

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040925\
 Data File : VY021815.D
 Acq On : 09 Apr 2025 13:40
 Operator : SY/MD
 Sample : Q1712-03
 Misc : 4.44g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 Z-05A-VOC

Quant Time: Apr 10 01:42:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

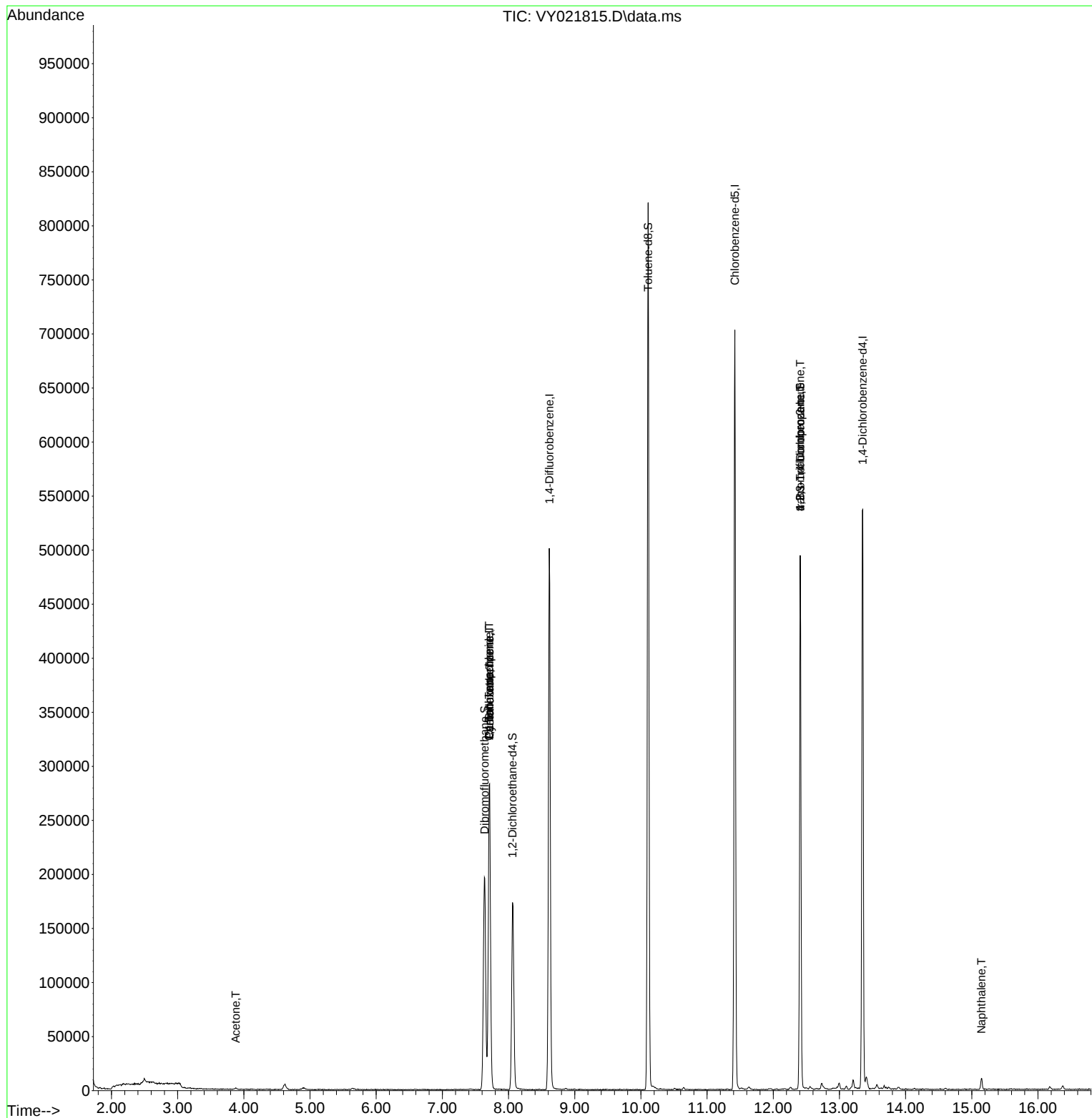
Internal Standards						
1) Pentafluorobenzene	7.713	168	211588	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	408538	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	362077	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	136834	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	139690	60.934	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.860%	
35) Dibromofluoromethane	7.640	113	140358	52.963	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.920%	
50) Toluene-d8	10.109	98	502093	49.802	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.600%	
62) 4-Bromofluorobenzene	12.408	95	142883	41.899	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 83.800%	
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	1551	3.306	ug/l #	74
20) Methylene Chloride	4.628	84	3434	Below Cal	#	87
31) Cyclohexane	7.713	56	5385	1.331	ug/l #	11
36) 1,1-Dichloropropene	7.707	75	17684	4.381	ug/l #	52
38) Carbon Tetrachloride	7.707	117	22458	4.858	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	74044	54.590	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	74044	125.784	ug/l #	12
95) Naphthalene	15.145	128	7770	2.065	ug/l #	95

