

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
 Data File : VY022216.D
 Acq On : 12 May 2025 12:02
 Operator : SY/MD
 Sample : Q1983-14
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-636-VOC-03

Quant Time: May 13 02:18:24 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)

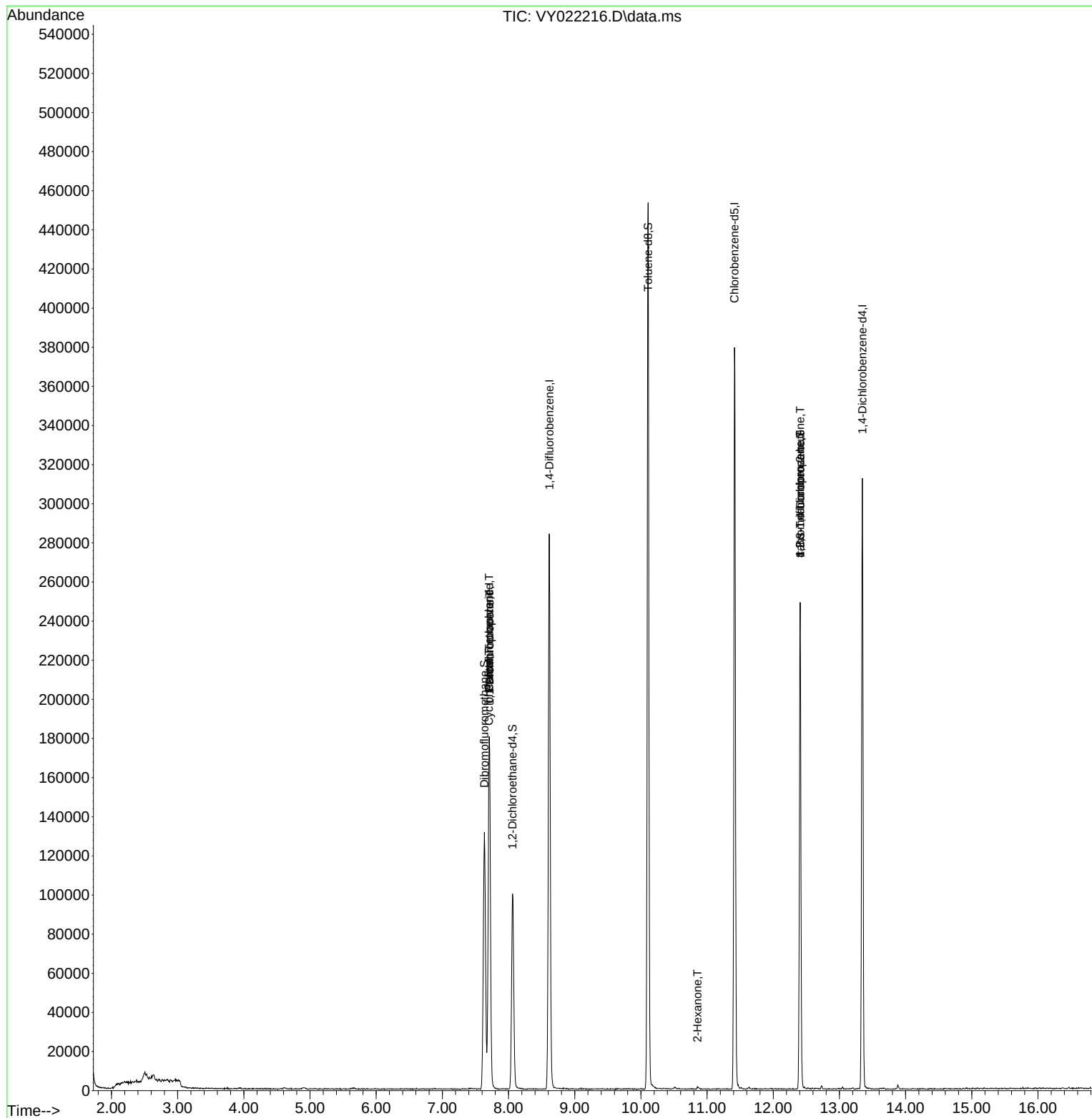
Internal Standards						
1) Pentafluorobenzene	7.707	168	142531	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	248448	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	213483	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	82030	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	80587	61.212	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.420%	
35) Dibromofluoromethane	7.634	113	93645	57.053	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.100%	
50) Toluene-d8	10.109	98	304121	49.147	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.300%	
62) 4-Bromofluorobenzene	12.408	95	75859	36.416	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 72.840%	
Target Compounds						Qvalue
16) Acetone	3.885	43	301	Below Cal	#	41
31) Cyclohexane	7.701	56	3037	1.395	ug/l #	7
36) 1,1-Dichloropropene	7.713	75	11400	5.171	ug/l #	48
38) Carbon Tetrachloride	7.707	117	13761	5.223	ug/l #	17
59) 2-Hexanone	10.853	43	863	1.641	ug/l #	18
76) 1,2,3-Trichloropropane	12.408	75	38380	54.624	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	38380	131.542	ug/l #	16

