

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
 Data File : VY023594.D
 Acq On : 27 Oct 2025 13:17
 Operator : SY/MD
 Sample : Q3469-03
 Misc : 5.29g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-13-VOC

Quant Time: Oct 28 04:39:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

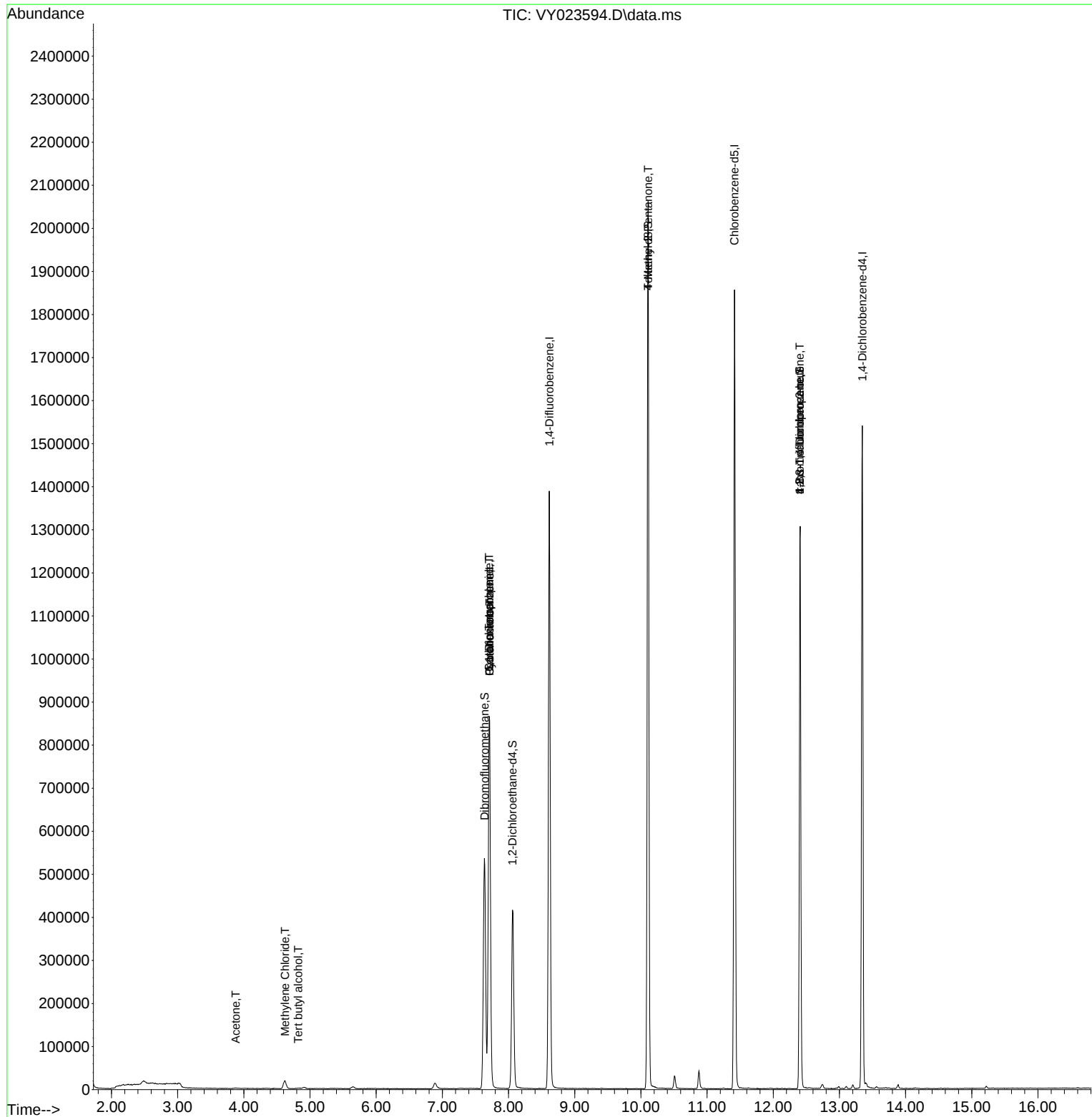
Internal Standards						
1) Pentafluorobenzene	7.713	168	737825	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1237706	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1039194	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	419726	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	326935	52.990	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.980%	
35) Dibromofluoromethane	7.640	113	385240	50.655	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.320%	
50) Toluene-d8	10.109	98	1393294	49.194	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.380%	
62) 4-Bromofluorobenzene	12.401	95	388307	41.528	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 83.060%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.823	59	1343	2.926	ug/l #	72
16) Acetone	3.879	43	2255	1.535	ug/l #	70
20) Methylene Chloride	4.622	84	14774	1.860	ug/l	95
31) Cyclohexane	7.713	56	13065	1.273	ug/l #	5
36) 1,1-Dichloropropene	7.707	75	47523	4.720	ug/l #	47
38) Carbon Tetrachloride	7.707	117	67143	5.500	ug/l #	16
51) 4-Methyl-2-Pentanone	10.109	43	4810	1.170	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	189719	51.232	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	189719	125.632	ug/l #	15

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
Data File : VY023594.D
Acq On : 27 Oct 2025 13:17
Operator : SY/MD
Sample : Q3469-03
Misc : 5.29g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-13-VOC