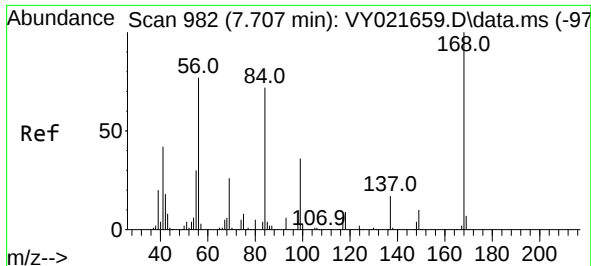
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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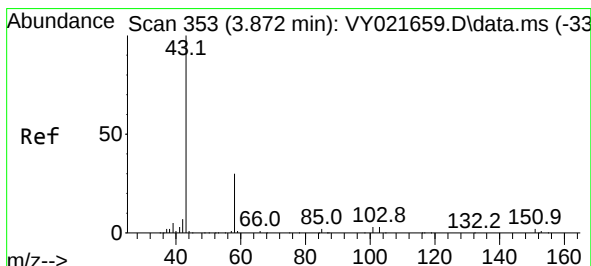
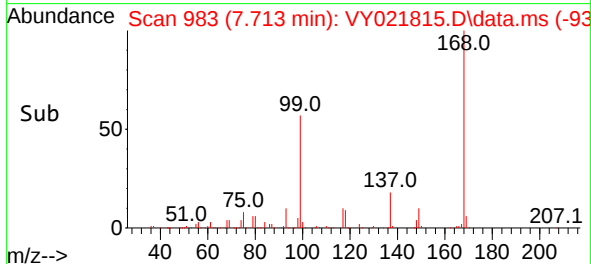
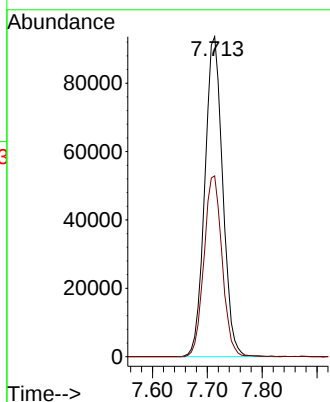
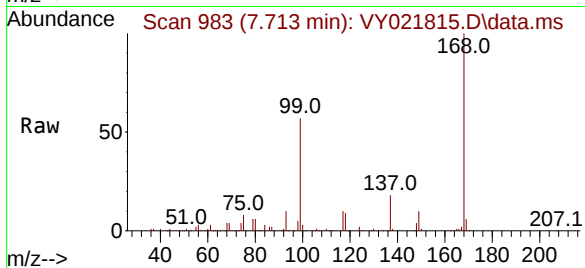




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021815.D
Acq: 09 Apr 2025 13:40

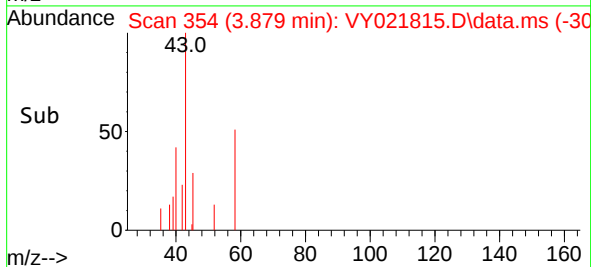
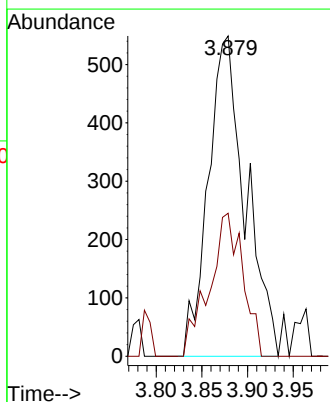
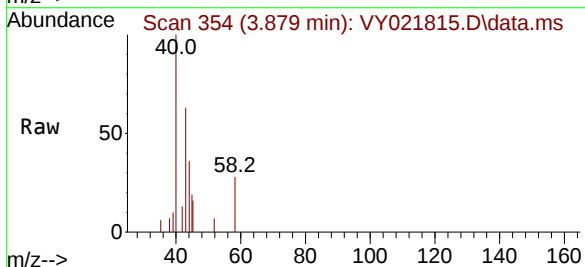
Instrument :
MSVOA_Y
ClientSampleId :
Z-05A-VOC

