

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
 Data File : VY023539.D
 Acq On : 21 Oct 2025 16:57
 Operator : SY/MD
 Sample : Q3412-03
 Misc : 5.35g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-6-VOC

Quant Time: Oct 24 01:38:07 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)

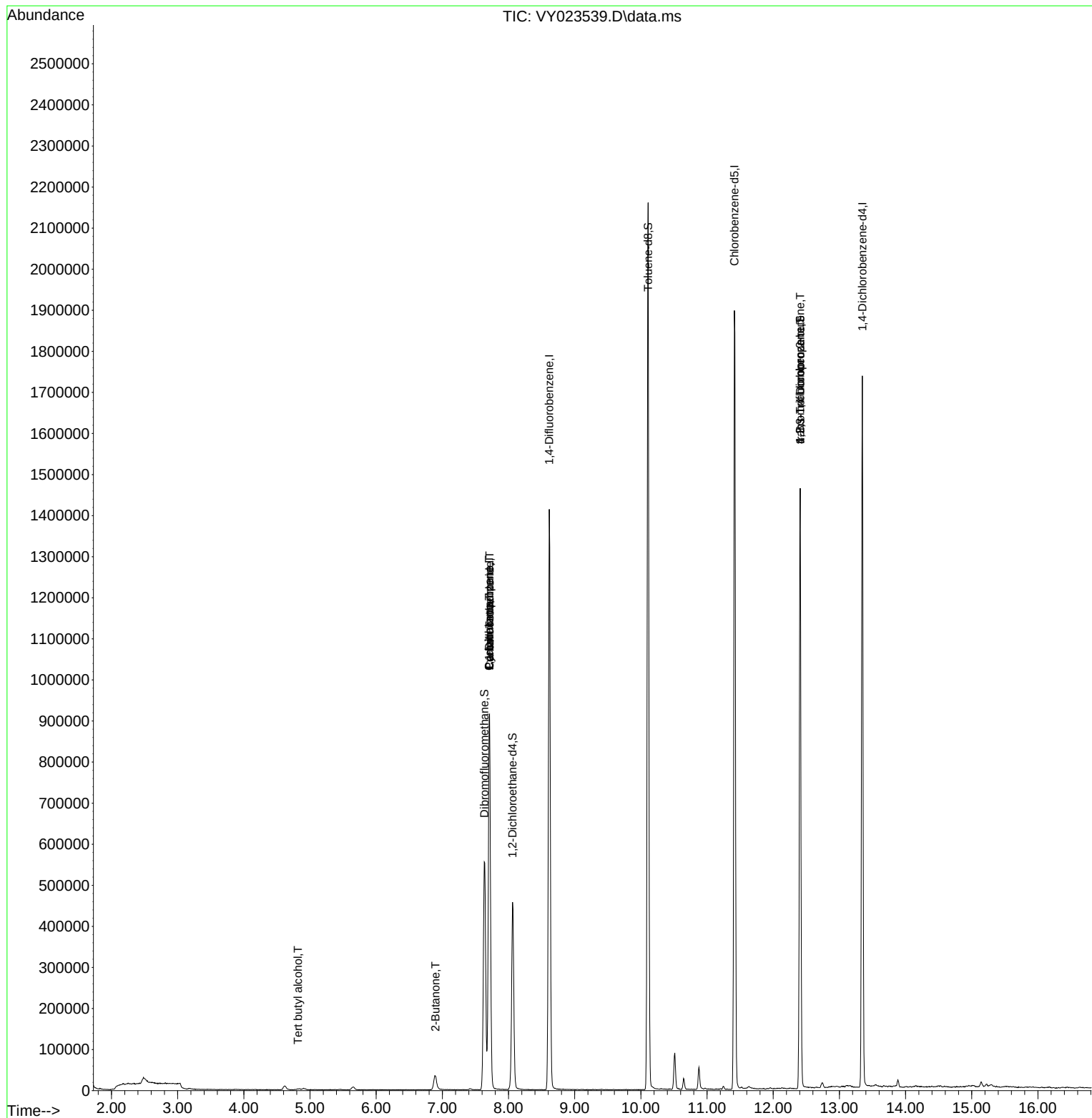
Internal Standards						
1) Pentafluorobenzene	7.713	168	785628	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1287276	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1118313	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	471402	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	351428	53.494	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.980%	
35) Dibromofluoromethane	7.634	113	410441	51.891	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.780%	
50) Toluene-d8	10.109	98	1460077	49.567	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.140%	
62) 4-Bromofluorobenzene	12.407	95	429018	44.115	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 88.220%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.817	59	2960	6.056	ug/l #	72
25) 2-Butanone	6.896	43	2216	1.161	ug/l #	79
31) Cyclohexane	7.707	56	12562	1.149	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	50799	4.851	ug/l #	47
38) Carbon Tetrachloride	7.713	117	71543	5.634	ug/l #	16
76) 1,2,3-Trichloropropane	12.407	75	206904	49.748	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	206904	121.992	ug/l #	15

