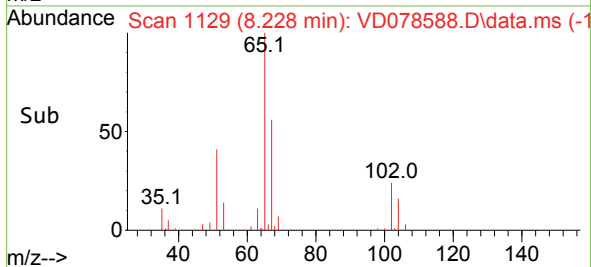
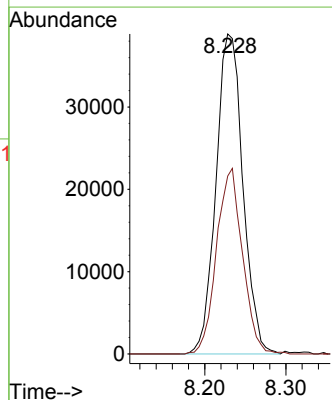
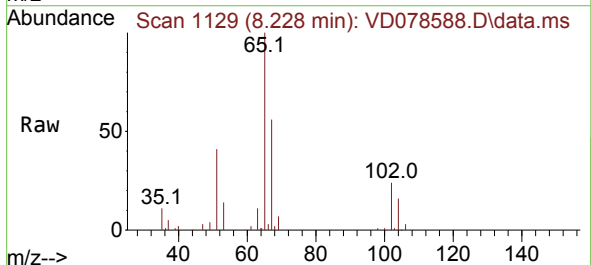


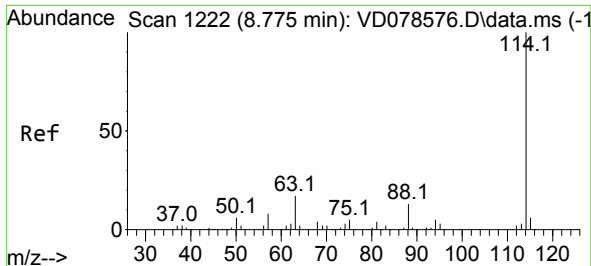
Tgt Ion: 56 Resp: 3599
Ion Ratio Lower Upper
56 100
69 145.3 28.6 43.0#
84 149.1 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 52.517 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.005 min
Lab File: VD078588.D
Acq: 04 Mar 2024 15:45

Tgt Ion: 65 Resp: 89686
Ion Ratio Lower Upper
65 100
67 56.0 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD078588.D

Acq: 04 Mar 2024 15:45

Instrument :

MSVOA_D

ClientSampleId :

TP-1-VOC

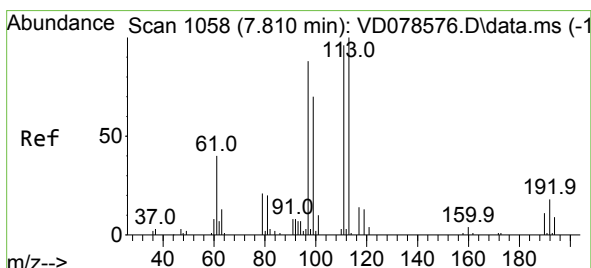
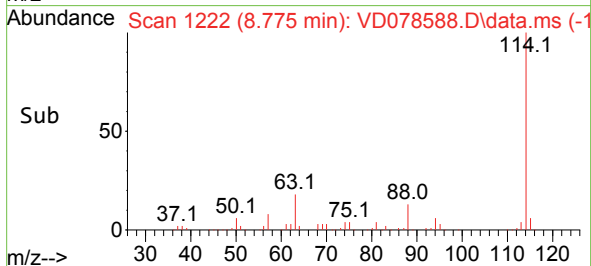
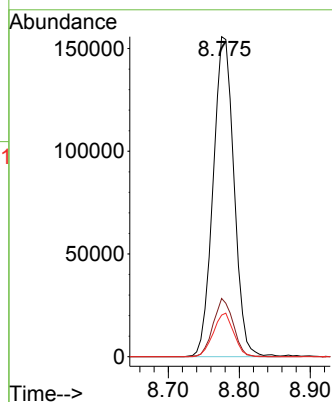
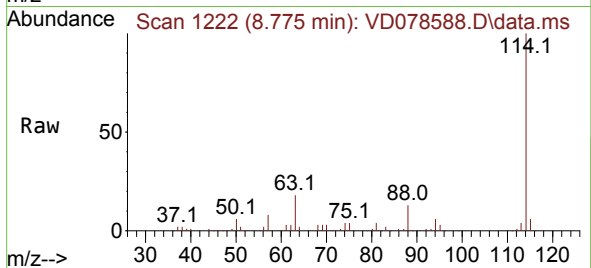
Tgt Ion:114 Resp: 317567

