

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
 Data File : VY022848.D
 Acq On : 26 Jun 2025 14:30
 Operator : SY/MD
 Sample : Q2429-03
 Misc : 6.11g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4-VOC

Quant Time: Jun 27 01:28:57 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	318083	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	583720	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	581430	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	267029	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	181272	51.061	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	102.120%
35) Dibromofluoromethane	7.634	113	181273	51.064	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.120%
50) Toluene-d8	10.109	98	713014	50.617	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.240%
62) 4-Bromofluorobenzene	12.408	95	263532	58.196	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	116.400%

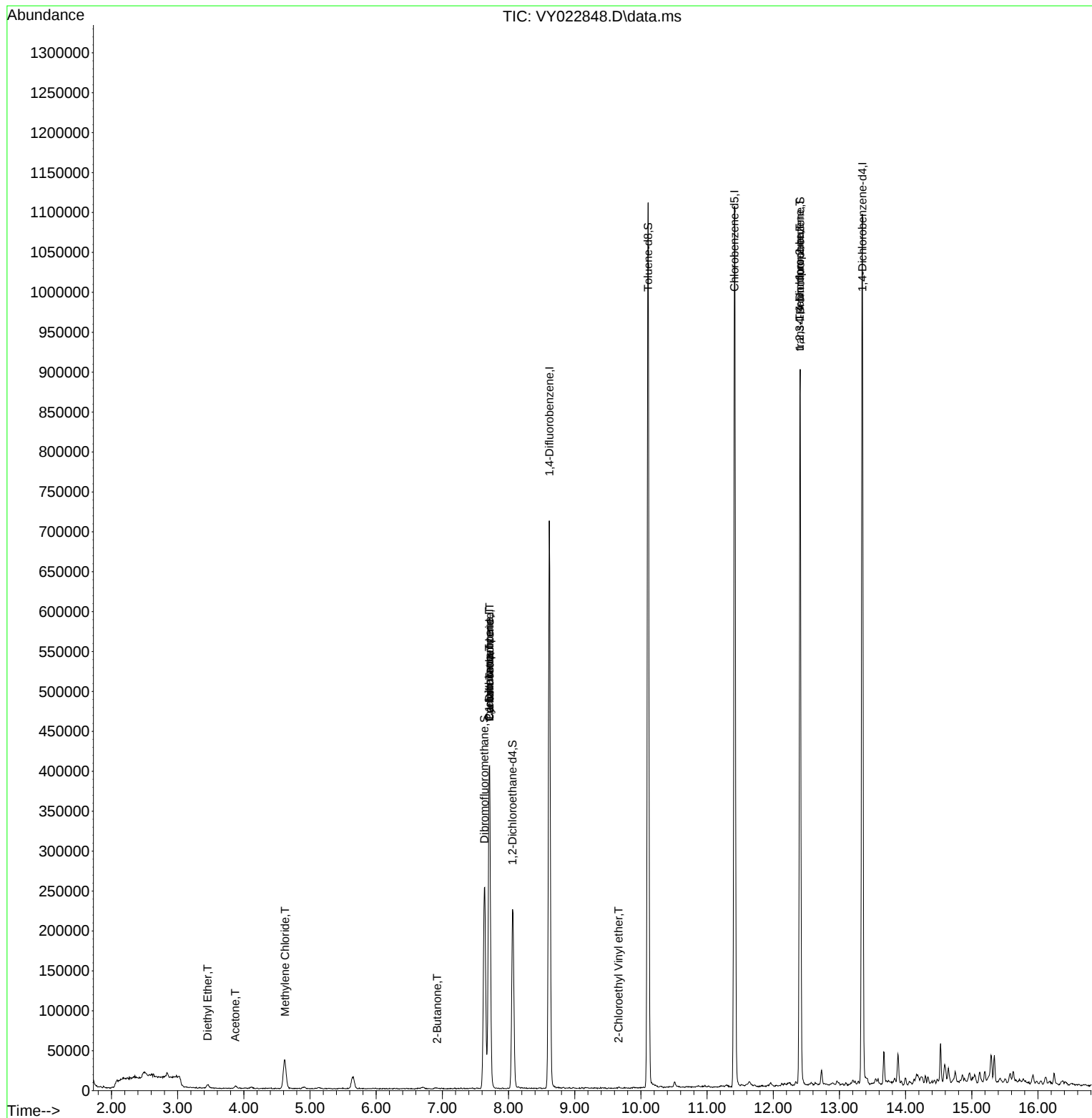
Target Compounds					Qvalue	
8) Diethyl Ether	3.452	74	2272	1.280	ug/l	88
16) Acetone	3.873	43	5680	8.465	ug/l #	87
20) Methylene Chloride	4.623	84	27272	6.436	ug/l	92
25) 2-Butanone	6.921	43	1494	1.530	ug/l #	75
31) Cyclohexane	7.707	56	7682	1.260	ug/l #	11
36) 1,1-Dichloropropene	7.707	75	26147	4.859	ug/l #	50
38) Carbon Tetrachloride	7.713	117	32533	5.730	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.664	63	60	15.683	ug/l #	48
76) 1,2,3-Trichloropropane	12.402	75	147712	54.184	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	147712	136.889	ug/l #	11

