

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072225\
 Data File : VY023046.D
 Acq On : 22 Jul 2025 15:11
 Operator : SY/MD
 Sample : Q2668-07
 Misc : 4.11g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-3-VOC

Quant Time: Jul 23 02:05:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 19 01:50:49 2025
 Response via : Initial Calibration

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

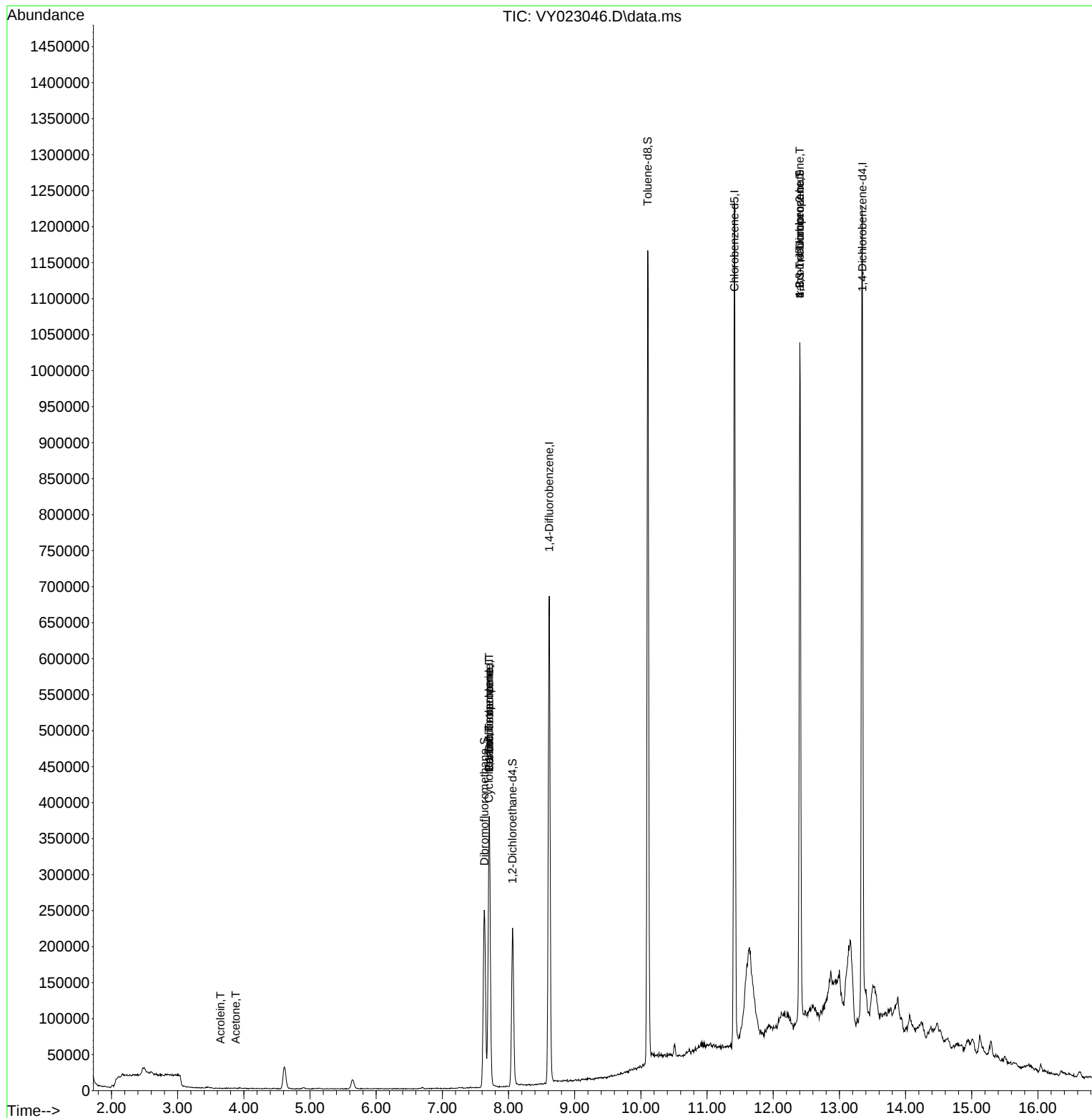
Internal Standards						
1) Pentafluorobenzene	7.707	168	284787	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	559570	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	594159	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	274998	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	172936	59.985	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.960%	
35) Dibromofluoromethane	7.634	113	176828	49.817	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.640%	
50) Toluene-d8	10.103	98	728223	51.734	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.460%	
62) 4-Bromofluorobenzene	12.402	95	276307	62.358	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 124.720%	
Target Compounds						
					Qvalue	
13) Acrolein	3.647	56	89	1.086	ug/l #	53
16) Acetone	3.879	43	967	1.850	ug/l	99
20) Methylene Chloride	4.610	84	22867	Below Cal		98
31) Cyclohexane	7.701	56	7744	1.349	ug/l #	35
36) 1,1-Dichloropropene	7.707	75	24305	4.347	ug/l #	50
38) Carbon Tetrachloride	7.707	117	29218	4.810	ug/l #	18
76) 1,2,3-Trichloropropane	12.402	75	155425	45.357	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	155425	135.094	ug/l #	12