Ion Ratio Lower Upper

114 100

63 18.2 0.0 33.4

88 13.0 0.0 26.2



#35

Dibromofluoromethane

Concen: 47.241 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.005 min

Lab File: VD078588.D

Acq: 04 Mar 2024 15:45

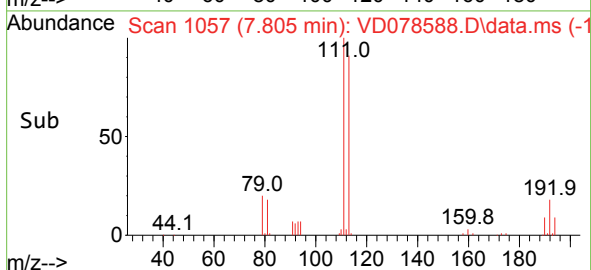
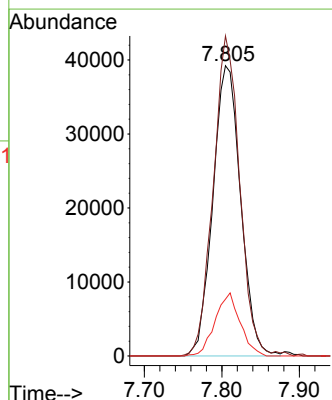
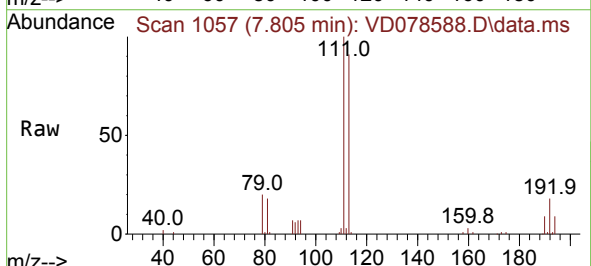
Tgt Ion:113 Resp: 97588

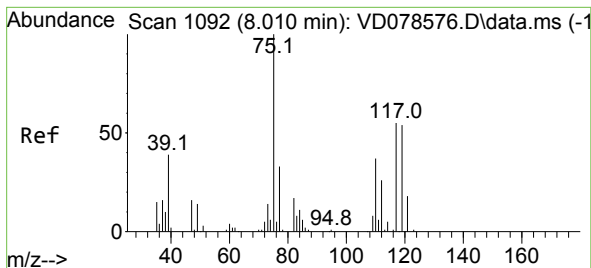
Ion Ratio Lower Upper

113 100

111 104.8 84.7 127.1

192 19.7 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.979 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD078588.D

Acq: 04 Mar 2024 15:45

Instrument :

MSVOA_D

ClientSampleId :

TP-1-VOC

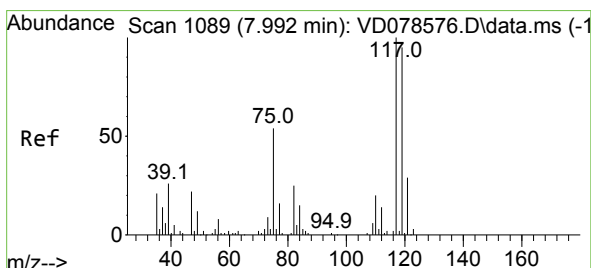
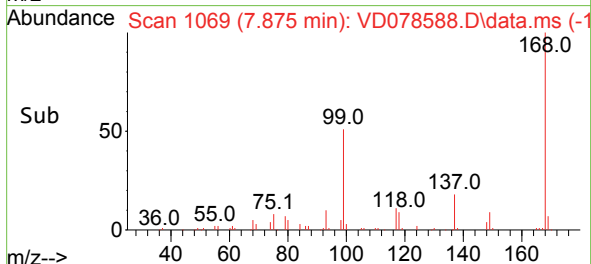
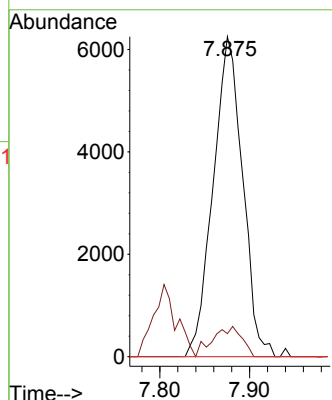
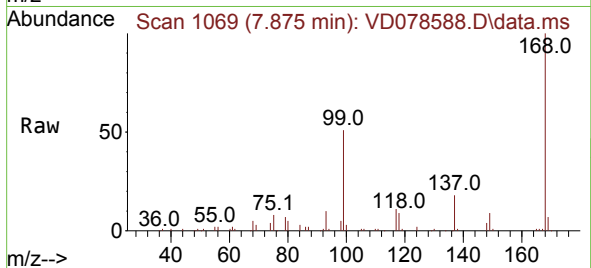
Tgt Ion: 75 Resp: 14233