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

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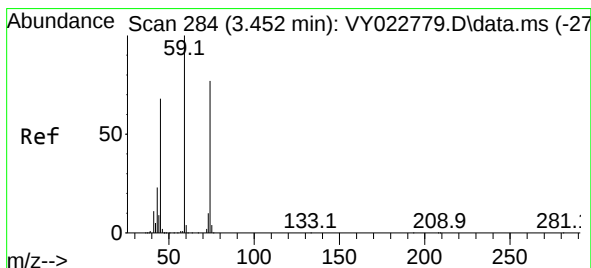
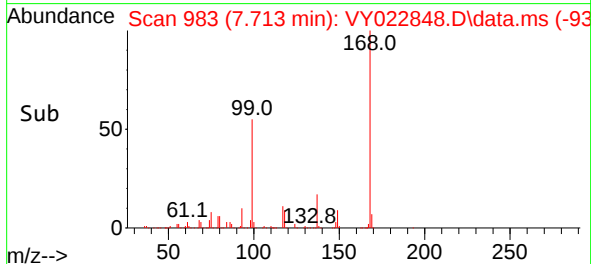
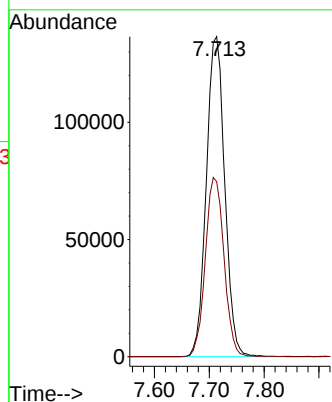
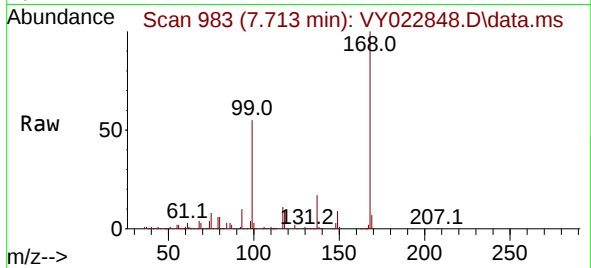




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022848.D
Acq: 26 Jun 2025 14:30

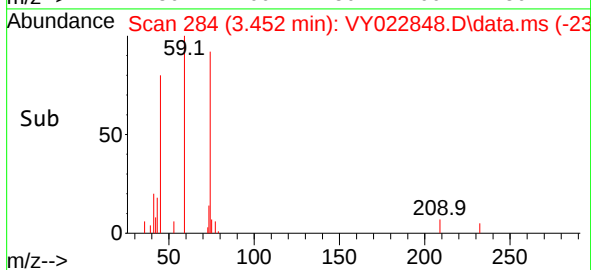
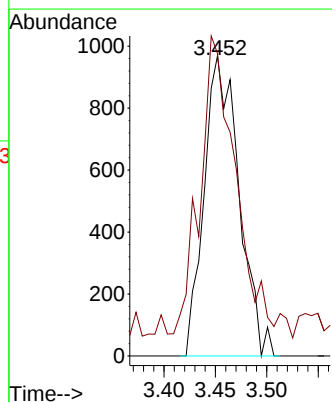
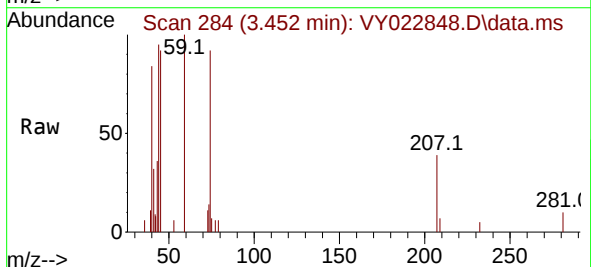
Instrument :
MSVOA_Y
ClientSampleId :
TP-4-VOC

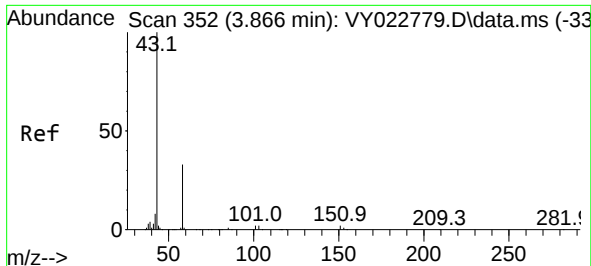
Tgt Ion:168 Resp: 318083
Ion Ratio Lower Upper
168 100
99 54.7 44.3 66.5



#8
Diethyl Ether
Concen: 1.280 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.012 min
Lab File: VY022848.D
Acq: 26 Jun 2025 14:30

Tgt Ion: 74 Resp: 2272
Ion Ratio Lower Upper
74 100
45 103.0 45.9 137.6

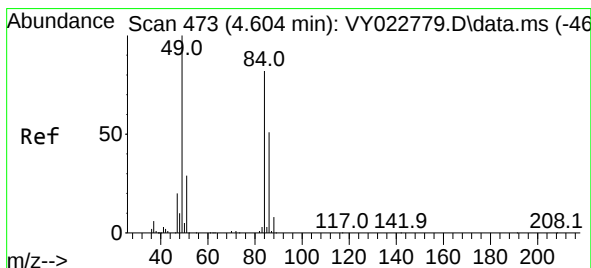
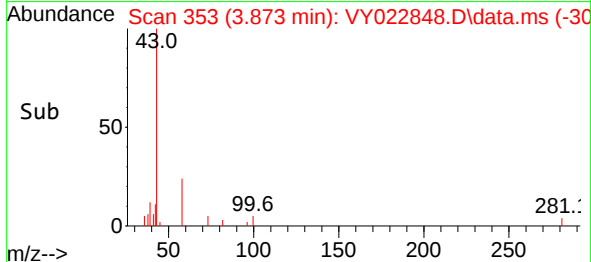
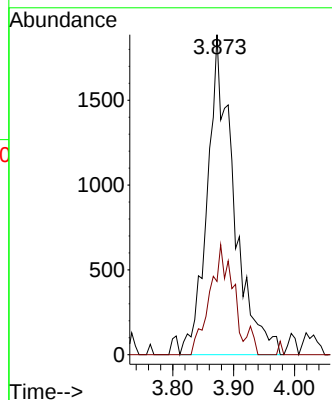
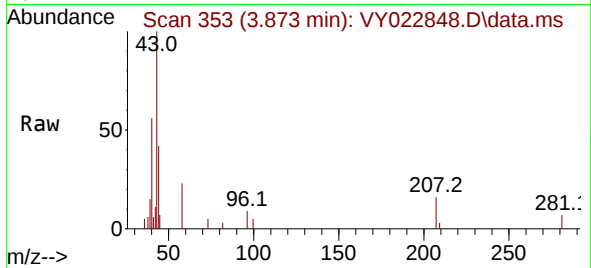




