

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072225\
 Data File : VY023047.D
 Acq On : 22 Jul 2025 15:35
 Operator : SY/MD
 Sample : Q2668-11
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1-VOC

Quant Time: Jul 23 02:05:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 19 01:50:49 2025
 Response via : Initial Calibration

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

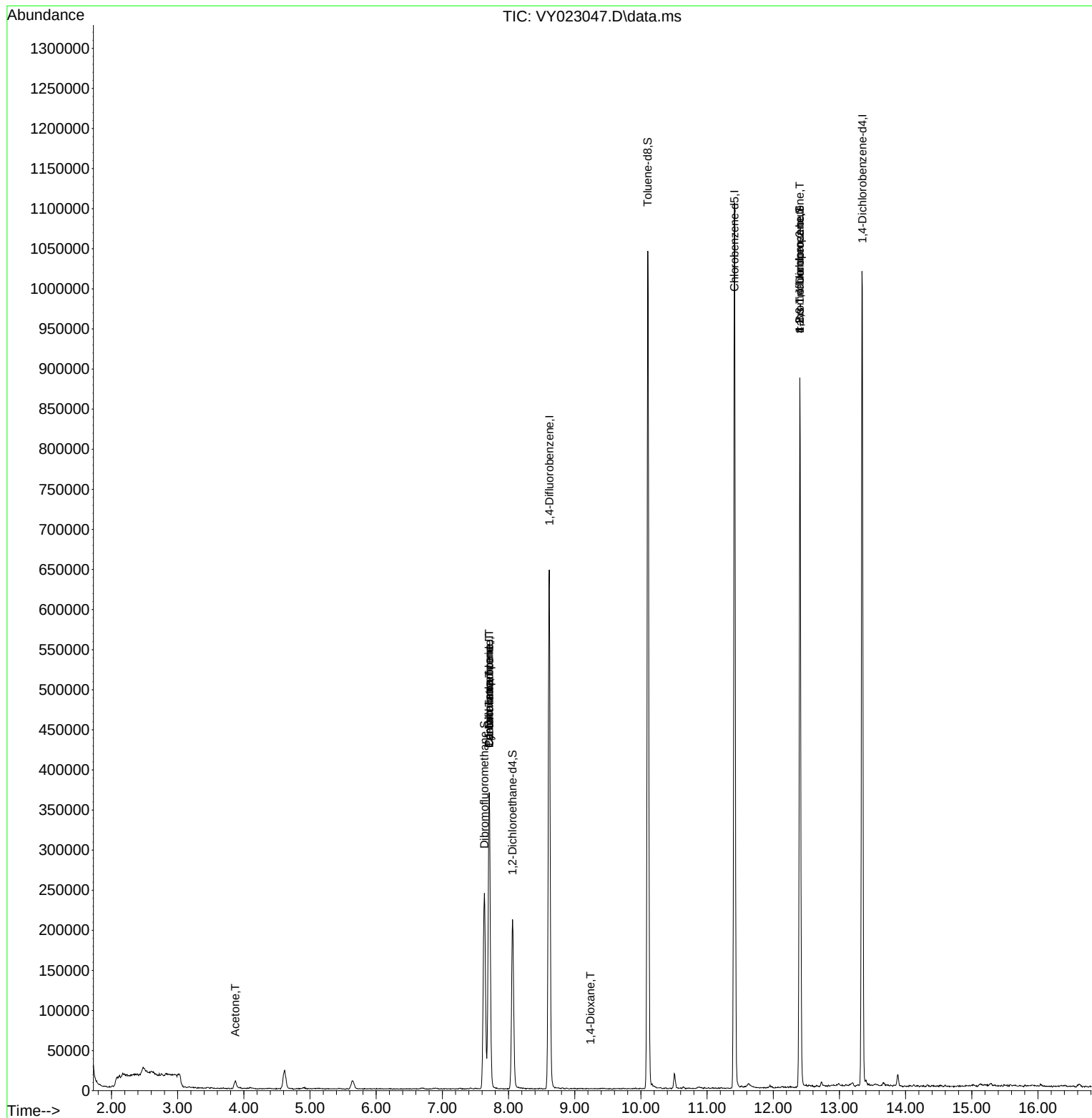
Internal Standards						
1) Pentafluorobenzene	7.707	168	280091	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	544519	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	554115	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	251091	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	164158	57.895	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 115.780%	
35) Dibromofluoromethane	7.634	113	173491	50.228	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.460%	
50) Toluene-d8	10.103	98	669942	48.910	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.820%	
62) 4-Bromofluorobenzene	12.401	95	245665	56.975	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 113.960%	
Target Compounds						Qvalue
16) Acetone	3.873	43	15850	30.838	ug/l	99
20) Methylene Chloride	4.616	84	16490	Below Cal		93
31) Cyclohexane	7.707	56	6744	1.195	ug/l #	20
36) 1,1-Dichloropropene	7.707	75	23723	4.360	ug/l #	50
38) Carbon Tetrachloride	7.707	117	27564	4.663	ug/l #	16
49) 1,4-Dioxane	9.237	88	21	1.008	ug/l #	21
76) 1,2,3-Trichloropropane	12.401	75	137816	44.048	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	137816	131.194	ug/l #	12

