

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
 Data File : VY022221.D
 Acq On : 12 May 2025 13:55
 Operator : SY/MD
 Sample : Q1983-44
 Misc : 4.54g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-636-VOC-08

Quant Time: May 13 02:20:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

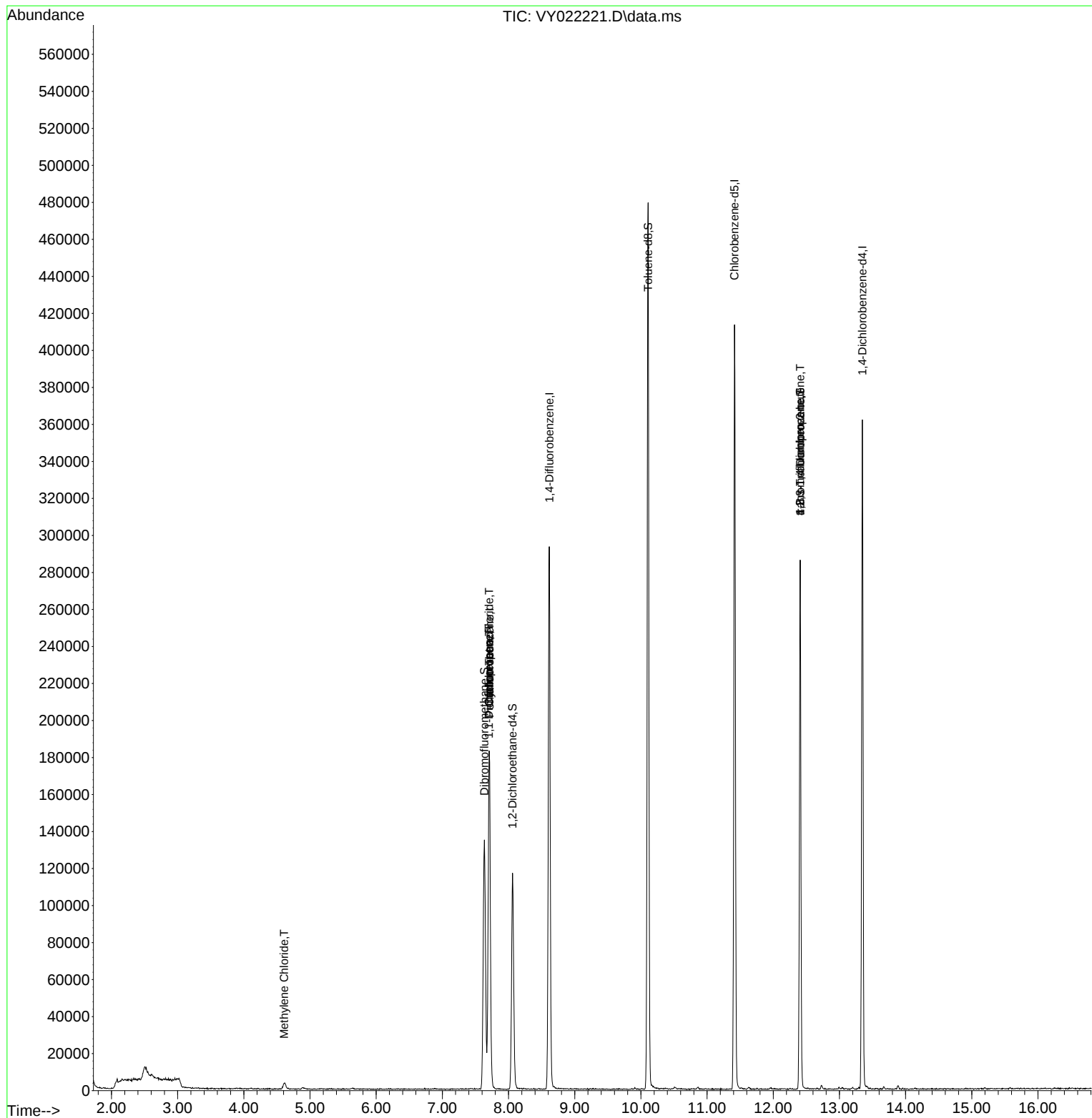
Internal Standards						
1) Pentafluorobenzene	7.713	168	142954	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	259399	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	232592	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	92203	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	91564	69.344	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 138.680%			
35) Dibromofluoromethane	7.634	113	98348	57.388	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.780%			
50) Toluene-d8	10.109	98	323694	50.102	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.200%			
62) 4-Bromofluorobenzene	12.408	95	86607	39.820	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 79.640%			
Target Compounds						
16) Acetone	3.873	43	635	Below Cal	#	83
20) Methylene Chloride	4.610	84	2792	1.672	ug/l #	80
31) Cyclohexane	7.707	56	2881	1.320	ug/l #	1
36) 1,1-Dichloropropene	7.701	75	11011	4.783	ug/l #	46
38) Carbon Tetrachloride	7.707	117	14180	5.155	ug/l #	20
76) 1,2,3-Trichloropropane	12.408	75	42954	54.388	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	42954	130.975	ug/l #	16

