

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102225\
 Data File : VY023550.D
 Acq On : 22 Oct 2025 13:43
 Operator : SY/MD
 Sample : Q3427-03
 Misc : 4.78g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-8-VOC

Quant Time: Oct 24 02:35:16 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)

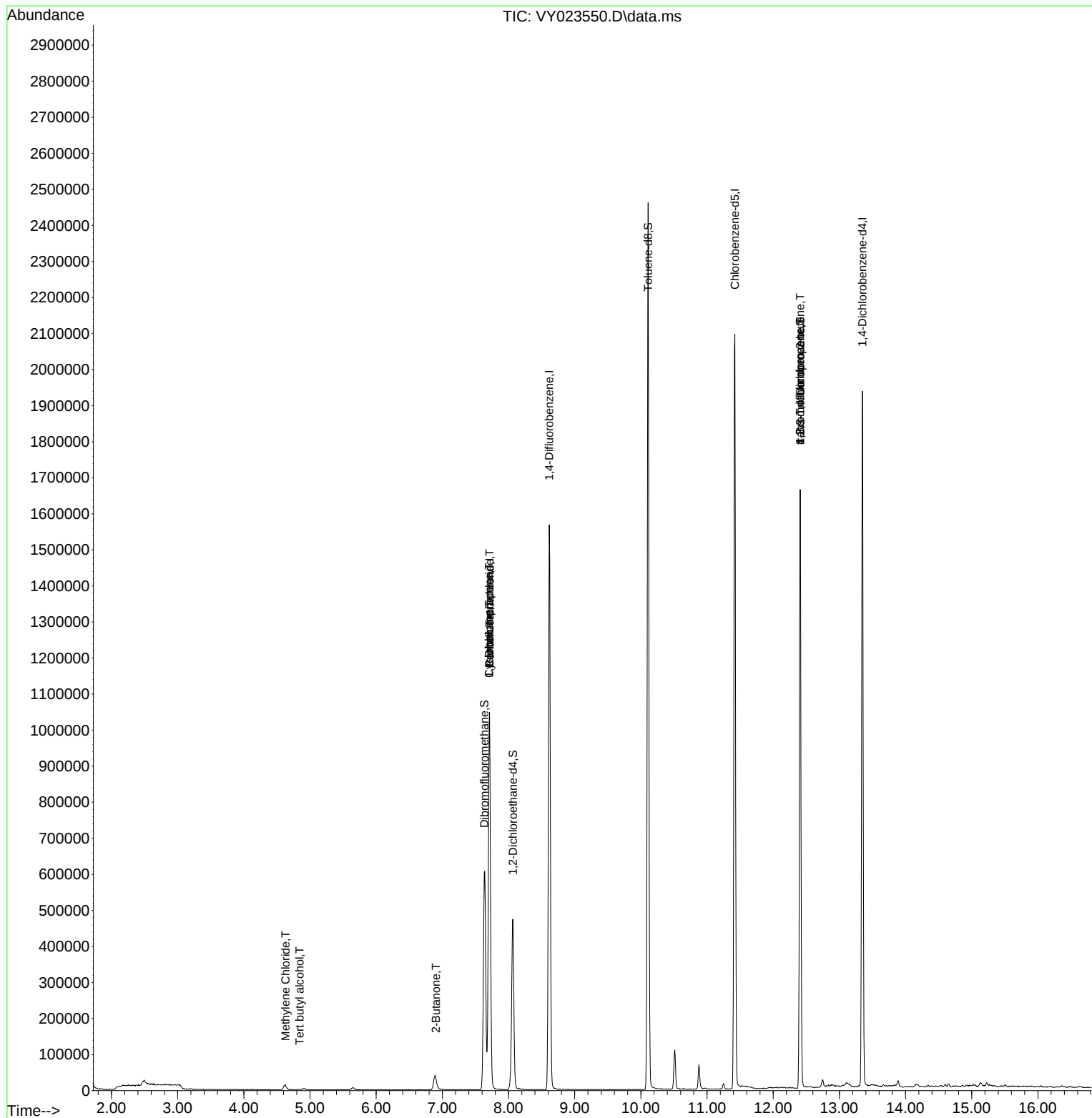
Internal Standards						
1) Pentafluorobenzene	7.713	168	895315	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1450527	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1228314	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	534197	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	361438	48.277	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.560%
35) Dibromofluoromethane	7.634	113	444748	49.900	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.800%
50) Toluene-d8	10.109	98	1617805	48.741	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.480%
62) 4-Bromofluorobenzene	12.408	95	484349	44.199	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.400%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.842	59	1272	2.284	ug/l #	72
20) Methylene Chloride	4.629	84	10785	1.119	ug/l	93
25) 2-Butanone	6.903	43	2204	1.013	ug/l #	70
31) Cyclohexane	7.707	56	14571	1.170	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	56069	4.752	ug/l #	48
38) Carbon Tetrachloride	7.713	117	80446	5.623	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	231659	49.153	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	231659	120.532	ug/l #	14