Ion Ratio Lower Upper

75 100

110 9.3 19.9 59.6#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.991 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.117 min

Lab File: VD078588.D

Acq: 04 Mar 2024 15:45

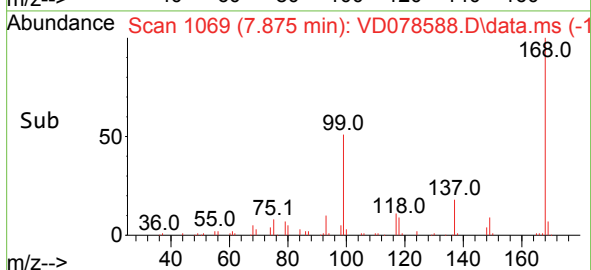
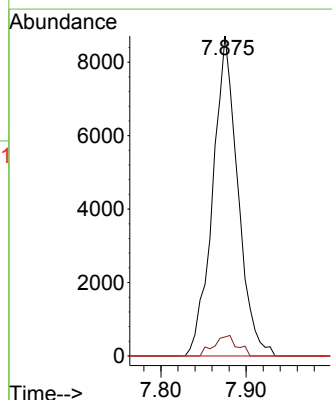
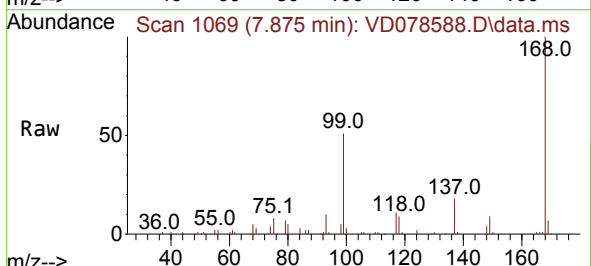
Tgt Ion: 117 Resp: 17912

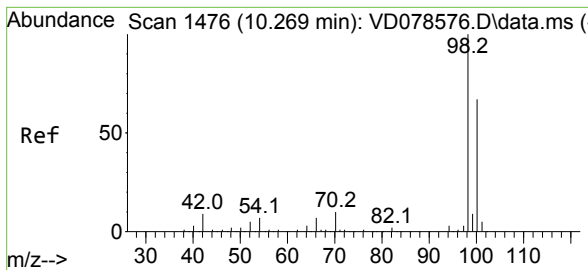
Ion Ratio Lower Upper

117 100

119 5.9 78.0 117.0#

121 0.0 24.2 36.2#

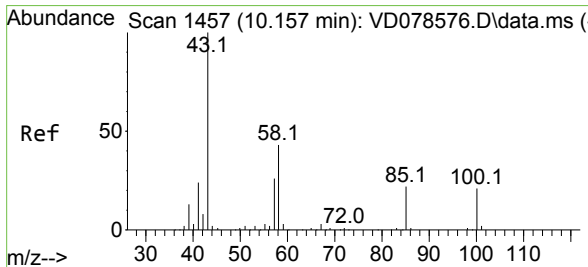
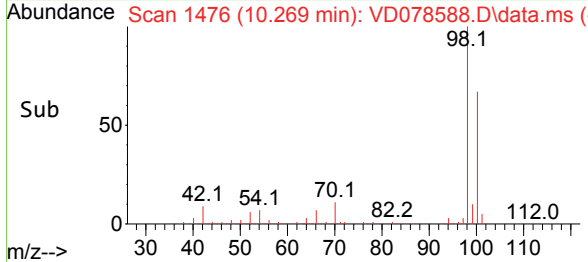
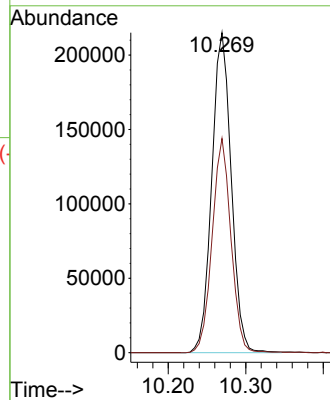
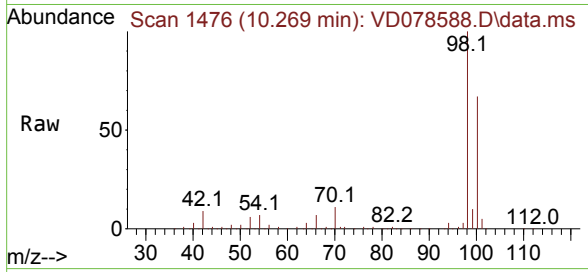




