

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
 Data File : VY022217.D
 Acq On : 12 May 2025 12:24
 Operator : SY/MD
 Sample : Q1983-20
 Misc : 5.40g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-636-VOC-04

Quant Time: May 13 02:18:44 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)

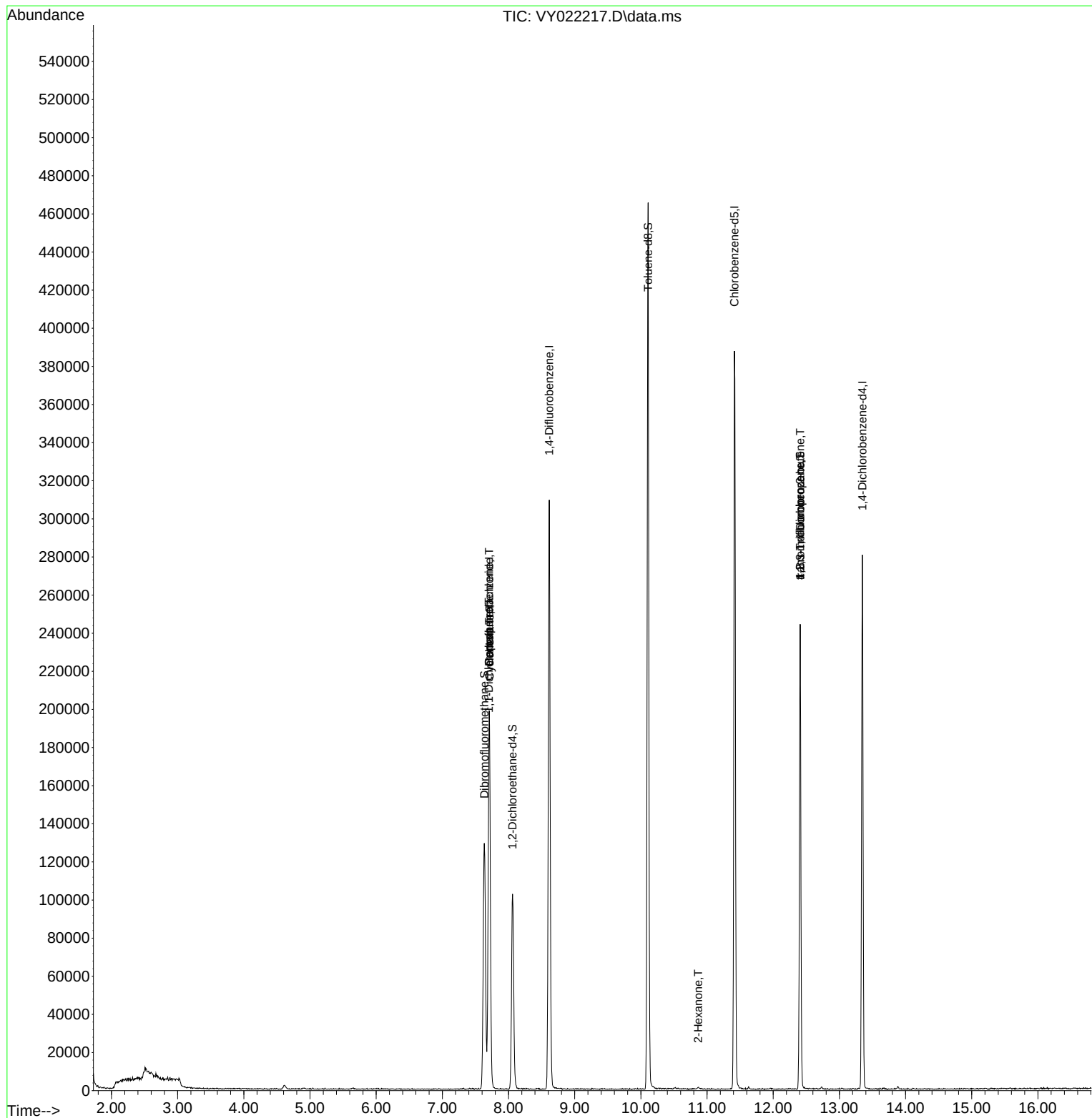
Internal Standards						
1) Pentafluorobenzene	7.707	168	154611	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	260341	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	215333	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	73179	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	83363	58.373	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.740%	
35) Dibromofluoromethane	7.634	113	94378	54.872	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.740%	
50) Toluene-d8	10.109	98	308706	47.609	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 95.220%	
62) 4-Bromofluorobenzene	12.408	95	72620	33.268	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 66.540%	
Target Compounds						
16) Acetone	3.885	43	394	Below Cal	#	41
31) Cyclohexane	7.713	56	3082	1.306	ug/l #	6
36) 1,1-Dichloropropene	7.701	75	11403	4.936	ug/l #	47
38) Carbon Tetrachloride	7.707	117	14899	5.397	ug/l #	17
59) 2-Hexanone	10.865	43	684	1.241	ug/l #	18
76) 1,2,3-Trichloropropane	12.408	75	35750	57.034	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	35750	137.347	ug/l #	16

