

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
 Data File : VY021736.D
 Acq On : 01 Apr 2025 12:59
 Operator : SY/MD
 Sample : Q1680-03
 Misc : 5.53g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4-VOC

Quant Time: Apr 02 03:22:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

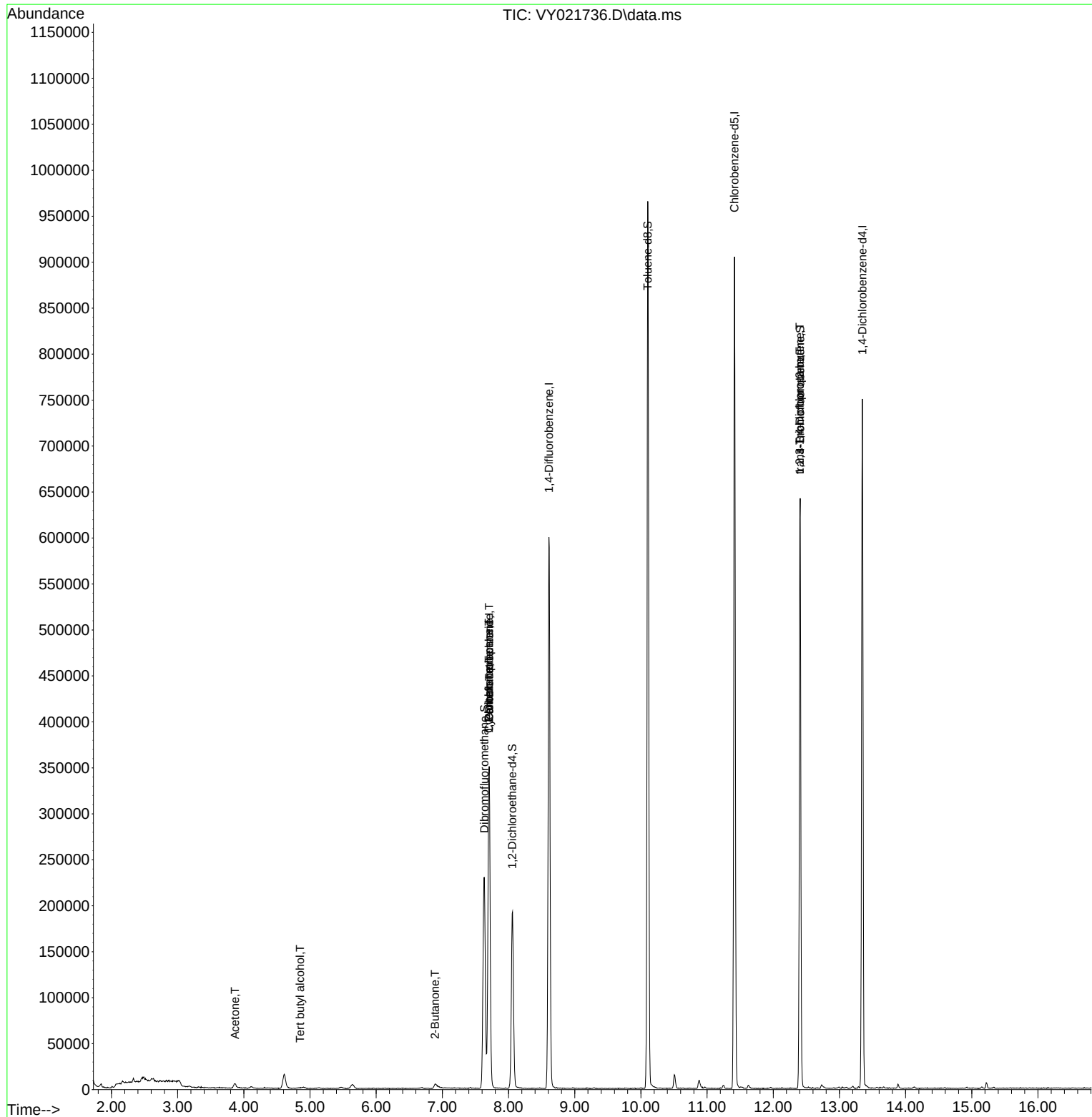
Internal Standards						
1) Pentafluorobenzene	7.707	168	266915	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	501844	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	458795	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	186419	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	150512	52.045	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.100%			
35) Dibromofluoromethane	7.634	113	165196	50.746	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.500%			
50) Toluene-d8	10.103	98	606288	48.956	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.920%			
62) 4-Bromofluorobenzene	12.408	95	193272	46.138	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 92.280%			
Target Compounds			Qvalue			
11) Tert butyl alcohol	4.848	59	350	1.863	ug/l #	70
16) Acetone	3.866	43	8390	14.175	ug/l	98
20) Methylene Chloride	4.610	84	10989	Below Cal	#	84
25) 2-Butanone	6.890	43	2892	3.421	ug/l #	77
31) Cyclohexane	7.701	56	6525	1.278	ug/l #	1
36) 1,1-Dichloropropene	7.701	75	21977	4.432	ug/l #	51
38) Carbon Tetrachloride	7.707	117	27213	4.792	ug/l #	16
76) 1,2,3-Trichloropropane	12.402	75	102123	55.265	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	102123	127.339	ug/l #	12

