

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY063025\
 Data File : VY022886.D
 Acq On : 30 Jun 2025 17:35
 Operator : SY/MD
 Sample : Q2459-03
 Misc : 6.50g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1-VOC

Quant Time: Jul 01 03:41:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

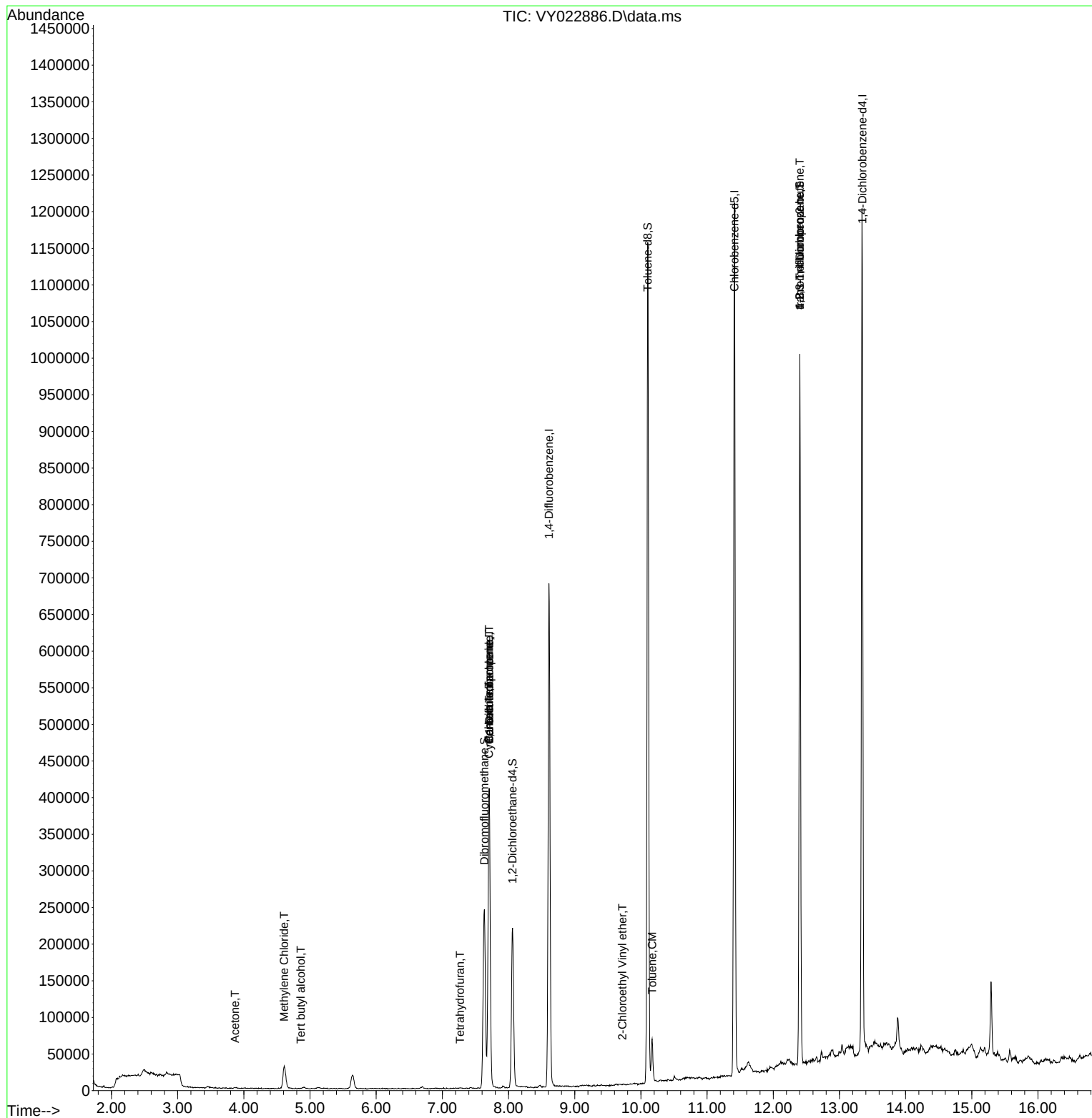
Internal Standards						
1) Pentafluorobenzene	7.707	168	304811	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	580674	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	602743	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	271326	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	170037	49.981	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.960%
35) Dibromofluoromethane	7.634	113	174294	49.356	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.720%
50) Toluene-d8	10.103	98	717777	51.222	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.440%
62) 4-Bromofluorobenzene	12.401	95	274295	60.890	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	121.780%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.860	59	306	1.353	ug/l #	73
16) Acetone	3.866	43	2415	3.756	ug/l #	68
20) Methylene Chloride	4.610	84	21445	5.281	ug/l #	93
29) Tetrahydrofuran	7.268	42	850	1.438	ug/l #	64
31) Cyclohexane	7.701	56	7852	1.344	ug/l #	27
36) 1,1-Dichloropropene	7.707	75	25543	4.772	ug/l #	52
38) Carbon Tetrachloride	7.707	117	32076	5.679	ug/l #	17
52) Toluene	10.170	92	22734	2.190	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.719	63	56	15.681	ug/l #	11
76) 1,2,3-Trichloropropane	12.401	75	156715	56.576	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	156715	142.932	ug/l #	11