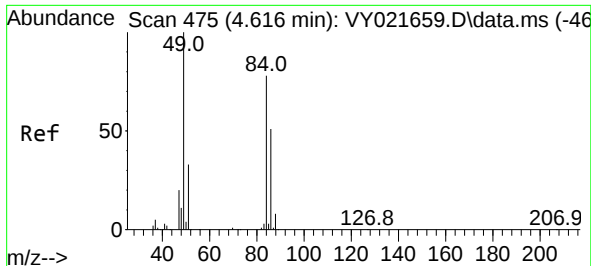
Tgt Ion:168 Resp: 211588
Ion Ratio Lower Upper
168 100
99 56.5 46.7 70.1



#16
Acetone
Concen: 3.306 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY021815.D
Acq: 09 Apr 2025 13:40

Tgt Ion: 43 Resp: 1551
Ion Ratio Lower Upper
43 100
58 44.6 24.2 36.4#

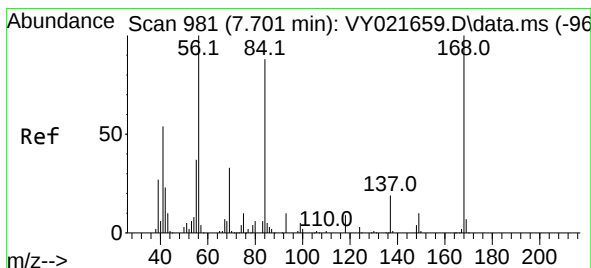
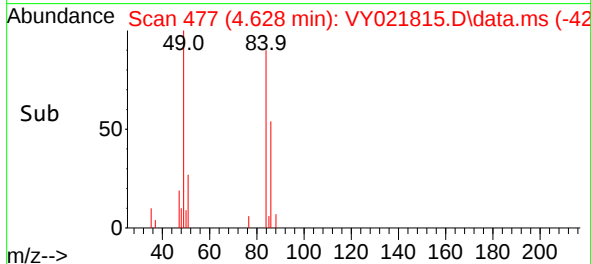
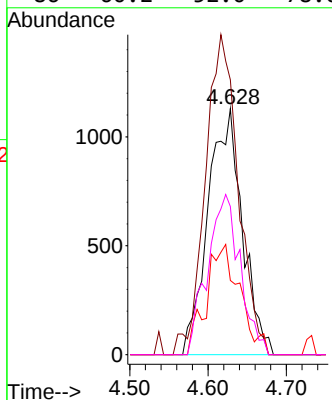
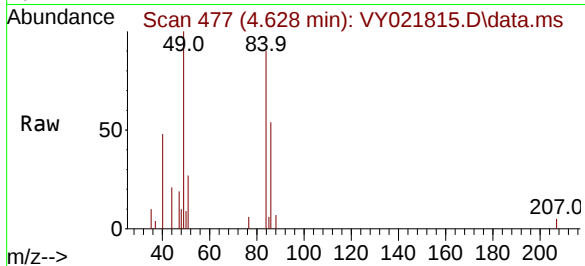




#20
Methylene Chloride
Concen: Below Cal
RT: 4.628 min Scan# 41
Delta R.T. 0.013 min
Lab File: VY021815.D
Acq: 09 Apr 2025 13:40

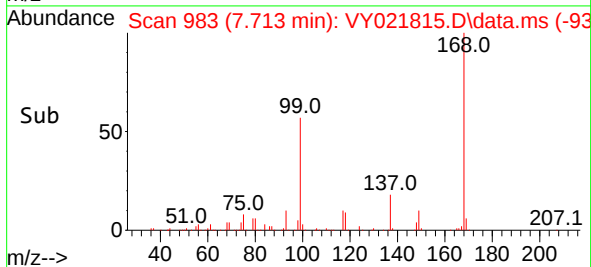
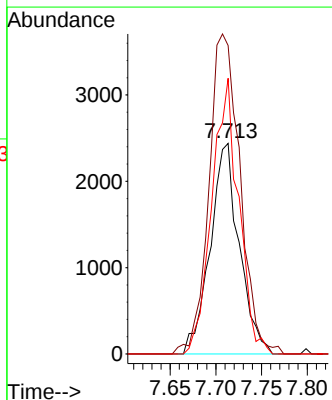
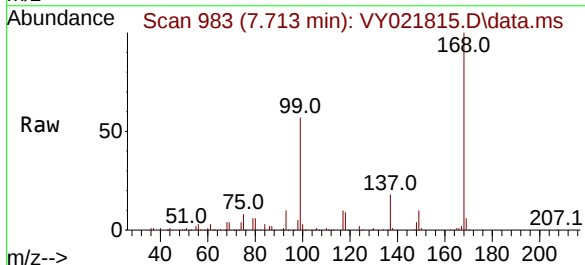
Instrument :
MSVOA_Y
ClientSampleId :
Z-05A-VOC