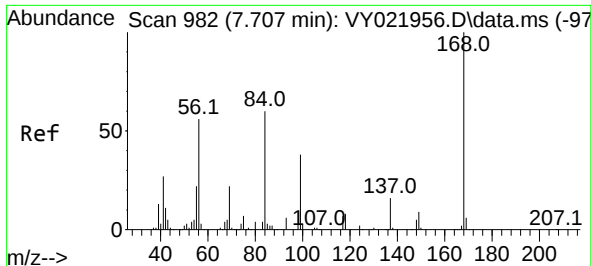
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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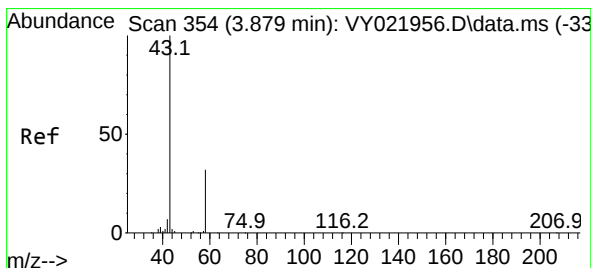
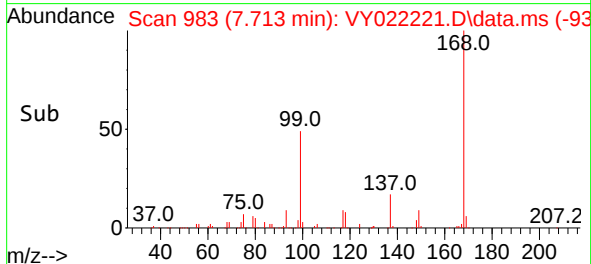
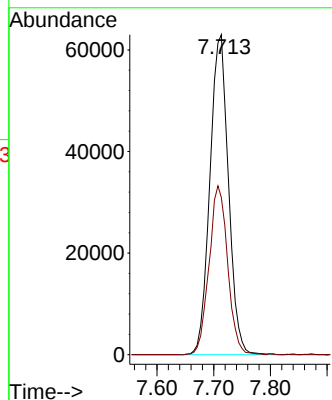
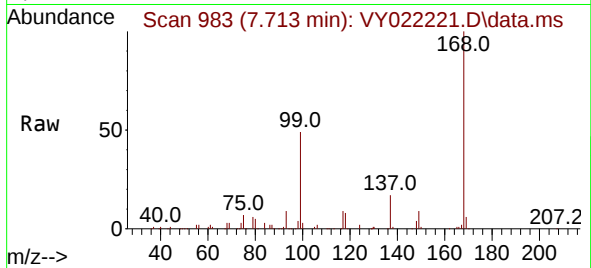




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022221.D
Acq: 12 May 2025 13:55

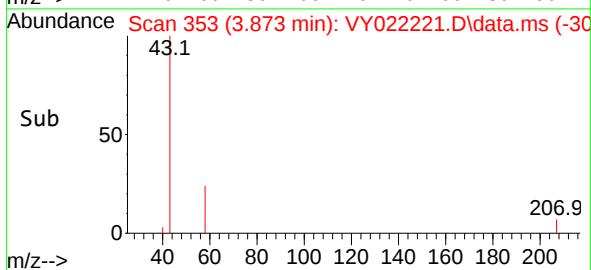
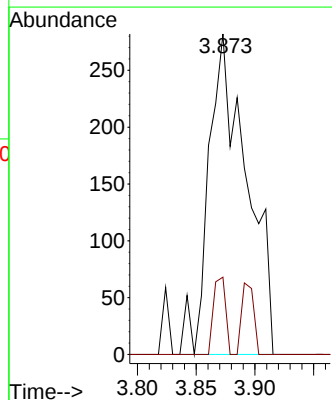
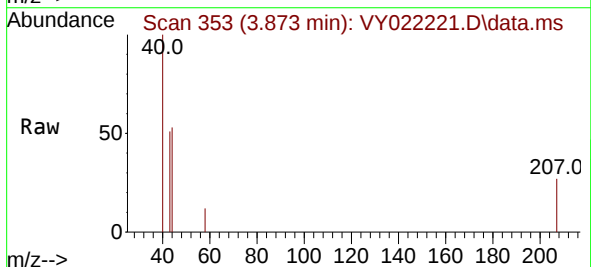
Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-08