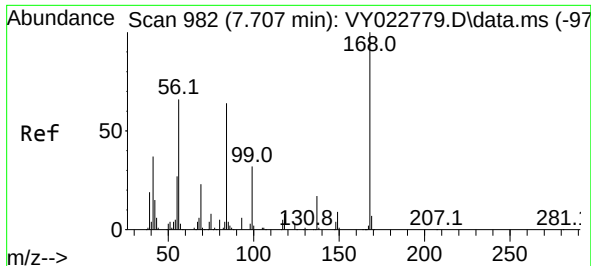
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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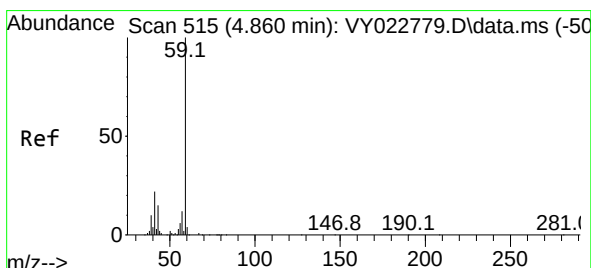
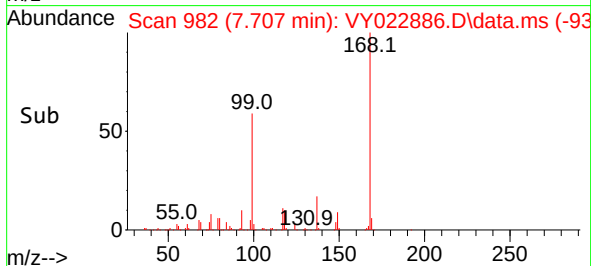
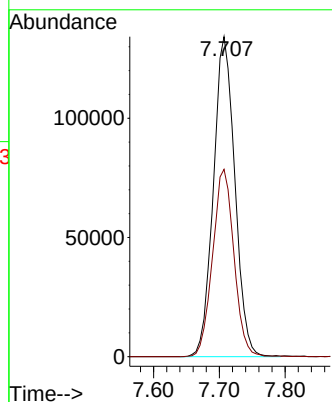
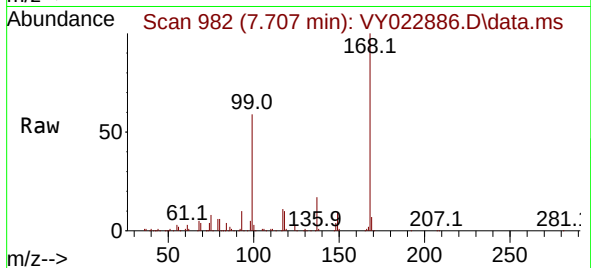




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.006 min
Lab File: VY022886.D
Acq: 30 Jun 2025 17:35

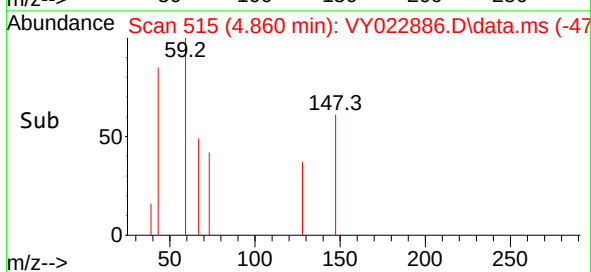
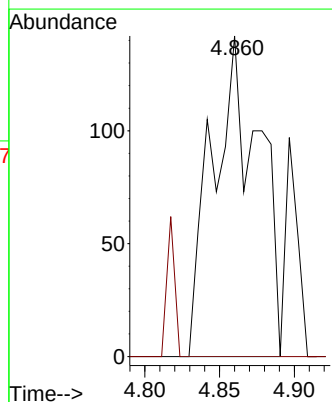
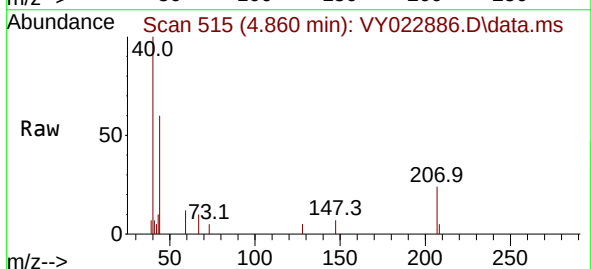
Instrument :
MSVOA_Y
ClientSampleId :
TP-1-VOC

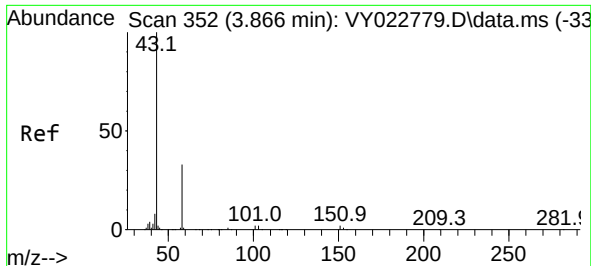
Tgt Ion:168 Resp: 304811
Ion Ratio Lower Upper
168 100
99 58.5 44.3 66.5



#11
Tert butyl alcohol
Concen: 1.353 ug/l
RT: 4.860 min Scan# 515
Delta R.T. -0.025 min
Lab File: VY022886.D
Acq: 30 Jun 2025 17:35

Tgt Ion: 59 Resp: 306
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

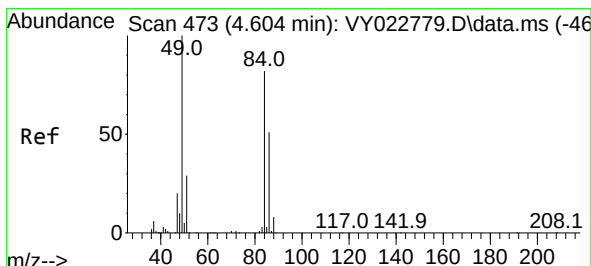
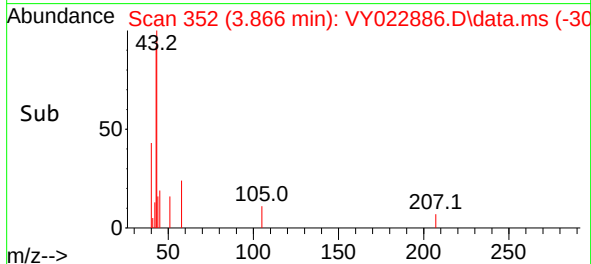
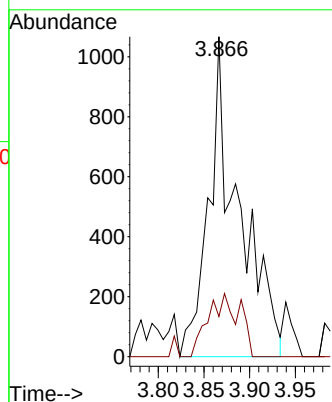
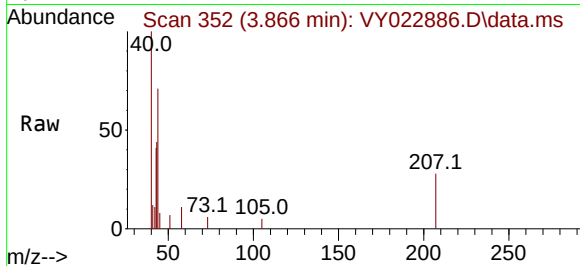