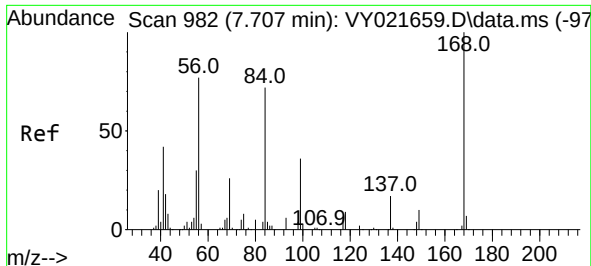
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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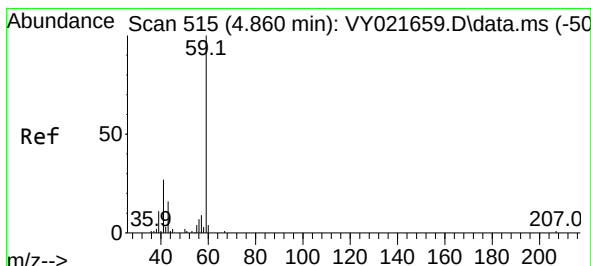
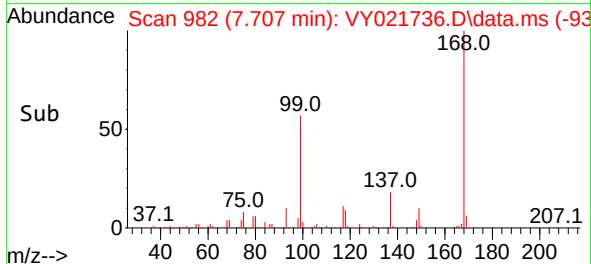
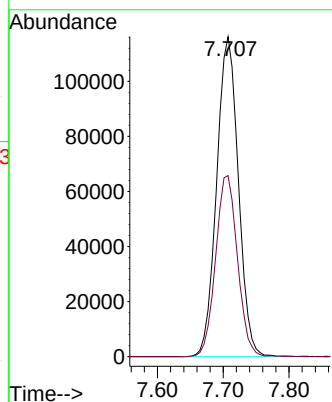
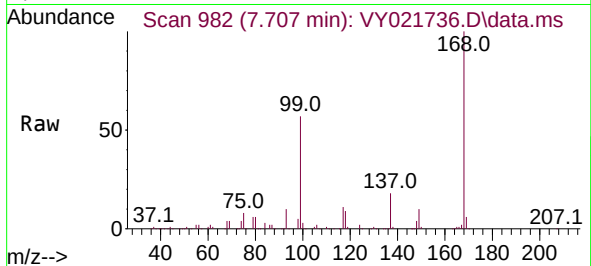




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021736.D
Acq: 01 Apr 2025 12:59

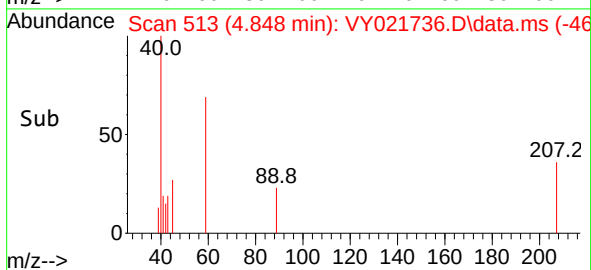
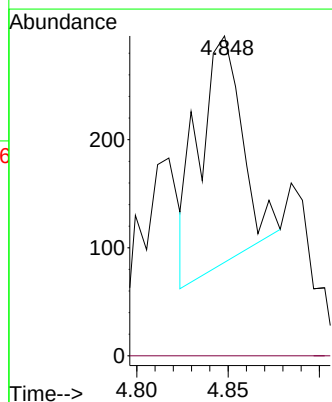
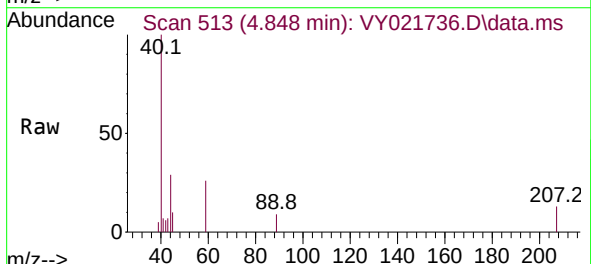
Instrument :
MSVOA_Y
ClientSampleId :
TP-4-VOC

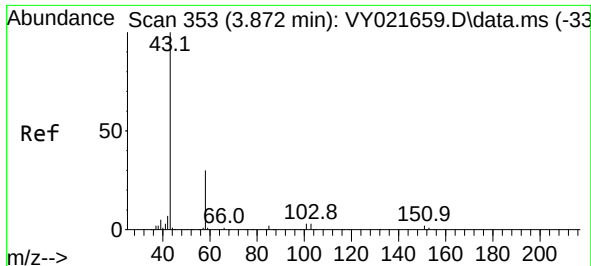
Tgt Ion:168 Resp: 266915
Ion Ratio Lower Upper
168 100
99 56.6 46.7 70.1



#11
Tert butyl alcohol
Concen: 1.863 ug/l
RT: 4.848 min Scan# 513
Delta R.T. -0.012 min
Lab File: VY021736.D
Acq: 01 Apr 2025 12:59

