

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120823\
 Data File : VD077800.D
 Acq On : 08 Dec 2023 19:25
 Operator : JC/SY
 Sample : 05671-07
 Misc : 5.59G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-35-VOC

Quant Time: Dec 08 23:14:40 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)

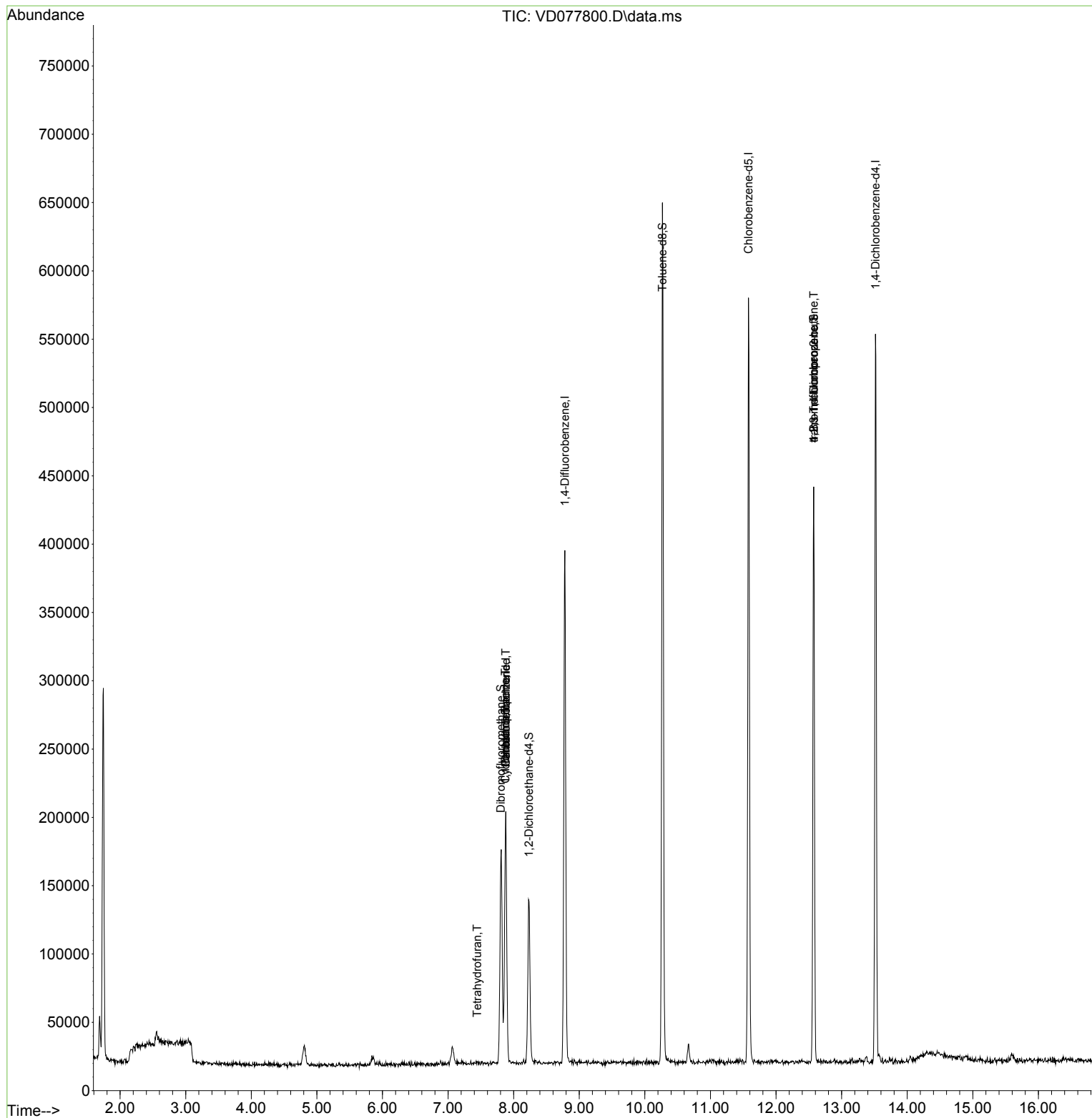
Internal Standards						
1) Pentafluorobenzene	7.881	168	136179	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	332511	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	322587	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	146818	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	94263	58.743	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 117.480%	
35) Dibromofluoromethane	7.805	113	111378	47.820	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 95.640%	
50) Toluene-d8	10.269	98	435788	46.716	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 93.440%	
62) 4-Bromofluorobenzene	12.575	95	125495	44.997	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 90.000%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.034	59	236	Below Cal	#	73
16) Acetone	4.022	43	590	Below Cal		96
25) 2-Butanone	7.075	43	281	Below Cal	#	37
29) Tetrahydrofuran	7.446	42	611	2.391	ug/l #	65
31) Cyclohexane	7.875	56	3237	1.134	ug/l #	60
36) 1,1-Dichloropropene	7.875	75	11248	3.019	ug/l #	48
38) Carbon Tetrachloride	7.881	117	13063	3.517	ug/l #	17
65) Chlorobenzene	11.598	112	1203	Below Cal		99
76) 1,2,3-Trichloropropane	12.575	75	67201	52.702	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	67201	106.777	ug/l #	17
88) 1,4-Dichlorobenzene	13.545	146	552	Below Cal	#	43

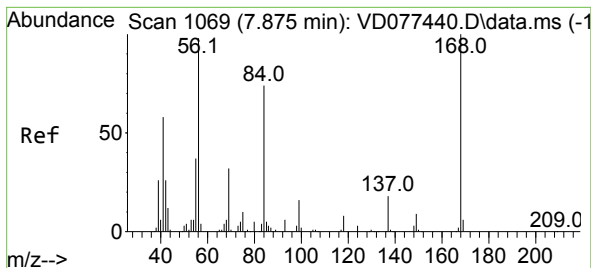
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 08 23:14:40 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: VD077800.D

Acq: 08 Dec 2023 19:25

Instrument :

MSVOA_D

ClientSampleId :