Quant Time: Oct 28 04:39:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

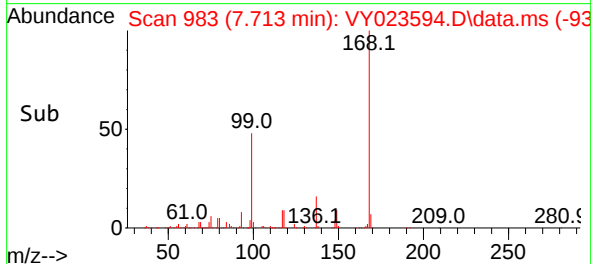
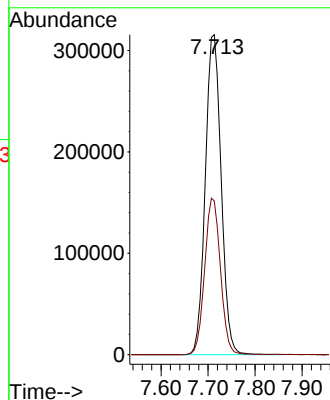
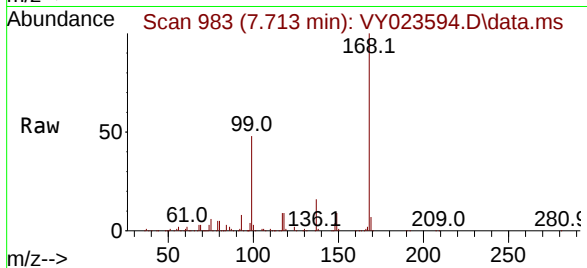




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023594.D
Acq: 27 Oct 2025 13:17

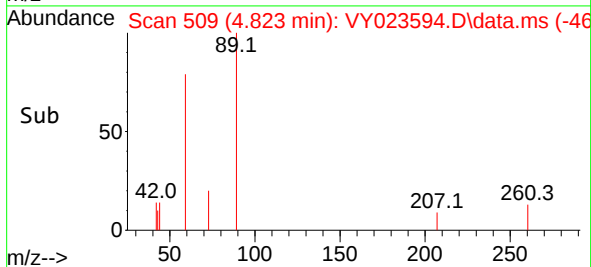
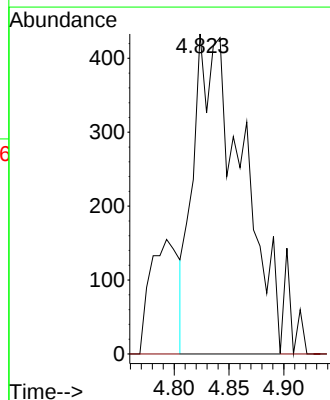
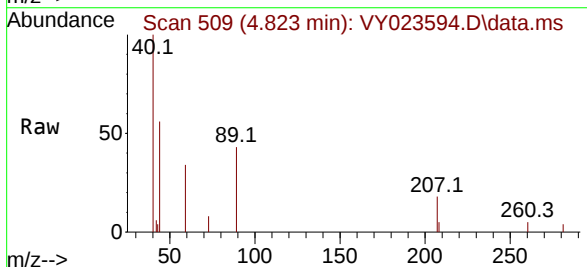
Instrument :
MSVOA_Y
ClientSampleId :
TP-13-VOC

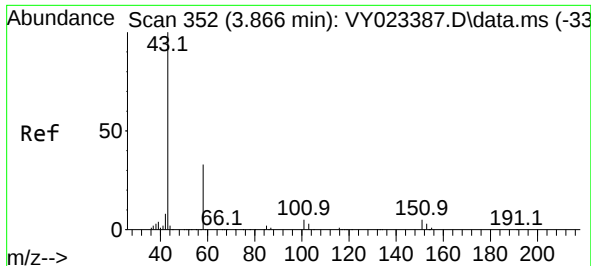
Tgt Ion:168 Resp: 737825
Ion Ratio Lower Upper
168 100
99 48.1 39.7 59.5



#11
Tert butyl alcohol
Concen: 2.926 ug/l
RT: 4.823 min Scan# 509
Delta R.T. -0.037 min
Lab File: VY023594.D
Acq: 27 Oct 2025 13:17

Tgt Ion: 59 Resp: 1343
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

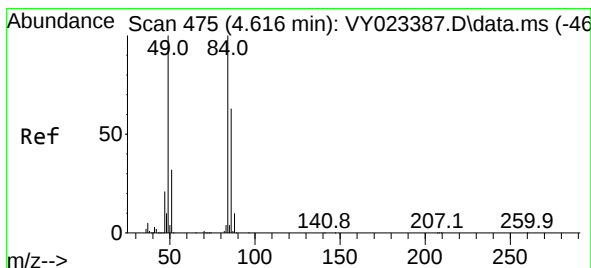
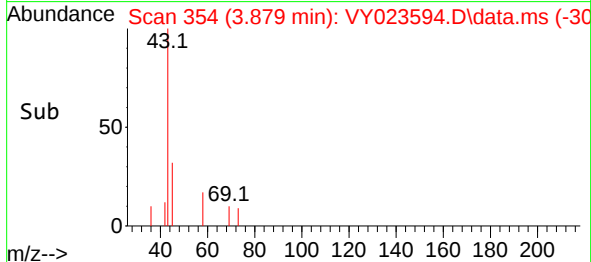
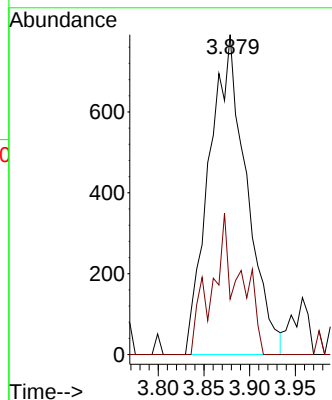
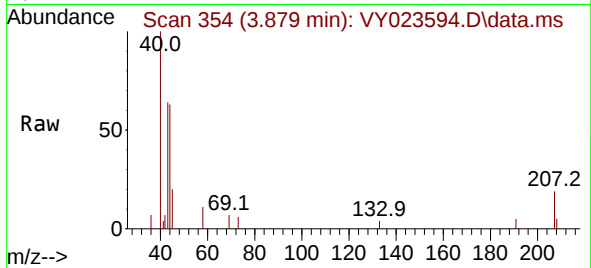