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

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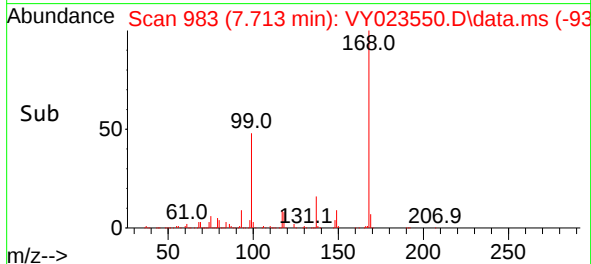
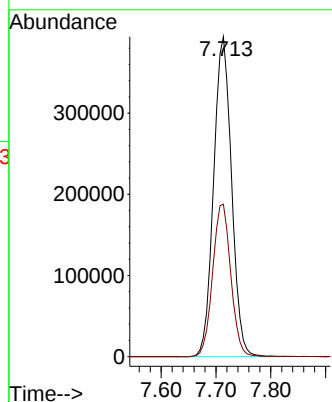
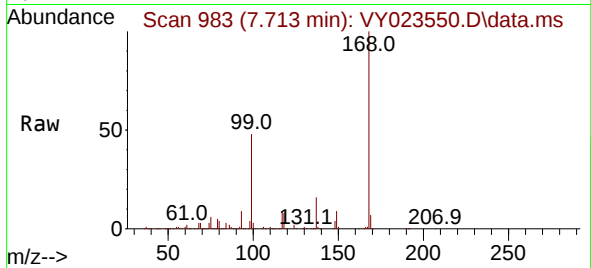




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023550.D
Acq: 22 Oct 2025 13:43

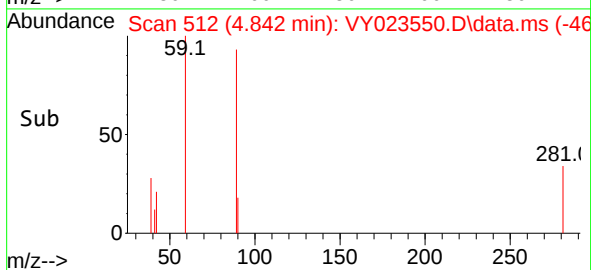
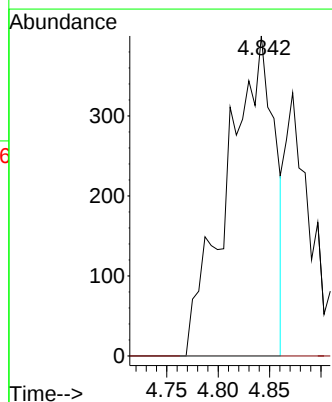
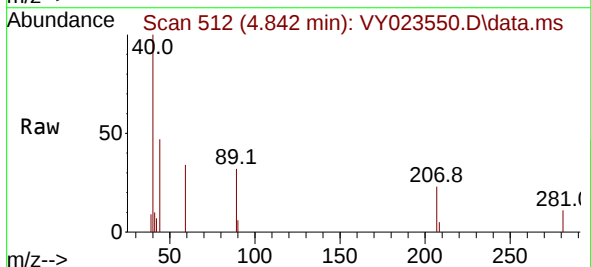
Instrument :
MSVOA_Y
ClientSampleId :
TP-8-VOC

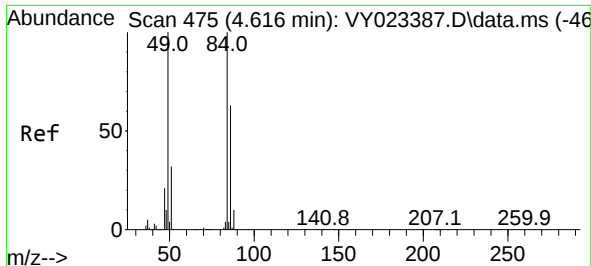
Tgt Ion:168 Resp: 895315
Ion Ratio Lower Upper
168 100
99 47.7 39.7 59.5



#11
Tert butyl alcohol
Concen: 2.284 ug/l
RT: 4.842 min Scan# 512
Delta R.T. -0.018 min
Lab File: VY023550.D
Acq: 22 Oct 2025 13:43