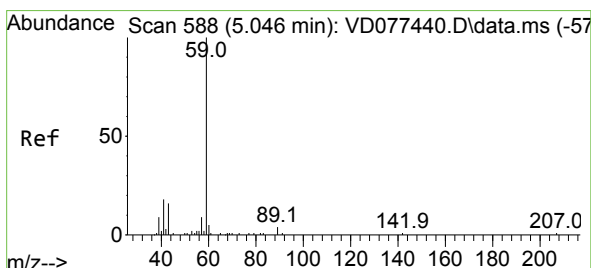
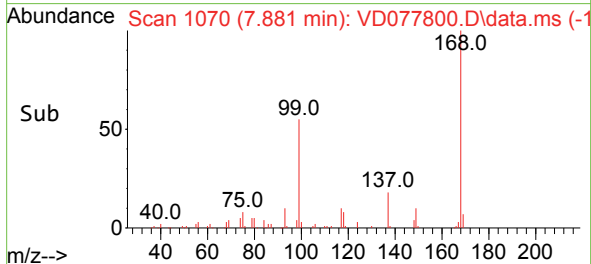
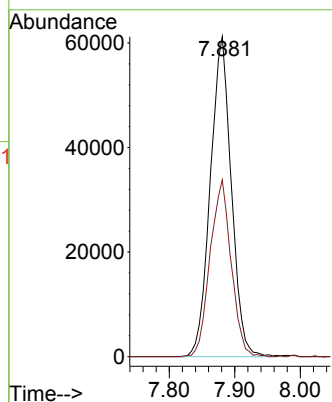
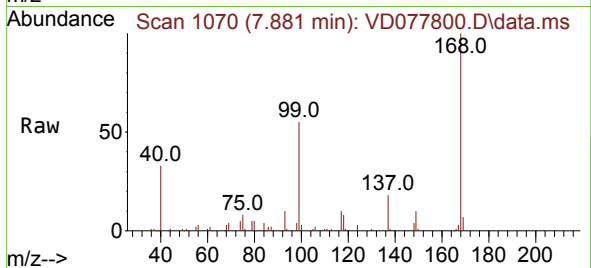
TP-35-VOC

Tgt Ion:168 Resp: 136179

Ion Ratio Lower Upper

168 100

99 55.3 36.7 55.1#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.034 min Scan# 586

Delta R.T. -0.012 min

Lab File: VD077800.D

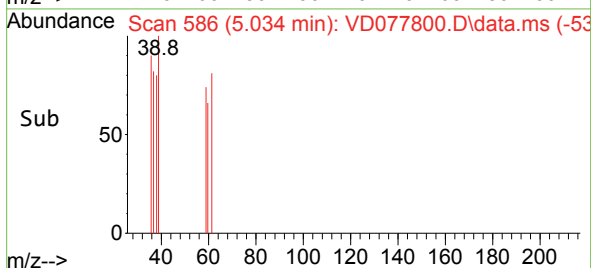
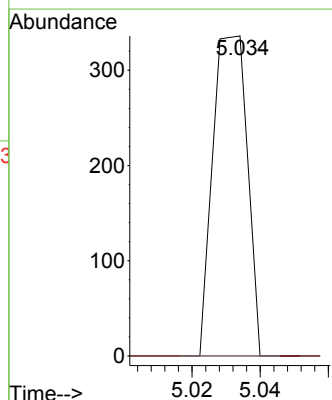
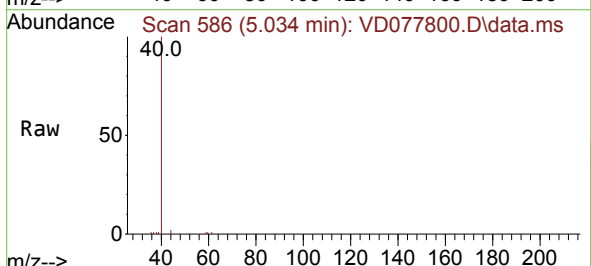
Acq: 08 Dec 2023 19:25

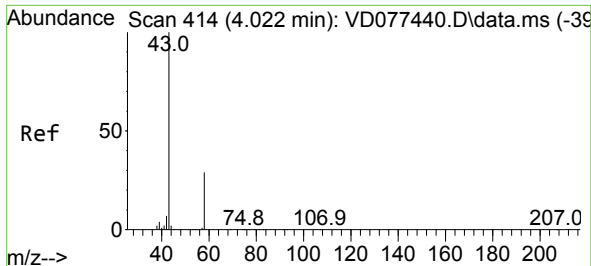
Tgt Ion: 59 Resp: 236

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

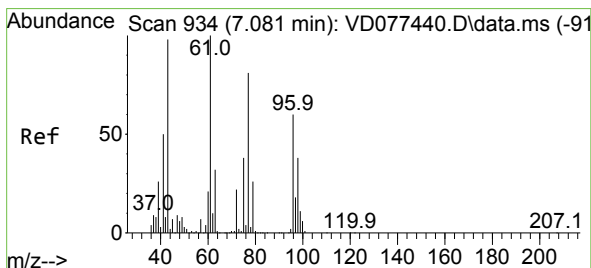
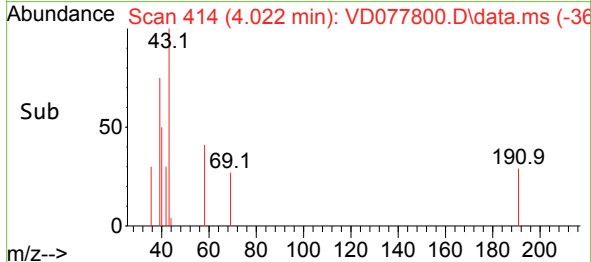
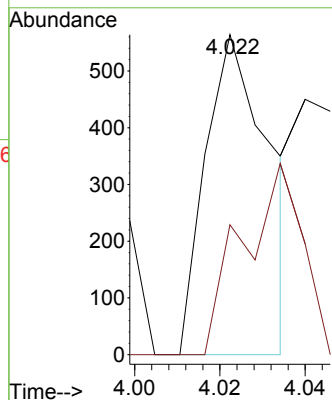
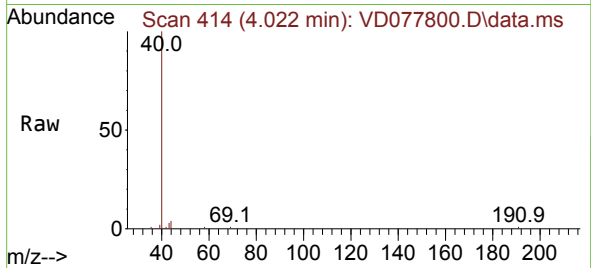




