

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062725\
 Data File : VY022867.D
 Acq On : 27 Jun 2025 17:16
 Operator : SY/MD
 Sample : Q2452-03
 Misc : 4.75g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-5-VOC

Quant Time: Jun 27 23:20:59 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)

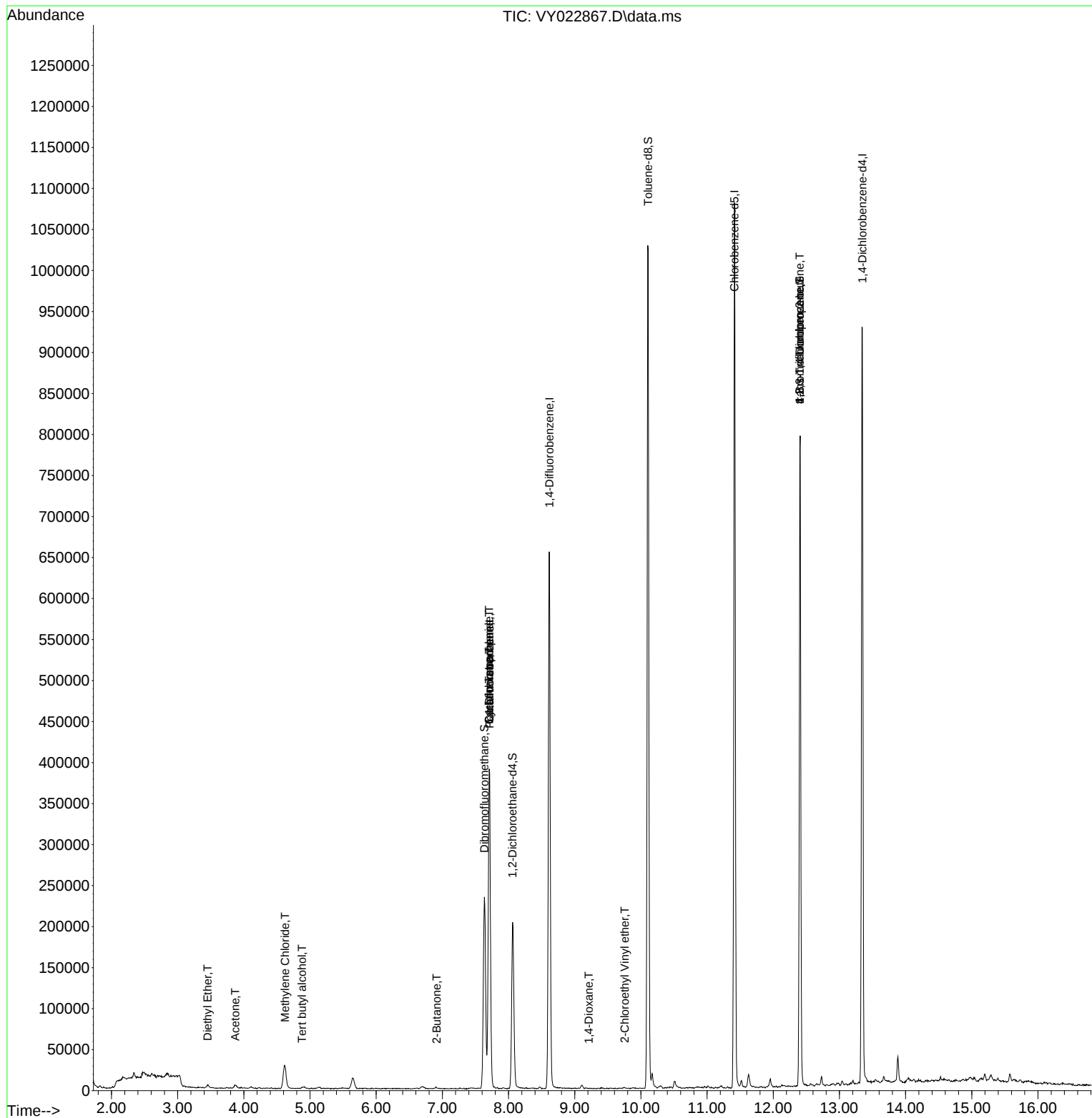
Internal Standards						
1) Pentafluorobenzene	7.713	168	291220	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	544878	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	533975	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	231581	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	157934	48.590	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.180%
35) Dibromofluoromethane	7.634	113	166342	50.198	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.400%
50) Toluene-d8	10.109	98	669904	50.946	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.900%
62) 4-Bromofluorobenzene	12.401	95	232095	54.907	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	109.820%
Target Compounds						Qvalue
8) Diethyl Ether	3.452	74	1887	1.161	ug/l	64
11) Tert butyl alcohol	4.878	59	401	1.855	ug/l #	73
16) Acetone	3.872	43	7397	12.041	ug/l	99
20) Methylene Chloride	4.622	84	21437	5.525	ug/l #	85
25) 2-Butanone	6.915	43	1344	1.503	ug/l #	74
31) Cyclohexane	7.707	56	7875	1.411	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	25552	5.087	ug/l #	50
38) Carbon Tetrachloride	7.707	117	29214	5.512	ug/l #	17
49) 1,4-Dioxane	9.213	88	29	1.196	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.756	63	28	15.669	ug/l #	48
76) 1,2,3-Trichloropropane	12.401	75	130579	55.231	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	130579	139.534	ug/l #	11

