

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
 Data File : VY022219.D
 Acq On : 12 May 2025 13:10
 Operator : SY/MD
 Sample : Q1983-32
 Misc : 4.37g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-636-VOC-06

Quant Time: May 13 02:19:30 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	142423	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	241404	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	208997	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	81628	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	79169	60.180	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.360%	
35) Dibromofluoromethane	7.634	113	91900	57.623	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 115.240%	
50) Toluene-d8	10.109	98	313117	52.077	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.160%	
62) 4-Bromofluorobenzene	12.408	95	79818	39.434	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 78.860%	
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	247	Below Cal	#	41
31) Cyclohexane	7.713	56	2793	1.284	ug/l #	7
36) 1,1-Dichloropropene	7.713	75	11213	5.234	ug/l #	48
38) Carbon Tetrachloride	7.707	117	13990	5.465	ug/l #	17
51) 4-Methyl-2-Pentanone	10.103	43	1264	1.632	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	39015	55.801	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	39015	134.377	ug/l #	16

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

Quant Time: May 13 02:19:30 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

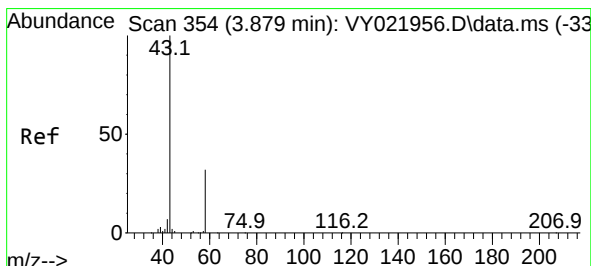
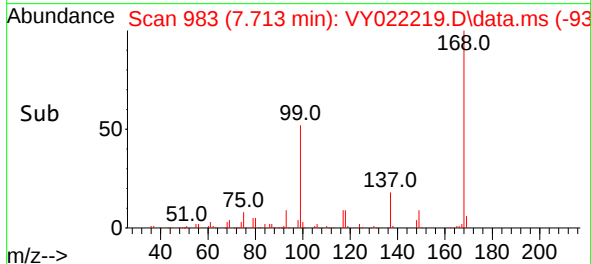
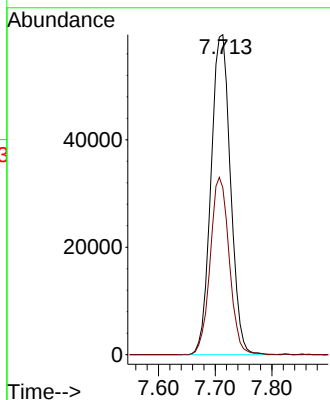
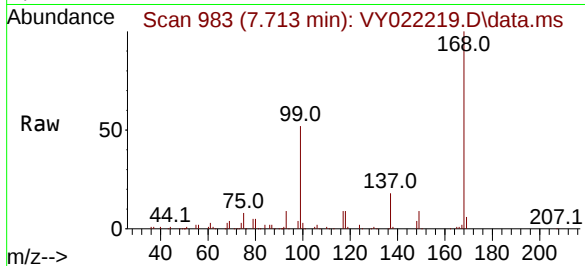




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022219.D
Acq: 12 May 2025 13:10

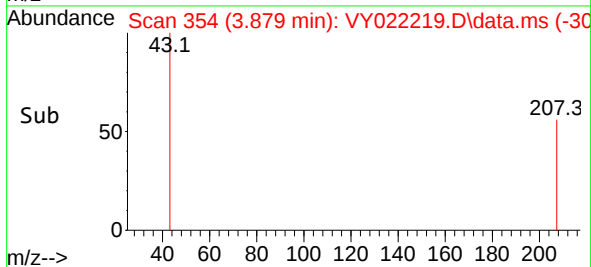
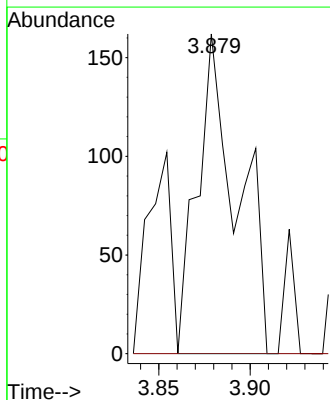
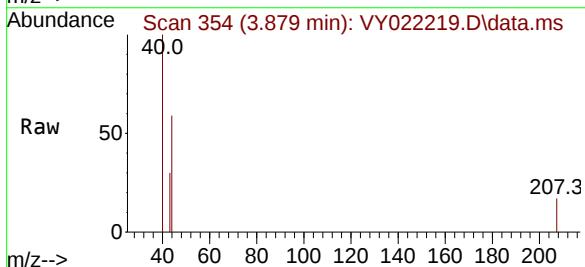
Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-06

