

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
 Data File : VY022222.D
 Acq On : 12 May 2025 14:17
 Operator : SY/MD
 Sample : Q1983-50
 Misc : 5.69g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-636-VOC-09

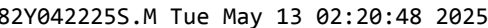
Quant Time: May 13 02:20:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

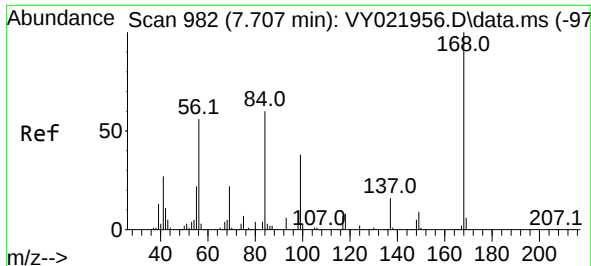
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	140769	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	247019	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	220917	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	88843	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	85469	65.732	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 131.460%	
35) Dibromofluoromethane	7.634	113	91054	55.795	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.580%	
50) Toluene-d8	10.109	98	293855	47.763	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 95.520%	
62) 4-Bromofluorobenzene	12.408	95	81143	39.178	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 78.360%	
Target Compounds						Qvalue
16) Acetone	3.867	43	299	Below Cal	#	41
31) Cyclohexane	7.701	56	3027	1.408	ug/l #	20
36) 1,1-Dichloropropene	7.707	75	10500	4.790	ug/l #	49
38) Carbon Tetrachloride	7.713	117	14037	5.359	ug/l #	17
59) 2-Hexanone	10.865	43	775	1.482	ug/l #	18
76) 1,2,3-Trichloropropane	12.402	75	39420	51.801	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	39420	124.745	ug/l #	16

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

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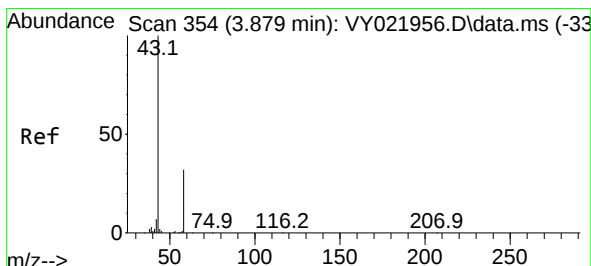
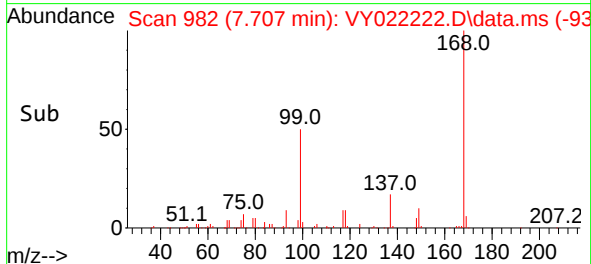
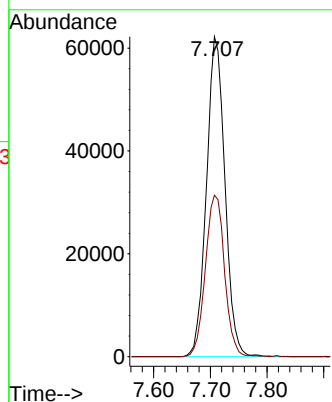
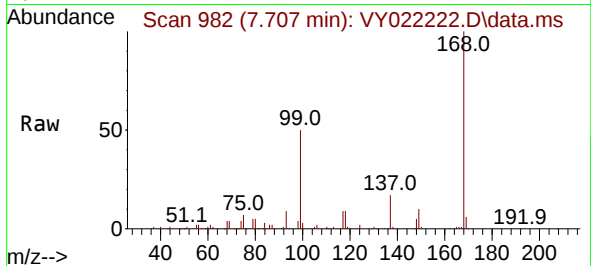




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022222.D
Acq: 12 May 2025 14:17

