

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
 Data File : VY022218.D
 Acq On : 12 May 2025 12:47
 Operator : SY/MD
 Sample : Q1983-24
 Misc : 4.70g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-636-VOC-05

Quant Time: May 13 02:19:04 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)

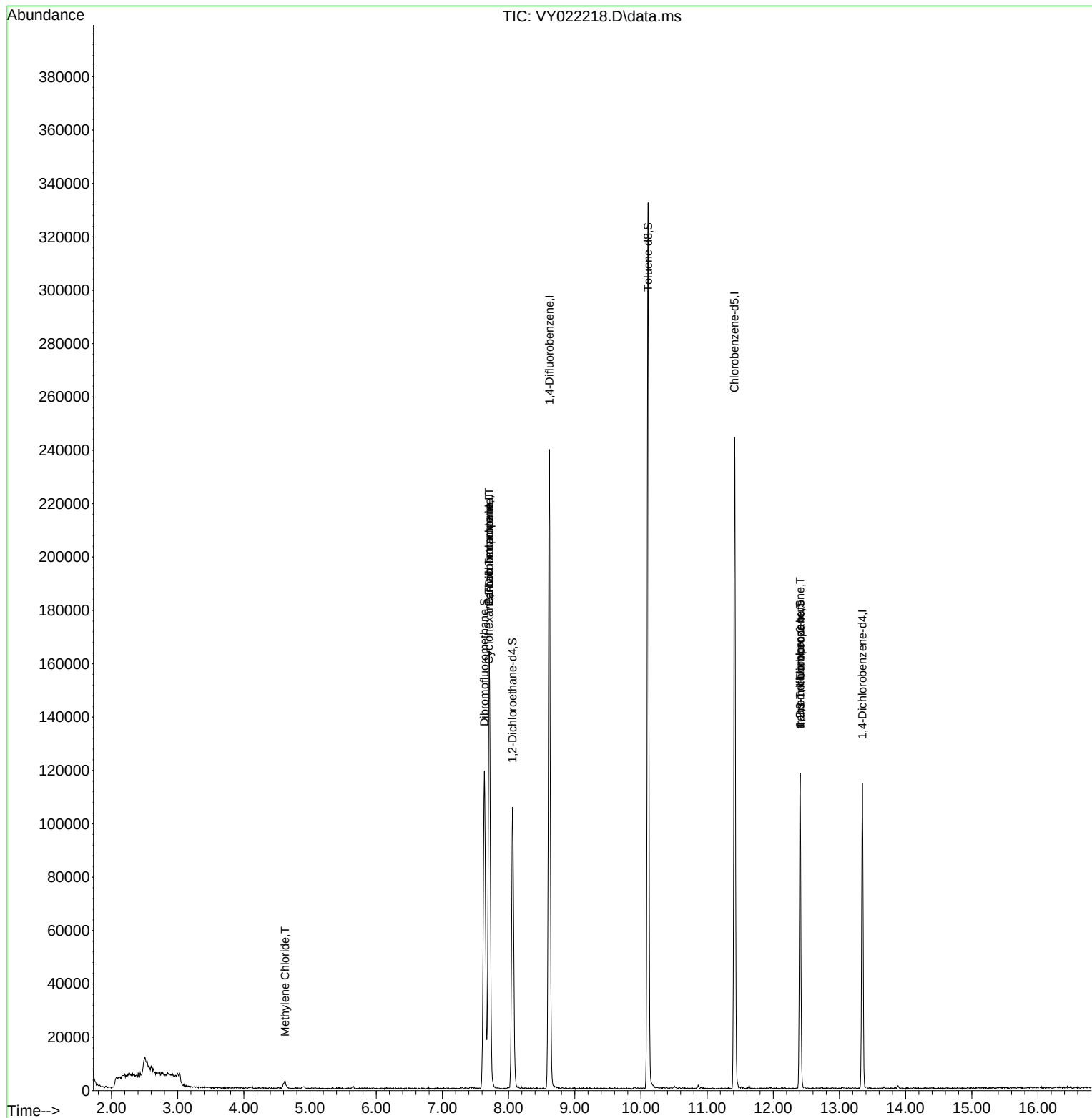
Internal Standards						
1) Pentafluorobenzene	7.707	168	124746	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	207075	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	139167	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	30525	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	84882	73.666	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 147.340%			
35) Dibromofluoromethane	7.634	113	85187	62.269	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 124.540%			
50) Toluene-d8	10.109	98	220714	42.794	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 85.580%			
62) 4-Bromofluorobenzene	12.407	95	35192	20.269	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 40.540%			
Target Compounds						
16) Acetone	3.878	43	357	Below Cal	#	41
20) Methylene Chloride	4.622	84	1894	1.300	ug/l #	82
31) Cyclohexane	7.701	56	2630	1.381	ug/l #	21
36) 1,1-Dichloropropene	7.707	75	9640	5.246	ug/l #	49
38) Carbon Tetrachloride	7.707	117	12552	5.716	ug/l #	18
76) 1,2,3-Trichloropropane	12.407	75	18266	69.861	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	18266	168.236	ug/l #	16