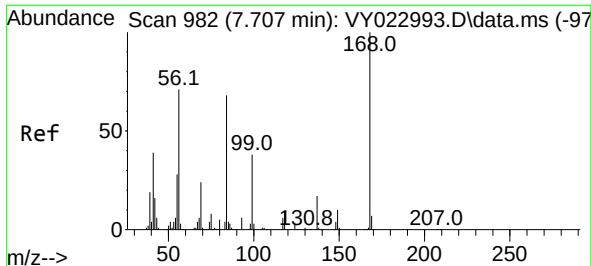
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

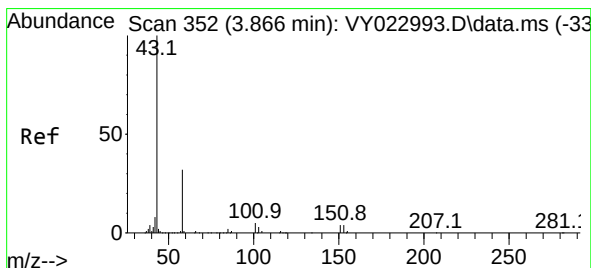
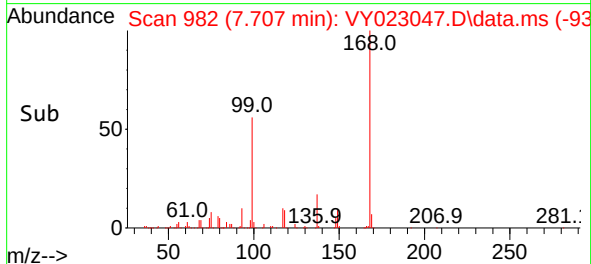
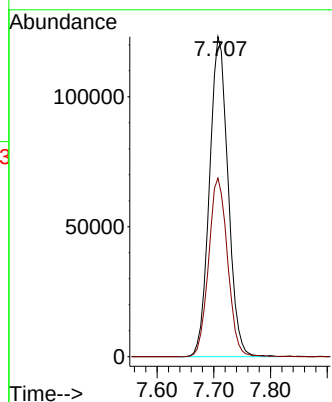
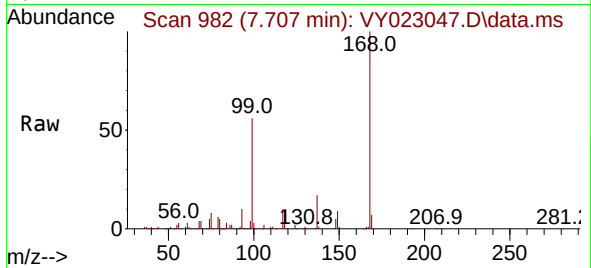




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023047.D
Acq: 22 Jul 2025 15:35

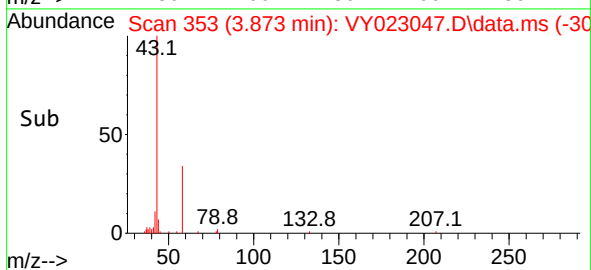
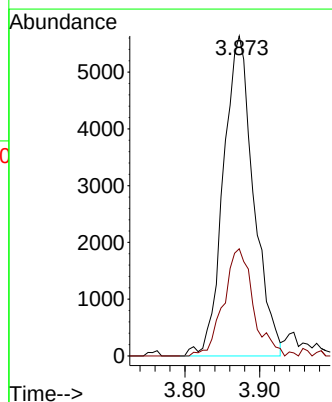
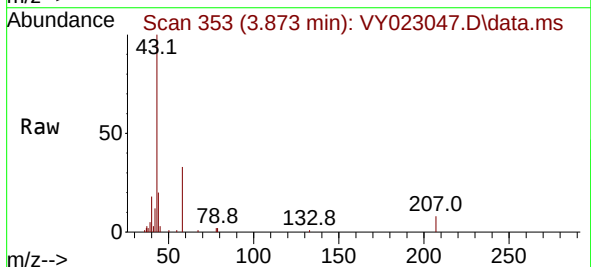
Instrument :
MSVOA_Y
ClientSampleId :
TP-1-VOC

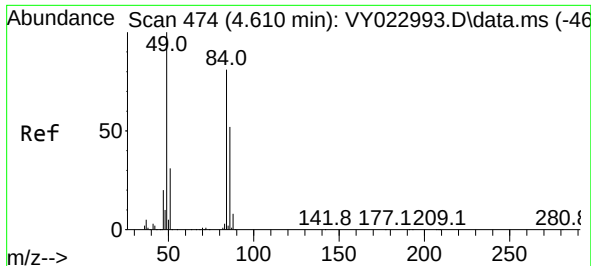
Tgt Ion:168 Resp: 280091
Ion Ratio Lower Upper
168 100
99 55.8 44.4 66.6



#16
Acetone
Concen: 30.838 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023047.D
Acq: 22 Jul 2025 15:35