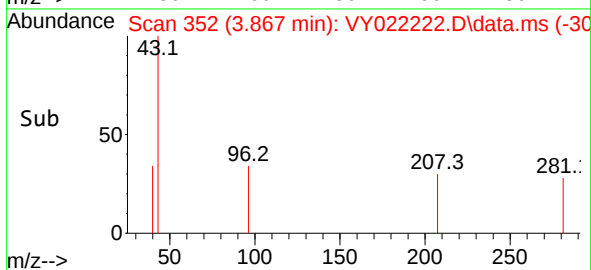
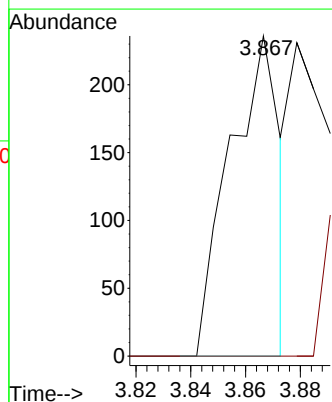
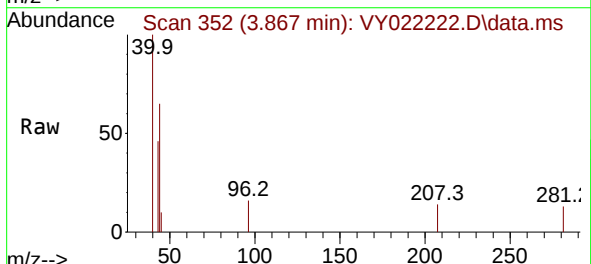
Instrument :
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ClientSampleId :
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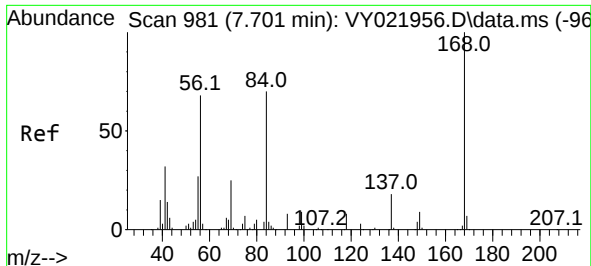
Tgt Ion:168 Resp: 140769
Ion Ratio Lower Upper
168 100
99 50.5 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.867 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022222.D
Acq: 12 May 2025 14:17

Tgt Ion: 43 Resp: 299
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.4#

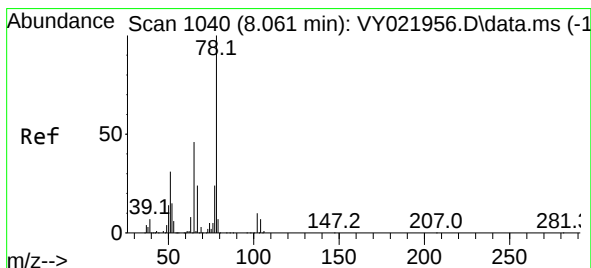
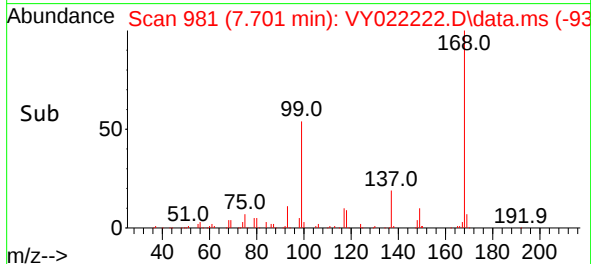
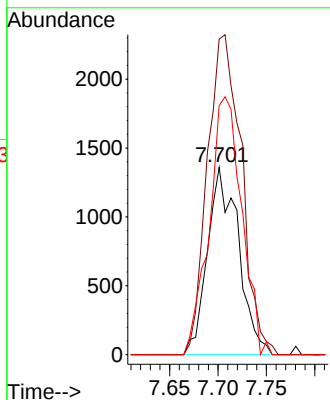
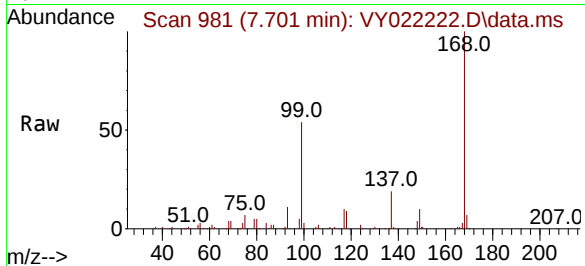




#31
Cyclohexane
Concen: 1.408 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY022222.D
Acq: 12 May 2025 14:17