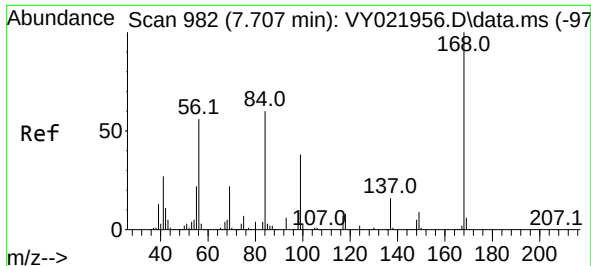
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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OR-636-VOC-04

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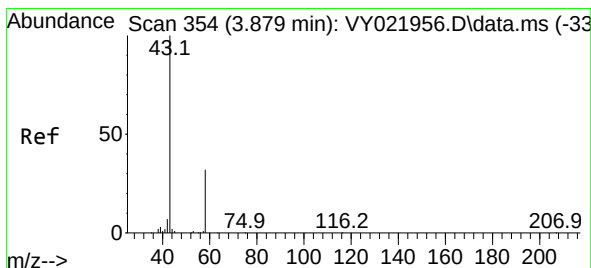
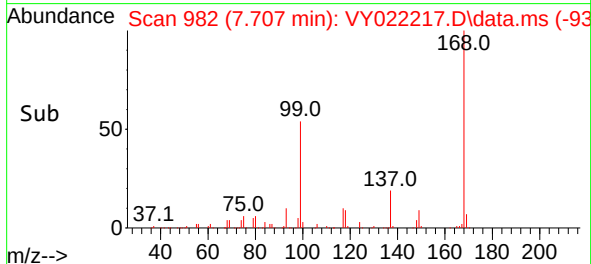
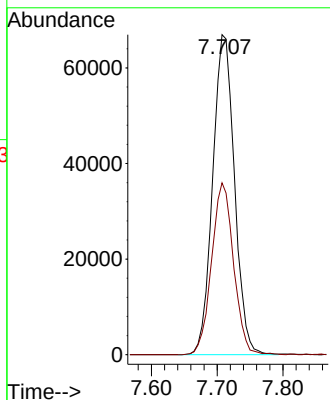
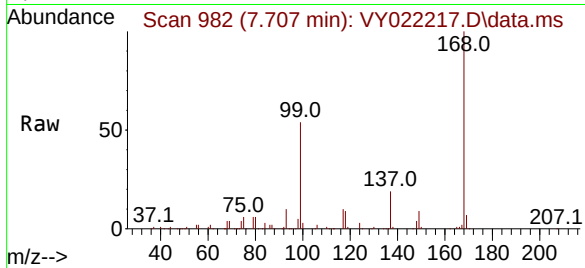




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022217.D
Acq: 12 May 2025 12:24

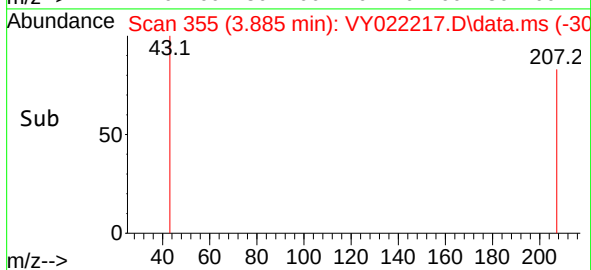
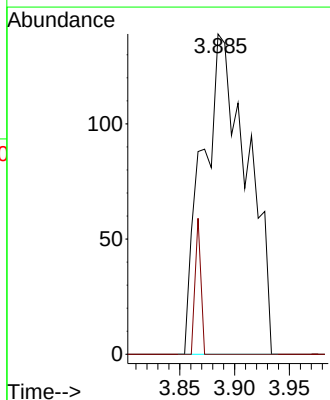
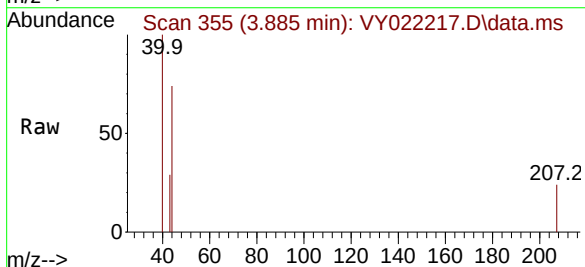
Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-04

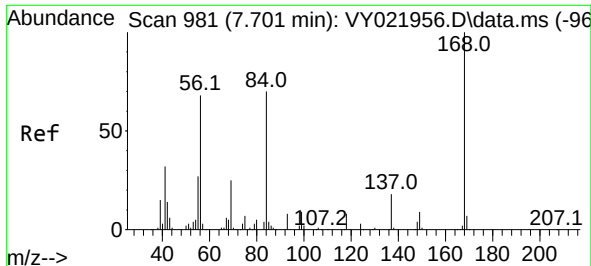
Tgt Ion:168 Resp: 154611
Ion Ratio Lower Upper
168 100
99 53.7 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY022217.D
Acq: 12 May 2025 12:24

