

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120823\
 Data File : VD077799.D
 Acq On : 08 Dec 2023 18:58
 Operator : JC/SY
 Sample : 05671-03
 Misc : 4.73G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-34-VOC

Quant Time: Dec 08 23:14:19 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)

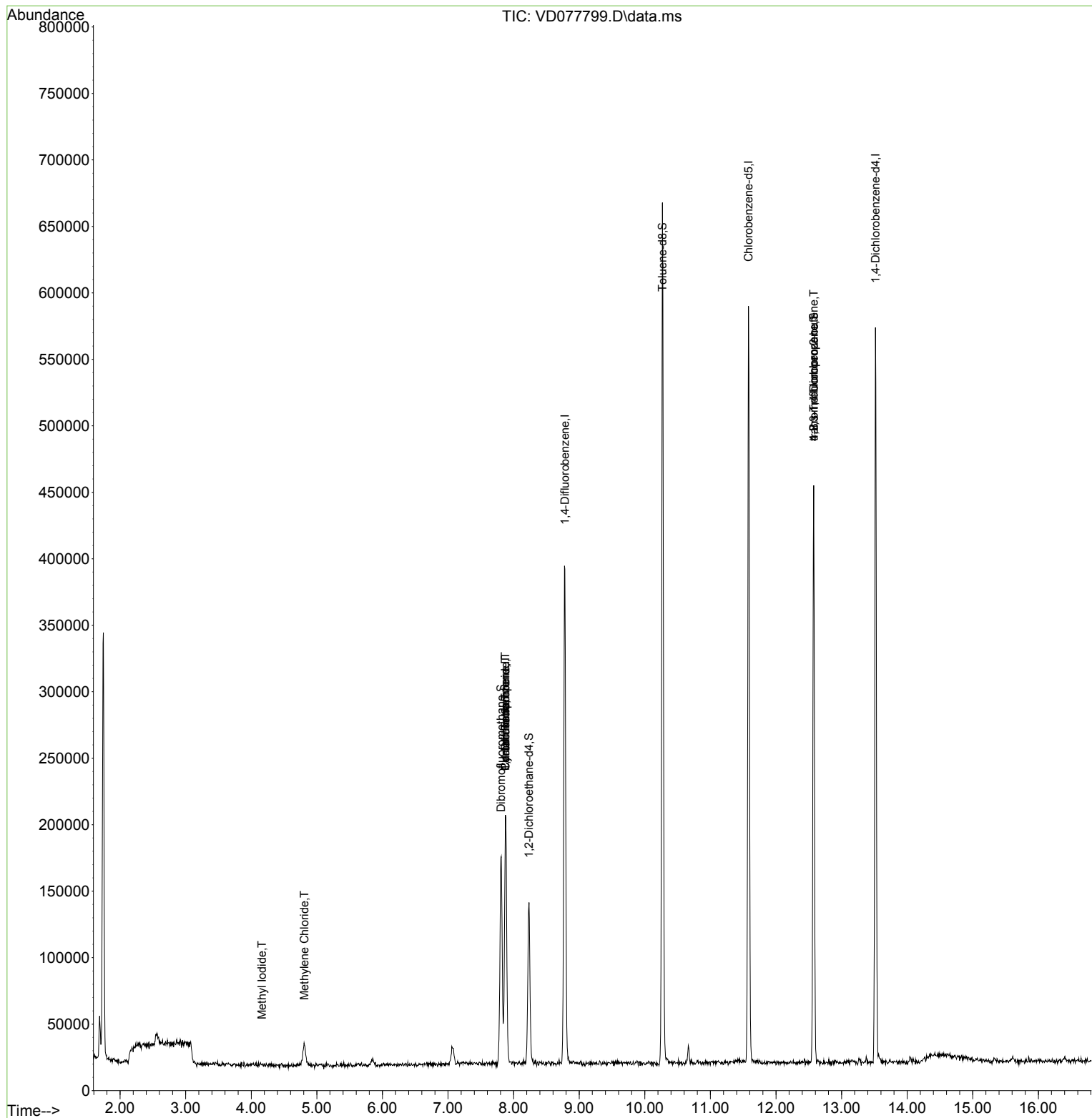
Internal Standards						
1) Pentafluorobenzene	7.875	168	145998	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	339600	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	322739	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	149038	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	93603	54.408	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.820%			
35) Dibromofluoromethane	7.810	113	111780	46.991	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.980%			
50) Toluene-d8	10.269	98	437441	45.914	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 91.820%			
62) 4-Bromofluorobenzene	12.575	95	126249	44.322	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 88.640%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.164	142	94	6.794	ug/l #	46
11) Tert butyl alcohol	5.028	59	191	Below Cal	#	73
16) Acetone	4.028	43	1340	Below Cal	#	86
20) Methylene Chloride	4.811	84	11849	1.076	ug/l #	81
25) 2-Butanone	7.058	43	355	Below Cal	#	37
31) Cyclohexane	7.875	56	3478	1.137	ug/l #	74
36) 1,1-Dichloropropene	7.875	75	11844	3.113	ug/l #	41
38) Carbon Tetrachloride	7.875	117	13798	3.637	ug/l #	18
65) Chlorobenzene	11.610	112	1293	Below Cal		90
76) 1,2,3-Trichloropropane	12.575	75	68124	52.630	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	68124	106.631	ug/l #	17
88) 1,4-Dichlorobenzene	13.528	146	1009	Below Cal	#	1

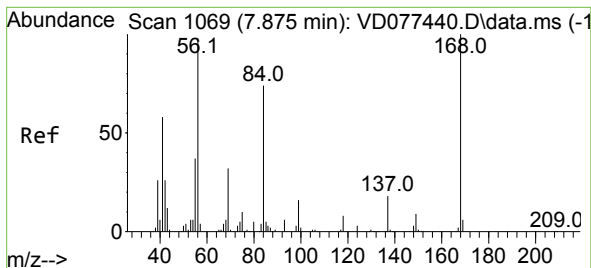
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD077799.D

Acq: 08 Dec 2023 18:58

Instrument :

MSVOA_D

ClientSampleId :