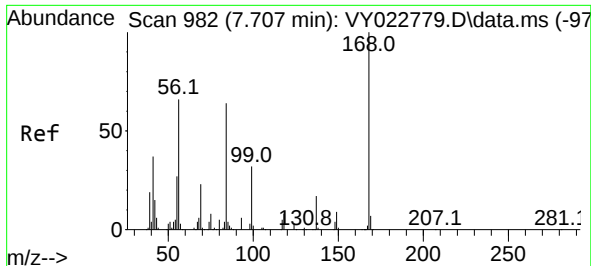
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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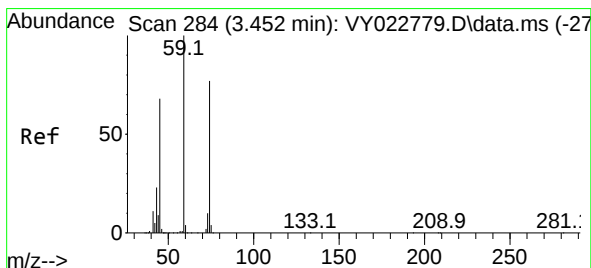
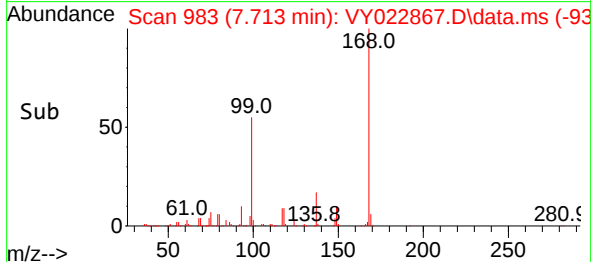
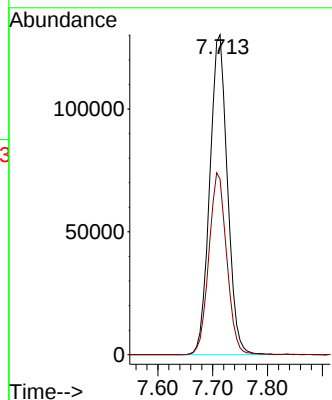
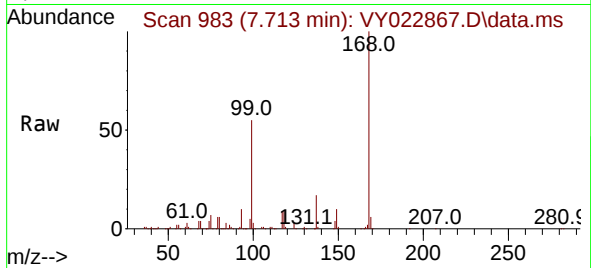




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022867.D
Acq: 27 Jun 2025 17:16

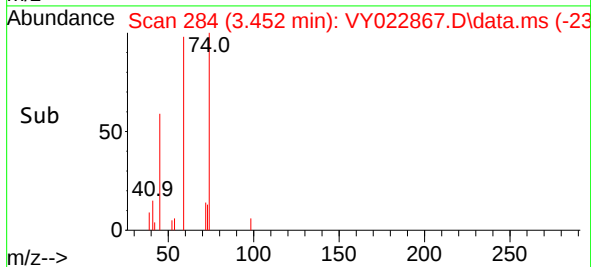
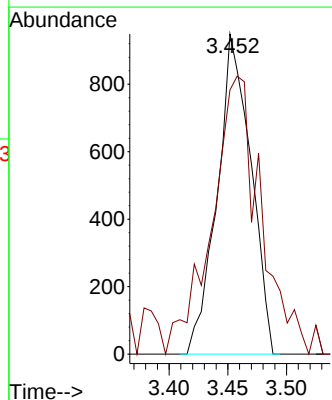
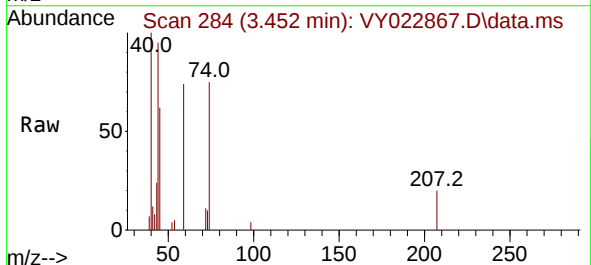
Instrument :
MSVOA_Y
ClientSampleId :
TP-5-VOC

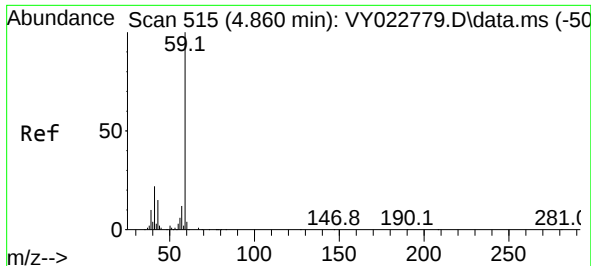
Tgt Ion:168 Resp: 291220
Ion Ratio Lower Upper
168 100
99 54.9 44.3 66.5



#8
Diethyl Ether
Concen: 1.161 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.012 min
Lab File: VY022867.D
Acq: 27 Jun 2025 17:16

Tgt Ion: 74 Resp: 1887
Ion Ratio Lower Upper
74 100
45 125.6 45.9 137.6





#11

Tert butyl alcohol

Concen: 1.855 ug/l

RT: 4.878 min Scan# 515

Delta R.T. -0.006 min

Lab File: VY022867.D

Acq: 27 Jun 2025 17:16

Instrument :

MSVOA_Y

ClientSampleId :

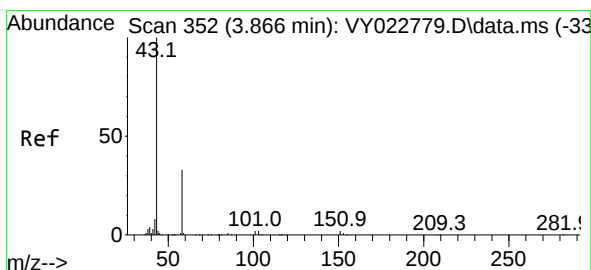
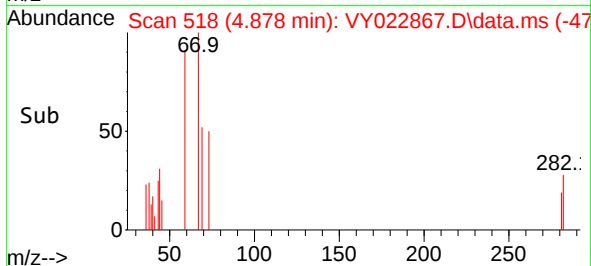
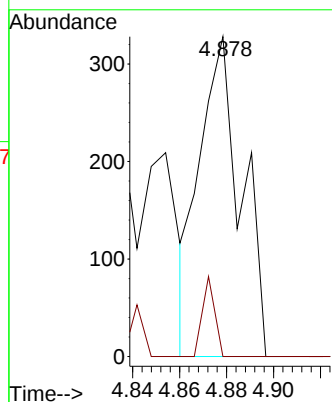
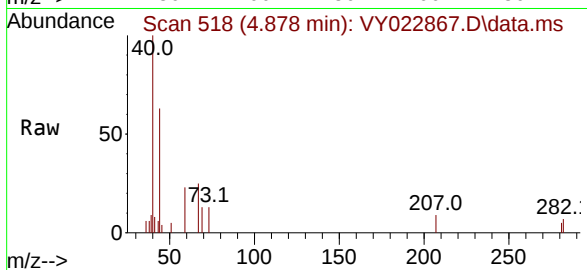
TP-5-VOC