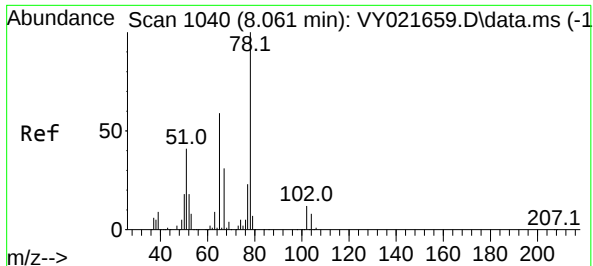
Tgt Ion:	84	Resp:	3434
Ion	Ratio	Lower	Upper
84	100		
49	111.7	102.8	154.2
51	30.2	33.5	50.3#
86	60.2	52.0	78.0



#31
Cyclohexane
Concen: 1.331 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY021815.D
Acq: 09 Apr 2025 13:40

Tgt Ion:	56	Resp:	5385
Ion	Ratio	Lower	Upper
56	100		
69	143.2	26.6	40.0#
84	130.9	69.0	103.4#





#33

1,2-Dichloroethane-d4

Concen: 60.934 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY021815.D

Acq: 09 Apr 2025 13:40

Instrument :

MSVOA_Y

ClientSampleId :

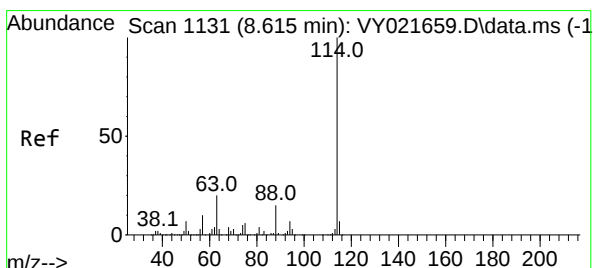
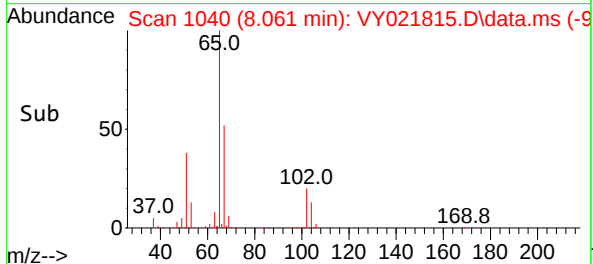
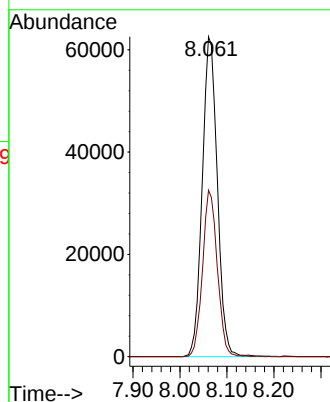
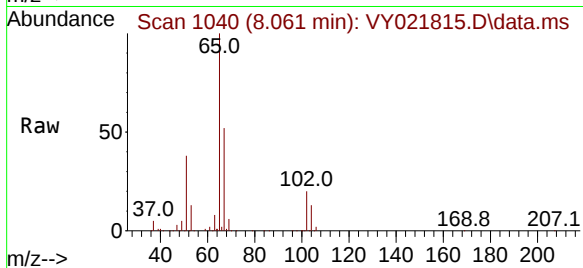
Z-05A-VOC

Tgt Ion: 65 Resp: 139690

Ion Ratio Lower Upper

65 100

67 50.9 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021815.D

Acq: 09 Apr 2025 13:40

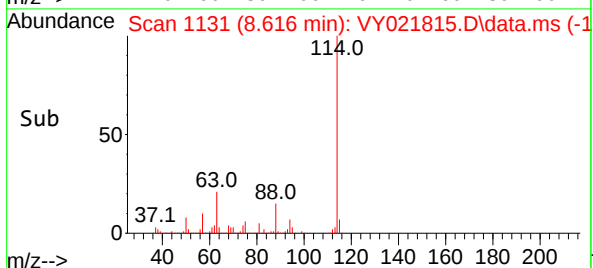
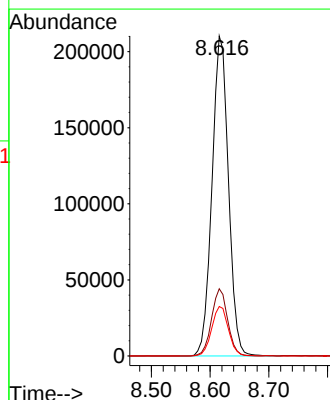
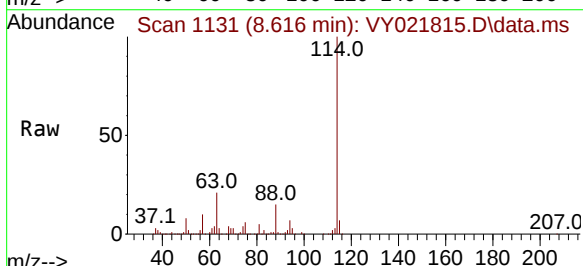
Tgt Ion: 114 Resp: 408538