Tgt Ion: 59 Resp: 1272
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

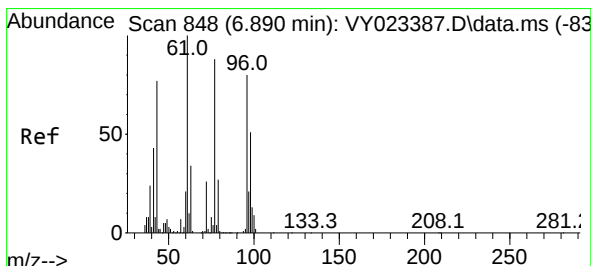
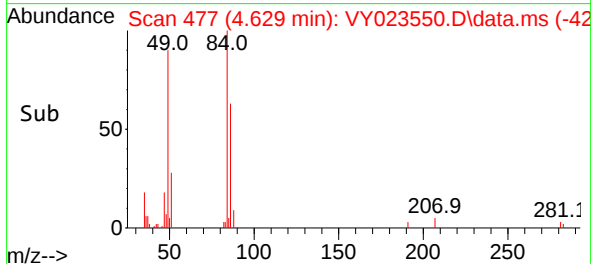
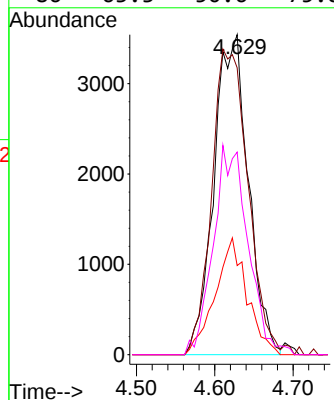
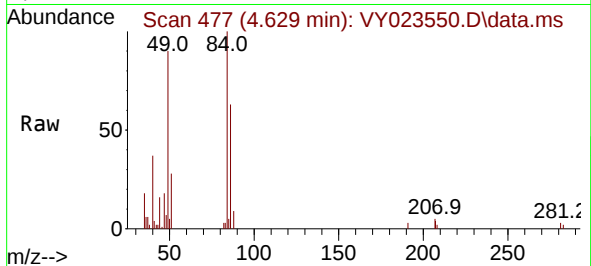




#20
Methylene Chloride
Concen: 1.119 ug/l
RT: 4.629 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY023550.D
Acq: 22 Oct 2025 13:43

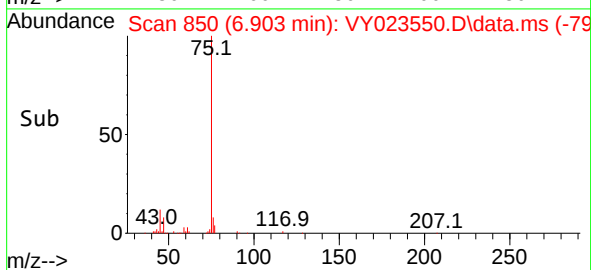
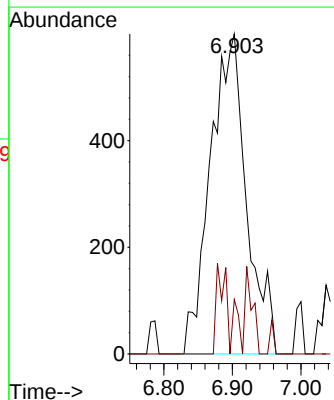
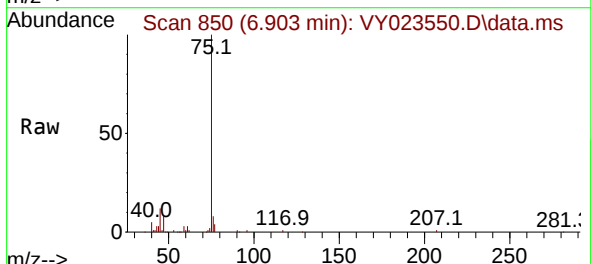
Instrument :
MSVOA_Y
ClientSampleId :
TP-8-VOC

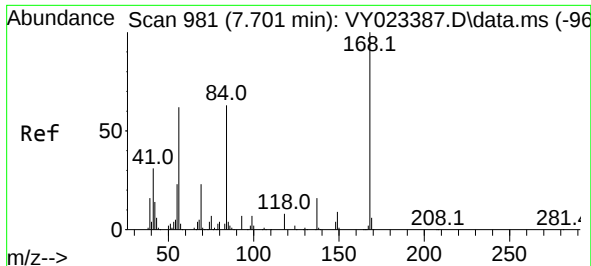
Tgt Ion:	84	Resp:	10785
Ion	Ratio	Lower	Upper
84	100		
49	89.6	80.2	120.4
51	27.8	25.9	38.9
86	63.3	50.6	75.8



#25
2-Butanone
Concen: 1.013 ug/l
RT: 6.903 min Scan# 850
Delta R.T. 0.012 min
Lab File: VY023550.D
Acq: 22 Oct 2025 13:43

