

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
 Data File : VY023574.D
 Acq On : 24 Oct 2025 15:38
 Operator : SY/MD
 Sample : Q3451-07
 Misc : 5.47g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-12-VOC

Quant Time: Oct 24 23:53:15 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)

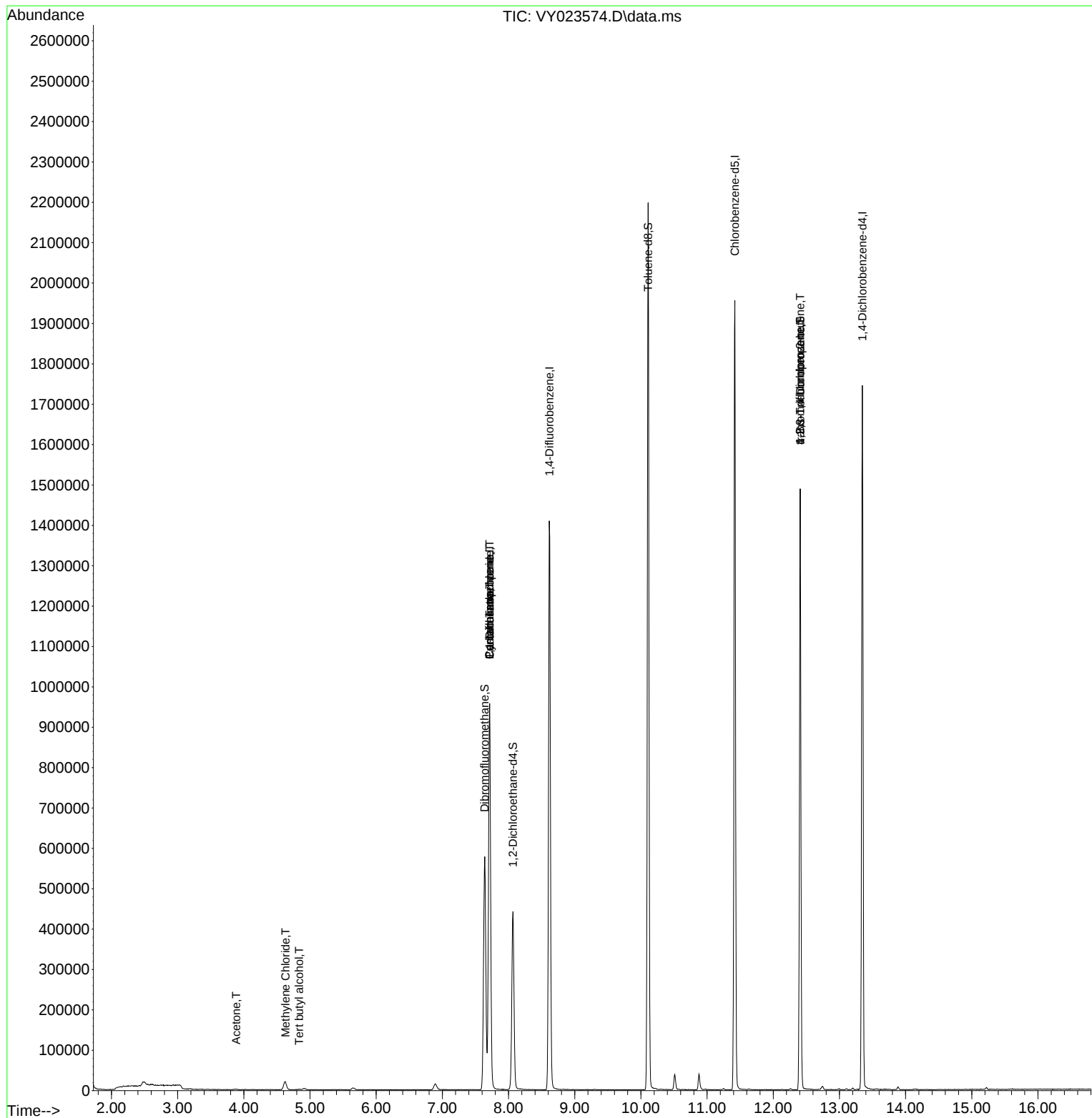
Internal Standards						
1) Pentafluorobenzene	7.713	168	808514	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1322725	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1126131	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	486599	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	342267	50.624	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.240%	
35) Dibromofluoromethane	7.640	113	414987	51.059	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.120%	
50) Toluene-d8	10.109	98	1465168	48.407	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.820%	
62) 4-Bromofluorobenzene	12.408	95	433372	43.368	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 86.740%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.836	59	1034	2.056	ug/l #	72
16) Acetone	3.885	43	1776	1.103	ug/l	98
20) Methylene Chloride	4.628	84	15891	1.826	ug/l	96
31) Cyclohexane	7.713	56	12510	1.112	ug/l #	3
36) 1,1-Dichloropropene	7.713	75	48853	4.540	ug/l #	48
38) Carbon Tetrachloride	7.713	117	70932	5.437	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	204736	47.690	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	204736	116.944	ug/l #	14