#16
Acetone
Concen: Below Cal
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD077800.D
Acq: 08 Dec 2023 19:25

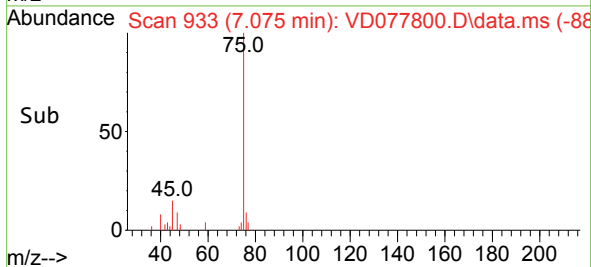
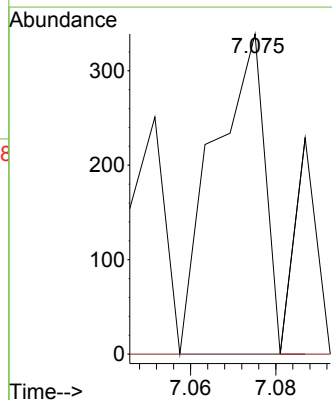
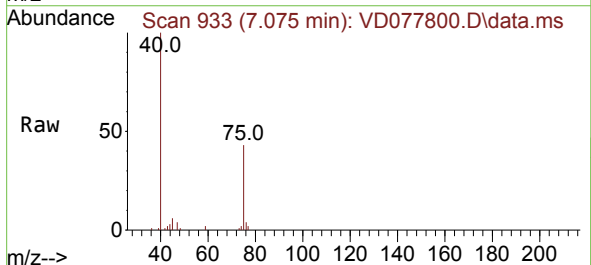
Instrument :
MSVOA_D
ClientSampleId :
TP-35-VOC

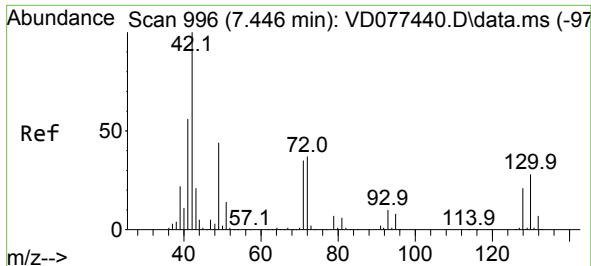
Tgt Ion: 43 Resp: 590
Ion Ratio Lower Upper
43 100
58 40.6 34.7 52.1



#25
2-Butanone
Concen: Below Cal
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD077800.D
Acq: 08 Dec 2023 19:25

Tgt Ion: 43 Resp: 281
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#





#29

Tetrahydrofuran

Concen: 2.391 ug/l

RT: 7.446 min Scan# 996

Delta R.T. -0.000 min

Lab File: VD077800.D

Acq: 08 Dec 2023 19:25

Instrument :

MSVOA_D

ClientSampleId :

TP-35-VOC

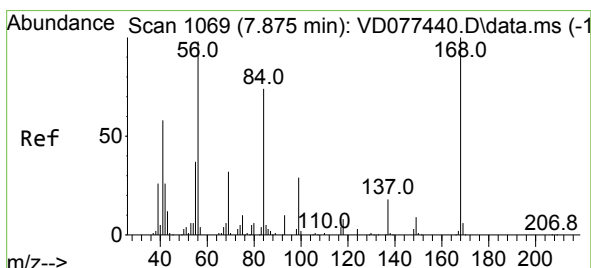
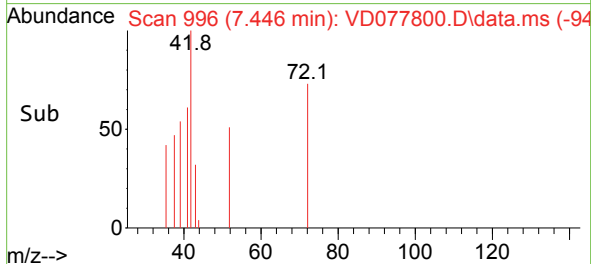
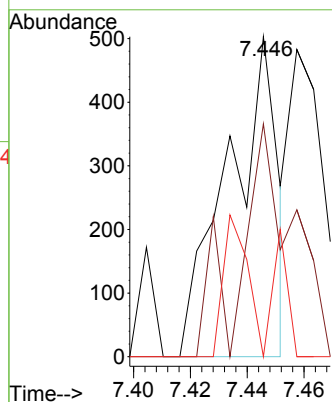
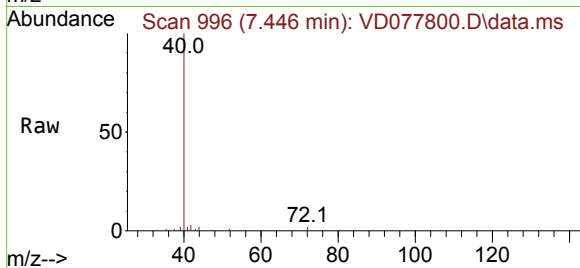
Tgt Ion: 42 Resp: 611