#16
Acetone
Concen: 3.756 ug/l
RT: 3.866 min Scan# 316
Delta R.T. -0.012 min
Lab File: VY022886.D
Acq: 30 Jun 2025 17:35

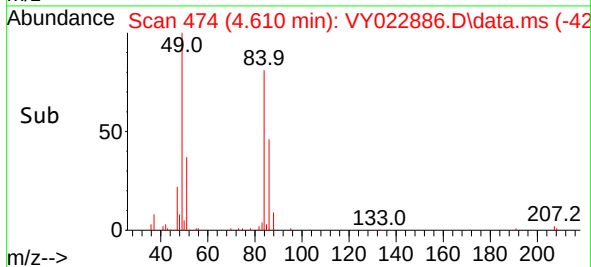
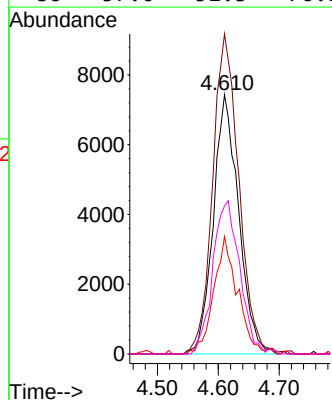
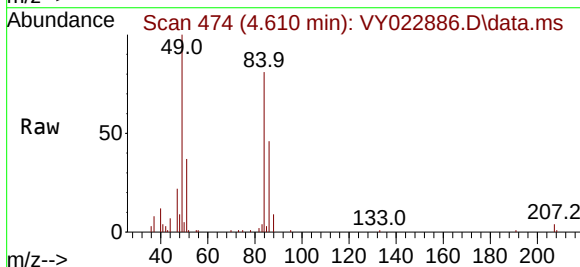
Instrument :
MSVOA_Y
ClientSampleId :
TP-1-VOC

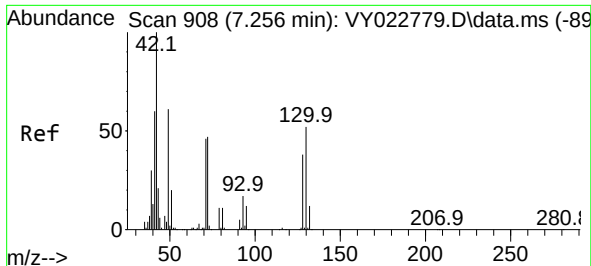
Tgt Ion: 43 Resp: 2415
Ion Ratio Lower Upper
43 100
58 12.6 24.0 36.0#



#20
Methylene Chloride
Concen: 5.281 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY022886.D
Acq: 30 Jun 2025 17:35

Tgt Ion: 84 Resp: 21445
Ion Ratio Lower Upper
84 100
49 123.5 101.9 152.9
51 45.3 29.8 44.8#
86 57.0 51.3 76.9





#29

Tetrahydrofuran

Concen: 1.438 ug/l

RT: 7.268 min Scan# 910

Delta R.T. -0.000 min

Lab File: VY022886.D

Acq: 30 Jun 2025 17:35

Instrument :

MSVOA_Y

ClientSampleId :

TP-1-VOC

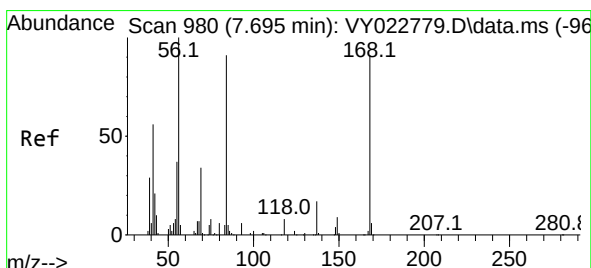
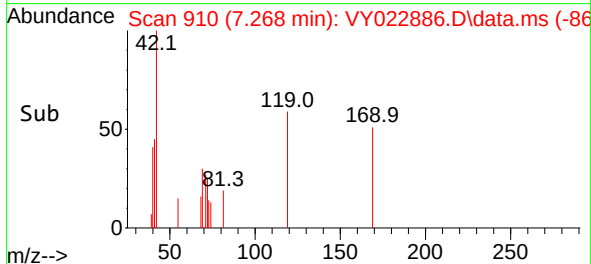
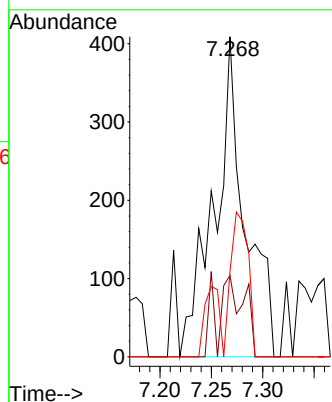
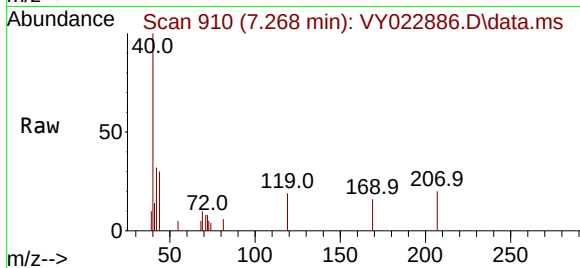
Tgt Ion: 42 Resp: 850