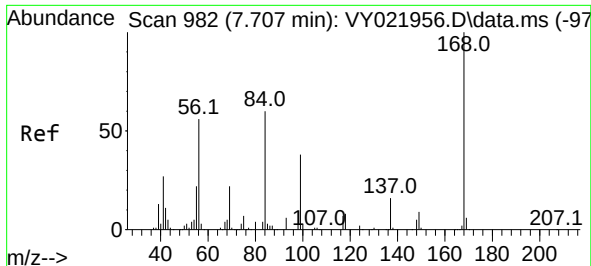
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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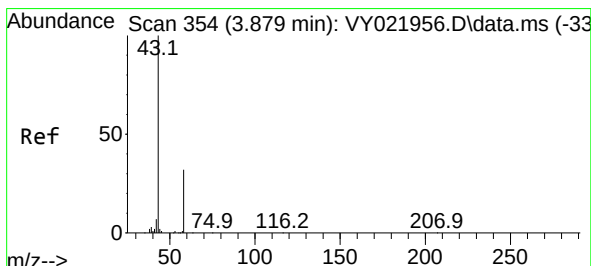
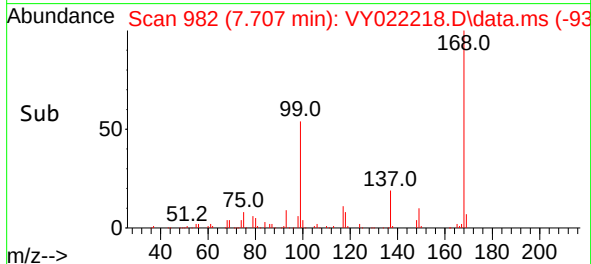
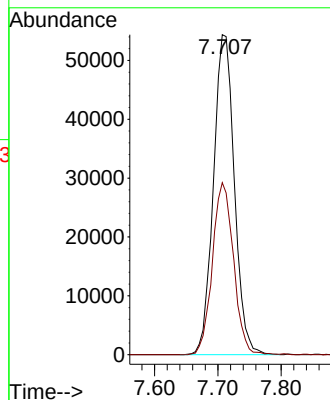
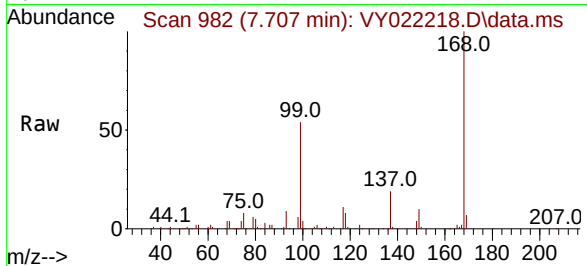




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022218.D
Acq: 12 May 2025 12:47

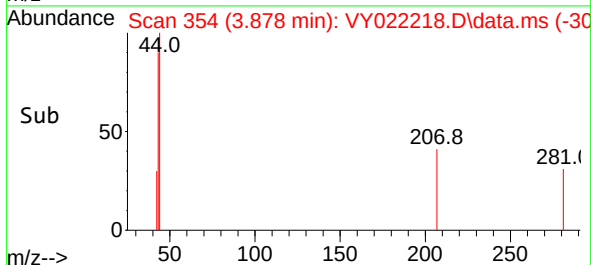
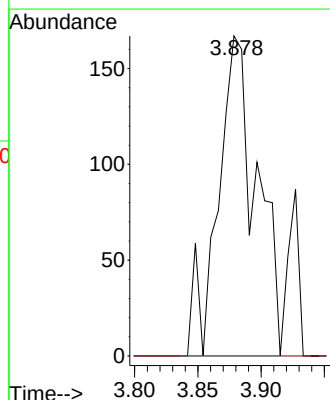
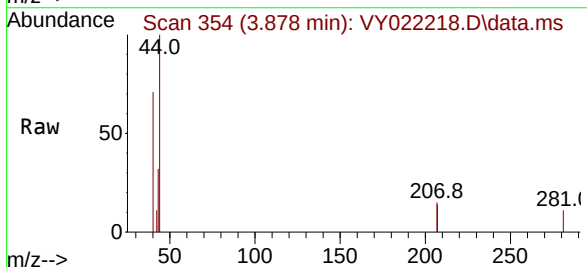
Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-05