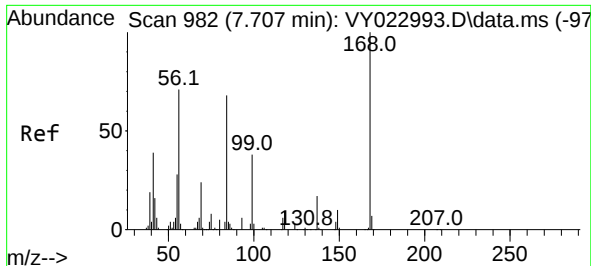
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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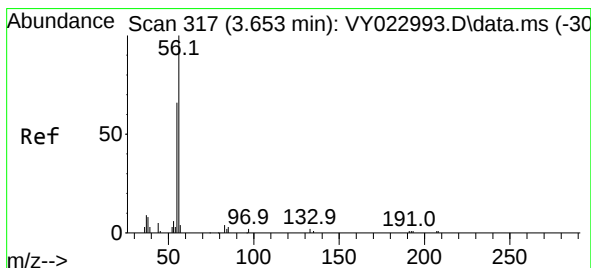
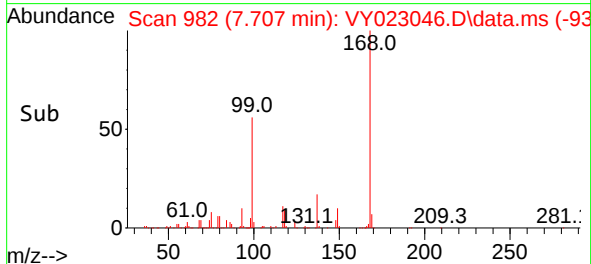
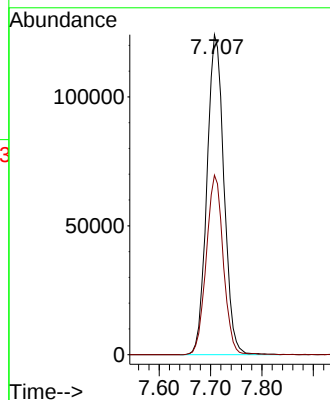
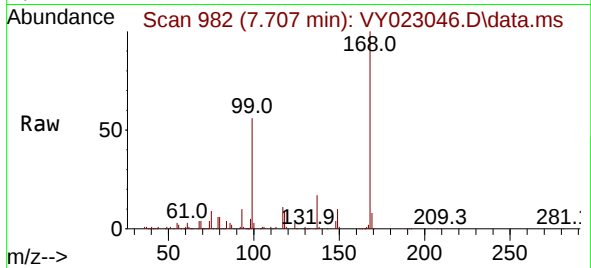




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023046.D
Acq: 22 Jul 2025 15:11

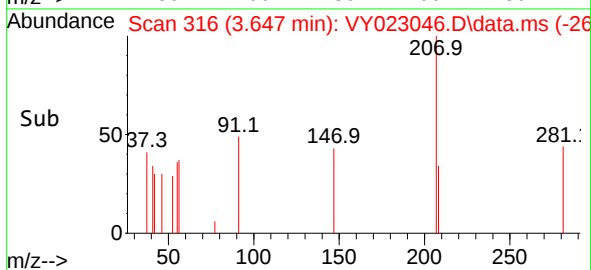
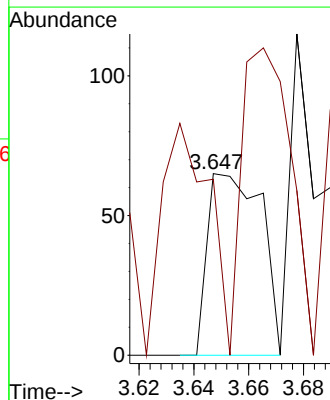
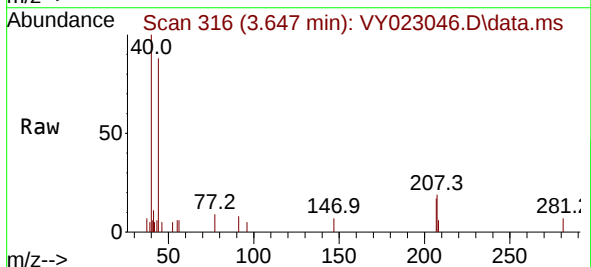
Instrument :
MSVOA_Y
ClientSampleId :
TP-3-VOC

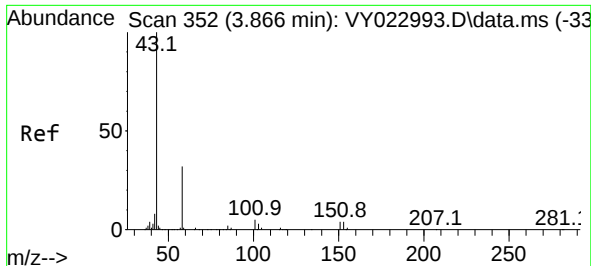
Tgt Ion:168 Resp: 284787
Ion Ratio Lower Upper
168 100
99 56.1 44.4 66.6



#13
Acrolein
Concen: 1.086 ug/l
RT: 3.647 min Scan# 316
Delta R.T. -0.006 min
Lab File: VY023046.D
Acq: 22 Jul 2025 15:11

