

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
 Data File : VY023569.D
 Acq On : 24 Oct 2025 13:41
 Operator : SY/MD
 Sample : Q3439-07
 Misc : 4.75g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-10-VOC

Quant Time: Oct 24 23:50:53 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	815715	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1338314	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1132000	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	472656	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	347981	51.015	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.040%	
35) Dibromofluoromethane	7.640	113	417790	50.806	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.620%	
50) Toluene-d8	10.109	98	1481129	48.364	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.720%	
62) 4-Bromofluorobenzene	12.408	95	427025	42.235	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 84.480%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.842	59	1419	2.796	ug/l #	72
20) Methylene Chloride	4.622	84	12940	1.474	ug/l #	90
31) Cyclohexane	7.707	56	12815	1.129	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	50133	4.605	ug/l #	48
38) Carbon Tetrachloride	7.713	117	71589	5.423	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	204491	49.038	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	204491	120.249	ug/l #	15

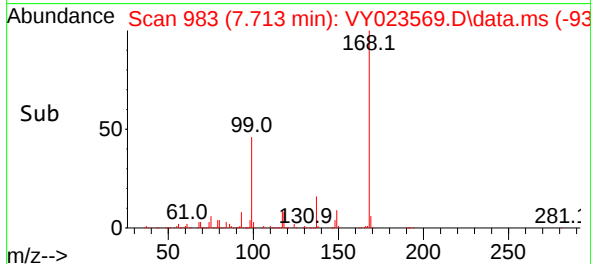
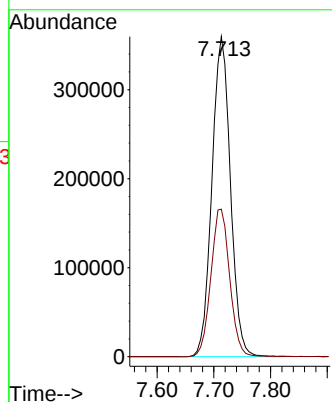
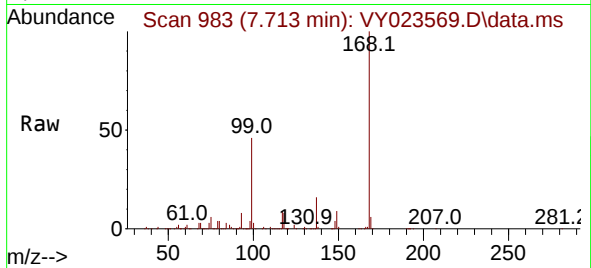
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023569.D
Acq: 24 Oct 2025 13:41

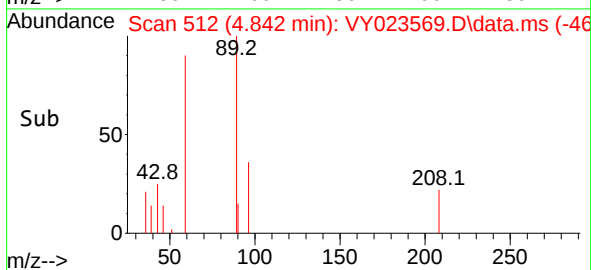
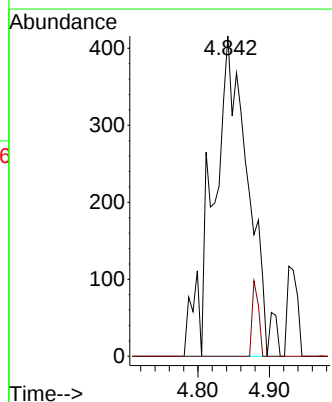
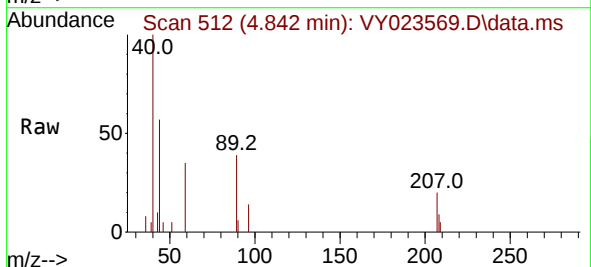
Instrument :
MSVOA_Y
ClientSampleId :
TP-10-VOC

