

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042825\
 Data File : VY022039.D
 Acq On : 28 Apr 2025 18:12
 Operator : SY/MD
 Sample : Q1900-07
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-2-VOC

Quant Time: Apr 29 03:55:51 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)

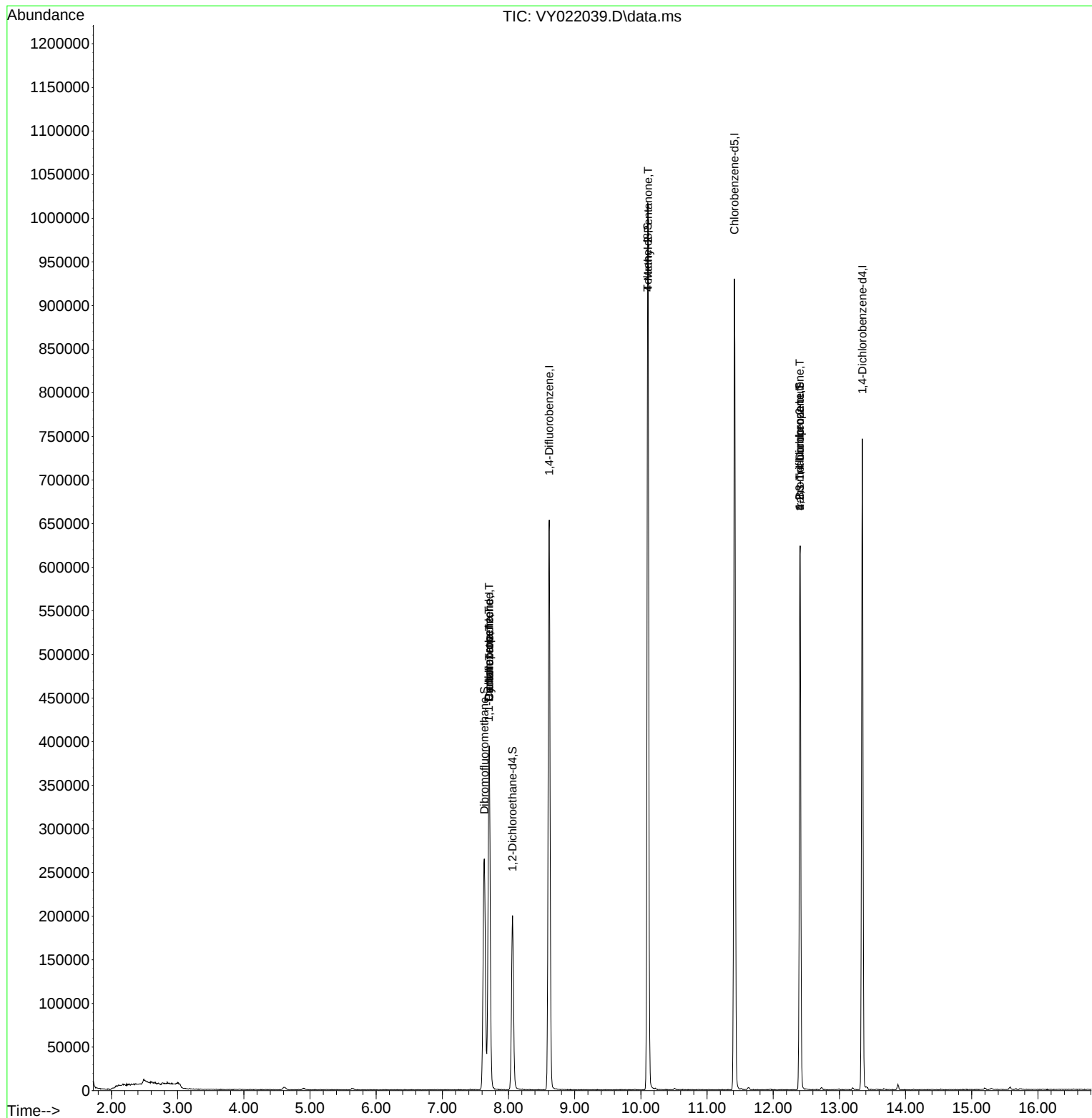
Internal Standards						
1) Pentafluorobenzene	7.707	168	308159	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	592218	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	518914	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	193011	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	152152	53.454	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.900%	
35) Dibromofluoromethane	7.634	113	195889	50.067	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.140%	
50) Toluene-d8	10.103	98	702425	47.622	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 95.240%	
62) 4-Bromofluorobenzene	12.402	95	194508	39.172	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 78.340%	
Target Compounds						
					Qvalue	
16) Acetone	3.860	43	314	Below Cal	#	41
31) Cyclohexane	7.707	56	6000	1.275	ug/l #	1
36) 1,1-Dichloropropene	7.701	75	22434	4.269	ug/l #	48
38) Carbon Tetrachloride	7.707	117	30554	4.865	ug/l #	17
51) 4-Methyl-2-Pentanone	10.109	43	2451	1.290	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	92423	55.904	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	92423	134.626	ug/l #	16