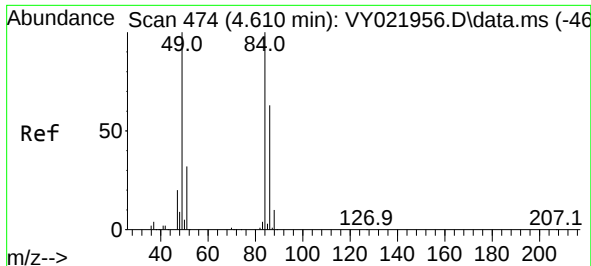
Tgt Ion:168 Resp: 142954
Ion Ratio Lower Upper
168 100
99 49.2 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022221.D
Acq: 12 May 2025 13:55

Tgt Ion: 43 Resp: 635
Ion Ratio Lower Upper
43 100
58 24.1 27.0 40.4#

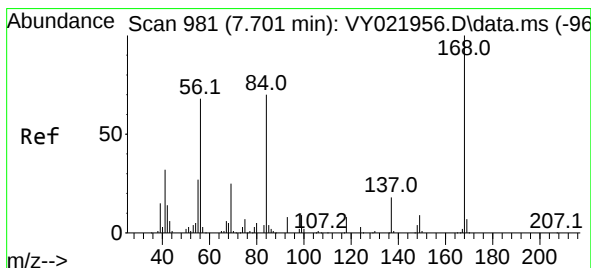
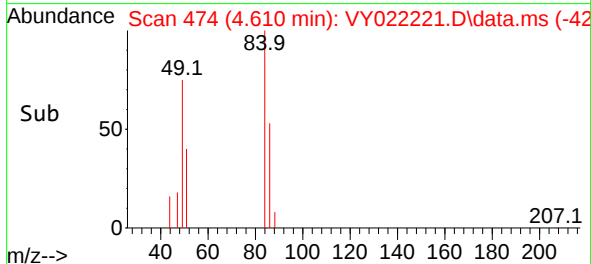
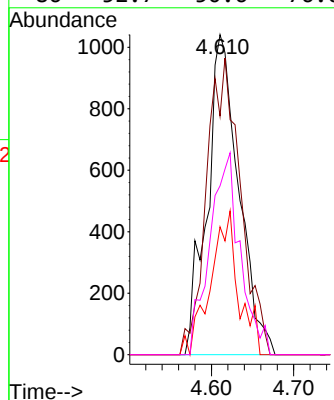
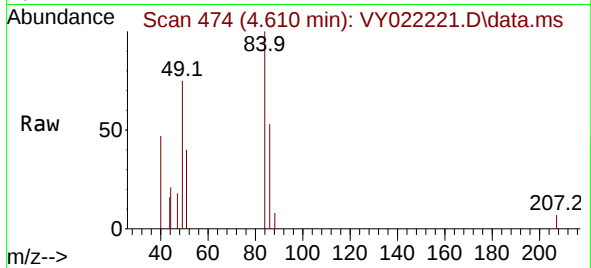




#20
Methylene Chloride
Concen: 1.672 ug/l
RT: 4.610 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY022221.D
Acq: 12 May 2025 13:55

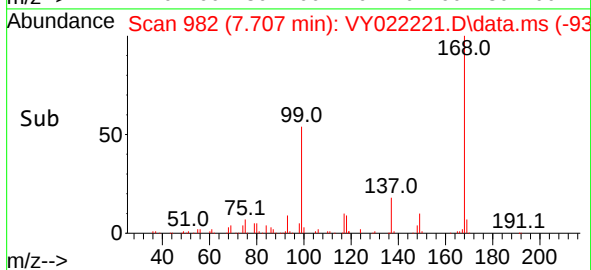
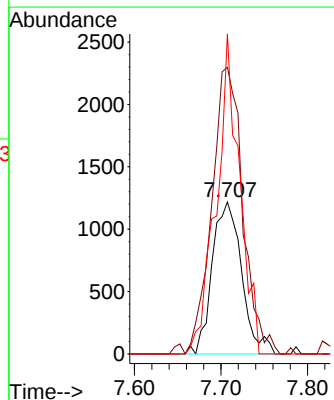
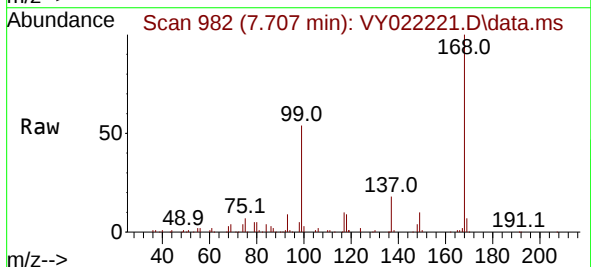
Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-08

Tgt Ion:	84	Resp:	2792
Ion	Ratio	Lower	Upper
84	100		
49	74.5	79.9	119.9#
51	40.0	25.4	38.0#
86	52.7	50.6	76.0