Tgt Ion: 59 Resp: 350
Ion Ratio Lower Upper
59 100
57 0.0 9.2 13.8#





#16

Acetone

Concen: 14.175 ug/l

RT: 3.866 min Scan# 3

Delta R.T. -0.006 min

Lab File: VY021736.D

Acq: 01 Apr 2025 12:59

Instrument :

MSVOA_Y

ClientSampleId :

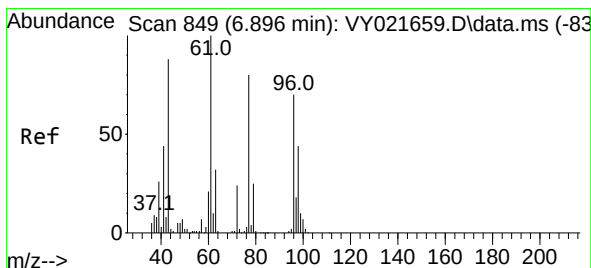
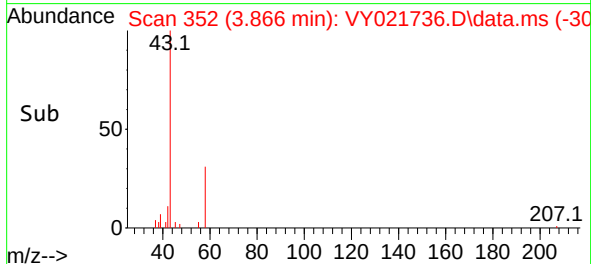
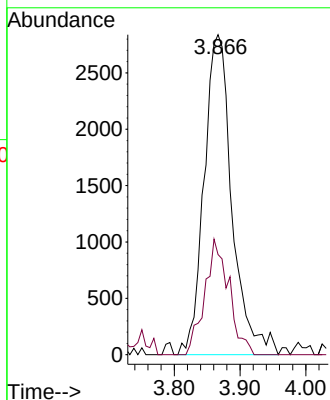
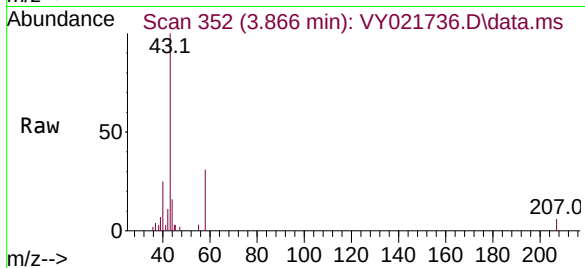
TP-4-VOC

Tgt Ion: 43 Resp: 8390

Ion Ratio Lower Upper

43 100

58 31.3 24.2 36.4



#25

2-Butanone

Concen: 3.421 ug/l

RT: 6.890 min Scan# 848

Delta R.T. -0.006 min

Lab File: VY021736.D

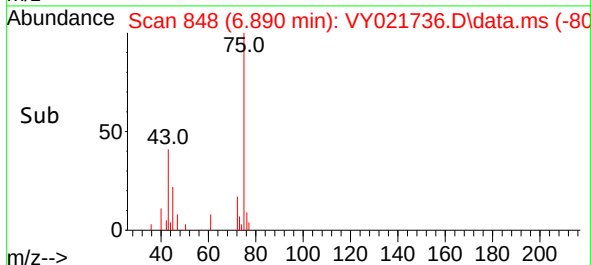
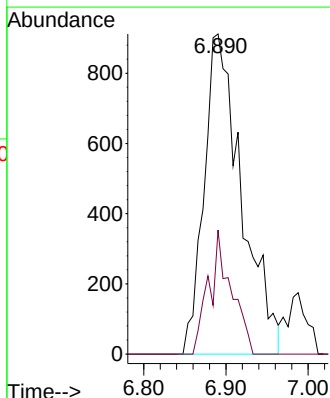
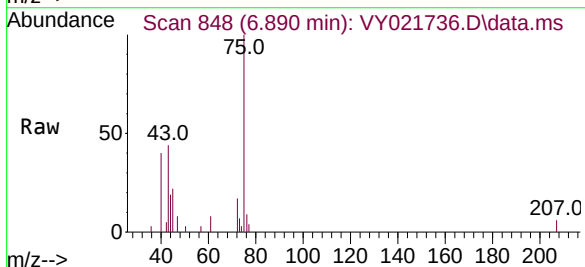
Acq: 01 Apr 2025 12:59