#16
Acetone
Concen: 1.535 ug/l
RT: 3.879 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY023594.D
Acq: 27 Oct 2025 13:17

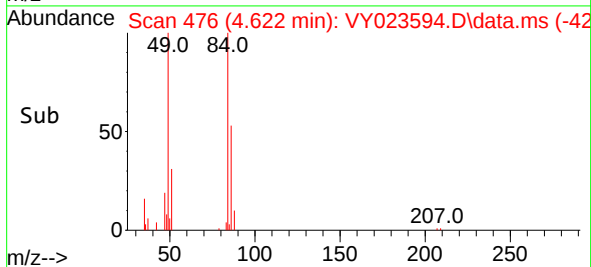
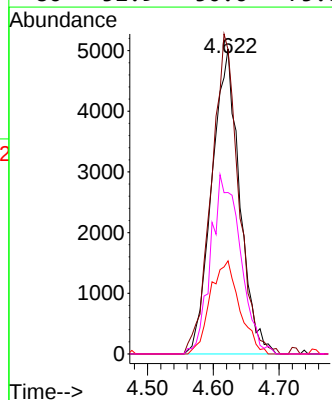
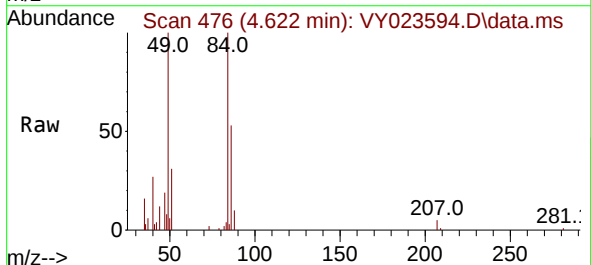
Instrument :
MSVOA_Y
ClientSampleId :
TP-13-VOC

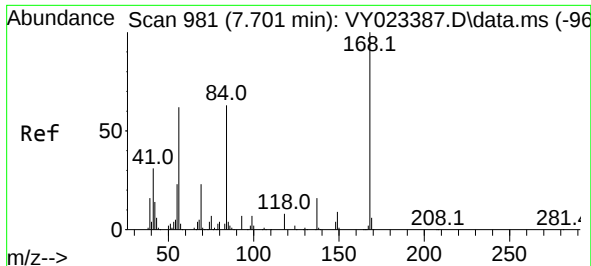
Tgt Ion: 43 Resp: 2255
Ion Ratio Lower Upper
43 100
58 17.3 27.7 41.5#



#20
Methylene Chloride
Concen: 1.860 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY023594.D
Acq: 27 Oct 2025 13:17

Tgt Ion: 84 Resp: 14774
Ion Ratio Lower Upper
84 100
49 99.7 80.2 120.4
51 30.5 25.9 38.9
86 52.9 50.6 75.8

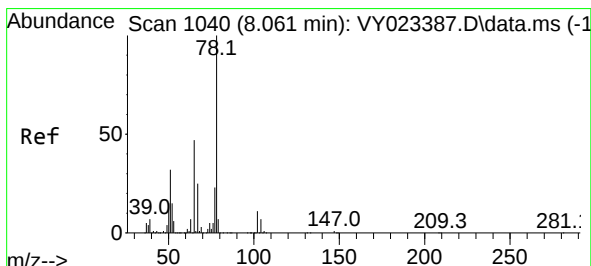
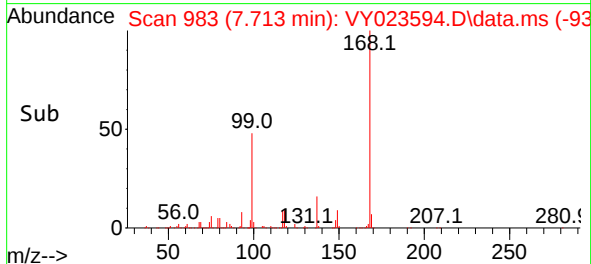
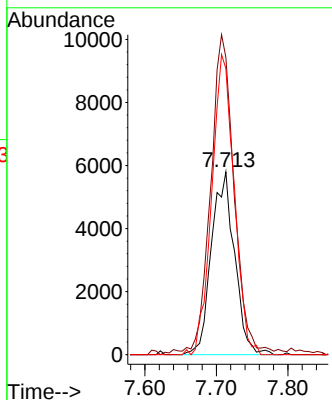
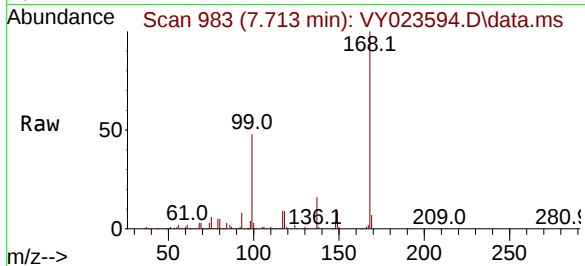