Ion Ratio Lower Upper

42 100

72 17.6 37.4 56.2#

71 25.8 34.2 51.2#



#31

Cyclohexane

Concen: 1.344 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.006 min

Lab File: VY022886.D

Acq: 30 Jun 2025 17:35

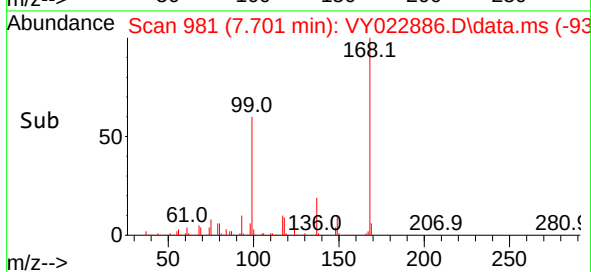
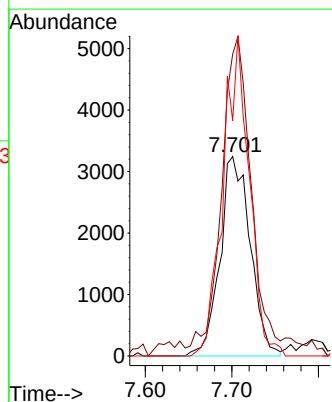
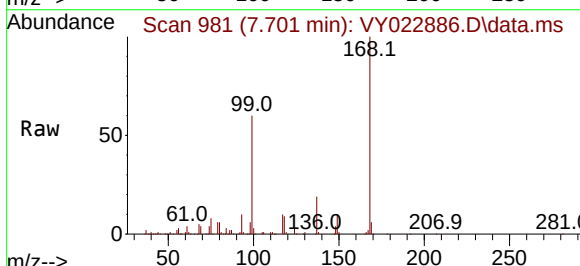
Tgt Ion: 56 Resp: 7852

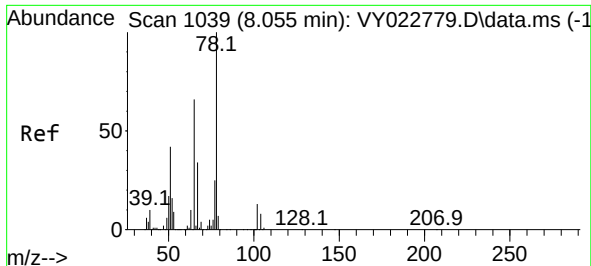
Ion Ratio Lower Upper

56 100

69 143.9 27.0 40.6#

84 118.0 72.6 109.0#





#33

1,2-Dichloroethane-d4

Concen: 49.981 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022886.D

Acq: 30 Jun 2025 17:35

Instrument :

MSVOA_Y

ClientSampleId :

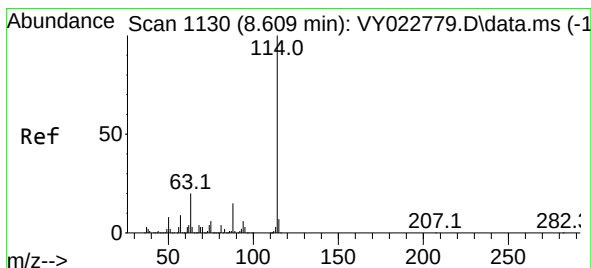
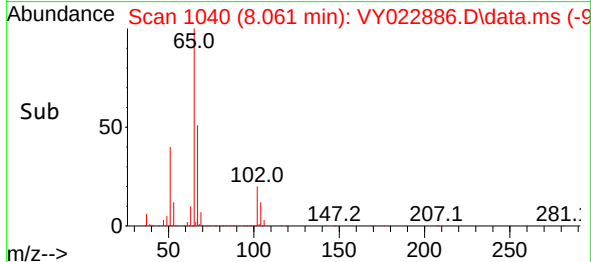
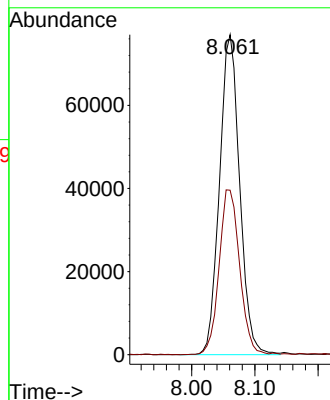
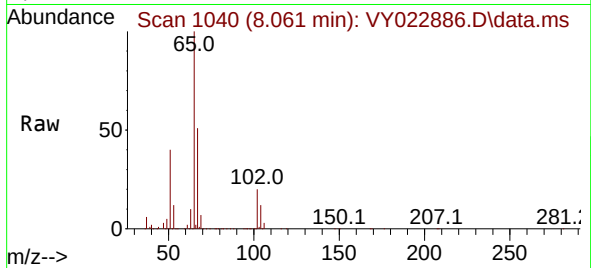
TP-1-VOC

Tgt Ion: 65 Resp: 170037

Ion Ratio Lower Upper

65 100

67 52.5 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022886.D

Acq: 30 Jun 2025 17:35

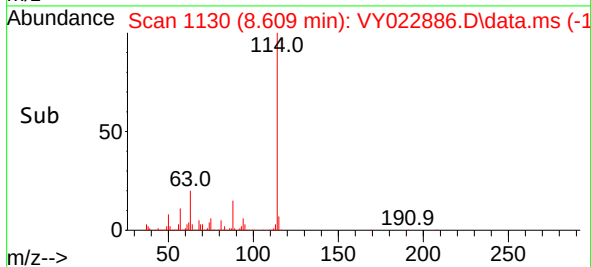
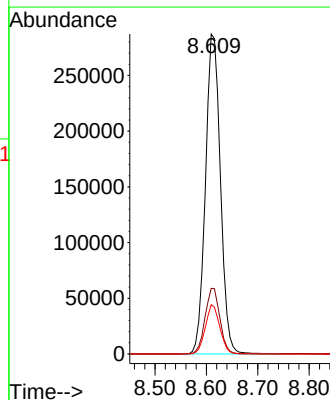
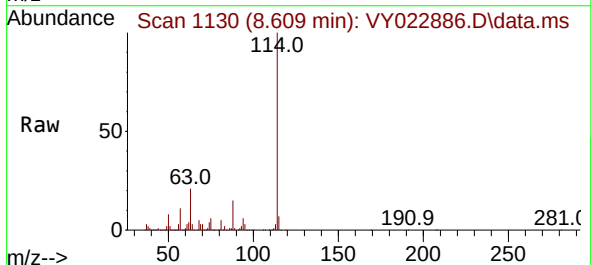
Tgt Ion:114 Resp: 580674