Ion Ratio Lower Upper

42 100

72 76.3 46.5 69.7#

71 21.8 44.5 66.7#



#31

Cyclohexane

Concen: 1.134 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD077800.D

Acq: 08 Dec 2023 19:25

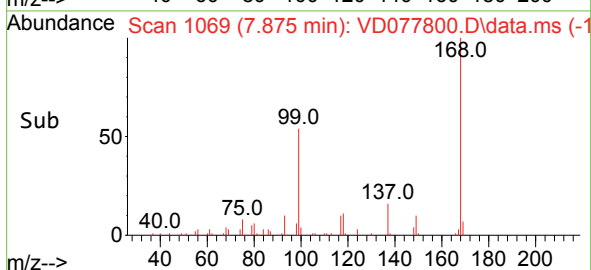
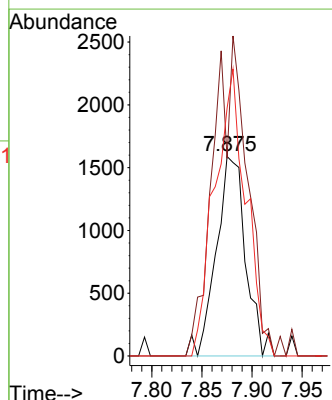
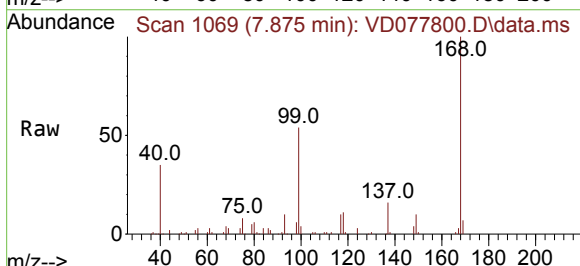
Tgt Ion: 56 Resp: 3237

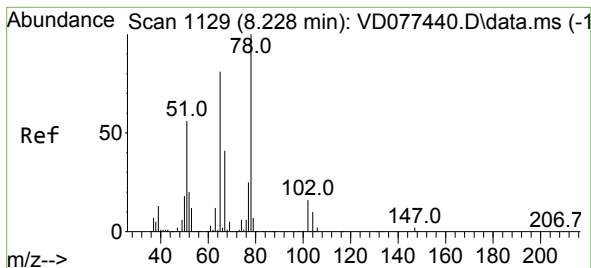
Ion Ratio Lower Upper

56 100

69 99.0 28.6 43.0#

84 124.1 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 58.743 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD077800.D

Acq: 08 Dec 2023 19:25

Instrument :

MSVOA_D

ClientSampleId :

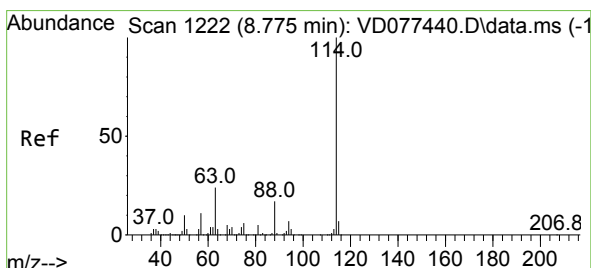
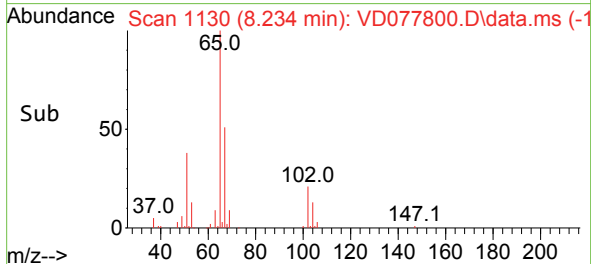
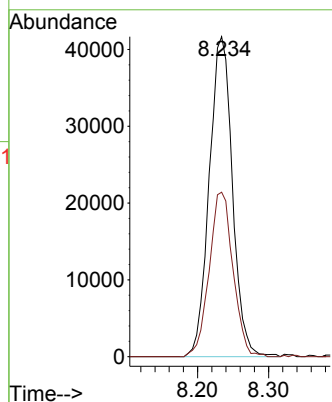
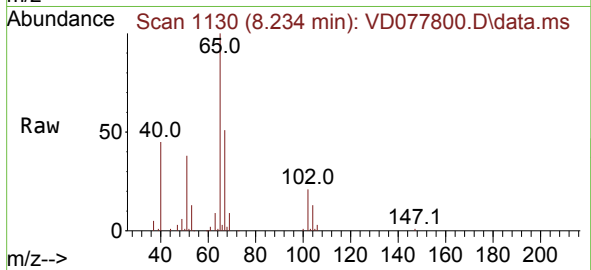
TP-35-VOC

Tgt Ion: 65 Resp: 94263

Ion Ratio Lower Upper

65 100

67 52.8 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: VD077800.D

Acq: 08 Dec 2023 19:25

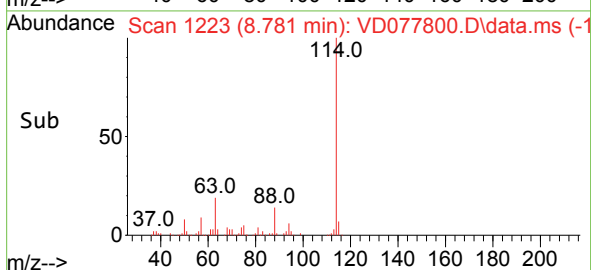
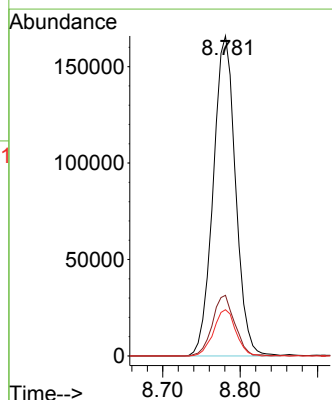
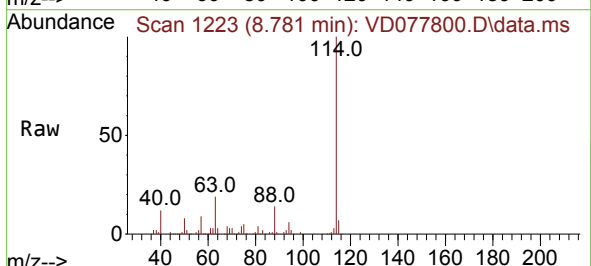
Tgt Ion: 114 Resp: 332511