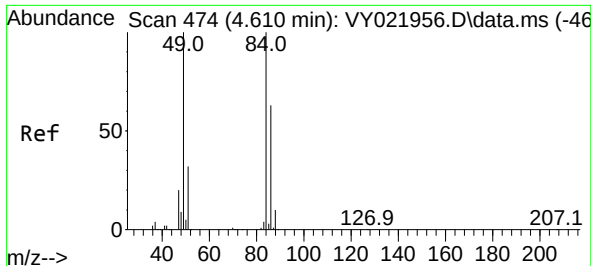
Tgt Ion:168 Resp: 124746
Ion Ratio Lower Upper
168 100
99 53.7 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.878 min Scan# 354
Delta R.T. -0.001 min
Lab File: VY022218.D
Acq: 12 May 2025 12:47

Tgt Ion: 43 Resp: 357
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.4#

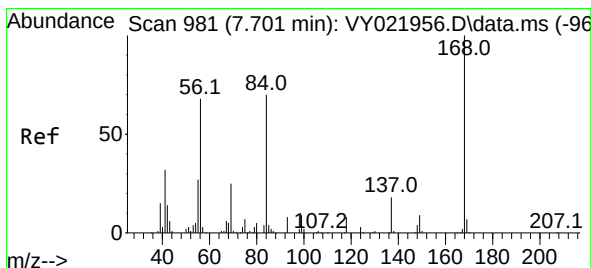
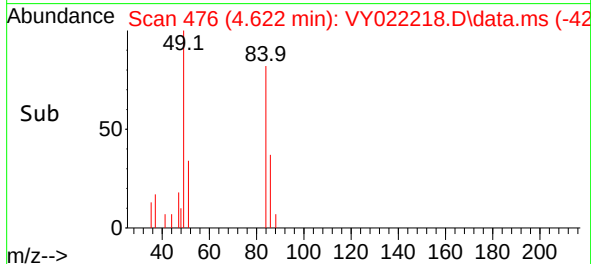
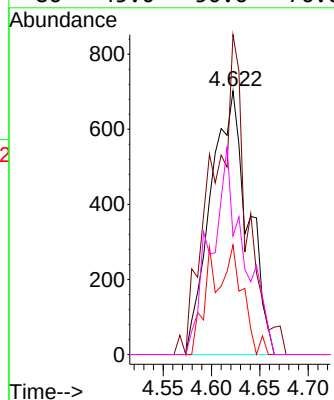
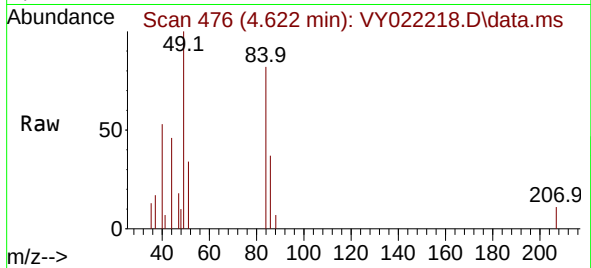




#20
Methylene Chloride
Concen: 1.300 ug/l
RT: 4.622 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY022218.D
Acq: 12 May 2025 12:47

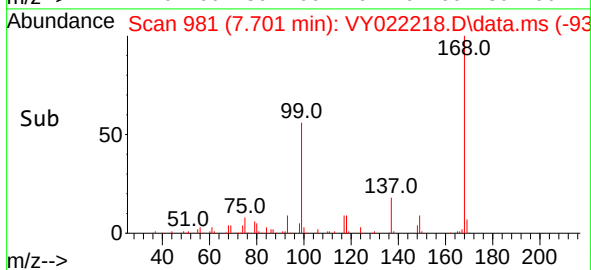
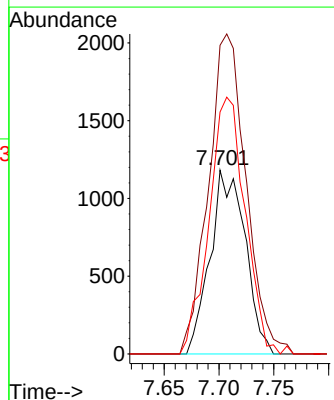
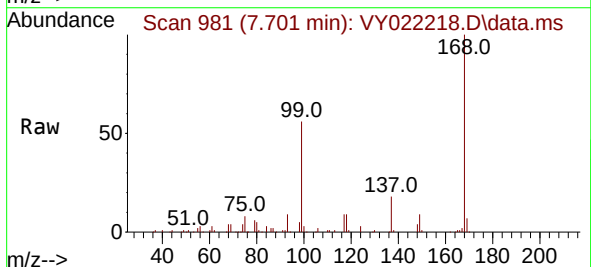
Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-05

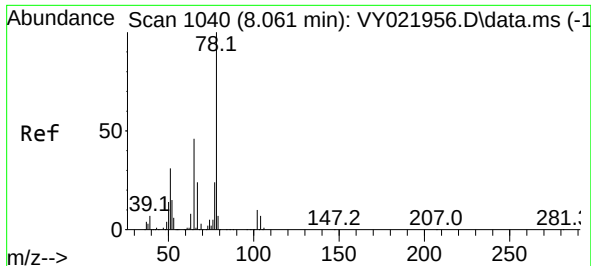
Tgt Ion:	84	Resp:	1894
Ion	Ratio	Lower	Upper
84	100		
49	114.1	79.9	119.9
51	41.6	25.4	38.0#
86	45.0	50.6	76.0#