#16
Acetone
Concen: 8.465 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022848.D
Acq: 26 Jun 2025 14:30

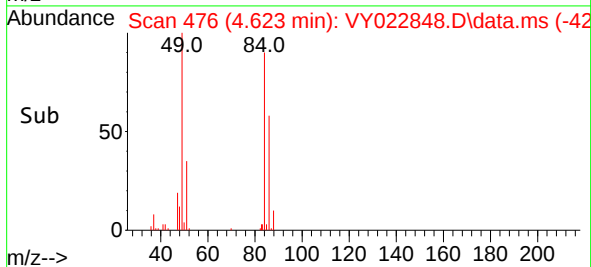
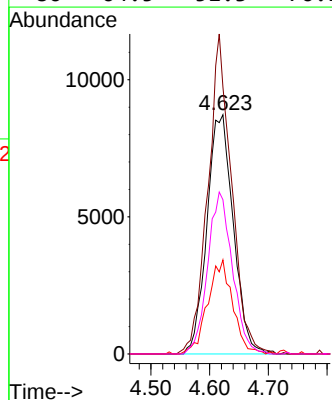
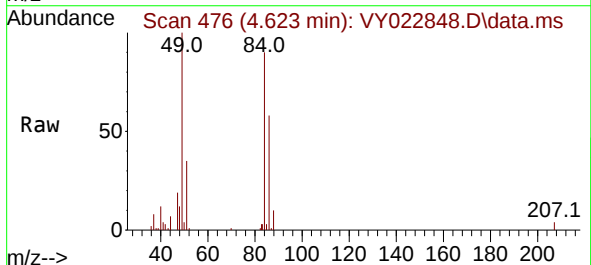
Instrument :
MSVOA_Y
ClientSampleId :
TP-4-VOC

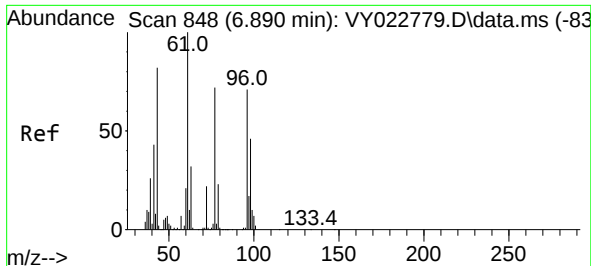
Tgt Ion: 43 Resp: 5680
Ion Ratio Lower Upper
43 100
58 22.9 24.0 36.0#



#20
Methylene Chloride
Concen: 6.436 ug/l
RT: 4.623 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY022848.D
Acq: 26 Jun 2025 14:30

Tgt Ion: 84 Resp: 27272
Ion Ratio Lower Upper
84 100
49 111.6 101.9 152.9
51 39.3 29.8 44.8
86 64.5 51.3 76.9

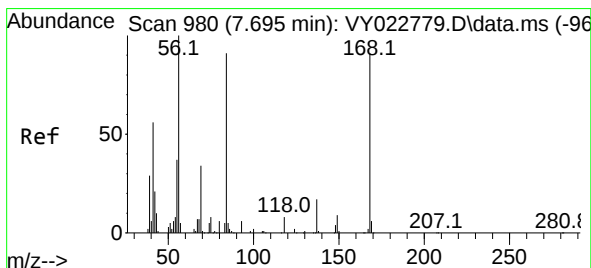
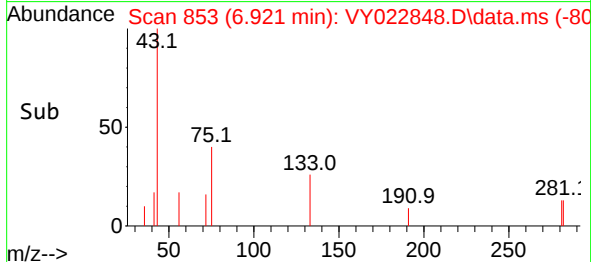
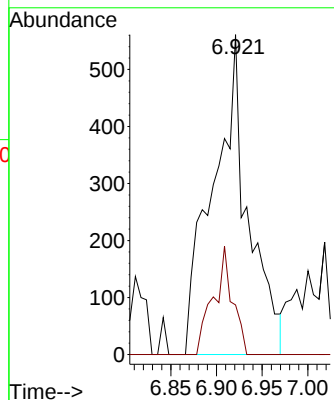
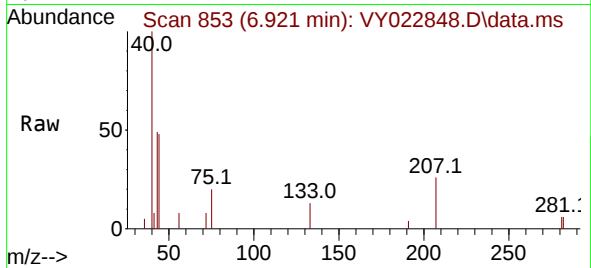




#25
2-Butanone
Concen: 1.530 ug/l
RT: 6.921 min Scan# 853
Delta R.T. 0.018 min
Lab File: VY022848.D
Acq: 26 Jun 2025 14:30