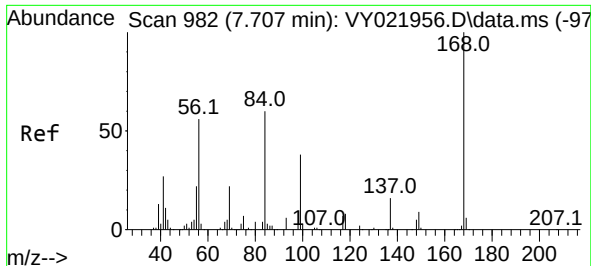
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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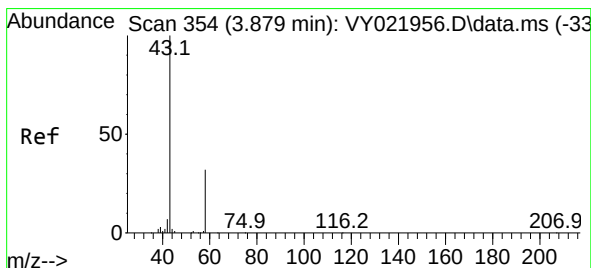
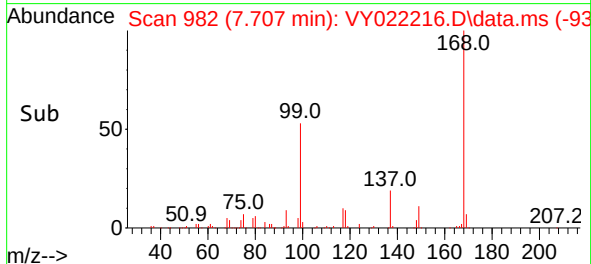
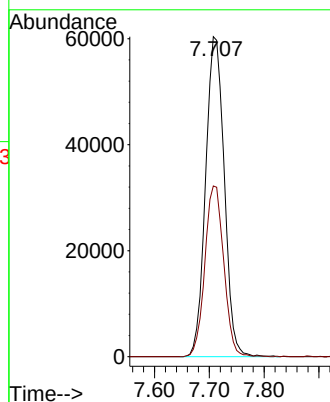
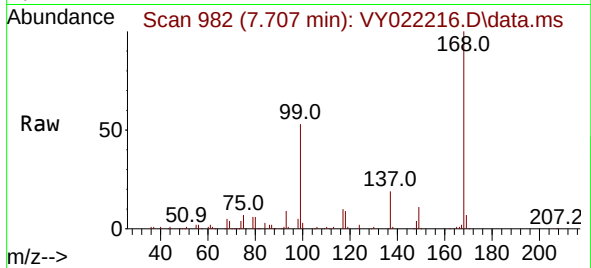




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022216.D
Acq: 12 May 2025 12:02

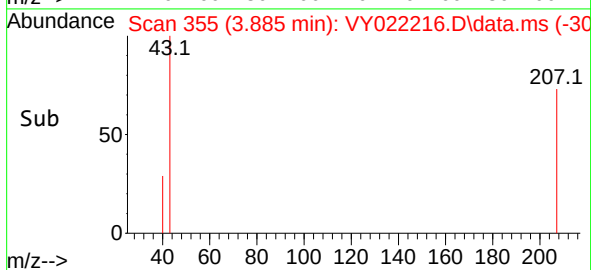
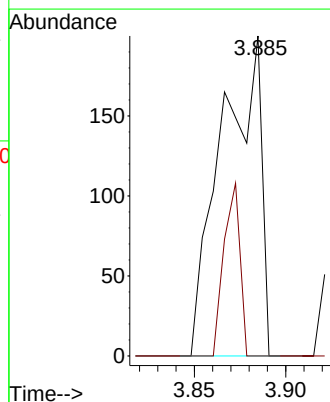
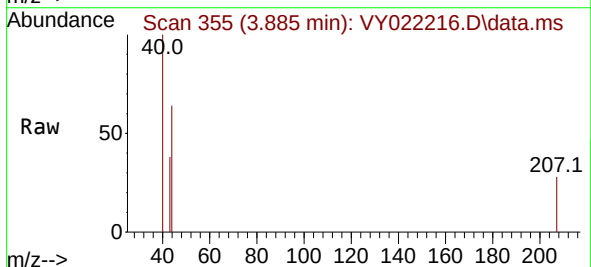
Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-03