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

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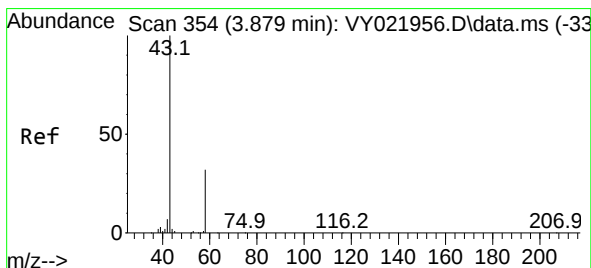
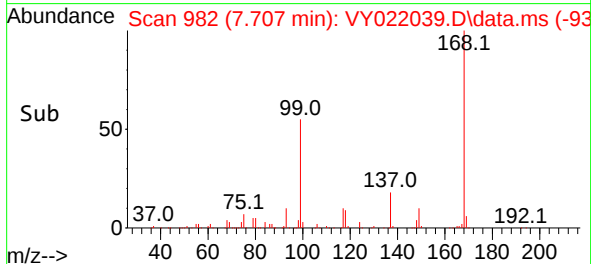
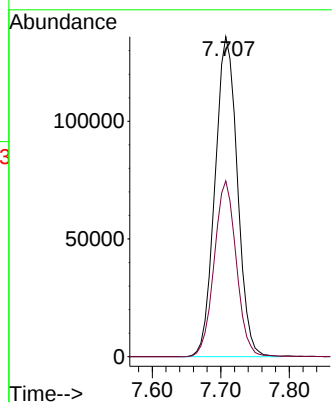
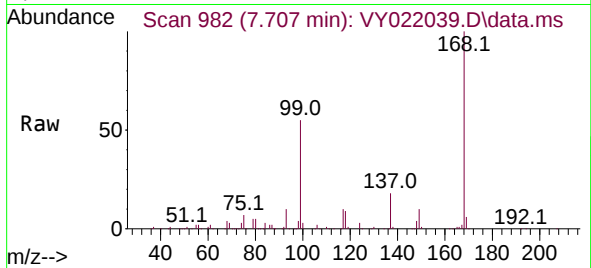




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022039.D
Acq: 28 Apr 2025 18:12

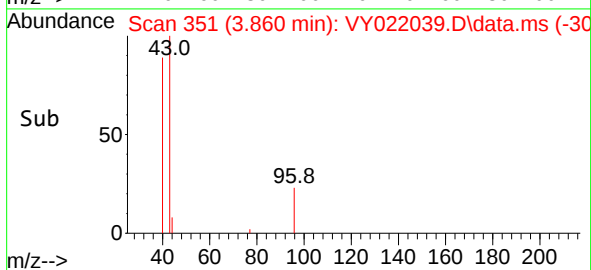
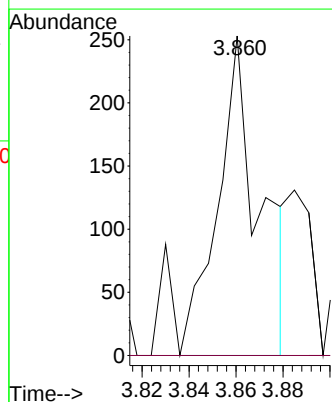
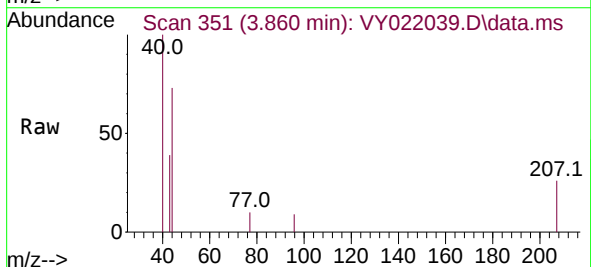
Instrument :
MSVOA_Y
ClientSampleId :
WC-2-VOC

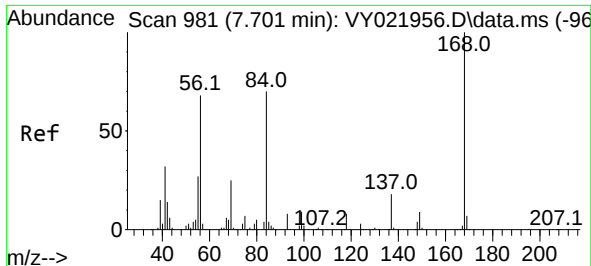
Tgt Ion:168 Resp: 308159
Ion Ratio Lower Upper
168 100
99 54.9 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.860 min Scan# 351
Delta R.T. -0.019 min
Lab File: VY022039.D
Acq: 28 Apr 2025 18:12