Tgt Ion:	43	Resp:	2204
Ion	Ratio	Lower	Upper
43	100		
72	17.0	27.4	41.2#

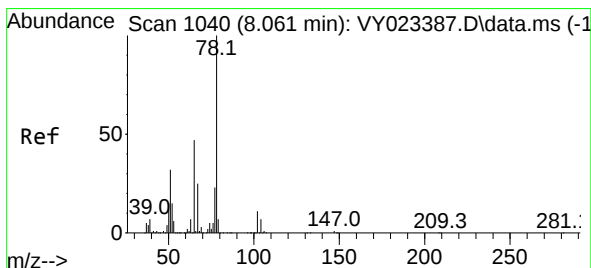
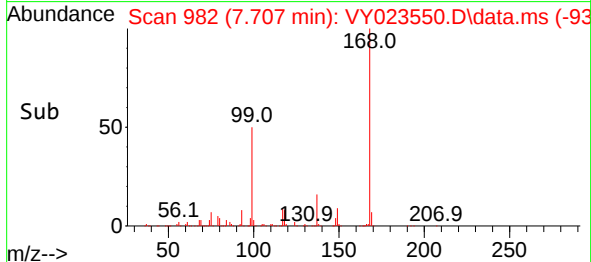
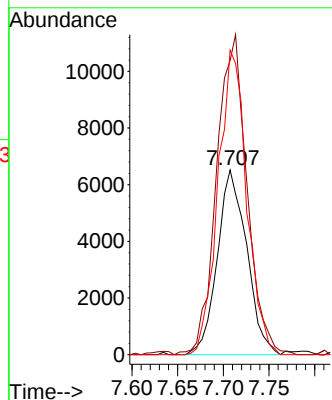
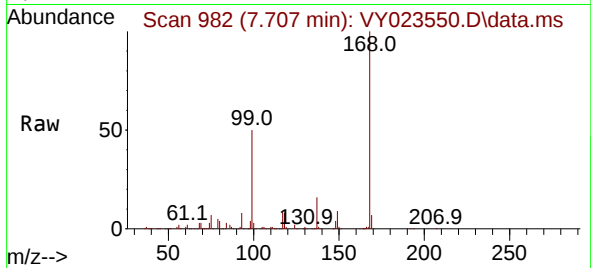




#31
Cyclohexane
Concen: 1.170 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023550.D
Acq: 22 Oct 2025 13:43

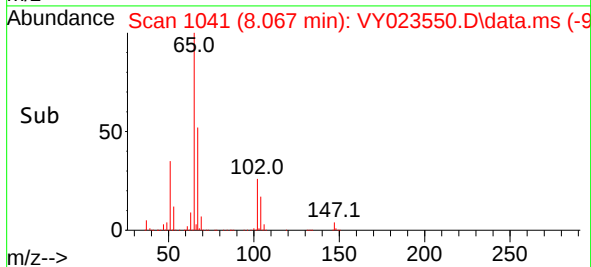
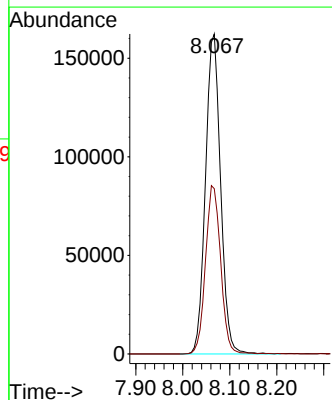
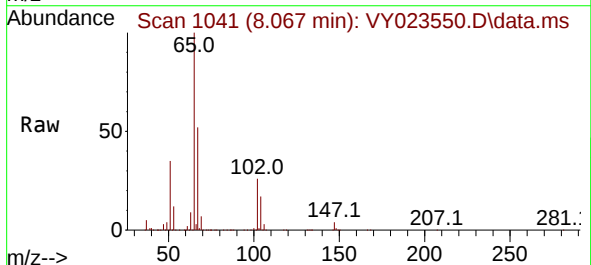
Instrument :
MSVOA_Y
ClientSampleId :
TP-8-VOC

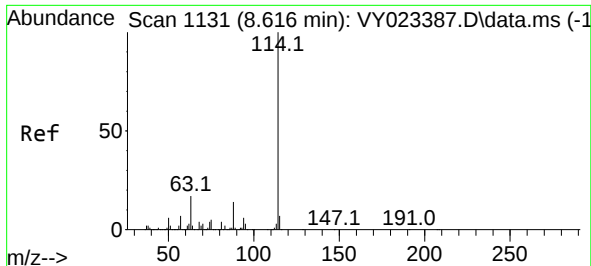
Tgt Ion: 56 Resp: 14571
Ion Ratio Lower Upper
56 100
69 157.8 30.0 45.0#
84 164.9 81.2 121.8#



#33
1,2-Dichloroethane-d4
Concen: 48.277 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023550.D
Acq: 22 Oct 2025 13:43

Tgt Ion: 65 Resp: 361438
Ion Ratio Lower Upper
65 100
67 52.7 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: VY023550.D

Acq: 22 Oct 2025 13:43

Instrument :

MSVOA_Y

ClientSampleId :

TP-8-VOC

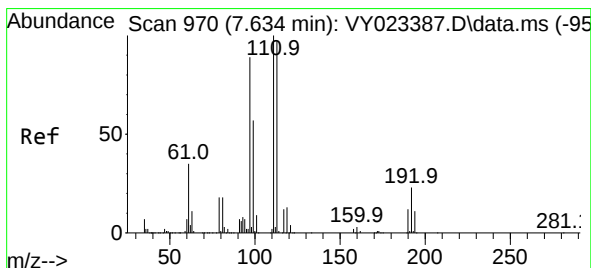
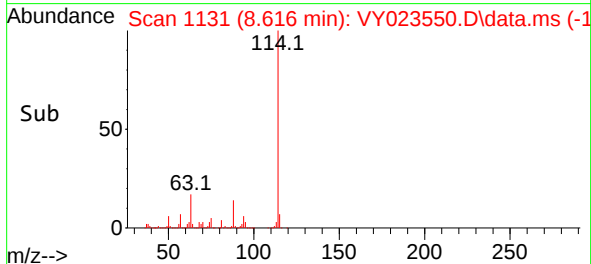
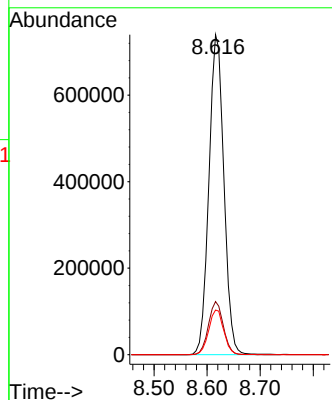
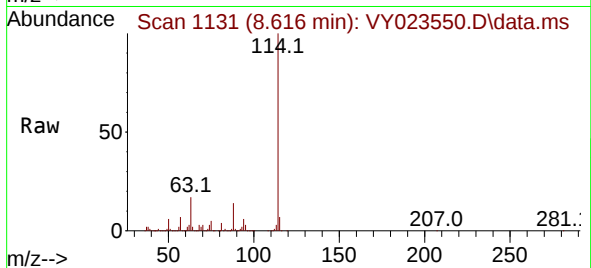
Tgt Ion:114 Resp: 1450527