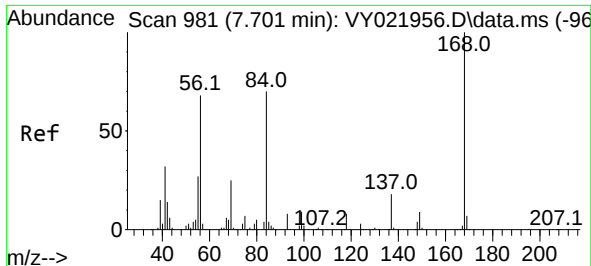
Tgt Ion:168 Resp: 142423
Ion Ratio Lower Upper
168 100
99 52.2 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022219.D
Acq: 12 May 2025 13:10

Tgt Ion: 43 Resp: 247
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.4#

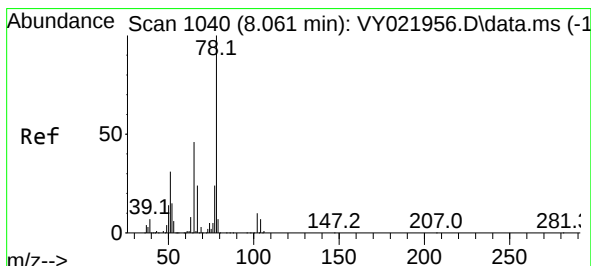
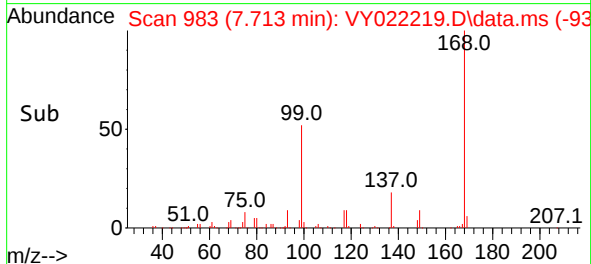
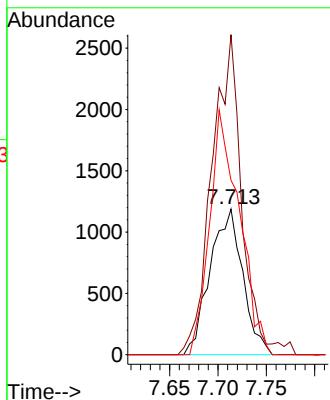
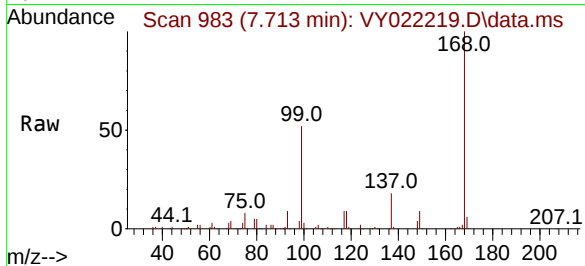




#31
Cyclohexane
Concen: 1.284 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY022219.D
Acq: 12 May 2025 13:10

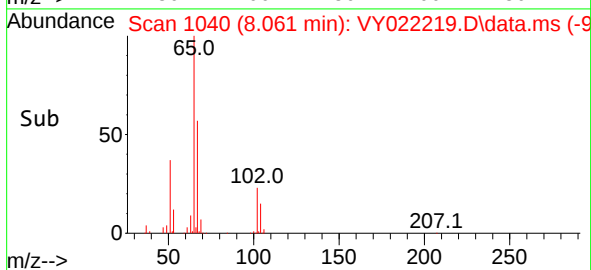
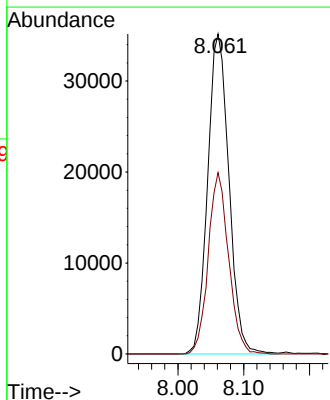
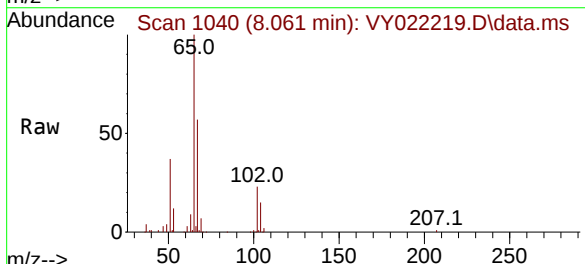
Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-06