Tgt Ion: 43 Resp: 394
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.4#

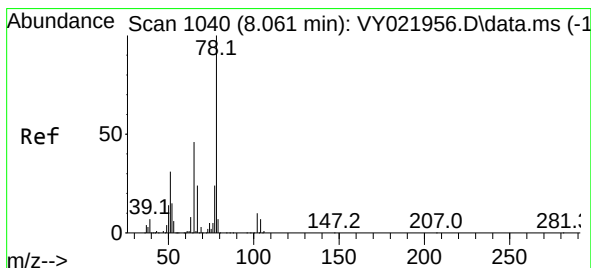
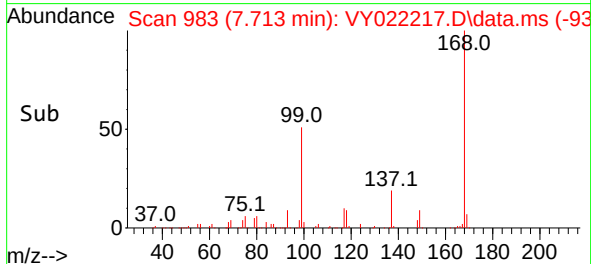
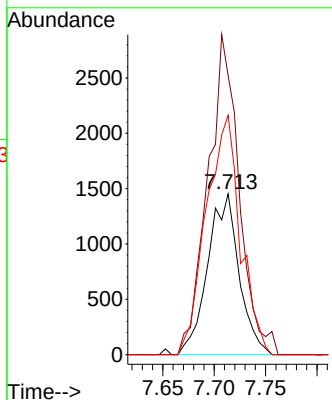
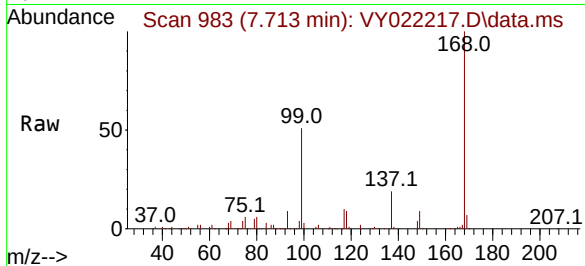




#31
Cyclohexane
Concen: 1.306 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY022217.D
Acq: 12 May 2025 12:24

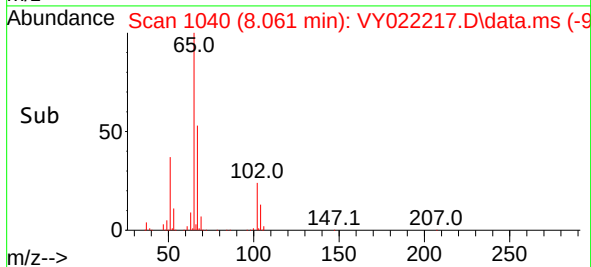
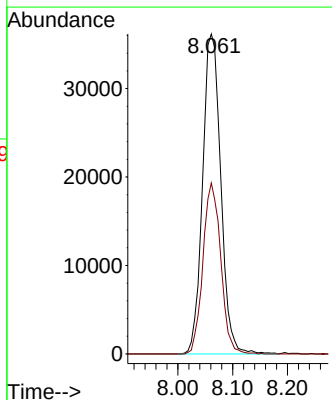
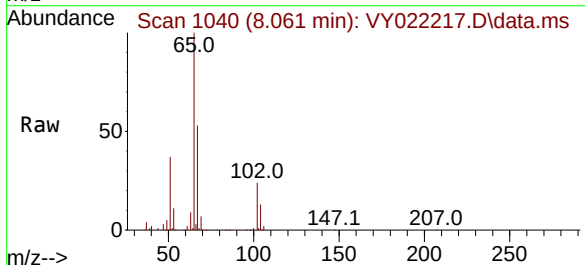
Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-04

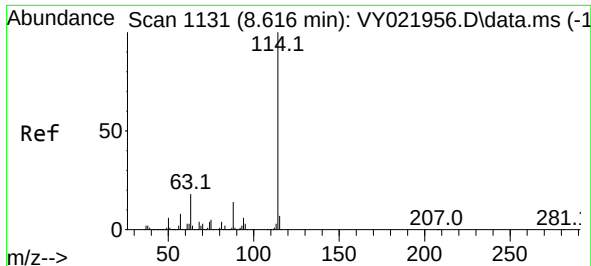
Tgt Ion: 56 Resp: 3082
Ion Ratio Lower Upper
56 100
69 173.7 29.4 44.2#
84 149.0 82.2 123.4#



#33
1,2-Dichloroethane-d4
Concen: 58.373 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022217.D
Acq: 12 May 2025 12:24