#31
Cyclohexane
Concen: 1.273 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY023594.D
Acq: 27 Oct 2025 13:17

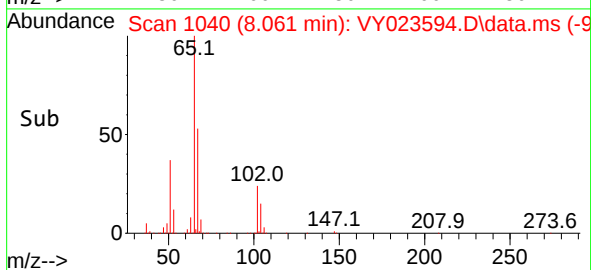
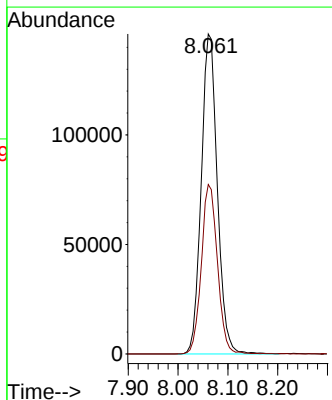
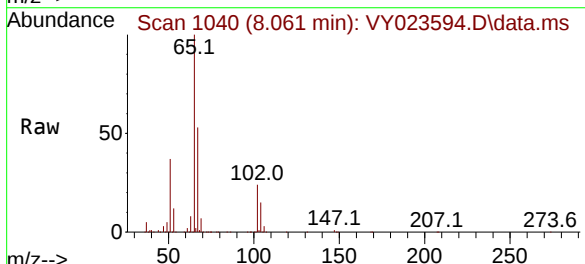
Instrument :
MSVOA_Y
ClientSampleId :
TP-13-VOC

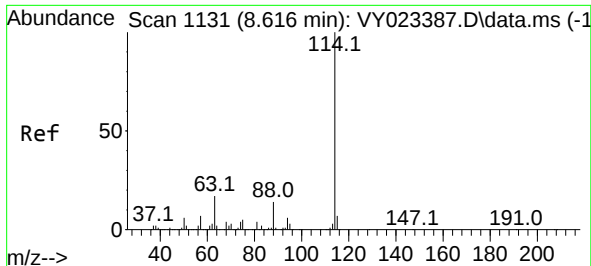
Tgt Ion: 56 Resp: 13065
Ion Ratio Lower Upper
56 100
69 160.6 30.0 45.0#
84 156.5 81.2 121.8#



#33
1,2-Dichloroethane-d4
Concen: 52.990 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023594.D
Acq: 27 Oct 2025 13:17

Tgt Ion: 65 Resp: 326935
Ion Ratio Lower Upper
65 100
67 53.1 0.0 105.8

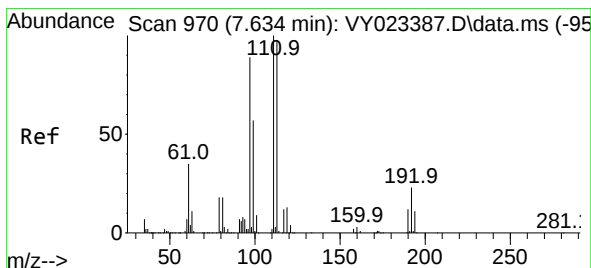
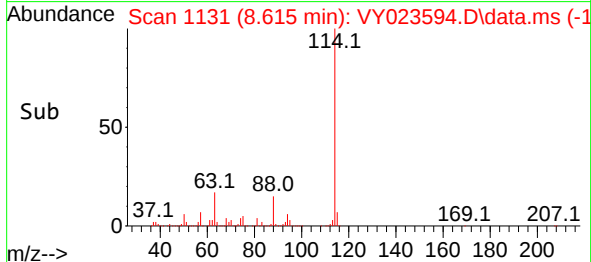
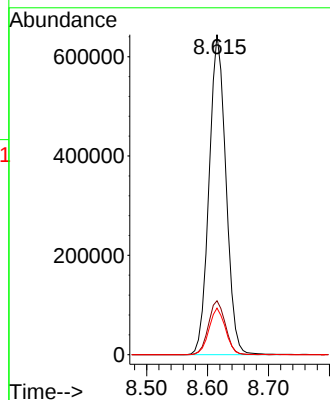
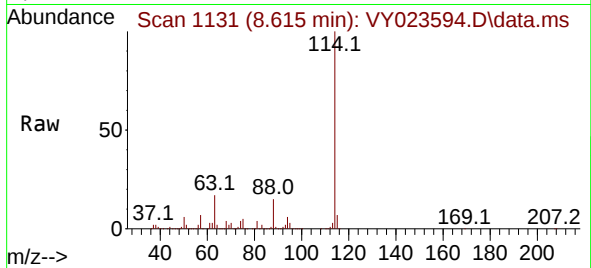