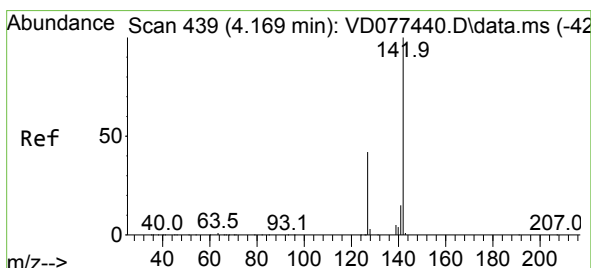
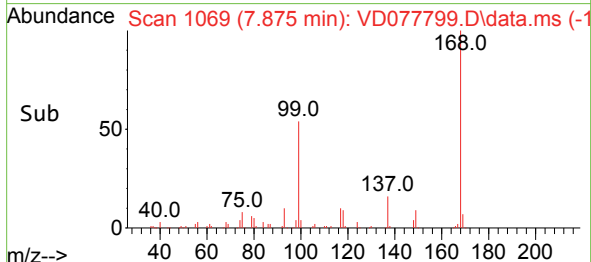
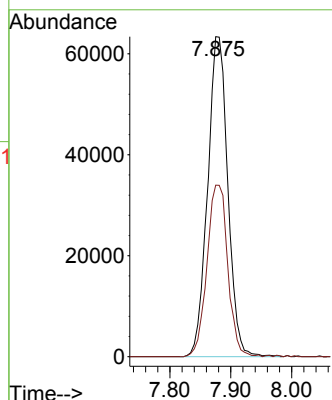
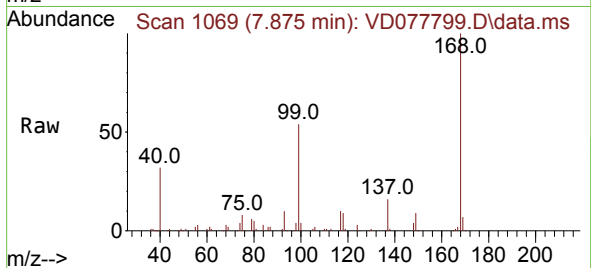
TP-34-VOC

Tgt Ion:168 Resp: 145998

Ion Ratio Lower Upper

168 100

99 53.6 36.7 55.1



#10

Methyl Iodide

Concen: 6.794 ug/l

RT: 4.164 min Scan# 438

Delta R.T. -0.005 min

Lab File: VD077799.D

Acq: 08 Dec 2023 18:58

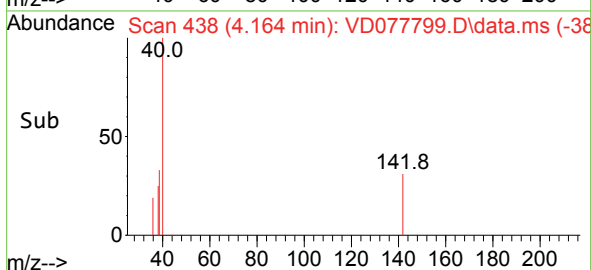
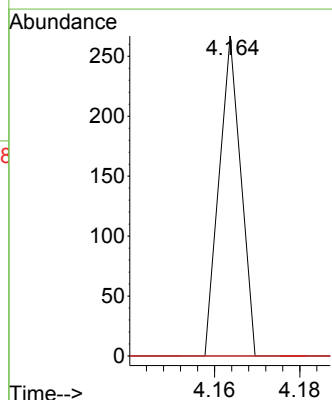
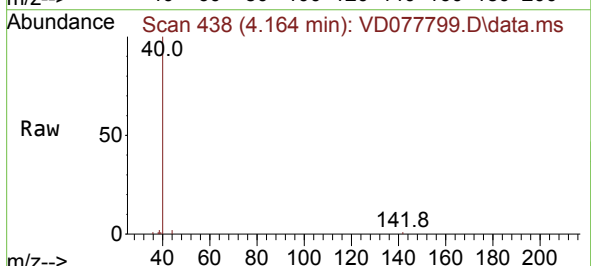
Tgt Ion:142 Resp: 94

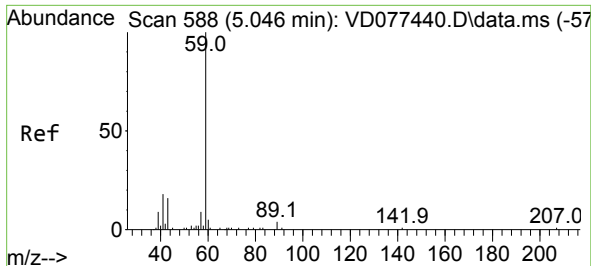
Ion Ratio Lower Upper

142 100

127 0.0 29.4 44.0#

141 0.0 11.1 16.7#

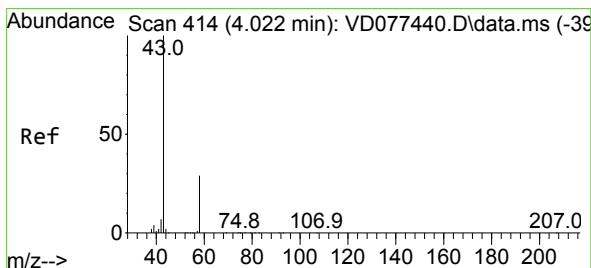
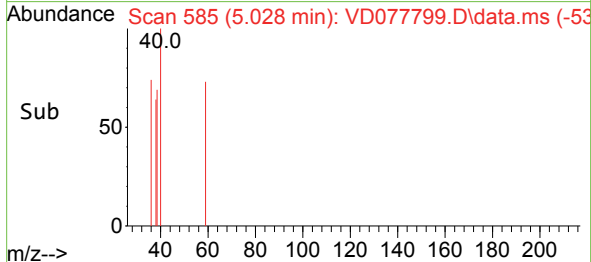
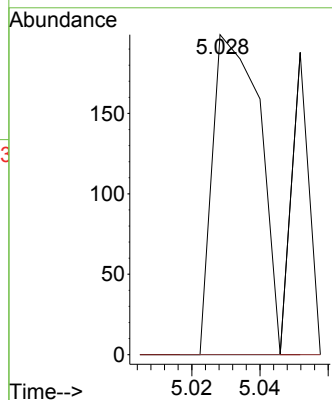
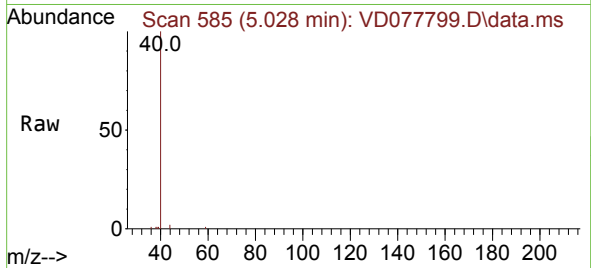




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.028 min Scan# 51
Delta R.T. -0.018 min
Lab File: VD077799.D
Acq: 08 Dec 2023 18:58