Tgt Ion: 65 Resp: 83363
Ion Ratio Lower Upper
65 100
67 52.1 0.0 105.8

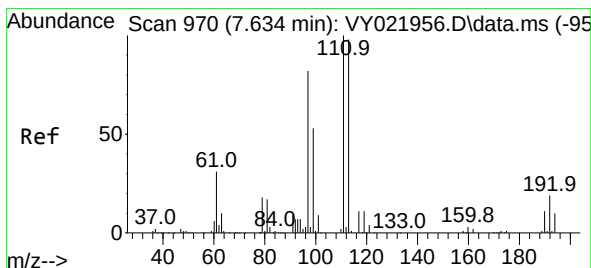
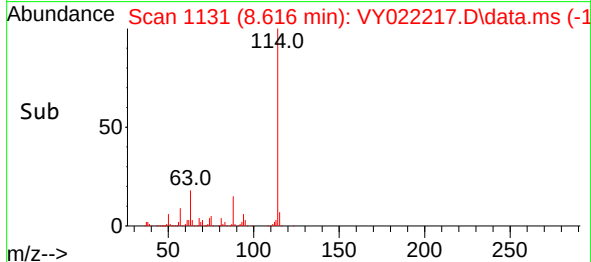
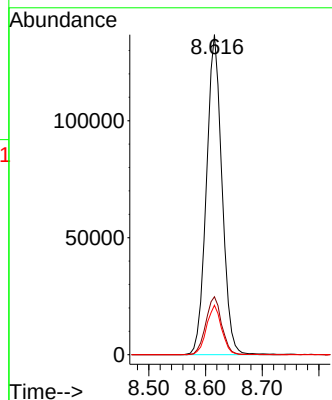
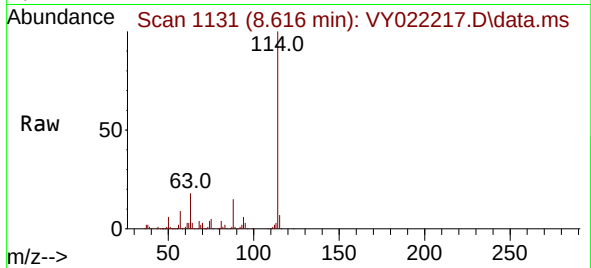




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022217.D
Acq: 12 May 2025 12:24

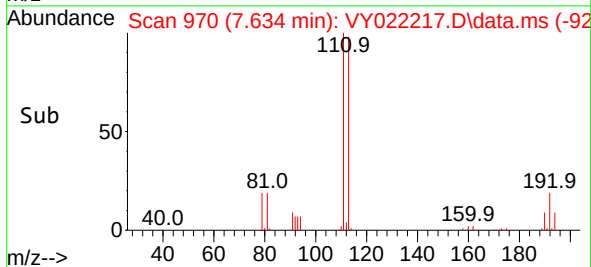
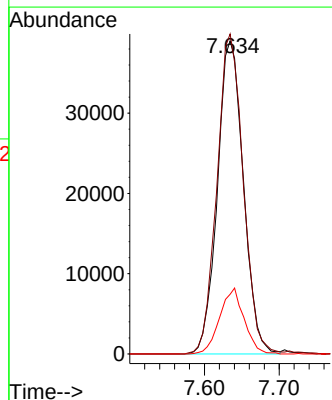
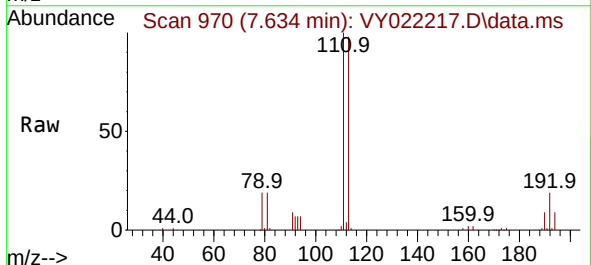
Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-04

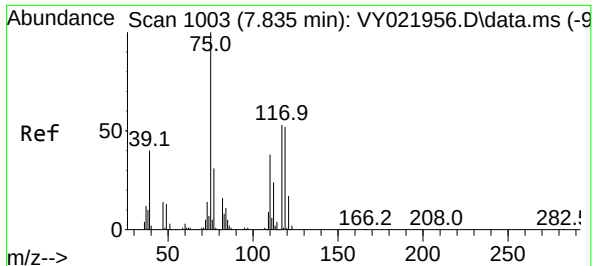
Tgt Ion:114 Resp: 260341
Ion Ratio Lower Upper
114 100
63 18.1 0.0 35.4
88 15.5 0.0 28.2



#35
Dibromofluoromethane
Concen: 54.872 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY022217.D
Acq: 12 May 2025 12:24

Tgt Ion:113 Resp: 94378
Ion Ratio Lower Upper
113 100
111 103.1 81.8 122.8
192 19.7 15.6 23.4