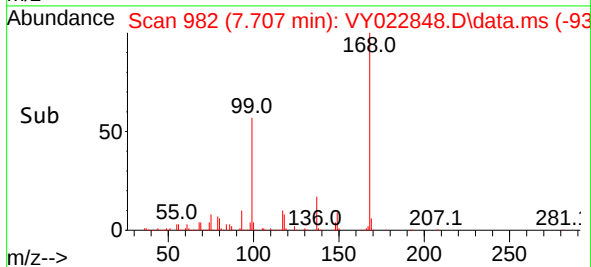
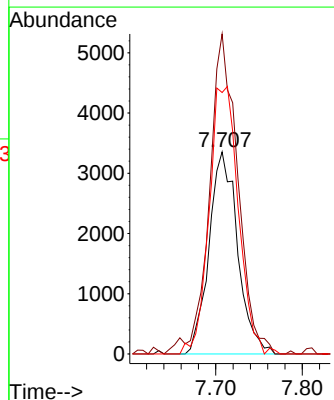
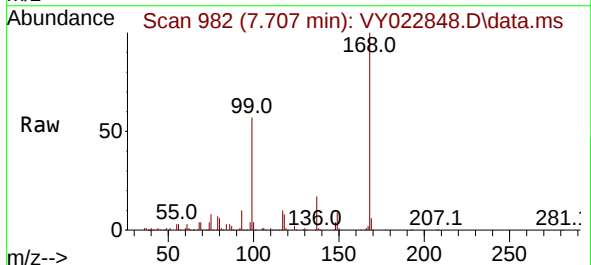
Instrument :
MSVOA_Y
ClientSampleId :
TP-4-VOC

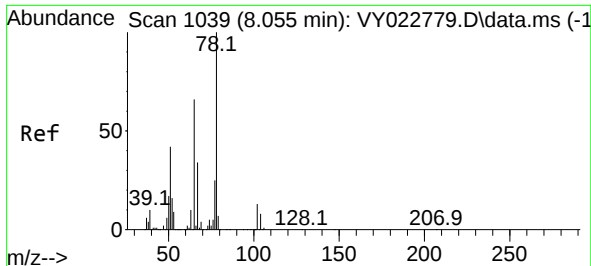
Tgt Ion: 43 Resp: 1494
Ion Ratio Lower Upper
43 100
72 15.5 22.9 34.3#



#31
Cyclohexane
Concen: 1.260 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022848.D
Acq: 26 Jun 2025 14:30

Tgt Ion: 56 Resp: 7682
Ion Ratio Lower Upper
56 100
69 158.3 27.0 40.6#
84 129.4 72.6 109.0#





#33

1,2-Dichloroethane-d4

Concen: 51.061 ug/l

RT: 8.061 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VY022848.D

Acq: 26 Jun 2025 14:30

Instrument :

MSVOA_Y

ClientSampleId :

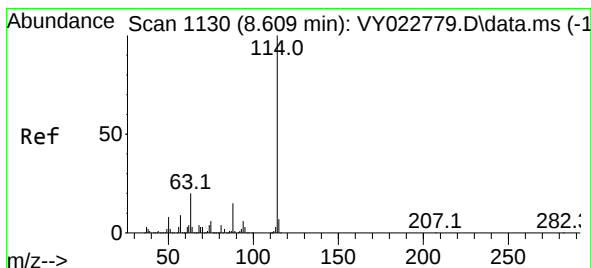
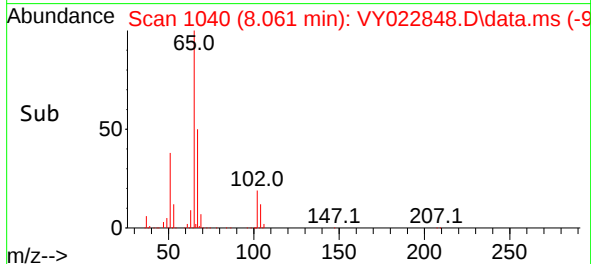
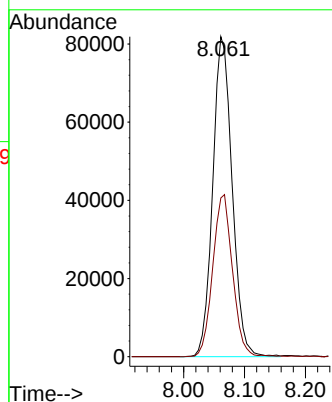
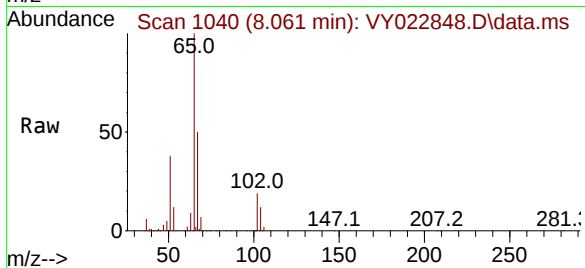
TP-4-VOC