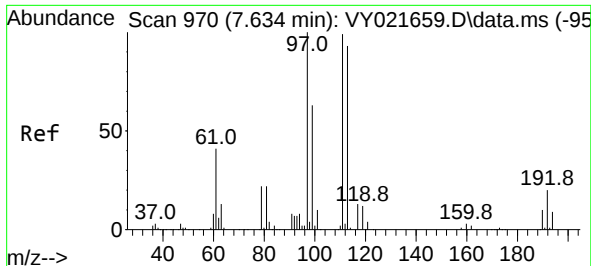
Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.2

88 15.5 0.0 29.8

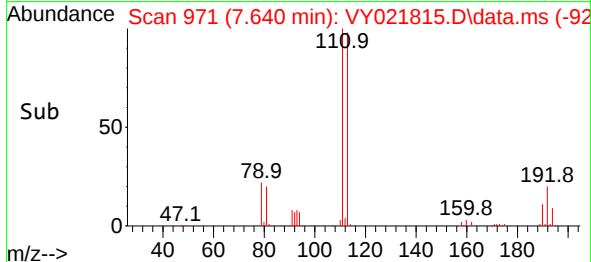
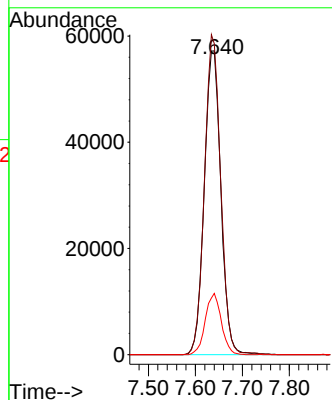
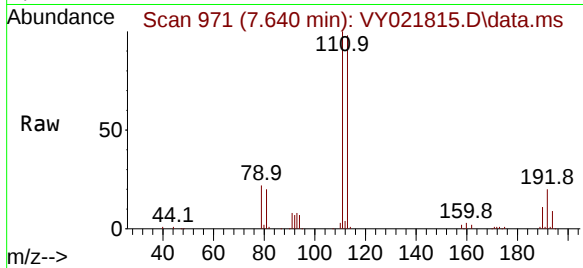




#35
Dibromofluoromethane
Concen: 52.963 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021815.D
Acq: 09 Apr 2025 13:40

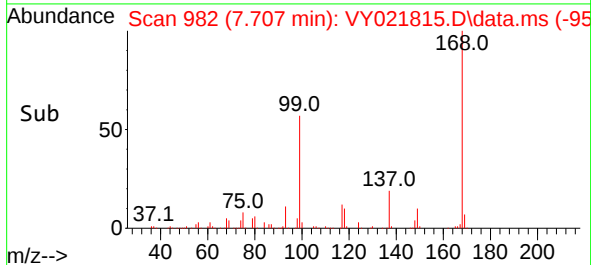
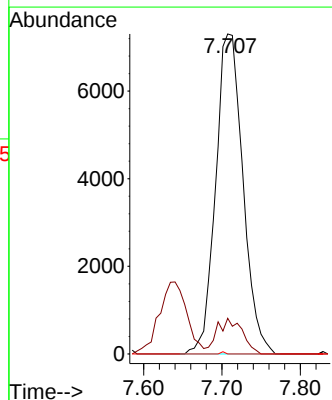
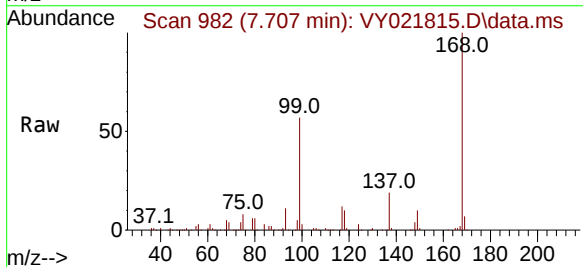
Instrument :
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ClientSampleId :
Z-05A-VOC

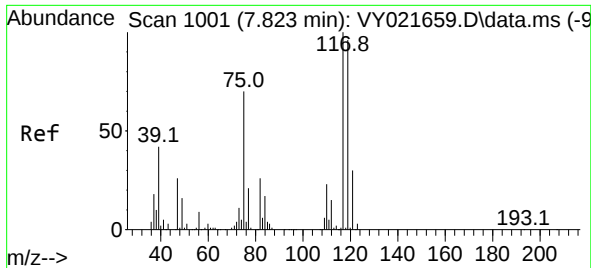
Tgt Ion:113 Resp: 140358
Ion Ratio Lower Upper
113 100
111 102.6 82.6 123.8
192 19.5 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.381 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021815.D
Acq: 09 Apr 2025 13:40

Tgt Ion: 75 Resp: 17684
Ion Ratio Lower Upper
75 100
110 10.3 17.0 50.9#
77 0.1 24.8 37.2#