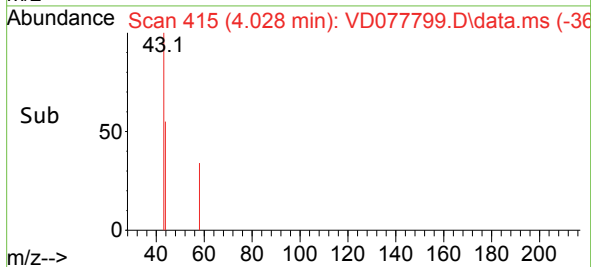
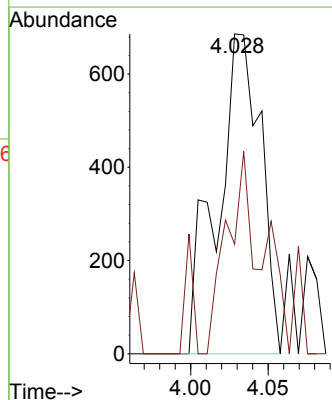
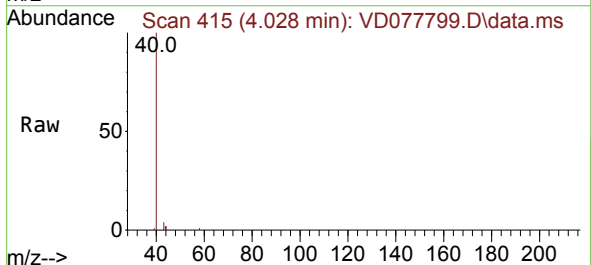
Instrument :
MSVOA_D
ClientSampleId :
TP-34-VOC

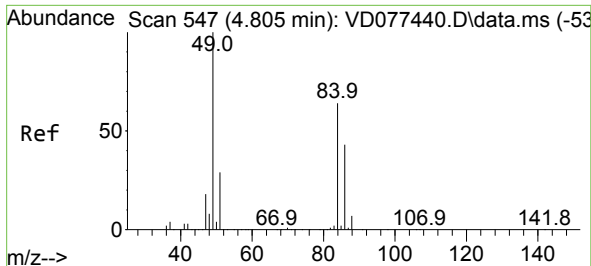
Tgt Ion: 59 Resp: 191
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: Below Cal
RT: 4.028 min Scan# 415
Delta R.T. 0.006 min
Lab File: VD077799.D
Acq: 08 Dec 2023 18:58

Tgt Ion: 43 Resp: 1340
Ion Ratio Lower Upper
43 100
58 34.3 34.7 52.1#

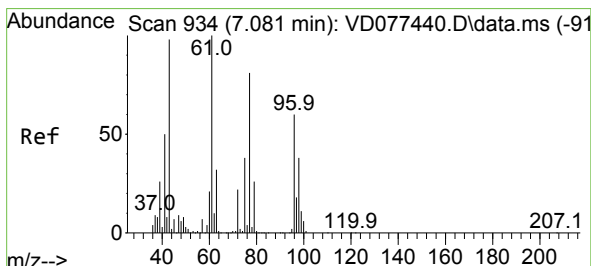
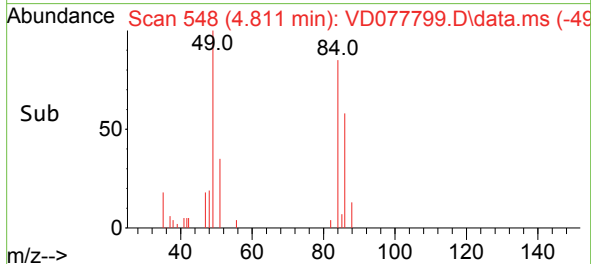
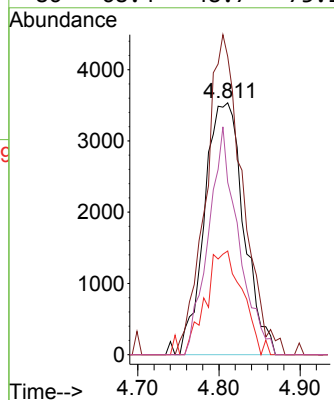
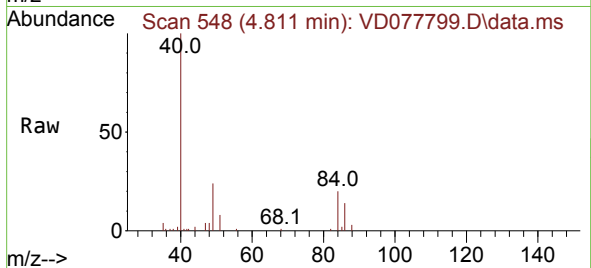




#20
Methylene Chloride
Concen: 1.076 ug/l
RT: 4.811 min Scan# 54
Delta R.T. 0.006 min
Lab File: VD077799.D
Acq: 08 Dec 2023 18:58

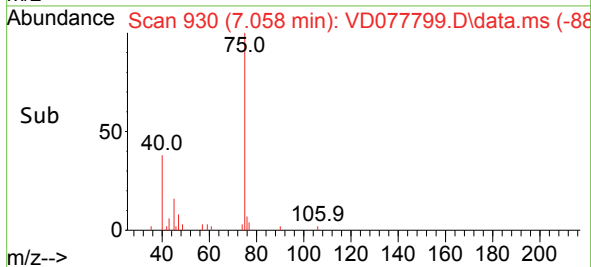
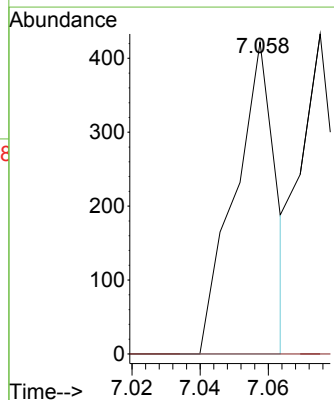
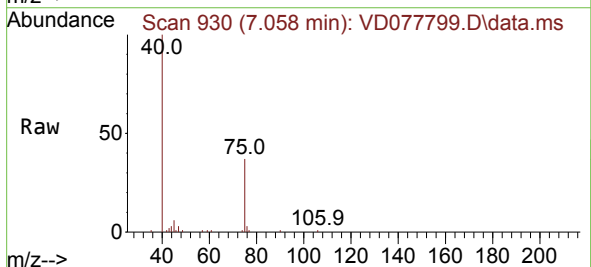
Instrument :
MSVOA_D
ClientSampleId :
TP-34-VOC