Tgt Ion: 59 Resp: 401

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#



#16

Acetone

Concen: 12.041 ug/l

RT: 3.872 min Scan# 353

Delta R.T. -0.006 min

Lab File: VY022867.D

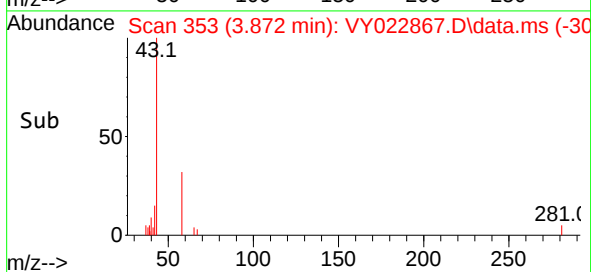
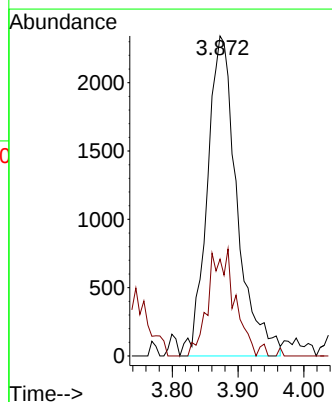
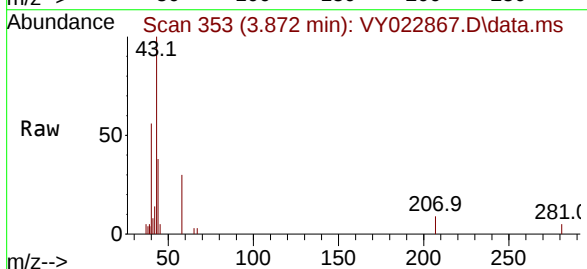
Acq: 27 Jun 2025 17:16

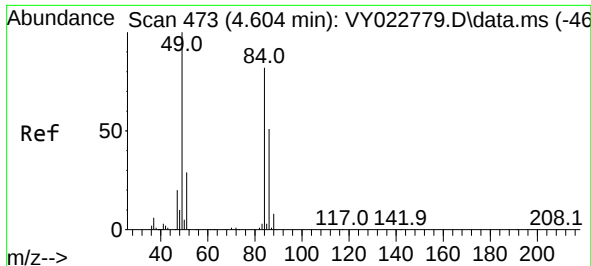
Tgt Ion: 43 Resp: 7397

Ion Ratio Lower Upper

43 100

58 30.3 24.0 36.0

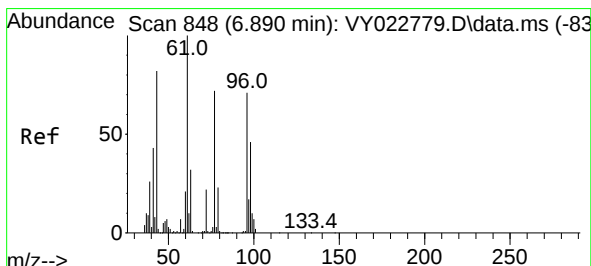
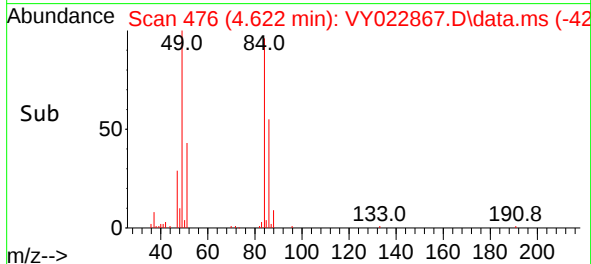
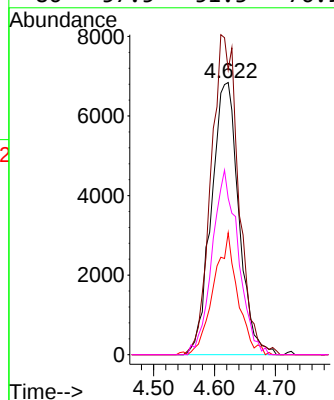
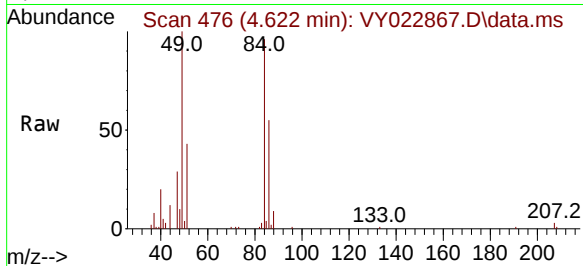




#20
Methylene Chloride
Concen: 5.525 ug/l
RT: 4.622 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY022867.D
Acq: 27 Jun 2025 17:16

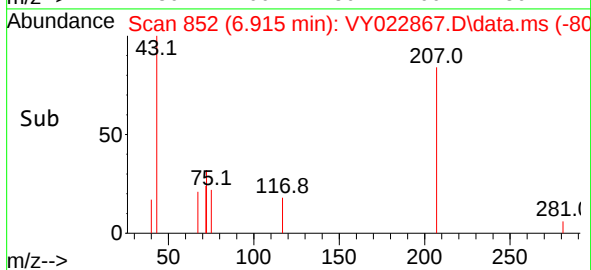
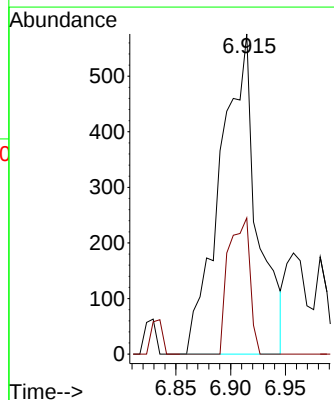
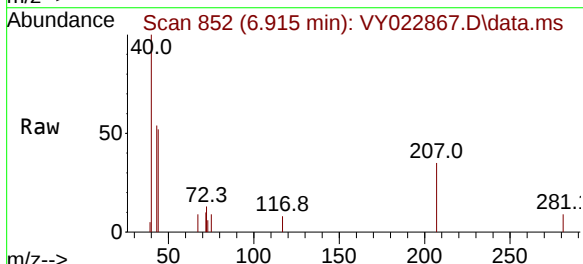
Instrument :
MSVOA_Y
ClientSampleId :
TP-5-VOC