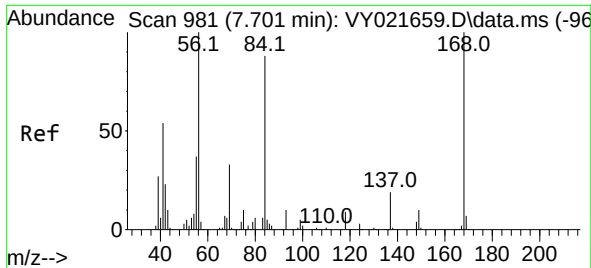
Tgt Ion: 43 Resp: 2892

Ion Ratio Lower Upper

43 100

72 38.7 21.4 32.2#

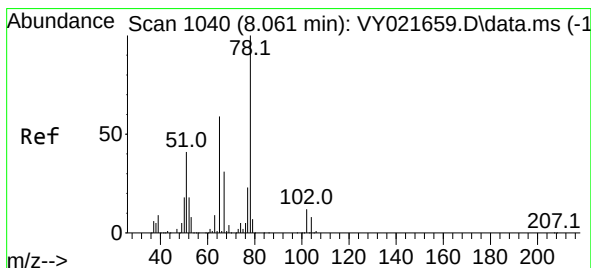
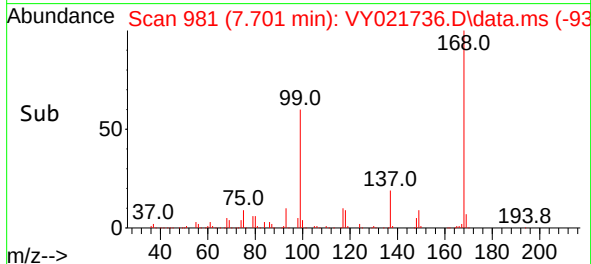
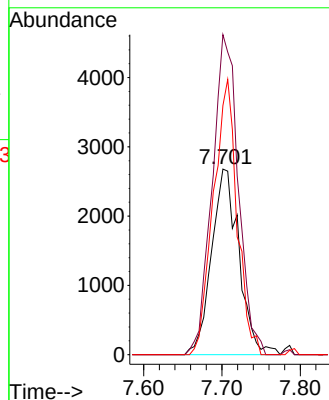
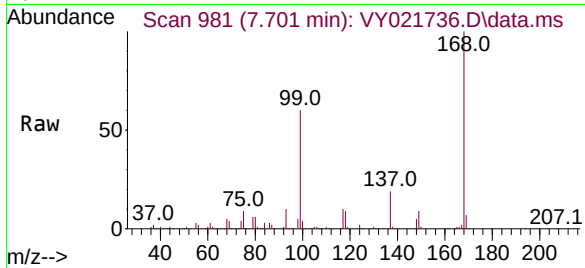




#31
Cyclohexane
Concen: 1.278 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY021736.D
Acq: 01 Apr 2025 12:59

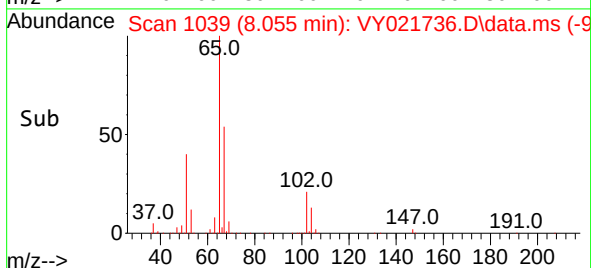
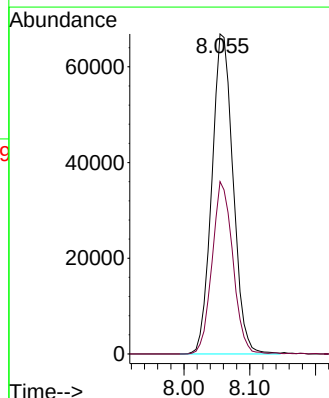
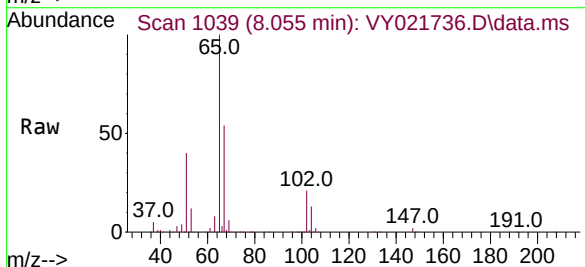
Instrument :
MSVOA_Y
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TP-4-VOC

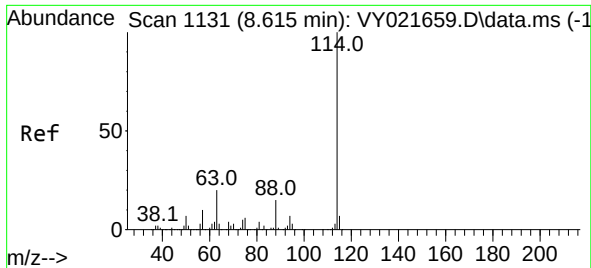
Tgt Ion: 56 Resp: 6525
Ion Ratio Lower Upper
56 100
69 172.4 26.6 40.0#
84 134.2 69.0 103.4#



#33
1,2-Dichloroethane-d4
Concen: 52.045 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY021736.D
Acq: 01 Apr 2025 12:59