Tgt Ion: 56 Resp: 89
Ion Ratio Lower Upper
56 100
55 111.2 57.8 86.6#

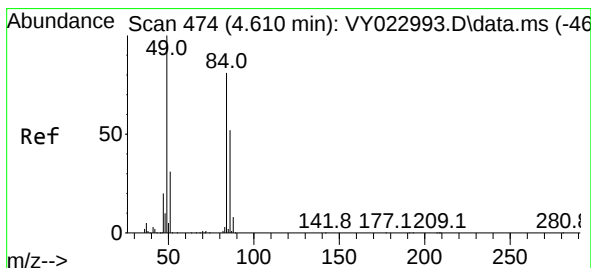
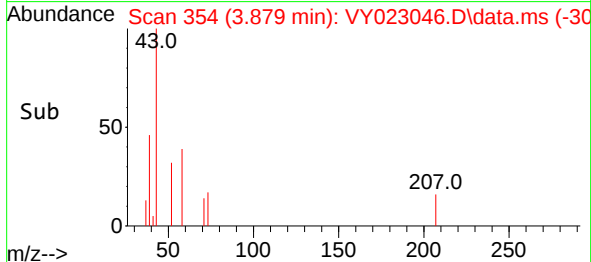
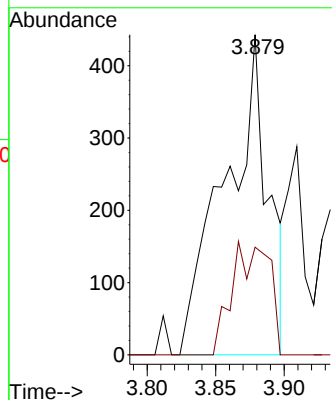
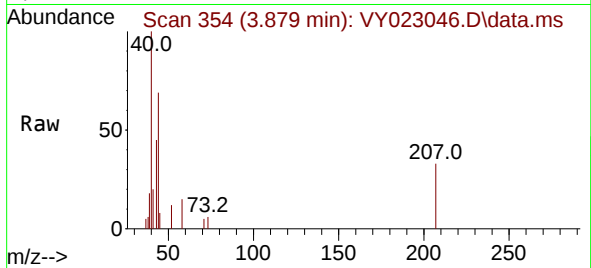




#16
Acetone
Concen: 1.850 ug/l
RT: 3.879 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY023046.D
Acq: 22 Jul 2025 15:11

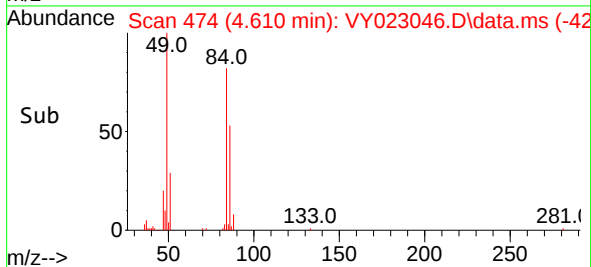
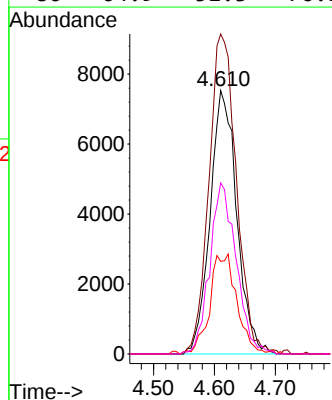
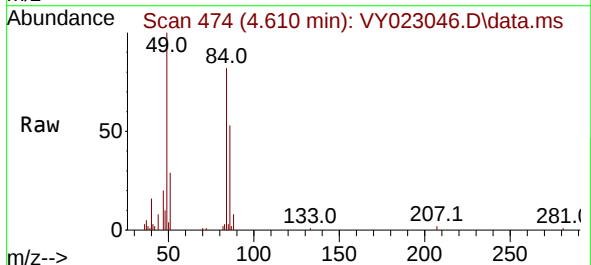
Instrument :
MSVOA_Y
ClientSampleId :
TP-3-VOC

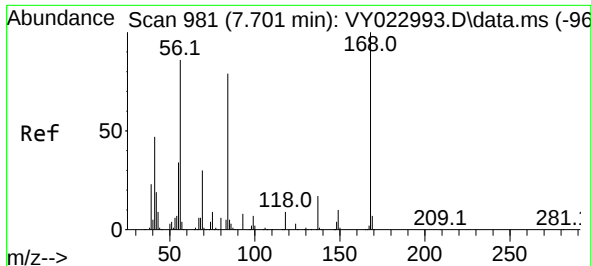
Tgt Ion: 43 Resp: 967
Ion Ratio Lower Upper
43 100
58 33.6 26.2 39.4



#20
Methylene Chloride
Concen: Below Cal
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY023046.D
Acq: 22 Jul 2025 15:11

Tgt Ion: 84 Resp: 22867
Ion Ratio Lower Upper
84 100
49 121.5 98.2 147.4
51 35.2 30.5 45.7
86 64.9 51.3 76.9