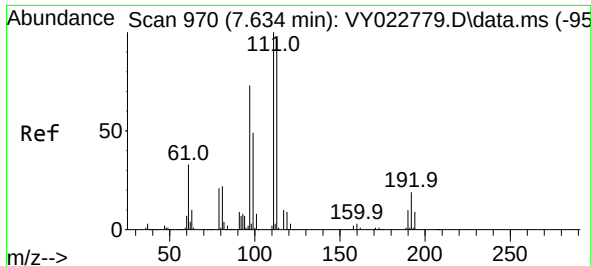
Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.8

88 15.4 0.0 27.8

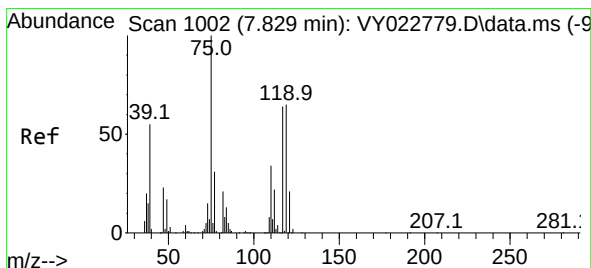
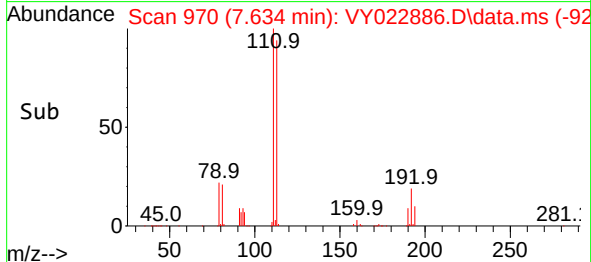
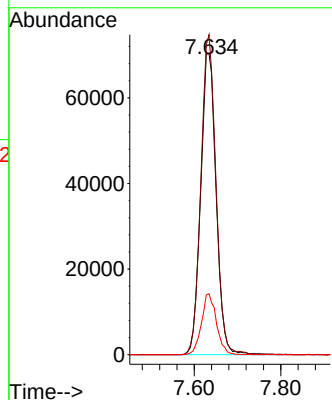
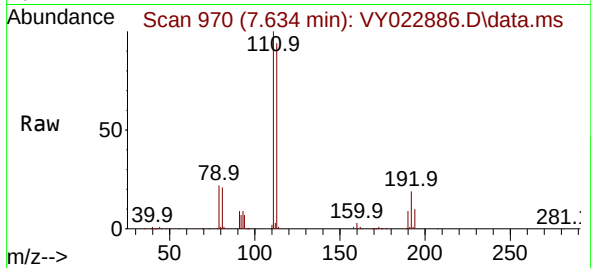




#35
Dibromofluoromethane
Concen: 49.356 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022886.D
Acq: 30 Jun 2025 17:35

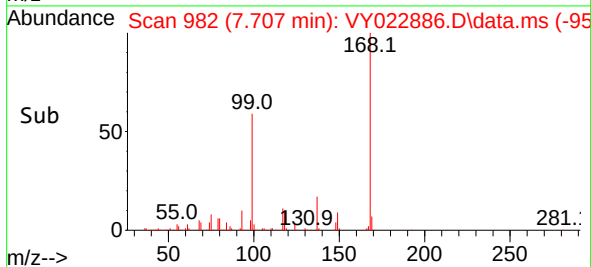
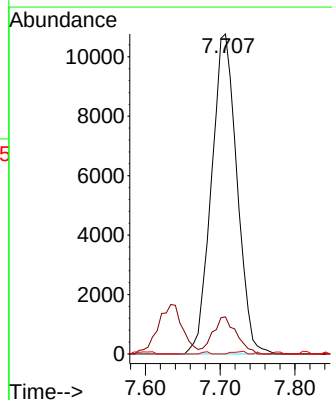
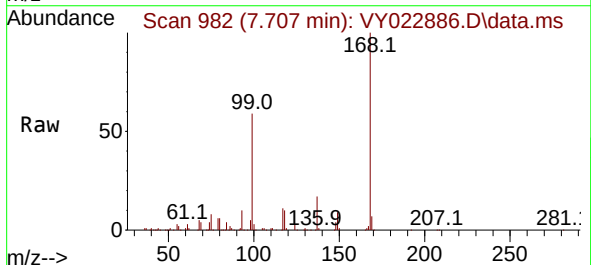
Instrument :
MSVOA_Y
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TP-1-VOC

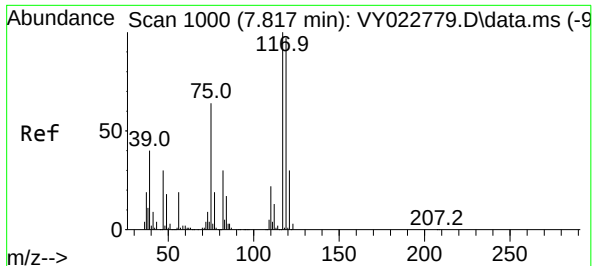
Tgt Ion:113 Resp: 174294
Ion Ratio Lower Upper
113 100
111 103.7 81.1 121.7
192 19.5 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.772 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022886.D
Acq: 30 Jun 2025 17:35

Tgt Ion: 75 Resp: 25543
Ion Ratio Lower Upper
75 100
110 10.8 16.9 50.7#
77 0.0 24.8 37.2#