#31
Cyclohexane
Concen: 1.381 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY022218.D
Acq: 12 May 2025 12:47

Tgt Ion:	56	Resp:	2630
Ion	Ratio	Lower	Upper
56	100		
69	168.1	29.4	44.2#
84	131.8	82.2	123.4#





#33

1,2-Dichloroethane-d4

Concen: 73.666 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. -0.000 min

Lab File: VY022218.D

Acq: 12 May 2025 12:47

Instrument :

MSVOA_Y

ClientSampleId :

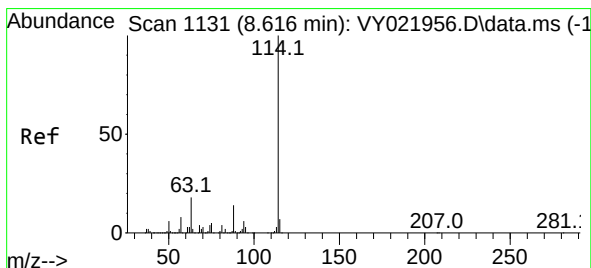
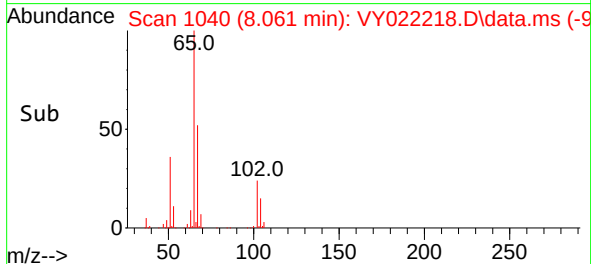
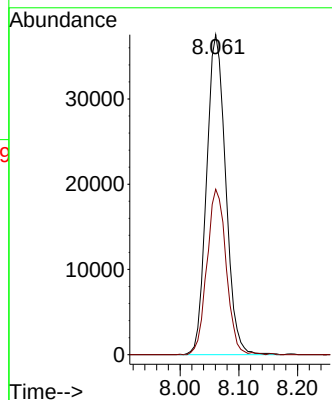
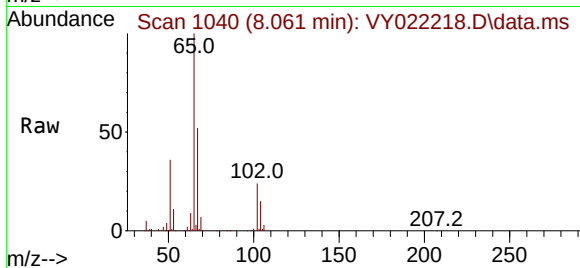
OR-636-VOC-05

Tgt Ion: 65 Resp: 84882

Ion Ratio Lower Upper

65 100

67 52.2 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022218.D

Acq: 12 May 2025 12:47

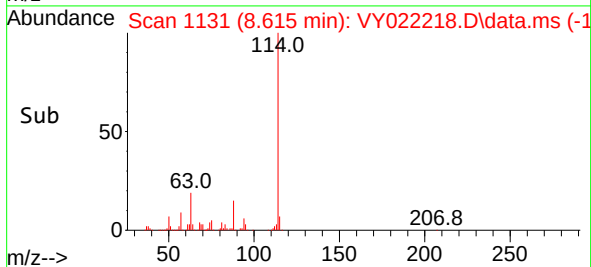
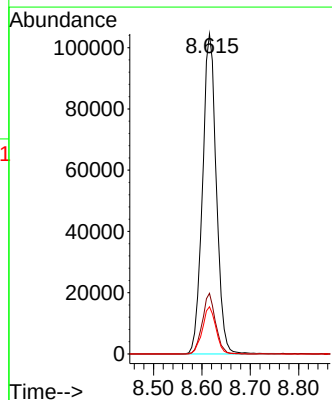
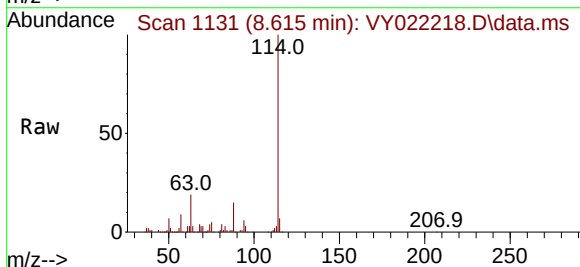
Tgt Ion: 114 Resp: 207075