Tgt Ion: 43 Resp: 314
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.4#

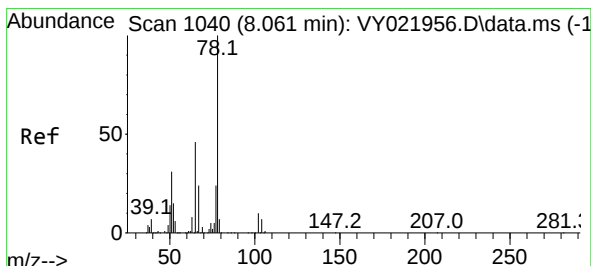
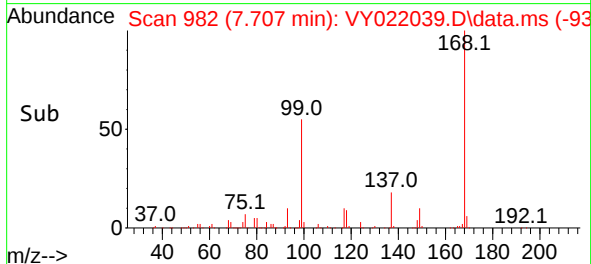
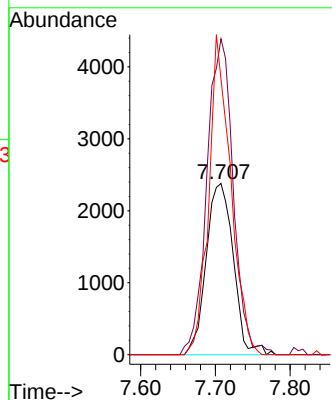
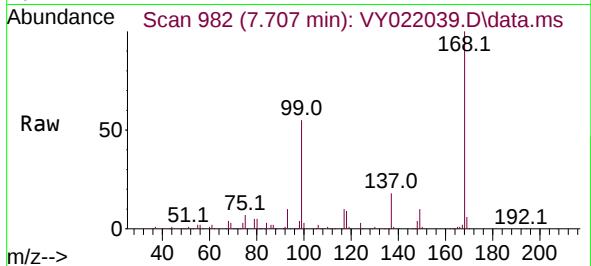




#31
Cyclohexane
Concen: 1.275 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY022039.D
Acq: 28 Apr 2025 18:12

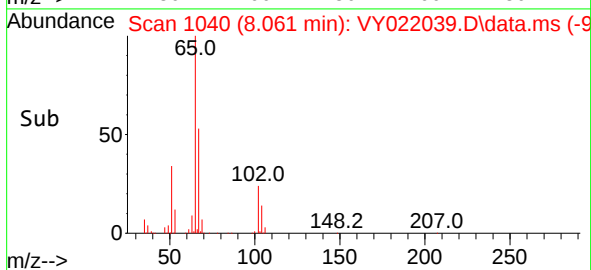
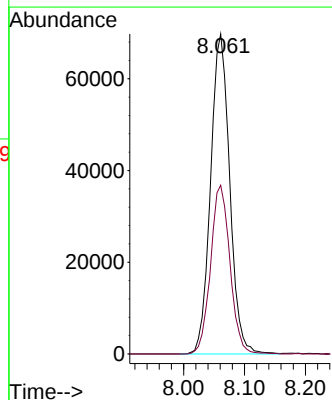
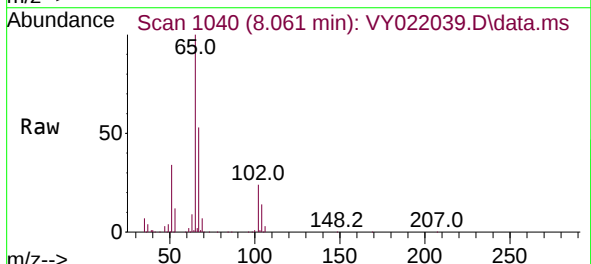
Instrument :
MSVOA_Y
ClientSampleId :
WC-2-VOC

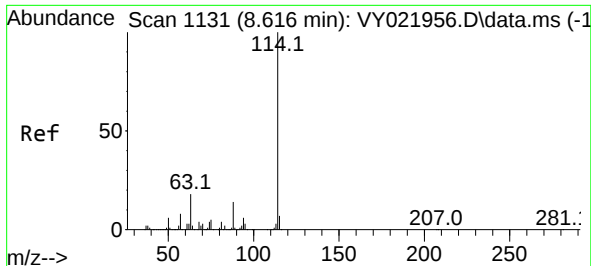
Tgt Ion: 56 Resp: 6000
Ion Ratio Lower Upper
56 100
69 184.4 29.4 44.2#
84 160.8 82.2 123.4#



#33
1,2-Dichloroethane-d4
Concen: 53.454 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022039.D
Acq: 28 Apr 2025 18:12