Tgt Ion: 43 Resp: 15850
Ion Ratio Lower Upper
43 100
58 33.5 26.2 39.4

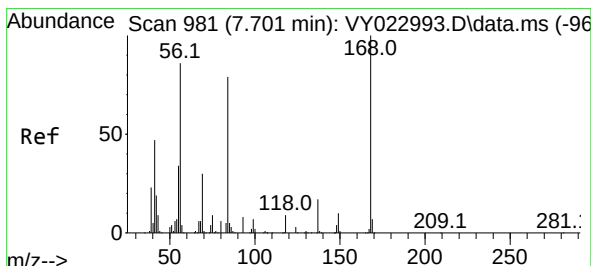
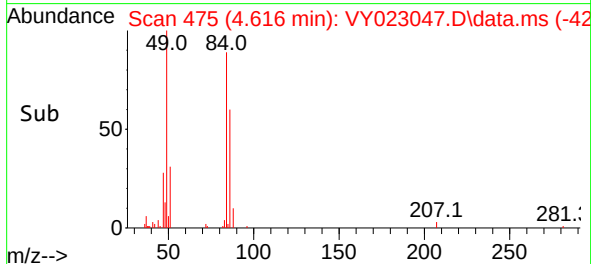
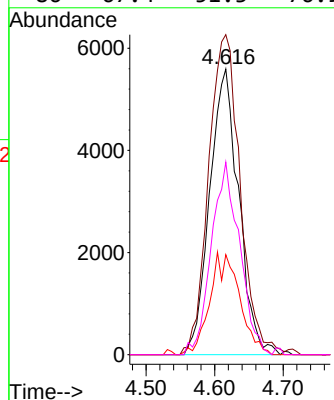
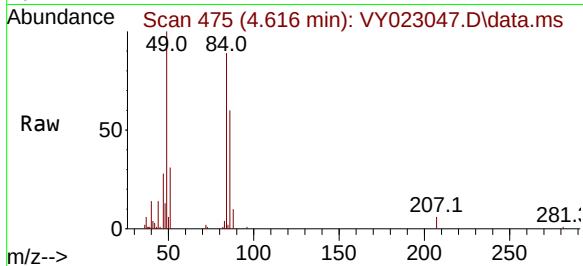




#20
Methylene Chloride
Concen: Below Cal
RT: 4.616 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023047.D
Acq: 22 Jul 2025 15:35

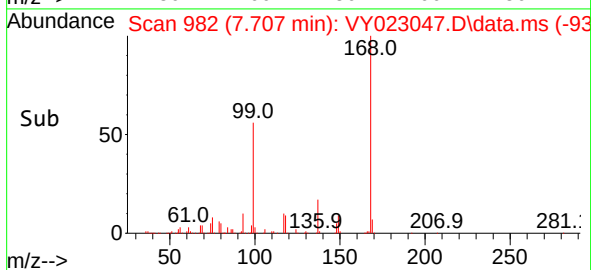
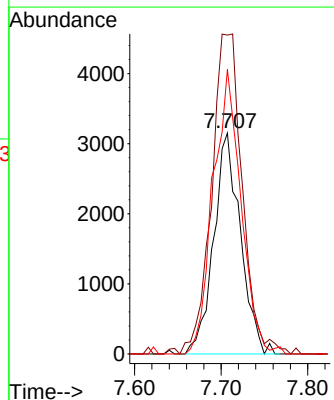
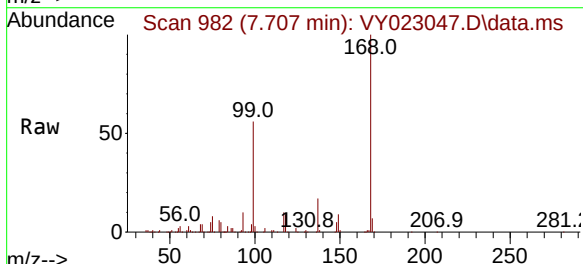
Instrument :
MSVOA_Y
ClientSampleId :
TP-1-VOC

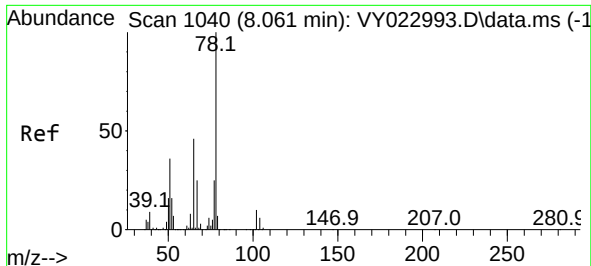
Tgt Ion:	84	Resp:	16490
Ion	Ratio	Lower	Upper
84	100		
49	112.1	98.2	147.4
51	35.0	30.5	45.7
86	67.4	51.3	76.9



#31
Cyclohexane
Concen: 1.195 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023047.D
Acq: 22 Jul 2025 15:35

Tgt Ion:	56	Resp:	6744
Ion	Ratio	Lower	Upper
56	100		
69	144.3	28.1	42.1#
84	128.7	73.5	110.3#