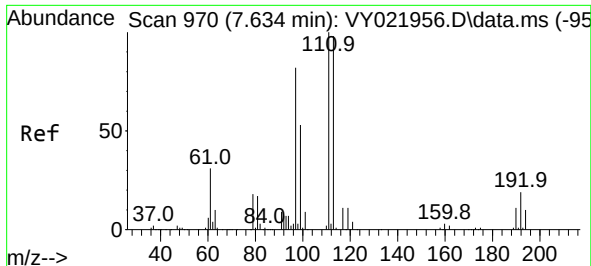
Ion Ratio Lower Upper

114 100

63 19.0 0.0 35.4

88 14.7 0.0 28.2

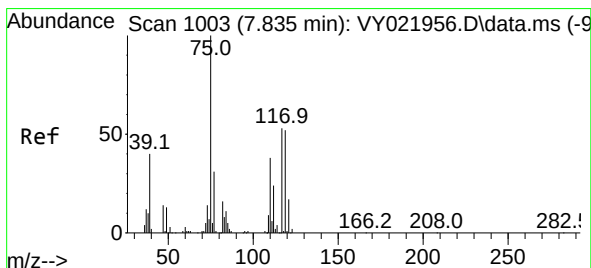
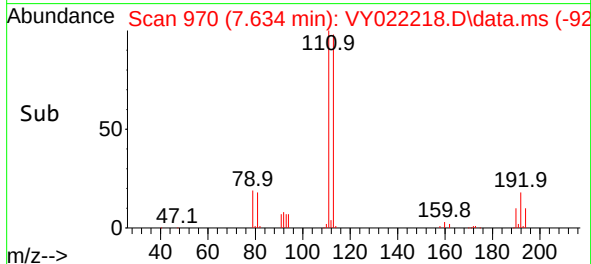
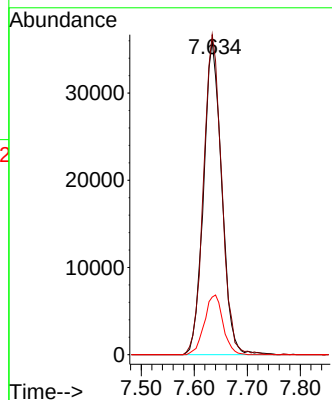
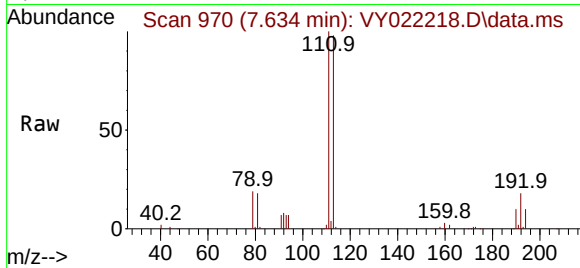




#35
Dibromofluoromethane
Concen: 62.269 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022218.D
Acq: 12 May 2025 12:47

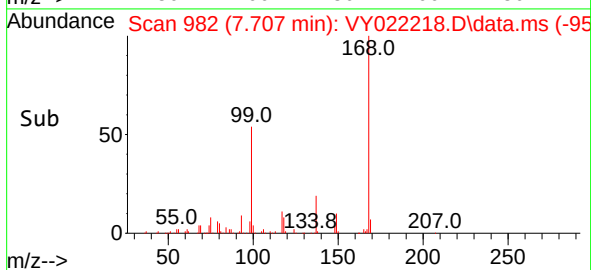
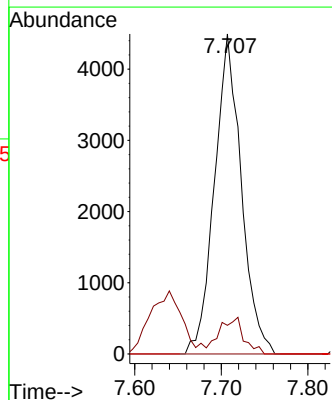
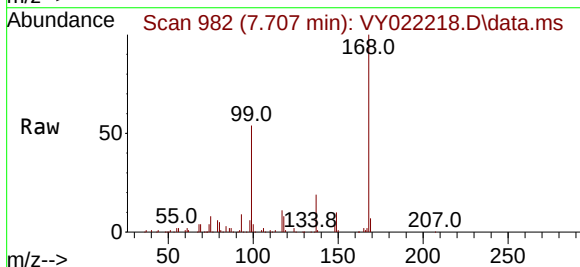
Instrument :
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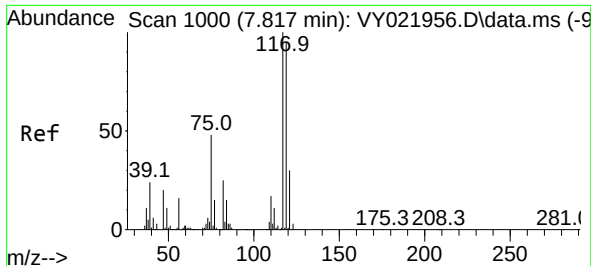
Tgt Ion:113 Resp: 85187
Ion Ratio Lower Upper
113 100
111 102.1 81.8 122.8
192 19.5 15.6 23.4