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

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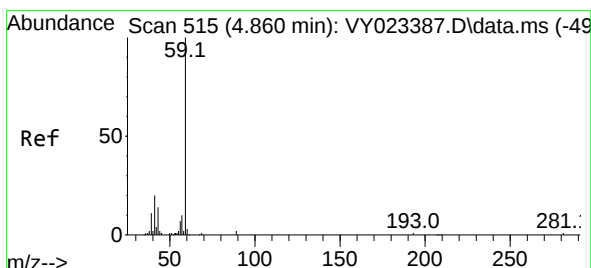
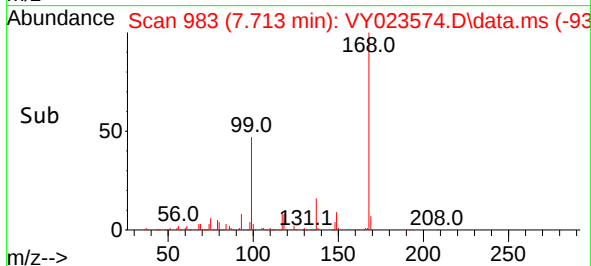
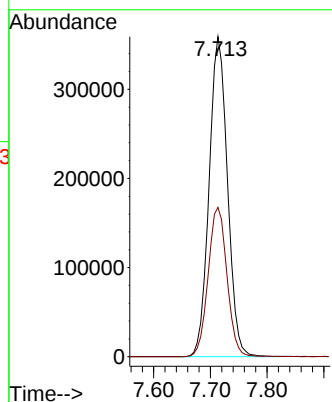
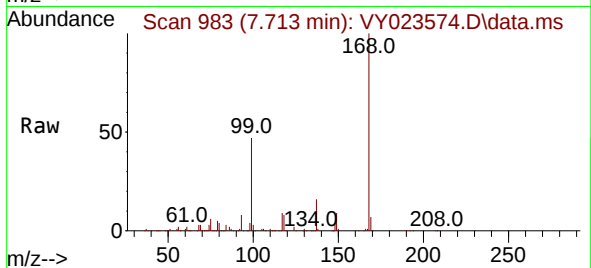




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023574.D
Acq: 24 Oct 2025 15:38

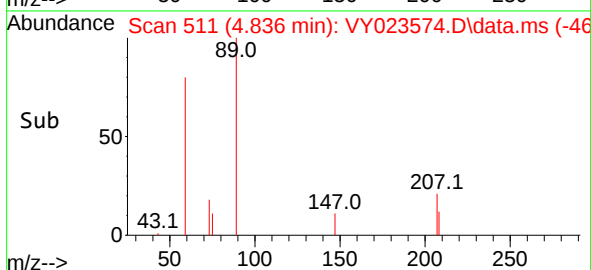
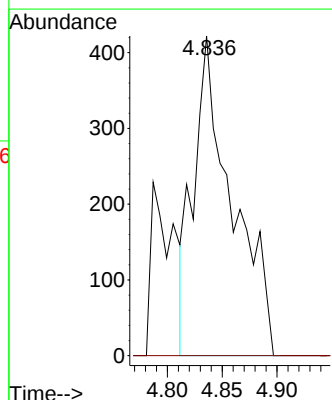
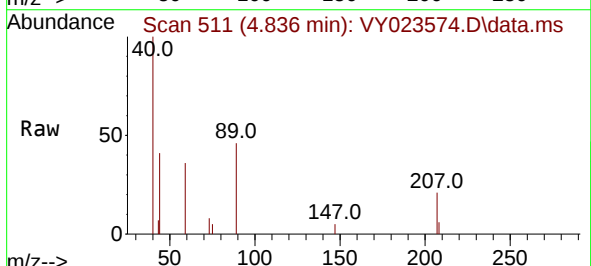
Instrument :
MSVOA_Y
ClientSampleId :
TP-12-VOC

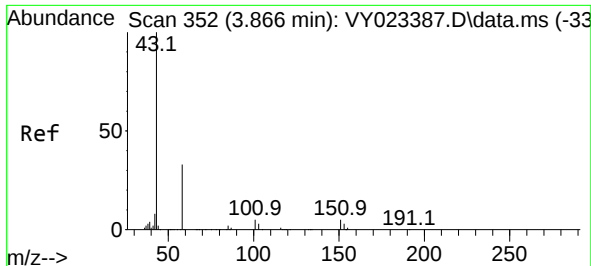
Tgt Ion:168 Resp: 808514
Ion Ratio Lower Upper
168 100
99 46.7 39.7 59.5



#11
Tert butyl alcohol
Concen: 2.056 ug/l
RT: 4.836 min Scan# 511
Delta R.T. -0.024 min
Lab File: VY023574.D
Acq: 24 Oct 2025 15:38