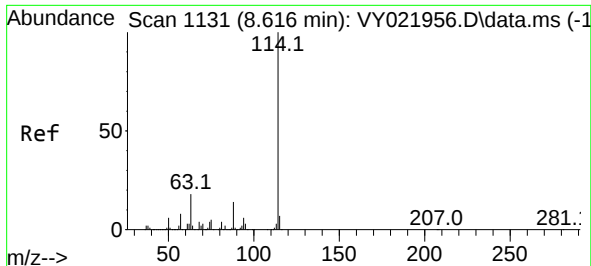
Tgt Ion: 56 Resp: 2793
Ion Ratio Lower Upper
56 100
69 219.7 29.4 44.2#
84 119.8 82.2 123.4



#33
1,2-Dichloroethane-d4
Concen: 60.180 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022219.D
Acq: 12 May 2025 13:10

Tgt Ion: 65 Resp: 79169
Ion Ratio Lower Upper
65 100
67 54.2 0.0 105.8

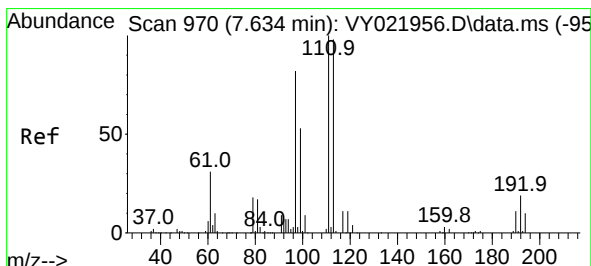
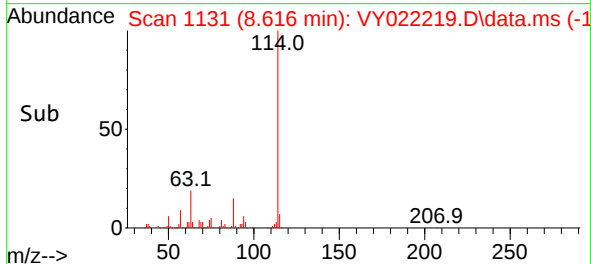
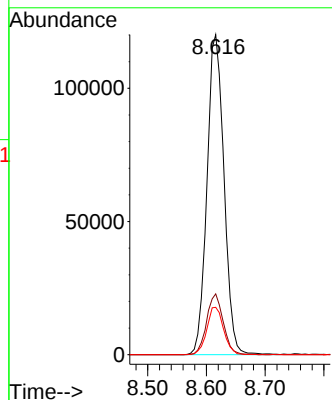
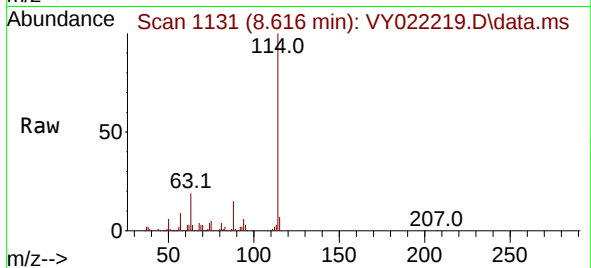




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022219.D
Acq: 12 May 2025 13:10