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023594.D
Acq: 27 Oct 2025 13:17

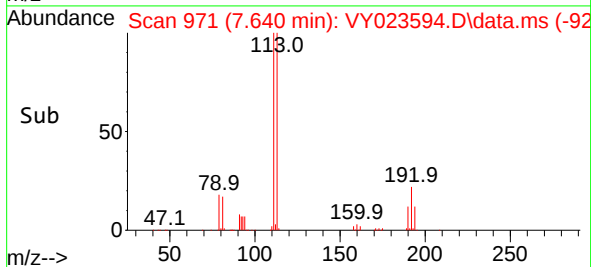
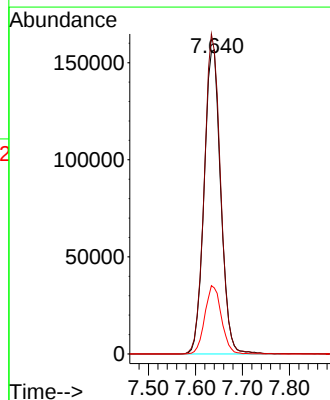
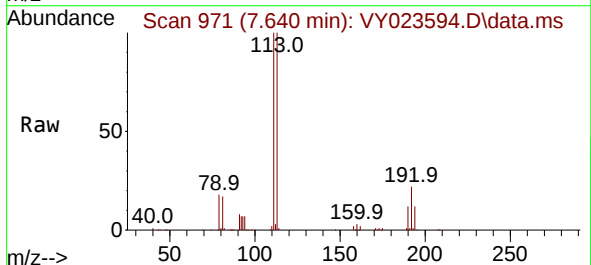
Instrument :
MSVOA_Y
ClientSampleId :
TP-13-VOC

Tgt Ion:114 Resp: 1237706
Ion Ratio Lower Upper
114 100
63 16.8 0.0 34.2
88 14.5 0.0 28.4



#35
Dibromofluoromethane
Concen: 50.655 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023594.D
Acq: 27 Oct 2025 13:17

Tgt Ion:113 Resp: 385240
Ion Ratio Lower Upper
113 100
111 102.6 81.8 122.6
192 22.4 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.720 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY023594.D

Acq: 27 Oct 2025 13:17

Instrument :

MSVOA_Y

ClientSampleId :

TP-13-VOC

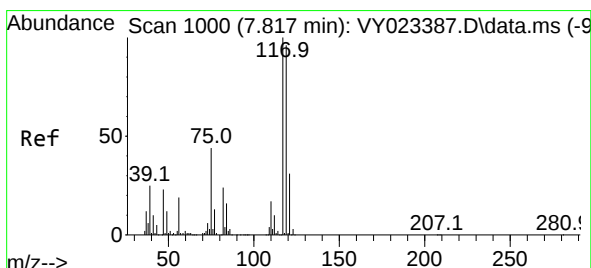
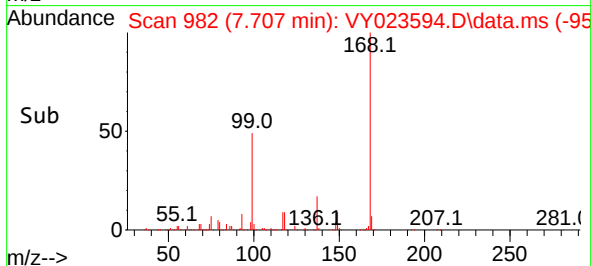
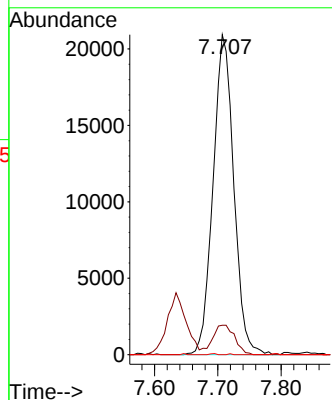
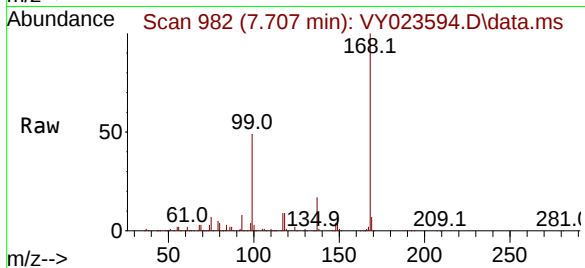
Tgt Ion: 75 Resp: 47523

Ion Ratio Lower Upper

75 100

110 9.3 19.9 59.7#

77 0.0 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.500 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY023594.D