#36
1,1-Dichloropropene
Concen: 5.246 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY022218.D
Acq: 12 May 2025 12:47

Tgt Ion: 75 Resp: 9640
Ion Ratio Lower Upper
75 100
110 10.3 19.1 57.3#
77 0.0 25.5 38.3#

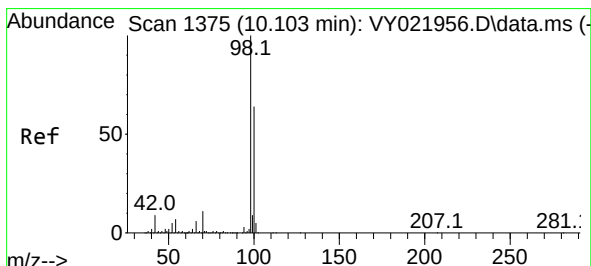
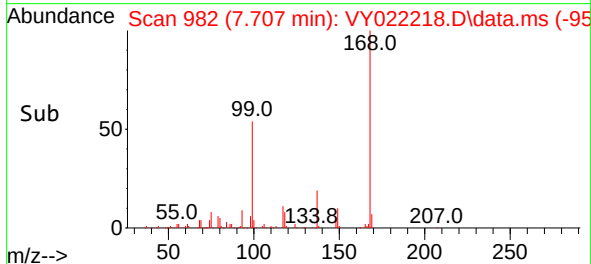
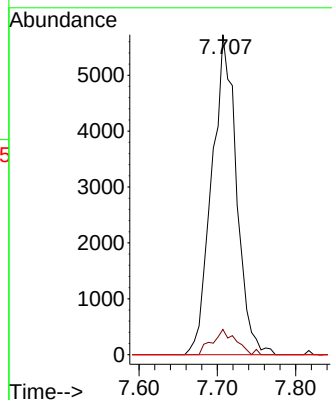
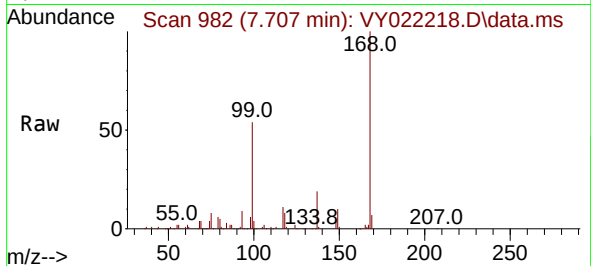




#38
Carbon Tetrachloride
Concen: 5.716 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022218.D
Acq: 12 May 2025 12:47

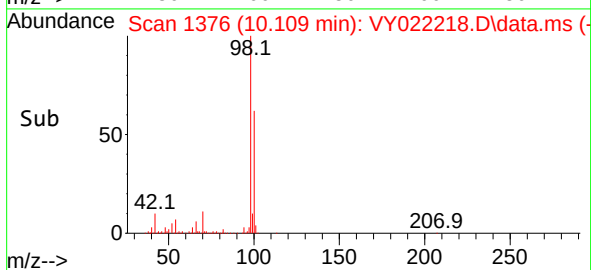
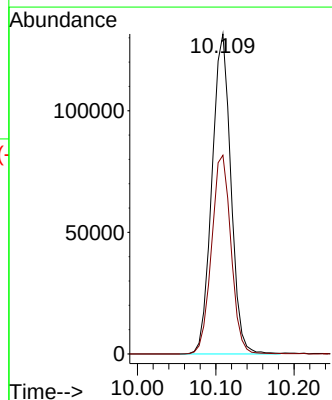
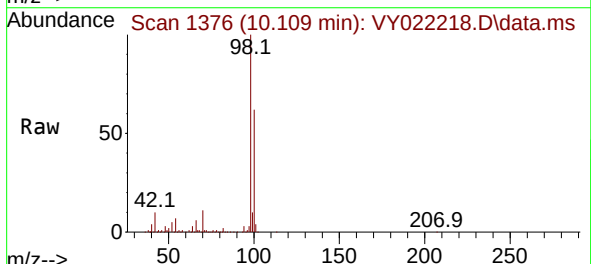
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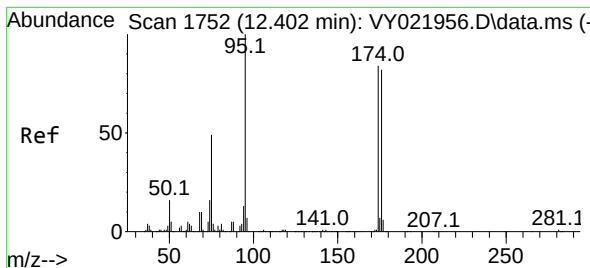
Tgt Ion:117 Resp: 12552
Ion Ratio Lower Upper
117 100
119 7.9 76.2 114.4#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 42.794 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022218.D
Acq: 12 May 2025 12:47