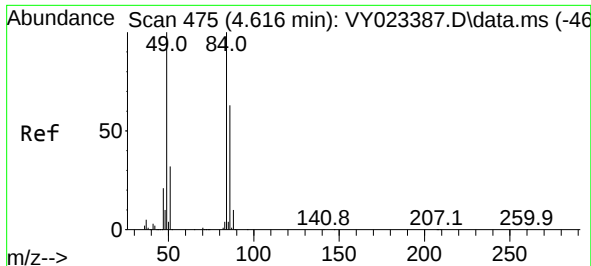
Tgt Ion:168 Resp: 815715
Ion Ratio Lower Upper
168 100
99 46.1 39.7 59.5



#11
Tert butyl alcohol
Concen: 2.796 ug/l
RT: 4.842 min Scan# 512
Delta R.T. -0.018 min
Lab File: VY023569.D
Acq: 24 Oct 2025 13:41

Tgt Ion: 59 Resp: 1419
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

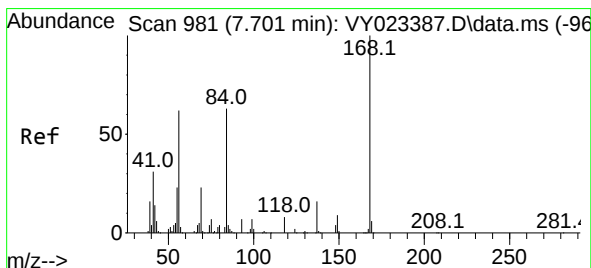
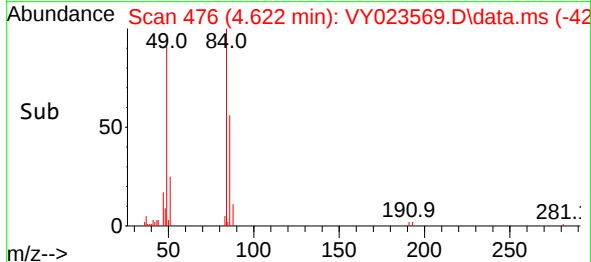
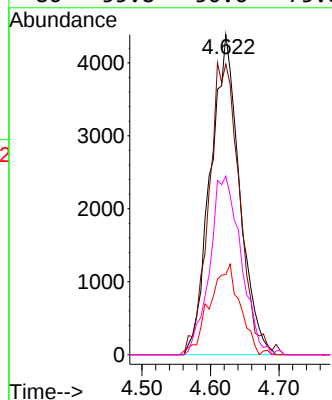
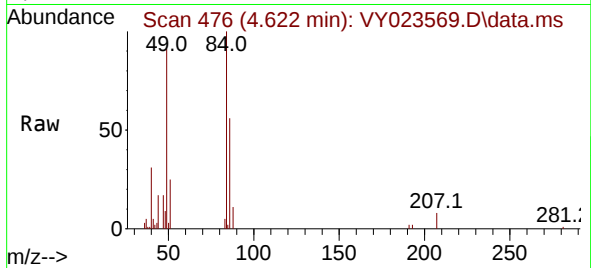




#20
Methylene Chloride
Concen: 1.474 ug/l
RT: 4.622 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023569.D
Acq: 24 Oct 2025 13:41