#31
Cyclohexane
Concen: 1.320 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY022221.D
Acq: 12 May 2025 13:55

Tgt Ion:	56	Resp:	2881
Ion	Ratio	Lower	Upper
56	100		
69	188.5	29.4	44.2#
84	210.4	82.2	123.4#





#33

1,2-Dichloroethane-d4

Concen: 69.344 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY022221.D

Acq: 12 May 2025 13:55

Instrument :

MSVOA_Y

ClientSampleId :

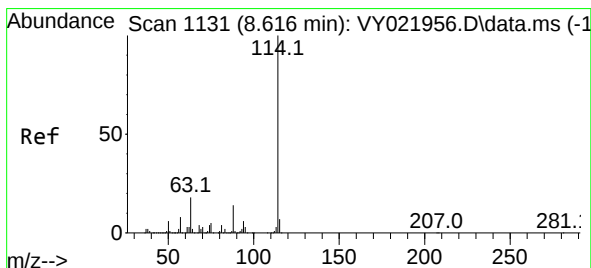
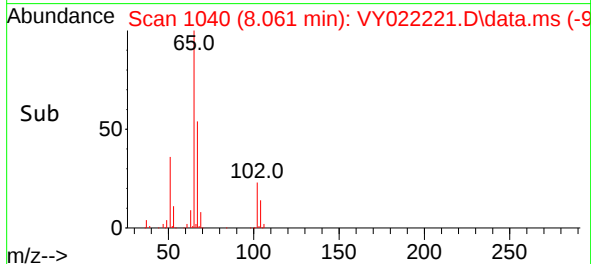
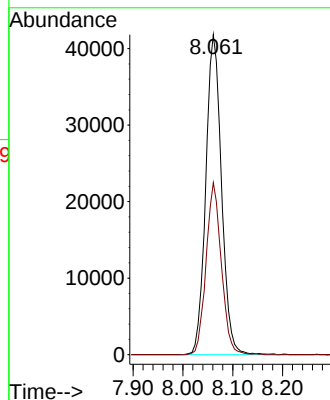
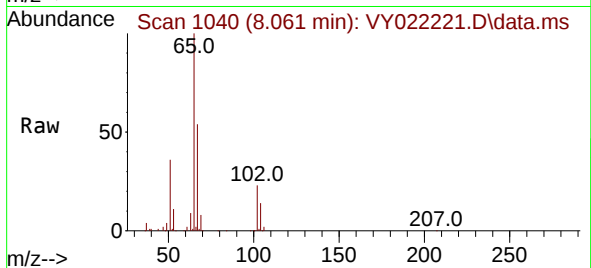
OR-636-VOC-08

Tgt Ion: 65 Resp: 91564

Ion Ratio Lower Upper

65 100

67 52.1 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: VY022221.D

Acq: 12 May 2025 13:55

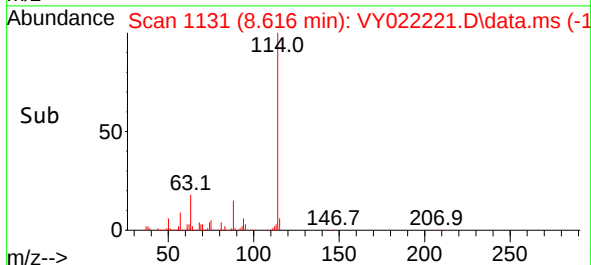
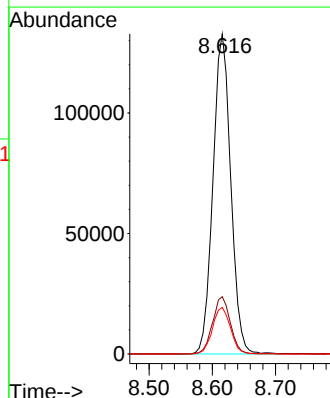
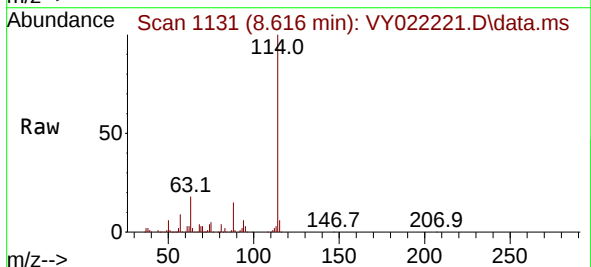
Tgt Ion: 114 Resp: 259399