Tgt Ion: 65 Resp: 150512
Ion Ratio Lower Upper
65 100
67 52.4 0.0 104.6

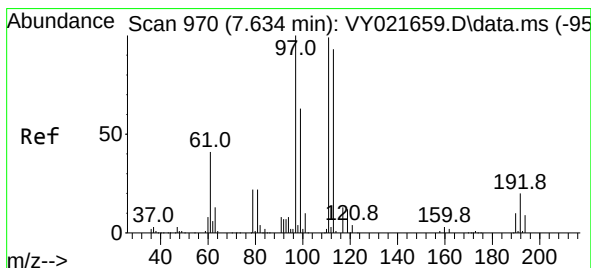
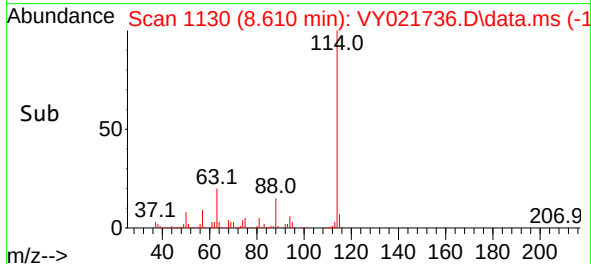
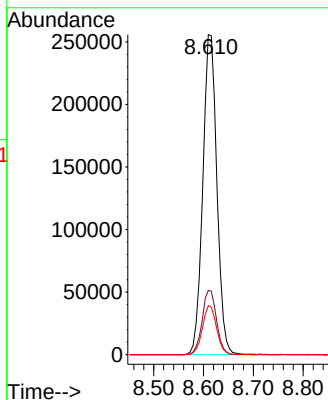
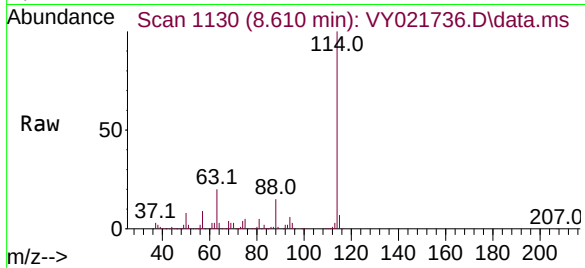




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.610 min Scan# 1131
 Delta R.T. -0.006 min
 Lab File: VY021736.D
 Acq: 01 Apr 2025 12:59

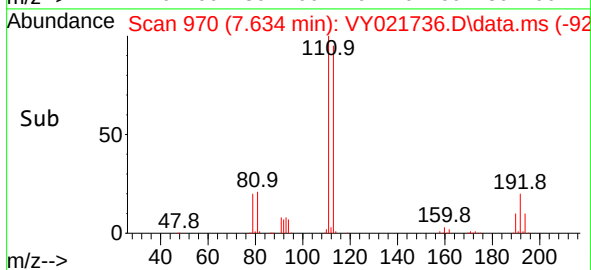
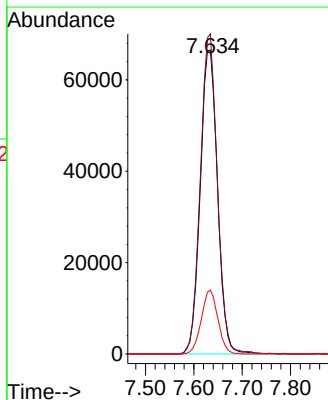
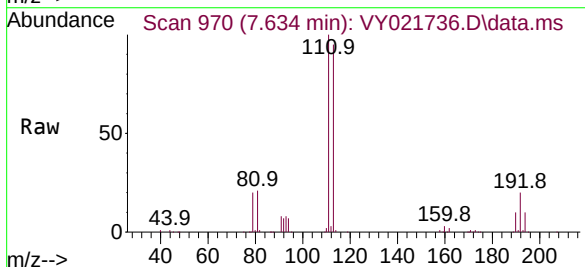
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4-VOC

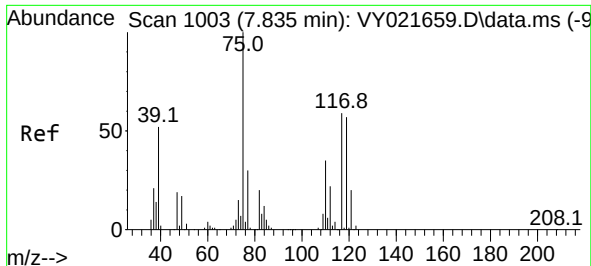
Tgt Ion:114 Resp: 501844
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.2
 88 15.3 0.0 29.8



#35
 Dibromofluoromethane
 Concen: 50.746 ug/l
 RT: 7.634 min Scan# 970
 Delta R.T. 0.000 min
 Lab File: VY021736.D
 Acq: 01 Apr 2025 12:59

Tgt Ion:113 Resp: 165196
 Ion Ratio Lower Upper
 113 100
 111 103.8 82.6 123.8
 192 20.1 16.2 24.4

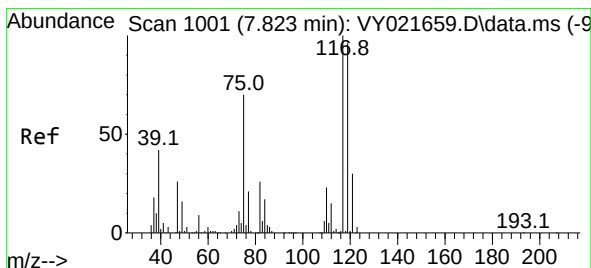
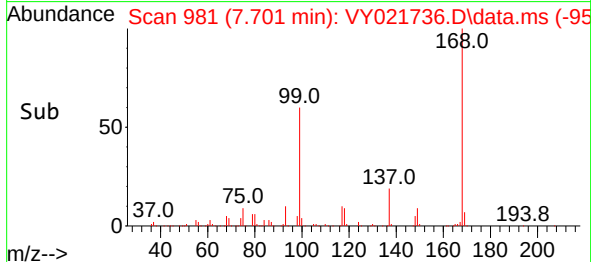
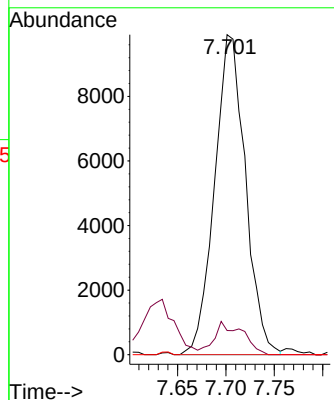
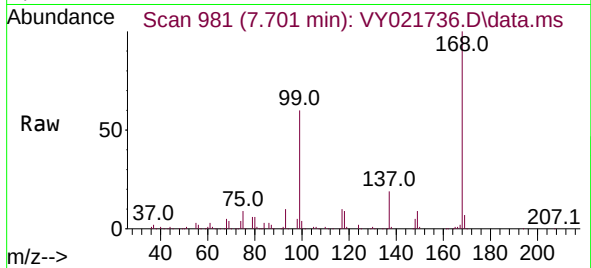