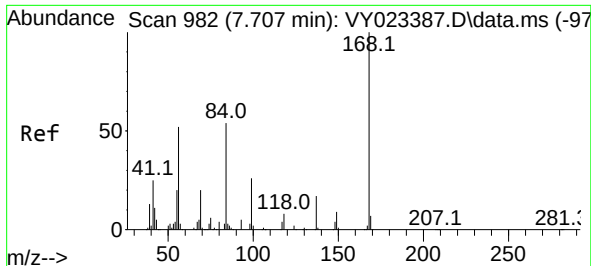
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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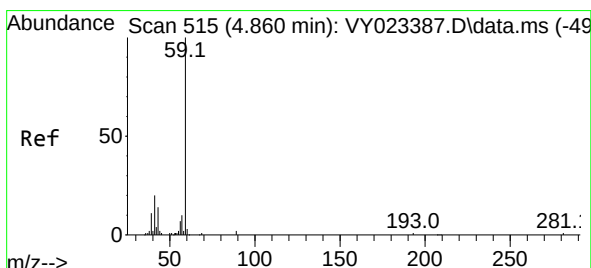
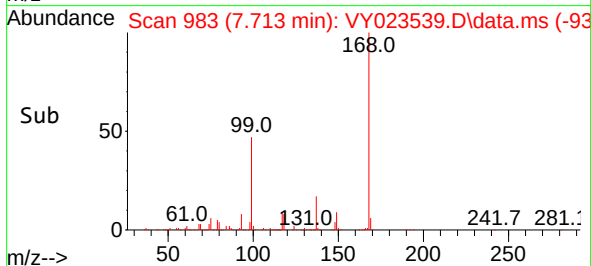
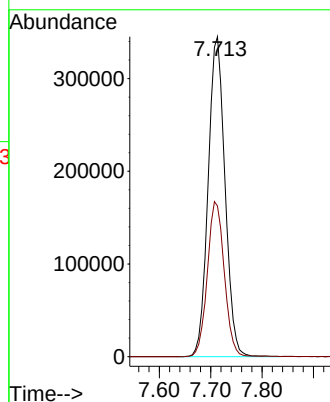
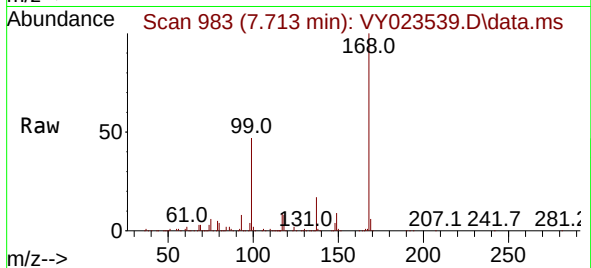




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023539.D
Acq: 21 Oct 2025 16:57

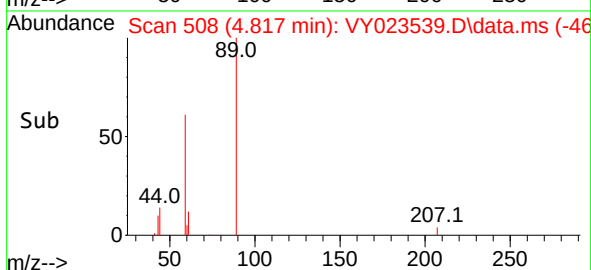
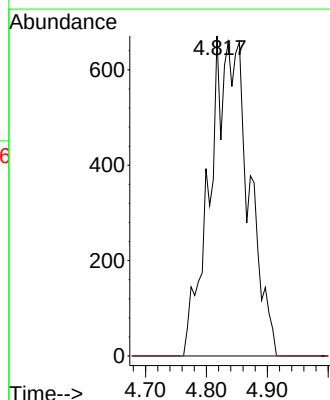
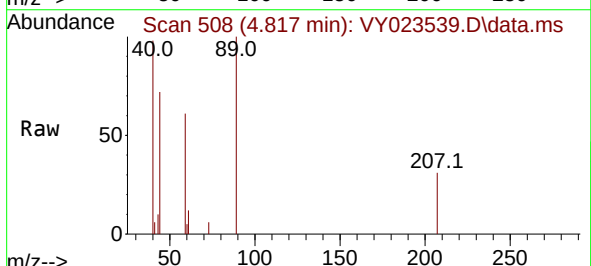
Instrument :
MSVOA_Y
ClientSampleId :
TP-6-VOC

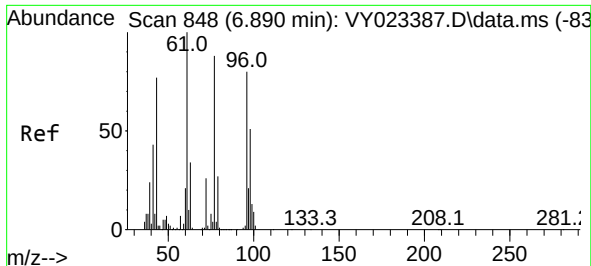
Tgt Ion:168 Resp: 785628
Ion Ratio Lower Upper
168 100
99 47.1 39.7 59.5