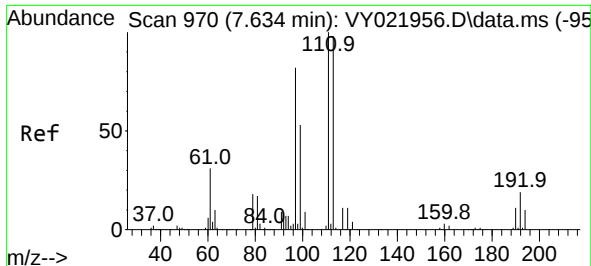
Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.4

88 14.6 0.0 28.2

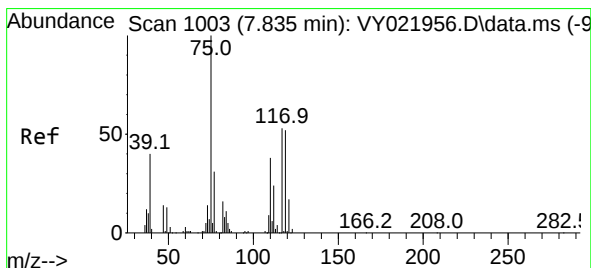
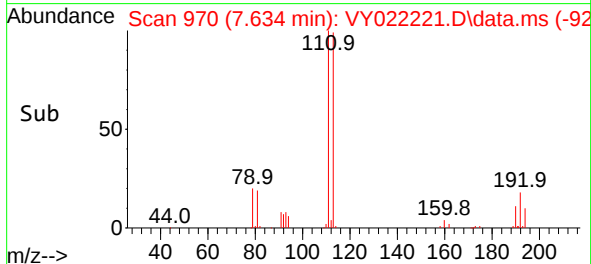
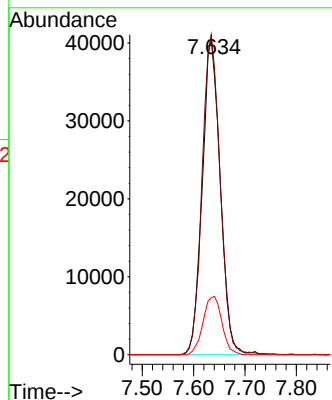
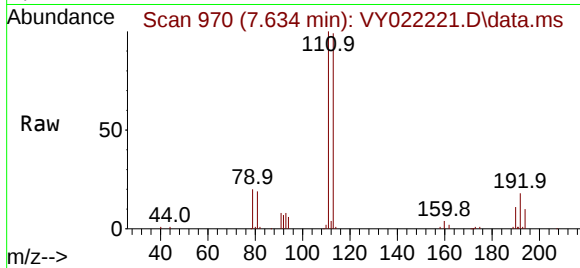




#35
Dibromofluoromethane
Concen: 57.388 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022221.D
Acq: 12 May 2025 13:55

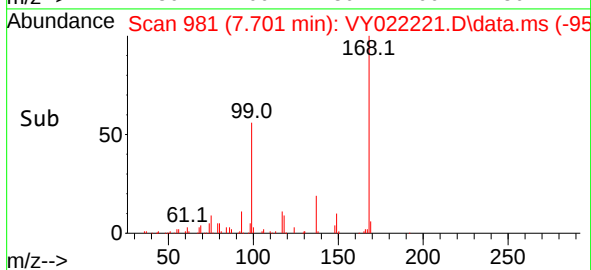
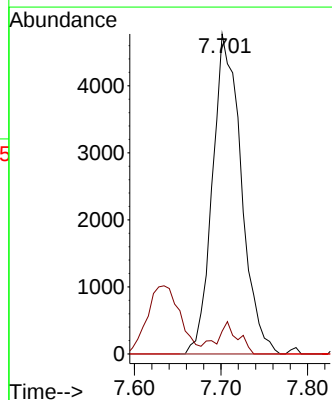
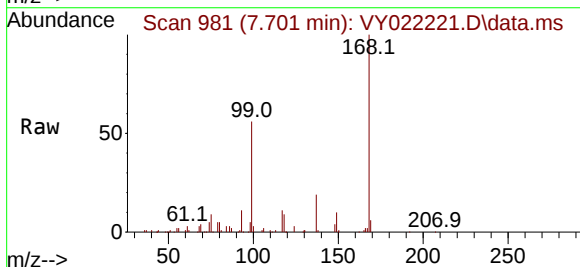
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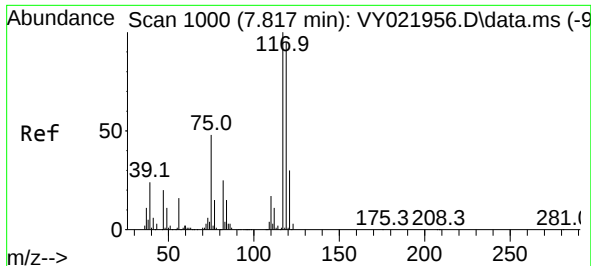
Tgt Ion:113 Resp: 98348
Ion Ratio Lower Upper
113 100
111 101.3 81.8 122.8
192 19.4 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.783 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.134 min
Lab File: VY022221.D
Acq: 12 May 2025 13:55