#36
1,1-Dichloropropene
Concen: 4.432 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY021736.D
Acq: 01 Apr 2025 12:59

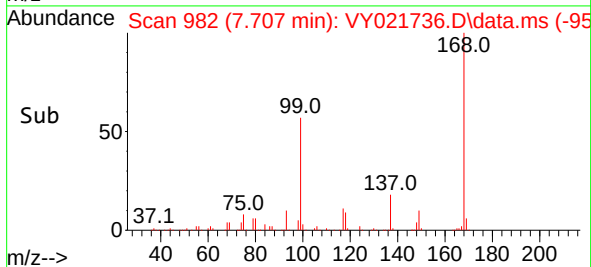
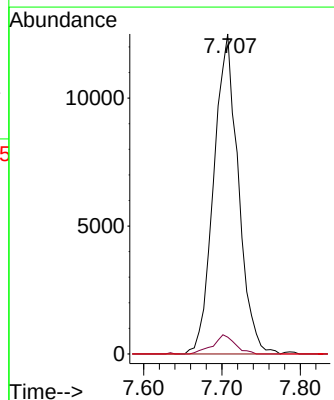
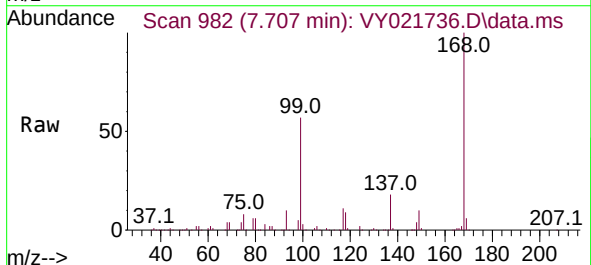
Instrument :
MSVOA_Y
ClientSampleId :
TP-4-VOC

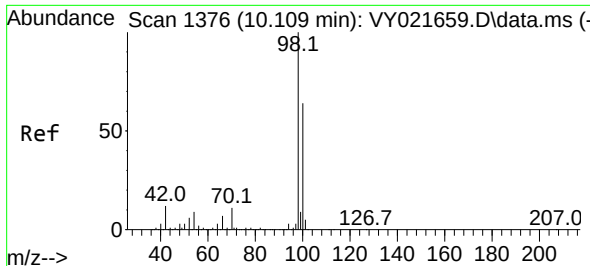
Tgt Ion: 75 Resp: 21977
Ion Ratio Lower Upper
75 100
110 9.6 17.0 50.9#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 4.792 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.116 min
Lab File: VY021736.D
Acq: 01 Apr 2025 12:59

Tgt Ion: 117 Resp: 27213
Ion Ratio Lower Upper
117 100
119 5.3 76.2 114.4#
121 0.0 24.2 36.4#

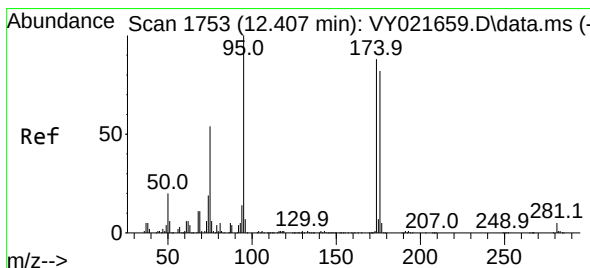
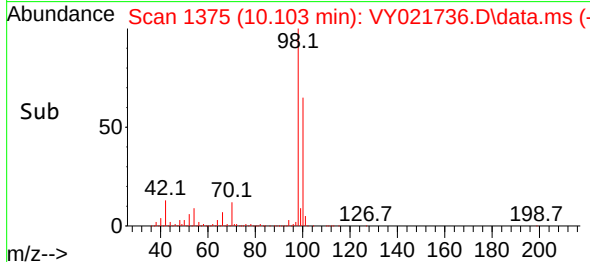
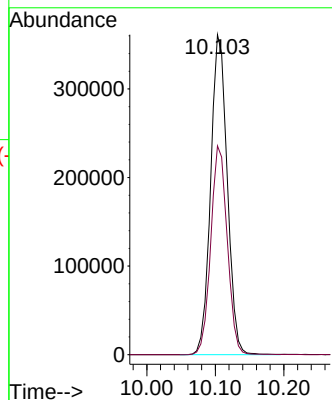
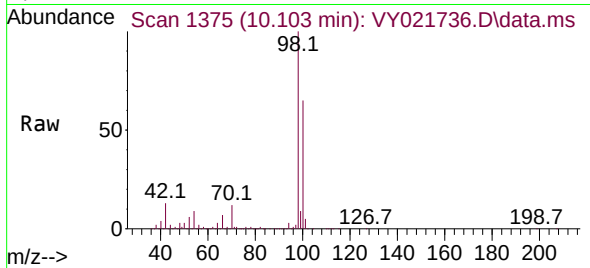