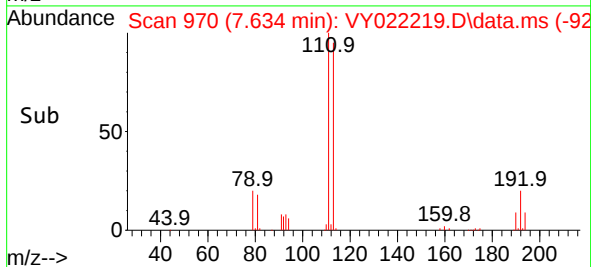
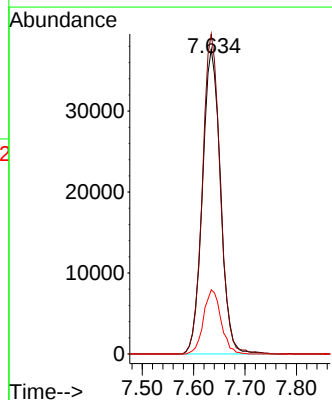
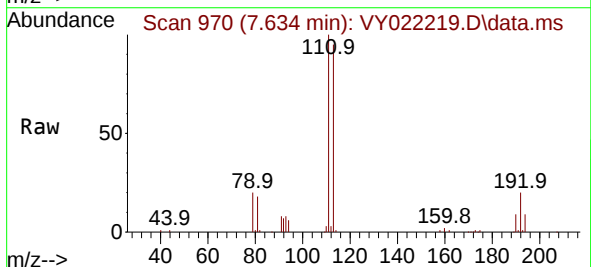
Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-06

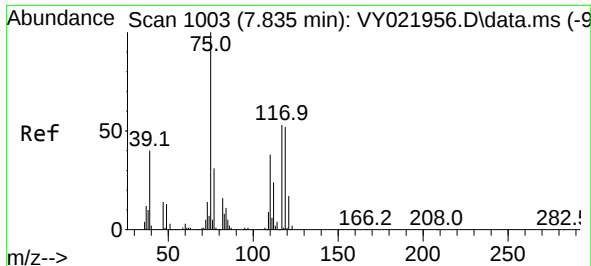
Tgt Ion:114 Resp: 241404
Ion Ratio Lower Upper
114 100
63 19.0 0.0 35.4
88 14.8 0.0 28.2



#35
Dibromofluoromethane
Concen: 57.623 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY022219.D
Acq: 12 May 2025 13:10

Tgt Ion:113 Resp: 91900
Ion Ratio Lower Upper
113 100
111 102.6 81.8 122.8
192 20.4 15.6 23.4





#36

1,1-Dichloropropene

Concen: 5.234 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY022219.D

Acq: 12 May 2025 13:10

Instrument :

MSVOA_Y

ClientSampleId :

OR-636-VOC-06

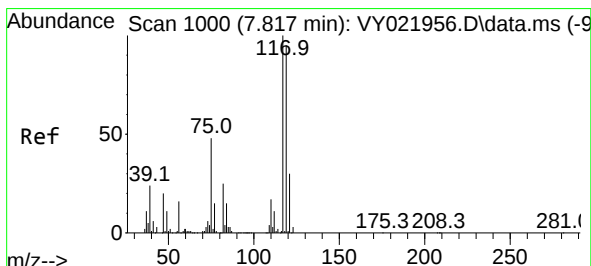
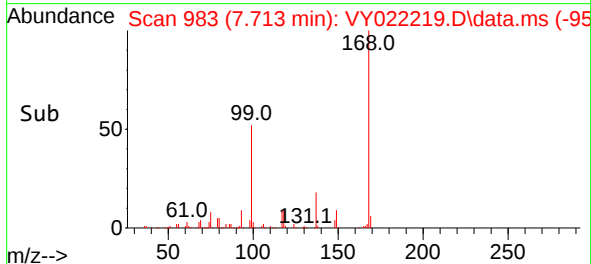
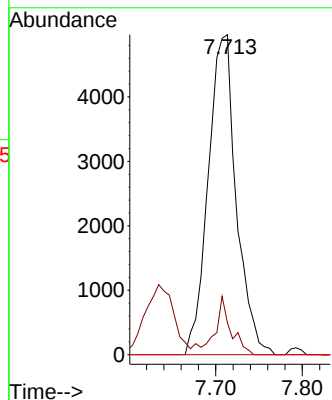
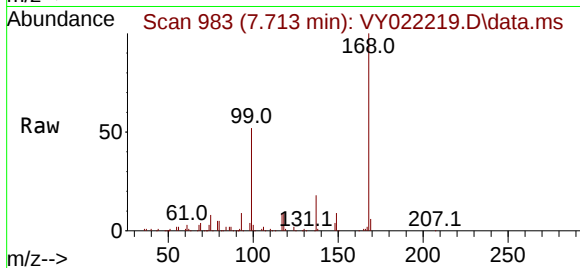
Tgt Ion: 75 Resp: 11213