#50
Toluene-d8
Concen: 46.743 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078588.D
Acq: 04 Mar 2024 15:45

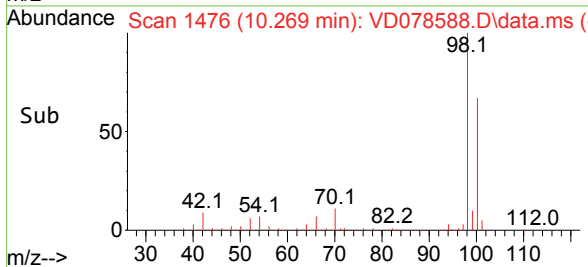
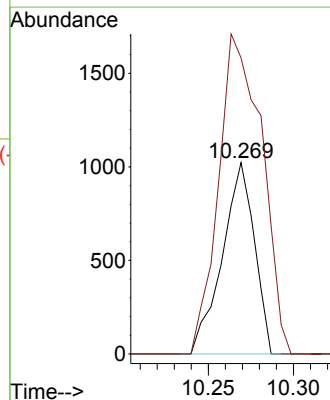
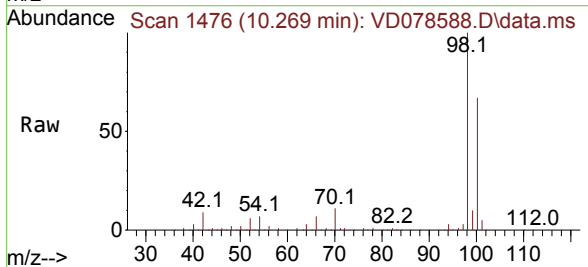
Instrument :
MSVOA_D
ClientSampleId :
TP-1-VOC

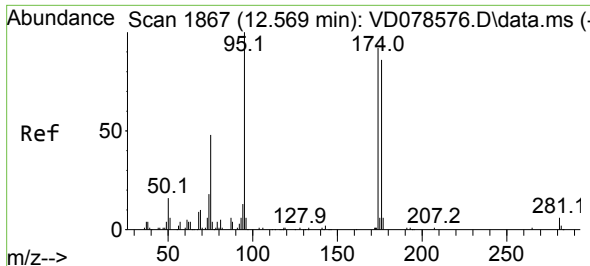
Tgt Ion: 98 Resp: 375215
Ion Ratio Lower Upper
98 100
100 64.5 50.3 75.5



#51
4-Methyl-2-Pentanone
Concen: 1.464 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.112 min
Lab File: VD078588.D
Acq: 04 Mar 2024 15:45