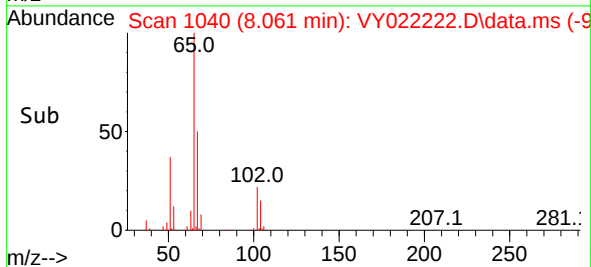
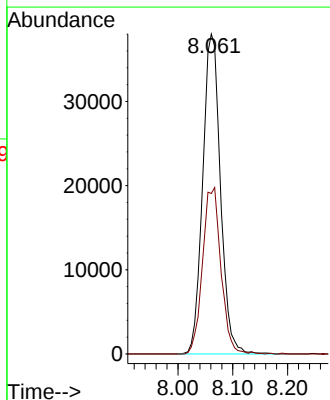
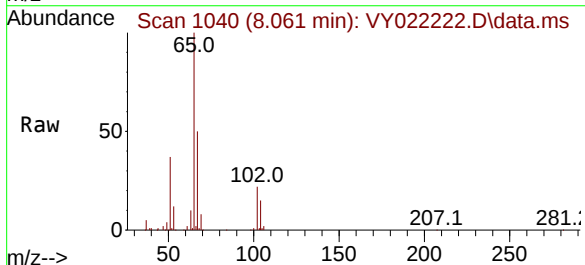
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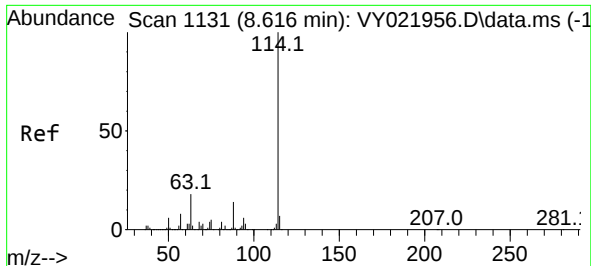
Tgt Ion: 56 Resp: 3027
Ion Ratio Lower Upper
56 100
69 168.5 29.4 44.2#
84 133.0 82.2 123.4#



#33
1,2-Dichloroethane-d4
Concen: 65.732 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022222.D
Acq: 12 May 2025 14:17

Tgt Ion: 65 Resp: 85469
Ion Ratio Lower Upper
65 100
67 53.6 0.0 105.8

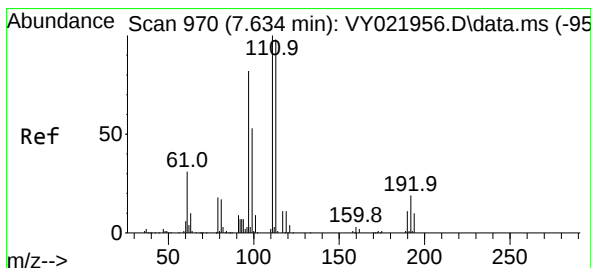
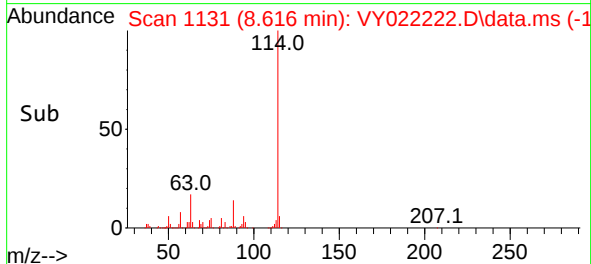
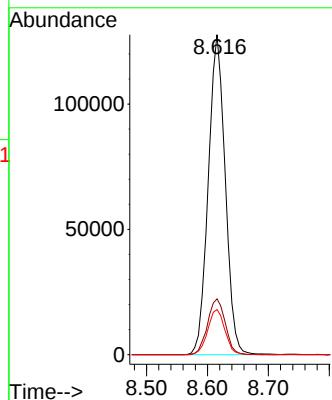
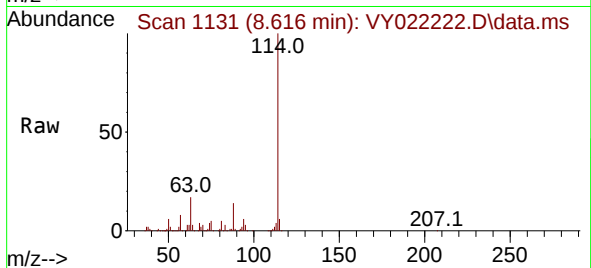