Ion Ratio Lower Upper

75 100

110 9.7 19.1 57.3#

77 0.0 25.5 38.3#



#38

Carbon Tetrachloride

Concen: 5.465 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY022219.D

Acq: 12 May 2025 13:10

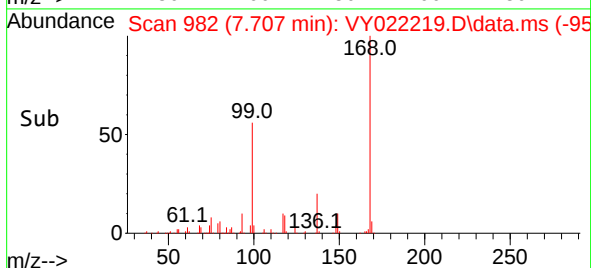
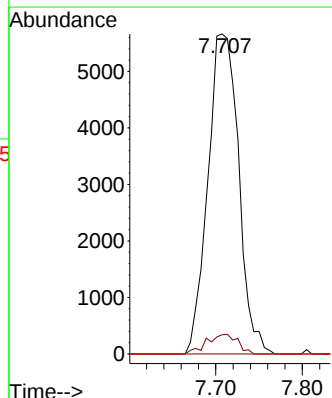
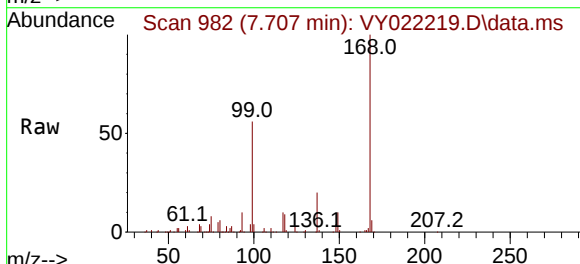
Tgt Ion: 117 Resp: 13990

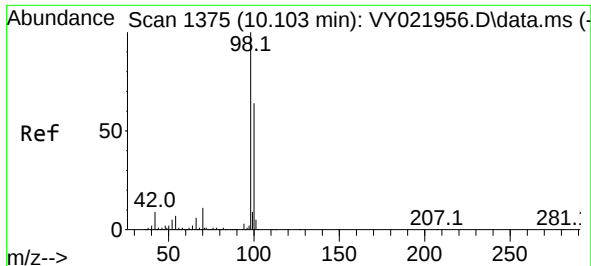
Ion Ratio Lower Upper

117 100

119 6.0 76.2 114.4#

121 0.0 24.0 36.0#

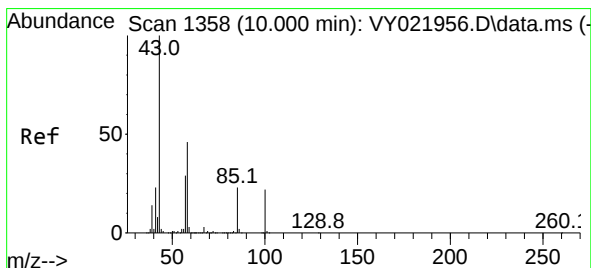
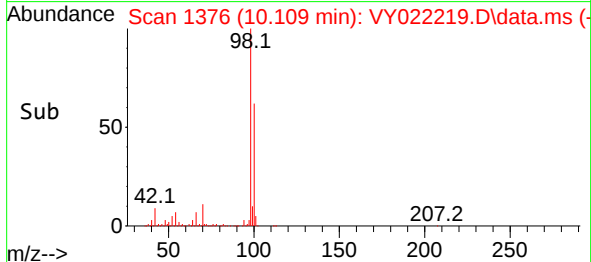
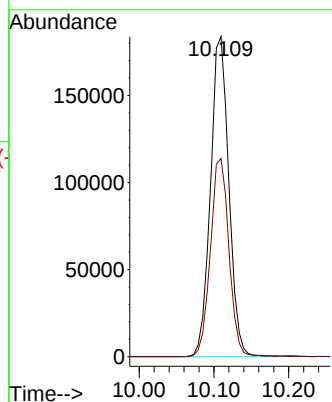
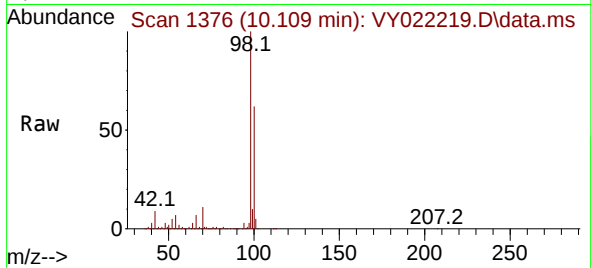