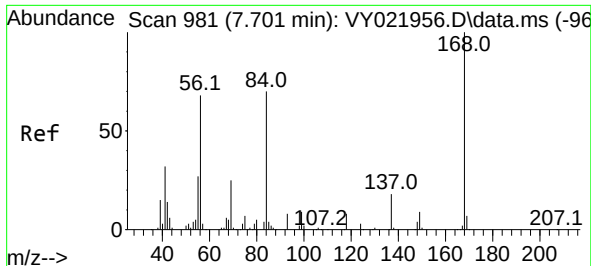
Tgt Ion:168 Resp: 142531
Ion Ratio Lower Upper
168 100
99 53.3 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY022216.D
Acq: 12 May 2025 12:02

Tgt Ion: 43 Resp: 301
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.4#

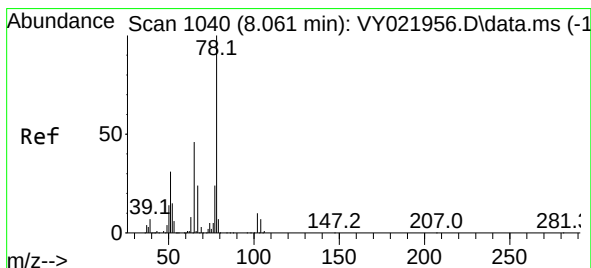
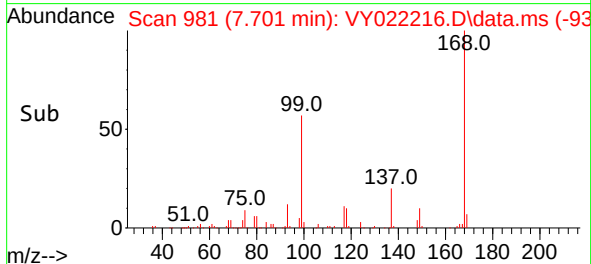
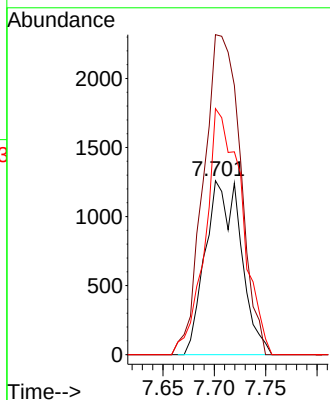
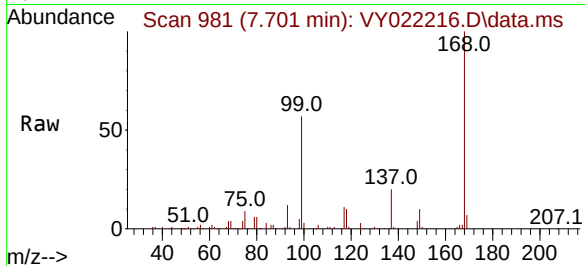




#31
Cyclohexane
Concen: 1.395 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY022216.D
Acq: 12 May 2025 12:02

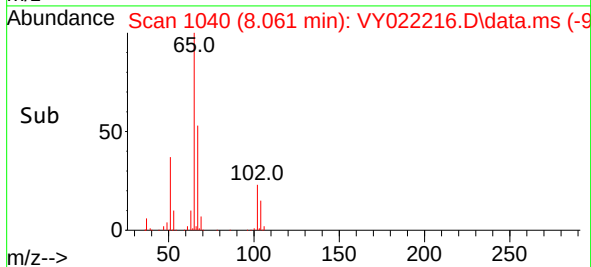
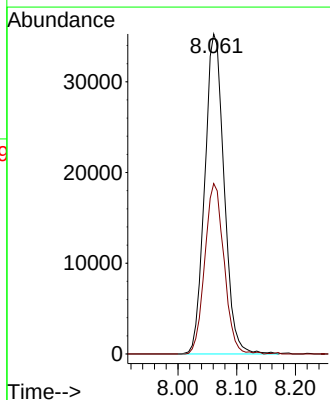
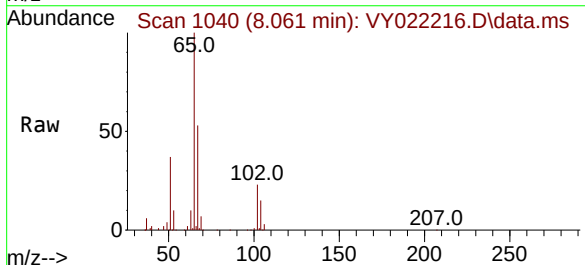
Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-03

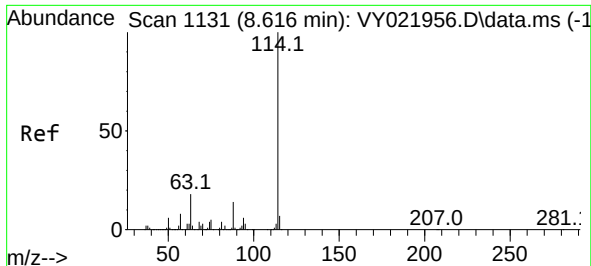
Tgt Ion: 56 Resp: 3037
Ion Ratio Lower Upper
56 100
69 184.0 29.4 44.2#
84 141.5 82.2 123.4#