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022222.D
Acq: 12 May 2025 14:17

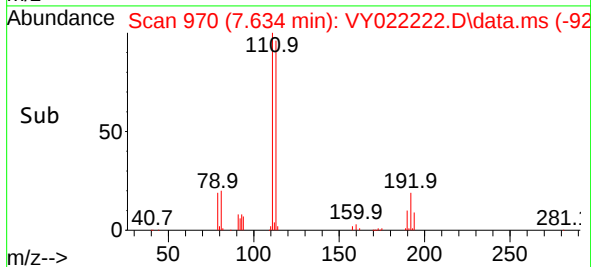
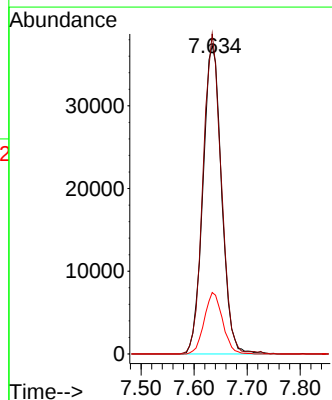
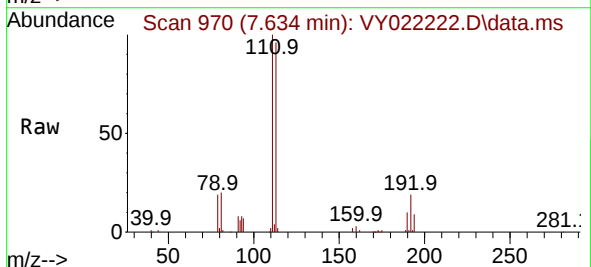
Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-09

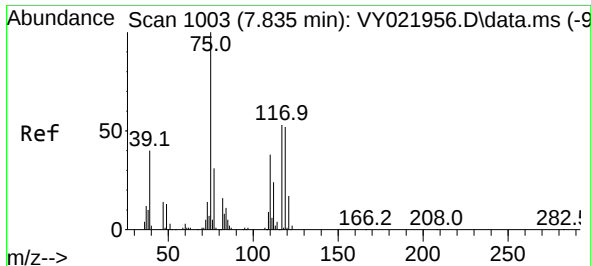
Tgt Ion:114 Resp: 247019
Ion Ratio Lower Upper
114 100
63 17.5 0.0 35.4
88 14.1 0.0 28.2



#35
Dibromofluoromethane
Concen: 55.795 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY022222.D
Acq: 12 May 2025 14:17

Tgt Ion:113 Resp: 91054
Ion Ratio Lower Upper
113 100
111 101.6 81.8 122.8
192 19.6 15.6 23.4





#36

1,1-Dichloropropene

Concen: 4.790 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY022222.D

Acq: 12 May 2025 14:17

Instrument :

MSVOA_Y

ClientSampleId :

OR-636-VOC-09

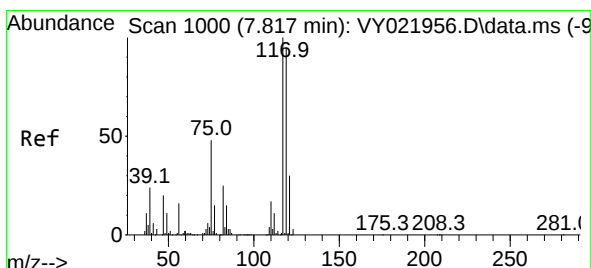
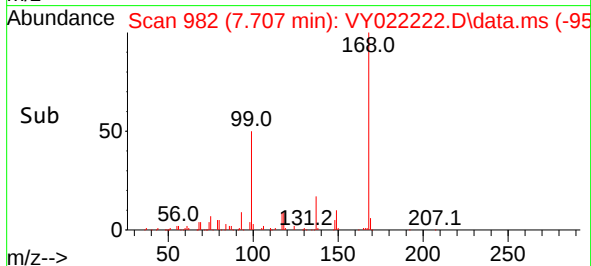
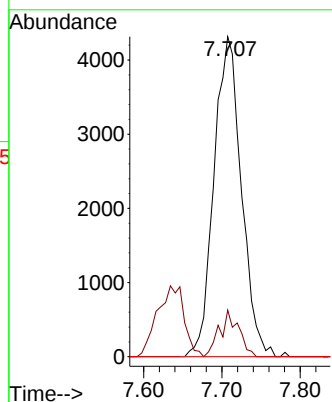
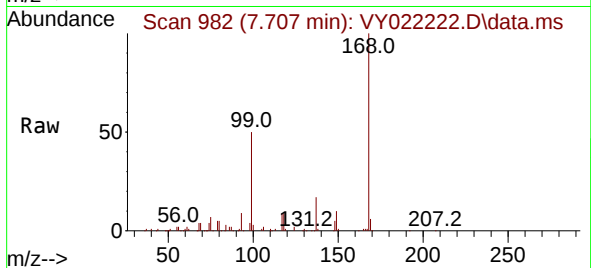
Tgt Ion: 75 Resp: 10500