Ion Ratio Lower Upper

114 100

63 18.9 0.0 33.4

88 14.5 0.0 26.2

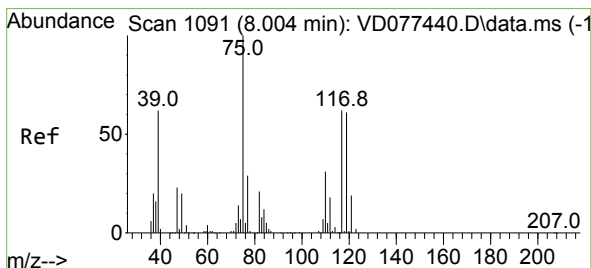
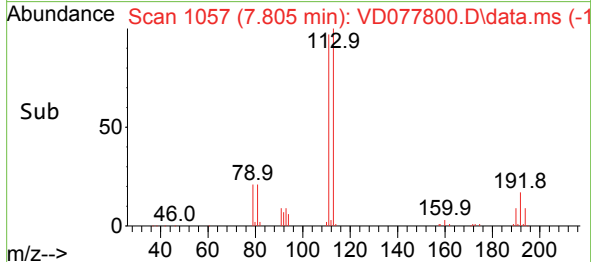
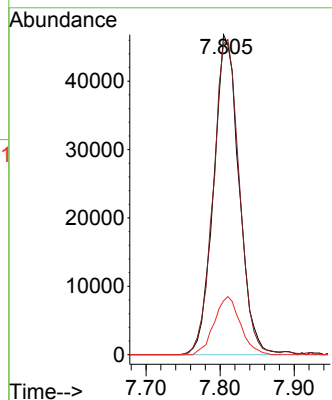
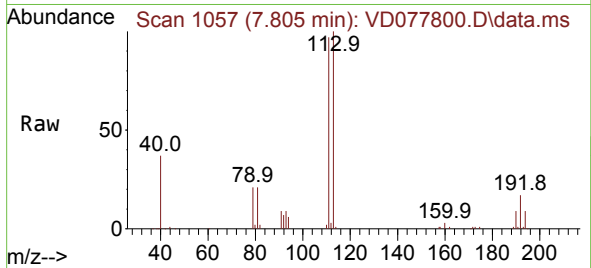




#35
Dibromofluoromethane
Concen: 47.820 ug/l
RT: 7.805 min Scan# 1069
Delta R.T. 0.001 min
Lab File: VD077800.D
Acq: 08 Dec 2023 19:25

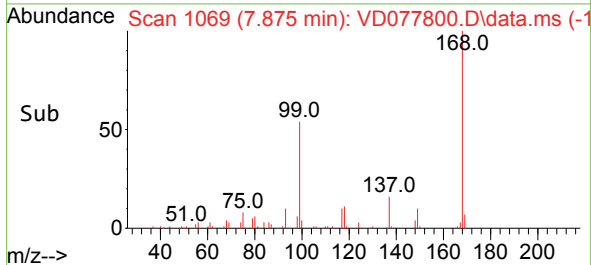
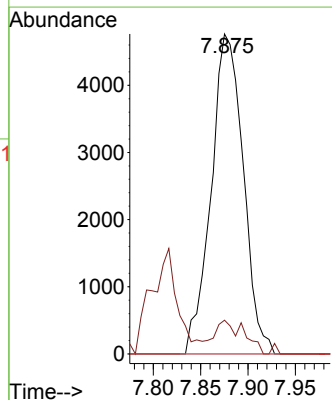
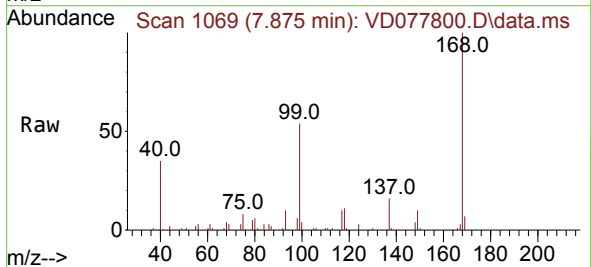
Instrument :
MSVOA_D
ClientSampleId :
TP-35-VOC

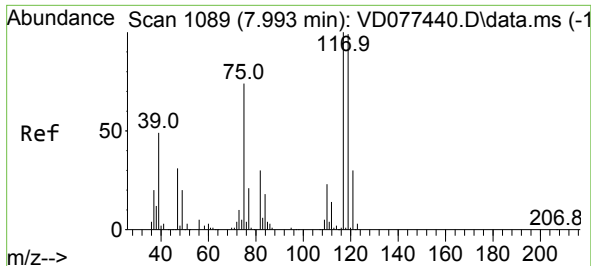
Tgt Ion:113 Resp: 111378
Ion Ratio Lower Upper
113 100
111 101.3 84.7 127.1
192 18.6 16.8 25.2



#36
1,1-Dichloropropene
Concen: 3.019 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VD077800.D
Acq: 08 Dec 2023 19:25

Tgt Ion: 75 Resp: 11248
Ion Ratio Lower Upper
75 100
110 9.9 19.9 59.6#
77 0.0 24.7 37.1#

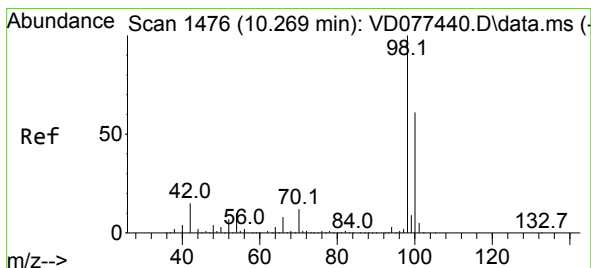
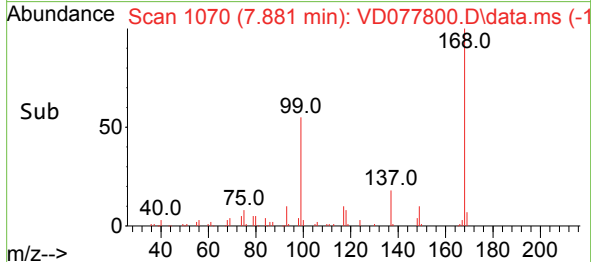
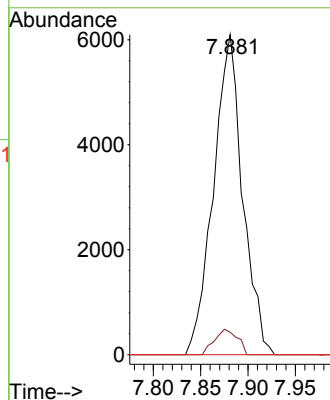
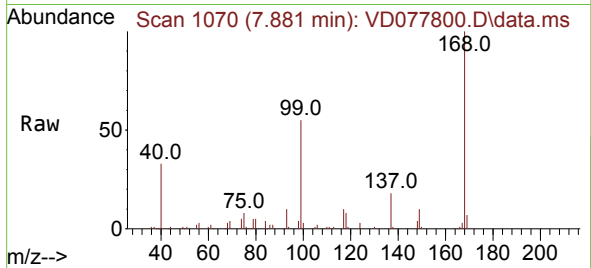