Tgt Ion: 65 Resp: 152152
Ion Ratio Lower Upper
65 100
67 53.4 0.0 105.8

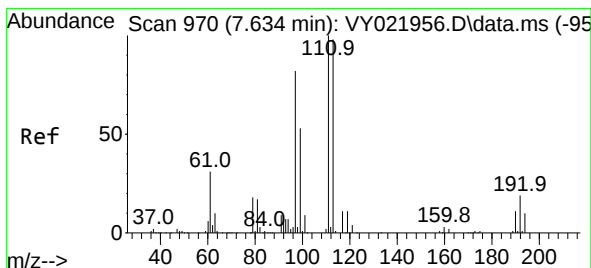
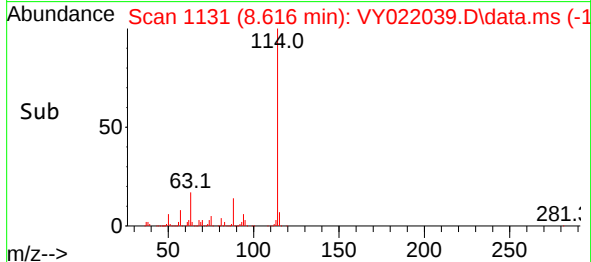
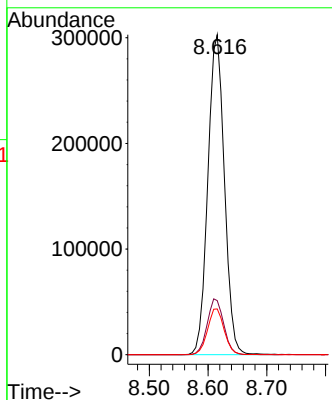
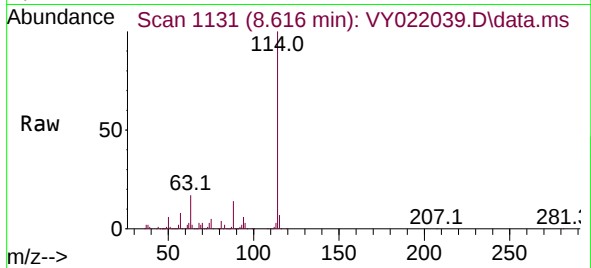




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022039.D
Acq: 28 Apr 2025 18:12

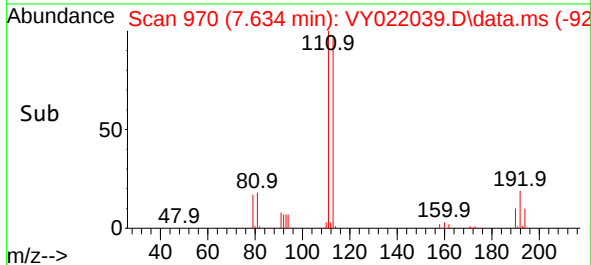
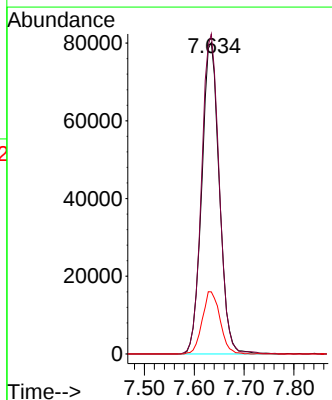
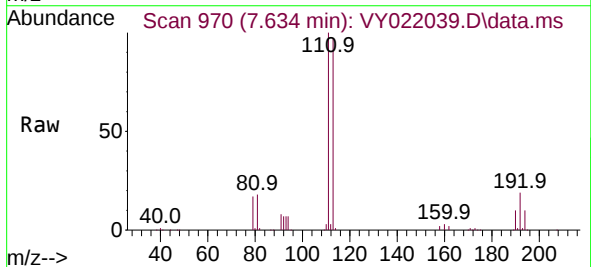
Instrument :
MSVOA_Y
ClientSampleId :
WC-2-VOC

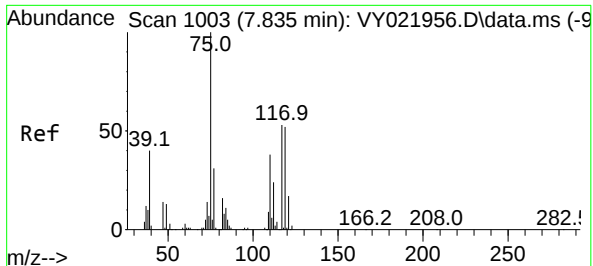
Tgt Ion:114 Resp: 592218
Ion Ratio Lower Upper
114 100
63 16.9 0.0 35.4
88 14.3 0.0 28.2



#35
Dibromofluoromethane
Concen: 50.067 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY022039.D
Acq: 28 Apr 2025 18:12

Tgt Ion:113 Resp: 195889
Ion Ratio Lower Upper
113 100
111 102.5 81.8 122.8
192 20.2 15.6 23.4