Tgt Ion: 65 Resp: 181272

Ion Ratio Lower Upper

65 100

67 51.6 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: VY022848.D

Acq: 26 Jun 2025 14:30

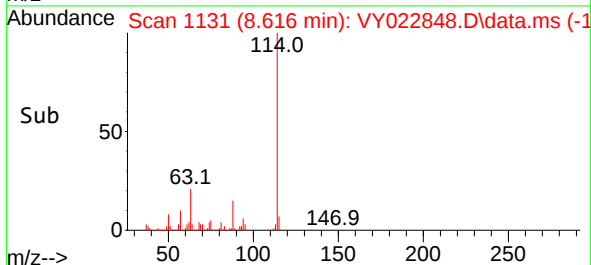
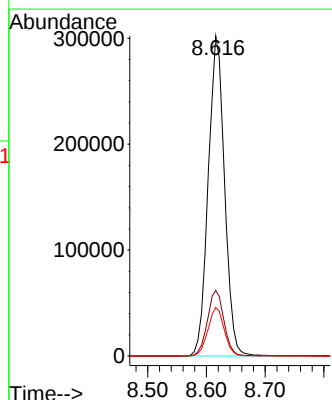
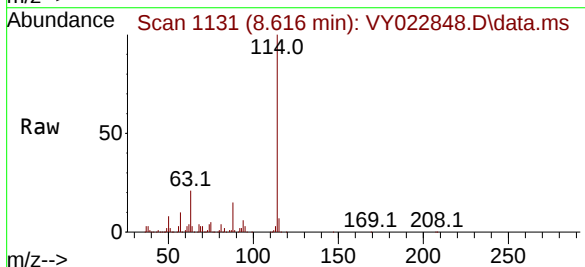
Tgt Ion: 114 Resp: 583720

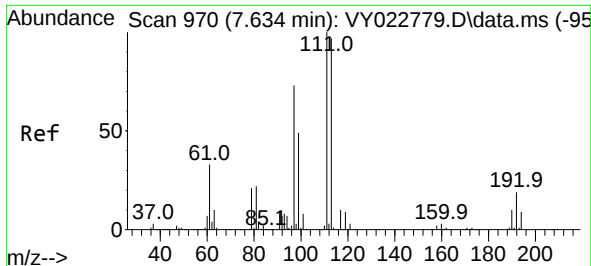
Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.8

88 15.1 0.0 27.8

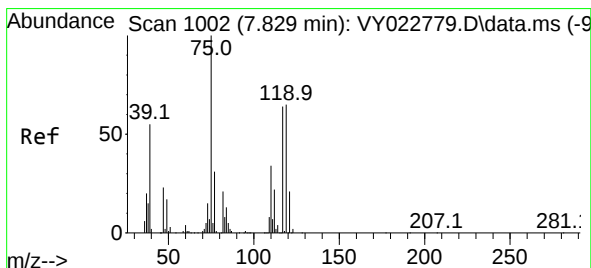
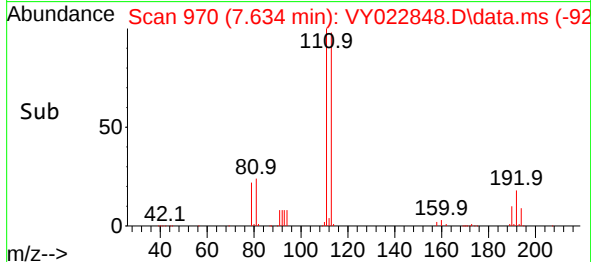
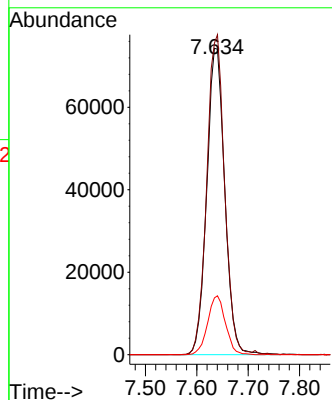
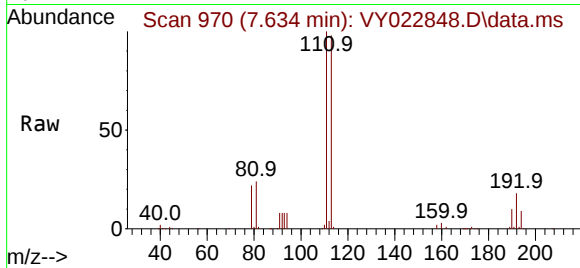




#35
Dibromofluoromethane
Concen: 51.064 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022848.D
Acq: 26 Jun 2025 14:30

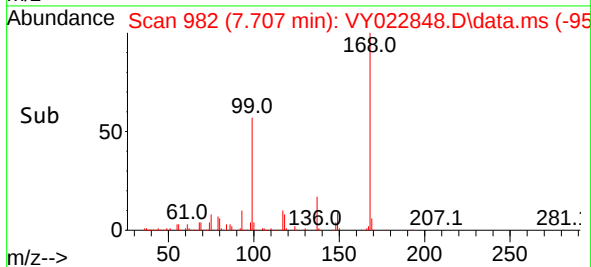
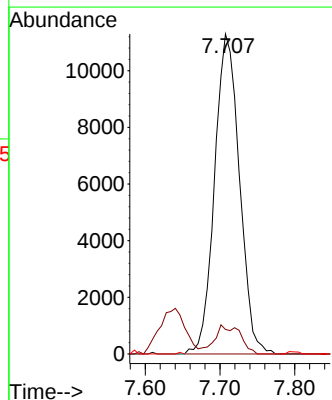
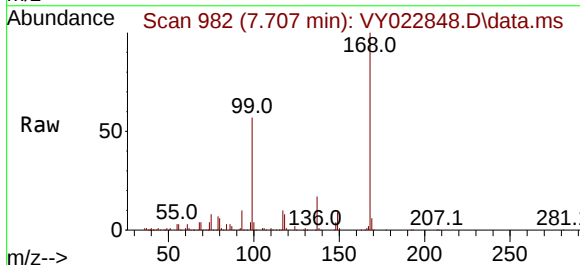
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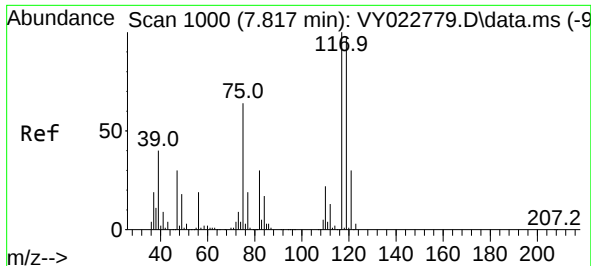
Tgt Ion:113 Resp: 181273
Ion Ratio Lower Upper
113 100
111 103.8 81.1 121.7
192 19.0 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.859 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022848.D
Acq: 26 Jun 2025 14:30