#36

1,1-Dichloropropene

Concen: 4.936 ug/l

RT: 7.701 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY022217.D

Acq: 12 May 2025 12:24

Instrument :

MSVOA_Y

ClientSampleId :

OR-636-VOC-04

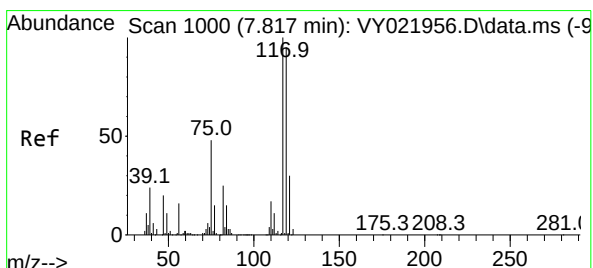
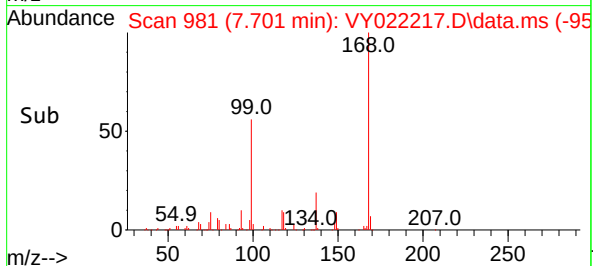
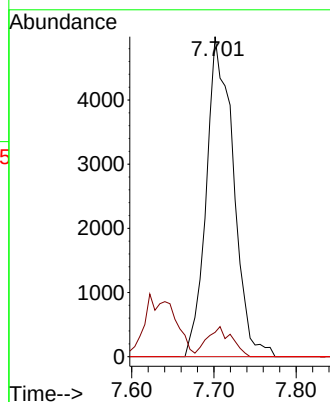
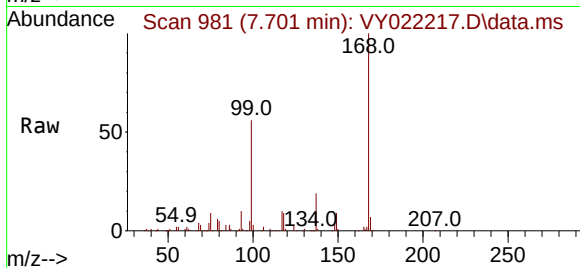
Tgt Ion: 75 Resp: 11403

Ion Ratio Lower Upper

75 100

110 8.5 19.1 57.3#

77 0.0 25.5 38.3#



#38

Carbon Tetrachloride

Concen: 5.397 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY022217.D

Acq: 12 May 2025 12:24

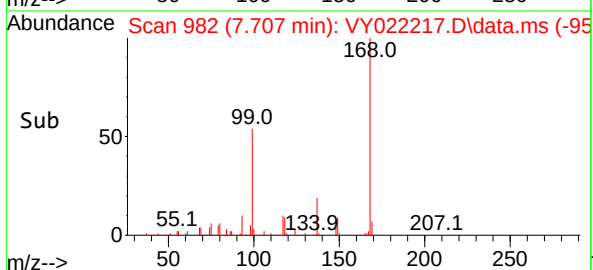
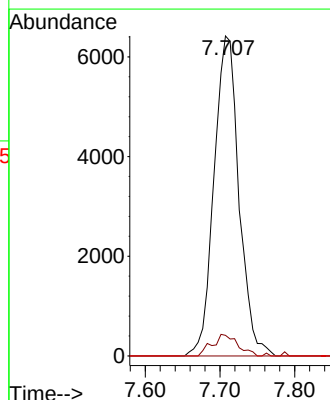
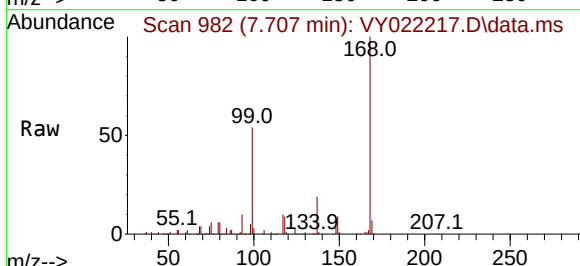
Tgt Ion: 117 Resp: 14899

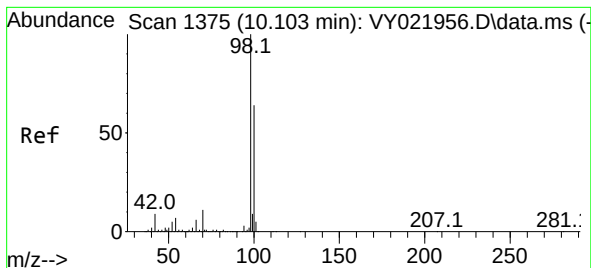
Ion Ratio Lower Upper

117 100

119 6.5 76.2 114.4#

121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 47.609 ug/l

RT: 10.109 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022217.D

Acq: 12 May 2025 12:24

Instrument :

MSVOA_Y

ClientSampleId :