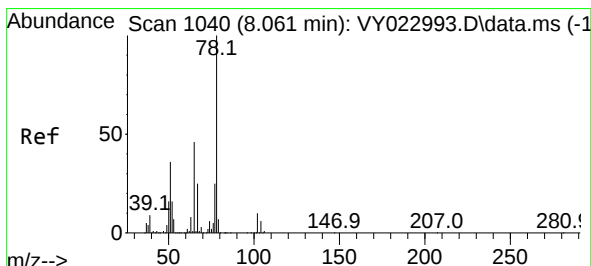
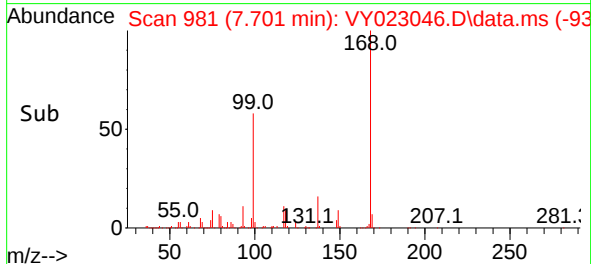
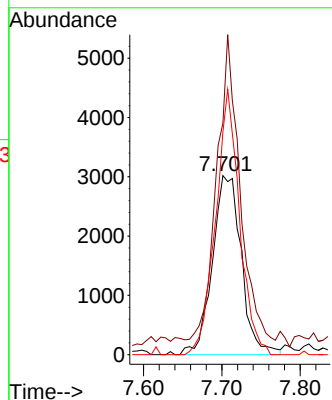
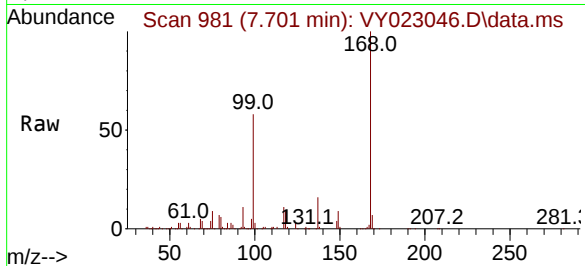




#31
Cyclohexane
Concen: 1.349 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY023046.D
Acq: 22 Jul 2025 15:11

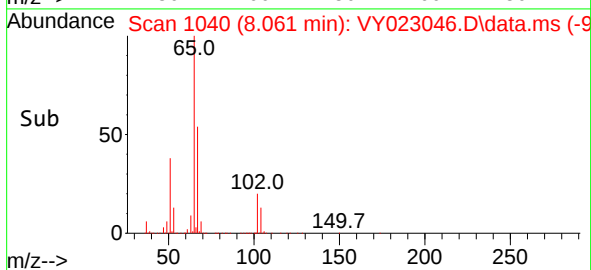
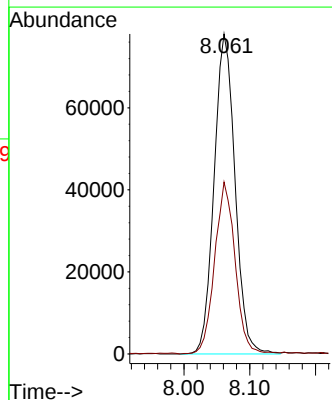
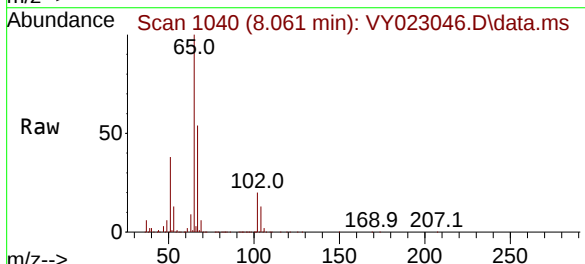
Instrument :
MSVOA_Y
ClientSampleId :
TP-3-VOC

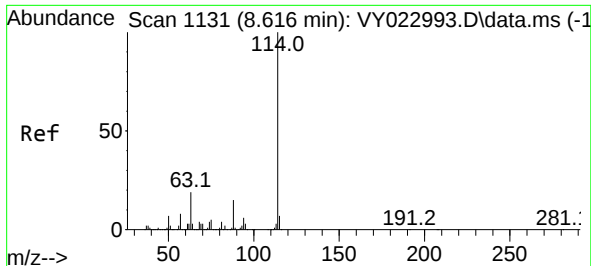
Tgt Ion: 56 Resp: 7744
Ion Ratio Lower Upper
56 100
69 120.2 28.1 42.1#
84 124.4 73.5 110.3#



#33
1,2-Dichloroethane-d4
Concen: 59.985 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023046.D
Acq: 22 Jul 2025 15:11