Acq: 27 Oct 2025 13:17

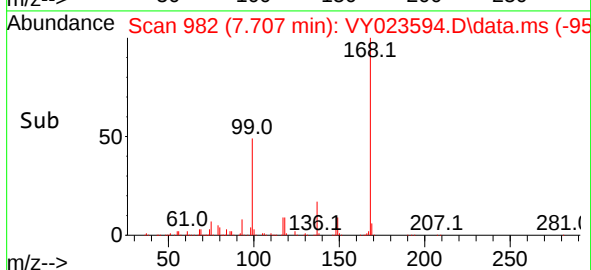
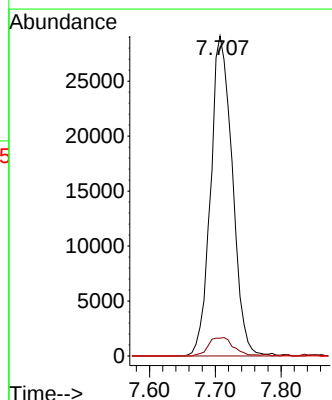
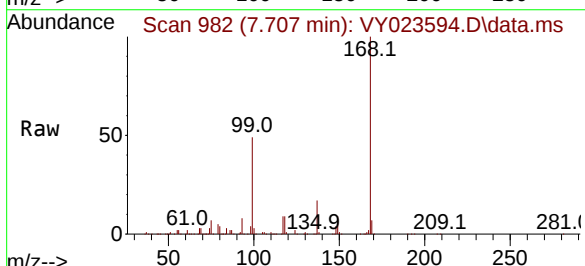
Tgt Ion: 117 Resp: 67143

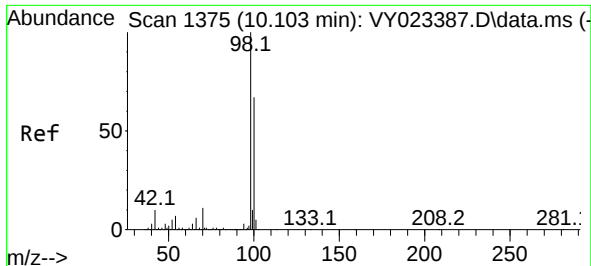
Ion Ratio Lower Upper

117 100

119 5.6 76.8 115.2#

121 0.0 24.5 36.7#

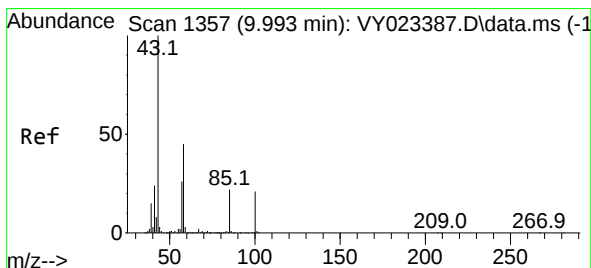
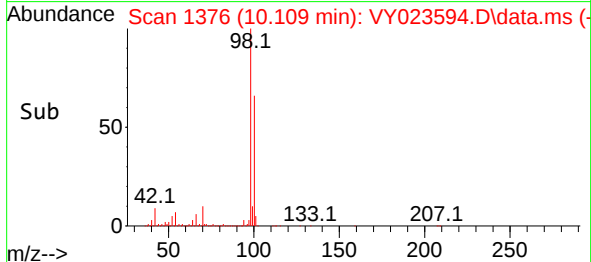
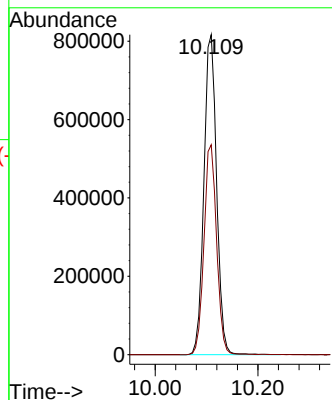
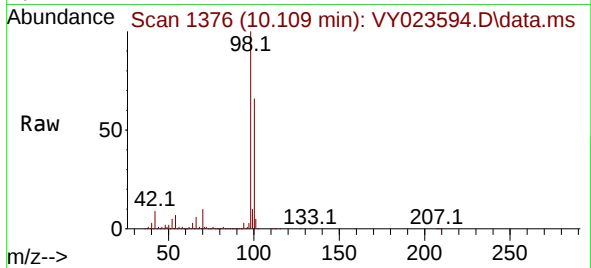




#50
Toluene-d8
Concen: 49.194 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023594.D
Acq: 27 Oct 2025 13:17

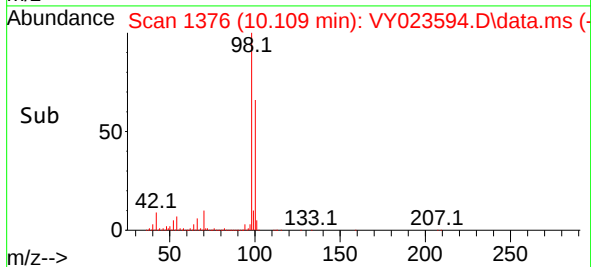
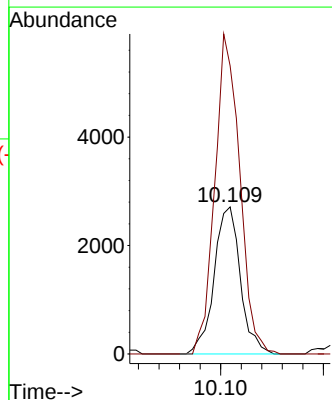
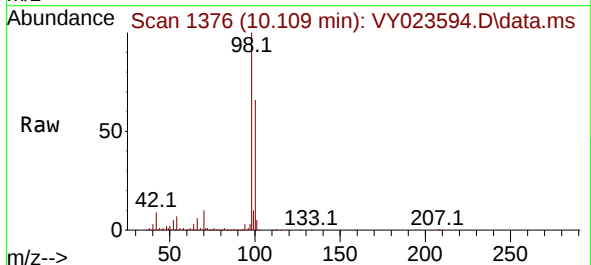
Instrument :
MSVOA_Y
ClientSampleId :
TP-13-VOC