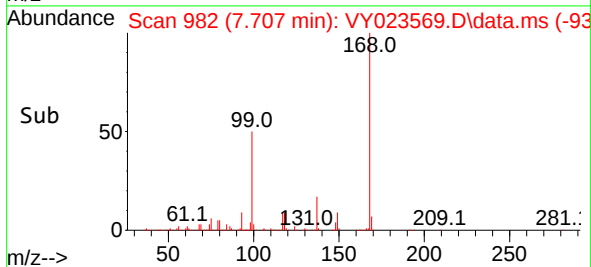
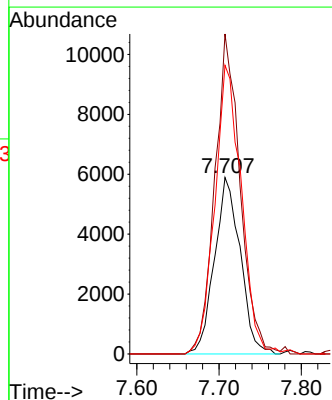
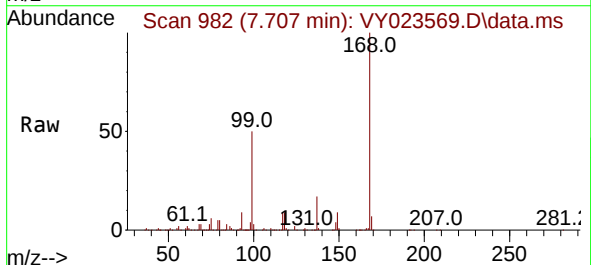
Instrument :
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ClientSampleId :
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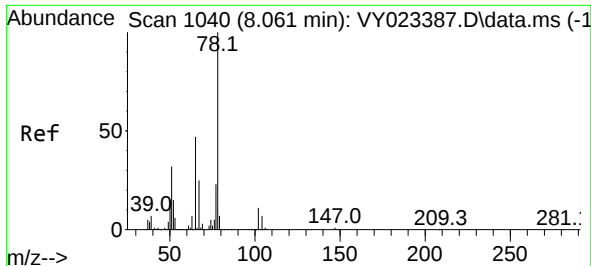
Tgt Ion:	84	Resp:	12940
Ion	Ratio	Lower	Upper
84	100		
49	90.9	80.2	120.4
51	25.1	25.9	38.9#
86	55.8	50.6	75.8



#31
Cyclohexane
Concen: 1.129 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023569.D
Acq: 24 Oct 2025 13:41

Tgt Ion:	56	Resp:	12815
Ion	Ratio	Lower	Upper
56	100		
69	181.3	30.0	45.0#
84	163.5	81.2	121.8#





#33

1,2-Dichloroethane-d4

Concen: 51.015 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY023569.D

Acq: 24 Oct 2025 13:41

Instrument :

MSVOA_Y

ClientSampleId :

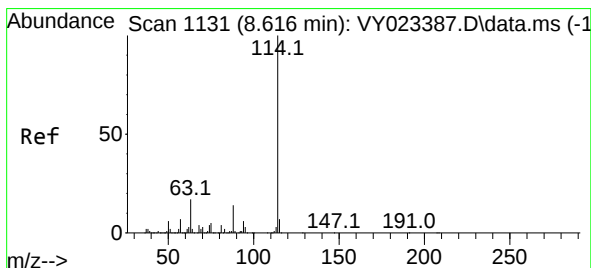
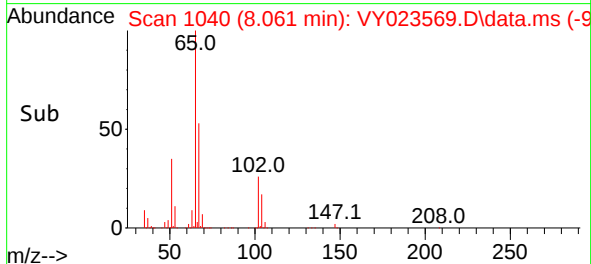
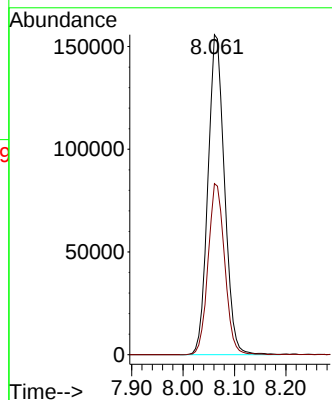
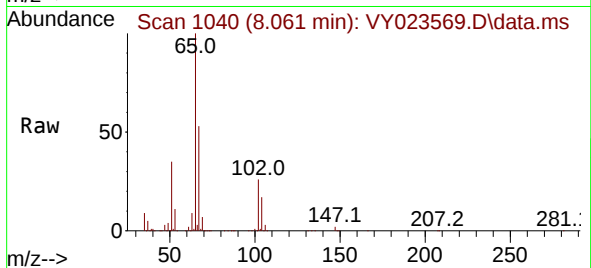
TP-10-VOC