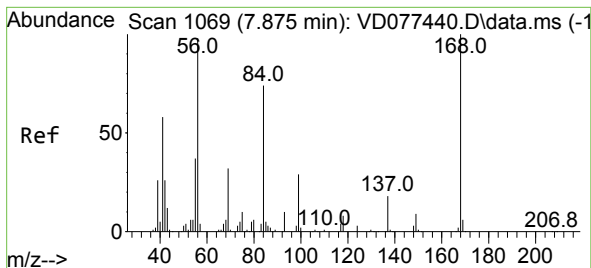
Tgt Ion:	84	Resp:	11849
Ion	Ratio	Lower	Upper
84	100		
49	112.7	71.4	107.2#
51	41.2	24.5	36.7#
86	68.4	48.7	73.1



#25
2-Butanone
Concen: Below Cal
RT: 7.058 min Scan# 930
Delta R.T. -0.023 min
Lab File: VD077799.D
Acq: 08 Dec 2023 18:58

Tgt Ion:	43	Resp:	355
Ion	Ratio	Lower	Upper
43	100		
72	0.0	30.7	46.1#





#31

Cyclohexane

Concen: 1.137 ug/l

RT: 7.875 min Scan# 110

Delta R.T. 0.000 min

Lab File: VD077799.D

Acq: 08 Dec 2023 18:58

Instrument :

MSVOA_D

ClientSampleId :

TP-34-VOC

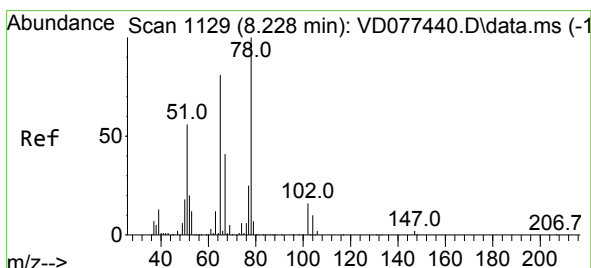
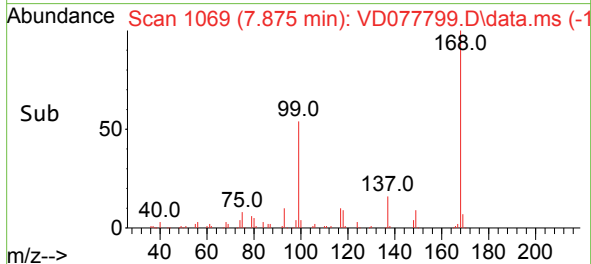
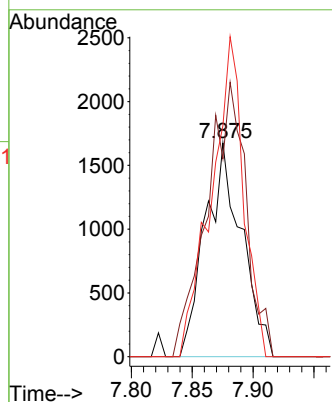
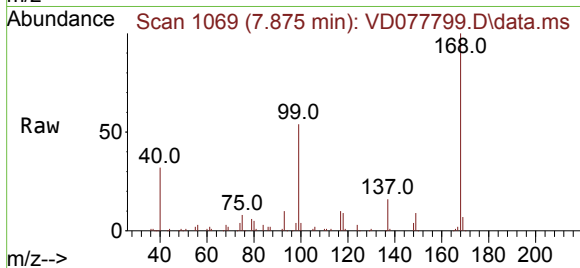
Tgt Ion: 56 Resp: 3478

Ion Ratio Lower Upper

56 100

69 92.6 28.6 43.0#

84 108.1 84.8 127.2



#33

1,2-Dichloroethane-d4

Concen: 54.408 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD077799.D

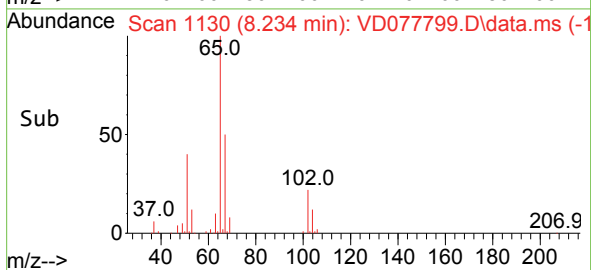
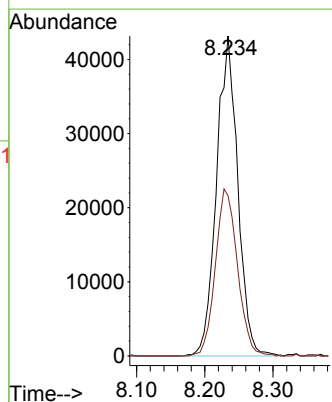
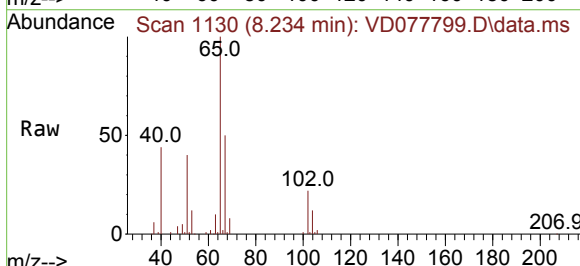
Acq: 08 Dec 2023 18:58

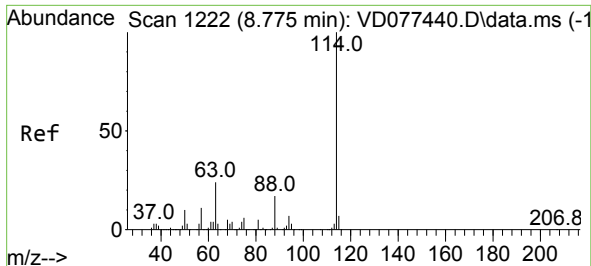
Tgt Ion: 65 Resp: 93603

Ion Ratio Lower Upper

65 100

67 54.4 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD077799.D

Acq: 08 Dec 2023 18:58

Instrument :

MSVOA_D

ClientSampleId :