#50
Toluene-d8
Concen: 52.077 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022219.D
Acq: 12 May 2025 13:10

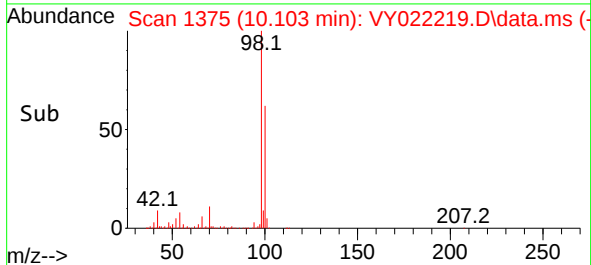
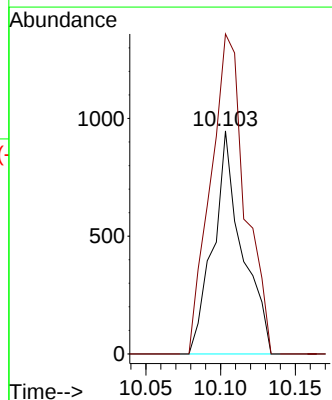
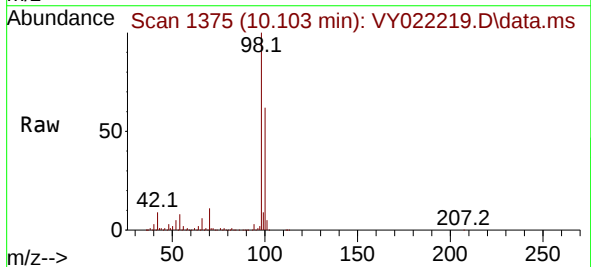
Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-06

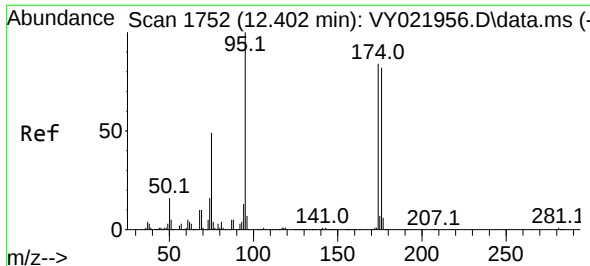
Tgt Ion: 98 Resp: 313117
Ion Ratio Lower Upper
98 100
100 62.6 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.632 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.104 min
Lab File: VY022219.D
Acq: 12 May 2025 13:10

Tgt Ion: 43 Resp: 1264
Ion Ratio Lower Upper
43 100
58 173.0 36.6 55.0#

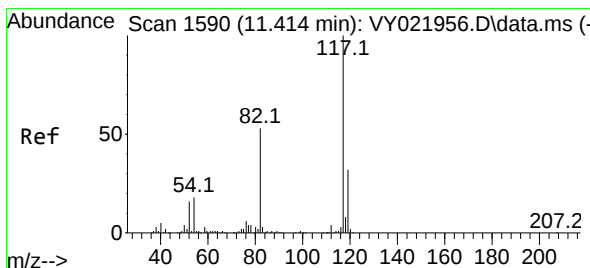
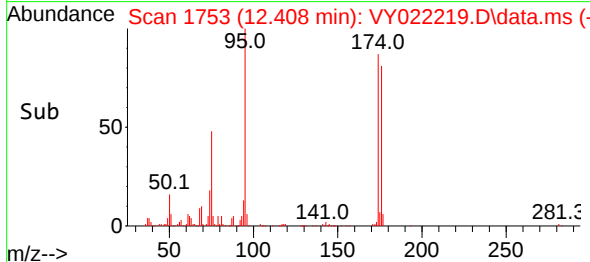
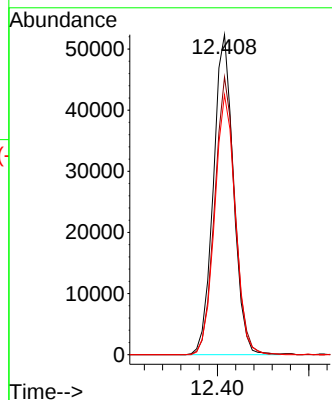
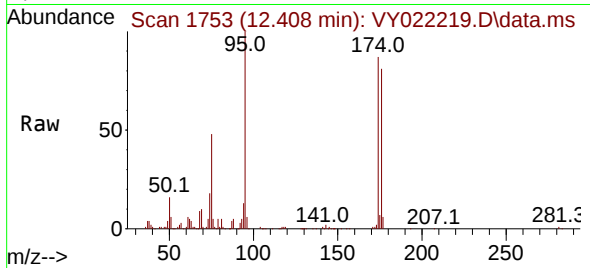