Ion Ratio Lower Upper

114 100

63 16.6 0.0 34.2

88 13.9 0.0 28.4



#35

Dibromofluoromethane

Concen: 49.900 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY023550.D

Acq: 22 Oct 2025 13:43

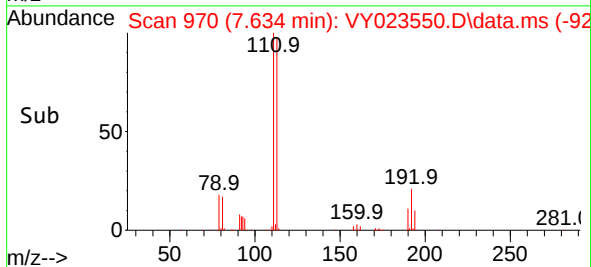
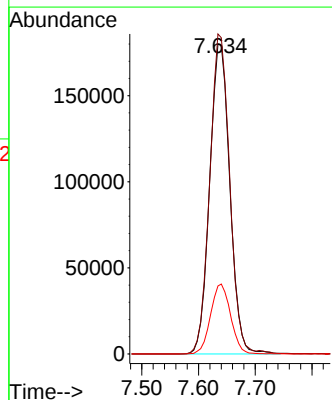
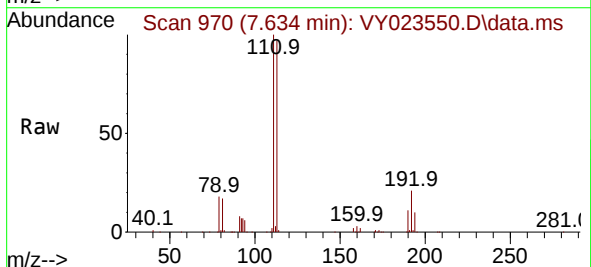
Tgt Ion:113 Resp: 444748

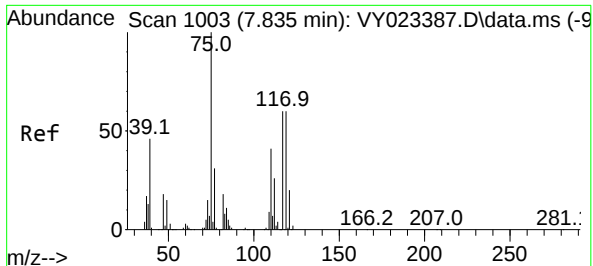
Ion Ratio Lower Upper

113 100

111 102.2 81.8 122.6

192 22.4 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.752 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY023550.D

Acq: 22 Oct 2025 13:43

Instrument :

MSVOA_Y

ClientSampleId :

TP-8-VOC

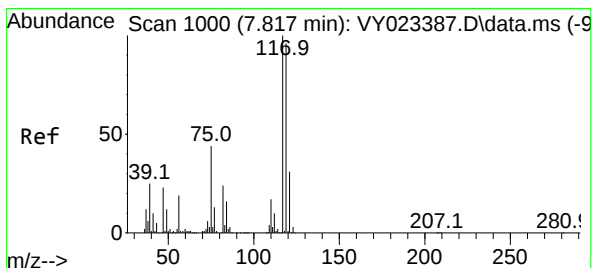
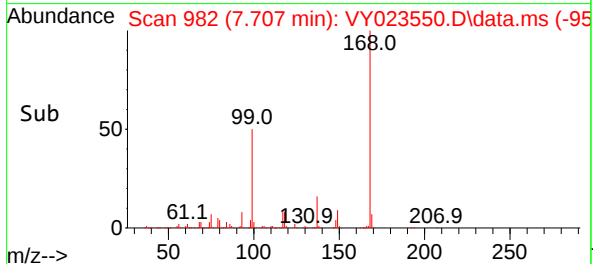
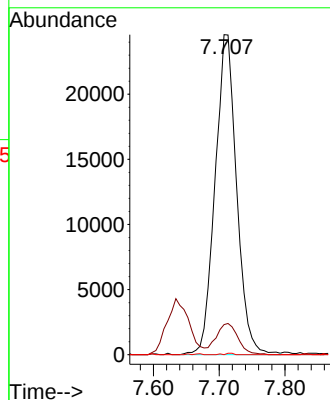
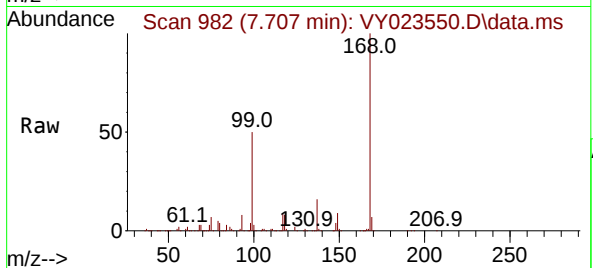
Tgt Ion: 75 Resp: 56069