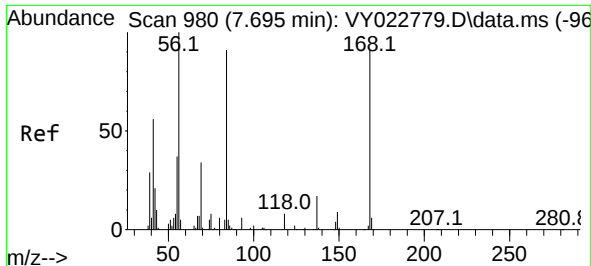
Tgt Ion:	84	Resp:	21437
Ion	Ratio	Lower	Upper
84	100		
49	104.6	101.9	152.9
51	44.8	29.8	44.8#
86	57.5	51.3	76.9



#25
2-Butanone
Concen: 1.503 ug/l
RT: 6.915 min Scan# 852
Delta R.T. 0.012 min
Lab File: VY022867.D
Acq: 27 Jun 2025 17:16

Tgt Ion:	43	Resp:	1344
Ion	Ratio	Lower	Upper
43	100		
72	42.5	22.9	34.3#

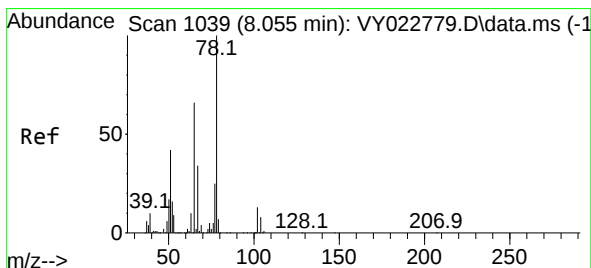
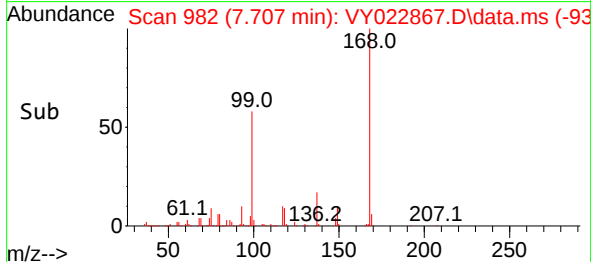
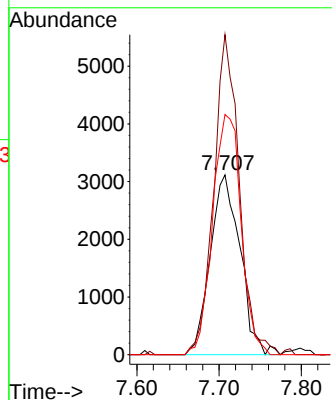
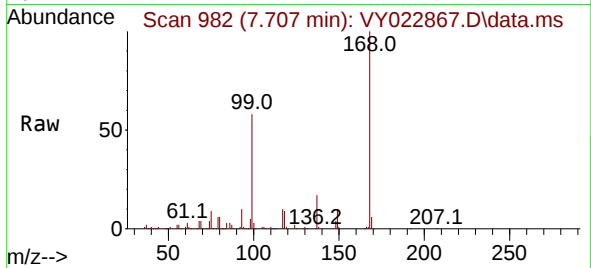




#31
Cyclohexane
Concen: 1.411 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022867.D
Acq: 27 Jun 2025 17:16

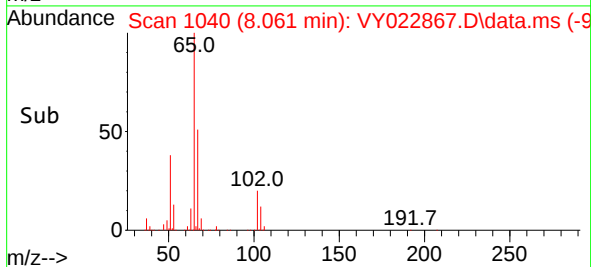
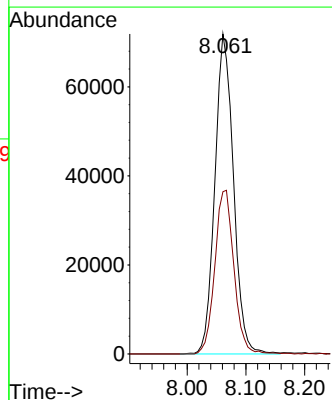
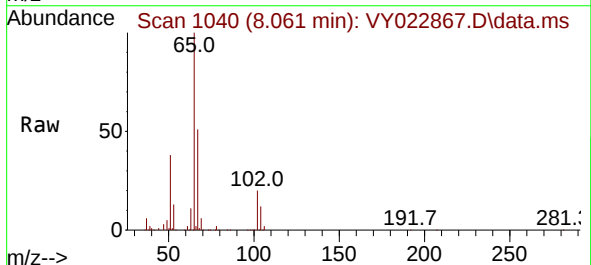
Instrument :
MSVOA_Y
ClientSampleId :
TP-5-VOC

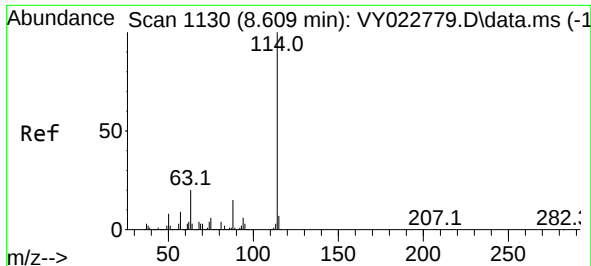
Tgt Ion: 56 Resp: 7875
Ion Ratio Lower Upper
56 100
69 177.9 27.0 40.6#
84 133.5 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 48.590 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022867.D
Acq: 27 Jun 2025 17:16