#62
4-Bromofluorobenzene
Concen: 39.434 ug/l
RT: 12.408 min Scan# 1752
Delta R.T. 0.006 min
Lab File: VY022219.D
Acq: 12 May 2025 13:10

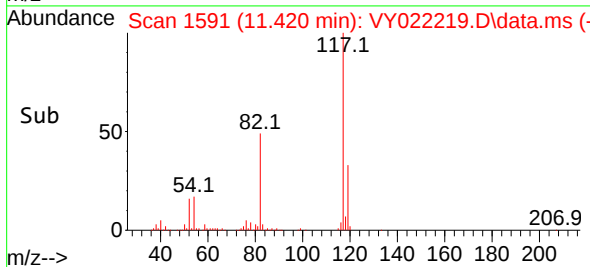
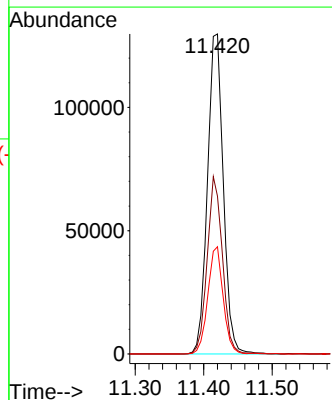
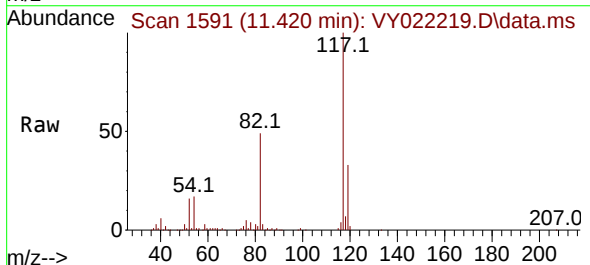
Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-06

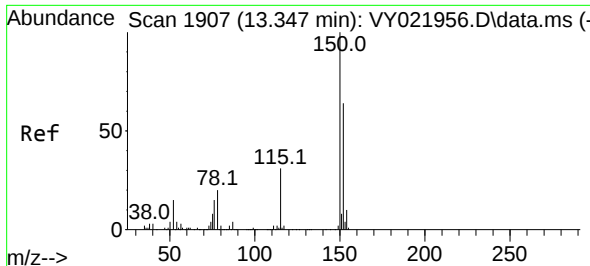
Tgt Ion: 95 Resp: 79818
Ion Ratio Lower Upper
95 100
174 88.3 0.0 179.0
176 83.8 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY022219.D
Acq: 12 May 2025 13:10

Tgt Ion: 117 Resp: 208997
Ion Ratio Lower Upper
117 100
82 49.3 42.1 63.1
119 33.5 25.7 38.5