#11
Tert butyl alcohol
Concen: 6.056 ug/l
RT: 4.817 min Scan# 508
Delta R.T. -0.043 min
Lab File: VY023539.D
Acq: 21 Oct 2025 16:57

Tgt Ion: 59 Resp: 2960
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

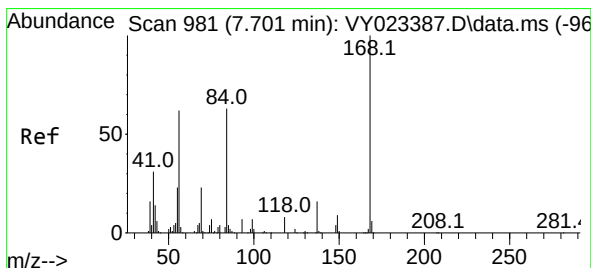
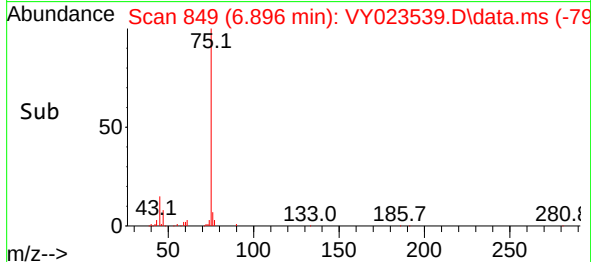
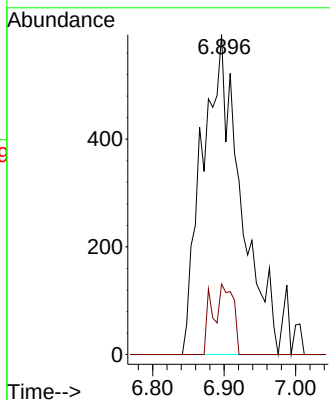
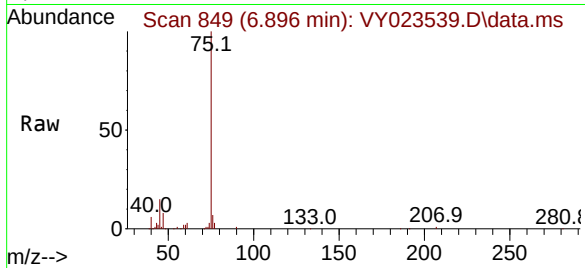




#25
2-Butanone
Concen: 1.161 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY023539.D
Acq: 21 Oct 2025 16:57

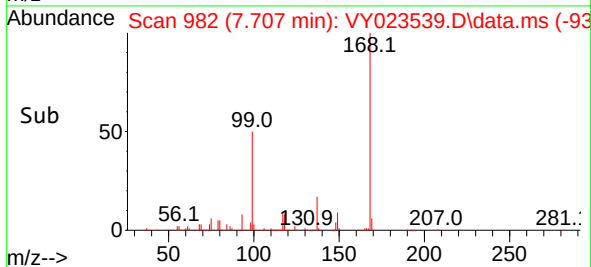
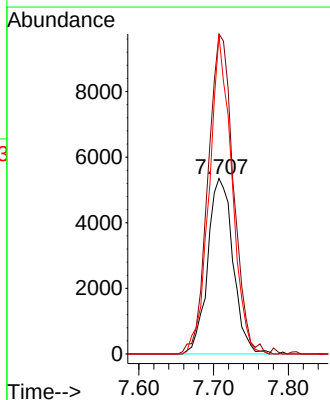
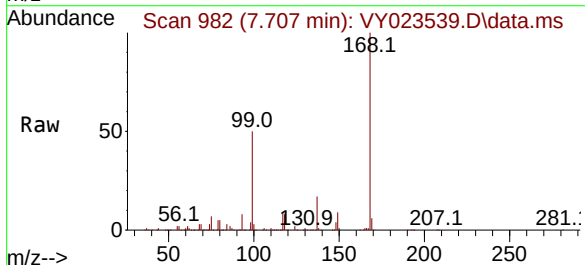
Instrument :
MSVOA_Y
ClientSampleId :
TP-6-VOC

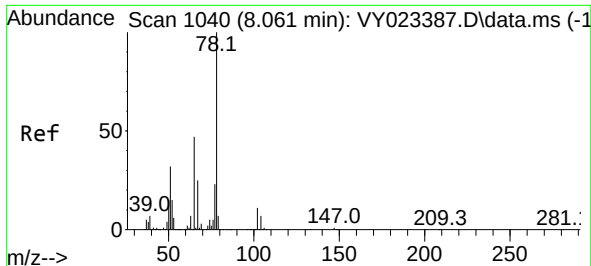
Tgt Ion: 43 Resp: 2216
Ion Ratio Lower Upper
43 100
72 22.1 27.4 41.2#