#36

1,1-Dichloropropene

Concen: 4.269 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.134 min

Lab File: VY022039.D

Acq: 28 Apr 2025 18:12

Instrument :

MSVOA_Y

ClientSampleId :

WC-2-VOC

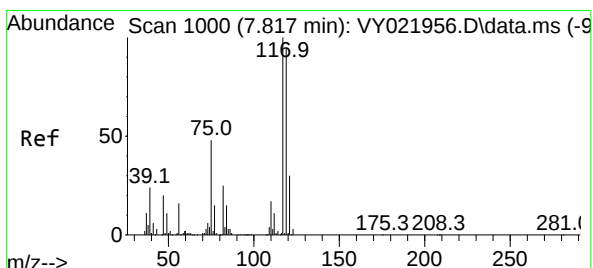
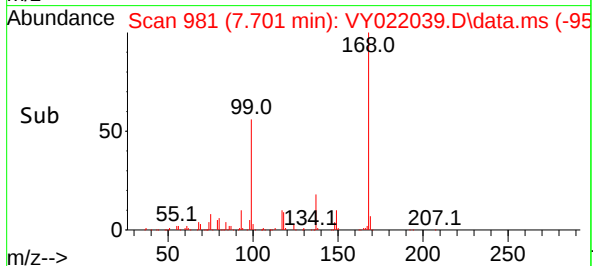
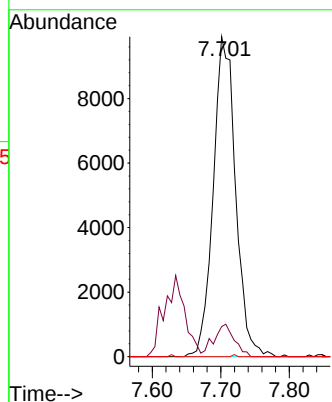
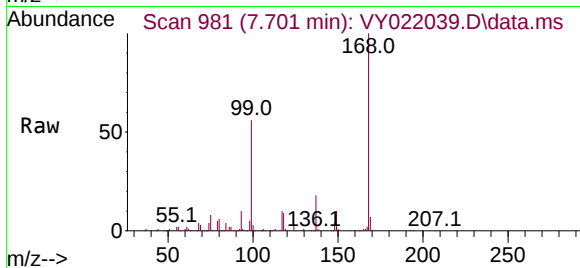
Tgt Ion: 75 Resp: 22434

Ion Ratio Lower Upper

75 100

110 9.3 19.1 57.3#

77 0.1 25.5 38.3#



#38

Carbon Tetrachloride

Concen: 4.865 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY022039.D

Acq: 28 Apr 2025 18:12

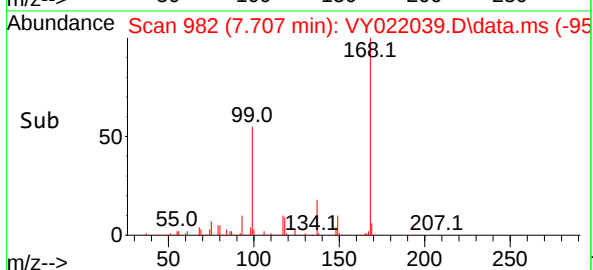
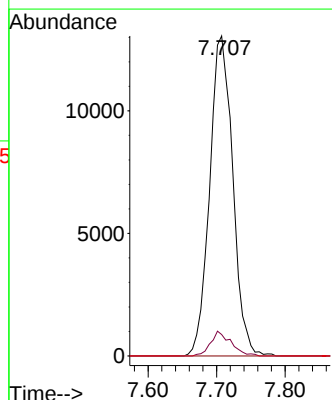
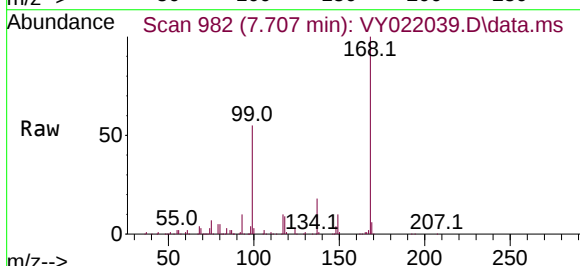
Tgt Ion: 117 Resp: 30554