Ion Ratio Lower Upper

75 100

110 10.1 19.1 57.3#

77 0.0 25.5 38.3#



#38

Carbon Tetrachloride

Concen: 5.359 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY022222.D

Acq: 12 May 2025 14:17

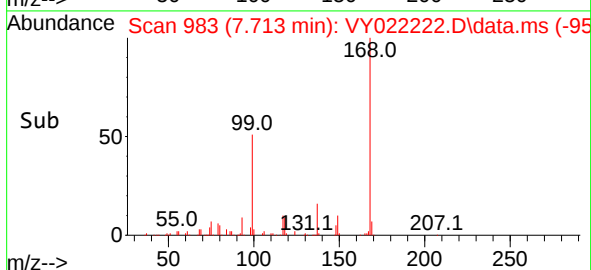
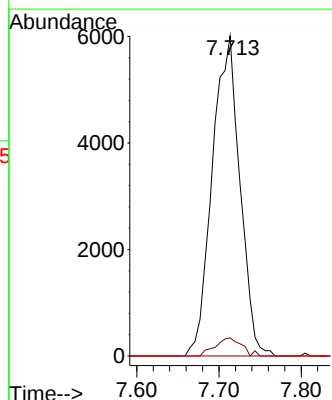
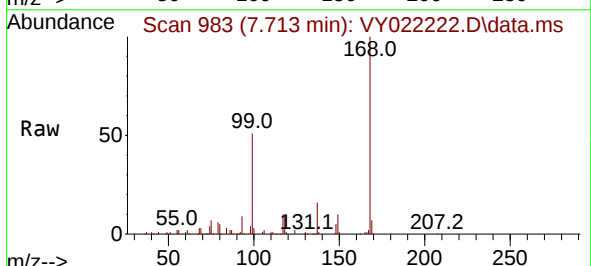
Tgt Ion: 117 Resp: 14037

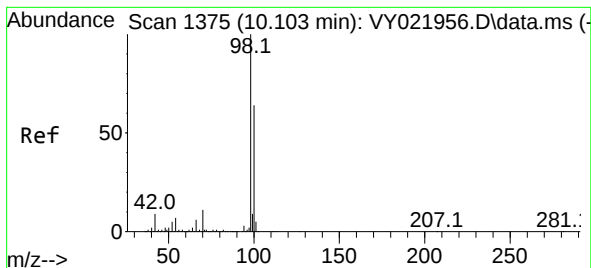
Ion Ratio Lower Upper

117 100

119 5.7 76.2 114.4#

121 0.0 24.0 36.0#

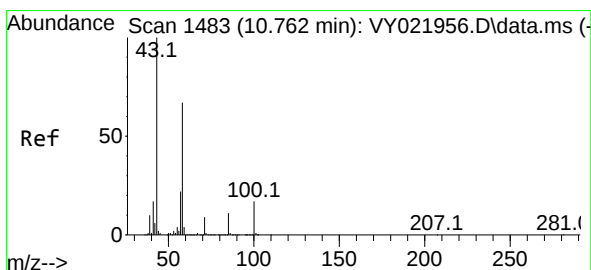
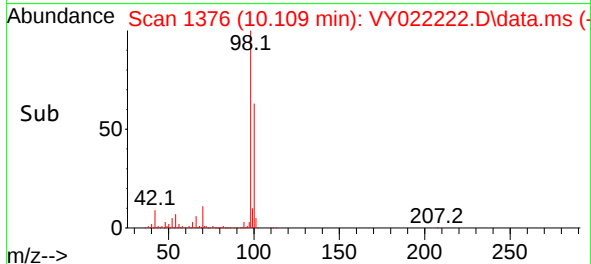
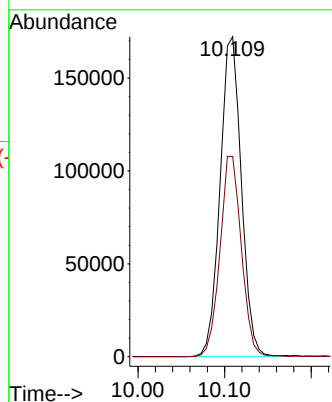
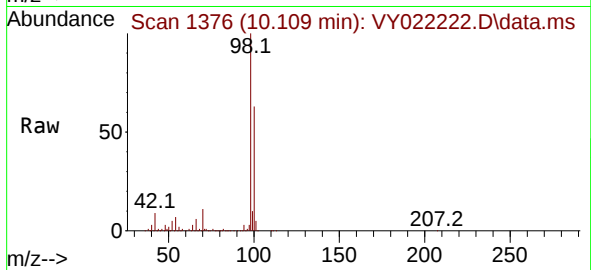