Tgt Ion: 59 Resp: 1034
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

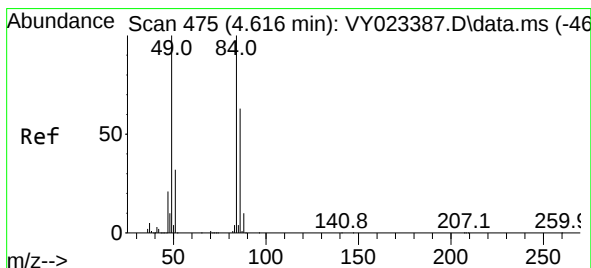
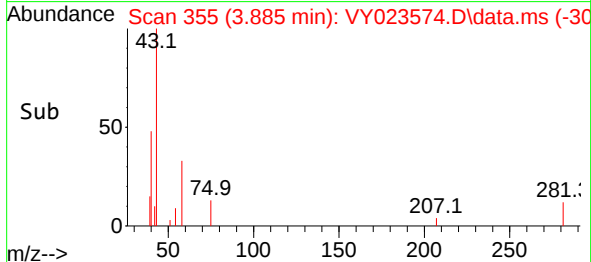
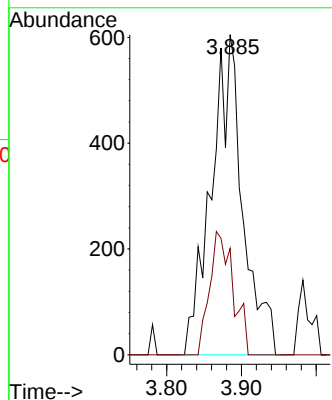
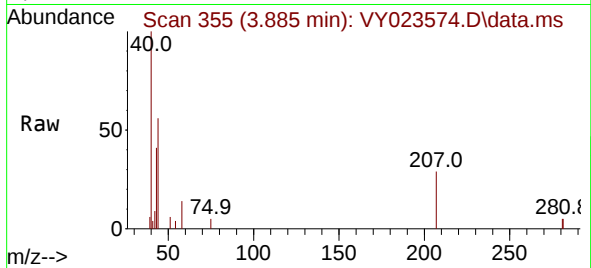




#16
Acetone
Concen: 1.103 ug/l
RT: 3.885 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY023574.D
Acq: 24 Oct 2025 15:38

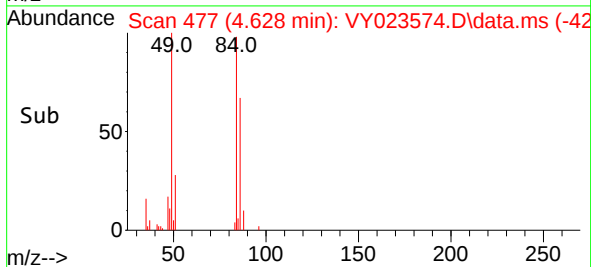
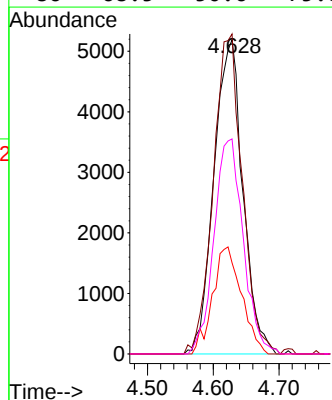
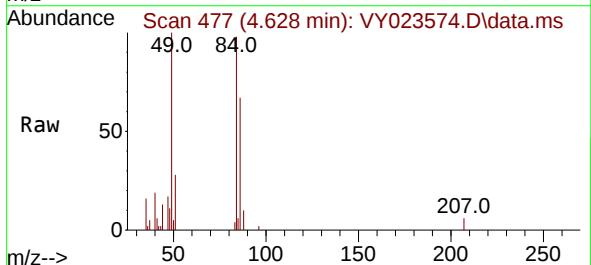
Instrument :
MSVOA_Y
ClientSampleId :
TP-12-VOC

Tgt Ion: 43 Resp: 1776
Ion Ratio Lower Upper
43 100
58 33.2 27.7 41.5



#20
Methylene Chloride
Concen: 1.826 ug/l
RT: 4.628 min Scan# 477
Delta R.T. 0.012 min
Lab File: VY023574.D
Acq: 24 Oct 2025 15:38

Tgt Ion: 84 Resp: 15891
Ion Ratio Lower Upper
84 100
49 101.9 80.2 120.4
51 29.0 25.9 38.9
86 68.5 50.6 75.8