#33
1,2-Dichloroethane-d4
Concen: 61.212 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022216.D
Acq: 12 May 2025 12:02

Tgt Ion: 65 Resp: 80587
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.8

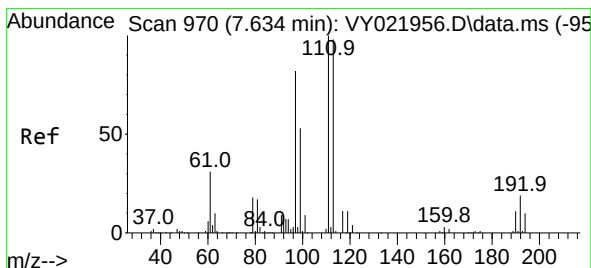
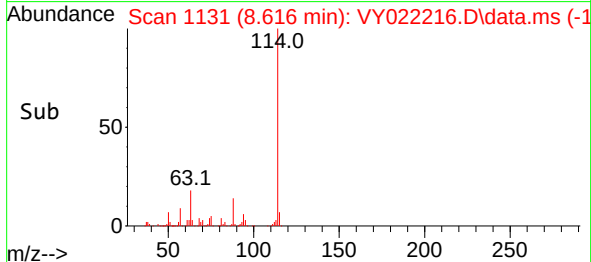
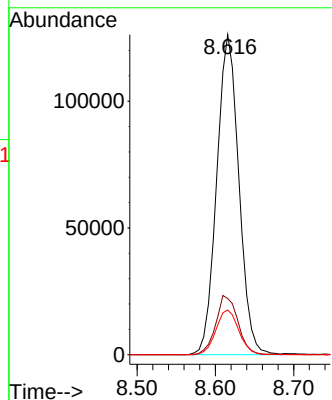
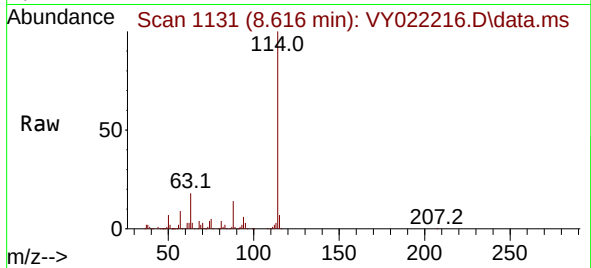




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022216.D
Acq: 12 May 2025 12:02

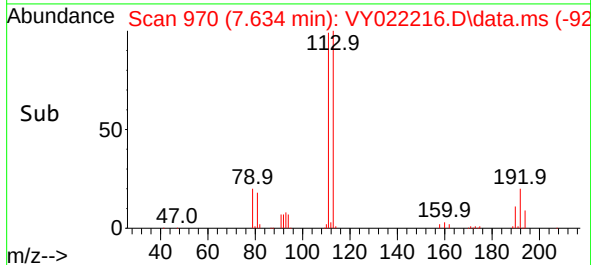
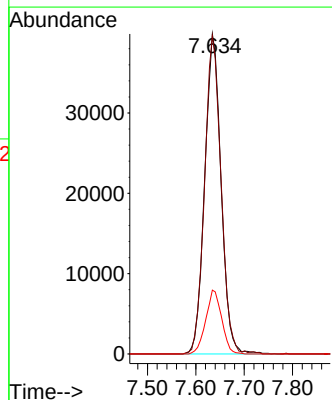
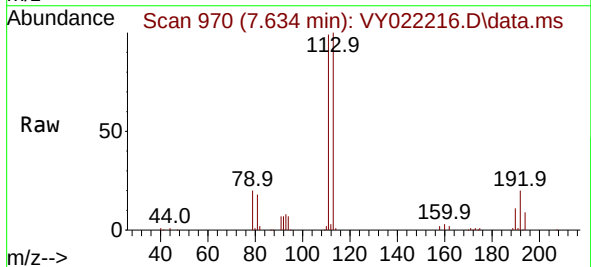
Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-03

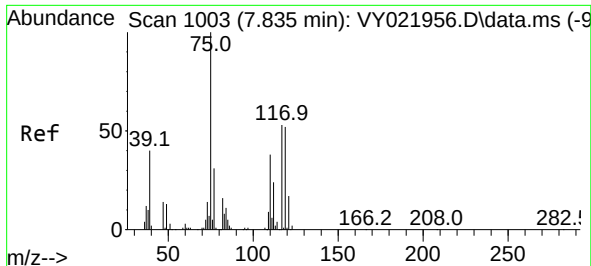
Tgt Ion:114 Resp: 248448
Ion Ratio Lower Upper
114 100
63 17.6 0.0 35.4
88 14.0 0.0 28.2