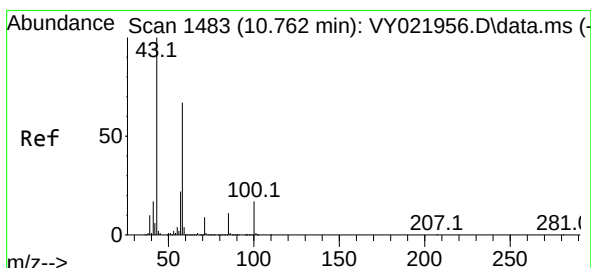
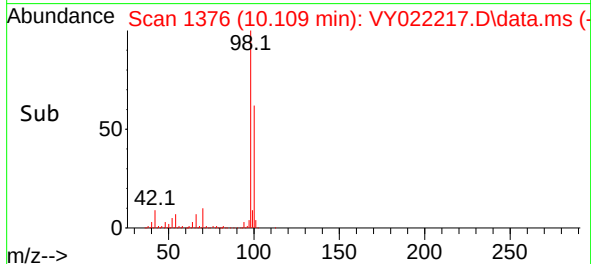
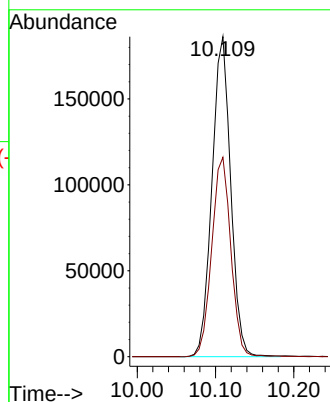
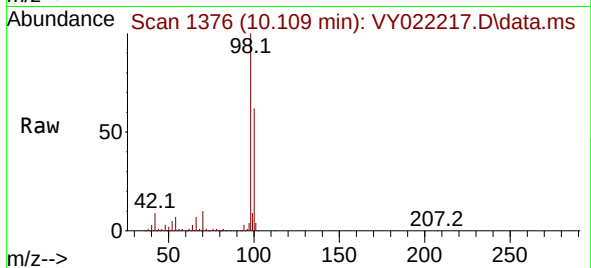
OR-636-VOC-04

Tgt Ion: 98 Resp: 308706

Ion Ratio Lower Upper

98 100

100 63.7 51.6 77.4



#59

2-Hexanone

Concen: 1.241 ug/l

RT: 10.865 min Scan# 1500

Delta R.T. 0.104 min

Lab File: VY022217.D

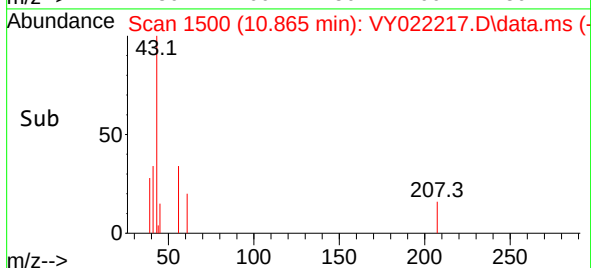
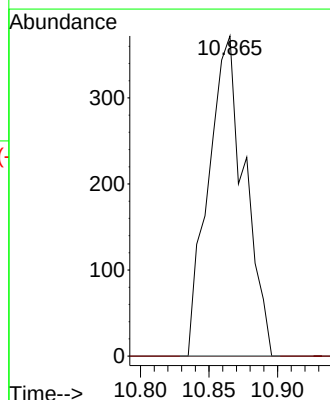
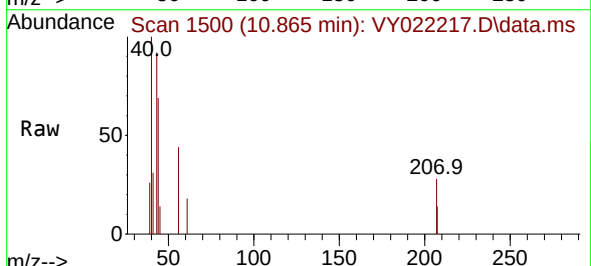
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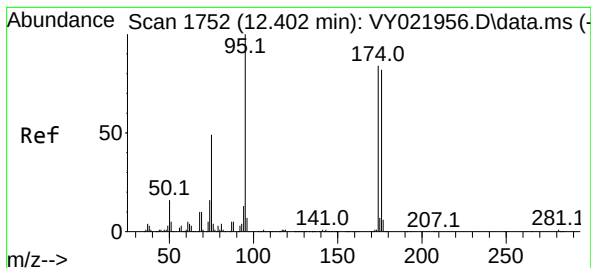
Tgt Ion: 43 Resp: 684