Tgt Ion: 65 Resp: 347981

Ion Ratio Lower Upper

65 100

67 53.6 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: VY023569.D

Acq: 24 Oct 2025 13:41

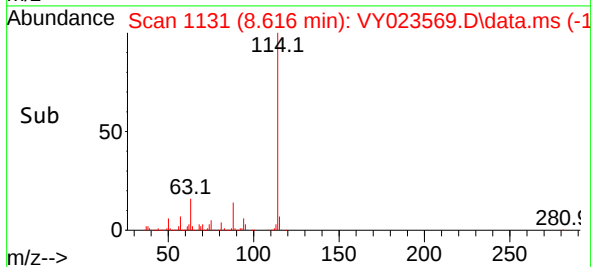
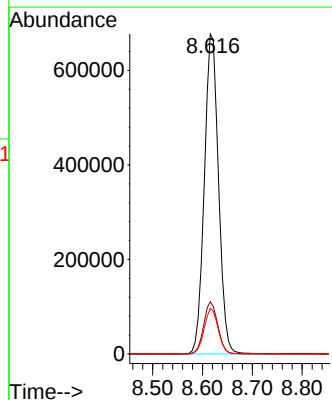
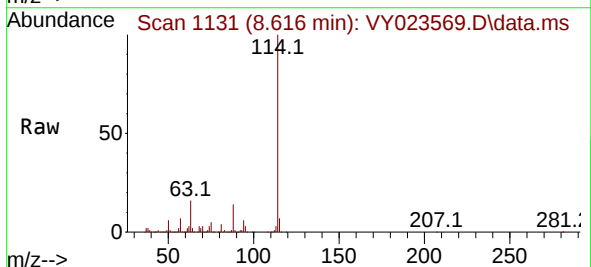
Tgt Ion: 114 Resp: 1338314

Ion Ratio Lower Upper

114 100

63 16.3 0.0 34.2

88 14.2 0.0 28.4

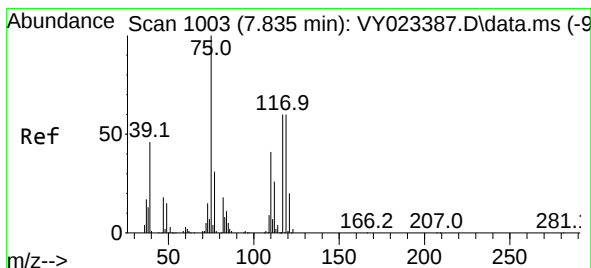
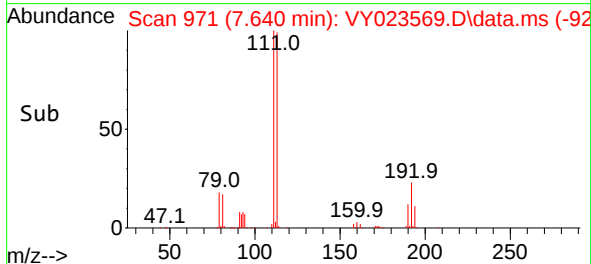
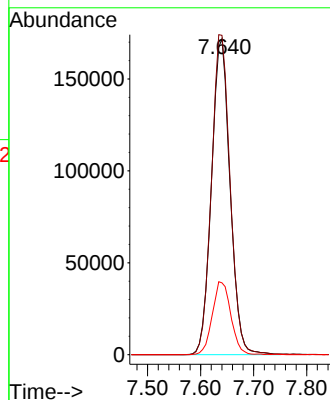
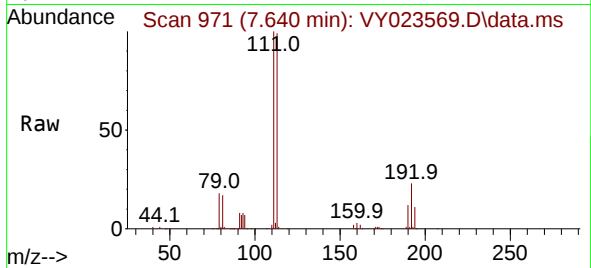




#35
Dibromofluoromethane
Concen: 50.806 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023569.D
Acq: 24 Oct 2025 13:41