#35
Dibromofluoromethane
Concen: 57.053 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022216.D
Acq: 12 May 2025 12:02

Tgt Ion:113 Resp: 93645
Ion Ratio Lower Upper
113 100
111 100.0 81.8 122.8
192 19.4 15.6 23.4





#36

1,1-Dichloropropene

Concen: 5.171 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY022216.D

Acq: 12 May 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

OR-636-VOC-03

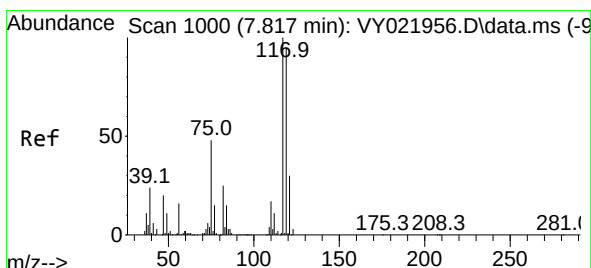
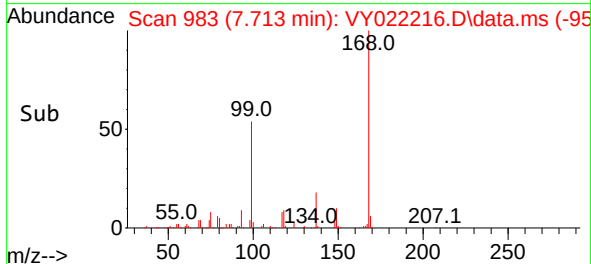
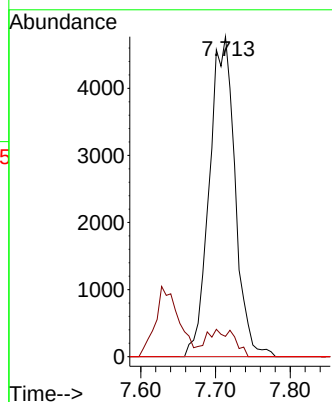
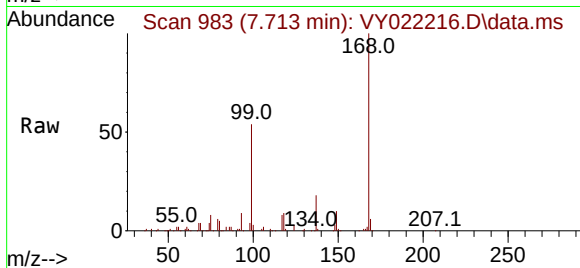
Tgt Ion: 75 Resp: 11400

Ion Ratio Lower Upper

75 100

110 9.1 19.1 57.3#

77 0.0 25.5 38.3#



#38

Carbon Tetrachloride

Concen: 5.223 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY022216.D

Acq: 12 May 2025 12:02

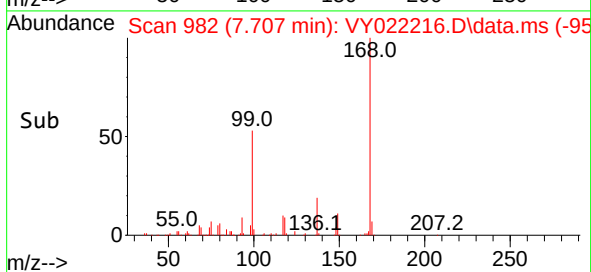
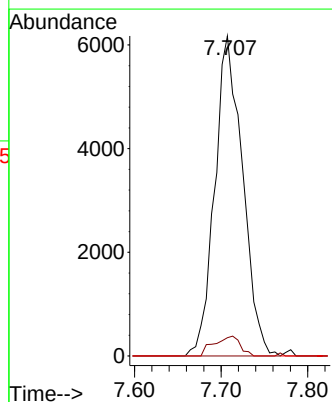
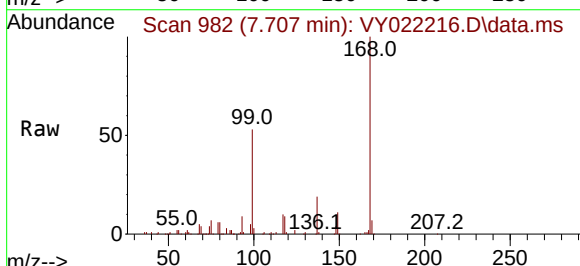
Tgt Ion: 117 Resp: 13761

