

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051325\
 Data File : VY022250.D
 Acq On : 13 May 2025 17:50
 Operator : SY/MD
 Sample : Q2007-32
 Misc : 5.47g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-636-VOC-15

Quant Time: May 14 04:37:12 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)

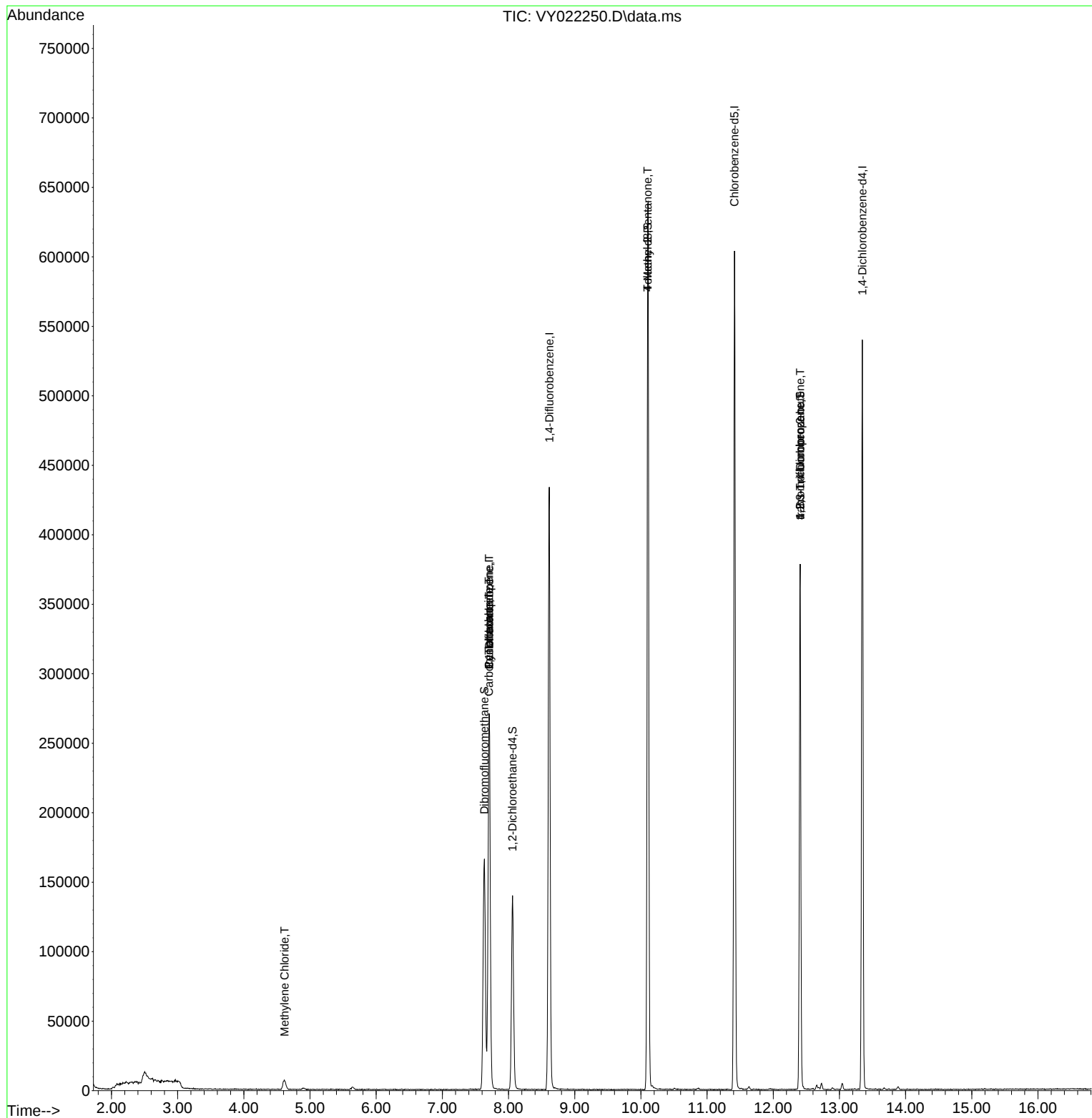
Internal Standards						
1) Pentafluorobenzene	7.707	168	211472	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	380864	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	331186	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	141836	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	107199	54.880	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.760%	
35) Dibromofluoromethane	7.634	113	122059	48.509	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.020%	
50) Toluene-d8	10.103	98	431245	45.461	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 90.920%	
62) 4-Bromofluorobenzene	12.408	95	115548	36.184	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 72.360%	
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	298	Below Cal	#	41
20) Methylene Chloride	4.616	84	5260	2.130	ug/l	91
31) Cyclohexane	7.707	56	4444	1.376	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	16589	4.908	ug/l #	48
38) Carbon Tetrachloride	7.701	117	21428	5.306	ug/l #	16
51) 4-Methyl-2-Pentanone	10.103	43	1545	1.264	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	58327	48.010	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	58327	115.615	ug/l #	16