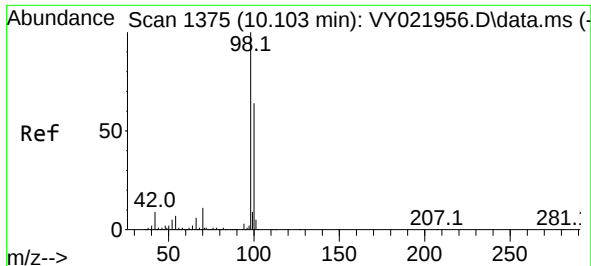
Ion Ratio Lower Upper

117 100

119 6.7 76.2 114.4#

121 0.0 24.0 36.0#

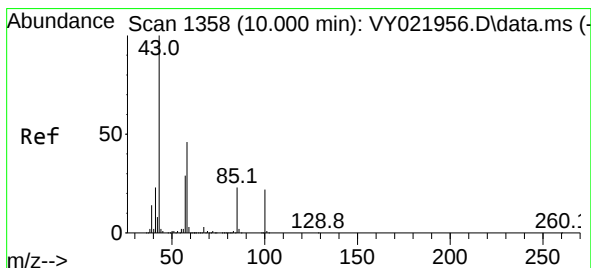
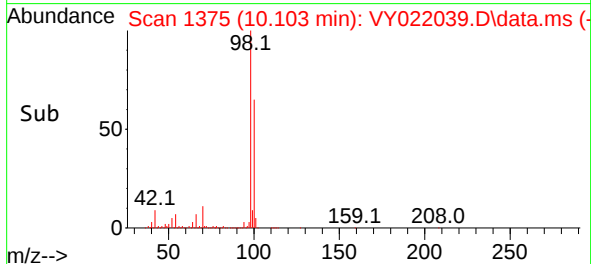
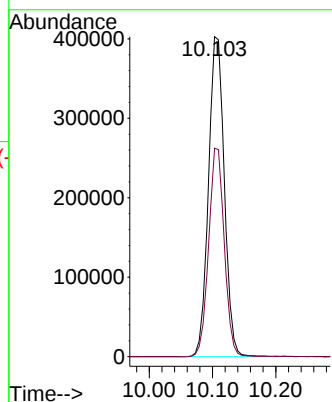
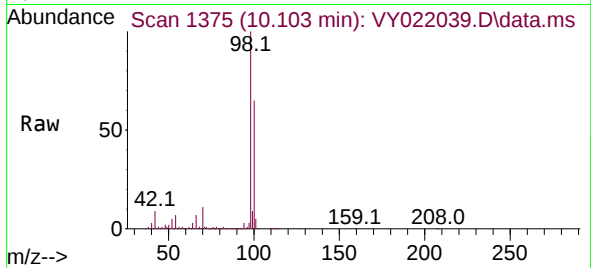




#50
Toluene-d8
Concen: 47.622 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY022039.D
Acq: 28 Apr 2025 18:12

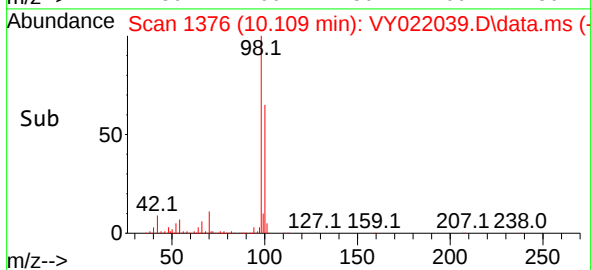
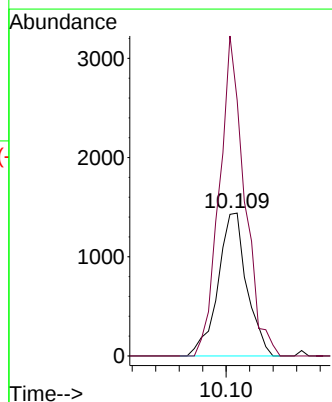
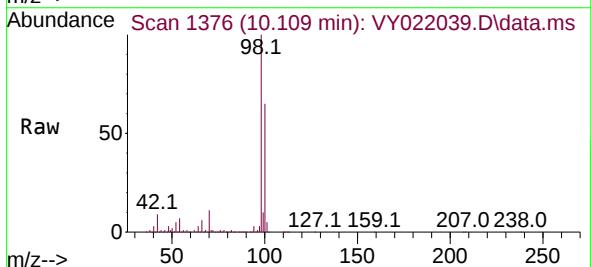
Instrument :
MSVOA_Y
ClientSampleId :
WC-2-VOC

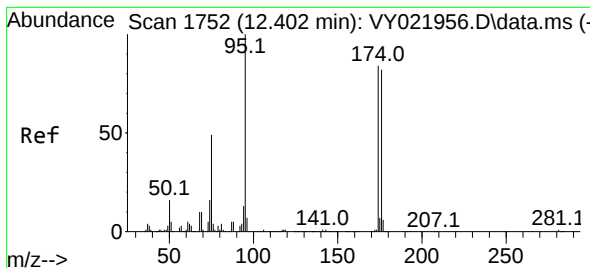
Tgt Ion: 98 Resp: 702425
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.290 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.110 min
Lab File: VY022039.D
Acq: 28 Apr 2025 18:12