Tgt Ion: 98 Resp: 220714
Ion Ratio Lower Upper
98 100
100 63.7 51.6 77.4

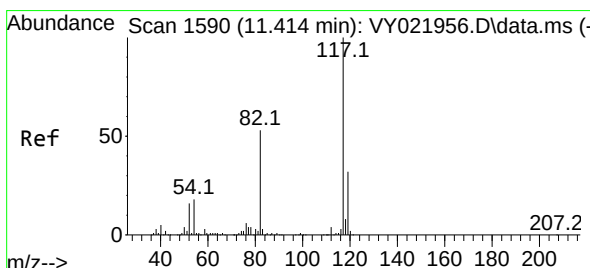
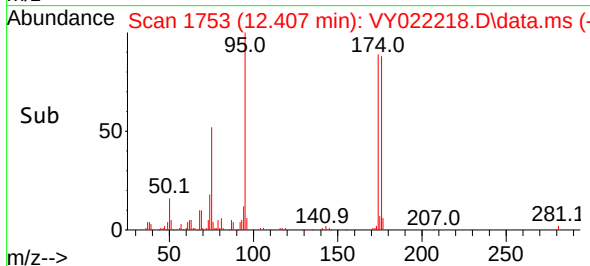
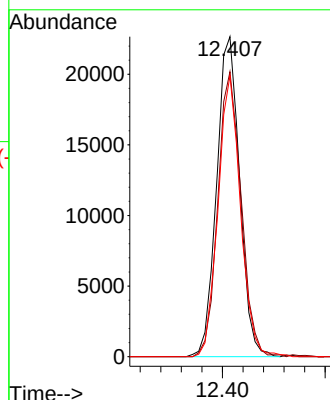
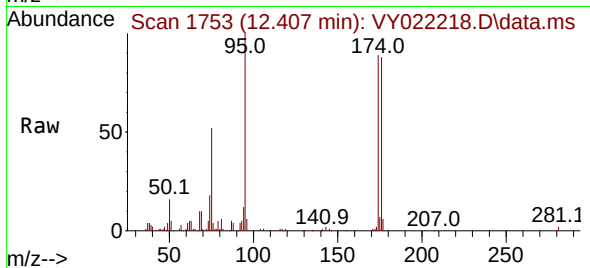




#62
4-Bromofluorobenzene
Concen: 20.269 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022218.D
Acq: 12 May 2025 12:47

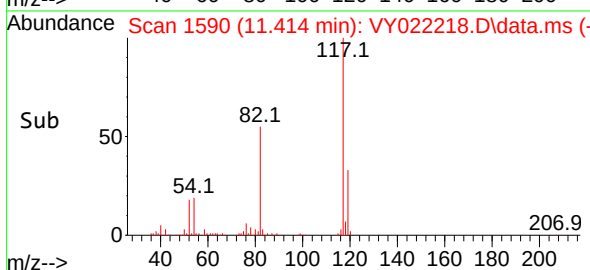
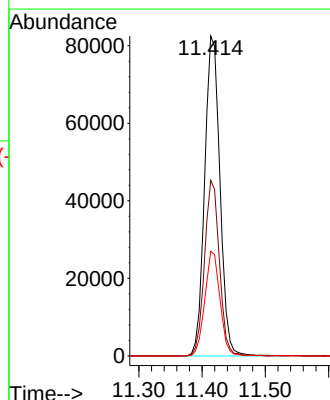
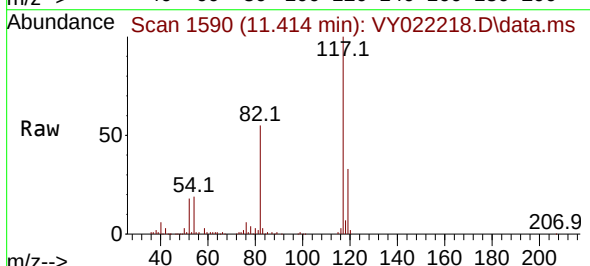
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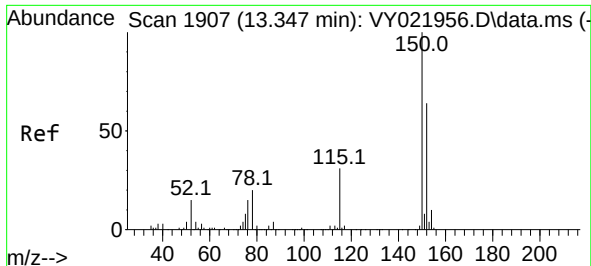
Tgt Ion: 95 Resp: 35192
Ion Ratio Lower Upper
95 100
174 89.9 0.0 179.0
176 85.7 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022218.D
Acq: 12 May 2025 12:47

Tgt Ion: 117 Resp: 139167
Ion Ratio Lower Upper
117 100
82 54.9 42.1 63.1
119 32.7 25.7 38.5