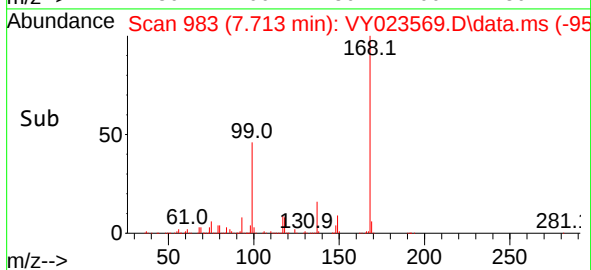
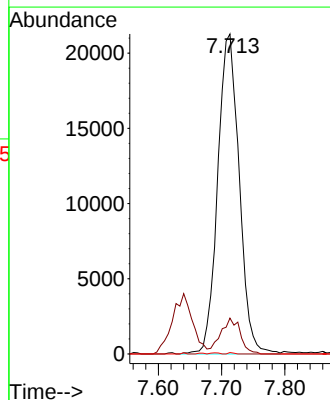
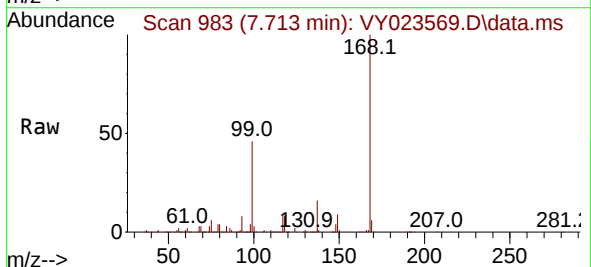
Instrument :
MSVOA_Y
ClientSampleId :
TP-10-VOC

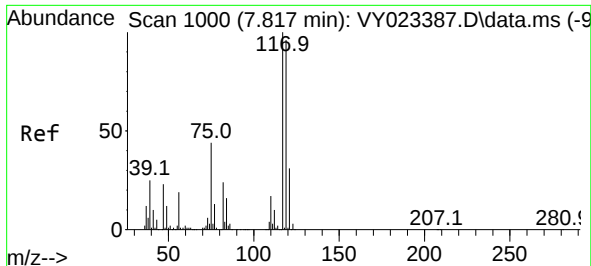
Tgt Ion:113 Resp: 417790
Ion Ratio Lower Upper
113 100
111 102.0 81.8 122.6
192 23.1 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.605 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY023569.D
Acq: 24 Oct 2025 13:41

Tgt Ion: 75 Resp: 50133
Ion Ratio Lower Upper
75 100
110 10.3 19.9 59.7#
77 0.1 25.0 37.6#

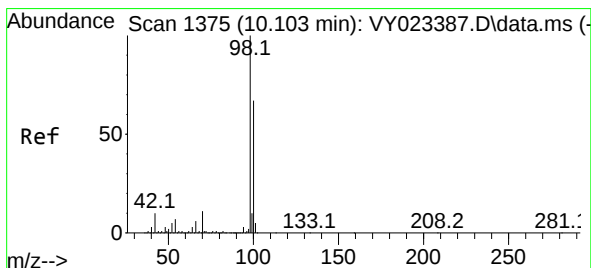
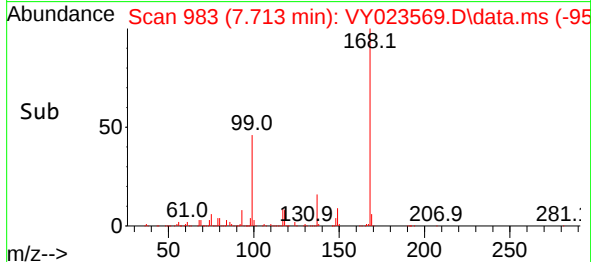
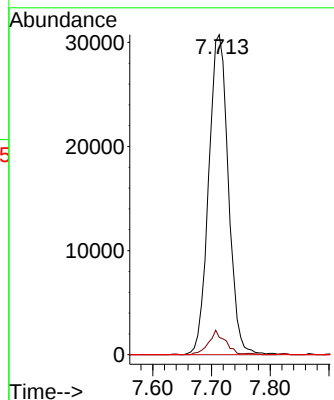
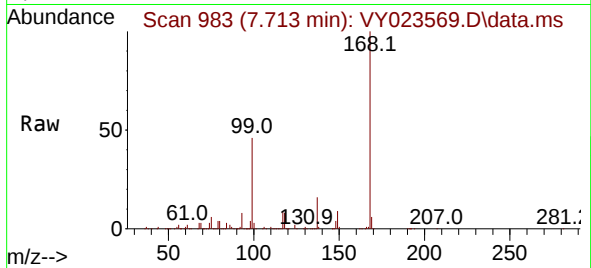