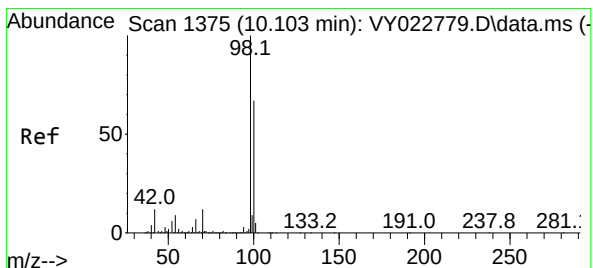
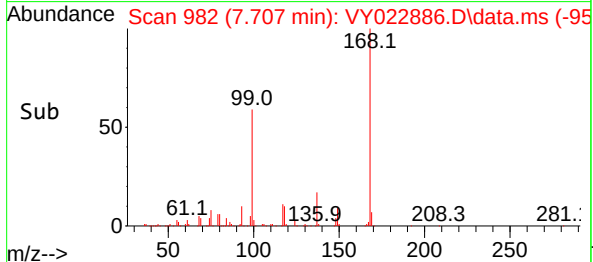
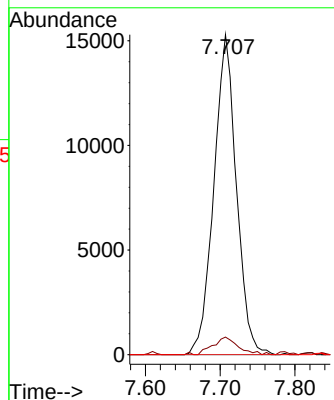
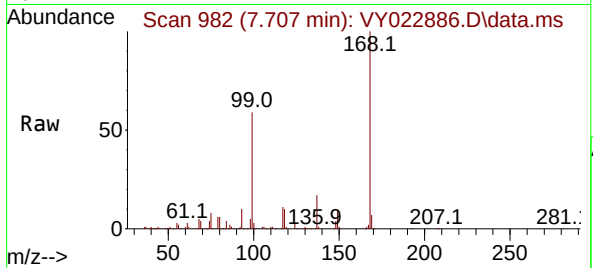




#38
Carbon Tetrachloride
Concen: 5.679 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022886.D
Acq: 30 Jun 2025 17:35

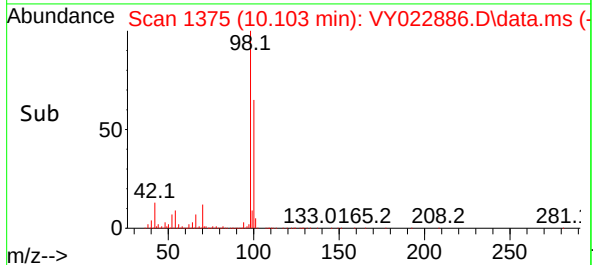
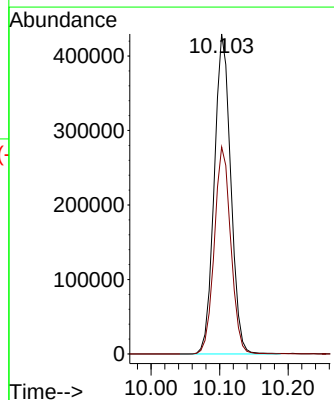
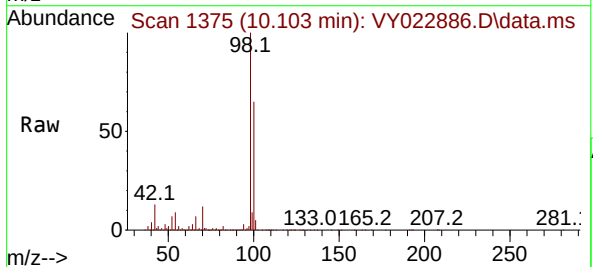
Instrument :
MSVOA_Y
ClientSampleId :
TP-1-VOC

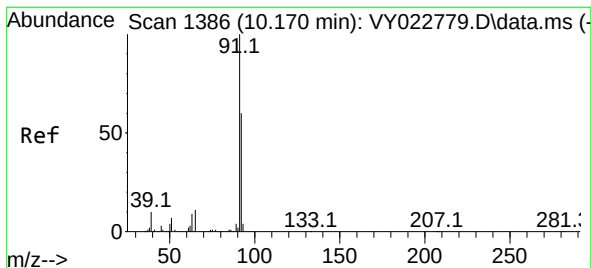
Tgt Ion:117 Resp: 32076
Ion Ratio Lower Upper
117 100
119 5.5 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 51.222 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022886.D
Acq: 30 Jun 2025 17:35

Tgt Ion: 98 Resp: 717777
Ion Ratio Lower Upper
98 100
100 64.5 51.4 77.0





#52

Toluene

Concen: 2.190 ug/l

RT: 10.170 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022886.D

Acq: 30 Jun 2025 17:35

Instrument :

MSVOA_Y

ClientSampleId :

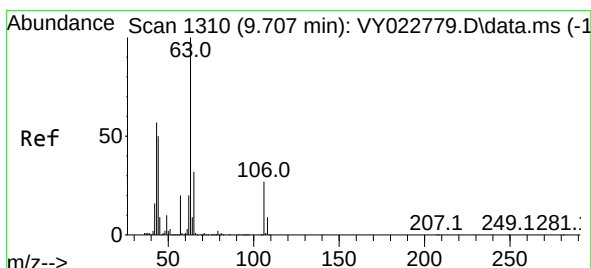
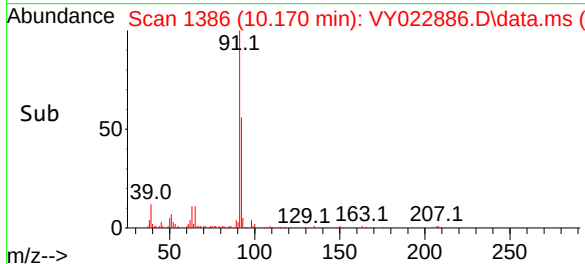
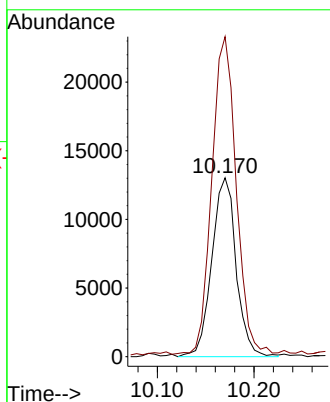
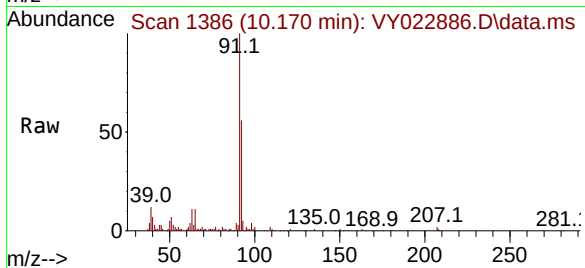
TP-1-VOC