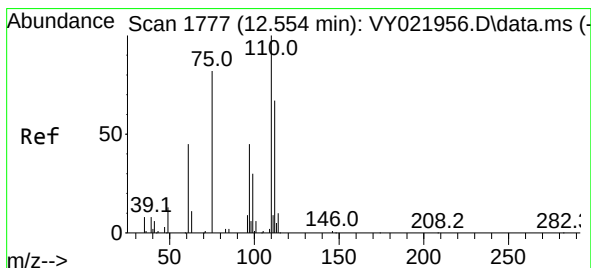
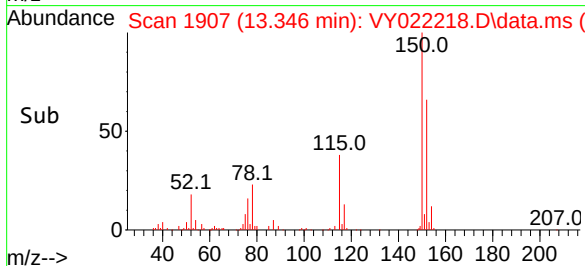
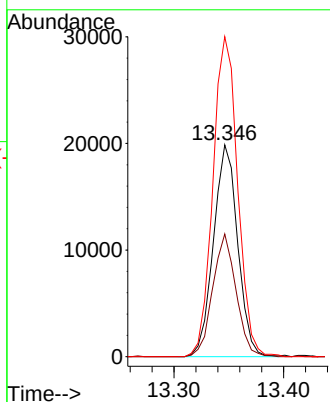
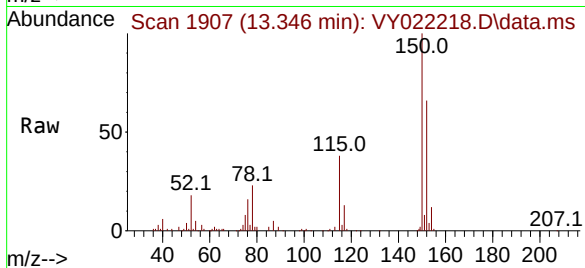




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY022218.D
 Acq: 12 May 2025 12:47

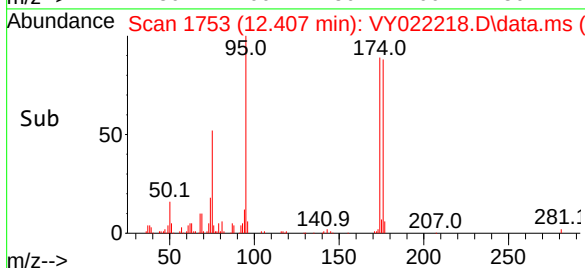
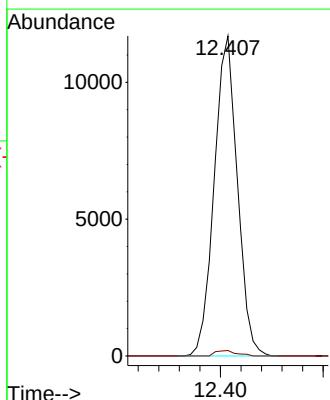
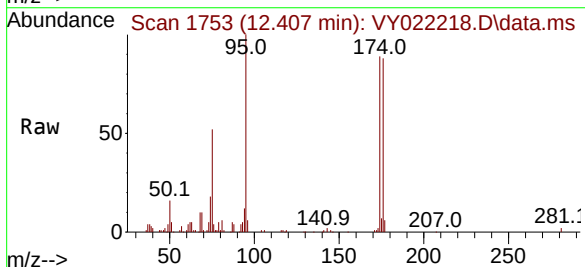
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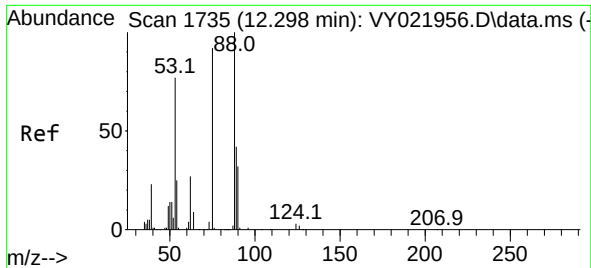
Tgt Ion:152 Resp: 30525
 Ion Ratio Lower Upper
 152 100
 115 55.7 28.0 84.0
 150 154.3 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 69.861 ug/l
 RT: 12.407 min Scan# 1753
 Delta R.T. -0.147 min
 Lab File: VY022218.D
 Acq: 12 May 2025 12:47

Tgt Ion: 75 Resp: 18266
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 168.236 ug/l
 RT: 12.407 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY022218.D
 Acq: 12 May 2025 12:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-636-VOC-05

Tgt Ion: 75 Resp: 18266
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.0 99.0#
 89 0.0 37.2 55.8#