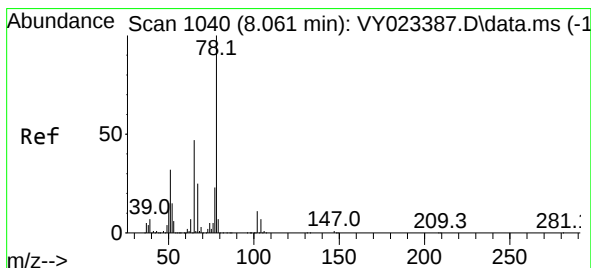
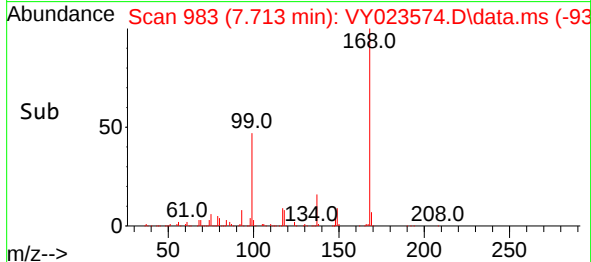
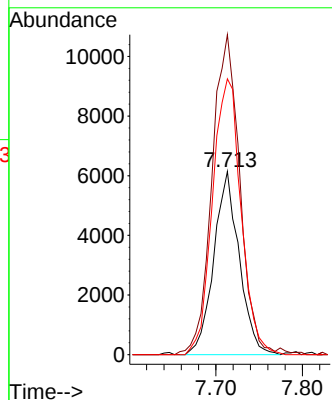
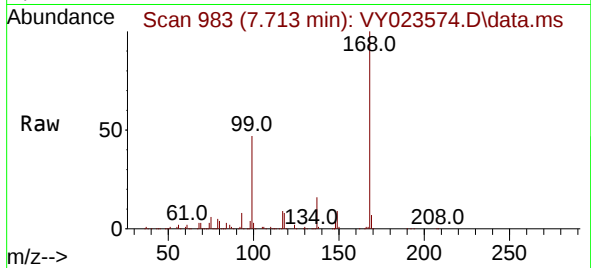




#31
Cyclohexane
Concen: 1.112 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY023574.D
Acq: 24 Oct 2025 15:38

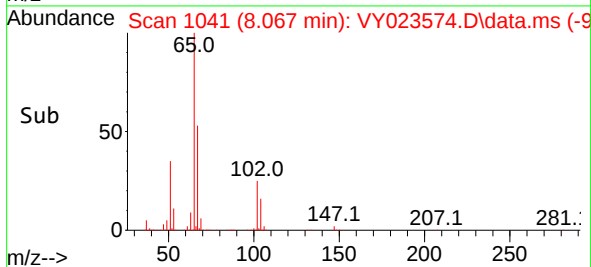
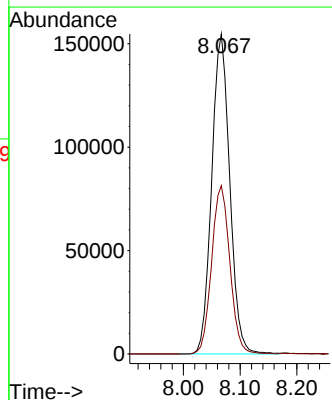
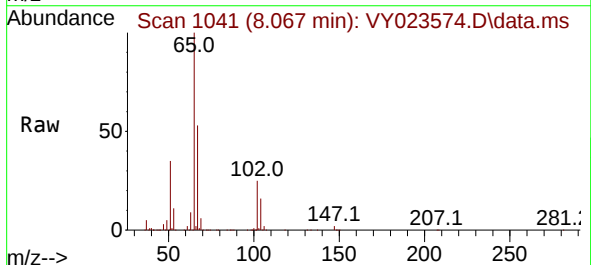
Instrument :
MSVOA_Y
ClientSampleId :
TP-12-VOC

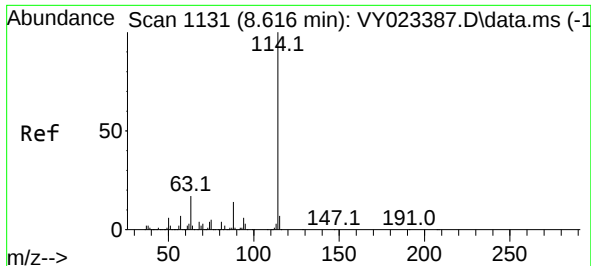
Tgt Ion: 56 Resp: 12510
Ion Ratio Lower Upper
56 100
69 173.0 30.0 45.0#
84 150.6 81.2 121.8#



#33
1,2-Dichloroethane-d4
Concen: 50.624 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023574.D
Acq: 24 Oct 2025 15:38

Tgt Ion: 65 Resp: 342267
Ion Ratio Lower Upper
65 100
67 53.2 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023574.D

Acq: 24 Oct 2025 15:38

Instrument :

MSVOA_Y

ClientSampleId :

TP-12-VOC

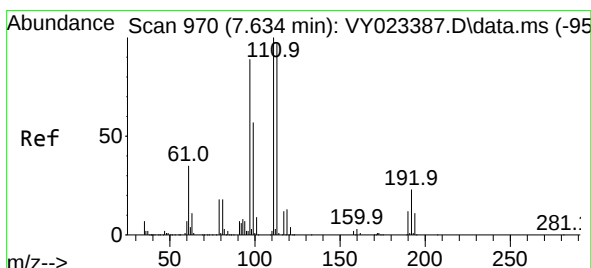
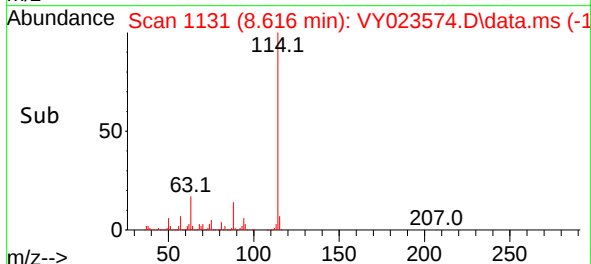
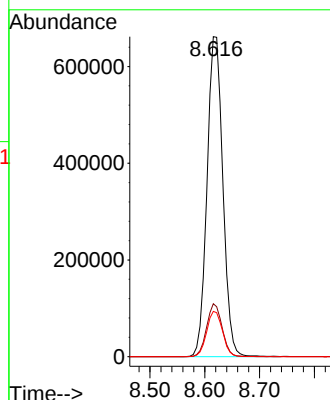
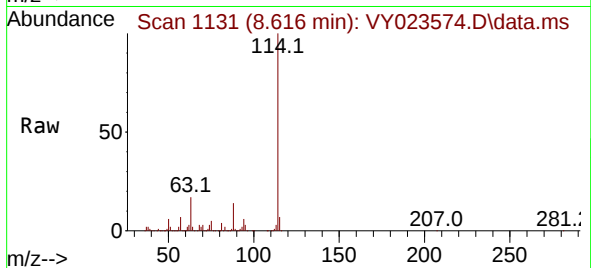
Tgt Ion:114 Resp: 1322725