#38
Carbon Tetrachloride
Concen: 5.423 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023569.D
Acq: 24 Oct 2025 13:41

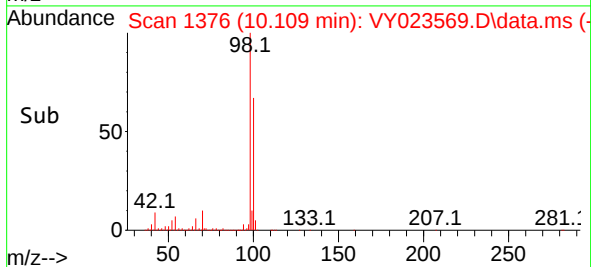
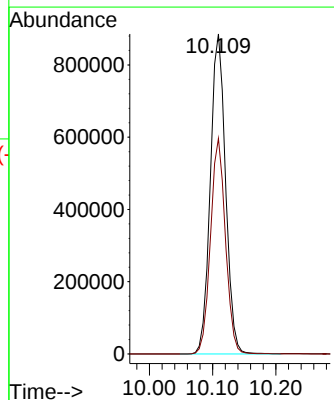
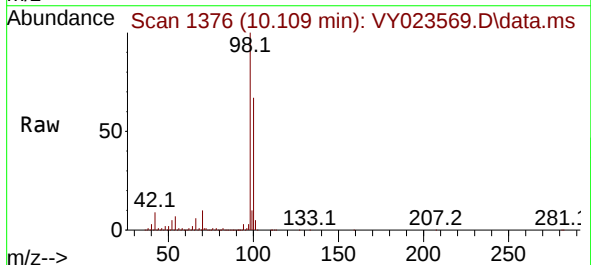
Instrument :
MSVOA_Y
ClientSampleId :
TP-10-VOC

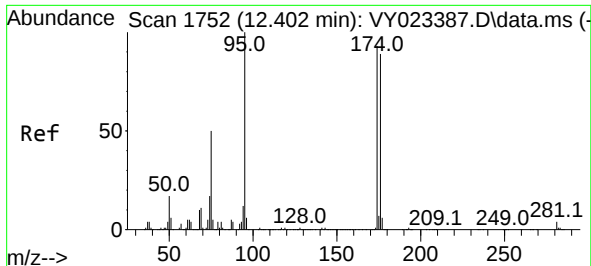
Tgt Ion:117 Resp: 71589
Ion Ratio Lower Upper
117 100
119 5.4 76.8 115.2#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 48.364 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023569.D
Acq: 24 Oct 2025 13:41

Tgt Ion: 98 Resp: 1481129
Ion Ratio Lower Upper
98 100
100 66.2 53.0 79.4

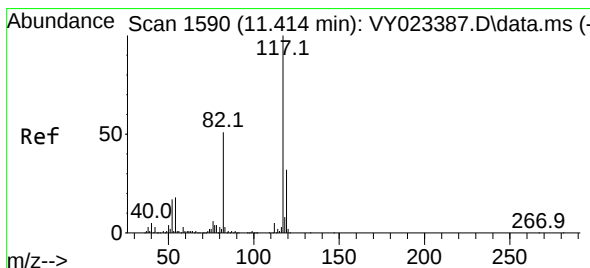
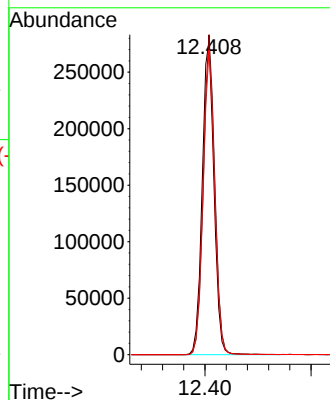
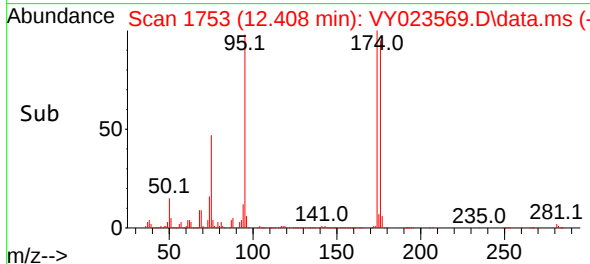
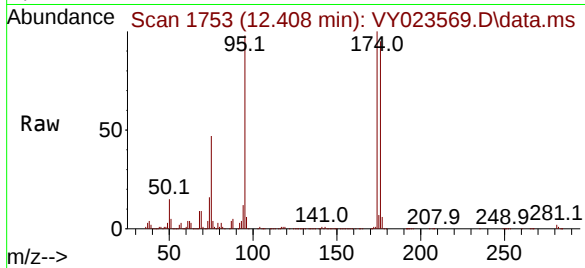