#31
Cyclohexane
Concen: 1.149 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023539.D
Acq: 21 Oct 2025 16:57

Tgt Ion: 56 Resp: 12562
Ion Ratio Lower Upper
56 100
69 182.3 30.0 45.0#
84 181.6 81.2 121.8#





#33

1,2-Dichloroethane-d4

Concen: 53.494 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. -0.000 min

Lab File: VY023539.D

Acq: 21 Oct 2025 16:57

Instrument :

MSVOA_Y

ClientSampleId :

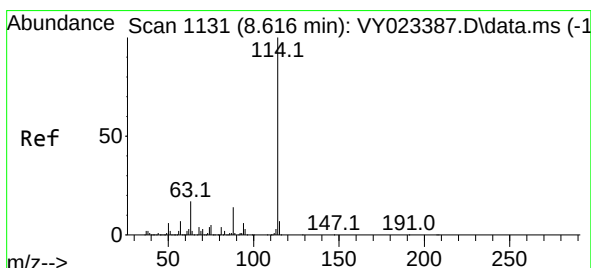
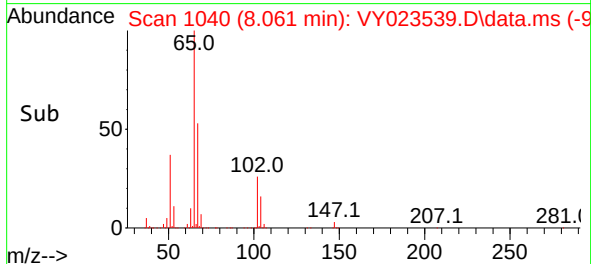
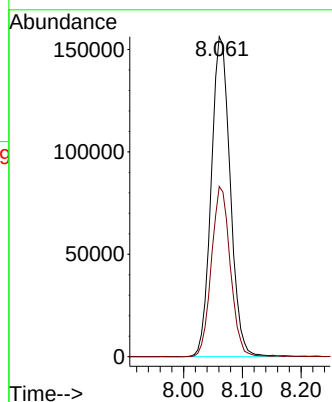
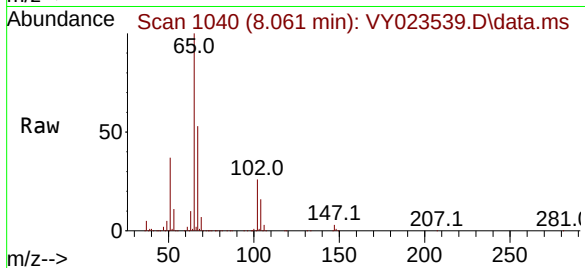
TP-6-VOC

Tgt Ion: 65 Resp: 351428

Ion Ratio Lower Upper

65 100

67 52.8 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: VY023539.D

Acq: 21 Oct 2025 16:57

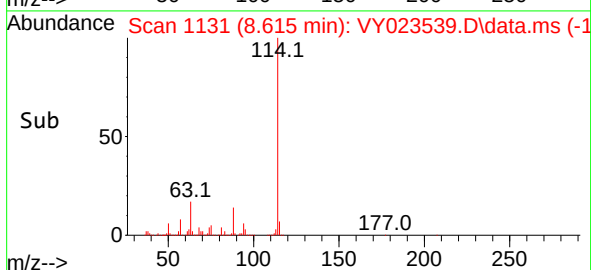
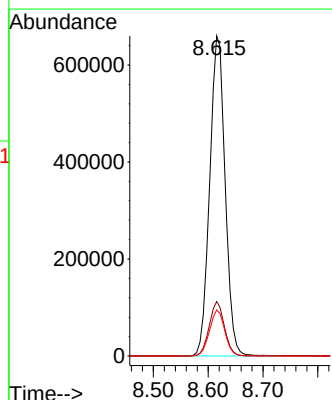
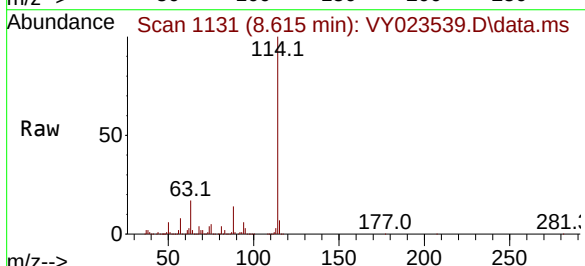
Tgt Ion:114 Resp: 1287276