Ion Ratio Lower Upper

114 100

63 16.6 0.0 34.2

88 14.1 0.0 28.4



#35

Dibromofluoromethane

Concen: 51.059 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY023574.D

Acq: 24 Oct 2025 15:38

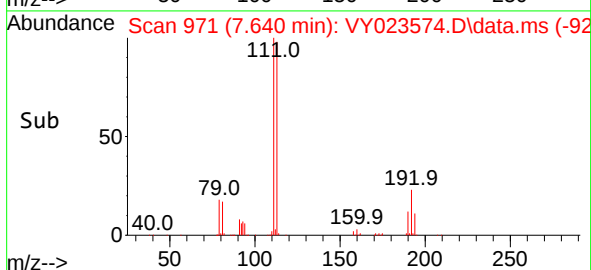
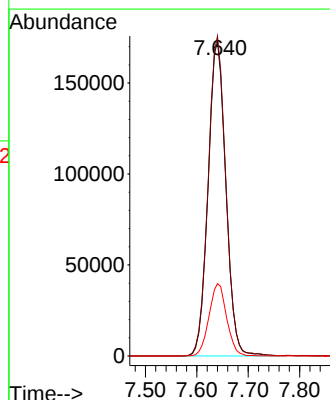
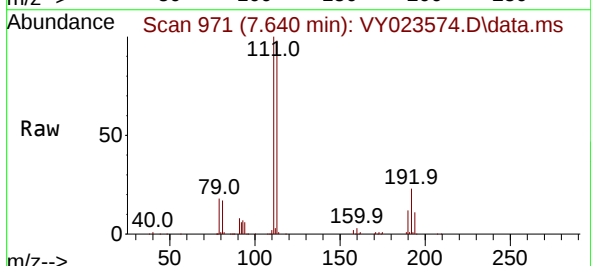
Tgt Ion:113 Resp: 414987

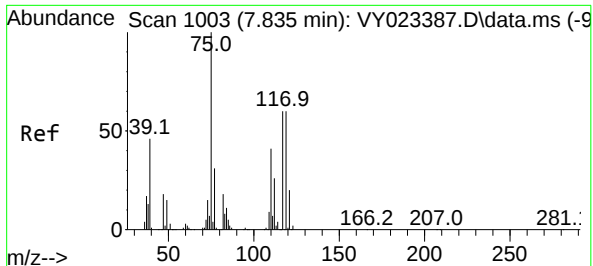
Ion Ratio Lower Upper

113 100

111 101.8 81.8 122.6

192 22.9 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.540 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.122 min

Lab File: VY023574.D

Acq: 24 Oct 2025 15:38

Instrument :

MSVOA_Y

ClientSampleId :

TP-12-VOC

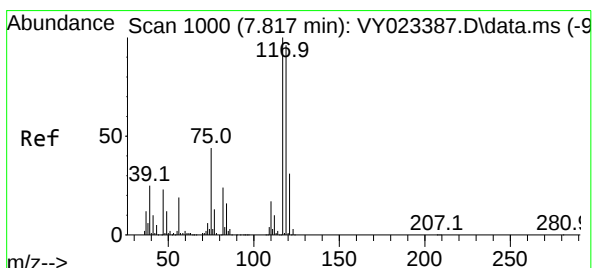
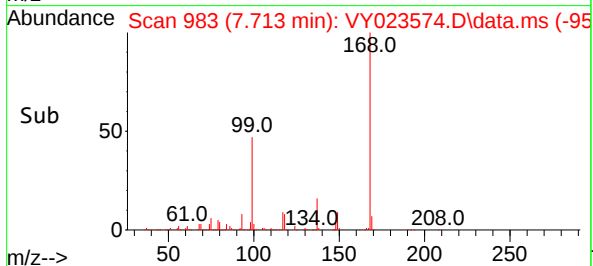
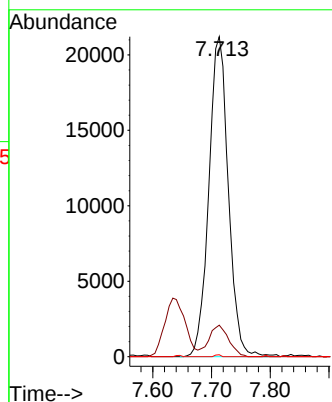
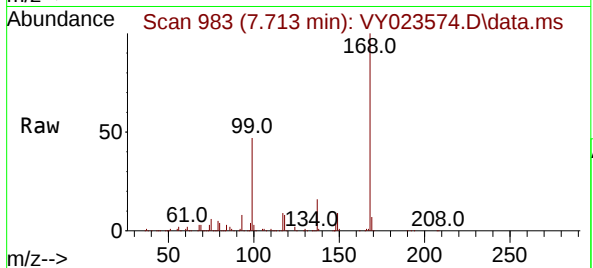
Tgt Ion: 75 Resp: 48853