Tgt Ion: 43 Resp: 1342
Ion Ratio Lower Upper
43 100
58 224.9 38.9 58.3#

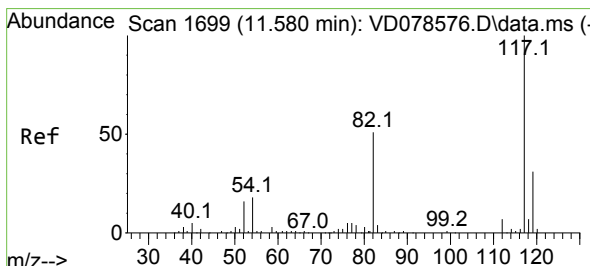
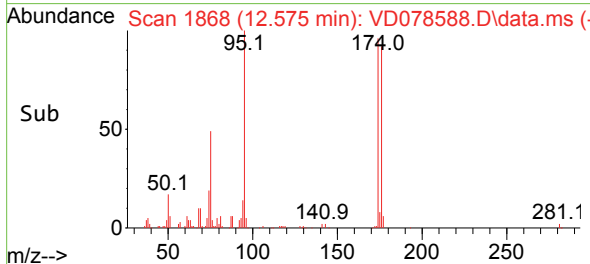
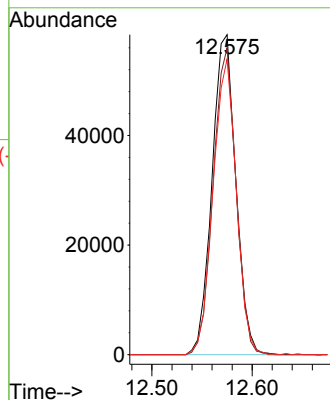
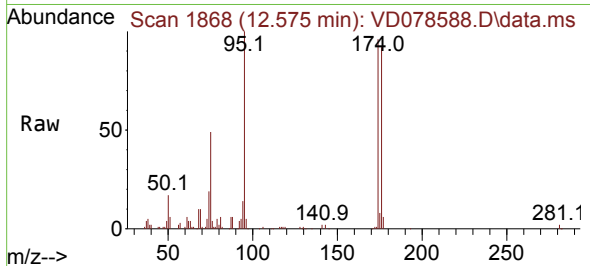




#62
4-Bromofluorobenzene
Concen: 41.988 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD078588.D
Acq: 04 Mar 2024 15:45

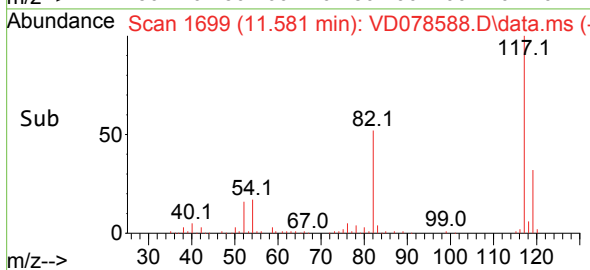
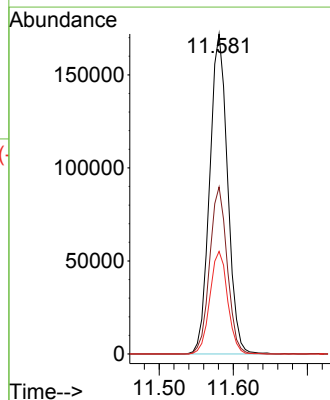
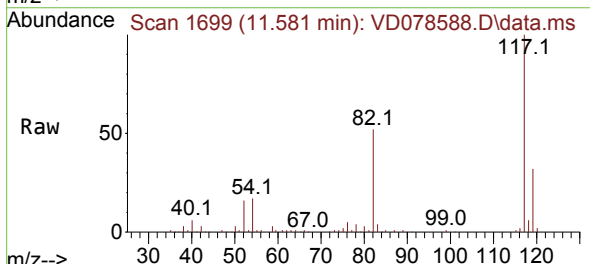
Instrument :
MSVOA_D
ClientSampleId :
TP-1-VOC

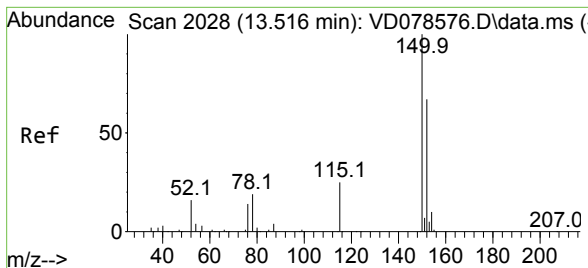
Tgt Ion: 95 Resp: 96265
Ion Ratio Lower Upper
95 100
174 92.3 0.0 201.8
176 90.2 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD078588.D
Acq: 04 Mar 2024 15:45

Tgt Ion: 117 Resp: 288710
Ion Ratio Lower Upper
117 100
82 52.2 38.3 57.5
119 32.1 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: VD078588.D

Acq: 04 Mar 2024 15:45

Instrument :

MSVOA_D

ClientSampleId :