Tgt Ion: 75 Resp: 26147
Ion Ratio Lower Upper
75 100
110 9.0 16.9 50.7#
77 0.0 24.8 37.2#

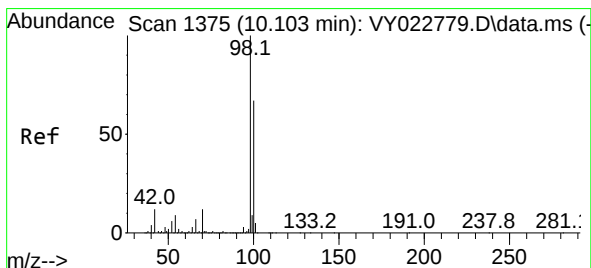
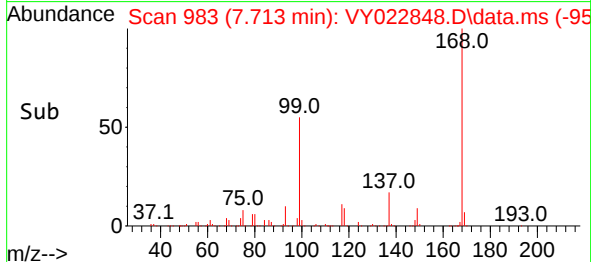
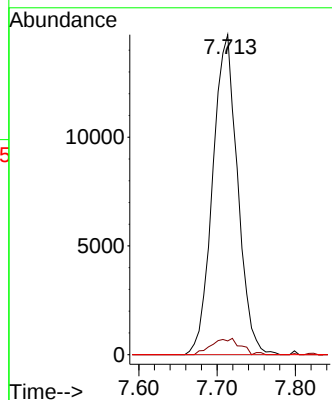
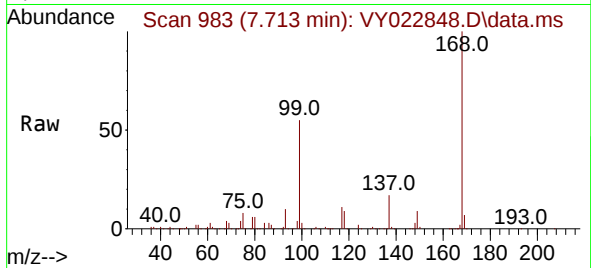




#38
Carbon Tetrachloride
Concen: 5.730 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022848.D
Acq: 26 Jun 2025 14:30

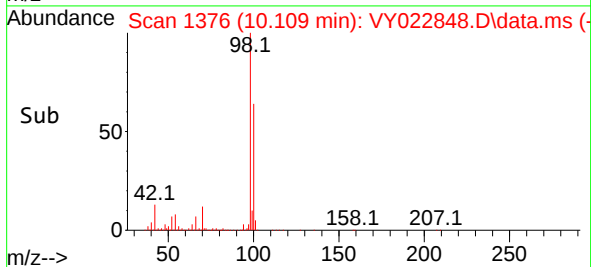
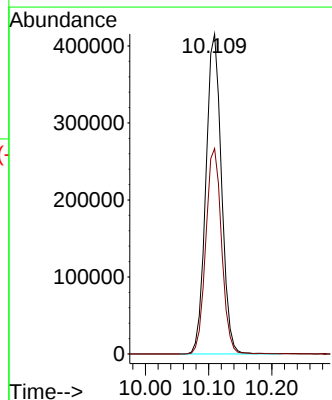
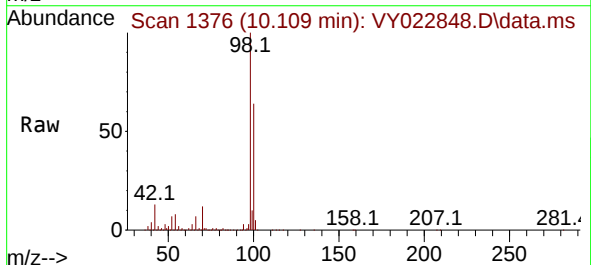
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TP-4-VOC

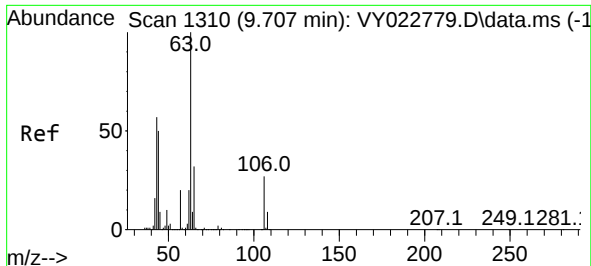
Tgt Ion:117 Resp: 32533
Ion Ratio Lower Upper
117 100
119 4.3 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 50.617 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY022848.D
Acq: 26 Jun 2025 14:30