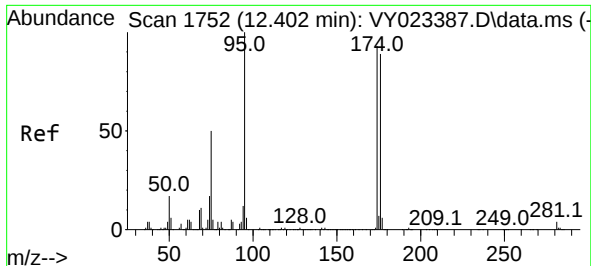
Tgt Ion: 98 Resp: 1393294
Ion Ratio Lower Upper
98 100
100 65.5 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 1.170 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.116 min
Lab File: VY023594.D
Acq: 27 Oct 2025 13:17

Tgt Ion: 43 Resp: 4810
Ion Ratio Lower Upper
43 100
58 206.3 35.3 52.9#

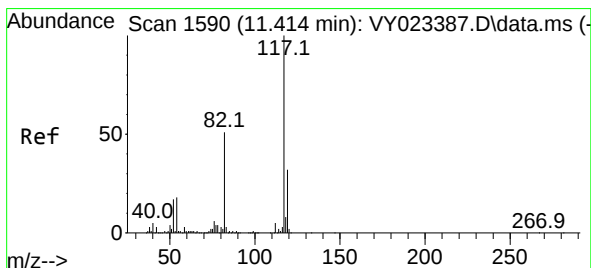
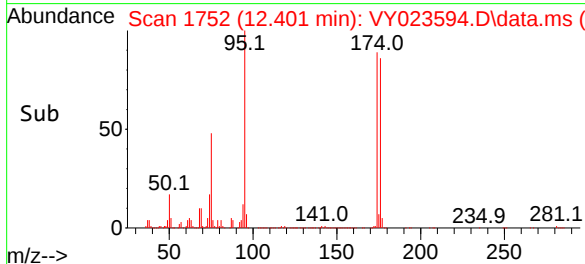
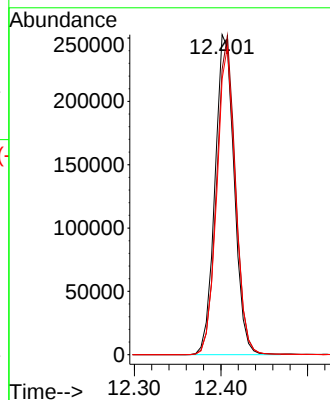
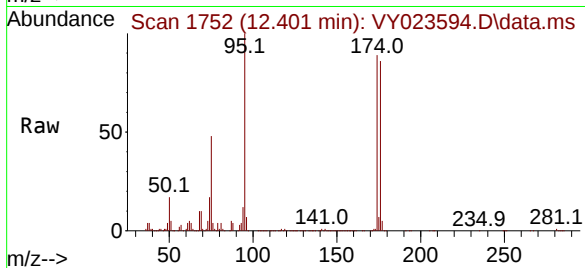




#62
4-Bromofluorobenzene
Concen: 41.528 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023594.D
Acq: 27 Oct 2025 13:17

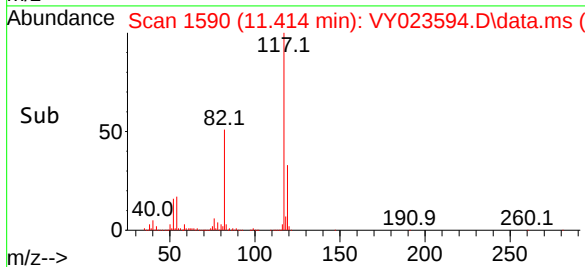
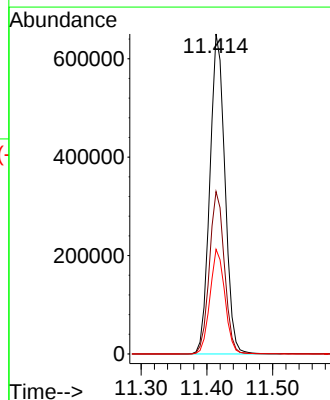
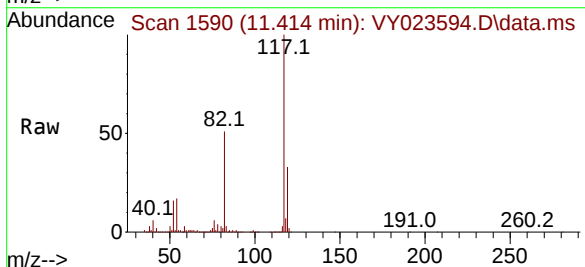
Instrument :
MSVOA_Y
ClientSampleId :
TP-13-VOC

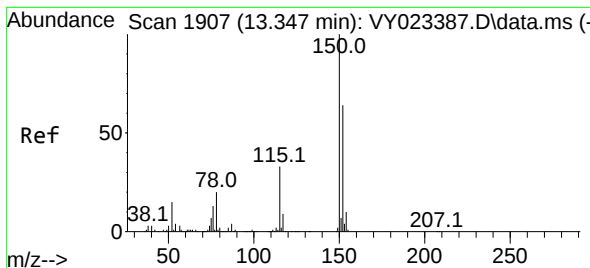
Tgt Ion: 95 Resp: 388307
Ion Ratio Lower Upper
95 100
174 97.7 0.0 192.8
176 93.6 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY023594.D
Acq: 27 Oct 2025 13:17