Tgt Ion: 65 Resp: 157934
Ion Ratio Lower Upper
65 100
67 52.5 0.0 103.4

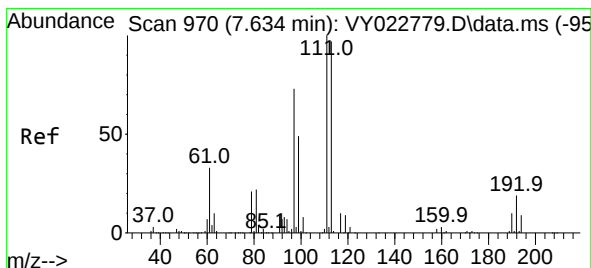
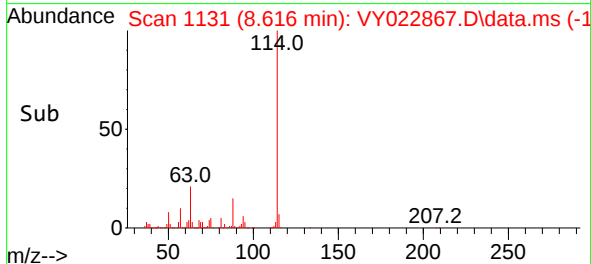
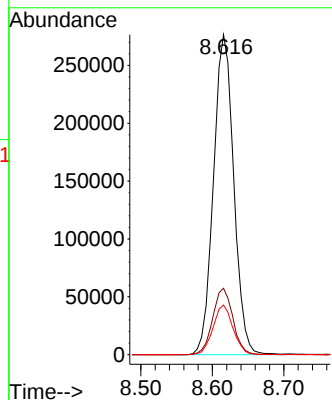
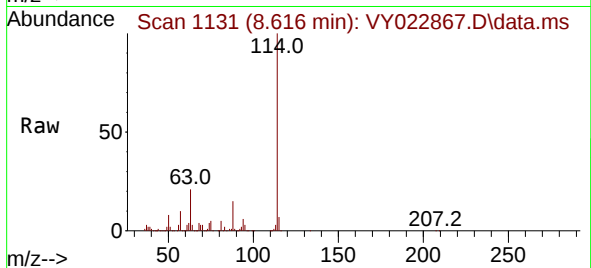




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022867.D
Acq: 27 Jun 2025 17:16

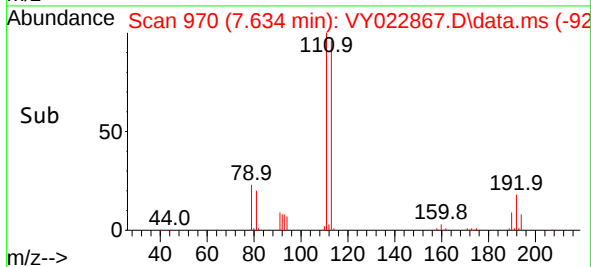
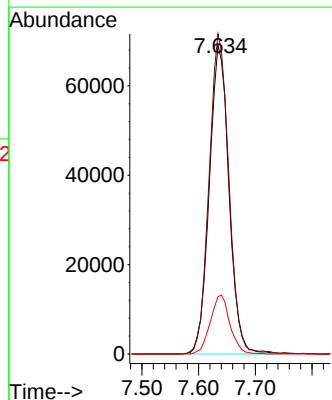
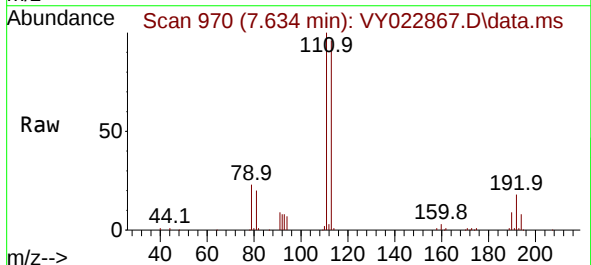
Instrument :
MSVOA_Y
ClientSampleId :
TP-5-VOC

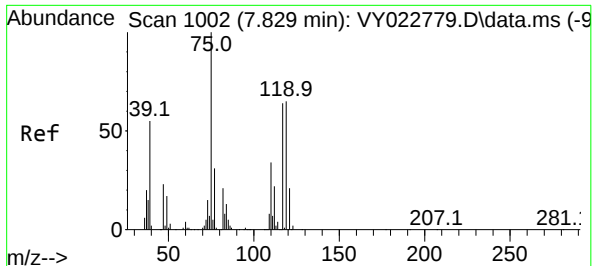
Tgt Ion:114 Resp: 544878
Ion Ratio Lower Upper
114 100
63 20.8 0.0 40.8
88 15.5 0.0 27.8



#35
Dibromofluoromethane
Concen: 50.198 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022867.D
Acq: 27 Jun 2025 17:16

Tgt Ion:113 Resp: 166342
Ion Ratio Lower Upper
113 100
111 104.5 81.1 121.7
192 19.0 14.2 21.2





#36

1,1-Dichloropropene

Concen: 5.087 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

Lab File: VY022867.D

Acq: 27 Jun 2025 17:16

Instrument :

MSVOA_Y

ClientSampleId :

TP-5-VOC

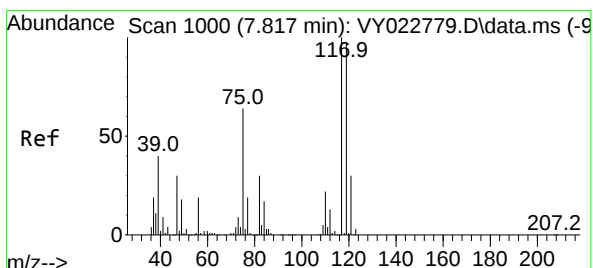
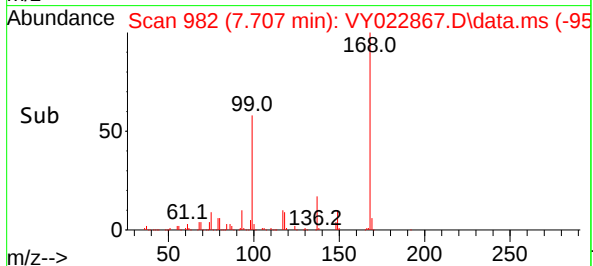
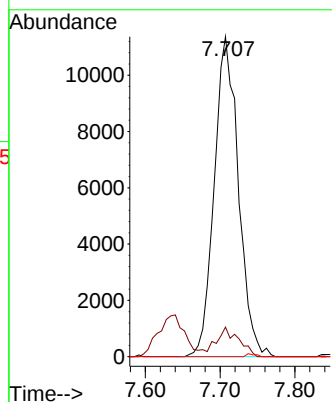
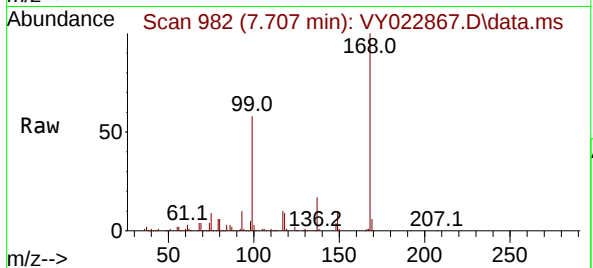
Tgt Ion: 75 Resp: 25552