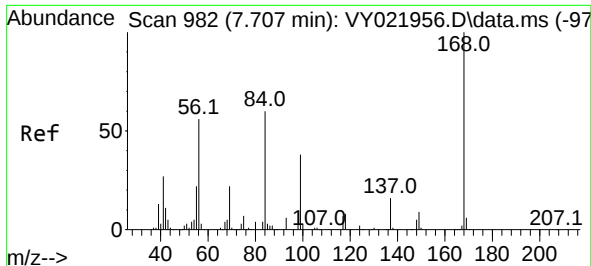
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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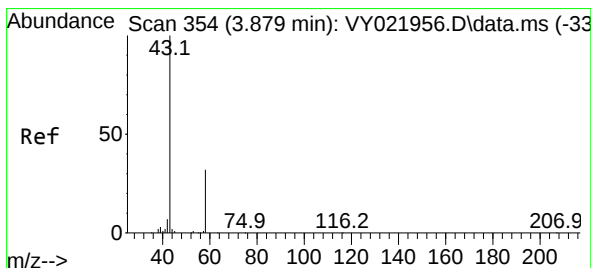
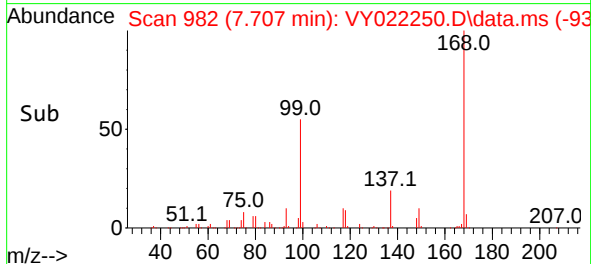
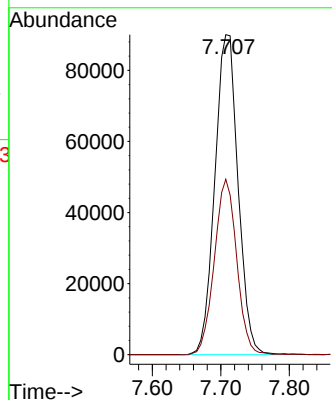
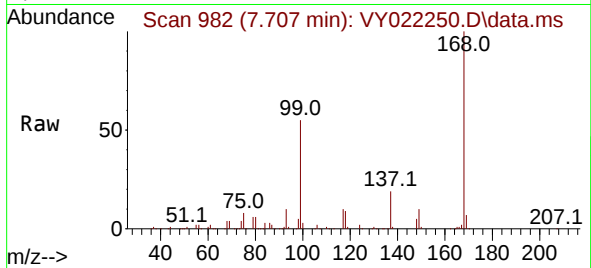




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022250.D
Acq: 13 May 2025 17:50

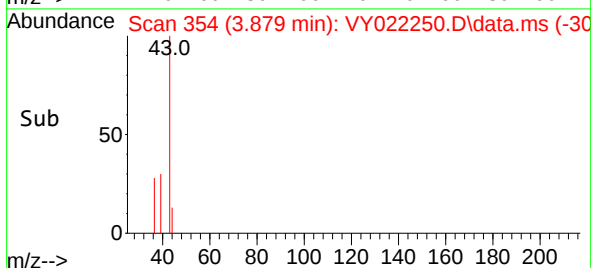
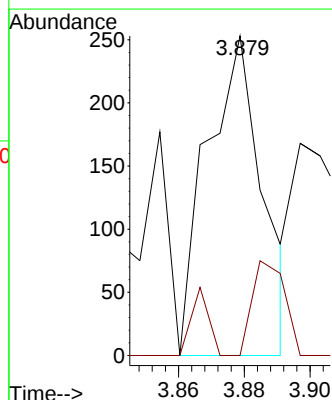
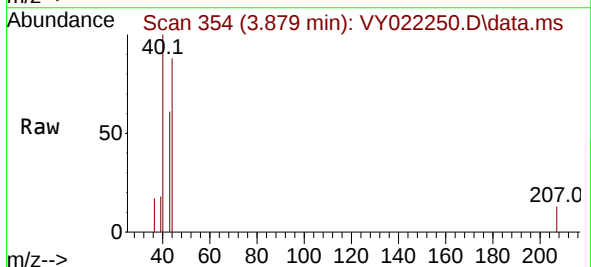
Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-15

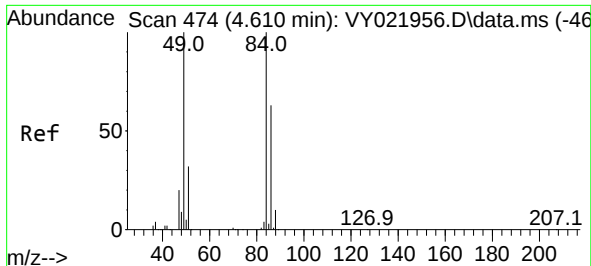
Tgt Ion:168 Resp: 211472
Ion Ratio Lower Upper
168 100
99 54.8 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022250.D
Acq: 13 May 2025 17:50