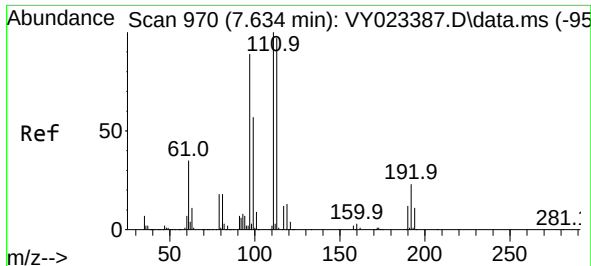
Ion Ratio Lower Upper

114 100

63 17.0 0.0 34.2

88 14.4 0.0 28.4

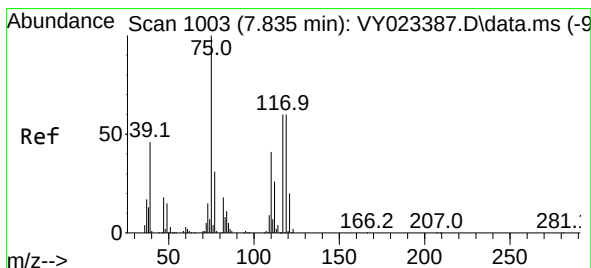
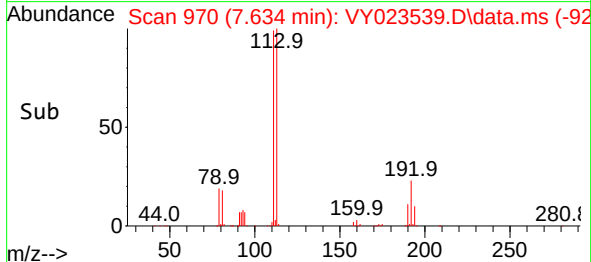
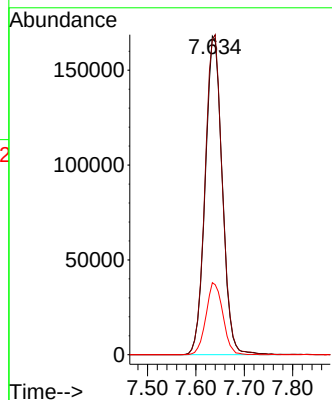
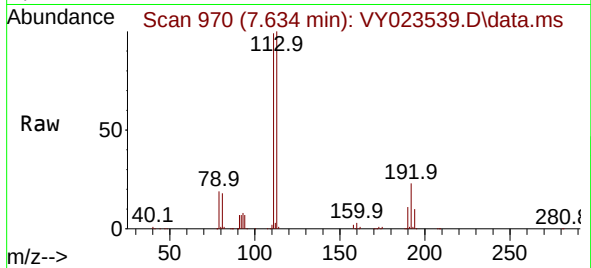




#35
Dibromofluoromethane
Concen: 51.891 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023539.D
Acq: 21 Oct 2025 16:57

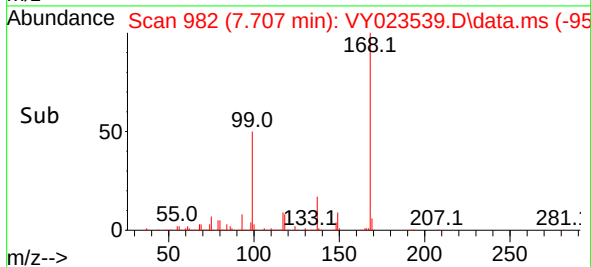
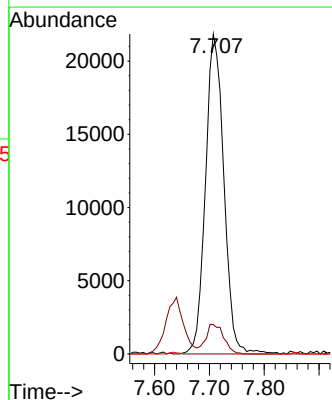
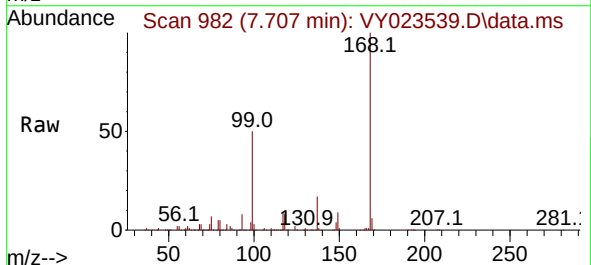
Instrument :
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ClientSampleId :
TP-6-VOC

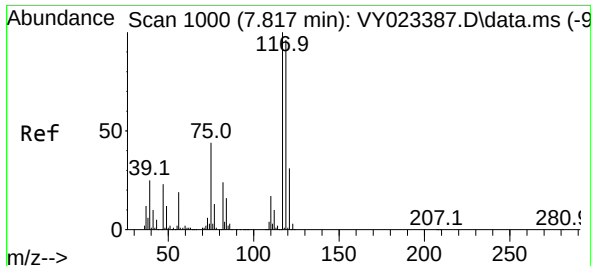
Tgt Ion:113 Resp: 410441
Ion Ratio Lower Upper
113 100
111 101.4 81.8 122.6
192 22.4 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.851 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY023539.D
Acq: 21 Oct 2025 16:57