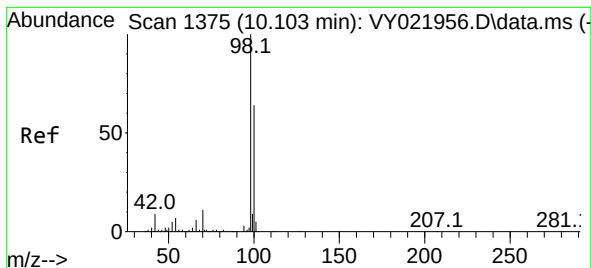
Ion Ratio Lower Upper

117 100

119 5.7 76.2 114.4#

121 0.0 24.0 36.0#

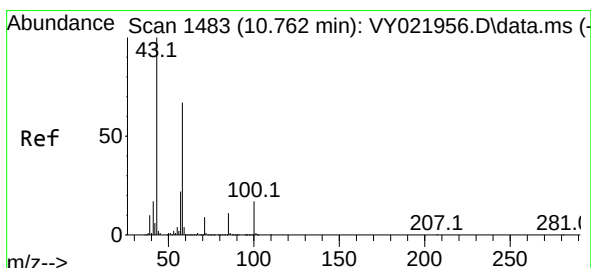
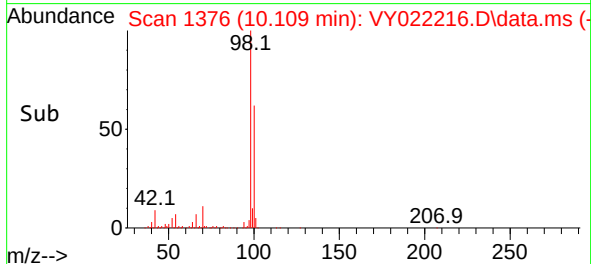
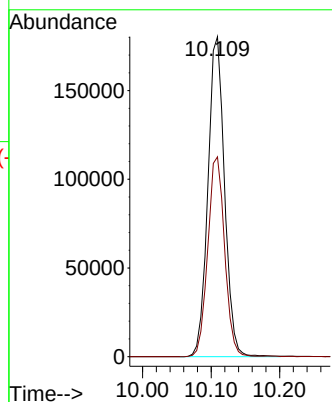
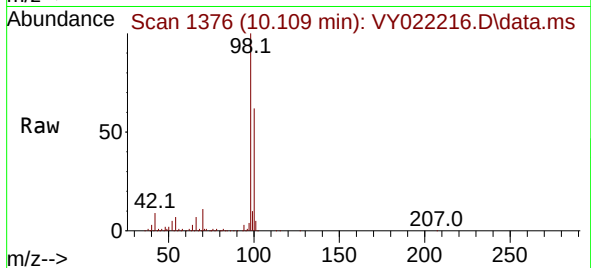




#50
Toluene-d8
Concen: 49.147 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022216.D
Acq: 12 May 2025 12:02

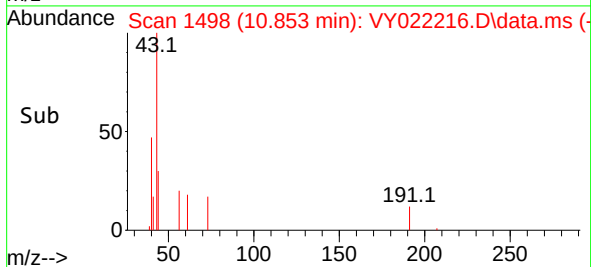
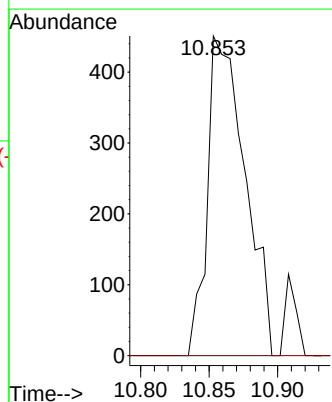
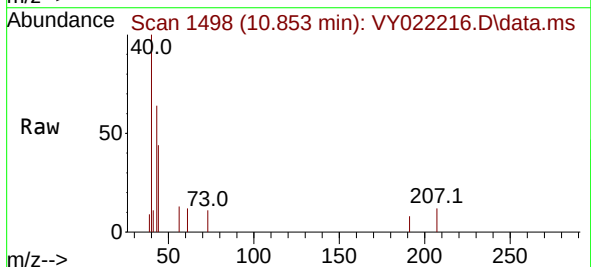
Instrument :
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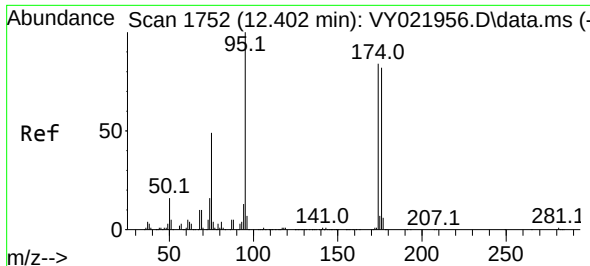
Tgt Ion: 98 Resp: 304121
Ion Ratio Lower Upper
98 100
100 63.3 51.6 77.4



#59
2-Hexanone
Concen: 1.641 ug/l
RT: 10.853 min Scan# 1498
Delta R.T. 0.091 min
Lab File: VY022216.D
Acq: 12 May 2025 12:02