Tgt Ion: 117 Resp: 1039194
Ion Ratio Lower Upper
117 100
82 50.8 41.0 61.4
119 32.7 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023594.D

Acq: 27 Oct 2025 13:17

Instrument :

MSVOA_Y

ClientSampleId :

TP-13-VOC

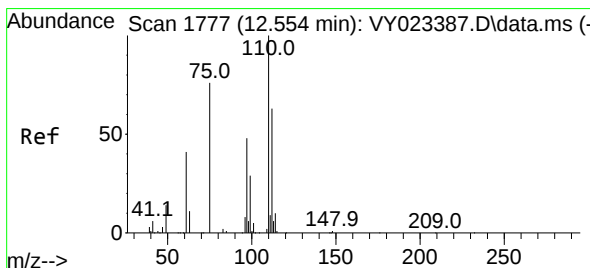
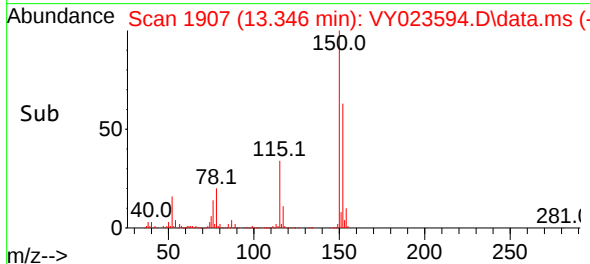
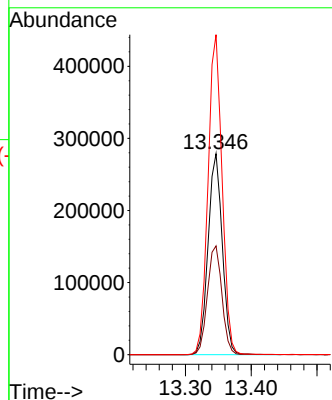
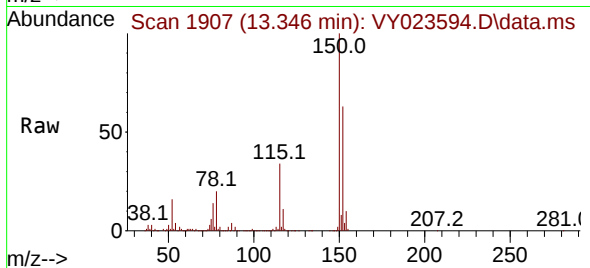
Tgt Ion:152 Resp: 419726

Ion Ratio Lower Upper

152 100

115 55.3 27.1 81.2

150 157.8 0.0 347.4



#76

1,2,3-Trichloropropane

Concen: 51.232 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY023594.D

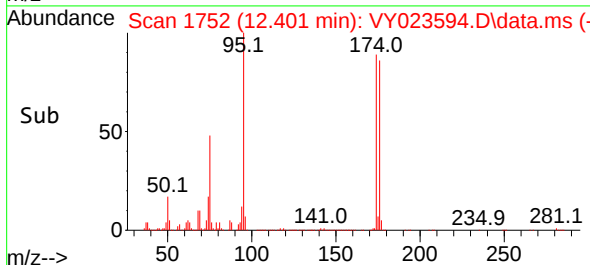
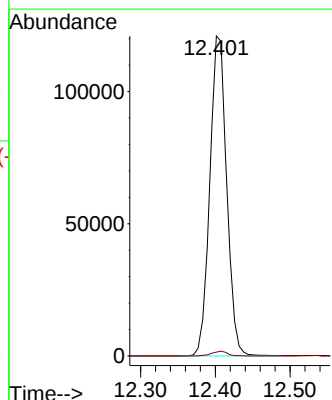
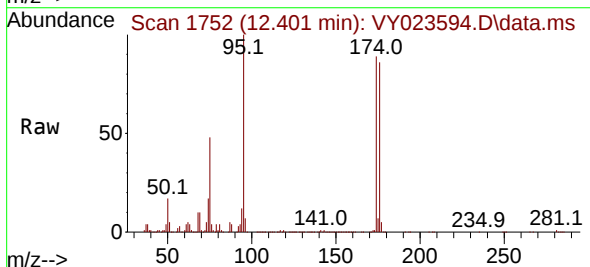
Acq: 27 Oct 2025 13:17

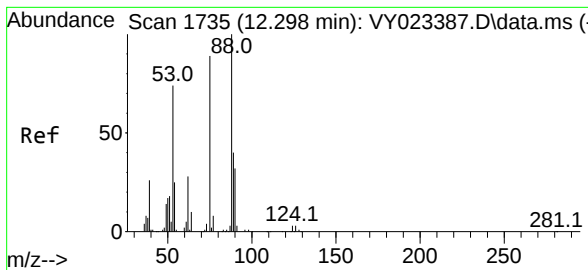
Tgt Ion: 75 Resp: 189719

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.632 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY023594.D
 Acq: 27 Oct 2025 13:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-13-VOC

Tgt Ion: 75 Resp: 189719
 Ion Ratio Lower Upper
 75 100
 53 0.1 68.6 102.8#
 89 0.0 39.0 58.4#