Tgt Ion: 98 Resp: 713014
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.0

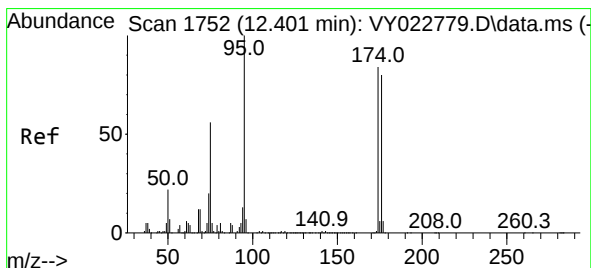
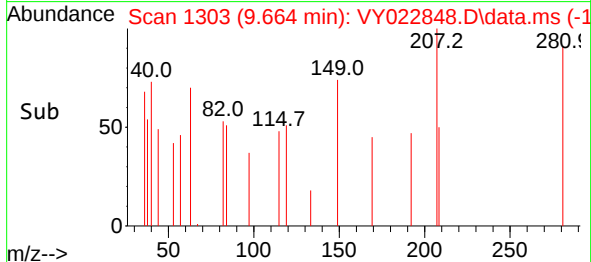
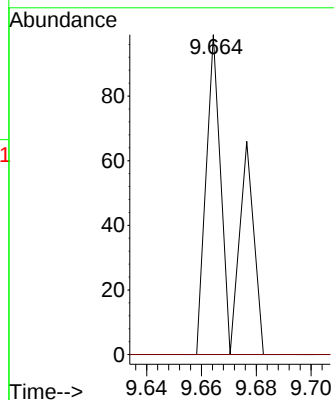
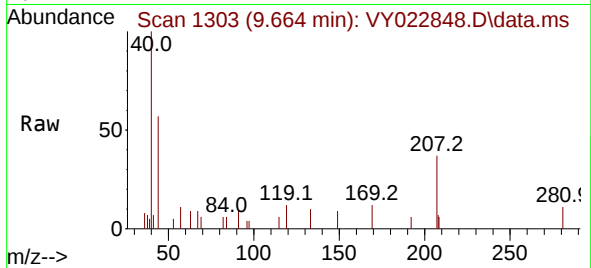




#58
2-Chloroethyl Vinyl ether
Concen: 15.683 ug/l
RT: 9.664 min Scan# 11
Delta R.T. -0.049 min
Lab File: VY022848.D
Acq: 26 Jun 2025 14:30

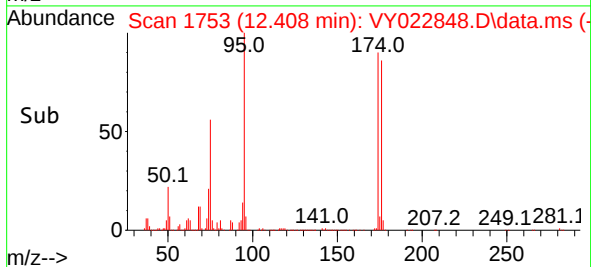
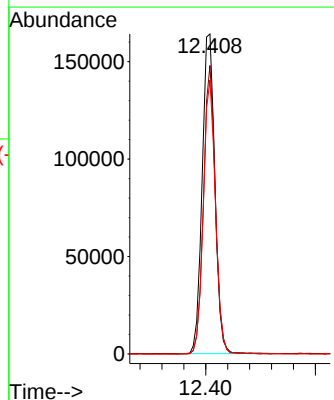
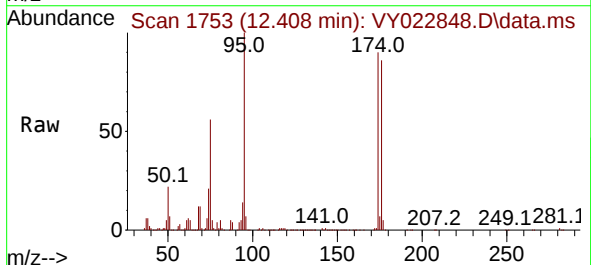
Instrument :
MSVOA_Y
ClientSampleId :
TP-4-VOC

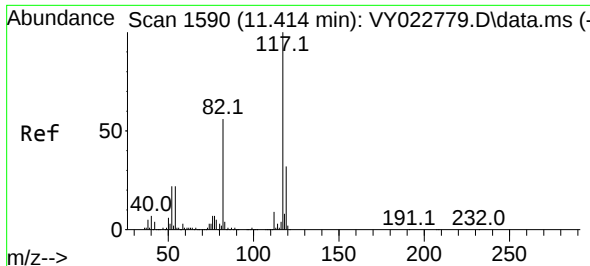
Tgt Ion: 63 Resp: 60
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#



#62
4-Bromofluorobenzene
Concen: 58.196 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022848.D
Acq: 26 Jun 2025 14:30

Tgt Ion: 95 Resp: 263532
Ion Ratio Lower Upper
95 100
174 84.3 0.0 170.0
176 81.4 0.0 166.2

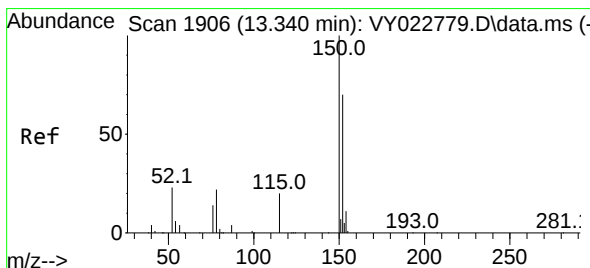
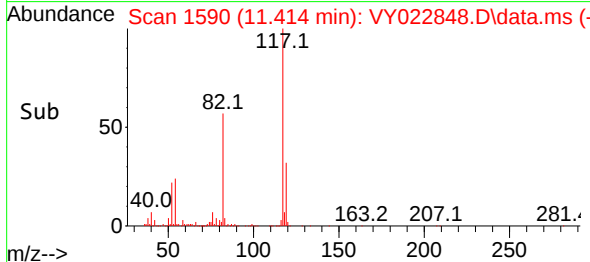
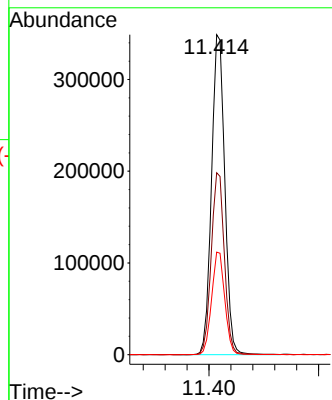
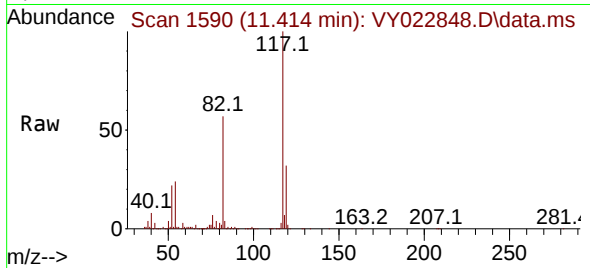