Tgt Ion: 65 Resp: 172936
Ion Ratio Lower Upper
65 100
67 52.6 0.0 107.4

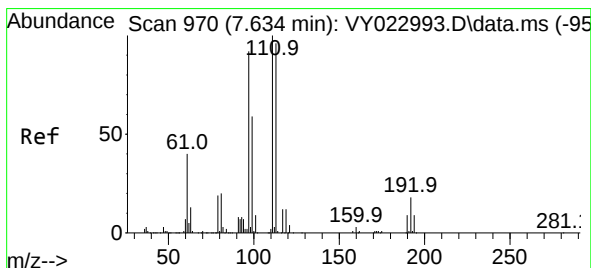
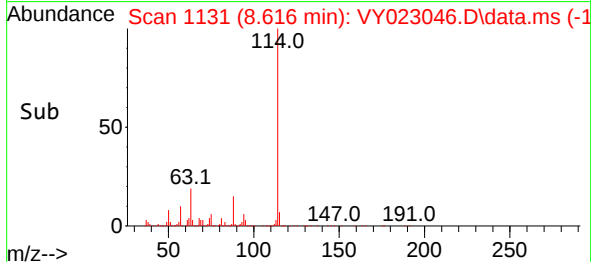
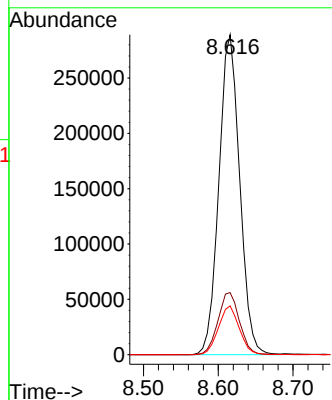
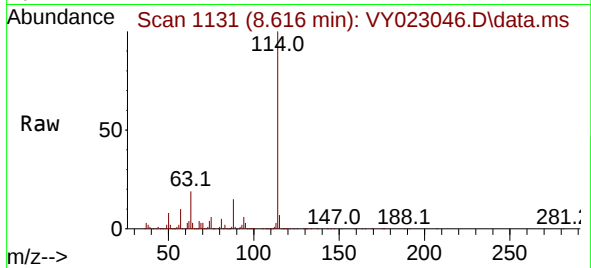




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023046.D
Acq: 22 Jul 2025 15:11

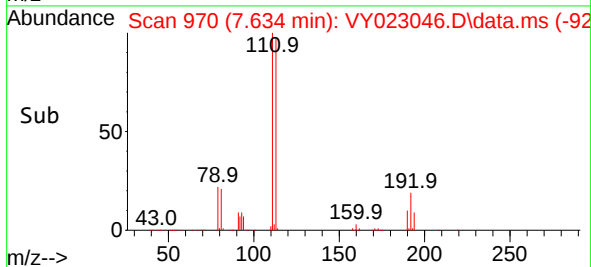
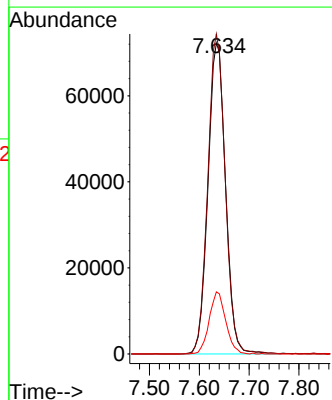
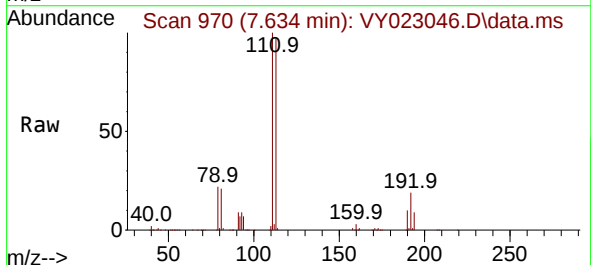
Instrument :
MSVOA_Y
ClientSampleId :
TP-3-VOC

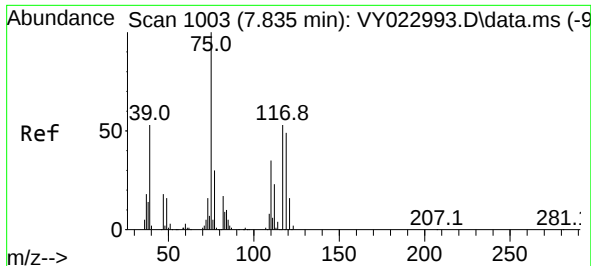
Tgt Ion:114 Resp: 559570
Ion Ratio Lower Upper
114 100
63 19.4 0.0 38.8
88 15.3 0.0 30.2



#35
Dibromofluoromethane
Concen: 49.817 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023046.D
Acq: 22 Jul 2025 15:11

Tgt Ion:113 Resp: 176828
Ion Ratio Lower Upper
113 100
111 102.2 83.2 124.8
192 18.8 15.3 22.9





#36

1,1-Dichloropropene

Concen: 4.347 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY023046.D

Acq: 22 Jul 2025 15:11

Instrument :

MSVOA_Y

ClientSampleId :