Tgt Ion: 43 Resp: 298
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.4#

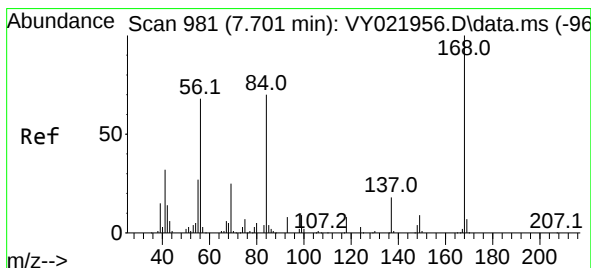
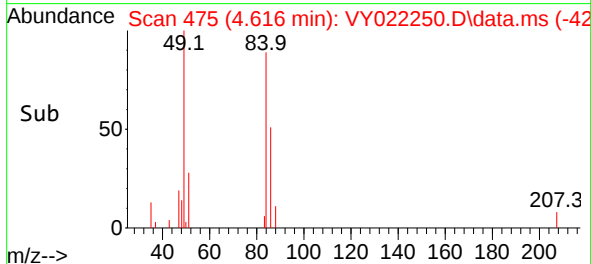
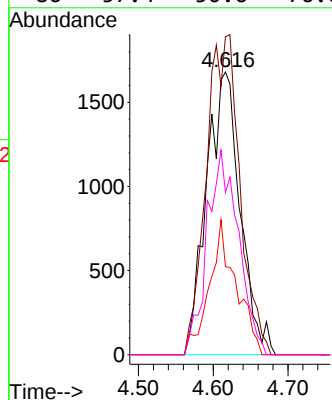
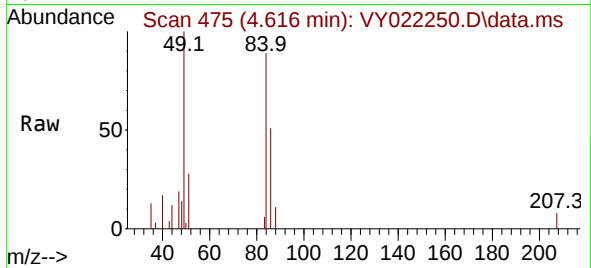




#20
Methylene Chloride
Concen: 2.130 ug/l
RT: 4.616 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY022250.D
Acq: 13 May 2025 17:50

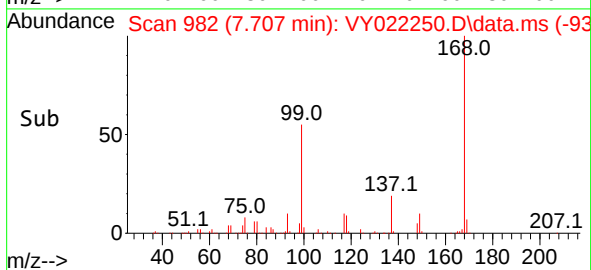
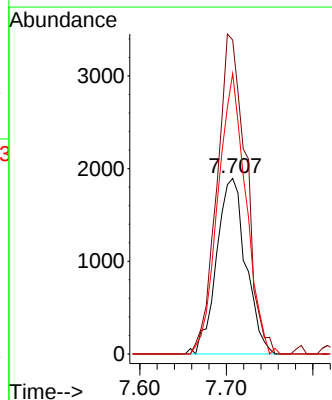
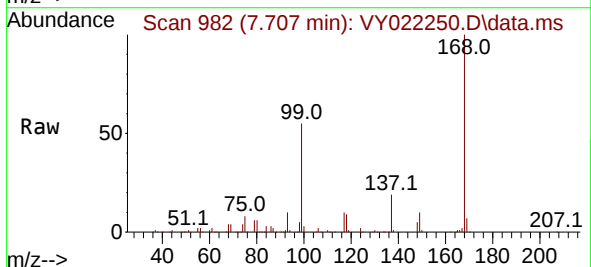
Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-15

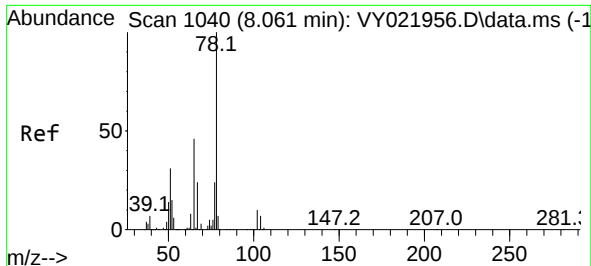
Tgt Ion:	84	Resp:	5260
Ion	Ratio	Lower	Upper
84	100		
49	112.5	79.9	119.9
51	31.1	25.4	38.0
86	57.4	50.6	76.0



#31
Cyclohexane
Concen: 1.376 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY022250.D
Acq: 13 May 2025 17:50

Tgt Ion:	56	Resp:	4444
Ion	Ratio	Lower	Upper
56	100		
69	178.8	29.4	44.2#
84	159.7	82.2	123.4#





#33

1,2-Dichloroethane-d4

Concen: 54.880 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. -0.000 min

Lab File: VY022250.D

Acq: 13 May 2025 17:50

Instrument :

MSVOA_Y

ClientSampleId :