Tgt Ion: 75 Resp: 11011
Ion Ratio Lower Upper
75 100
110 7.4 19.1 57.3#
77 0.0 25.5 38.3#

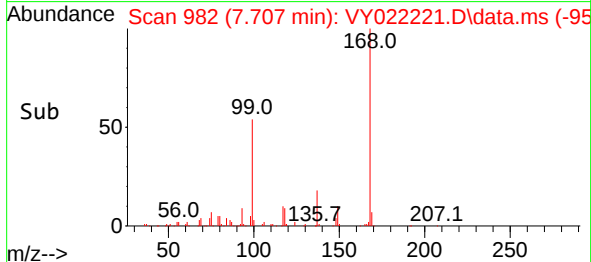
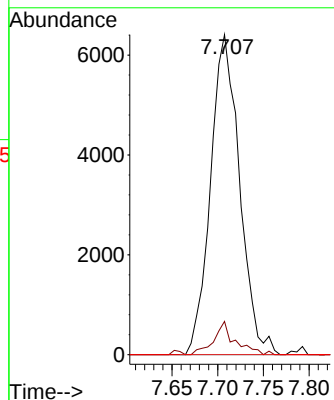
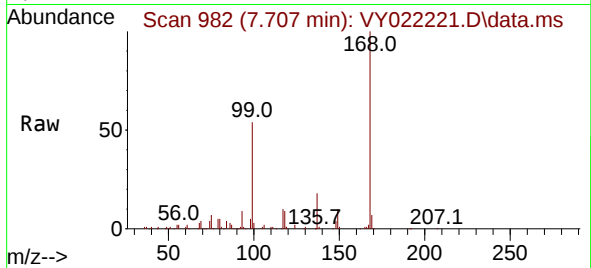




#38
Carbon Tetrachloride
Concen: 5.155 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022221.D
Acq: 12 May 2025 13:55

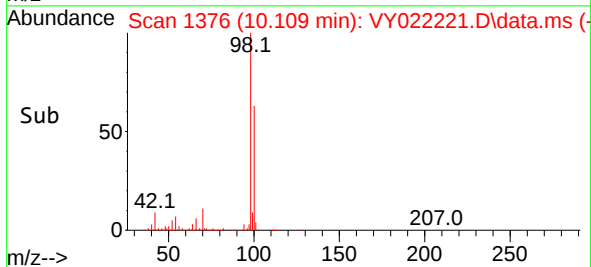
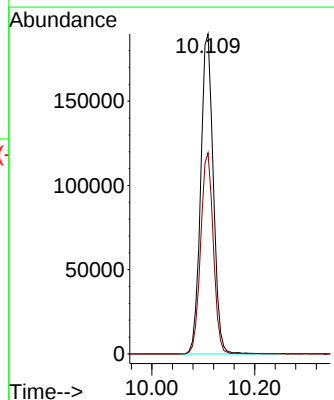
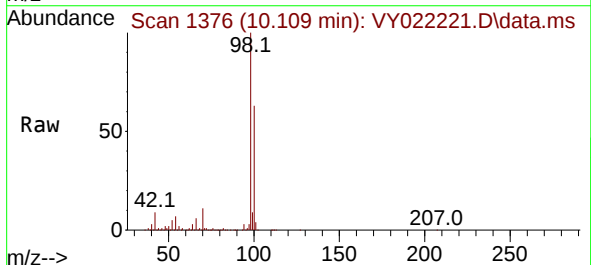
Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-08

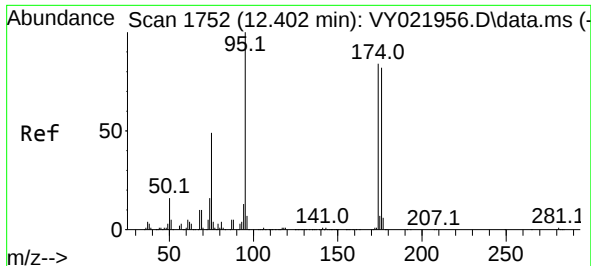
Tgt Ion:117 Resp: 14180
Ion Ratio Lower Upper
117 100
119 10.4 76.2 114.4#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 50.102 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022221.D
Acq: 12 May 2025 13:55