Tgt Ion: 75 Resp: 50799
Ion Ratio Lower Upper
75 100
110 9.1 19.9 59.7#
77 0.0 25.0 37.6#

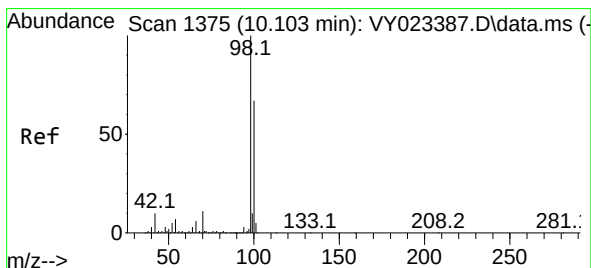
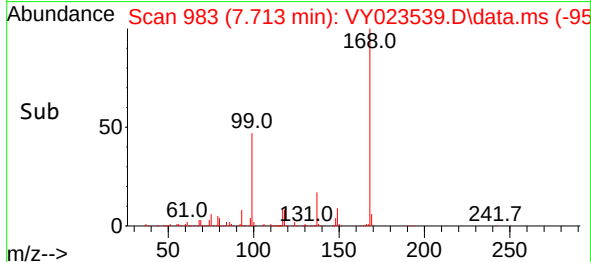
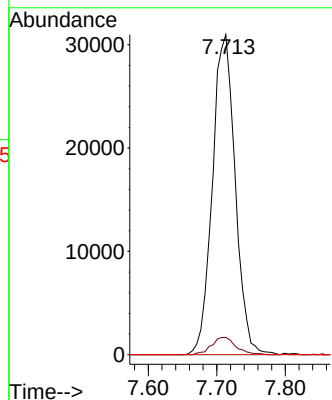
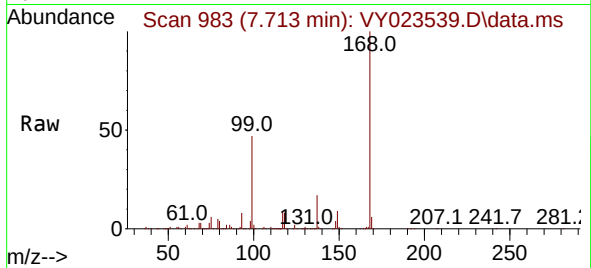




#38
Carbon Tetrachloride
Concen: 5.634 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023539.D
Acq: 21 Oct 2025 16:57

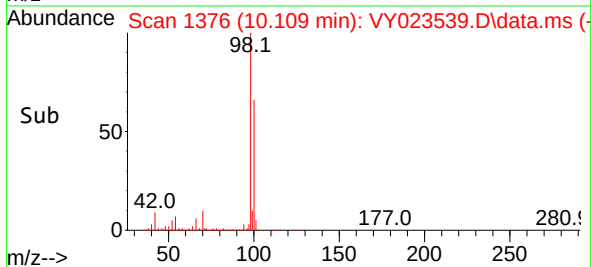
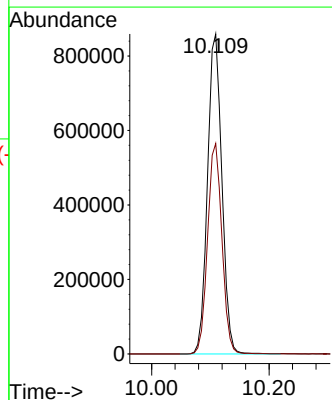
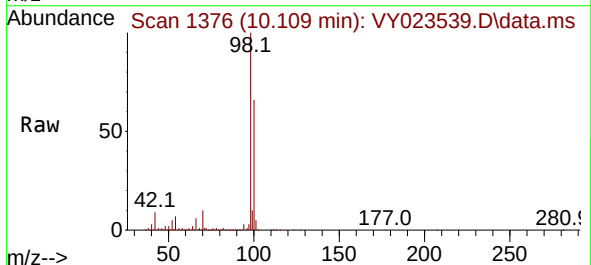
Instrument :
MSVOA_Y
ClientSampleId :
TP-6-VOC

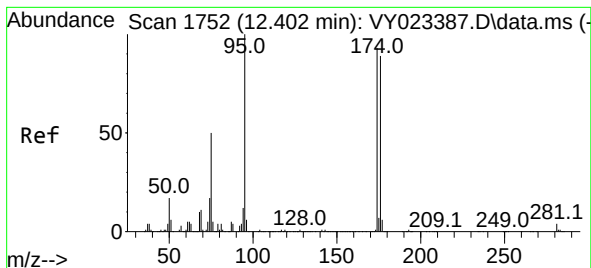
Tgt Ion:117 Resp: 71543
Ion Ratio Lower Upper
117 100
119 5.4 76.8 115.2#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 49.567 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023539.D
Acq: 21 Oct 2025 16:57