#38
Carbon Tetrachloride
Concen: 3.517 ug/l
RT: 7.881 min Scan# 1089
Delta R.T. -0.112 min
Lab File: VD077800.D
Acq: 08 Dec 2023 19:25

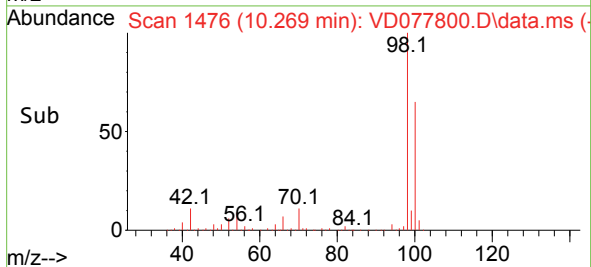
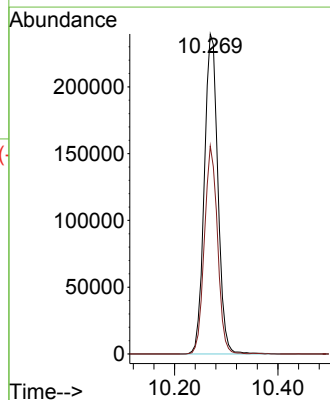
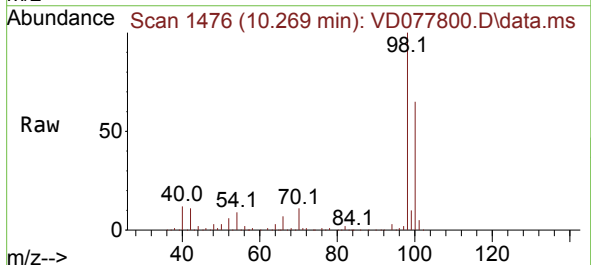
Instrument :
MSVOA_D
ClientSampleId :
TP-35-VOC

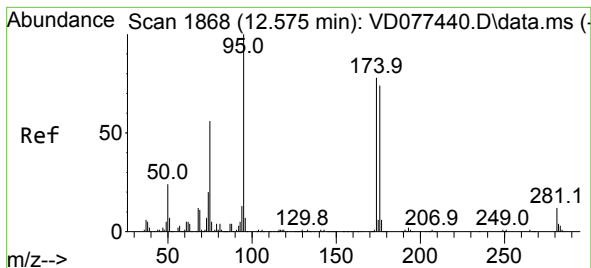
Tgt Ion:117 Resp: 13063
Ion Ratio Lower Upper
117 100
119 7.1 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 46.716 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077800.D
Acq: 08 Dec 2023 19:25

Tgt Ion: 98 Resp: 435788
Ion Ratio Lower Upper
98 100
100 62.9 50.3 75.5

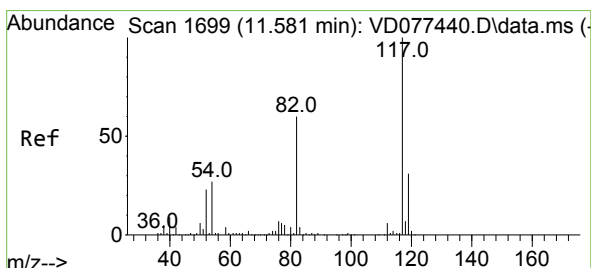
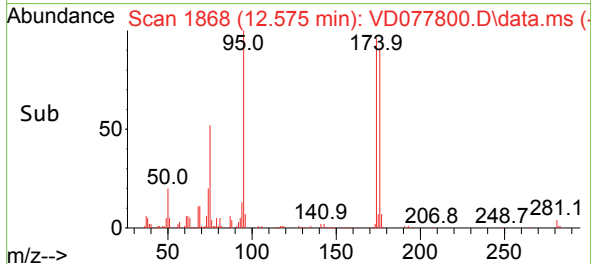
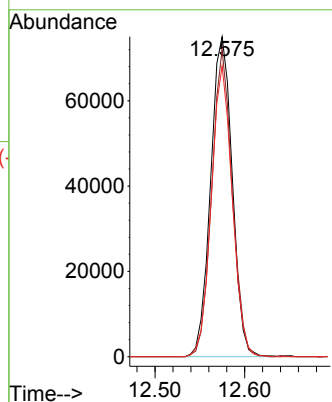
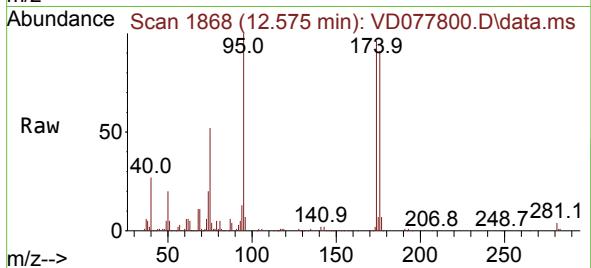




#62
4-Bromofluorobenzene
Concen: 44.997 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077800.D
Acq: 08 Dec 2023 19:25