TP-34-VOC

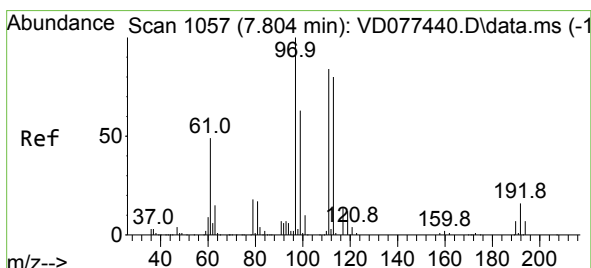
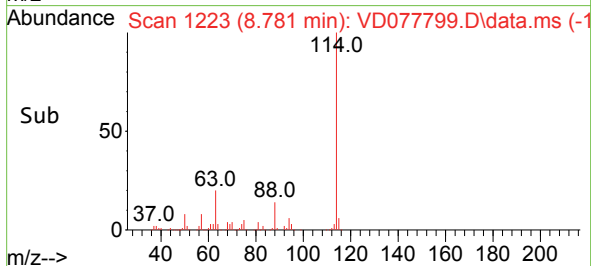
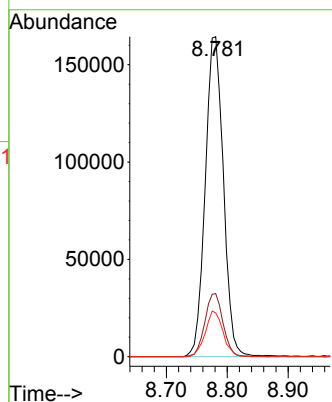
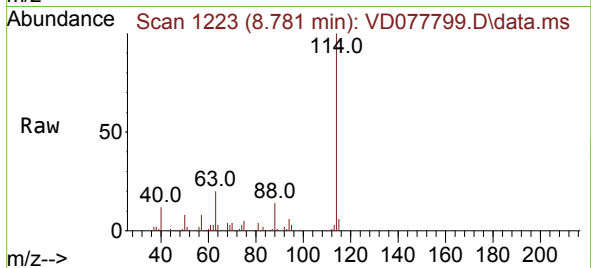
Tgt Ion:114 Resp: 339600

Ion Ratio Lower Upper

114 100

63 19.7 0.0 33.4

88 13.7 0.0 26.2



#35

Dibromofluoromethane

Concen: 46.991 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077799.D

Acq: 08 Dec 2023 18:58

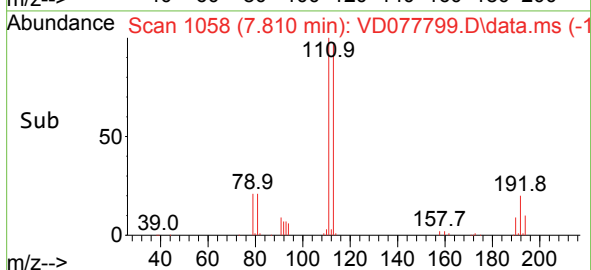
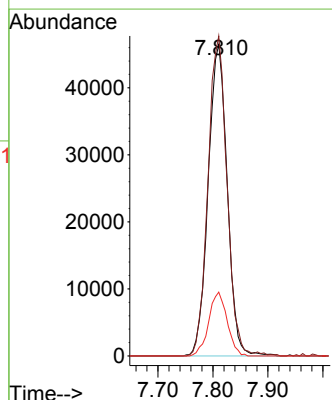
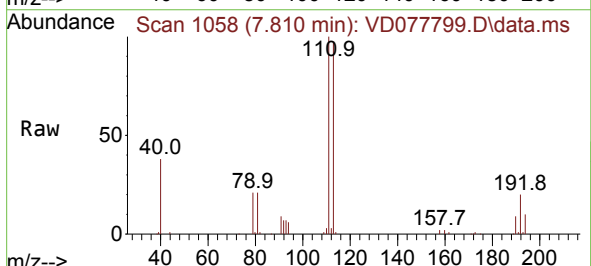
Tgt Ion:113 Resp: 111780

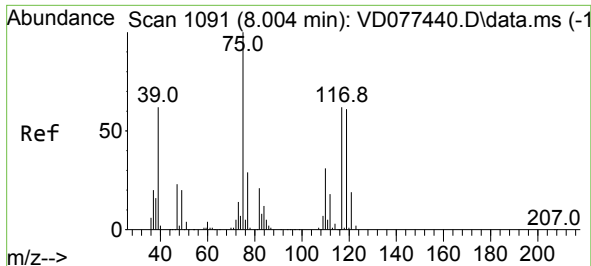
Ion Ratio Lower Upper

113 100

111 102.1 84.7 127.1

192 19.9 16.8 25.2

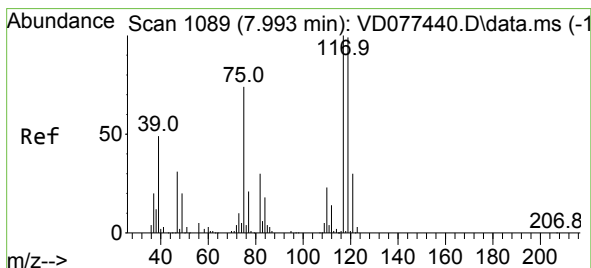
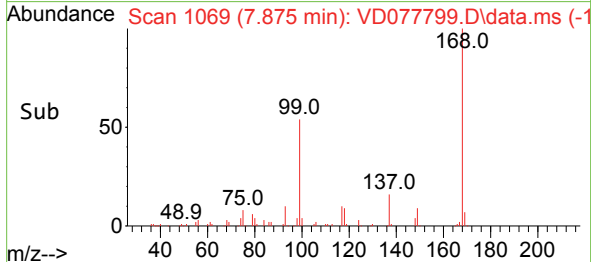
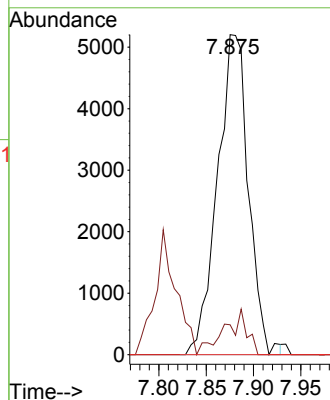
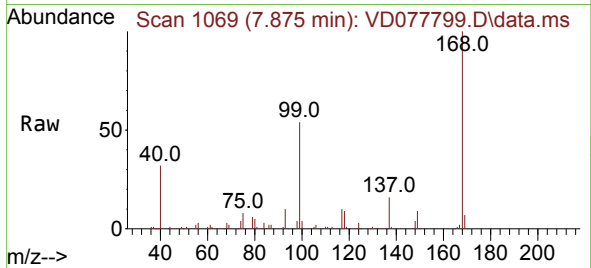