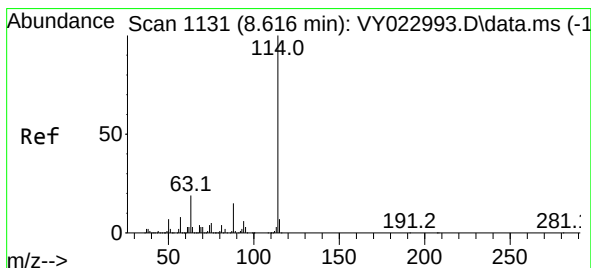
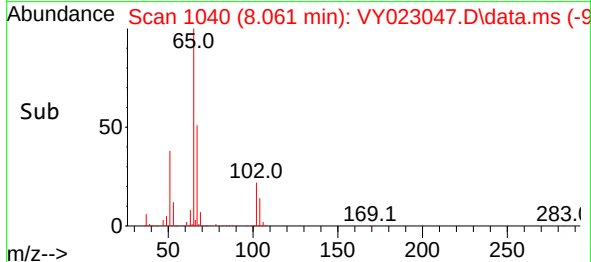
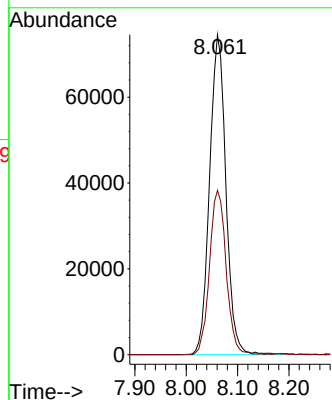
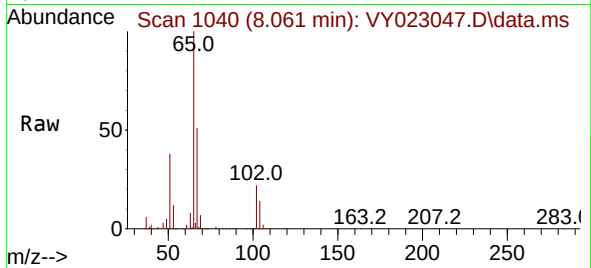




#33
 1,2-Dichloroethane-d4
 Concen: 57.895 ug/l
 RT: 8.061 min Scan# 1040
 Delta R.T. 0.000 min
 Lab File: VY023047.D
 Acq: 22 Jul 2025 15:35

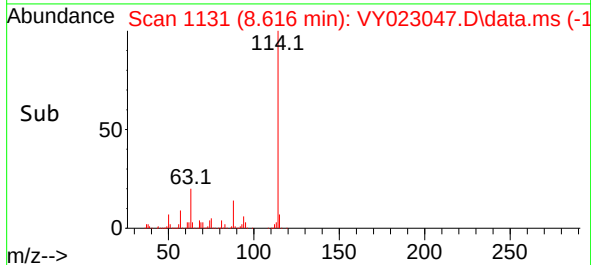
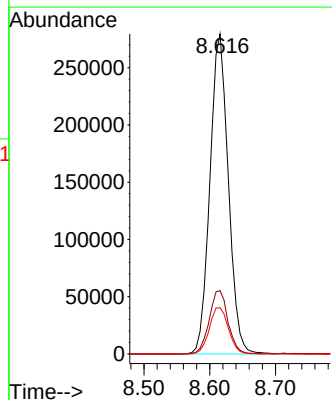
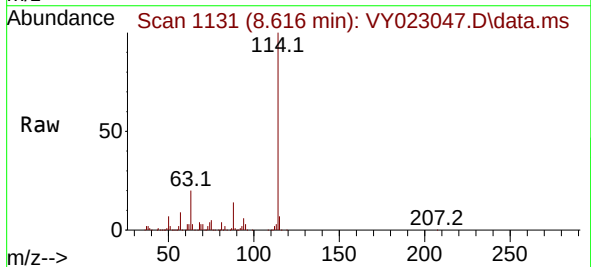
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1-VOC

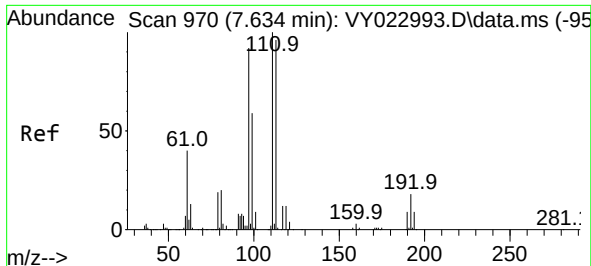
Tgt Ion: 65 Resp: 164158
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.616 min Scan# 1131
 Delta R.T. 0.000 min
 Lab File: VY023047.D
 Acq: 22 Jul 2025 15:35

Tgt Ion: 114 Resp: 544519
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 38.8
 88 14.5 0.0 30.2