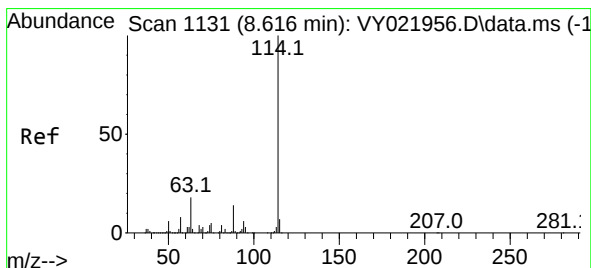
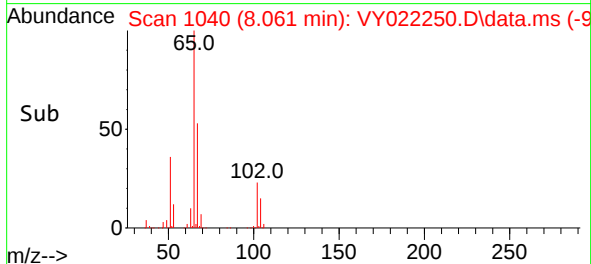
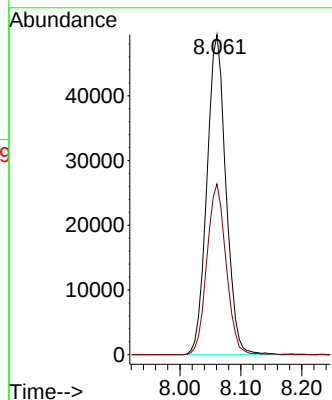
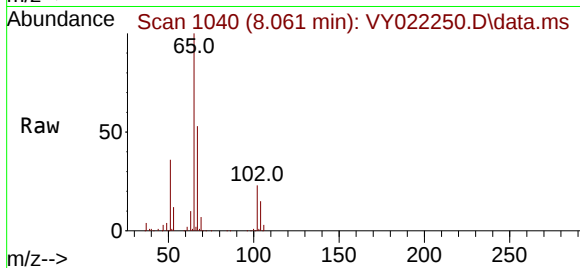
OR-636-VOC-15

Tgt Ion: 65 Resp: 107199

Ion Ratio Lower Upper

65 100

67 53.9 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: VY022250.D

Acq: 13 May 2025 17:50

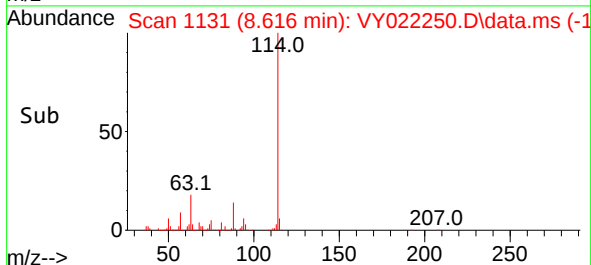
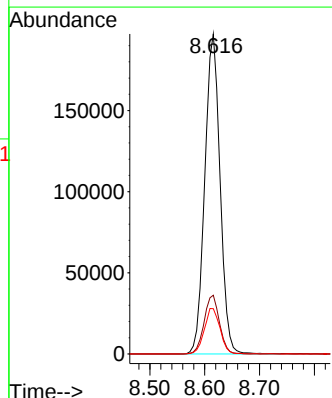
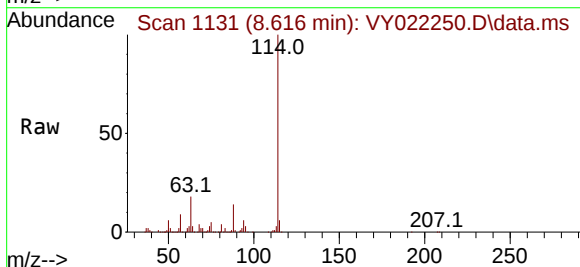
Tgt Ion: 114 Resp: 380864