Tgt Ion: 43 Resp: 863
Ion Ratio Lower Upper
43 100
58 0.0 32.0 96.0#

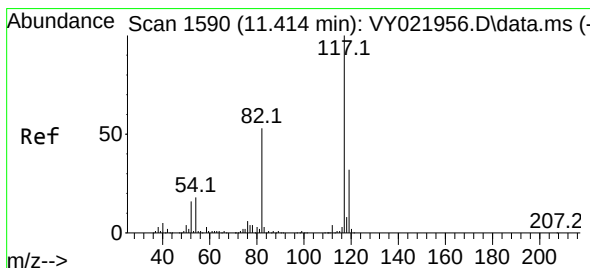
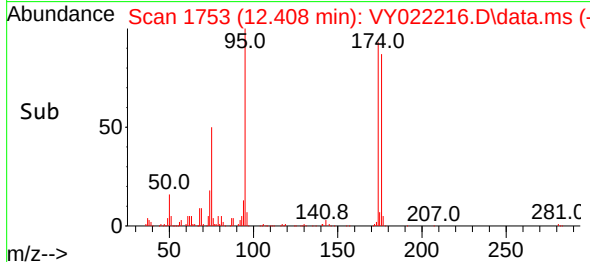
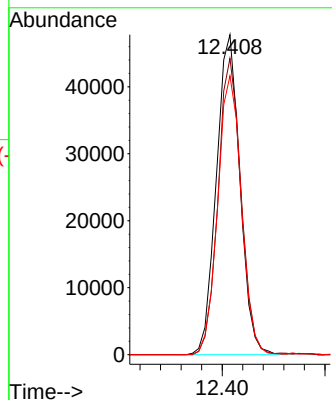
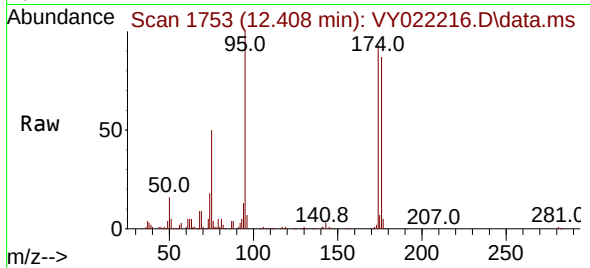




#62
4-Bromofluorobenzene
Concen: 36.416 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022216.D
Acq: 12 May 2025 12:02

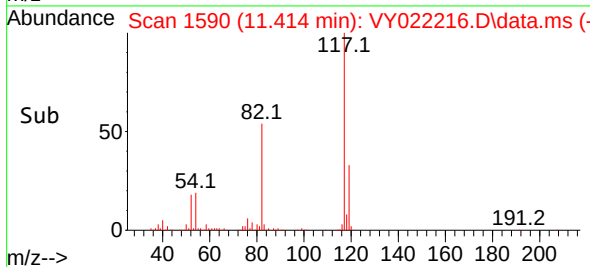
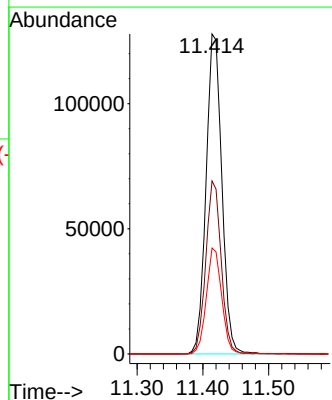
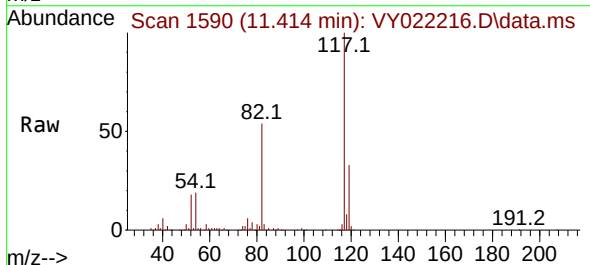
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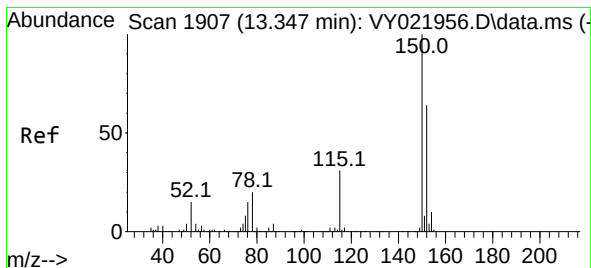
Tgt Ion: 95 Resp: 75859
Ion Ratio Lower Upper
95 100
174 91.0 0.0 179.0
176 87.5 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022216.D
Acq: 12 May 2025 12:02