#50
Toluene-d8
Concen: 48.956 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021736.D
Acq: 01 Apr 2025 12:59

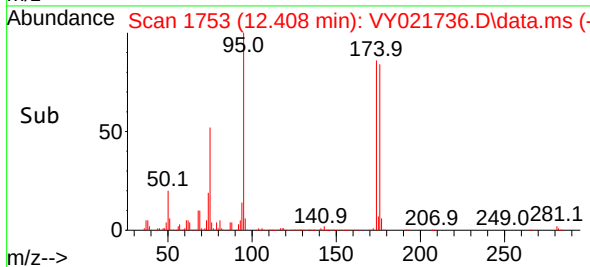
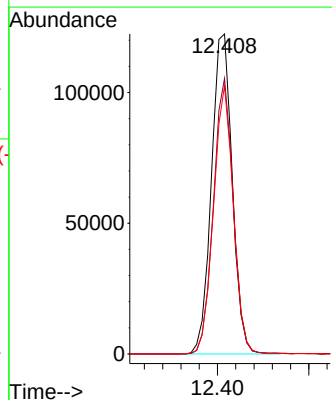
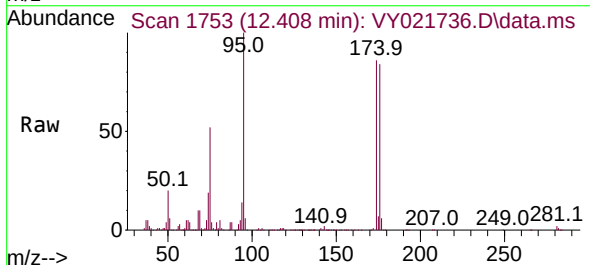
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TP-4-VOC

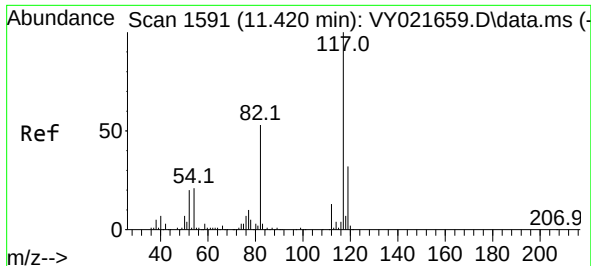
Tgt Ion: 98 Resp: 606288
Ion Ratio Lower Upper
98 100
100 65.0 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 46.138 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021736.D
Acq: 01 Apr 2025 12:59

Tgt Ion: 95 Resp: 193272
Ion Ratio Lower Upper
95 100
174 82.3 0.0 170.8
176 79.9 0.0 162.0

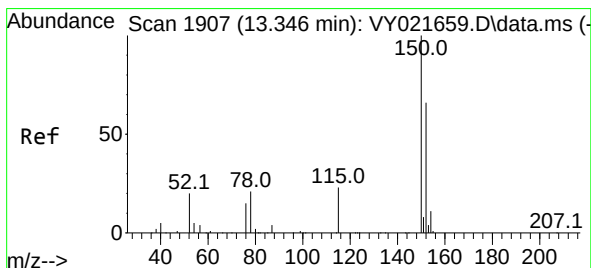
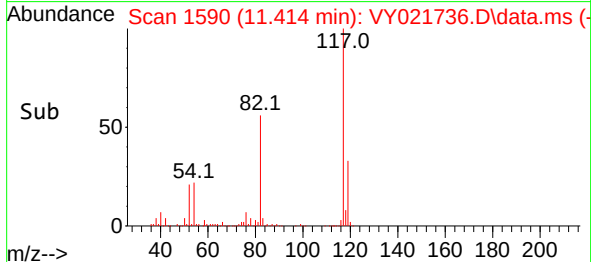
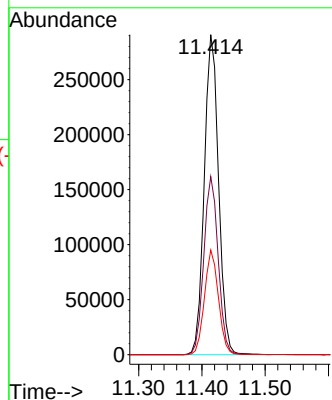
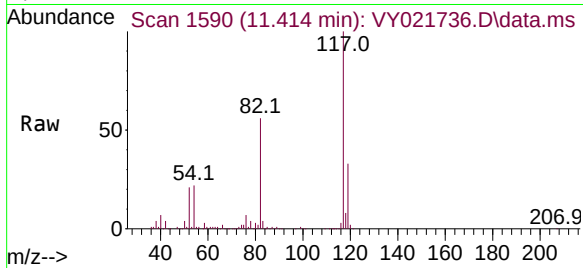