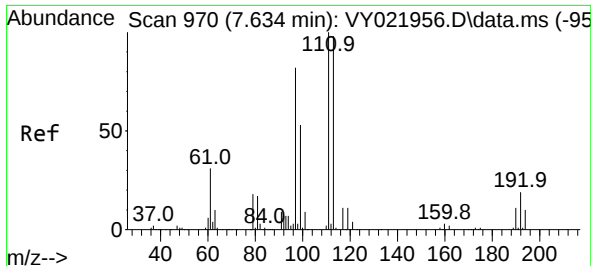
Ion Ratio Lower Upper

114 100

63 18.3 0.0 35.4

88 14.1 0.0 28.2

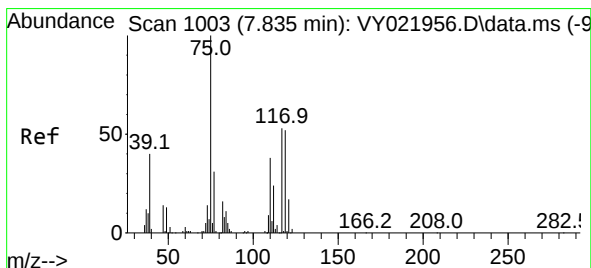
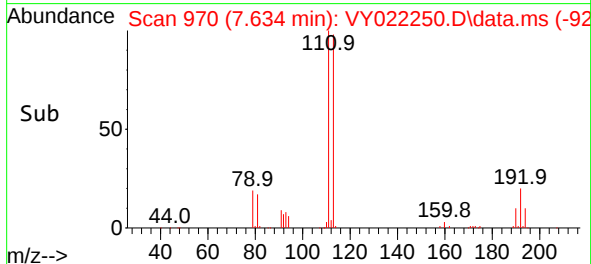
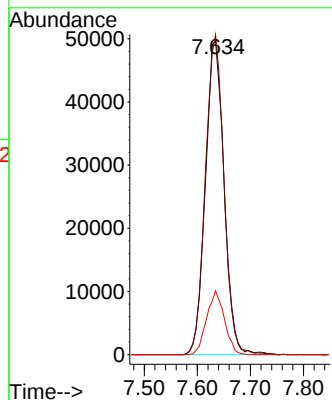
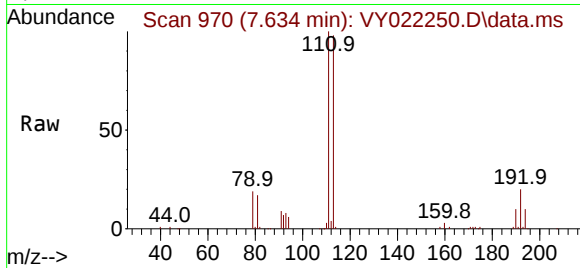




#35
Dibromofluoromethane
Concen: 48.509 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022250.D
Acq: 13 May 2025 17:50

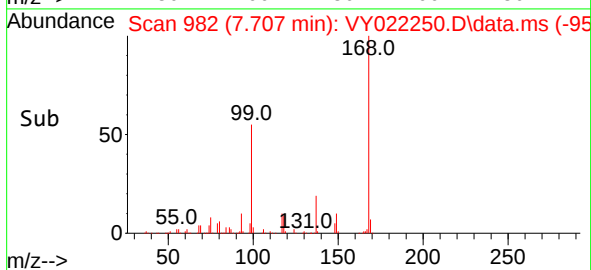
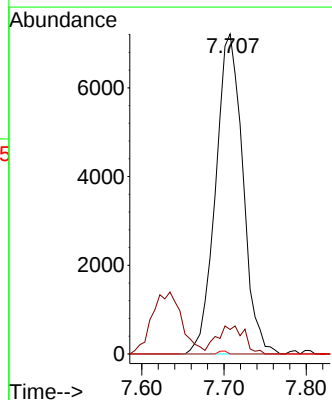
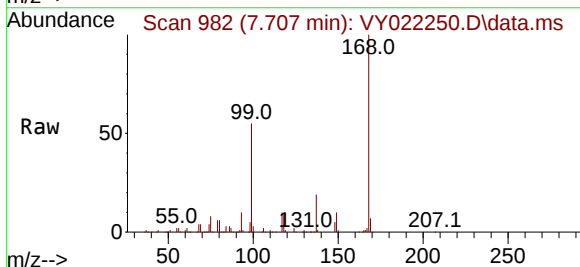
Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-15

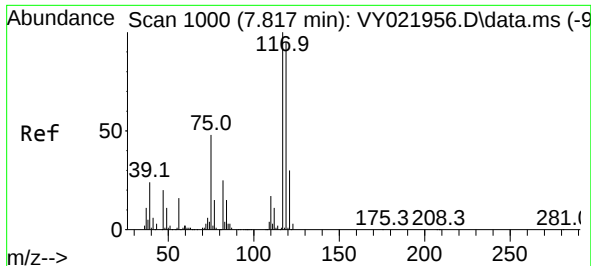
Tgt Ion:113 Resp: 122059
Ion Ratio Lower Upper
113 100
111 100.5 81.8 122.8
192 19.3 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.908 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY022250.D
Acq: 13 May 2025 17:50

Tgt Ion: 75 Resp: 16589
Ion Ratio Lower Upper
75 100
110 8.9 19.1 57.3#
77 0.3 25.5 38.3#

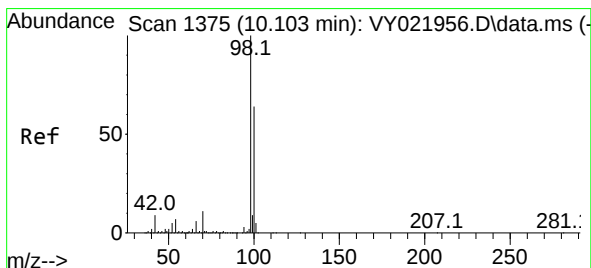
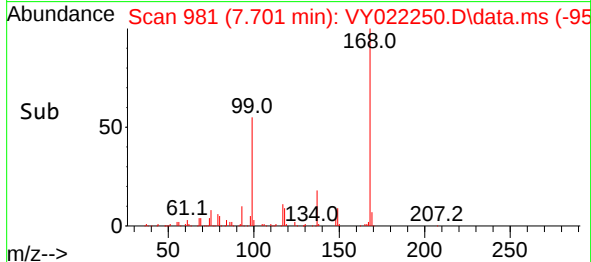
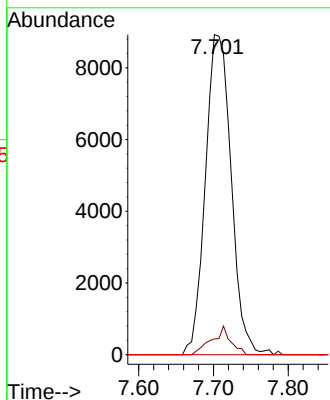
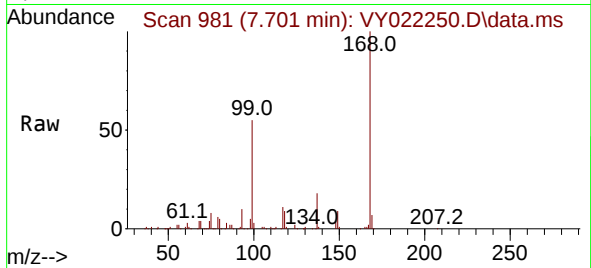