#50
Toluene-d8
Concen: 47.763 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022222.D
Acq: 12 May 2025 14:17

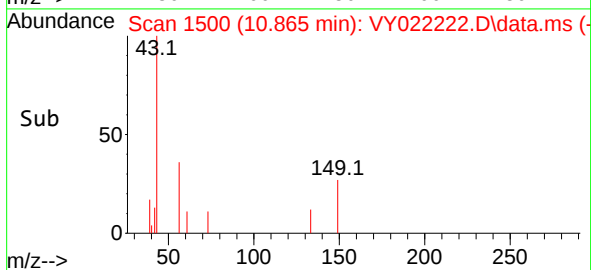
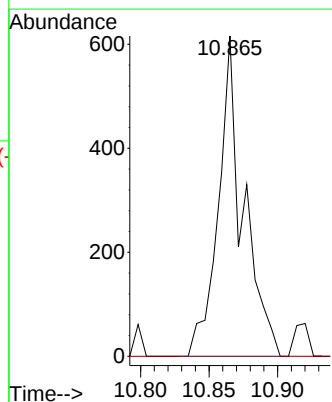
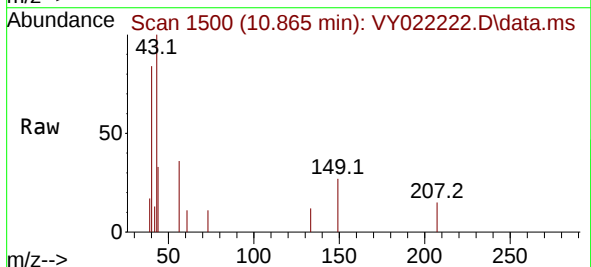
Instrument :
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OR-636-VOC-09

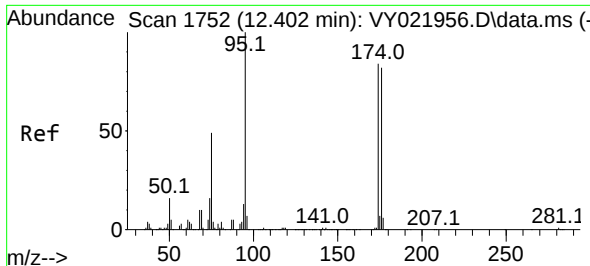
Tgt Ion: 98 Resp: 293855
Ion Ratio Lower Upper
98 100
100 63.1 51.6 77.4



#59
2-Hexanone
Concen: 1.482 ug/l
RT: 10.865 min Scan# 1500
Delta R.T. 0.104 min
Lab File: VY022222.D
Acq: 12 May 2025 14:17