Tgt Ion: 117 Resp: 213483
Ion Ratio Lower Upper
117 100
82 54.1 42.1 63.1
119 33.1 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: VY022216.D

Acq: 12 May 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

OR-636-VOC-03

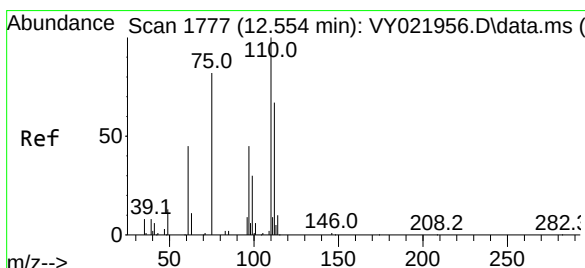
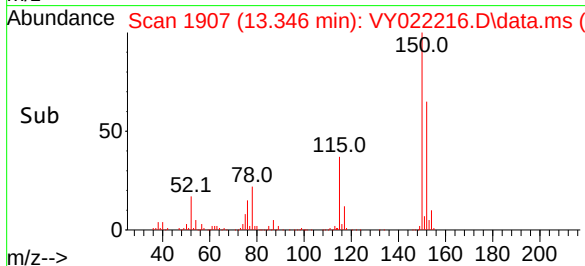
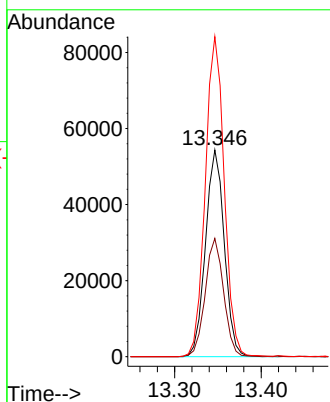
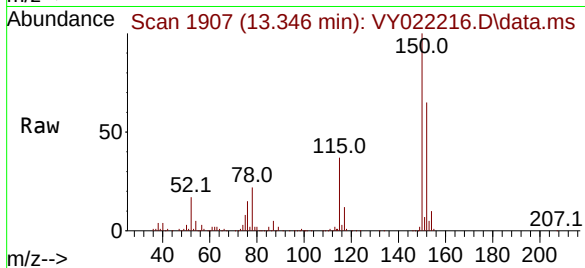
Tgt Ion:152 Resp: 82030

Ion Ratio Lower Upper

152 100

115 56.1 28.0 84.0

150 155.7 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 54.624 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY022216.D

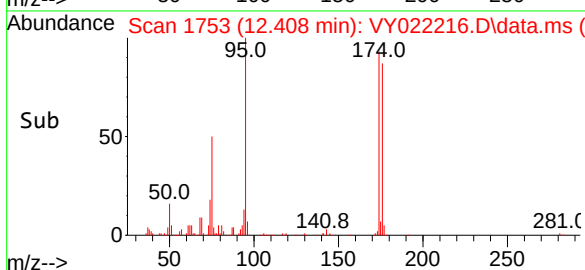
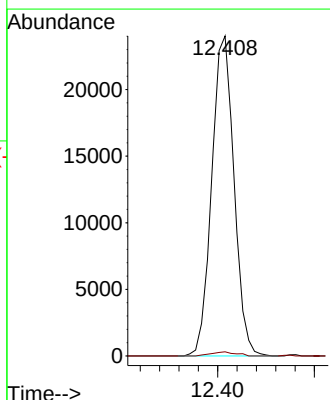
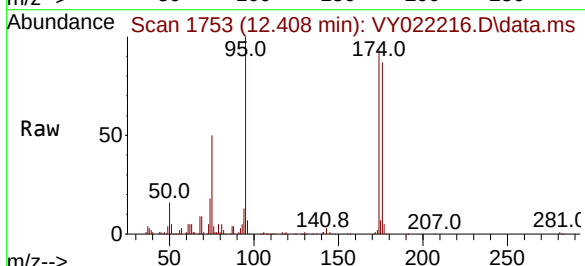
Acq: 12 May 2025 12:02

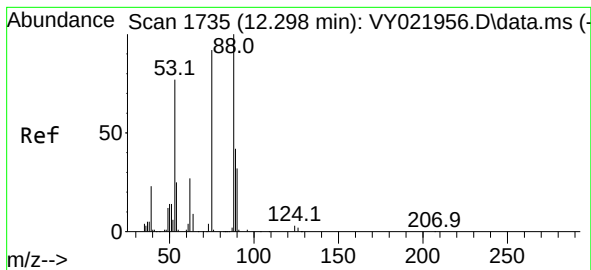
Tgt Ion: 75 Resp: 38380

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 131.542 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY022216.D
 Acq: 12 May 2025 12:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-636-VOC-03

Tgt Ion: 75 Resp: 38380
 Ion Ratio Lower Upper
 75 100
 53 0.5 66.0 99.0#
 89 0.1 37.2 55.8#