Ion Ratio Lower Upper

43 100

58 0.0 32.0 96.0#

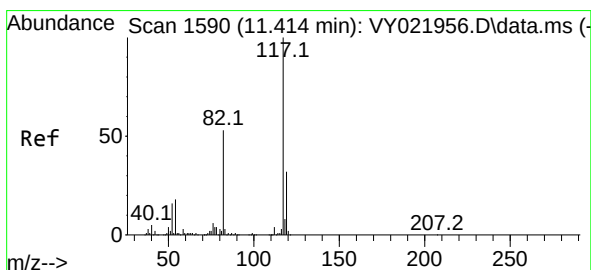
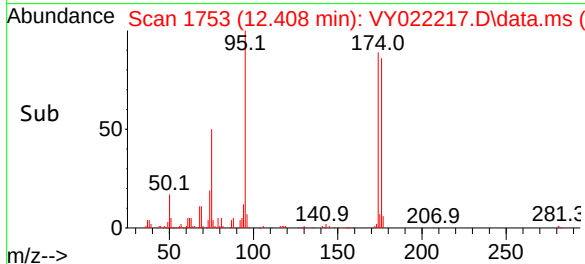
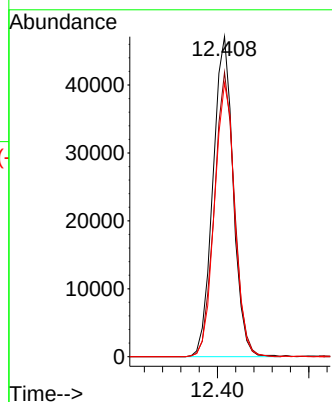
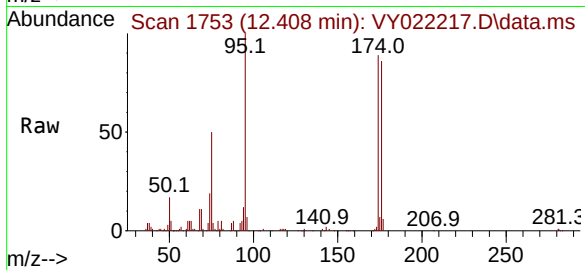




#62
4-Bromofluorobenzene
Concen: 33.268 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022217.D
Acq: 12 May 2025 12:24

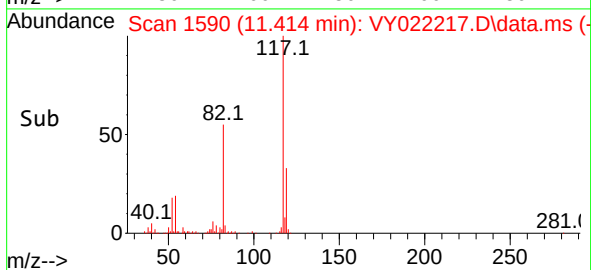
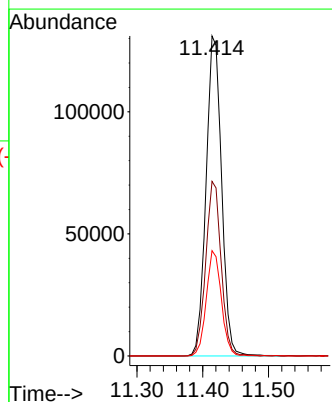
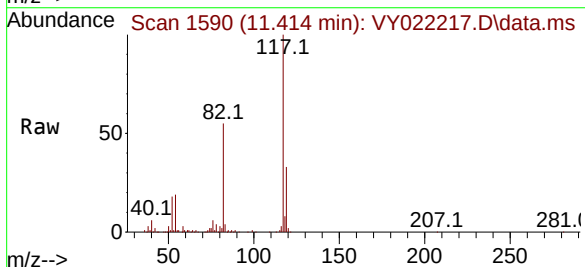
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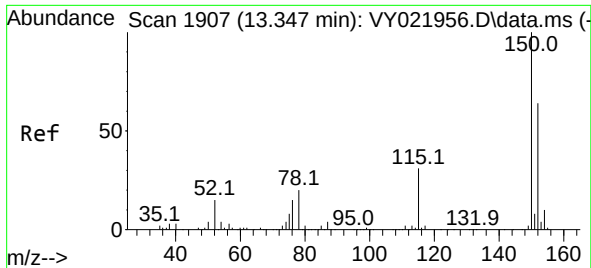
Tgt Ion: 95 Resp: 72620
Ion Ratio Lower Upper
95 100
174 88.6 0.0 179.0
176 85.8 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY022217.D
Acq: 12 May 2025 12:24

Tgt Ion: 117 Resp: 215333
Ion Ratio Lower Upper
117 100
82 54.6 42.1 63.1
119 32.9 25.7 38.5