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021736.D
Acq: 01 Apr 2025 12:59

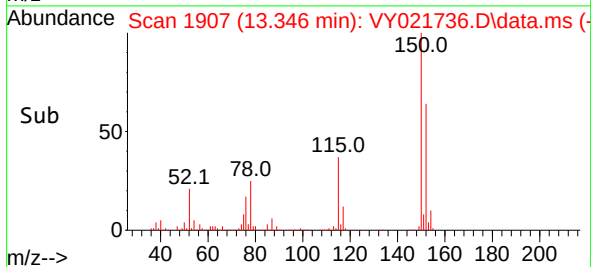
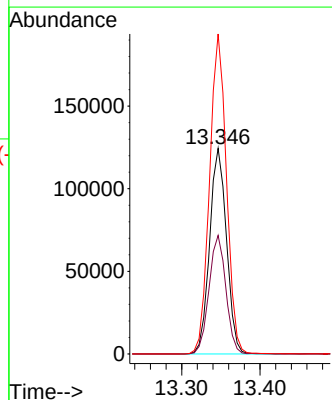
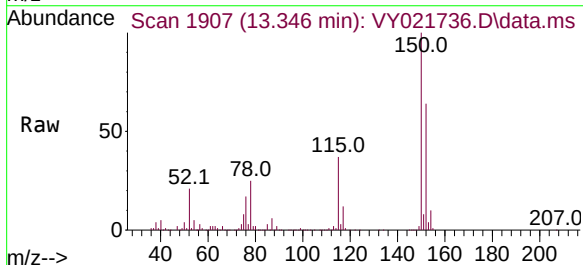
Instrument :
MSVOA_Y
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TP-4-VOC

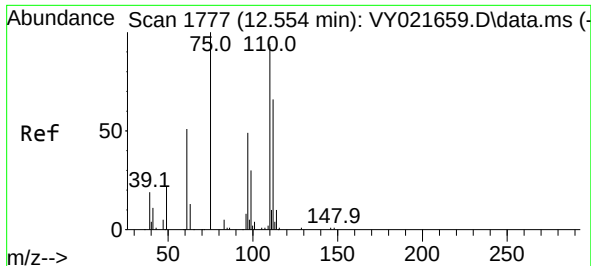
Tgt Ion:117 Resp: 458795
Ion Ratio Lower Upper
117 100
82 55.7 42.8 64.2
119 32.7 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021736.D
Acq: 01 Apr 2025 12:59

Tgt Ion:152 Resp: 186419
Ion Ratio Lower Upper
152 100
115 57.4 28.8 86.5
150 155.4 0.0 348.4

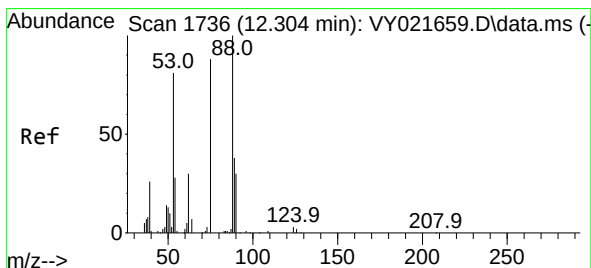
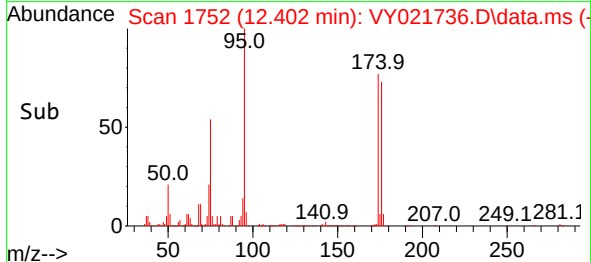
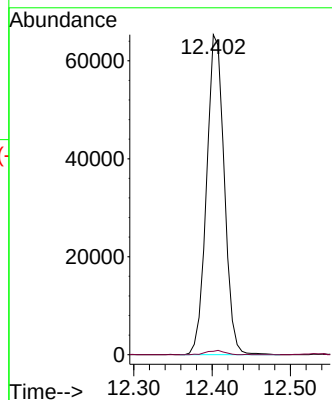
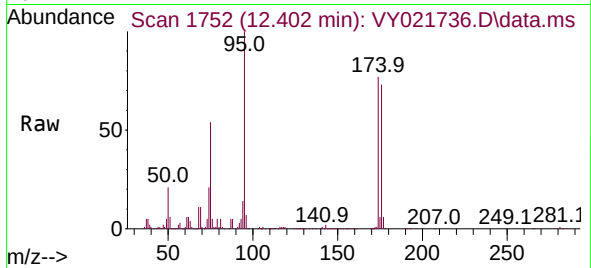




#76
1,2,3-Trichloropropane
Concen: 55.265 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY021736.D
Acq: 01 Apr 2025 12:59

Instrument :
MSVOA_Y
ClientSampleId :
TP-4-VOC

Tgt Ion: 75 Resp: 102123
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 127.339 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY021736.D
Acq: 01 Apr 2025 12:59

Tgt Ion: 75 Resp: 102123
Ion Ratio Lower Upper
75 100
53 0.2 76.1 114.1#
89 0.0 36.2 54.4#