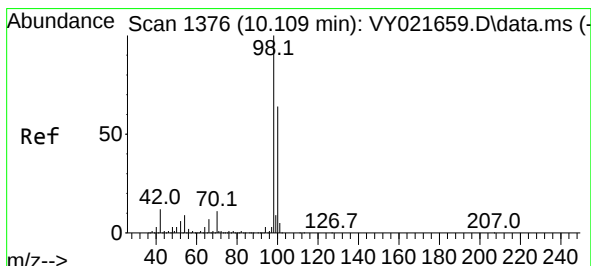
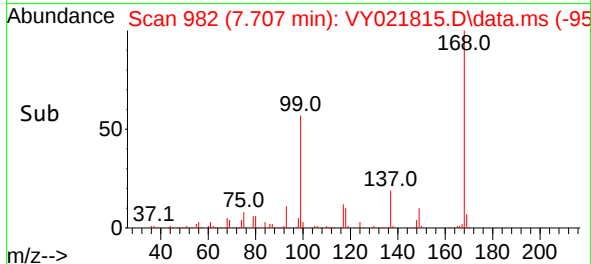
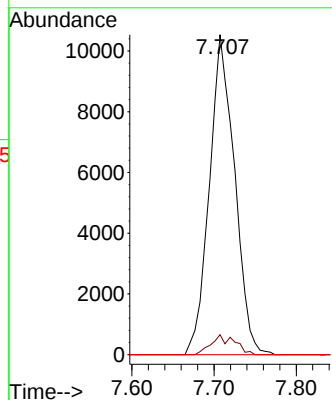
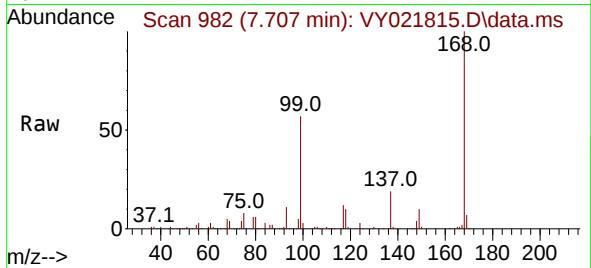




#38
Carbon Tetrachloride
Concen: 4.858 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.116 min
Lab File: VY021815.D
Acq: 09 Apr 2025 13:40

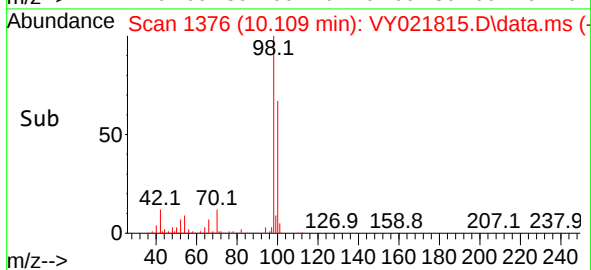
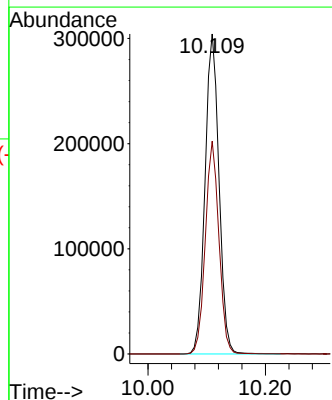
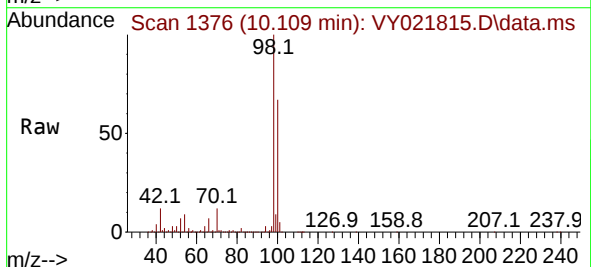
Instrument :
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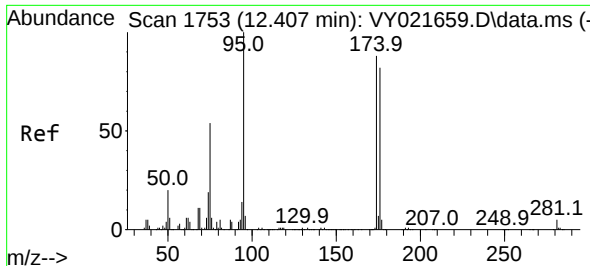
Tgt Ion:117 Resp: 22458
Ion Ratio Lower Upper
117 100
119 6.3 76.2 114.4#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 49.802 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021815.D
Acq: 09 Apr 2025 13:40