Tgt Ion: 98 Resp: 1460077
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.4

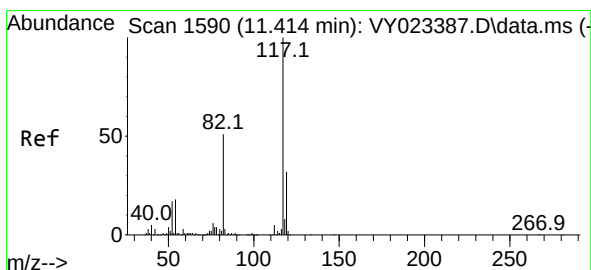
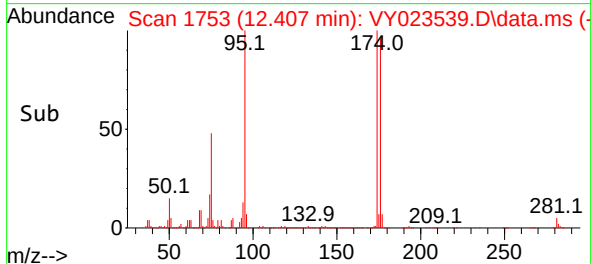
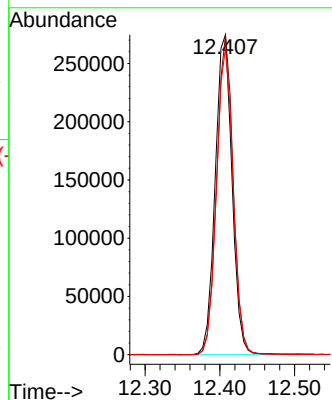
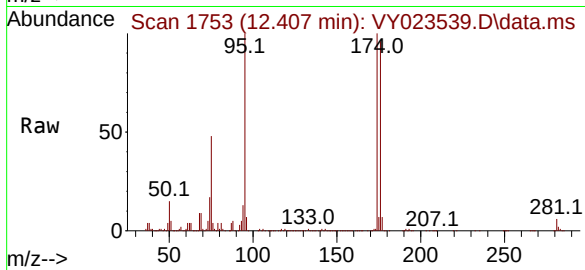




#62
4-Bromofluorobenzene
Concen: 44.115 ug/l
RT: 12.407 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023539.D
Acq: 21 Oct 2025 16:57

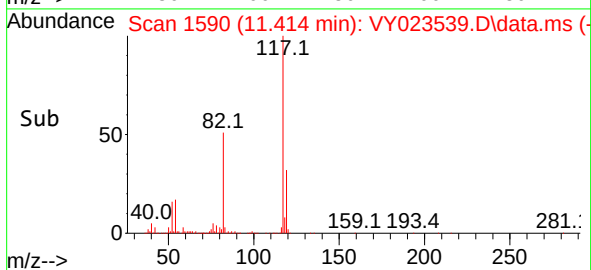
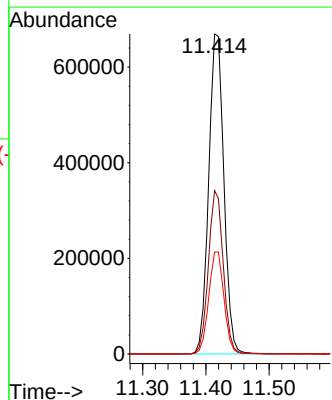
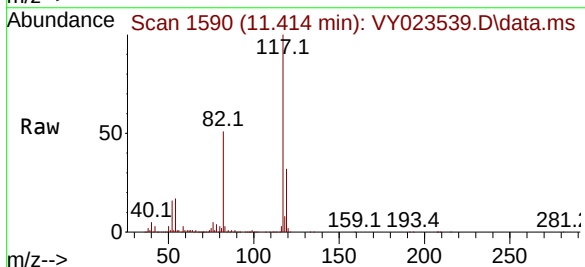
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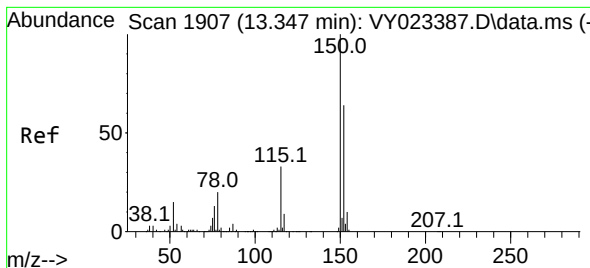
Tgt Ion: 95 Resp: 429018
Ion Ratio Lower Upper
95 100
174 98.3 0.0 192.8
176 95.0 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY023539.D
Acq: 21 Oct 2025 16:57

Tgt Ion: 117 Resp: 1118313
Ion Ratio Lower Upper
117 100
82 51.1 41.0 61.4
119 31.9 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: VY023539.D

Acq: 21 Oct 2025 16:57

Instrument :

MSVOA_Y

ClientSampleId :