TP-3-VOC

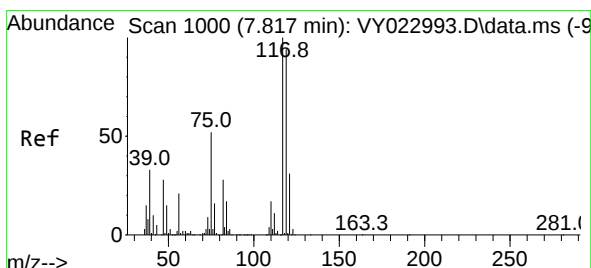
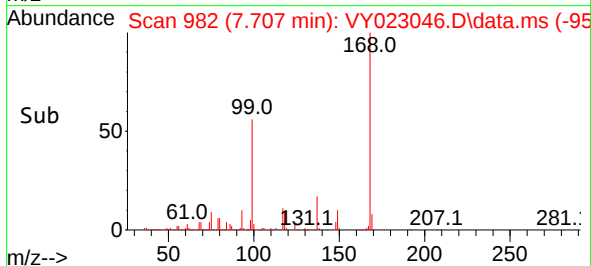
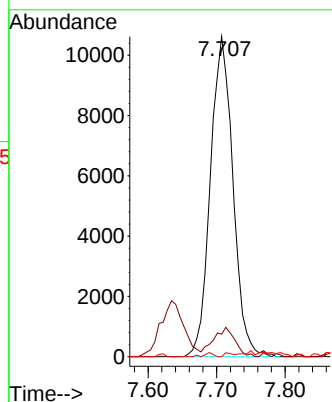
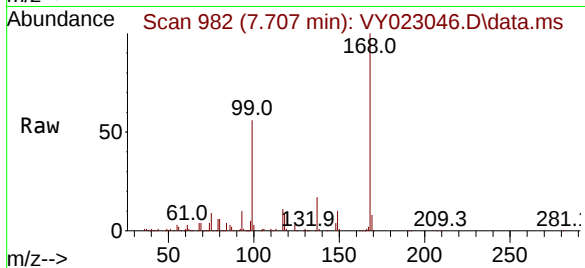
Tgt Ion: 75 Resp: 24305

Ion Ratio Lower Upper

75 100

110 8.7 17.3 51.9#

77 0.4 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 4.810 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY023046.D

Acq: 22 Jul 2025 15:11

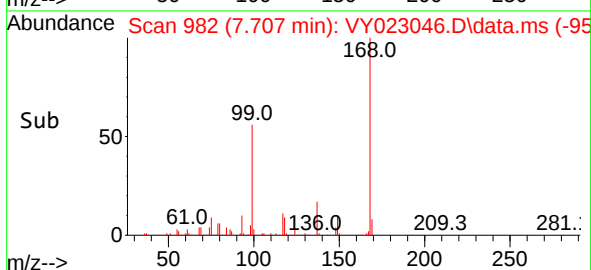
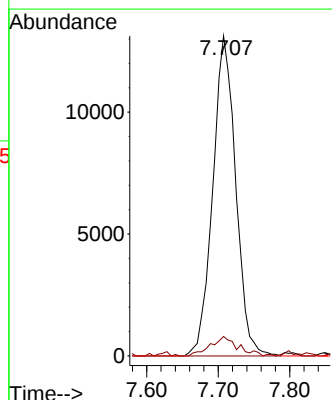
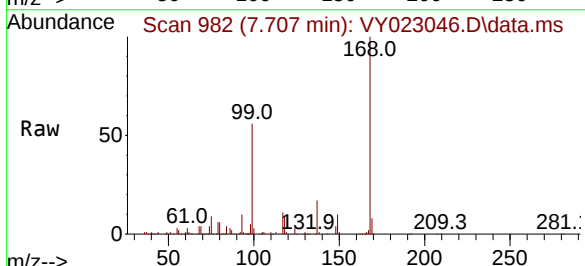
Tgt Ion: 117 Resp: 29218

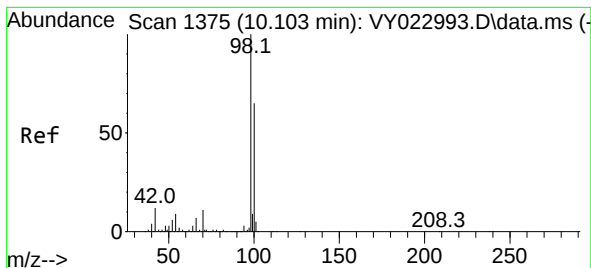
Ion Ratio Lower Upper

117 100

119 6.1 74.9 112.3#

121 0.0 24.6 37.0#





#50

Toluene-d8

Concen: 51.734 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY023046.D

Acq: 22 Jul 2025 15:11

Instrument :

MSVOA_Y

ClientSampleId :

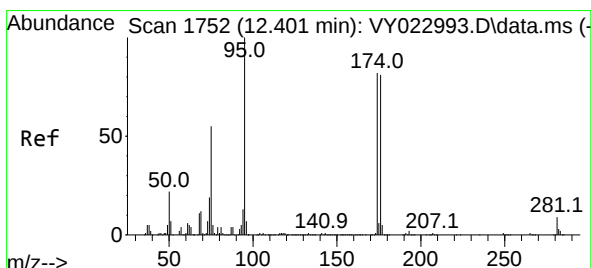
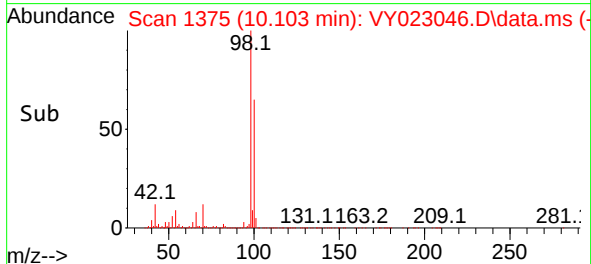
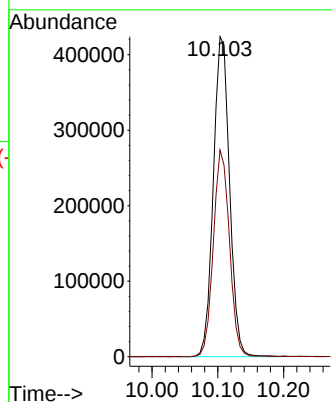
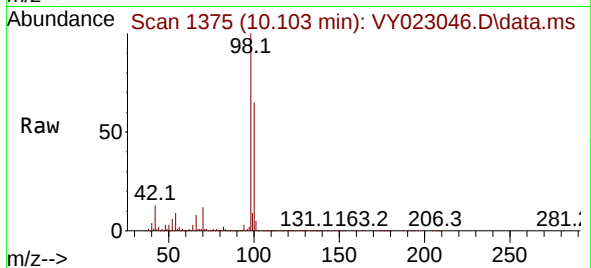
TP-3-VOC