Ion Ratio Lower Upper

75 100

110 10.0 19.9 59.7#

77 0.2 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.623 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023550.D

Acq: 22 Oct 2025 13:43

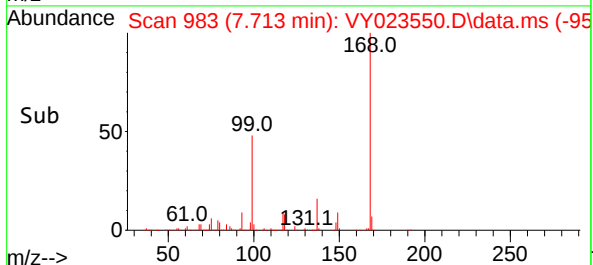
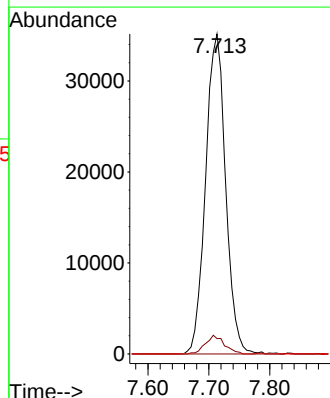
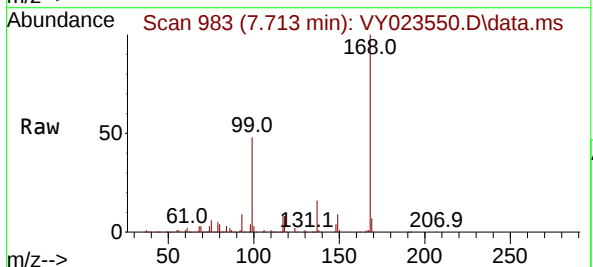
Tgt Ion: 117 Resp: 80446

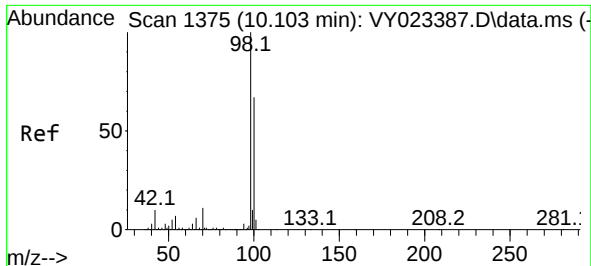
Ion Ratio Lower Upper

117 100

119 4.8 76.8 115.2#

121 0.0 24.5 36.7#

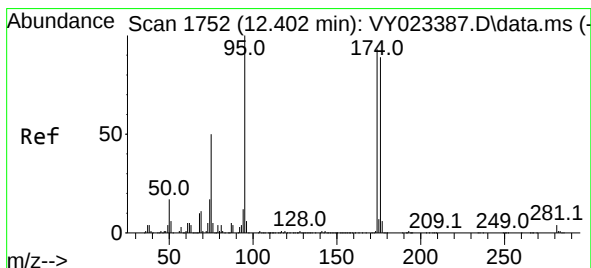
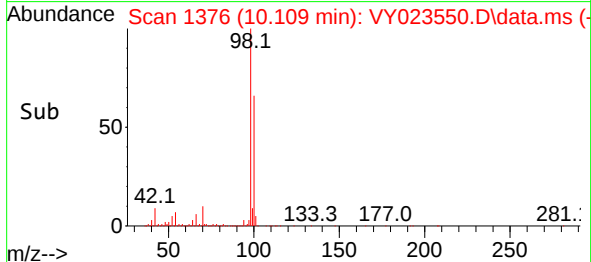
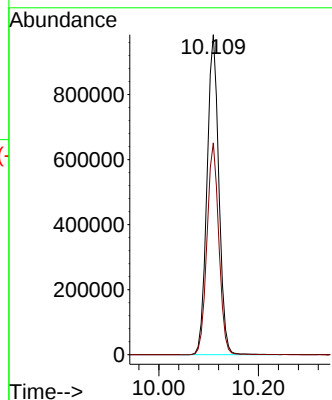
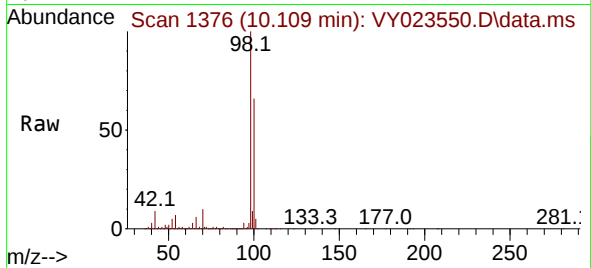