Ion Ratio Lower Upper

75 100

110 10.1 19.9 59.7#

77 0.2 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.437 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023574.D

Acq: 24 Oct 2025 15:38

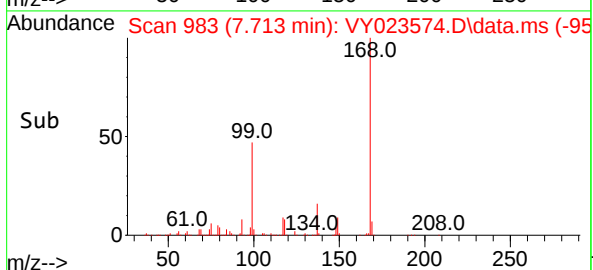
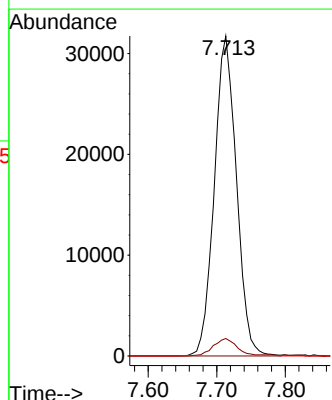
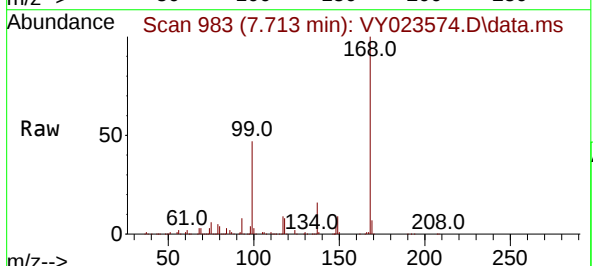
Tgt Ion: 117 Resp: 70932

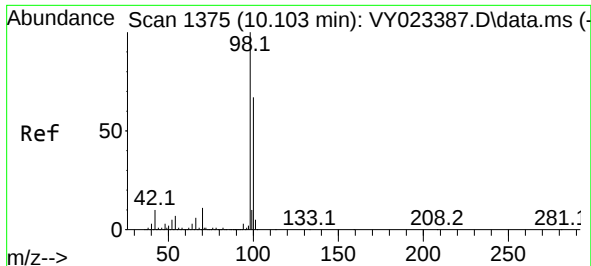
Ion Ratio Lower Upper

117 100

119 5.5 76.8 115.2#

121 0.0 24.5 36.7#

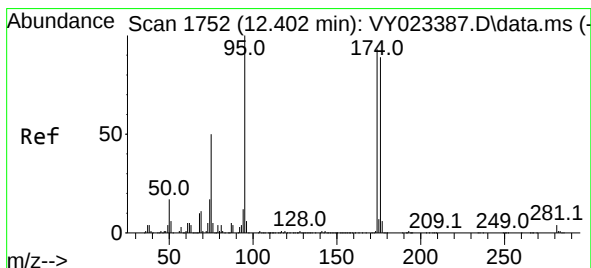
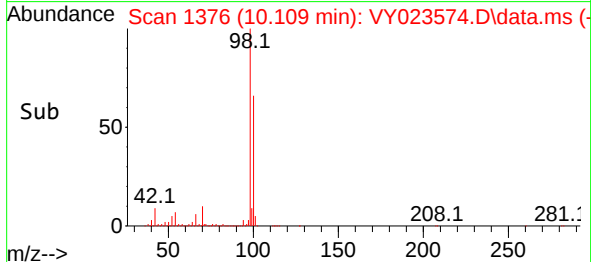
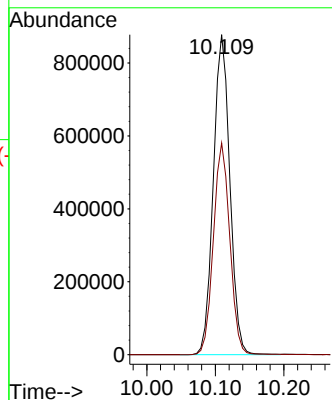
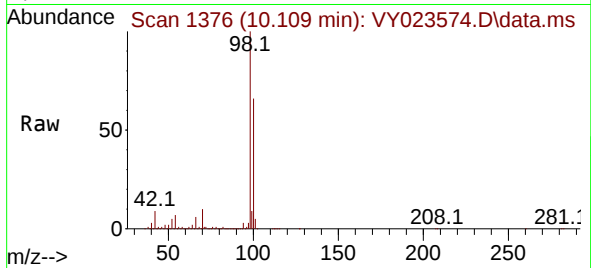