Tgt Ion: 98 Resp: 502093
Ion Ratio Lower Upper
98 100
100 64.9 52.1 78.1

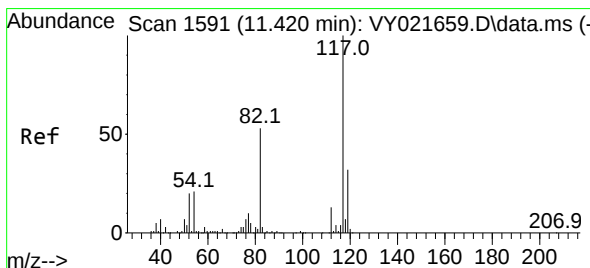
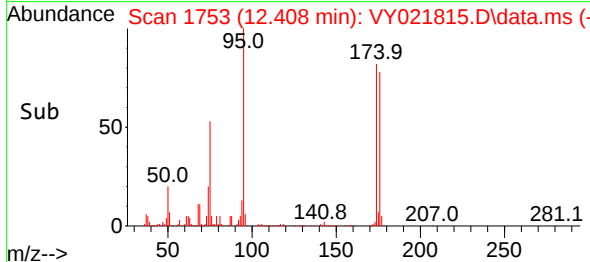
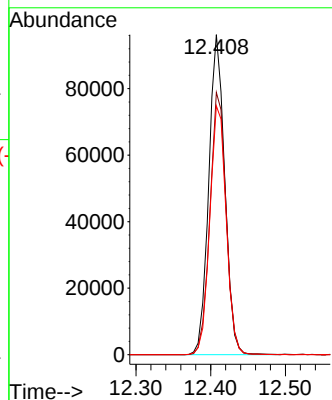
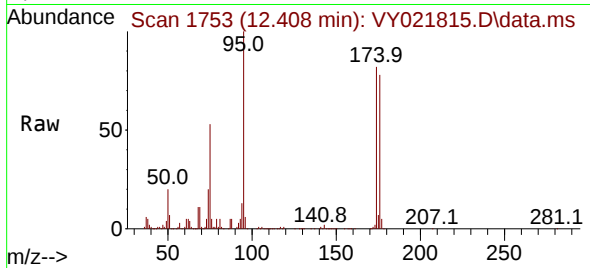




#62
4-Bromofluorobenzene
Concen: 41.899 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021815.D
Acq: 09 Apr 2025 13:40

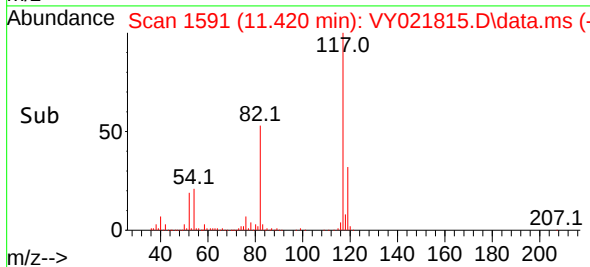
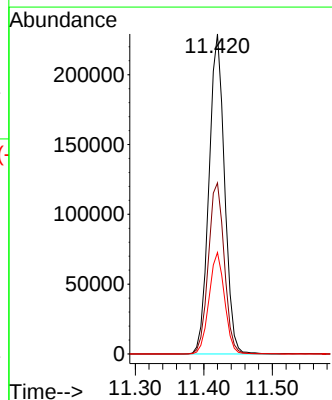
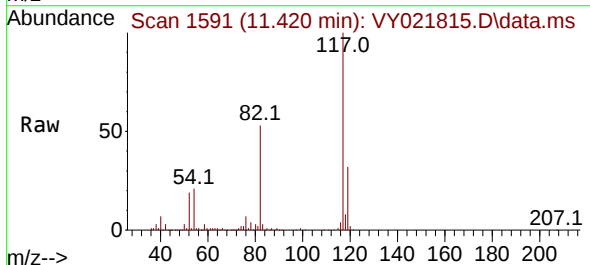
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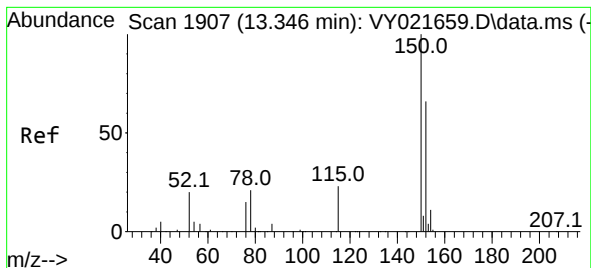
Tgt Ion: 95 Resp: 142883
Ion Ratio Lower Upper
95 100
174 83.3 0.0 170.8
176 79.6 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY021815.D
Acq: 09 Apr 2025 13:40

Tgt Ion: 117 Resp: 362077
Ion Ratio Lower Upper
117 100
82 53.4 42.8 64.2
119 31.7 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY021815.D

Acq: 09 Apr 2025 13:40

Instrument :

MSVOA_Y

ClientSampleId :