Tgt Ion: 43 Resp: 775
Ion Ratio Lower Upper
43 100
58 0.0 32.0 96.0#

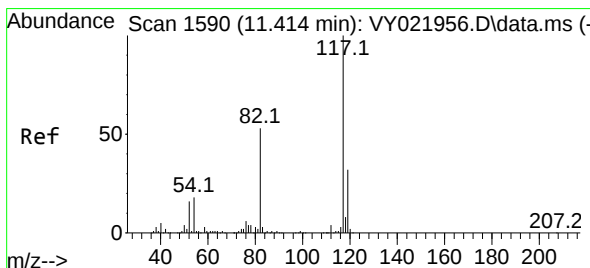
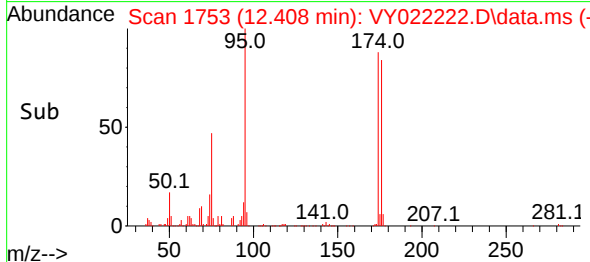
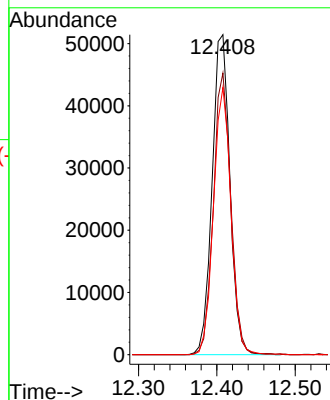
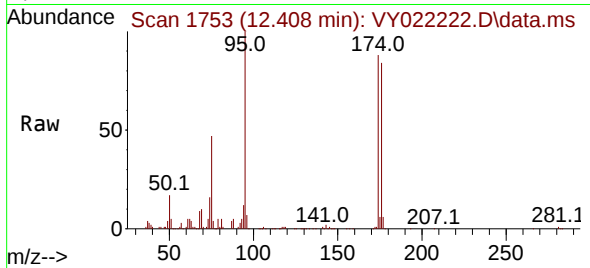




#62
4-Bromofluorobenzene
Concen: 39.178 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022222.D
Acq: 12 May 2025 14:17

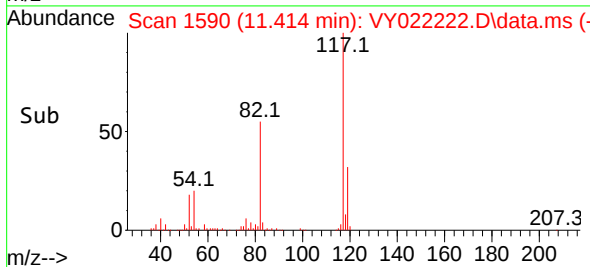
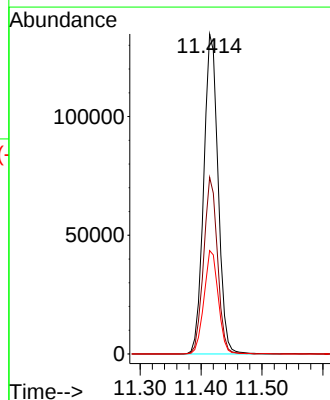
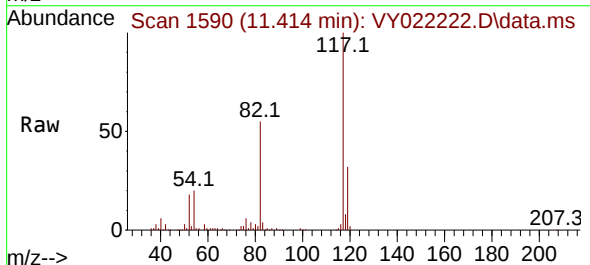
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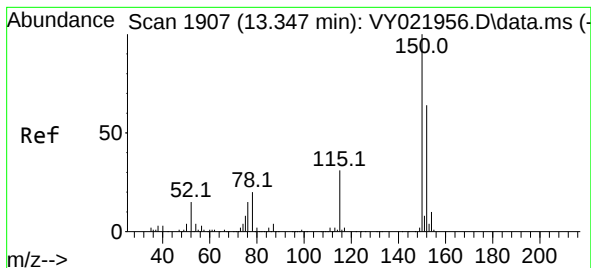
Tgt Ion: 95 Resp: 81143
Ion Ratio Lower Upper
95 100
174 86.3 0.0 179.0
176 82.2 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022222.D
Acq: 12 May 2025 14:17

Tgt Ion: 117 Resp: 220917
Ion Ratio Lower Upper
117 100
82 55.2 42.1 63.1
119 32.3 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: VY022222.D

Acq: 12 May 2025 14:17

Instrument :

MSVOA_Y

ClientSampleId :