Ion Ratio Lower Upper

75 100

110 8.9 16.9 50.7#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.512 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY022867.D

Acq: 27 Jun 2025 17:16

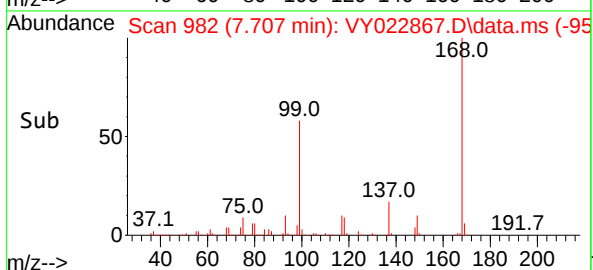
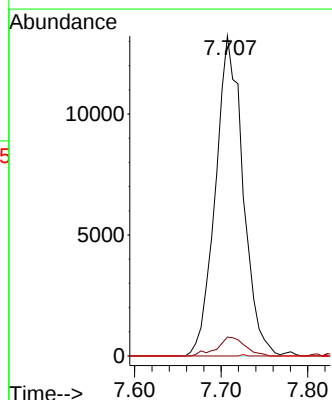
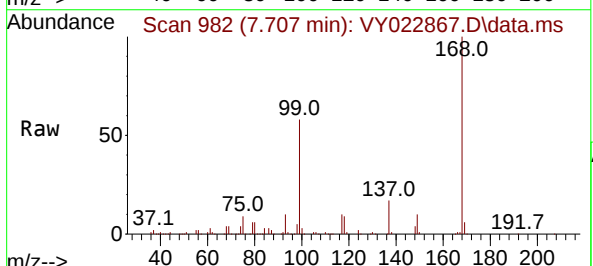
Tgt Ion: 117 Resp: 29214

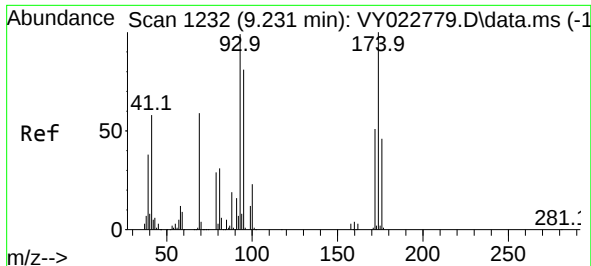
Ion Ratio Lower Upper

117 100

119 5.9 75.0 112.6#

121 0.0 25.0 37.4#





#49

1,4-Dioxane

Concen: 1.196 ug/l

RT: 9.213 min Scan# 11

Delta R.T. -0.031 min

Lab File: VY022867.D

Acq: 27 Jun 2025 17:16

Instrument :

MSVOA_Y

ClientSampleId :

TP-5-VOC

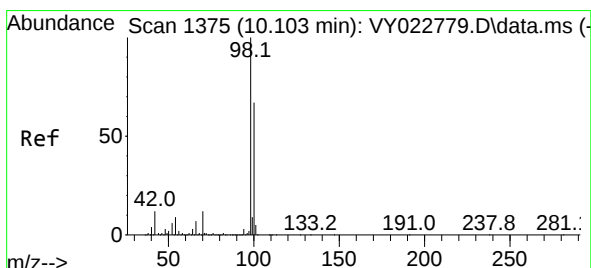
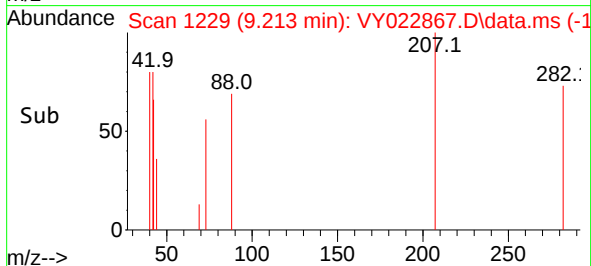
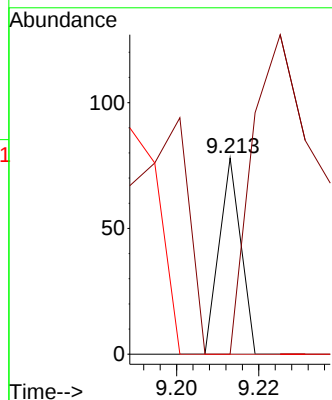
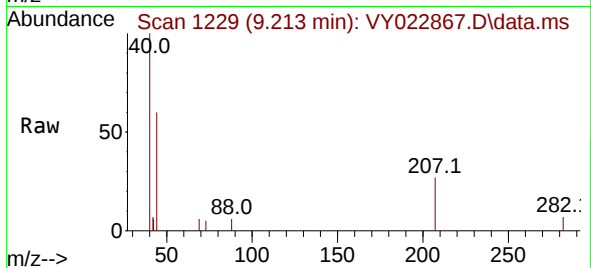
Tgt Ion: 88 Resp: 29

Ion Ratio Lower Upper

88 100

43 472.4 25.4 38.2#

58 0.0 54.9 82.3#



#50

Toluene-d8

Concen: 50.946 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY022867.D

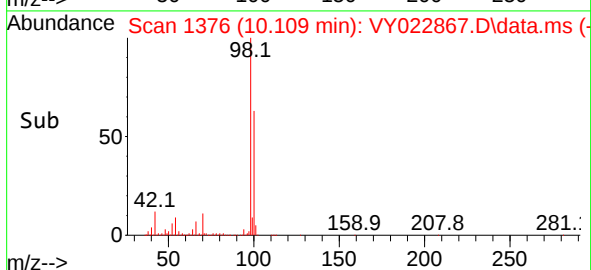
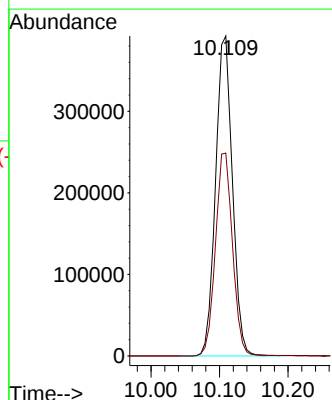
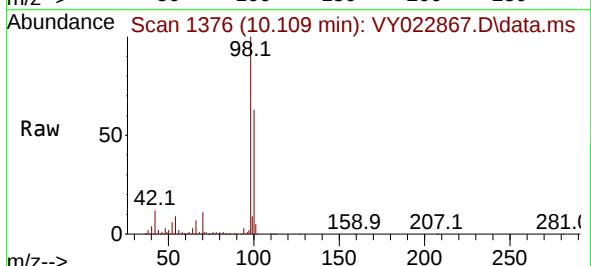
Acq: 27 Jun 2025 17:16