#38
Carbon Tetrachloride
Concen: 5.306 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022250.D
Acq: 13 May 2025 17:50

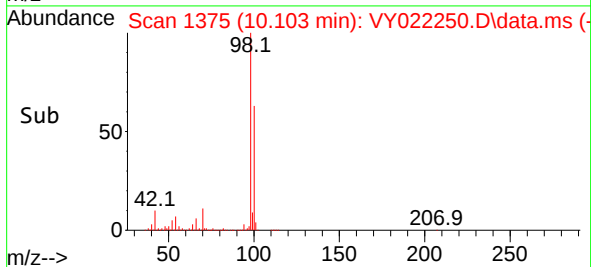
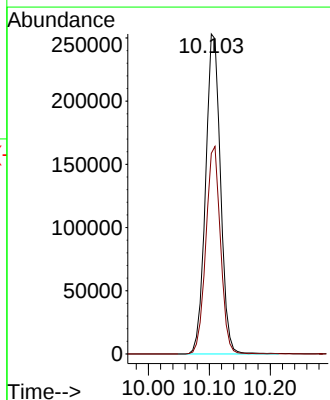
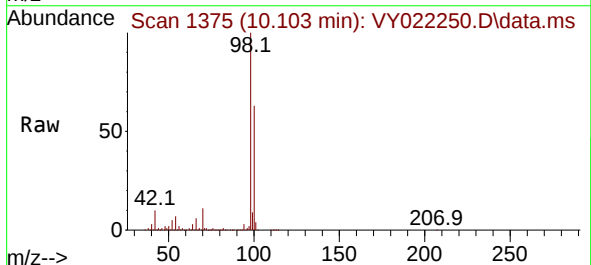
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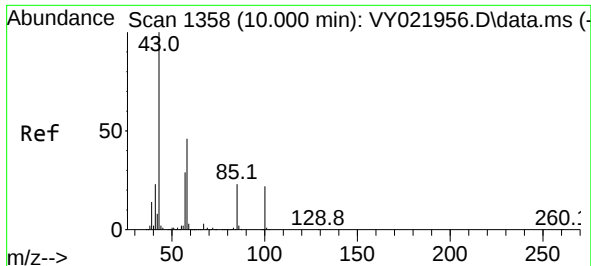
Tgt Ion:117 Resp: 21428
Ion Ratio Lower Upper
117 100
119 4.9 76.2 114.4#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 45.461 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022250.D
Acq: 13 May 2025 17:50

Tgt Ion: 98 Resp: 431245
Ion Ratio Lower Upper
98 100
100 63.6 51.6 77.4

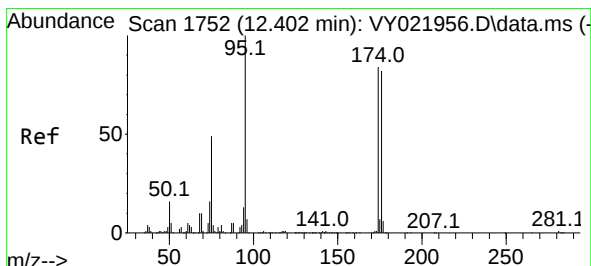
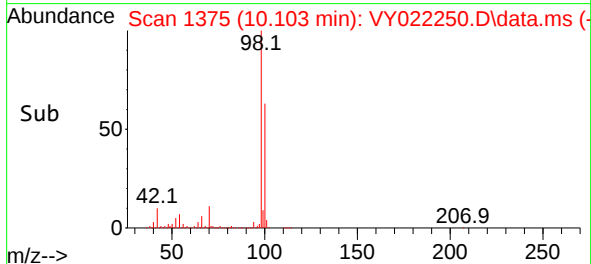
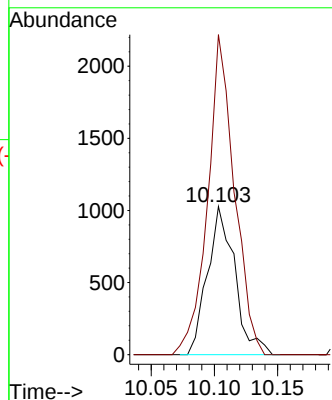
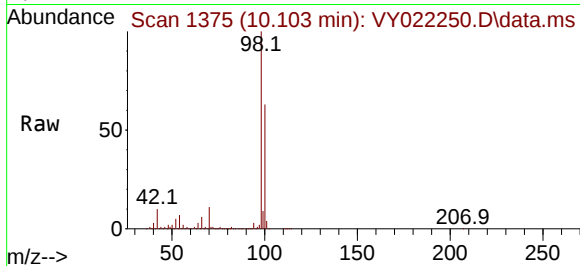