OR-636-VOC-09

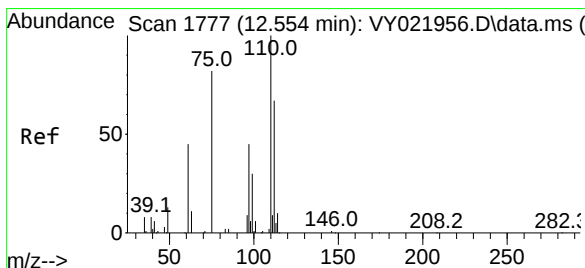
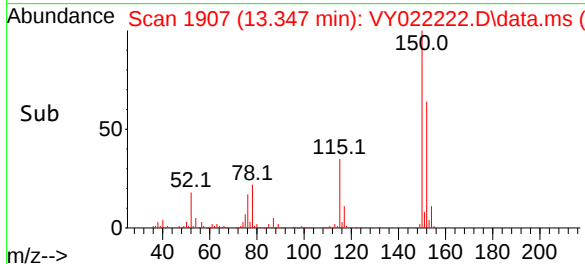
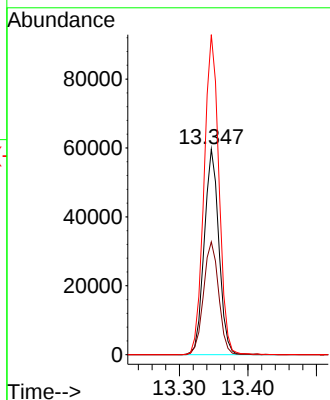
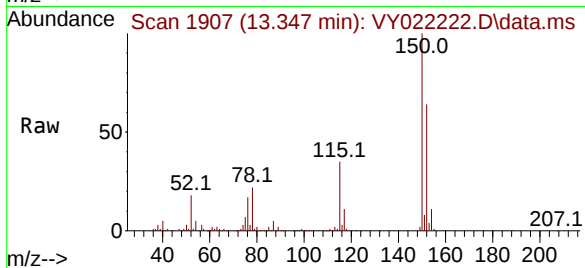
Tgt Ion:152 Resp: 88843

Ion Ratio Lower Upper

152 100

115 56.7 28.0 84.0

150 158.2 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 51.801 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022222.D

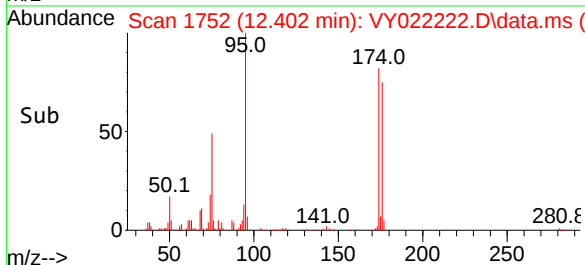
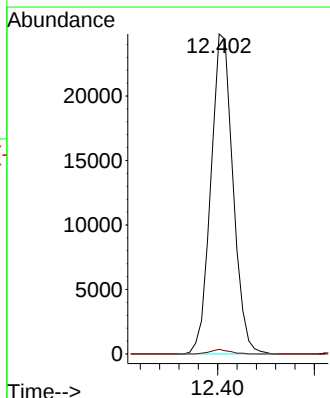
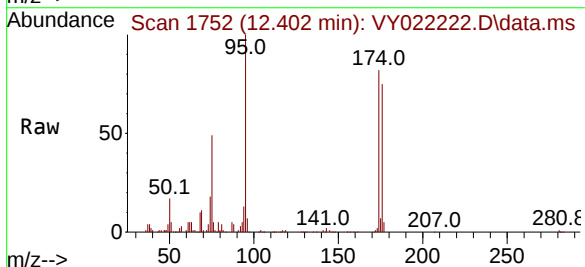
Acq: 12 May 2025 14:17

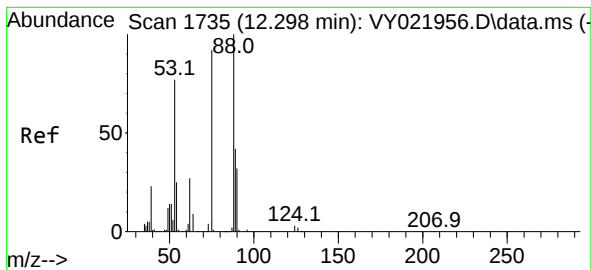
Tgt Ion: 75 Resp: 39420

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.745 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY022222.D
 Acq: 12 May 2025 14:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-636-VOC-09

Tgt Ion: 75 Resp: 39420
 Ion Ratio Lower Upper
 75 100
 53 0.4 66.0 99.0#
 89 0.0 37.2 55.8#