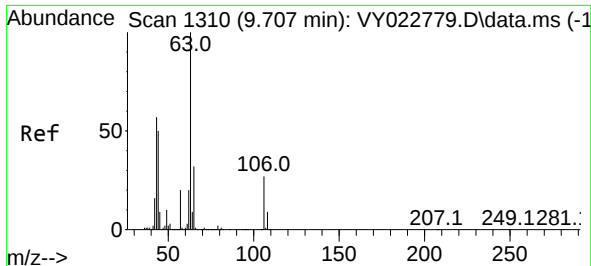
Tgt Ion: 98 Resp: 669904

Ion Ratio Lower Upper

98 100

100 64.4 51.4 77.0

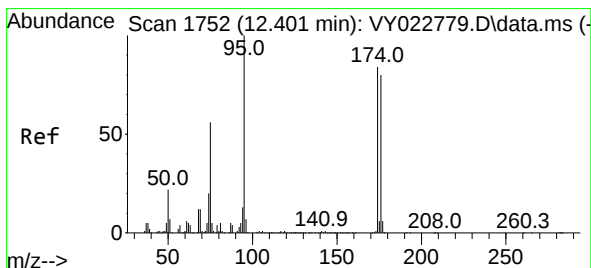
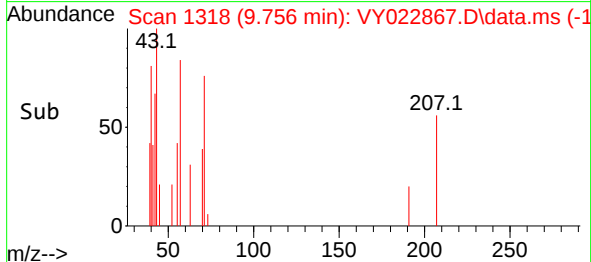
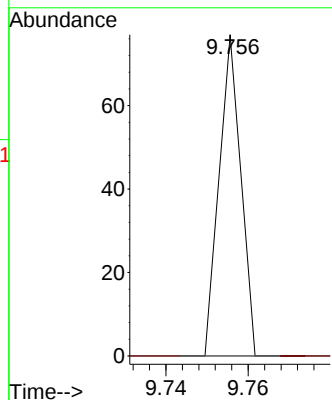
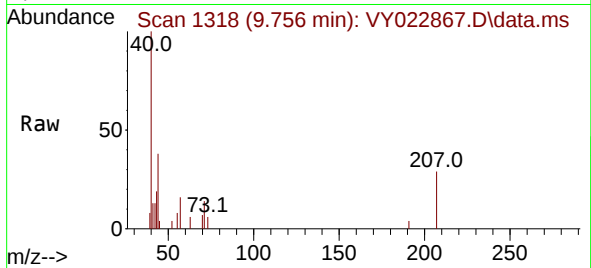




#58
2-Chloroethyl Vinyl ether
Concen: 15.669 ug/l
RT: 9.756 min Scan# 1318
Delta R.T. 0.043 min
Lab File: VY022867.D
Acq: 27 Jun 2025 17:16

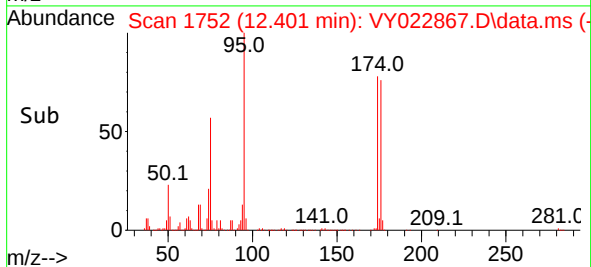
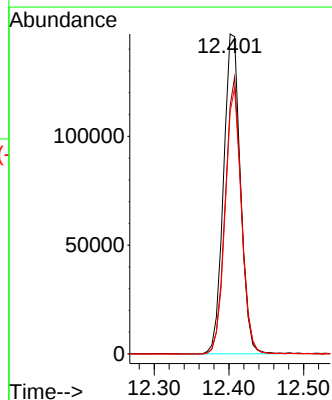
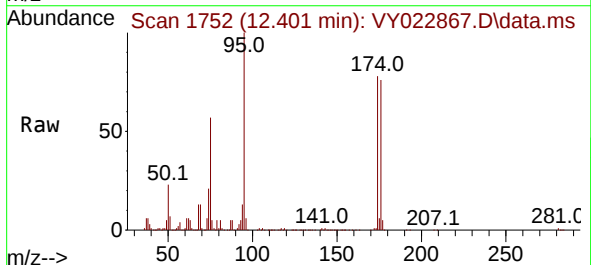
Instrument :
MSVOA_Y
ClientSampleId :
TP-5-VOC

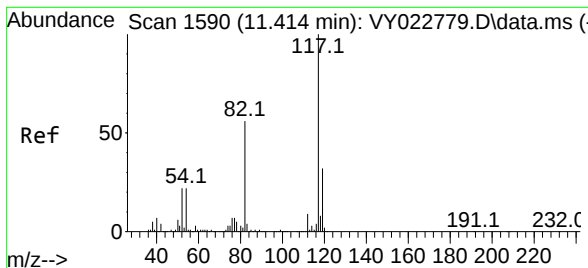
Tgt Ion: 63 Resp: 28
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#



#62
4-Bromofluorobenzene
Concen: 54.907 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022867.D
Acq: 27 Jun 2025 17:16

Tgt Ion: 95 Resp: 232095
Ion Ratio Lower Upper
95 100
174 82.7 0.0 170.0
176 79.8 0.0 166.2