Tgt Ion: 92 Resp: 22734

Ion Ratio Lower Upper

92 100

91 175.9 139.0 208.4



#58

2-Chloroethyl Vinyl ether

Concen: 15.681 ug/l

RT: 9.719 min Scan# 1312

Delta R.T. 0.006 min

Lab File: VY022886.D

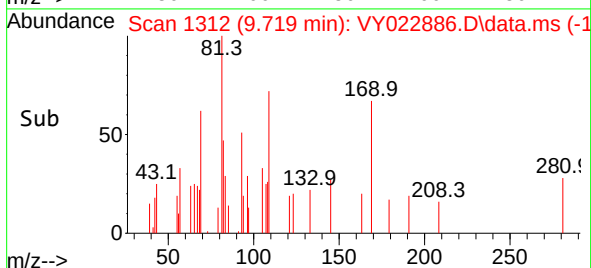
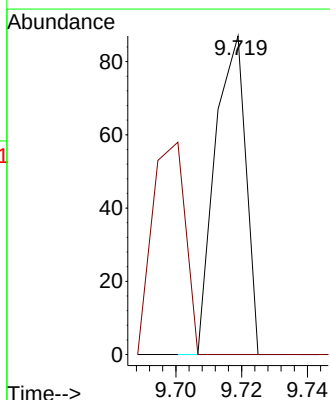
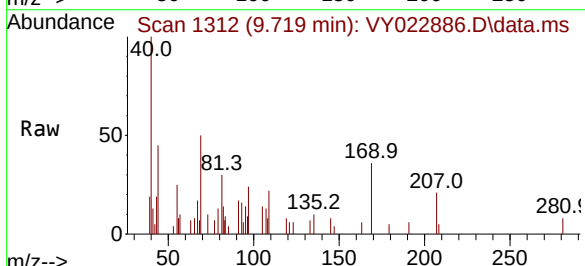
Acq: 30 Jun 2025 17:35

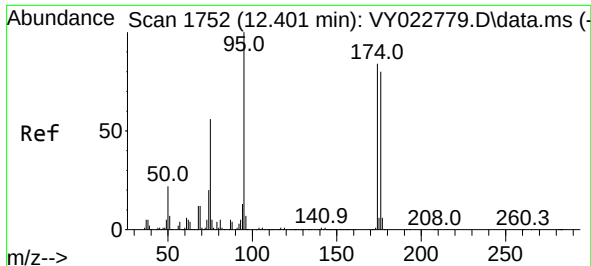
Tgt Ion: 63 Resp: 56

Ion Ratio Lower Upper

63 100

106 73.2 21.6 32.4#

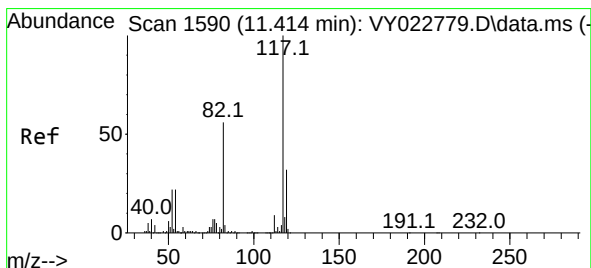
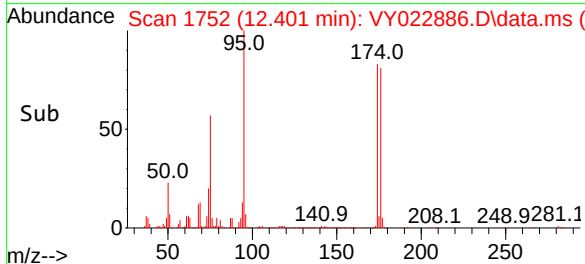
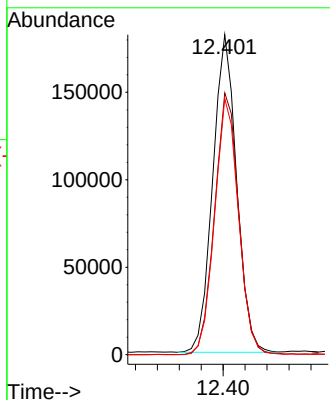
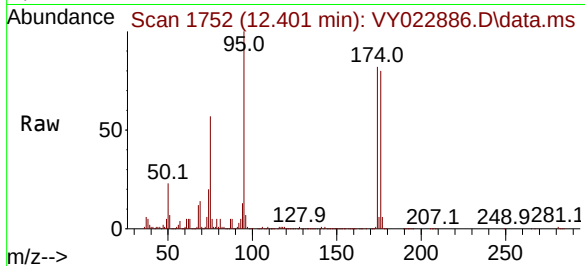




#62
4-Bromofluorobenzene
Concen: 60.890 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022886.D
Acq: 30 Jun 2025 17:35

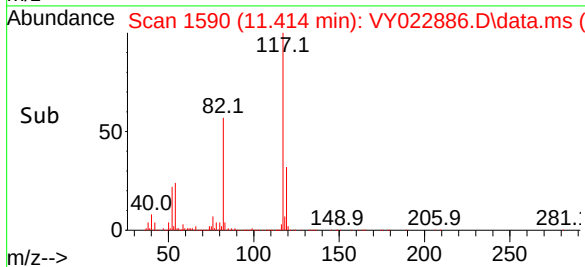
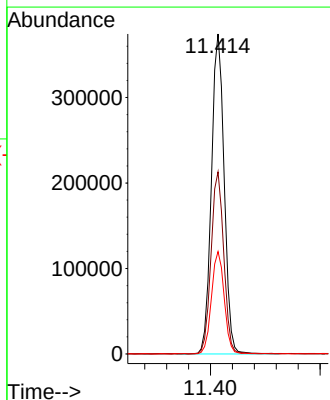
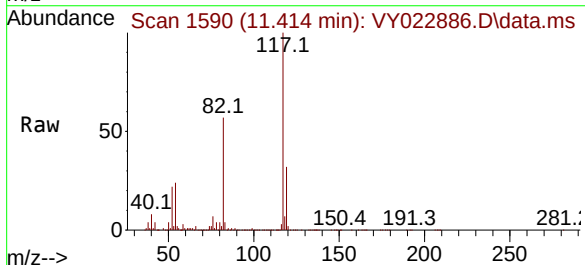
Instrument :
MSVOA_Y
ClientSampleId :
TP-1-VOC