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY022848.D
Acq: 26 Jun 2025 14:30

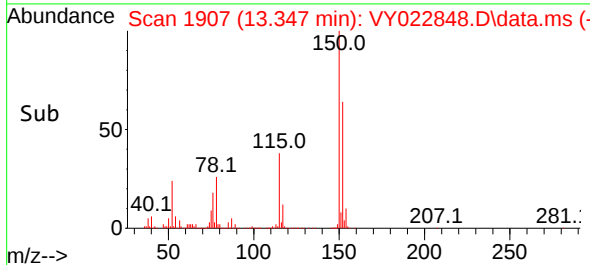
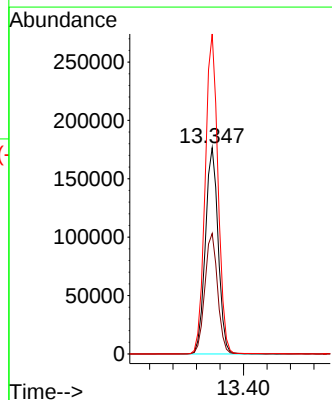
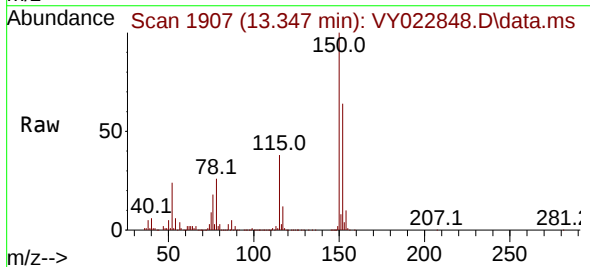
Instrument :
MSVOA_Y
ClientSampleId :
TP-4-VOC

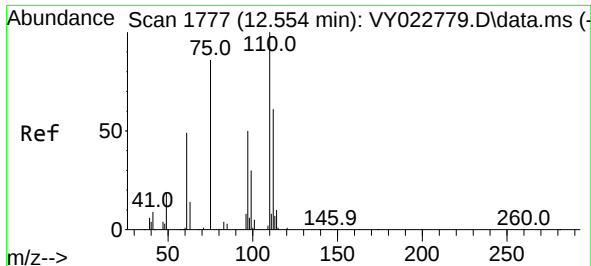
Tgt Ion:117 Resp: 581430
Ion Ratio Lower Upper
117 100
82 56.8 44.6 66.8
119 32.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022848.D
Acq: 26 Jun 2025 14:30

Tgt Ion:152 Resp: 267029
Ion Ratio Lower Upper
152 100
115 58.1 28.9 86.7
150 155.6 0.0 349.6

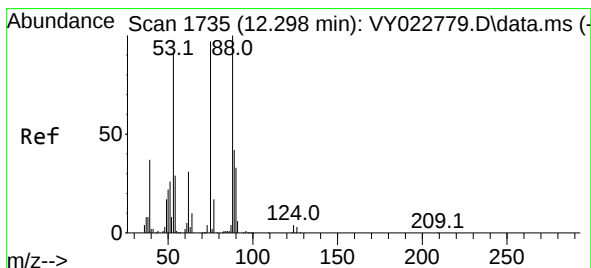
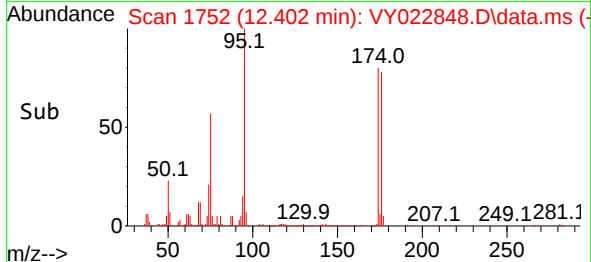
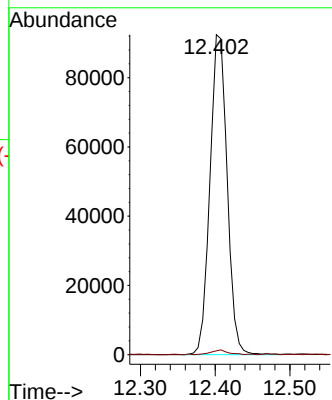
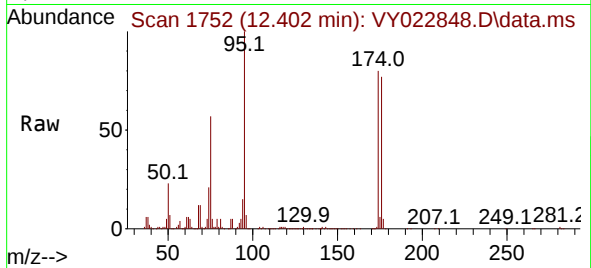




#76
1,2,3-Trichloropropane
Concen: 54.184 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY022848.D
Acq: 26 Jun 2025 14:30

Instrument :
MSVOA_Y
ClientSampleId :
TP-4-VOC

Tgt Ion: 75 Resp: 147712
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 136.889 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY022848.D
Acq: 26 Jun 2025 14:30

Tgt Ion: 75 Resp: 147712
Ion Ratio Lower Upper
75 100
53 0.2 78.5 117.7#
89 0.1 35.7 53.5#