TP-1-VOC

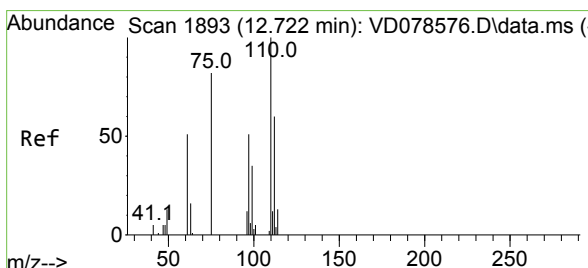
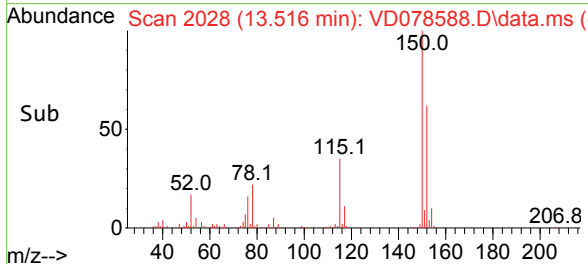
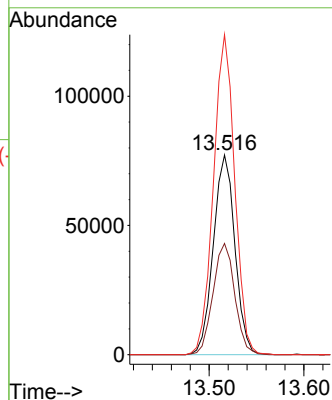
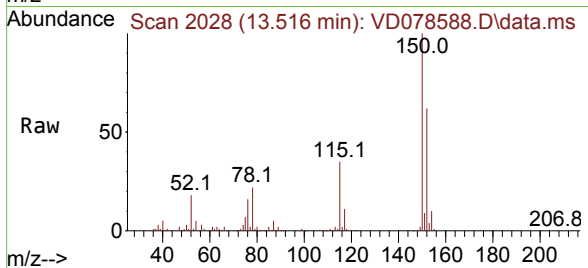
Tgt Ion:152 Resp: 122456

Ion Ratio Lower Upper

152 100

115 56.1 27.1 81.3

150 157.4 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 54.213 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.152 min

Lab File: VD078588.D

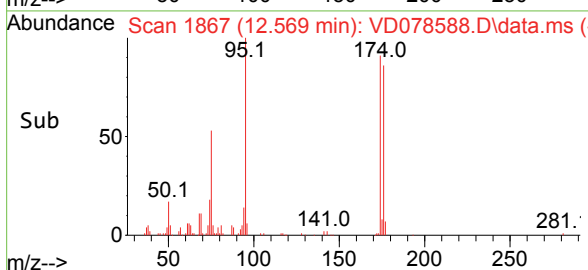
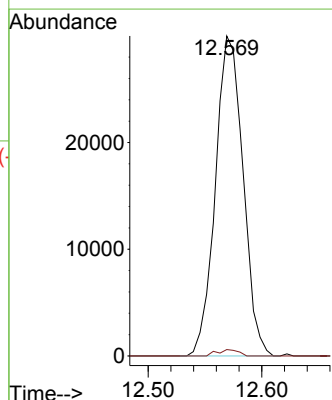
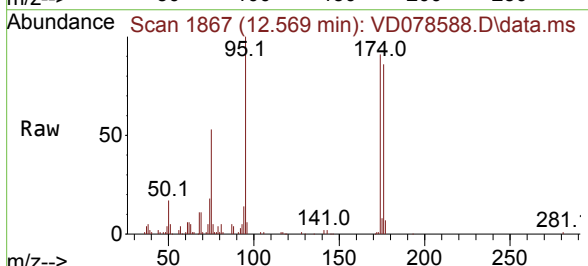
Acq: 04 Mar 2024 15:45

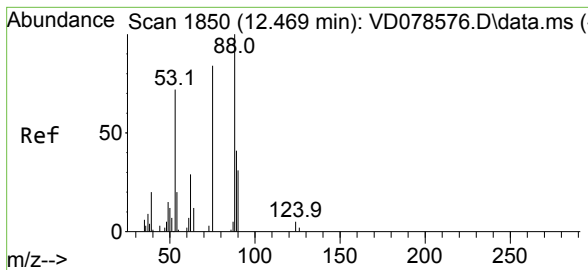
Tgt Ion: 75 Resp: 50703

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 116.040 ug/l
 RT: 12.569 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD078588.D
 Acq: 04 Mar 2024 15:45

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1-VOC

Tgt Ion: 75 Resp: 50703
 Ion Ratio Lower Upper
 75 100
 53 0.0 63.0 94.4#
 89 0.0 37.9 56.9#