#50
Toluene-d8
Concen: 48.741 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023550.D
Acq: 22 Oct 2025 13:43

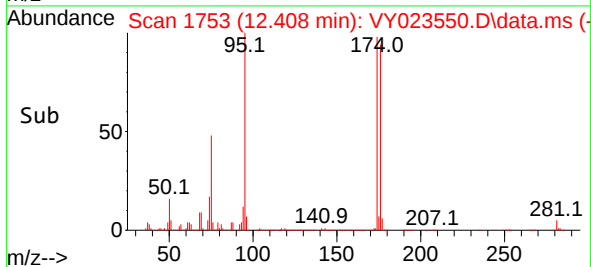
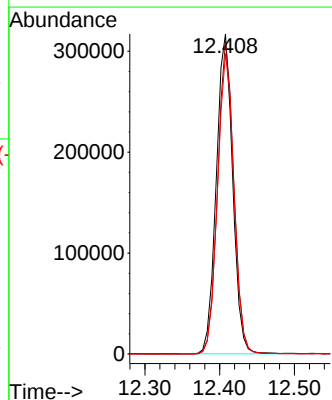
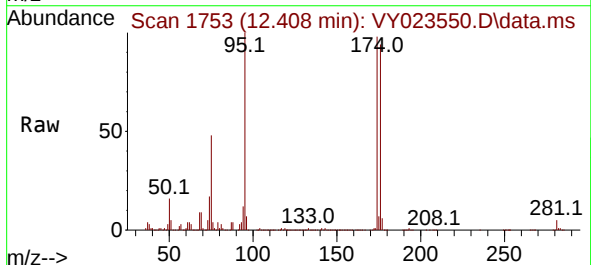
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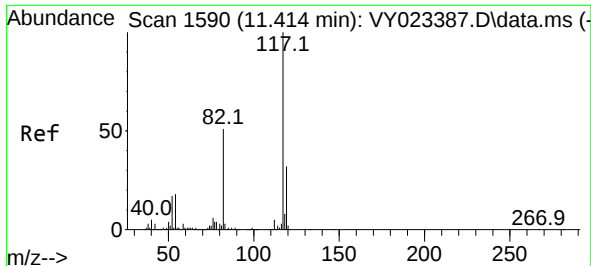
Tgt Ion: 98 Resp: 1617805
Ion Ratio Lower Upper
98 100
100 66.3 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 44.199 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023550.D
Acq: 22 Oct 2025 13:43

Tgt Ion: 95 Resp: 484349
Ion Ratio Lower Upper
95 100
174 96.7 0.0 192.8
176 93.9 0.0 187.6

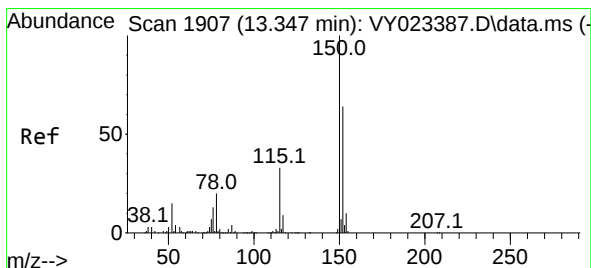
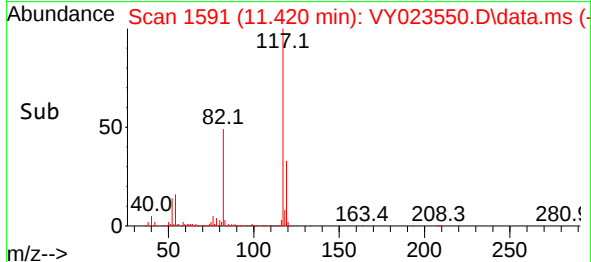
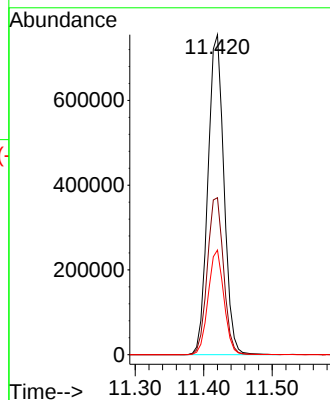
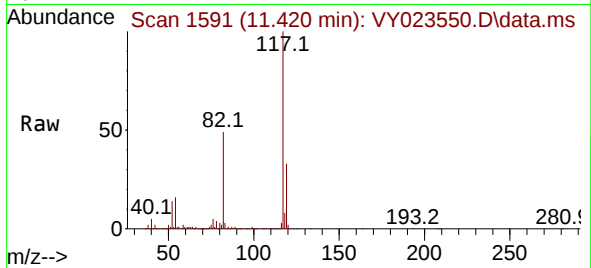




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023550.D
Acq: 22 Oct 2025 13:43