#36
1,1-Dichloropropene
Concen: 3.113 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VD077799.D
Acq: 08 Dec 2023 18:58

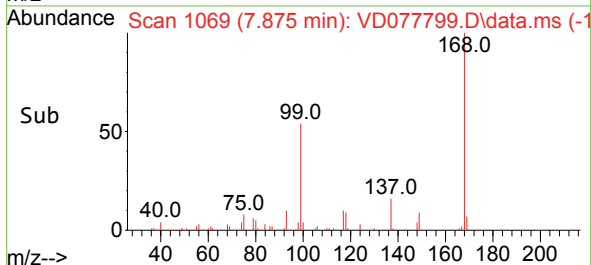
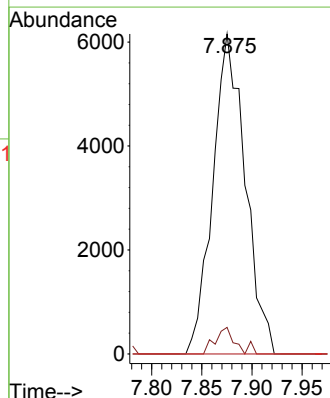
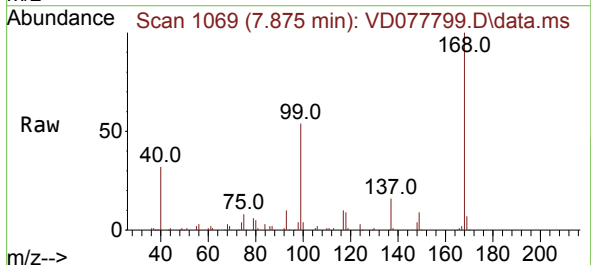
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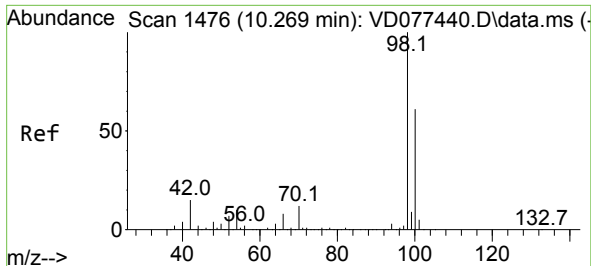
Tgt Ion: 75 Resp: 11844
Ion Ratio Lower Upper
75 100
110 2.3 19.9 59.6#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 3.637 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD077799.D
Acq: 08 Dec 2023 18:58

Tgt Ion: 117 Resp: 13798
Ion Ratio Lower Upper
117 100
119 8.3 78.0 117.0#
121 0.0 24.2 36.2#

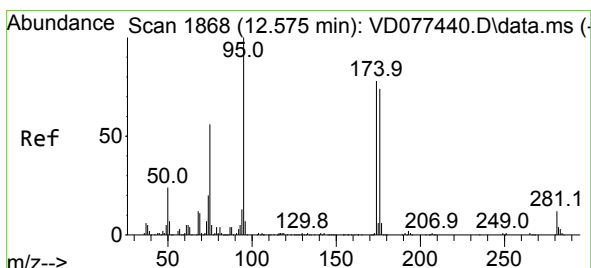
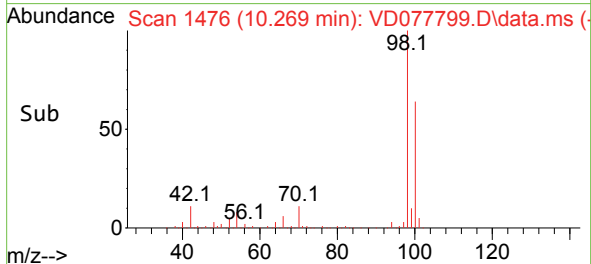
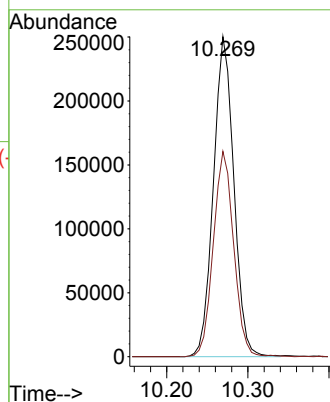
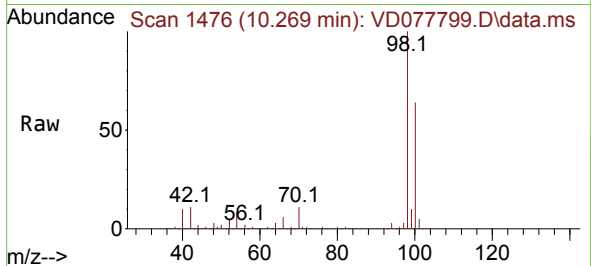




#50
Toluene-d8
Concen: 45.914 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077799.D
Acq: 08 Dec 2023 18:58

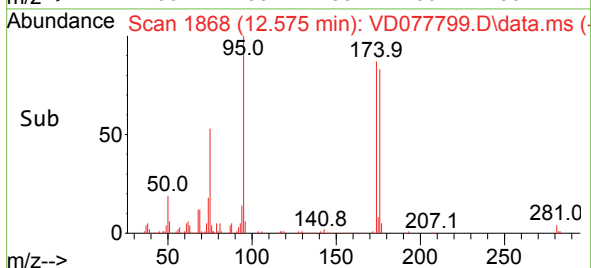
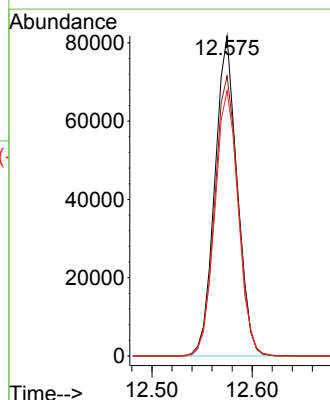
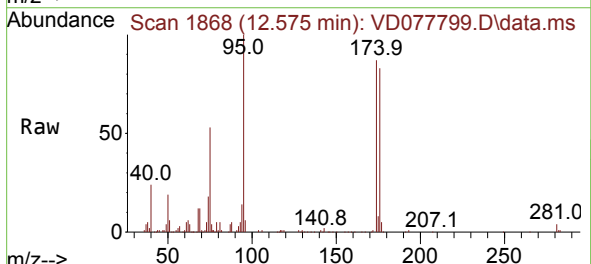
Instrument :
MSVOA_D
ClientSampleId :
TP-34-VOC