Tgt Ion: 43 Resp: 2451
Ion Ratio Lower Upper
43 100
58 196.7 36.6 55.0#

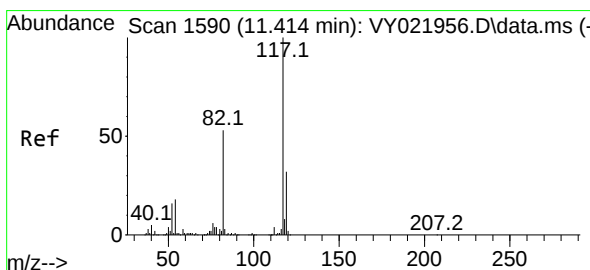
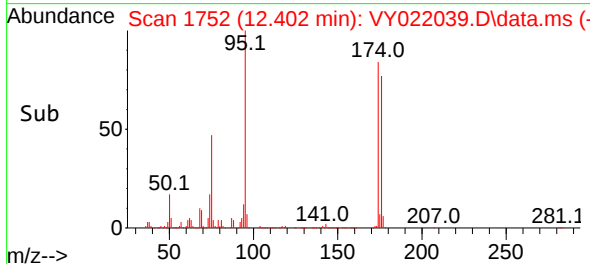
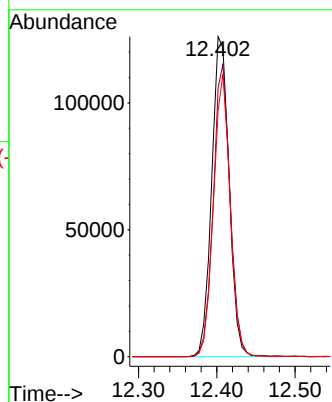
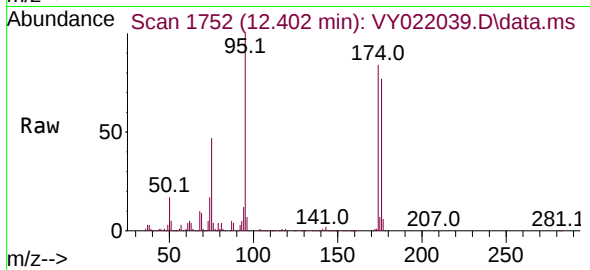




#62
4-Bromofluorobenzene
Concen: 39.172 ug/l
RT: 12.402 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022039.D
Acq: 28 Apr 2025 18:12

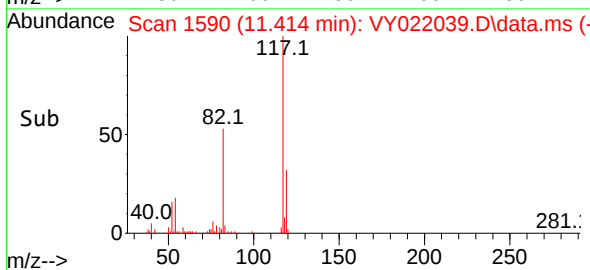
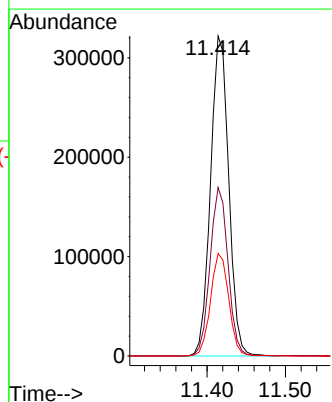
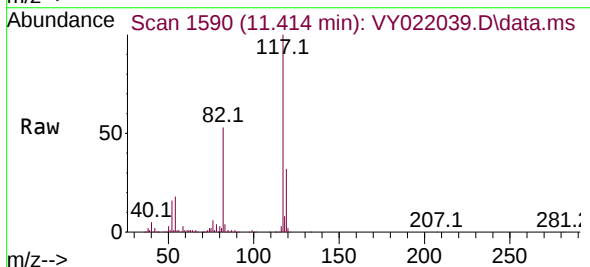
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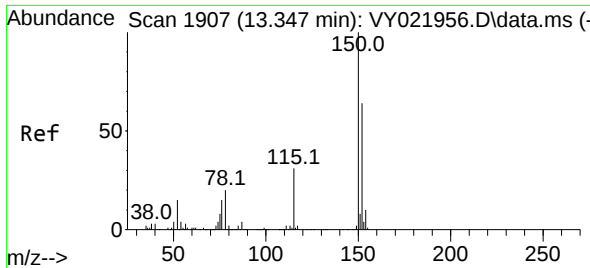
Tgt Ion: 95 Resp: 194508
Ion Ratio Lower Upper
95 100
174 88.7 0.0 179.0
176 84.7 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY022039.D
Acq: 28 Apr 2025 18:12

Tgt Ion: 117 Resp: 518914
Ion Ratio Lower Upper
117 100
82 52.6 42.1 63.1
119 32.0 25.7 38.5