#50
Toluene-d8
Concen: 48.407 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023574.D
Acq: 24 Oct 2025 15:38

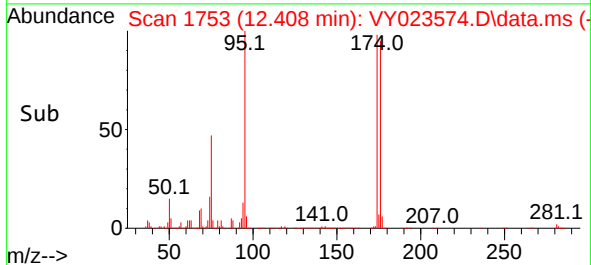
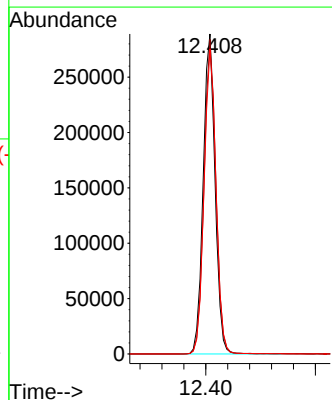
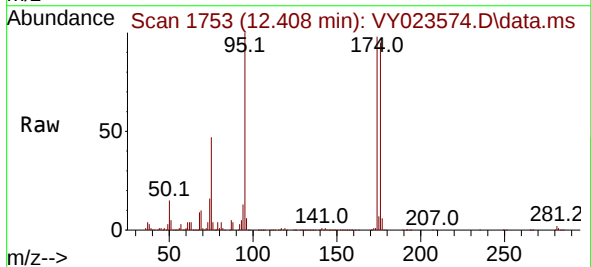
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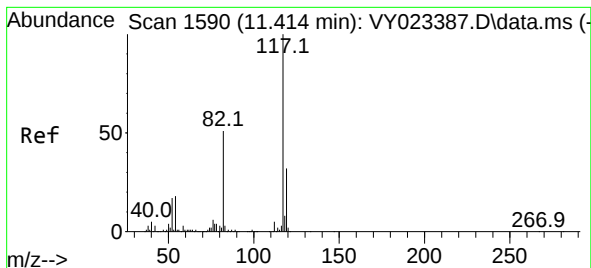
Tgt Ion: 98 Resp: 1465168
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 43.368 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023574.D
Acq: 24 Oct 2025 15:38

Tgt Ion: 95 Resp: 433372
Ion Ratio Lower Upper
95 100
174 98.1 0.0 192.8
176 96.1 0.0 187.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023574.D

Acq: 24 Oct 2025 15:38

Instrument :

MSVOA_Y

ClientSampleId :

TP-12-VOC

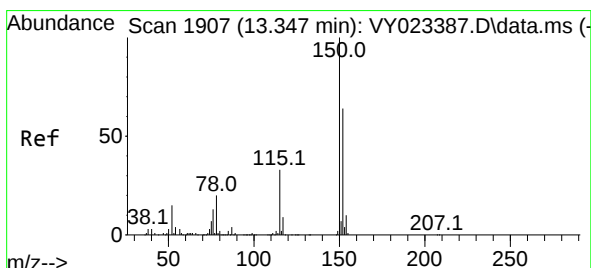
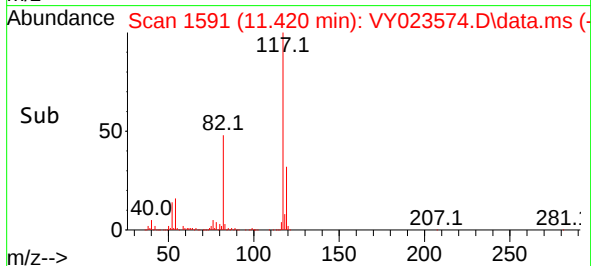
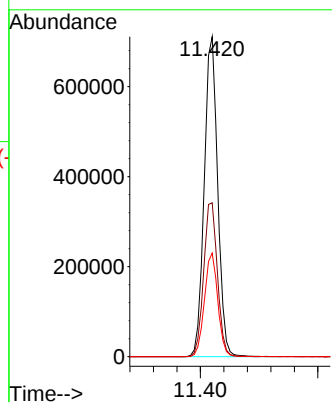
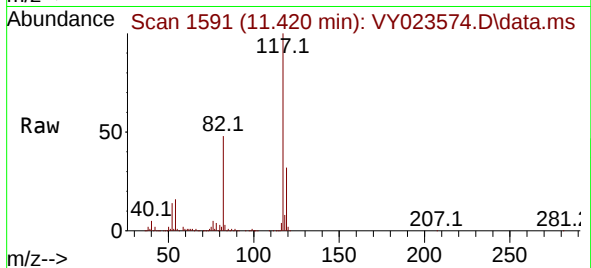
Tgt Ion:117 Resp: 1126131