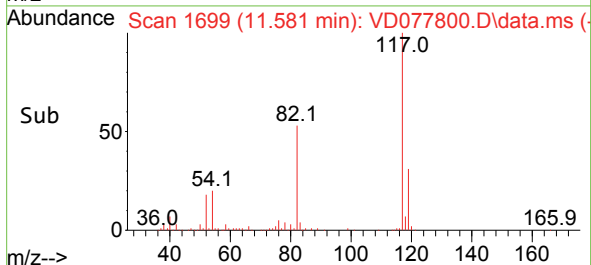
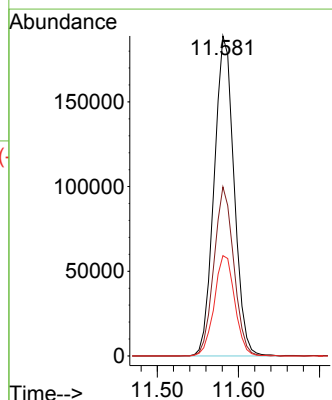
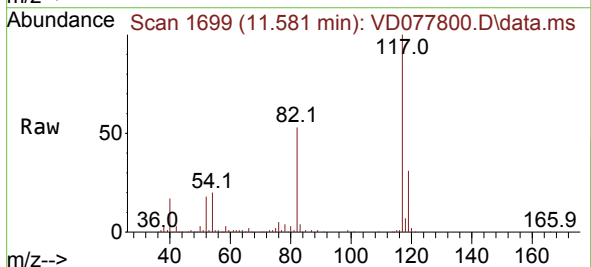
Instrument :
MSVOA_D
ClientSampleId :
TP-35-VOC

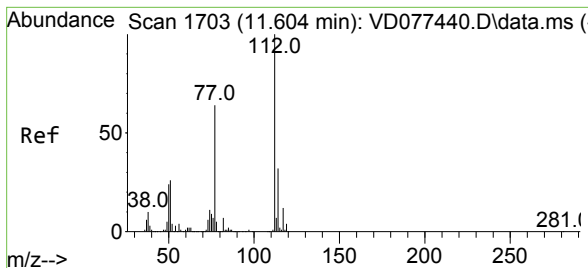
Tgt Ion: 95 Resp: 125495
Ion Ratio Lower Upper
95 100
174 90.5 0.0 201.8
176 87.8 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077800.D
Acq: 08 Dec 2023 19:25

Tgt Ion: 117 Resp: 322587
Ion Ratio Lower Upper
117 100
82 52.8 38.3 57.5
119 31.3 25.0 37.4





#65

Chlorobenzene

Concen: Below Cal

RT: 11.598 min Scan# 1702

Delta R.T. -0.006 min

Lab File: VD077800.D

Acq: 08 Dec 2023 19:25

Instrument :

MSVOA_D

ClientSampleId :

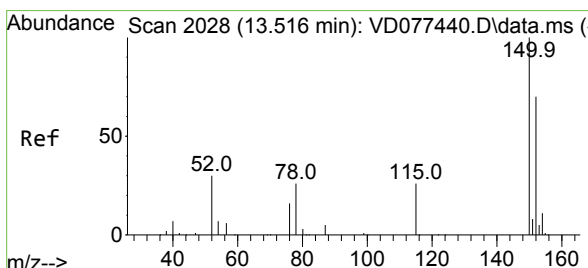
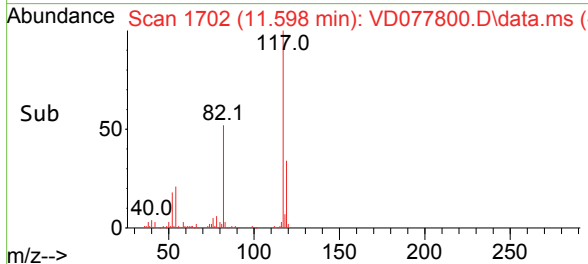
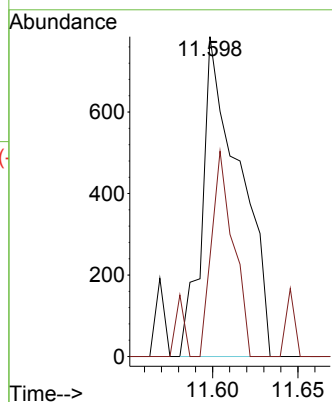
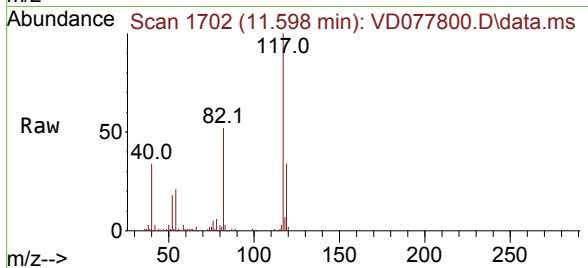
TP-35-VOC

Tgt Ion:112 Resp: 1203

Ion Ratio Lower Upper

112 100

114 31.0 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: VD077800.D

Acq: 08 Dec 2023 19:25

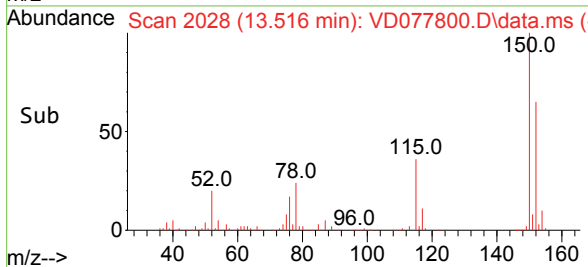
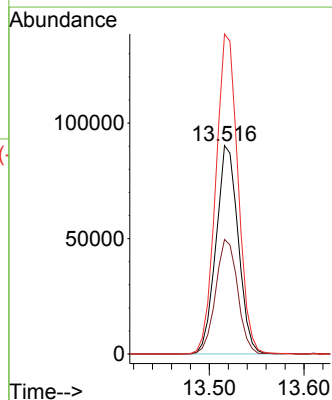
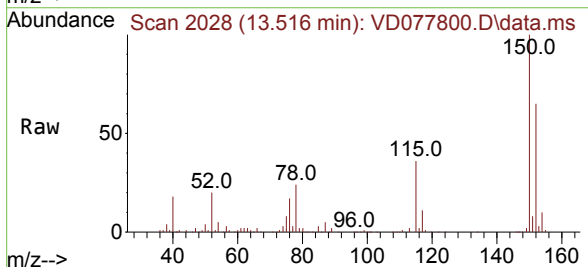
Tgt Ion:152 Resp: 146818