#62
4-Bromofluorobenzene
Concen: 42.235 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023569.D
Acq: 24 Oct 2025 13:41

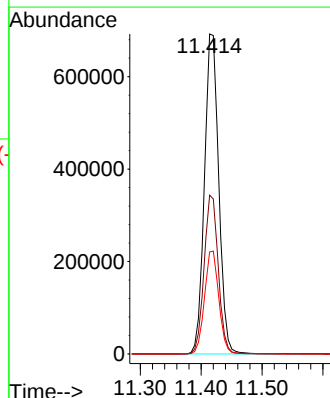
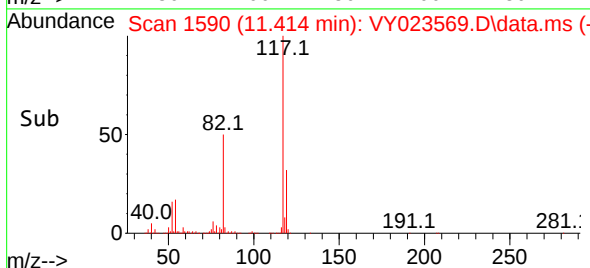
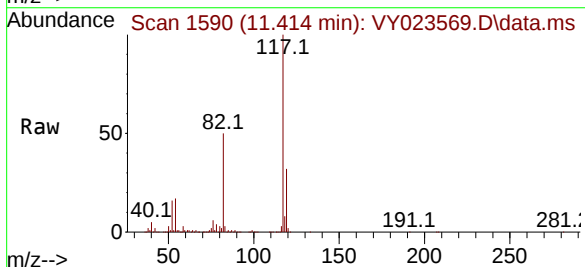
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TP-10-VOC

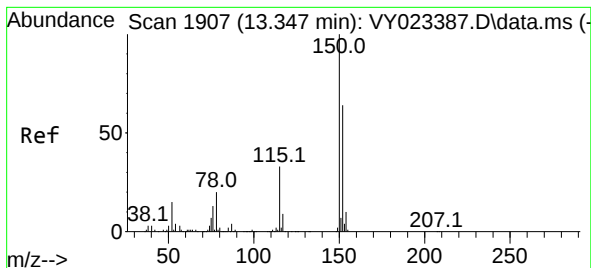
Tgt Ion: 95 Resp: 427025
Ion Ratio Lower Upper
95 100
174 99.6 0.0 192.8
176 95.0 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY023569.D
Acq: 24 Oct 2025 13:41

Tgt Ion: 117 Resp: 1132000
Ion Ratio Lower Upper
117 100
82 49.6 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: VY023569.D

Acq: 24 Oct 2025 13:41

Instrument :

MSVOA_Y

ClientSampleId :