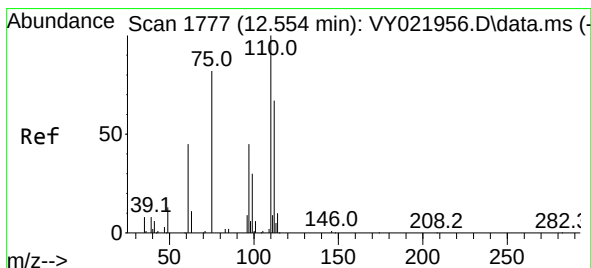
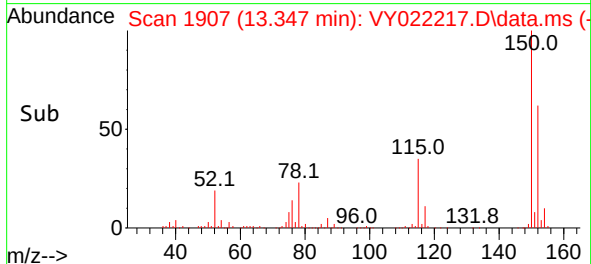
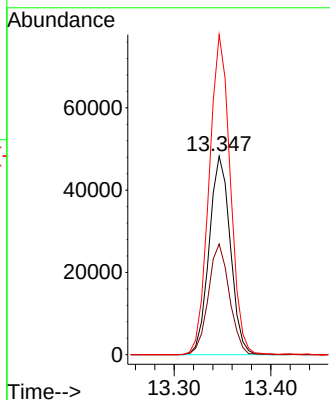
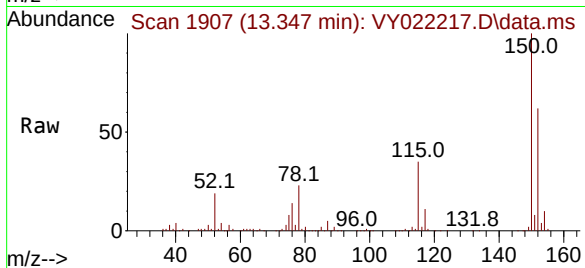




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY022217.D
 Acq: 12 May 2025 12:24

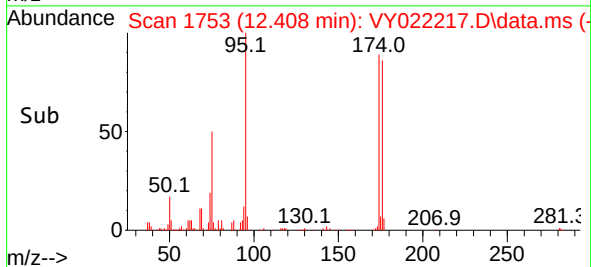
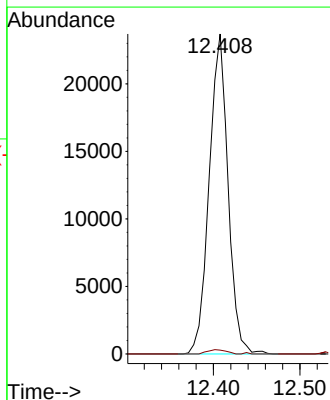
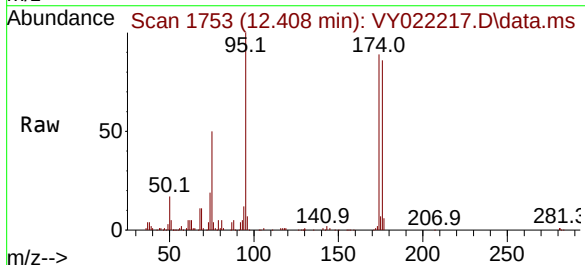
Instrument :
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 OR-636-VOC-04

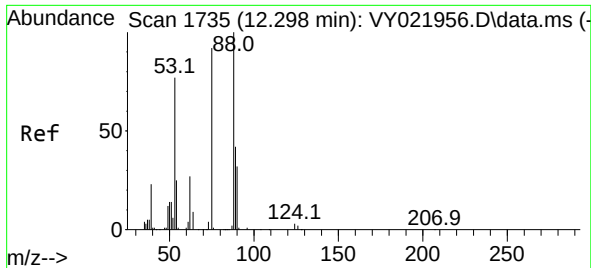
Tgt Ion:152 Resp: 73179
 Ion Ratio Lower Upper
 152 100
 115 55.8 28.0 84.0
 150 161.2 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 57.034 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY022217.D
 Acq: 12 May 2025 12:24

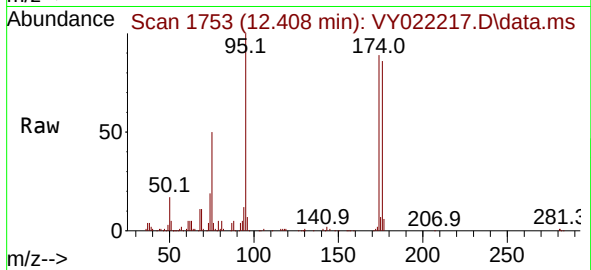
Tgt Ion: 75 Resp: 35750
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 137.347 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY022217.D
 Acq: 12 May 2025 12:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-636-VOC-04



Tgt Ion:	75	Resp:	35750
Ion	Ratio	Lower	Upper
75	100		
53	0.1	66.0	99.0#
89	0.2	37.2	55.8#