#51
4-Methyl-2-Pentanone
Concen: 1.264 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY022250.D
Acq: 13 May 2025 17:50

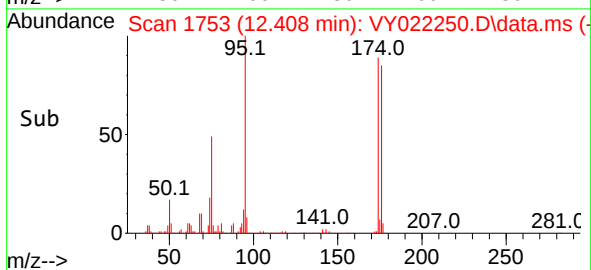
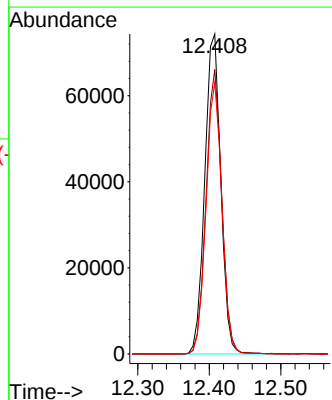
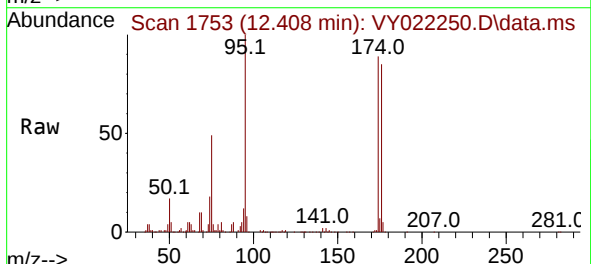
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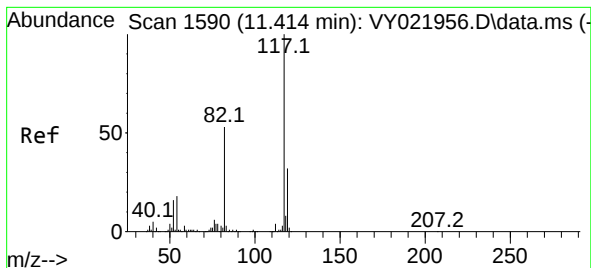
Tgt Ion: 43 Resp: 1545
Ion Ratio Lower Upper
43 100
58 210.9 36.6 55.0#



#62
4-Bromofluorobenzene
Concen: 36.184 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022250.D
Acq: 13 May 2025 17:50

Tgt Ion: 95 Resp: 115548
Ion Ratio Lower Upper
95 100
174 87.8 0.0 179.0
176 84.0 0.0 171.8

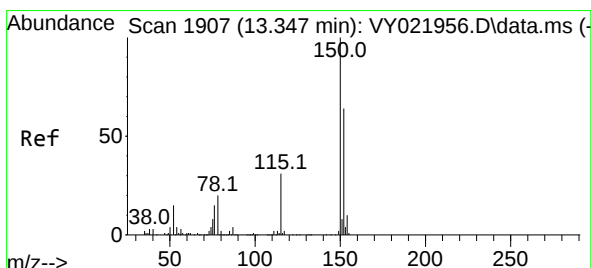
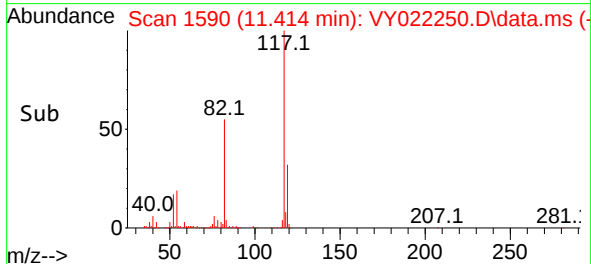
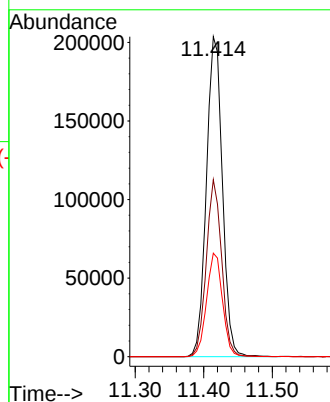
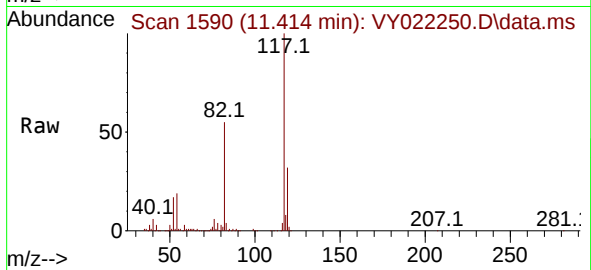