Tgt Ion: 98 Resp: 323694
Ion Ratio Lower Upper
98 100
100 63.1 51.6 77.4

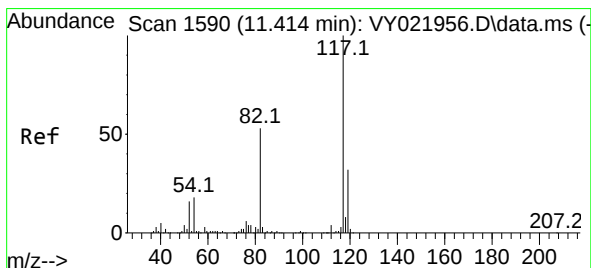
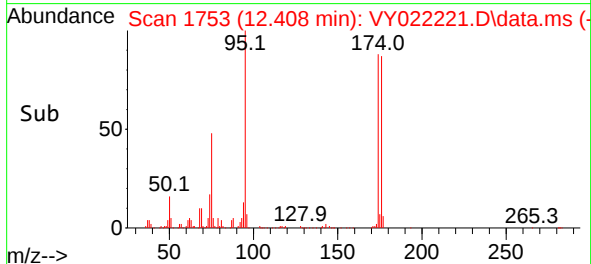
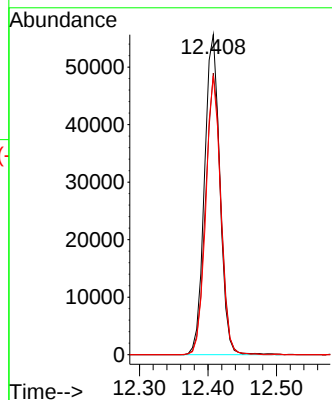
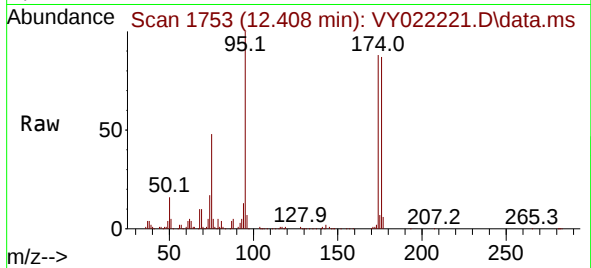




#62
4-Bromofluorobenzene
Concen: 39.820 ug/l
RT: 12.408 min Scan# 1752
Delta R.T. 0.006 min
Lab File: VY022221.D
Acq: 12 May 2025 13:55

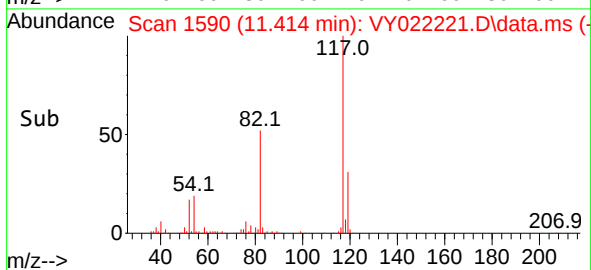
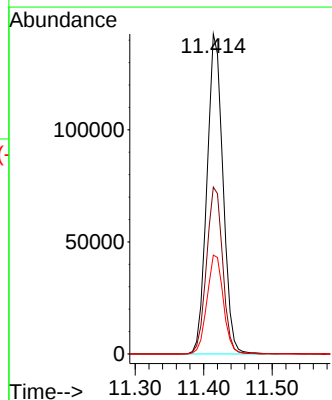
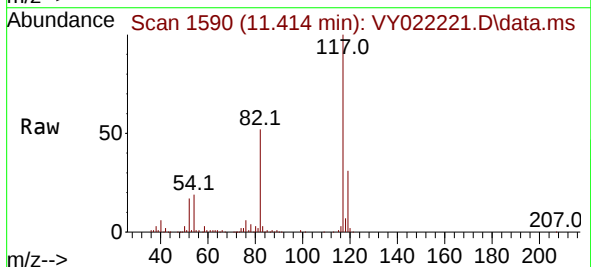
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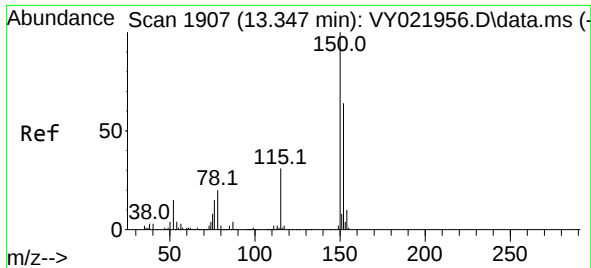
Tgt Ion: 95 Resp: 86607
Ion Ratio Lower Upper
95 100
174 87.9 0.0 179.0
176 85.0 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY022221.D
Acq: 12 May 2025 13:55

Tgt Ion: 117 Resp: 232592
Ion Ratio Lower Upper
117 100
82 52.1 42.1 63.1
119 30.9 25.7 38.5