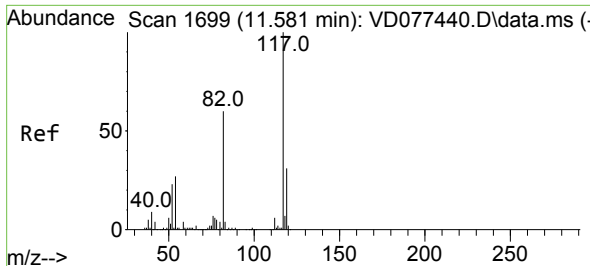
Tgt Ion: 98 Resp: 437441
Ion Ratio Lower Upper
98 100
100 64.1 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 44.322 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077799.D
Acq: 08 Dec 2023 18:58

Tgt Ion: 95 Resp: 126249
Ion Ratio Lower Upper
95 100
174 92.2 0.0 201.8
176 87.1 0.0 191.8

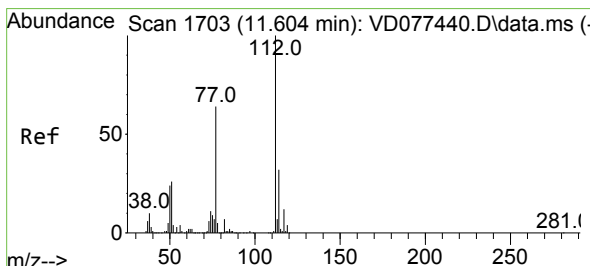
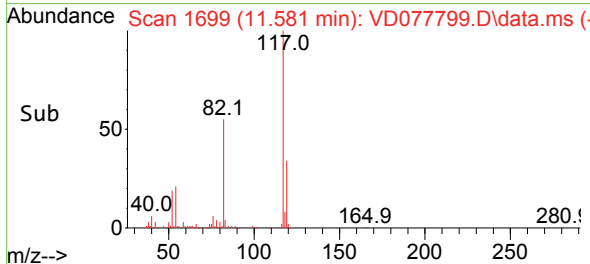
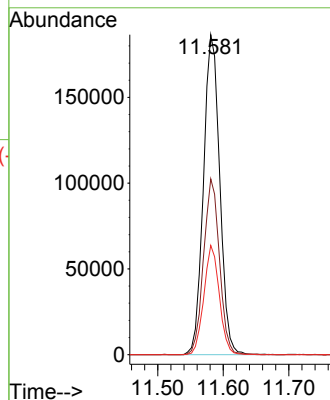
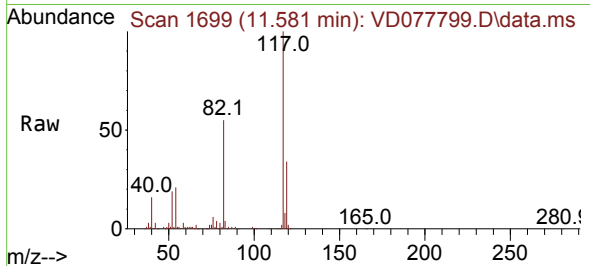




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD077799.D
Acq: 08 Dec 2023 18:58

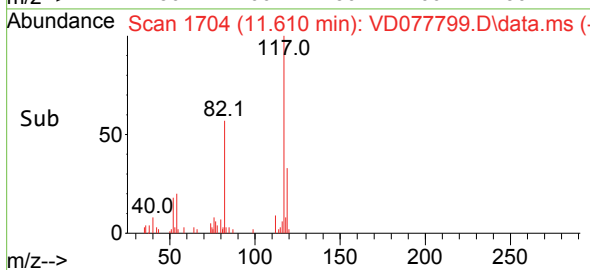
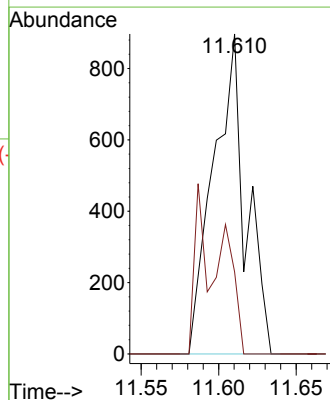
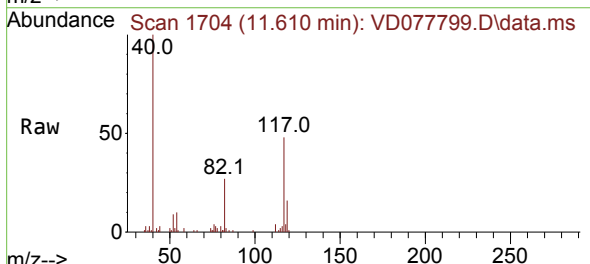
Instrument :
MSVOA_D
ClientSampleId :
TP-34-VOC

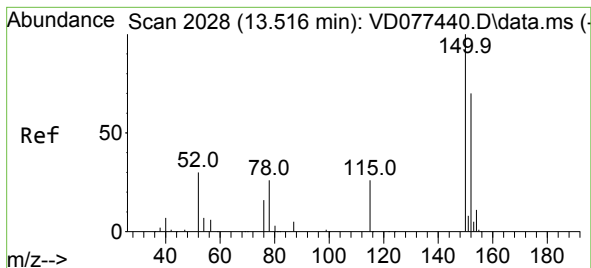
Tgt Ion:117 Resp: 322739
Ion Ratio Lower Upper
117 100
82 55.0 38.3 57.5
119 34.1 25.0 37.4



#65
Chlorobenzene
Concen: Below Cal
RT: 11.610 min Scan# 1704
Delta R.T. 0.006 min
Lab File: VD077799.D
Acq: 08 Dec 2023 18:58

Tgt Ion:112 Resp: 1293
Ion Ratio Lower Upper
112 100
114 25.6 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. 0.000 min

Lab File: VD077799.D

Acq: 08 Dec 2023 18:58

Instrument :

MSVOA_D

ClientSampleId :