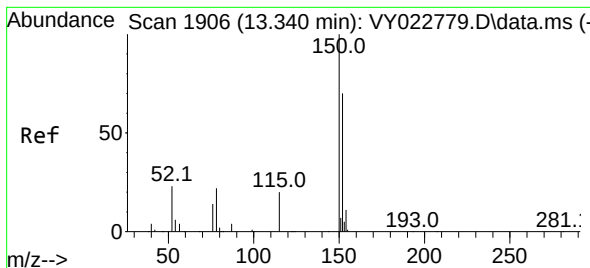
Tgt Ion: 95 Resp: 274295
Ion Ratio Lower Upper
95 100
174 83.7 0.0 170.0
176 80.8 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022886.D
Acq: 30 Jun 2025 17:35

Tgt Ion: 117 Resp: 602743
Ion Ratio Lower Upper
117 100
82 56.8 44.6 66.8
119 32.0 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1906

Delta R.T. -0.000 min

Lab File: VY022886.D

Acq: 30 Jun 2025 17:35

Instrument :

MSVOA_Y

ClientSampleId :

TP-1-VOC

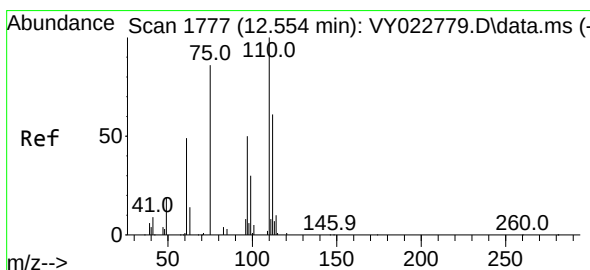
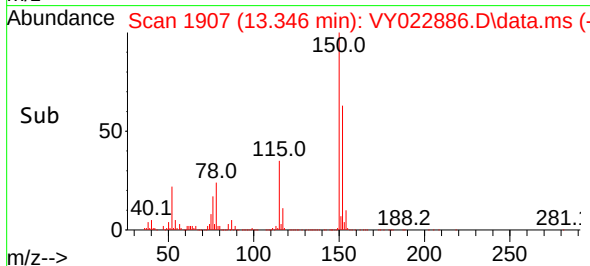
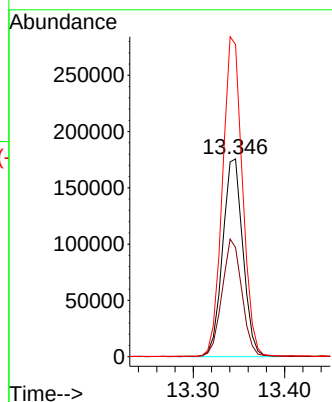
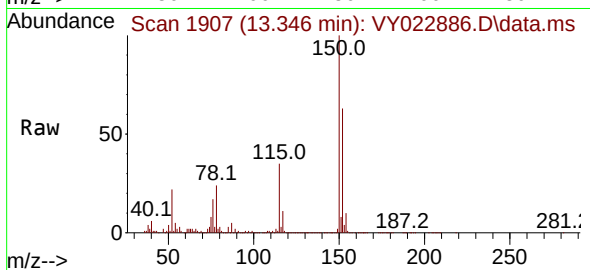
Tgt Ion:152 Resp: 271326

Ion Ratio Lower Upper

152 100

115 58.0 28.9 86.7

150 159.1 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 56.576 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022886.D

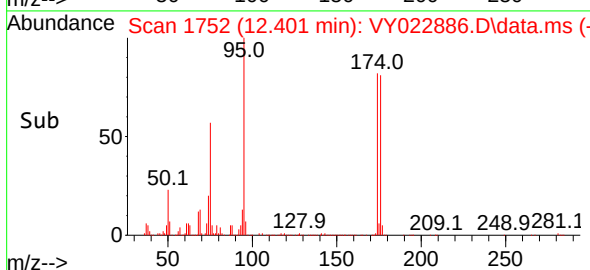
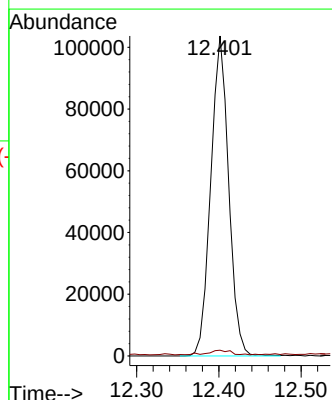
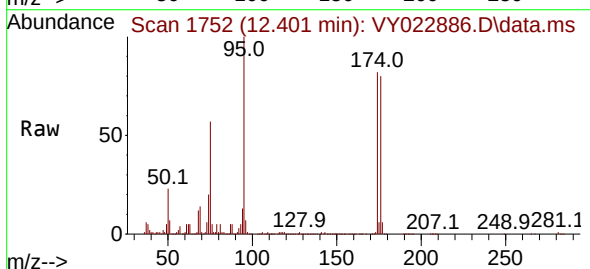
Acq: 30 Jun 2025 17:35

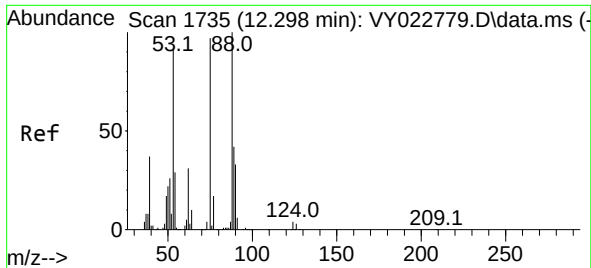
Tgt Ion: 75 Resp: 156715

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 142.932 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY022886.D
 Acq: 30 Jun 2025 17:35

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1-VOC

Tgt Ion: 75 Resp: 156715
 Ion Ratio Lower Upper
 75 100
 53 0.2 78.5 117.7#
 89 0.3 35.7 53.5#