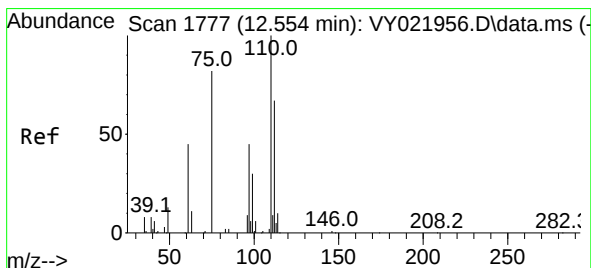
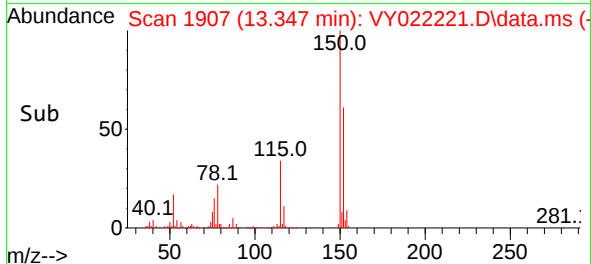
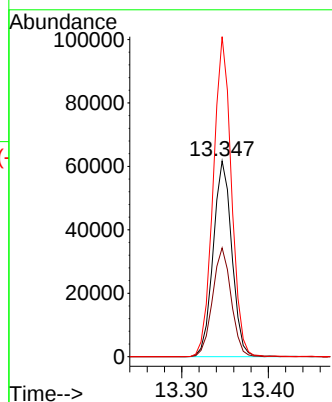
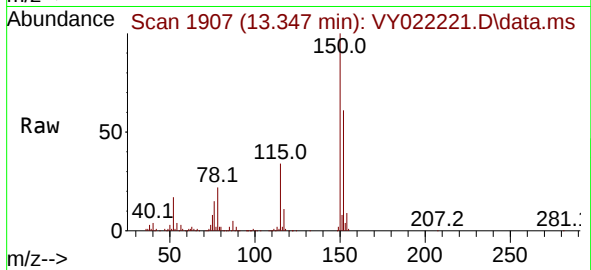




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY022221.D
 Acq: 12 May 2025 13:55

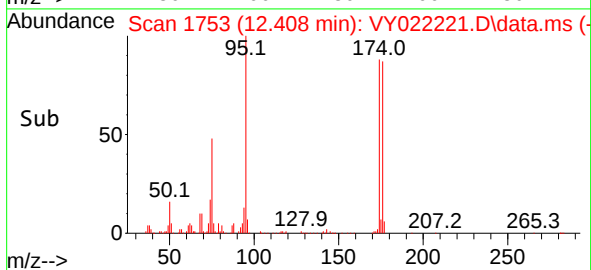
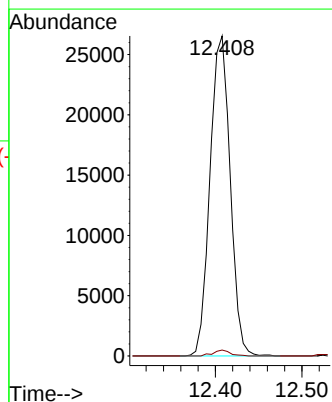
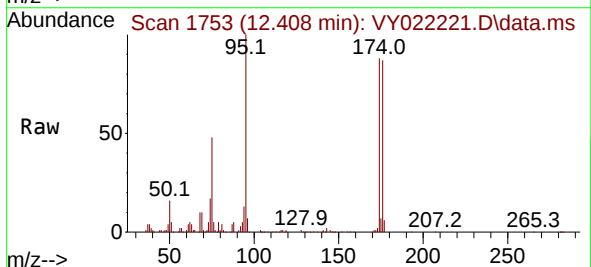
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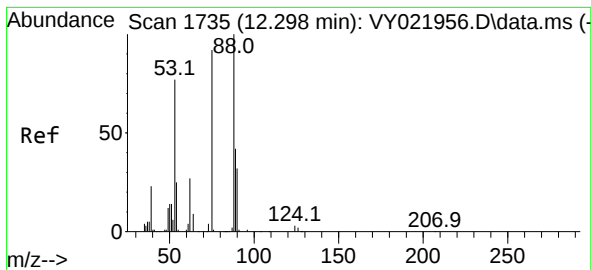
Tgt Ion:152 Resp: 92203
 Ion Ratio Lower Upper
 152 100
 115 55.4 28.0 84.0
 150 159.5 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 54.388 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY022221.D
 Acq: 12 May 2025 13:55

Tgt Ion: 75 Resp: 42954
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.975 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY022221.D
 Acq: 12 May 2025 13:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-636-VOC-08

Tgt Ion: 75 Resp: 42954
 Ion Ratio Lower Upper
 75 100
 53 0.1 66.0 99.0#
 89 0.0 37.2 55.8#