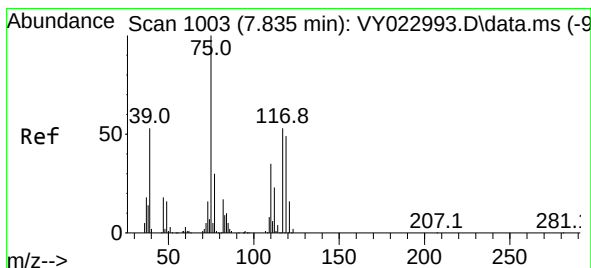
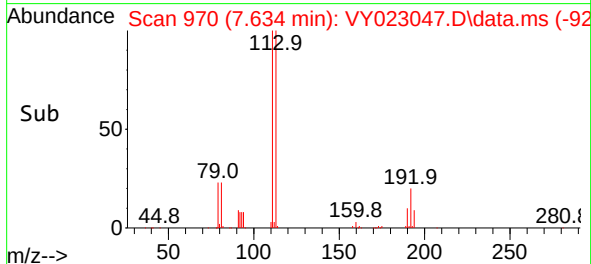
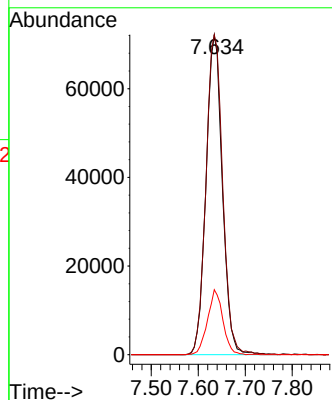
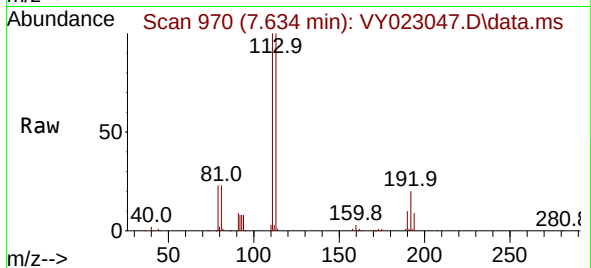




#35
Dibromofluoromethane
Concen: 50.228 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023047.D
Acq: 22 Jul 2025 15:35

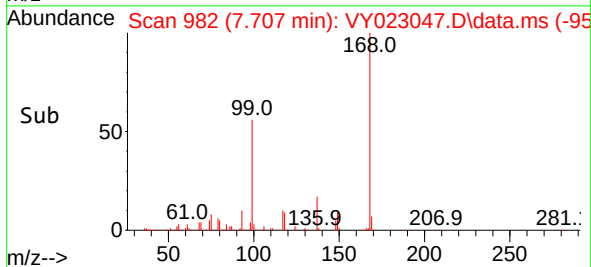
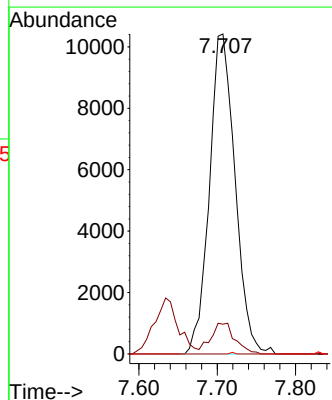
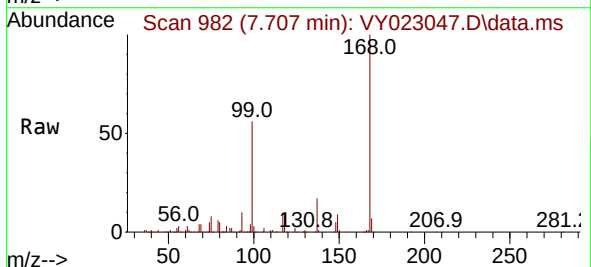
Instrument :
MSVOA_Y
ClientSampleId :
TP-1-VOC

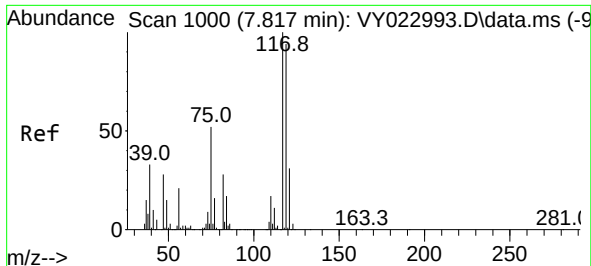
Tgt Ion:113 Resp: 173491
Ion Ratio Lower Upper
113 100
111 102.6 83.2 124.8
192 19.2 15.3 22.9



#36
1,1-Dichloropropene
Concen: 4.360 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY023047.D
Acq: 22 Jul 2025 15:35

Tgt Ion: 75 Resp: 23723
Ion Ratio Lower Upper
75 100
110 9.0 17.3 51.9#
77 0.1 24.6 37.0#

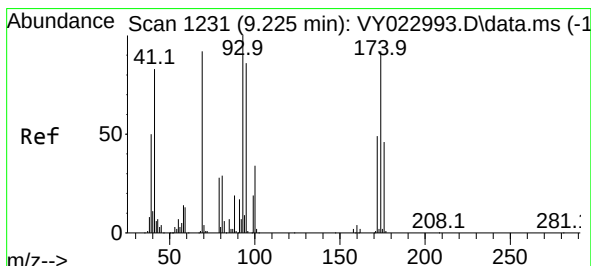
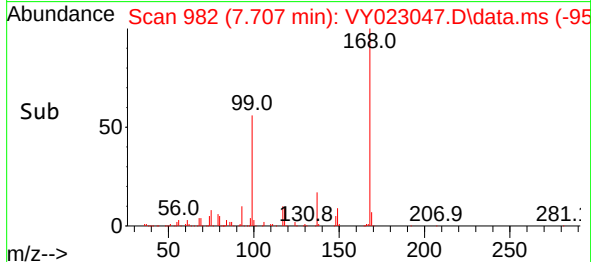
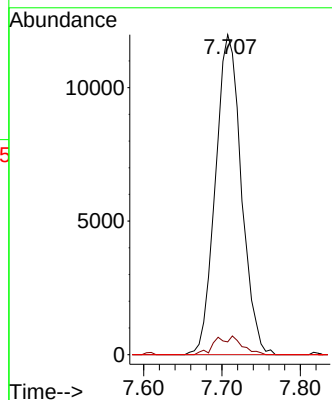
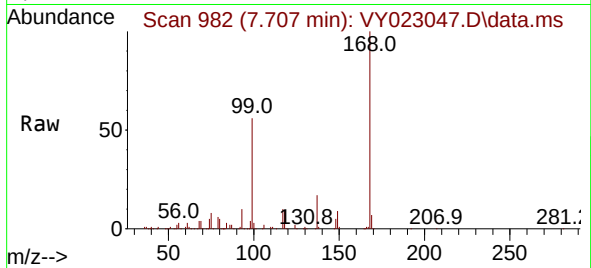