Tgt Ion: 98 Resp: 728223

Ion Ratio Lower Upper

98 100

100 64.1 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 62.358 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.000 min

Lab File: VY023046.D

Acq: 22 Jul 2025 15:11

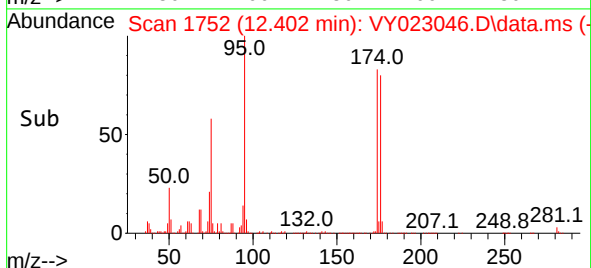
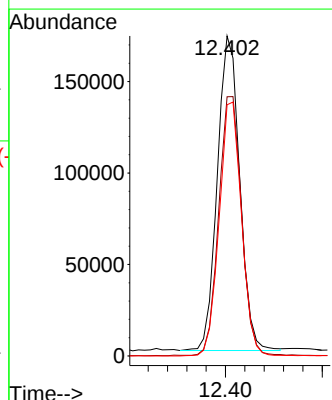
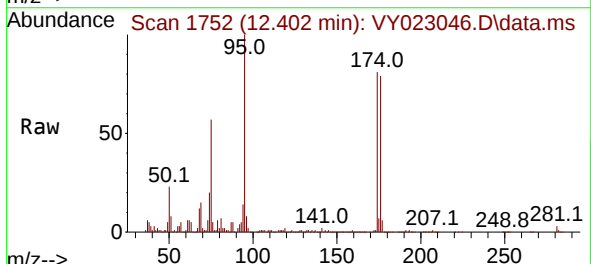
Tgt Ion: 95 Resp: 276307

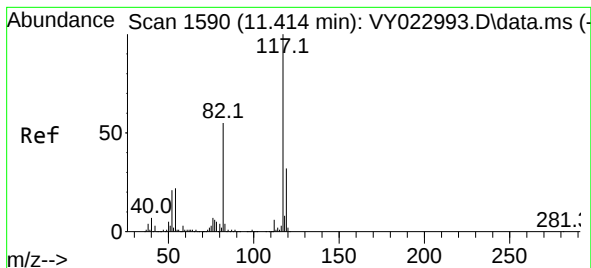
Ion Ratio Lower Upper

95 100

174 84.2 0.0 170.8

176 80.5 0.0 163.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023046.D

Acq: 22 Jul 2025 15:11

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ClientSampleId :

TP-3-VOC

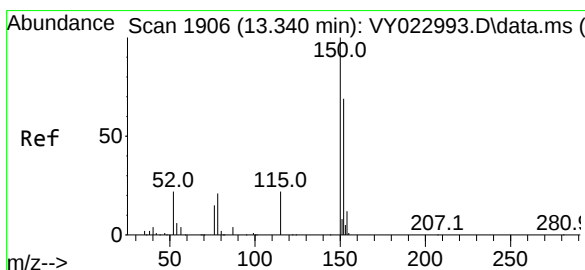
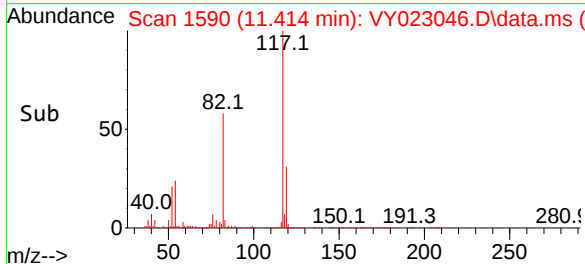
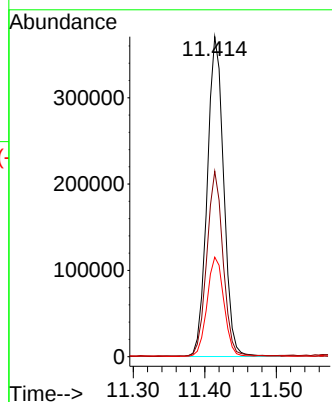
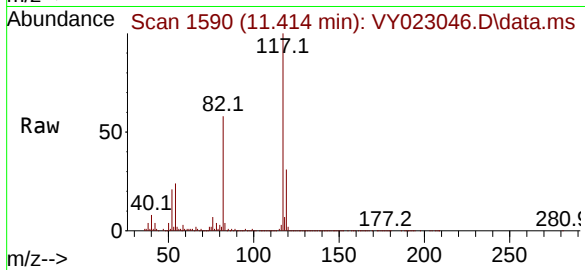
Tgt Ion:117 Resp: 594159