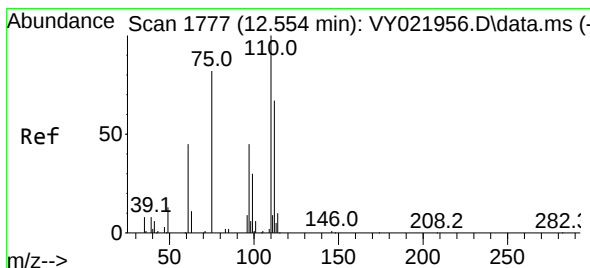
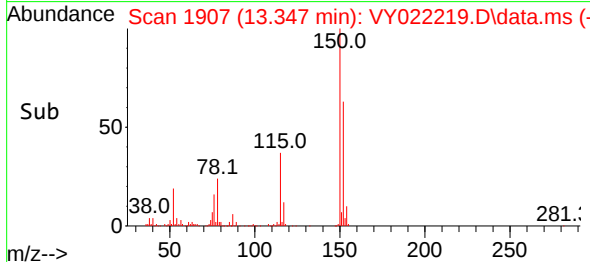
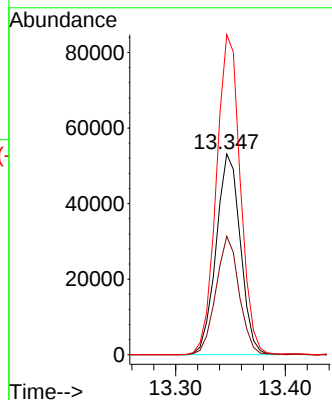
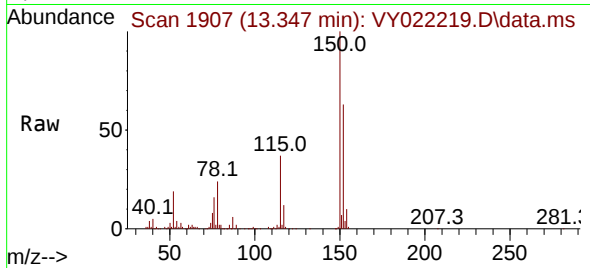




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY022219.D
 Acq: 12 May 2025 13:10

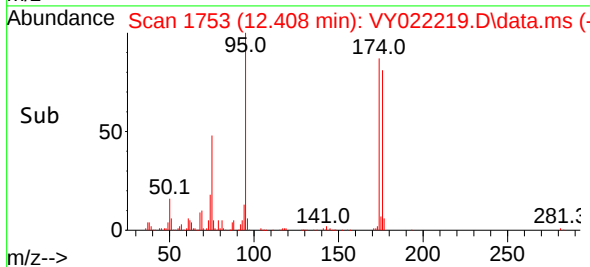
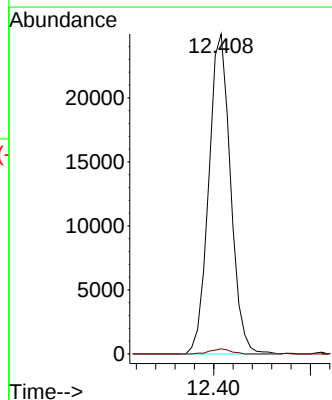
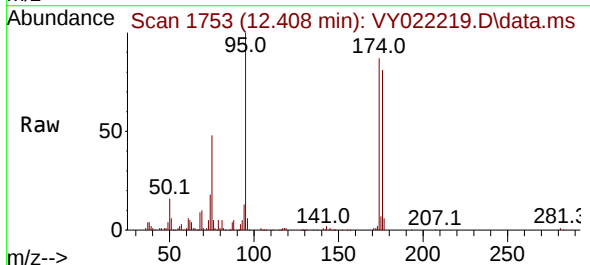
Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-636-VOC-06

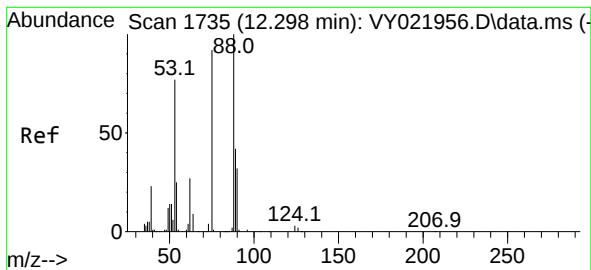
Tgt Ion:152 Resp: 81628
 Ion Ratio Lower Upper
 152 100
 115 56.6 28.0 84.0
 150 158.0 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 55.801 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY022219.D
 Acq: 12 May 2025 13:10

Tgt Ion: 75 Resp: 39015
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 134.377 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY022219.D
 Acq: 12 May 2025 13:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-636-VOC-06

Tgt Ion: 75 Resp: 39015
 Ion Ratio Lower Upper
 75 100
 53 0.2 66.0 99.0#
 89 0.0 37.2 55.8#