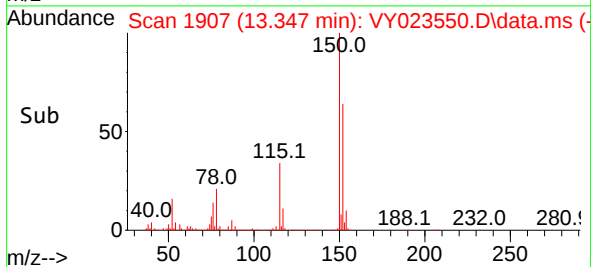
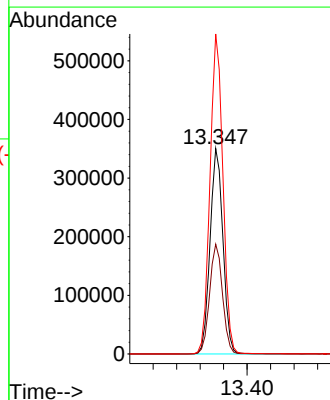
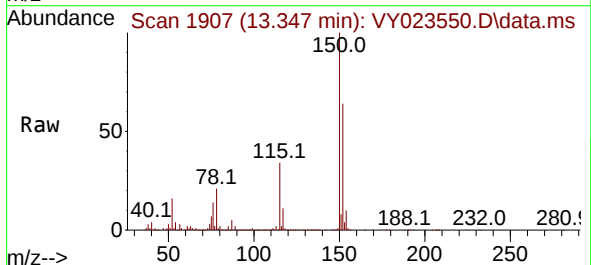
Instrument :
MSVOA_Y
ClientSampleId :
TP-8-VOC

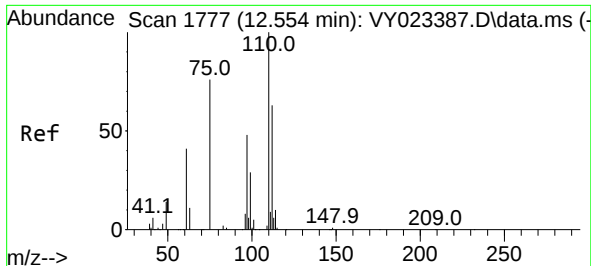
Tgt Ion:117 Resp: 1228314
Ion Ratio Lower Upper
117 100
82 49.0 41.0 61.4
119 32.7 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023550.D
Acq: 22 Oct 2025 13:43

Tgt Ion:152 Resp: 534197
Ion Ratio Lower Upper
152 100
115 53.6 27.1 81.2
150 155.6 0.0 347.4

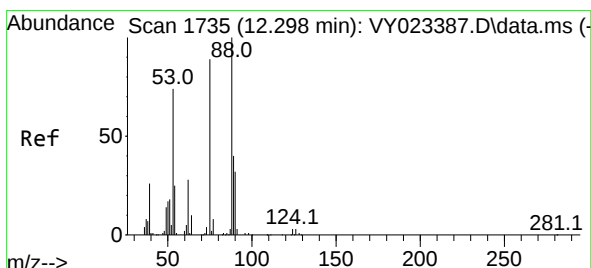
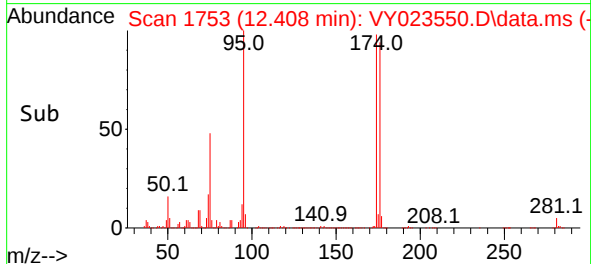
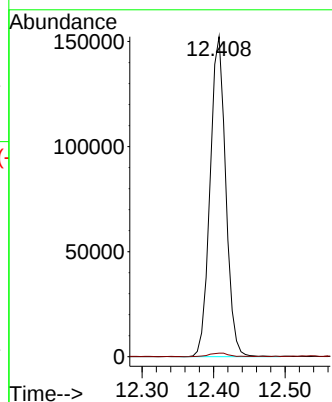
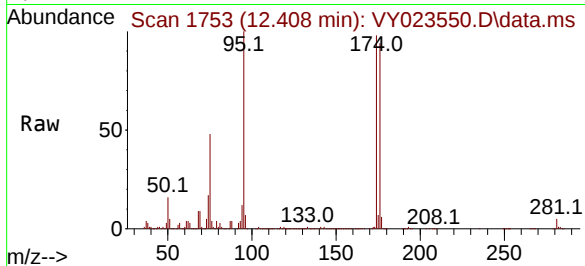




#76
1,2,3-Trichloropropane
Concen: 49.153 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY023550.D
Acq: 22 Oct 2025 13:43

Instrument :
MSVOA_Y
ClientSampleId :
TP-8-VOC

Tgt Ion: 75 Resp: 231659
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 120.532 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY023550.D
Acq: 22 Oct 2025 13:43

Tgt Ion: 75 Resp: 231659
Ion Ratio Lower Upper
75 100
53 0.0 68.6 102.8#
89 0.0 39.0 58.4#