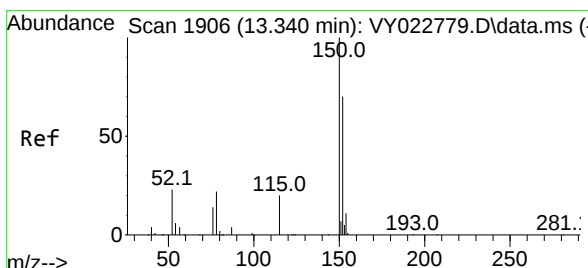
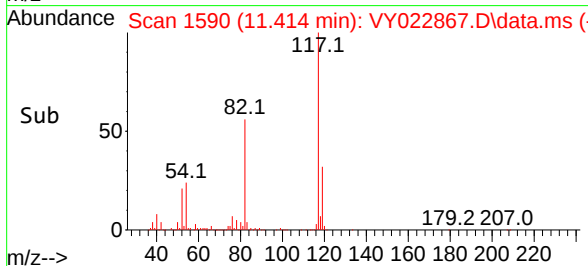
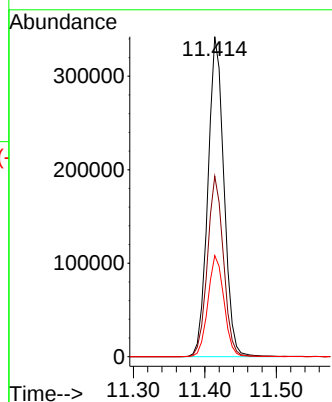
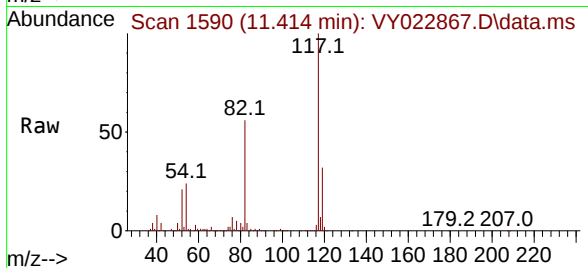




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY022867.D
Acq: 27 Jun 2025 17:16

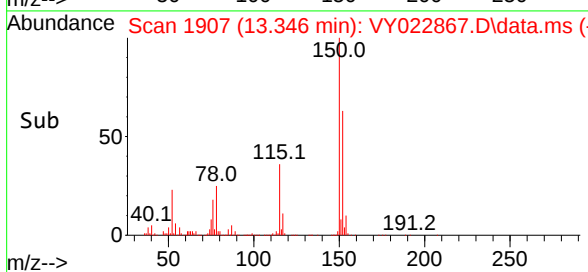
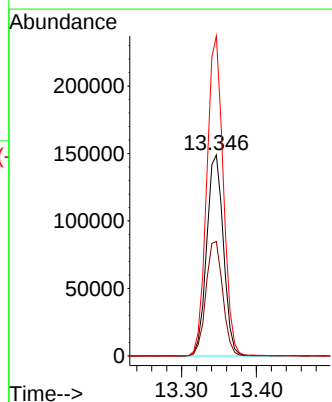
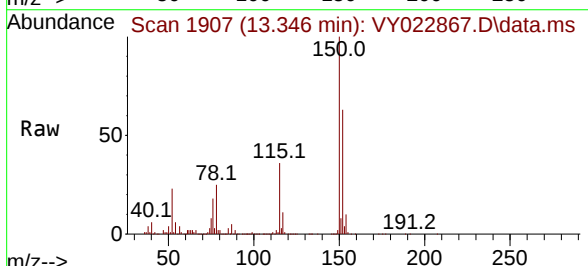
Instrument :
MSVOA_Y
ClientSampleId :
TP-5-VOC

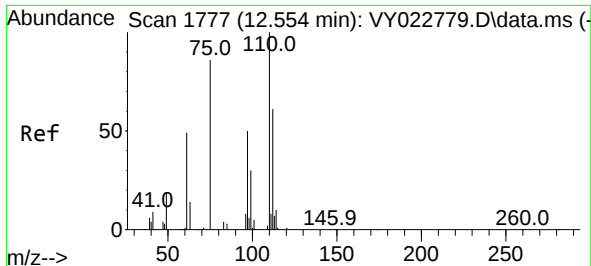
Tgt Ion:117 Resp: 533975
Ion Ratio Lower Upper
117 100
82 56.4 44.6 66.8
119 31.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022867.D
Acq: 27 Jun 2025 17:16

Tgt Ion:152 Resp: 231581
Ion Ratio Lower Upper
152 100
115 57.5 28.9 86.7
150 156.8 0.0 349.6

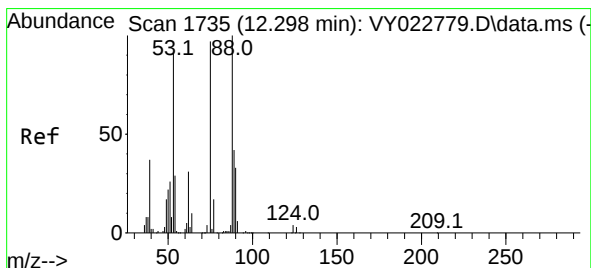
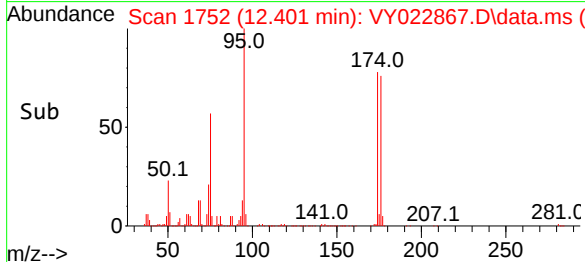
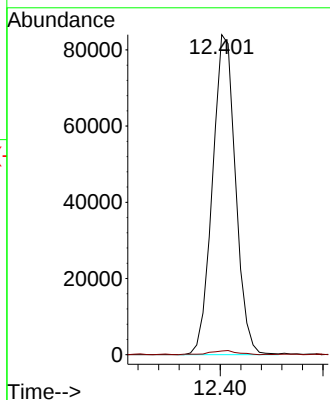
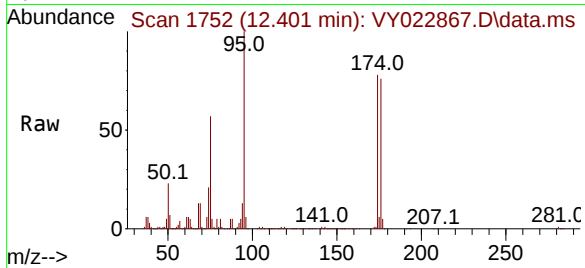




#76
1,2,3-Trichloropropane
Concen: 55.231 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.153 min
Lab File: VY022867.D
Acq: 27 Jun 2025 17:16

Instrument :
MSVOA_Y
ClientSampleId :
TP-5-VOC

Tgt Ion: 75 Resp: 130579
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 139.534 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY022867.D
Acq: 27 Jun 2025 17:16

Tgt Ion: 75 Resp: 130579
Ion Ratio Lower Upper
75 100
53 0.2 78.5 117.7#
89 0.1 35.7 53.5#