#38
Carbon Tetrachloride
Concen: 4.663 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023047.D
Acq: 22 Jul 2025 15:35

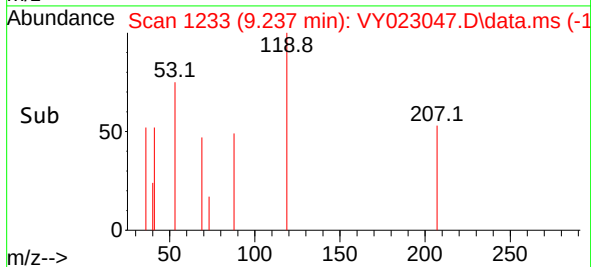
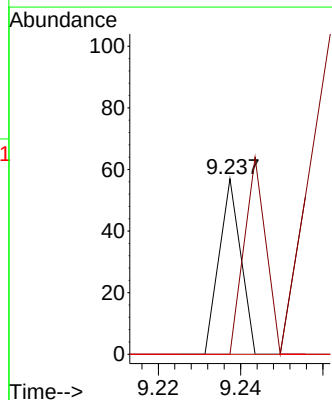
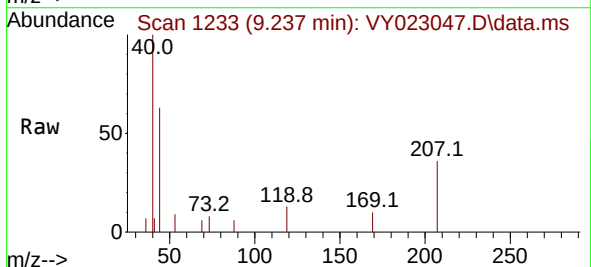
Instrument :
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ClientSampleId :
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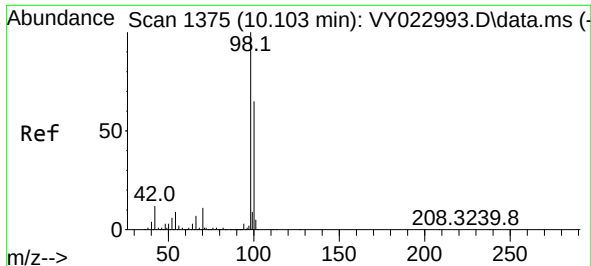
Tgt Ion:117 Resp: 27564
Ion Ratio Lower Upper
117 100
119 4.0 74.9 112.3#
121 0.0 24.6 37.0#



#49
1,4-Dioxane
Concen: 1.008 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. 0.012 min
Lab File: VY023047.D
Acq: 22 Jul 2025 15:35

Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 0.0 28.7 43.1#
58 0.0 59.8 89.6#

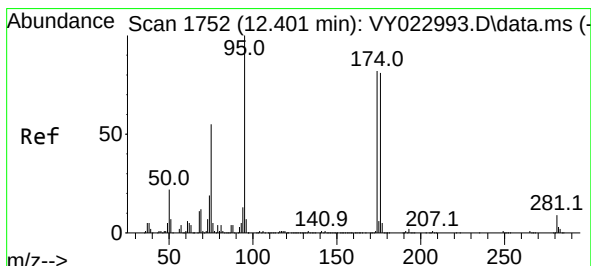
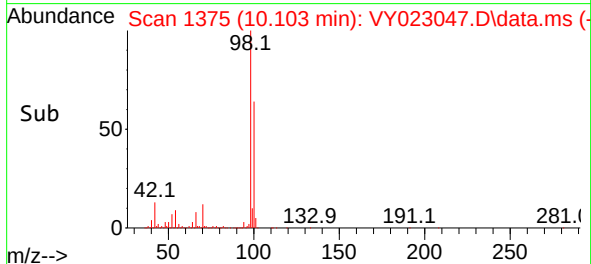
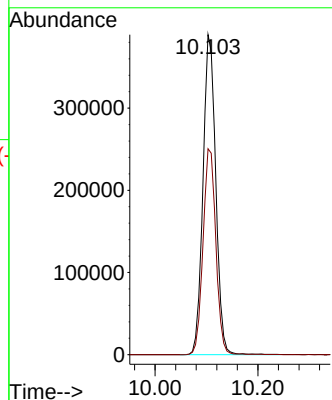
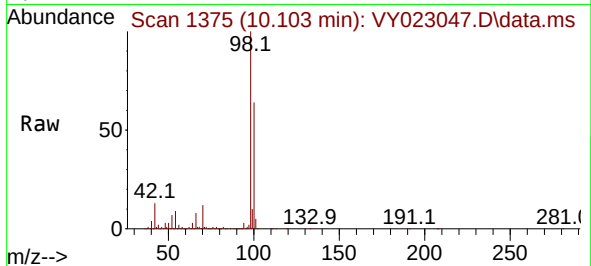