TP-10-VOC

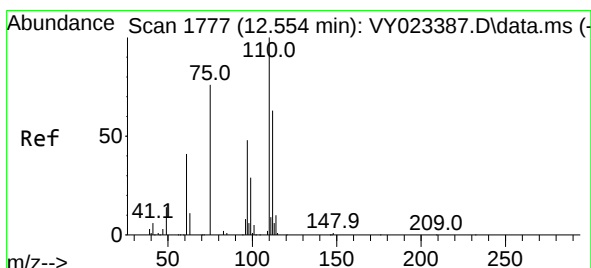
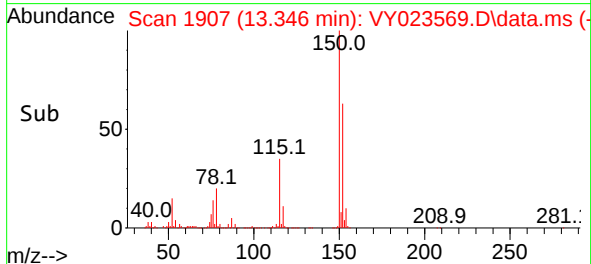
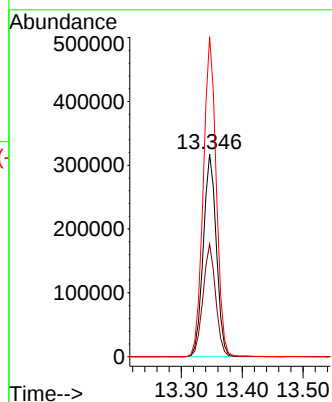
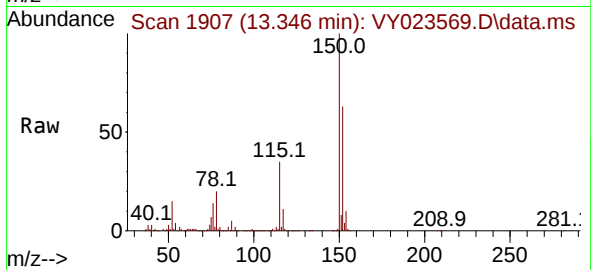
Tgt Ion:152 Resp: 472656

Ion Ratio Lower Upper

152 100

115 54.1 27.1 81.2

150 156.9 0.0 347.4



#76

1,2,3-Trichloropropane

Concen: 49.038 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023569.D

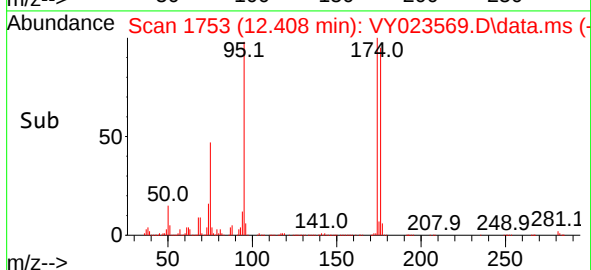
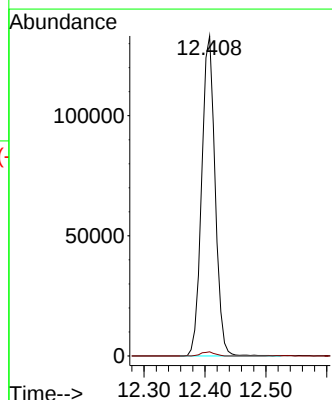
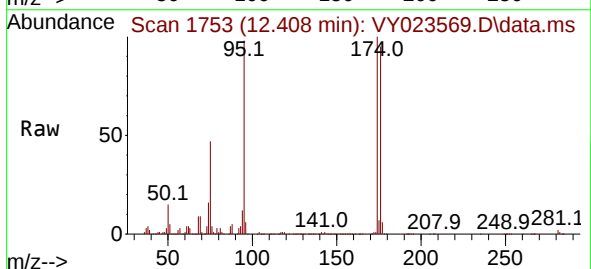
Acq: 24 Oct 2025 13:41

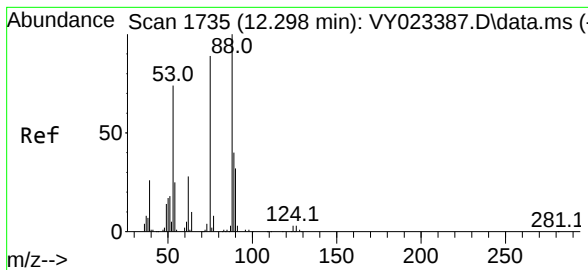
Tgt Ion: 75 Resp: 204491

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 120.249 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY023569.D
 Acq: 24 Oct 2025 13:41

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-10-VOC

Tgt Ion: 75 Resp: 204491
 Ion Ratio Lower Upper
 75 100
 53 0.1 68.6 102.8#
 89 0.0 39.0 58.4#