TP-34-VOC

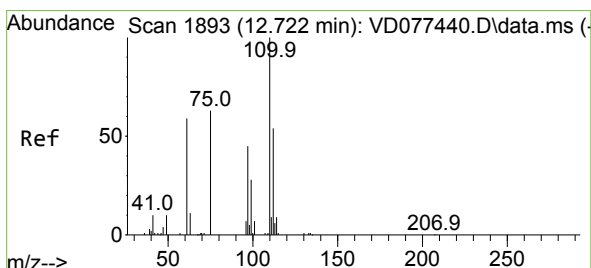
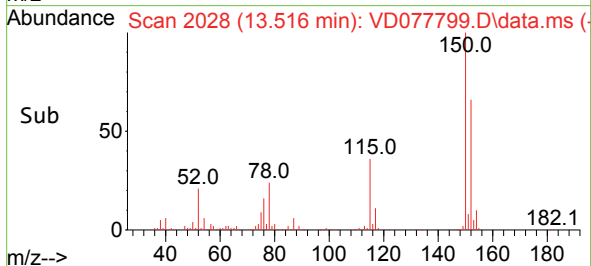
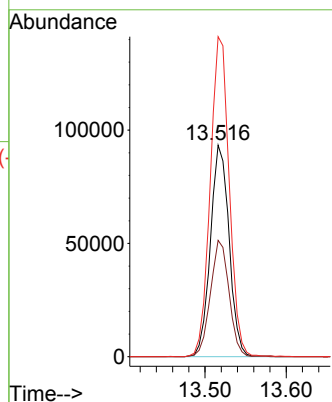
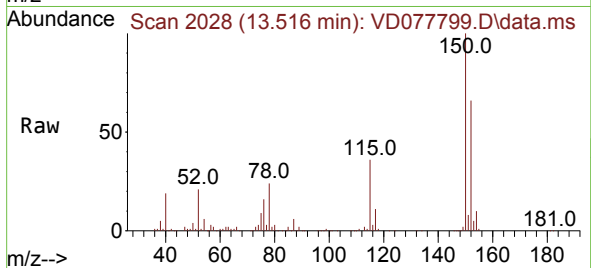
Tgt Ion:152 Resp: 149038

Ion Ratio Lower Upper

152 100

115 54.9 27.1 81.3

150 153.9 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 52.630 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD077799.D

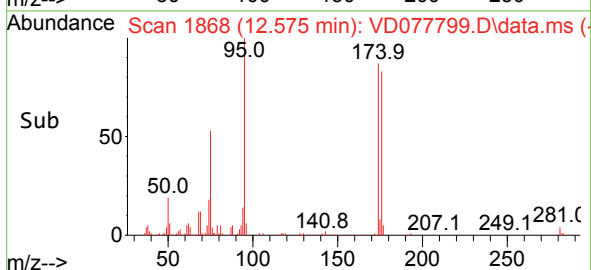
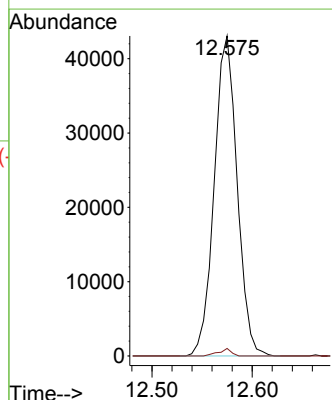
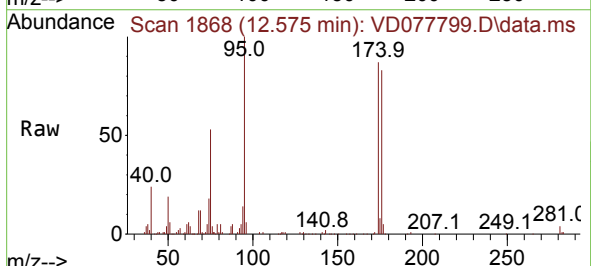
Acq: 08 Dec 2023 18:58

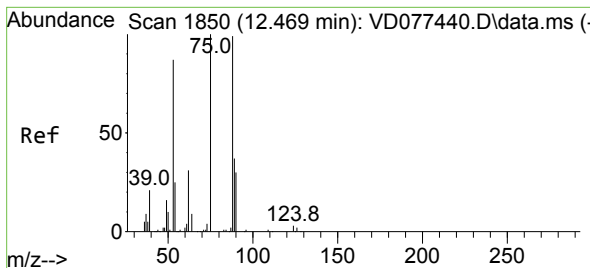
Tgt Ion: 75 Resp: 68124

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

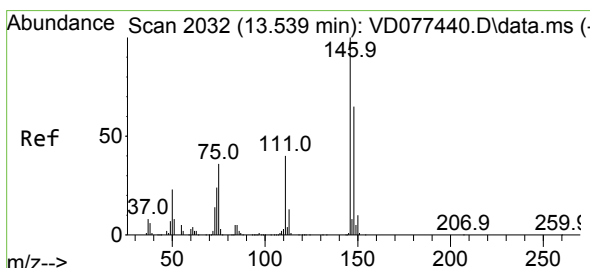
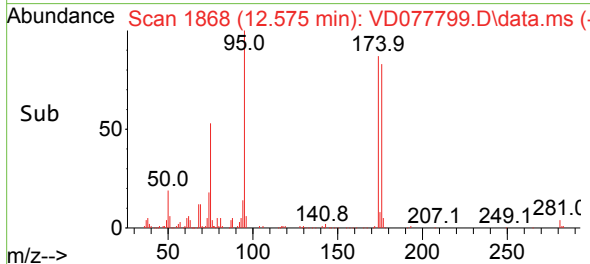
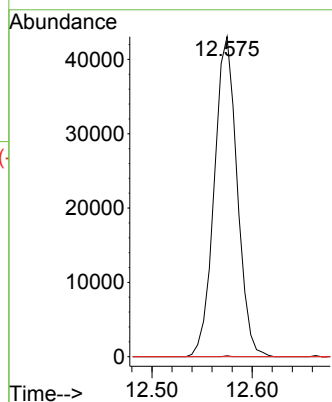
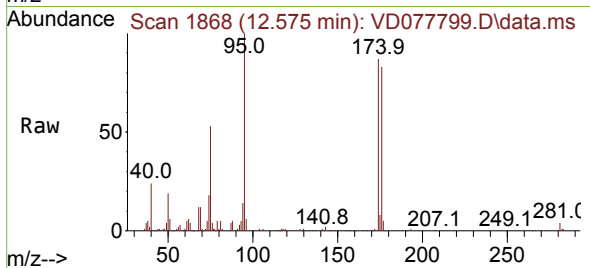




#81
trans-1,4-Dichloro-2-butene
Concen: 106.631 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077799.D
Acq: 08 Dec 2023 18:58

Instrument :
MSVOA_D
ClientSampleId :
TP-34-VOC

Tgt Ion: 75 Resp: 68124
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: 13.528 min Scan# 2030
Delta R.T. -0.011 min
Lab File: VD077799.D
Acq: 08 Dec 2023 18:58

Tgt Ion: 146 Resp: 1009
Ion Ratio Lower Upper
146 100
111 211.2 17.4 52.3#
148 120.2 31.7 95.1#