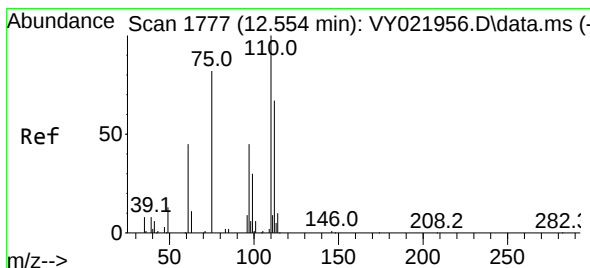
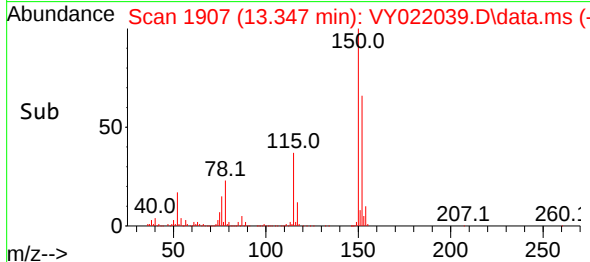
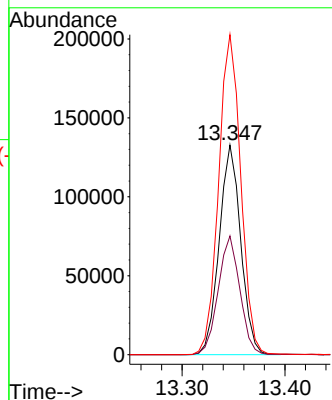
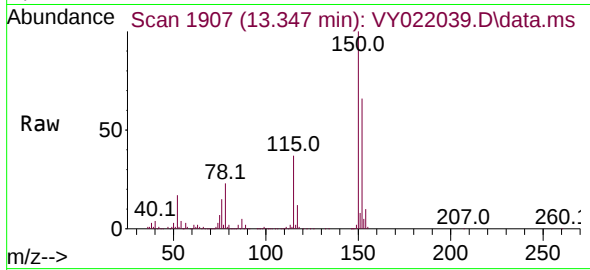




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY022039.D
 Acq: 28 Apr 2025 18:12

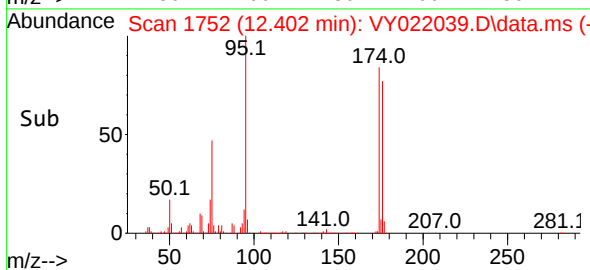
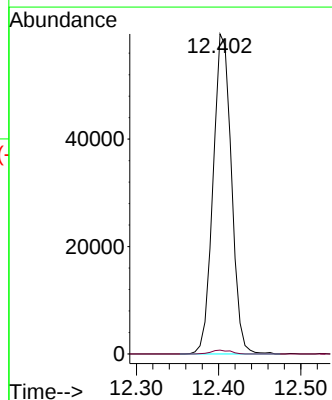
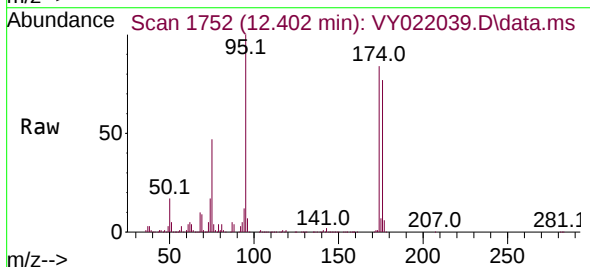
Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-2-VOC

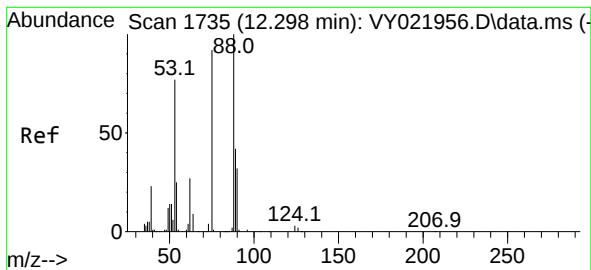
Tgt Ion:152 Resp: 193011
 Ion Ratio Lower Upper
 152 100
 115 57.1 28.0 84.0
 150 156.9 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 55.904 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. -0.152 min
 Lab File: VY022039.D
 Acq: 28 Apr 2025 18:12

Tgt Ion: 75 Resp: 92423
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 134.626 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY022039.D
 Acq: 28 Apr 2025 18:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-2-VOC

Tgt Ion: 75 Resp: 92423
 Ion Ratio Lower Upper
 75 100
 53 0.2 66.0 99.0#
 89 0.0 37.2 55.8#