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY022250.D
Acq: 13 May 2025 17:50

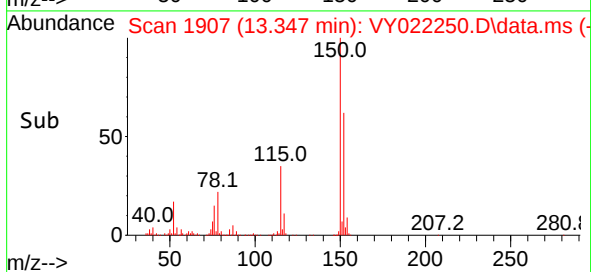
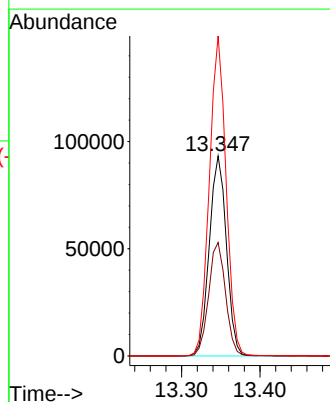
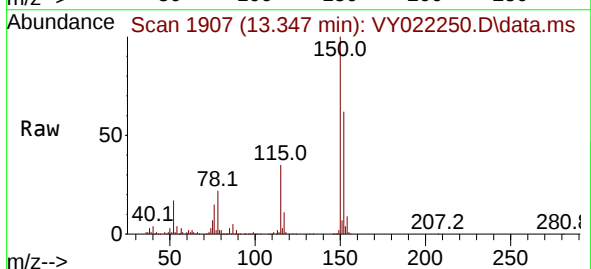
Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-15

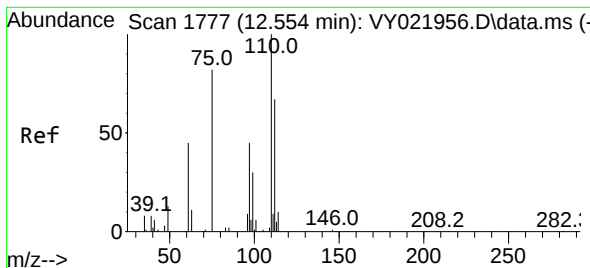
Tgt Ion:117 Resp: 331186
Ion Ratio Lower Upper
117 100
82 55.3 42.1 63.1
119 32.4 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022250.D
Acq: 13 May 2025 17:50

Tgt Ion:152 Resp: 141836
Ion Ratio Lower Upper
152 100
115 56.0 28.0 84.0
150 155.9 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 48.010 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY022250.D

Acq: 13 May 2025 17:50

Instrument :

MSVOA_Y

ClientSampleId :

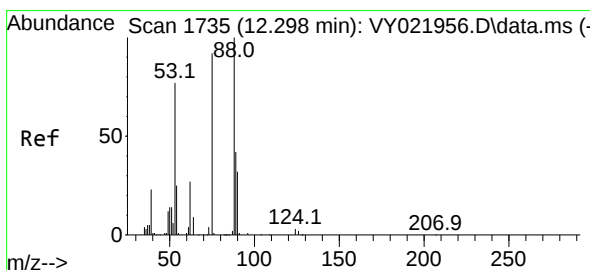
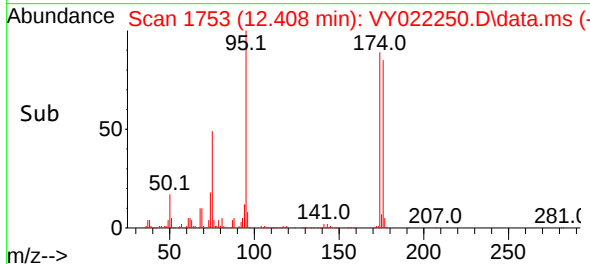
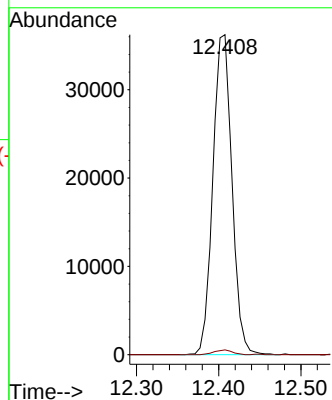
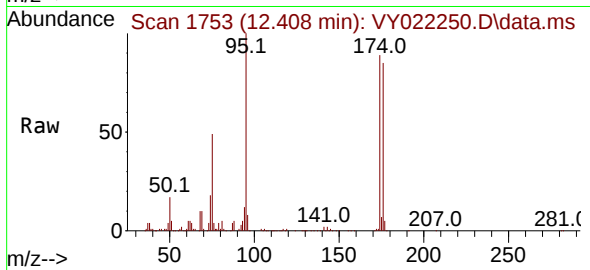
OR-636-VOC-15

Tgt Ion: 75 Resp: 58327

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 115.615 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.110 min

Lab File: VY022250.D

Acq: 13 May 2025 17:50

Tgt Ion: 75 Resp: 58327

Ion Ratio Lower Upper

75 100

53 0.3 66.0 99.0#

89 0.0 37.2 55.8#