#50
Toluene-d8
Concen: 48.910 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023047.D
Acq: 22 Jul 2025 15:35

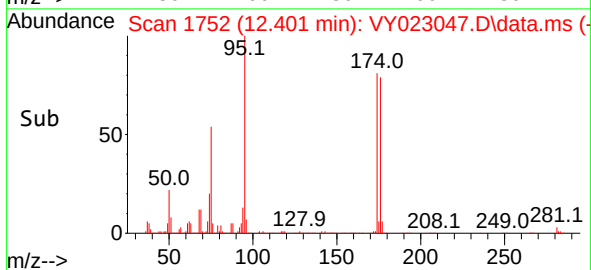
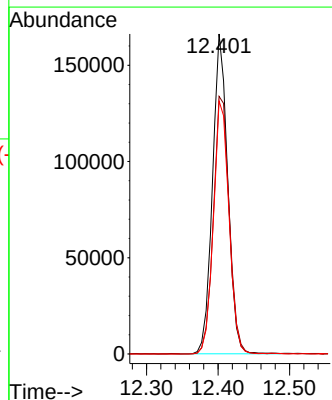
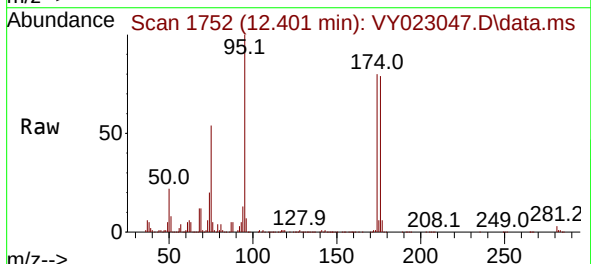
Instrument :
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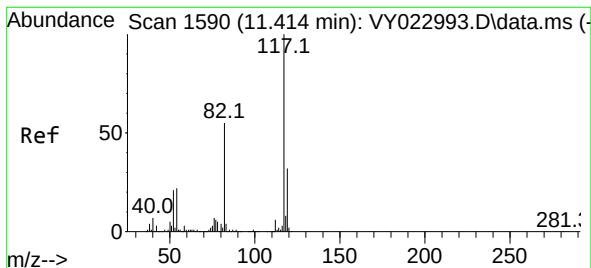
Tgt Ion: 98 Resp: 669942
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 56.975 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023047.D
Acq: 22 Jul 2025 15:35

Tgt Ion: 95 Resp: 245665
Ion Ratio Lower Upper
95 100
174 84.1 0.0 170.8
176 80.7 0.0 163.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023047.D

Acq: 22 Jul 2025 15:35

Instrument :

MSVOA_Y

ClientSampleId :

TP-1-VOC

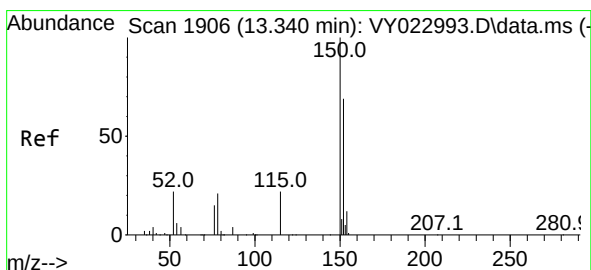
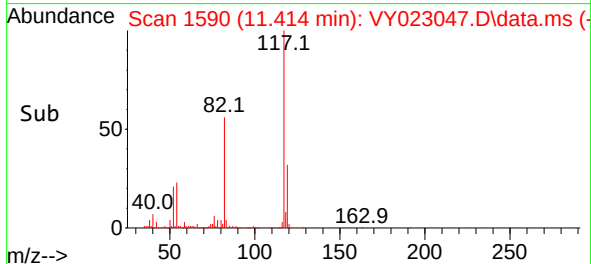
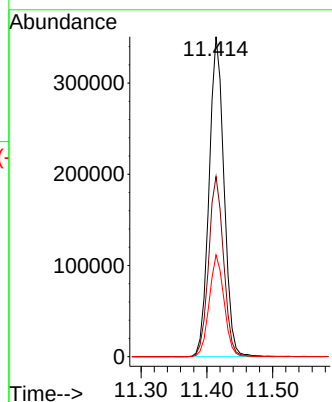
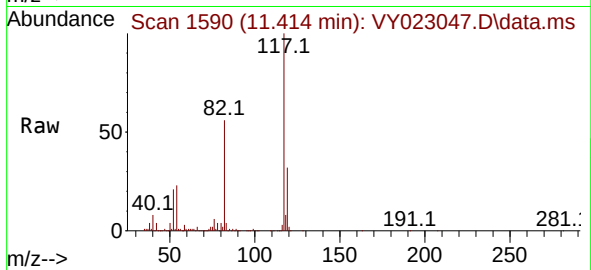
Tgt Ion:117 Resp: 554115