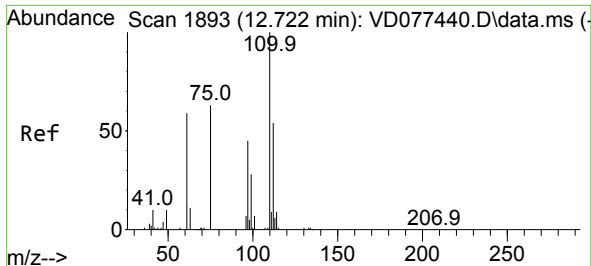
Ion Ratio Lower Upper

152 100

115 54.7 27.1 81.3

150 153.9 0.0 353.6

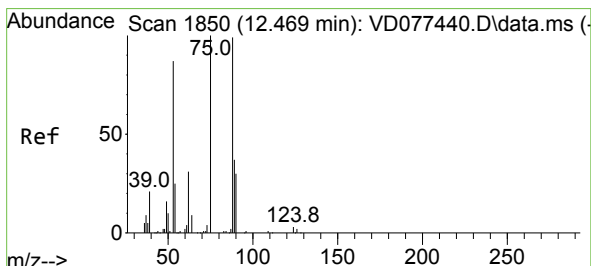
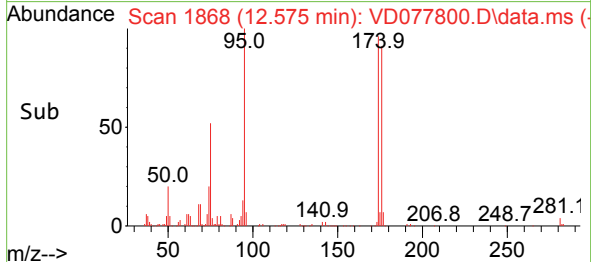
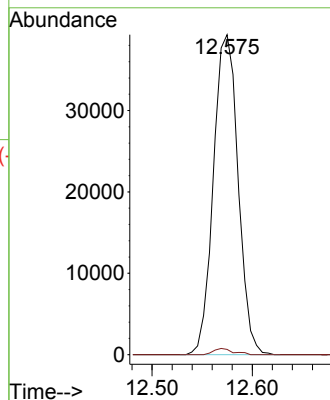
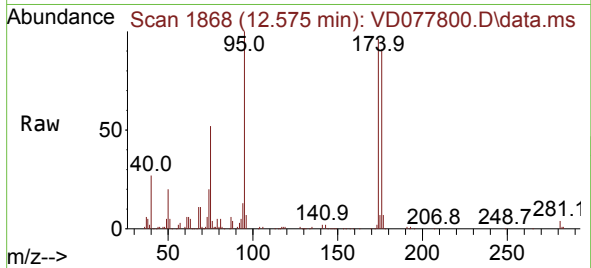




#76
1,2,3-Trichloropropane
Concen: 52.702 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077800.D
Acq: 08 Dec 2023 19:25

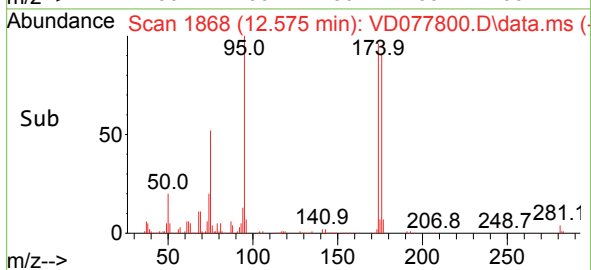
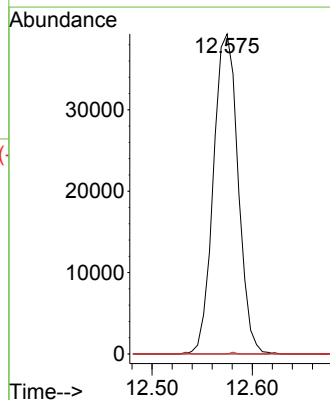
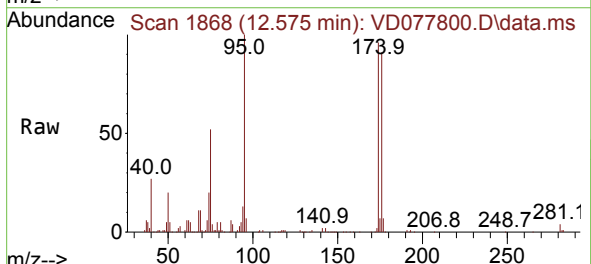
Instrument :
MSVOA_D
ClientSampleId :
TP-35-VOC

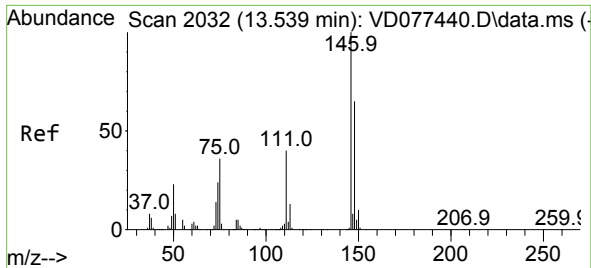
Tgt Ion: 75 Resp: 67201
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 106.777 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077800.D
Acq: 08 Dec 2023 19:25

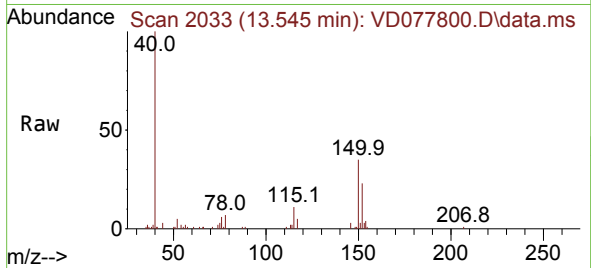
Tgt Ion: 75 Resp: 67201
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.1 37.9 56.9#





#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.545 min Scan# 2033
 Delta R.T. 0.006 min
 Lab File: VD077800.D
 Acq: 08 Dec 2023 19:25

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-35-VOC



Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	17.4	52.3#
148	106.2	31.7	95.1#