Ion Ratio Lower Upper

117 100

82 57.7 44.3 66.5

119 31.0 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023046.D

Acq: 22 Jul 2025 15:11

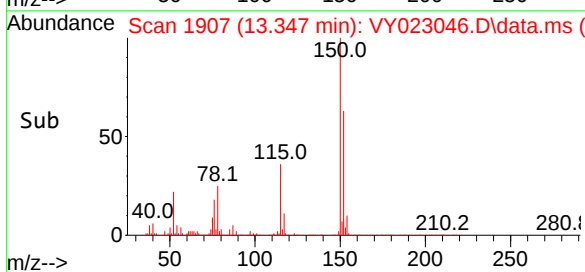
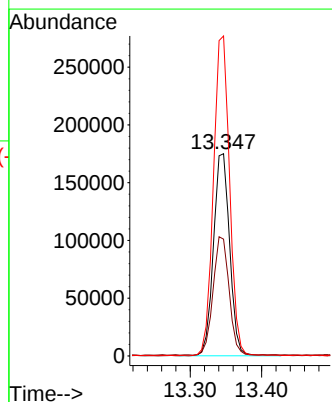
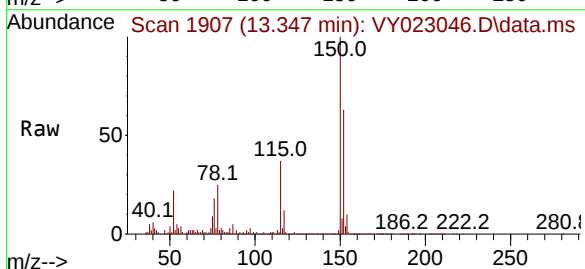
Tgt Ion:152 Resp: 274998

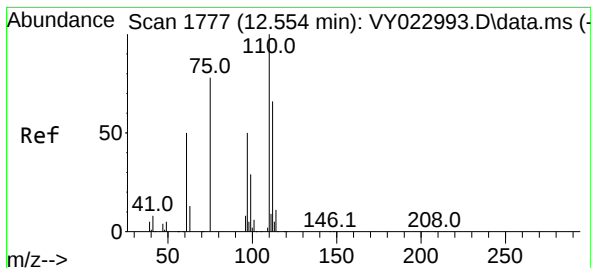
Ion Ratio Lower Upper

152 100

115 57.8 29.4 88.2

150 157.6 0.0 350.0





#76

1,2,3-Trichloropropane

Concen: 45.357 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY023046.D

Acq: 22 Jul 2025 15:11

Instrument :

MSVOA_Y

ClientSampleId :

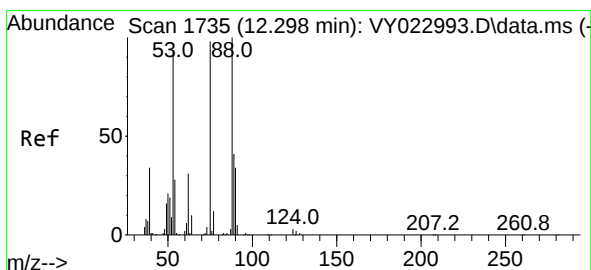
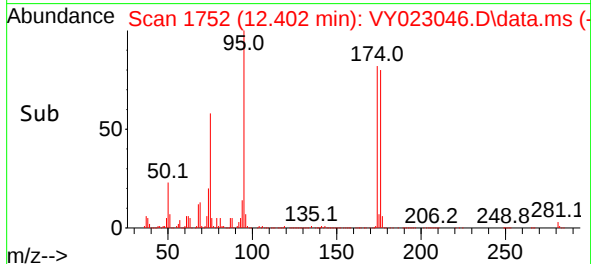
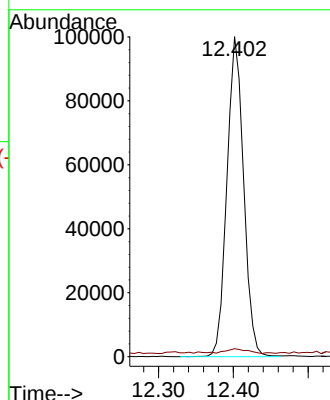
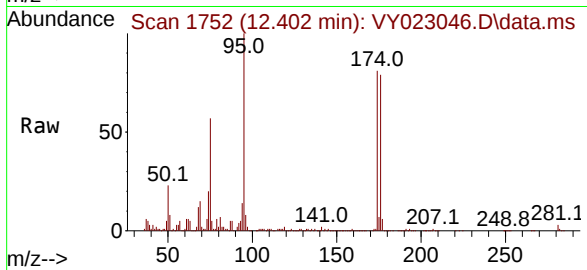
TP-3-VOC

Tgt Ion: 75 Resp: 155425

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 135.094 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.104 min

Lab File: VY023046.D

Acq: 22 Jul 2025 15:11

Tgt Ion: 75 Resp: 155425

Ion Ratio Lower Upper

75 100

53 0.0 76.1 114.1#

89 0.1 36.1 54.1#