Ion Ratio Lower Upper

117 100

82 56.3 44.3 66.5

119 31.8 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023047.D

Acq: 22 Jul 2025 15:35

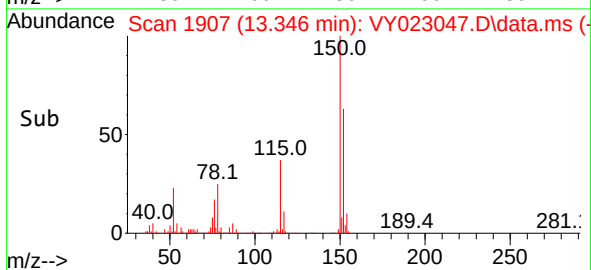
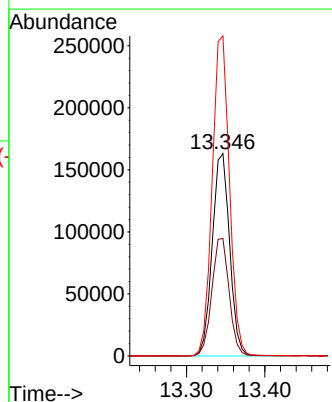
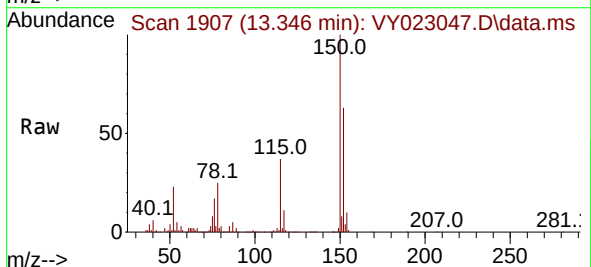
Tgt Ion:152 Resp: 251091

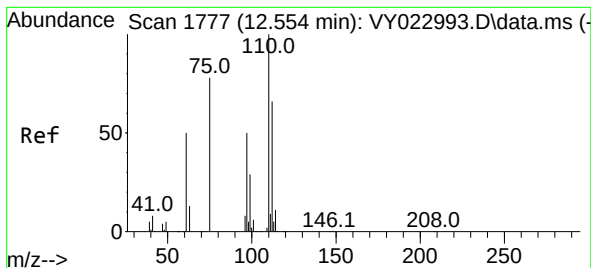
Ion Ratio Lower Upper

152 100

115 58.0 29.4 88.2

150 156.8 0.0 350.0





#76

1,2,3-Trichloropropane

Concen: 44.048 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY023047.D

Acq: 22 Jul 2025 15:35

Instrument :

MSVOA_Y

ClientSampleId :

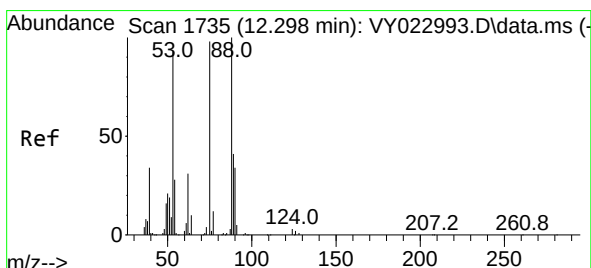
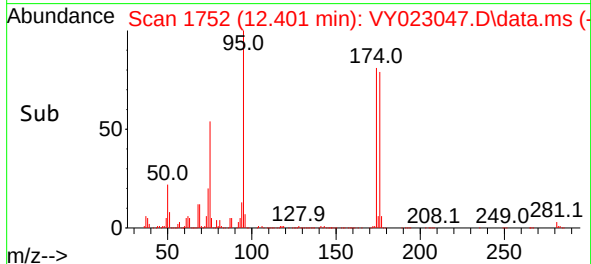
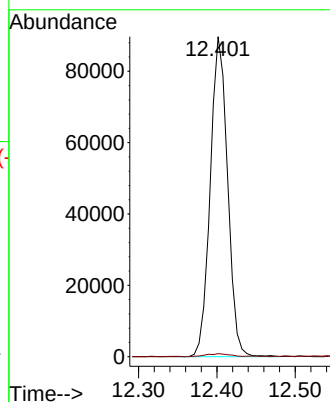
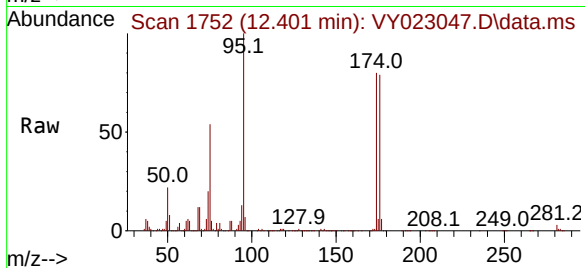
TP-1-VOC

Tgt Ion: 75 Resp: 137816

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 131.194 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. 0.104 min

Lab File: VY023047.D

Acq: 22 Jul 2025 15:35

Tgt Ion: 75 Resp: 137816

Ion Ratio Lower Upper

75 100

53 0.3 76.1 114.1#

89 0.1 36.1 54.1#