TP-6-VOC

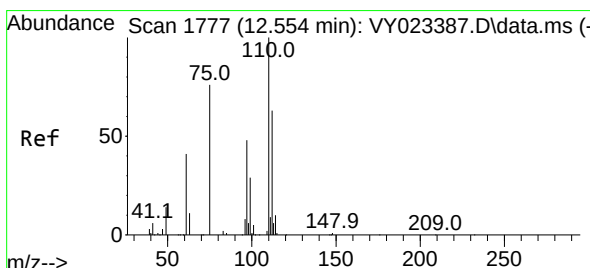
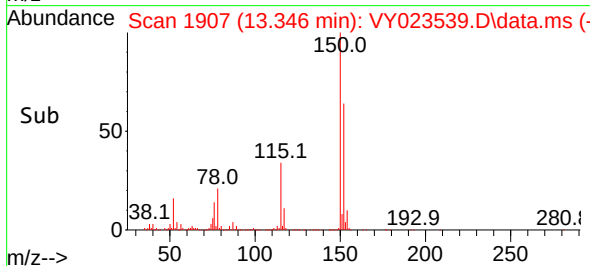
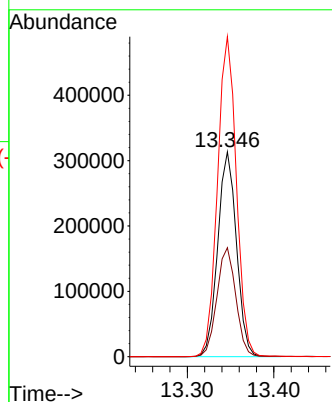
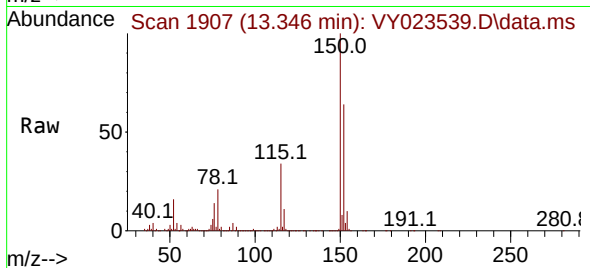
Tgt Ion:152 Resp: 471402

Ion Ratio Lower Upper

152 100

115 53.7 27.1 81.2

150 157.2 0.0 347.4



#76

1,2,3-Trichloropropane

Concen: 49.748 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023539.D

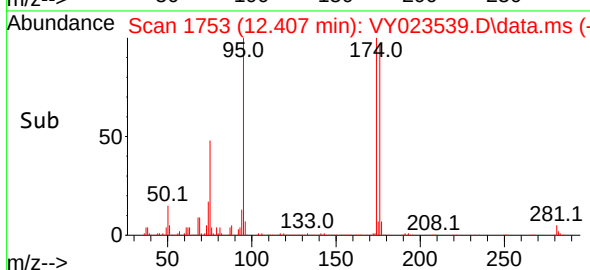
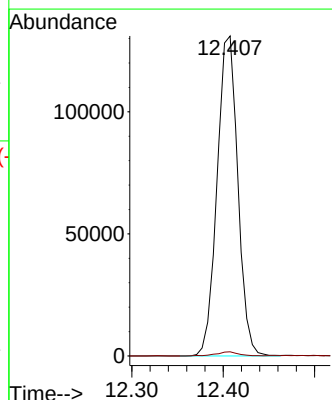
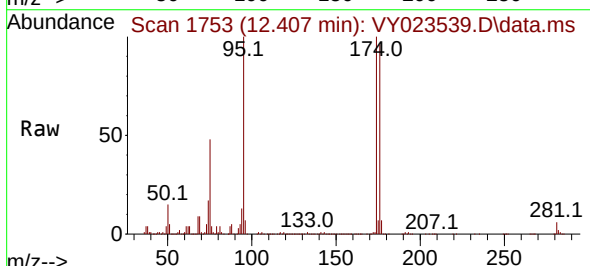
Acq: 21 Oct 2025 16:57

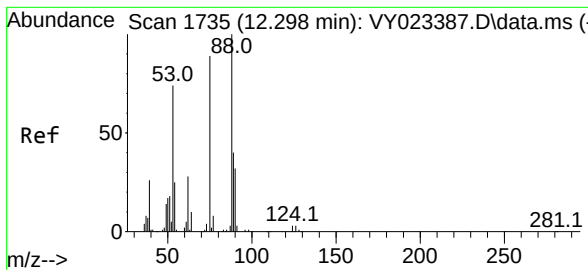
Tgt Ion: 75 Resp: 206904

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 121.992 ug/l
 RT: 12.407 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY023539.D
 Acq: 21 Oct 2025 16:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-6-VOC

Tgt Ion: 75 Resp: 206904
 Ion Ratio Lower Upper
 75 100
 53 0.3 68.6 102.8#
 89 0.1 39.0 58.4#