Ion Ratio Lower Upper

117 100

82 48.1 41.0 61.4

119 32.4 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: VY023574.D

Acq: 24 Oct 2025 15:38

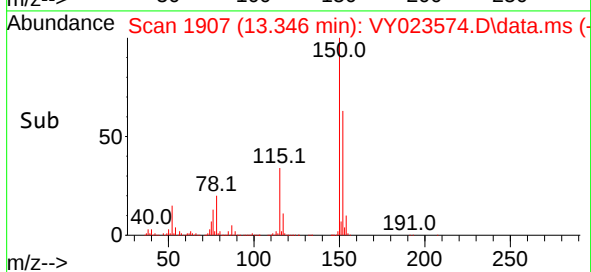
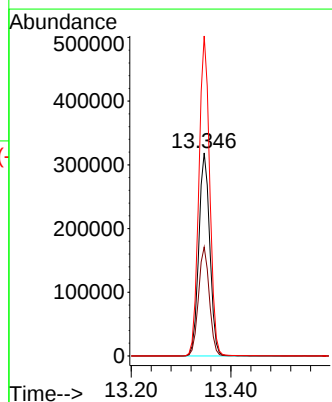
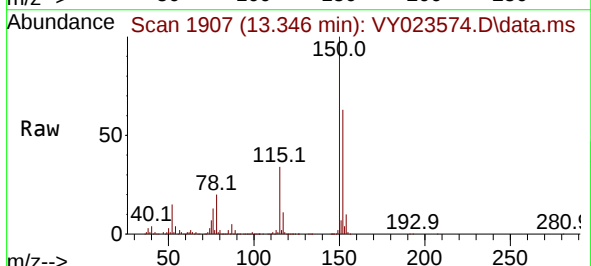
Tgt Ion:152 Resp: 486599

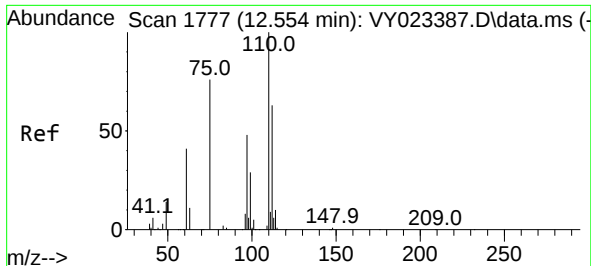
Ion Ratio Lower Upper

152 100

115 53.1 27.1 81.2

150 155.6 0.0 347.4

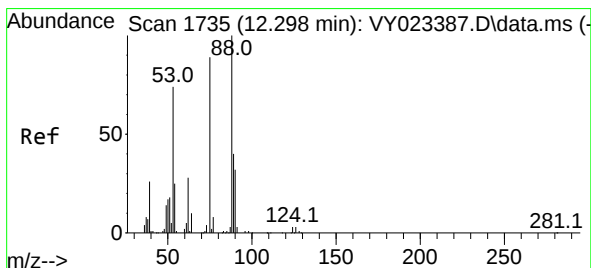
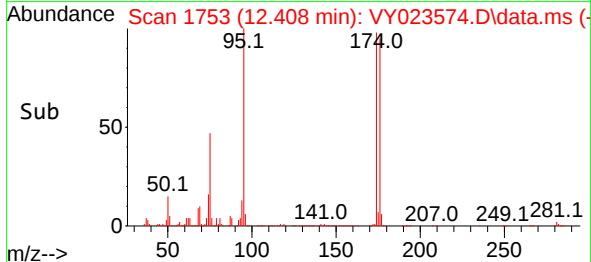
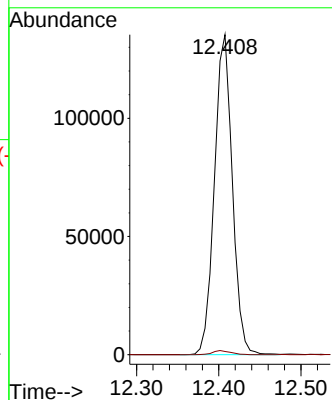
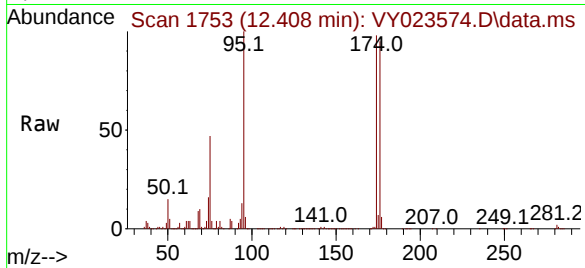




#76
1,2,3-Trichloropropane
Concen: 47.690 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY023574.D
Acq: 24 Oct 2025 15:38

Instrument :
MSVOA_Y
ClientSampleId :
TP-12-VOC

Tgt Ion: 75 Resp: 204736
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 116.944 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY023574.D
Acq: 24 Oct 2025 15:38

Tgt Ion: 75 Resp: 204736
Ion Ratio Lower Upper
75 100
53 0.1 68.6 102.8#
89 0.0 39.0 58.4#