Z-05A-VOC

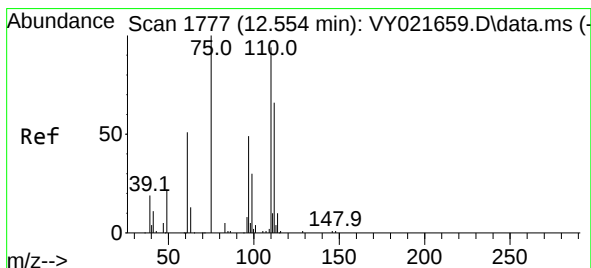
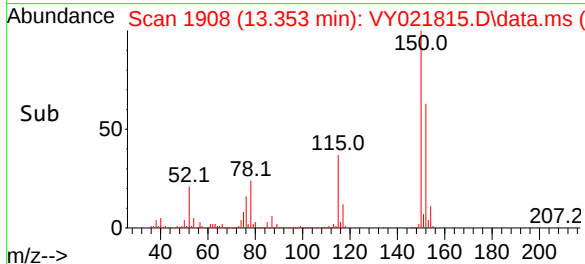
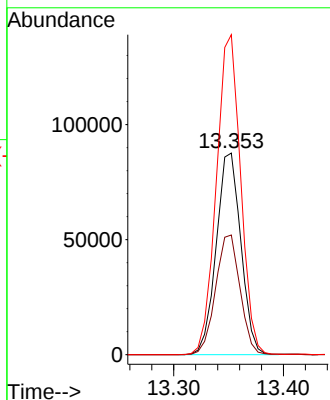
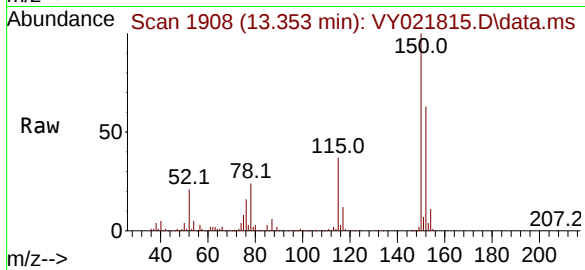
Tgt Ion:152 Resp: 136834

Ion Ratio Lower Upper

152 100

115 59.1 28.8 86.5

150 156.4 0.0 348.4



#76

1,2,3-Trichloropropane

Concen: 54.590 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY021815.D

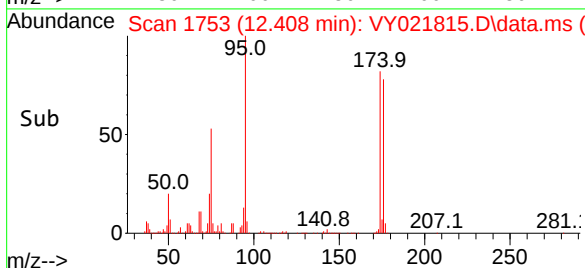
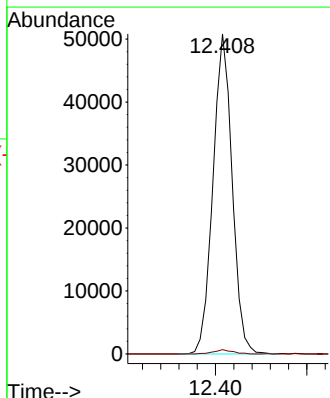
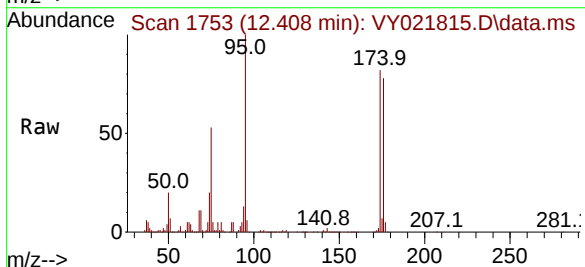
Acq: 09 Apr 2025 13:40

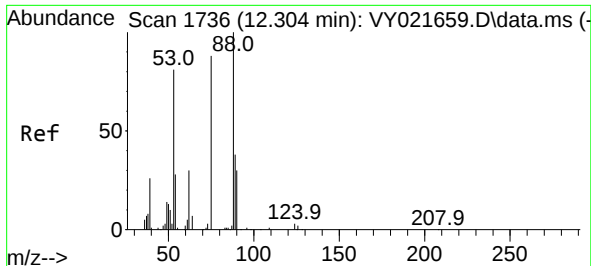
Tgt Ion: 75 Resp: 74044

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

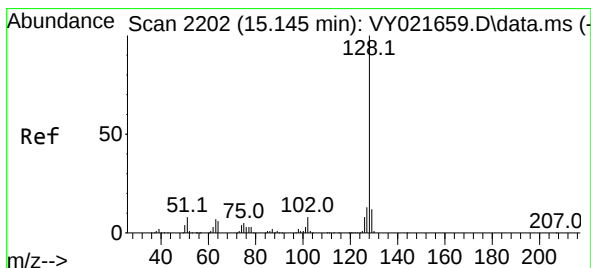
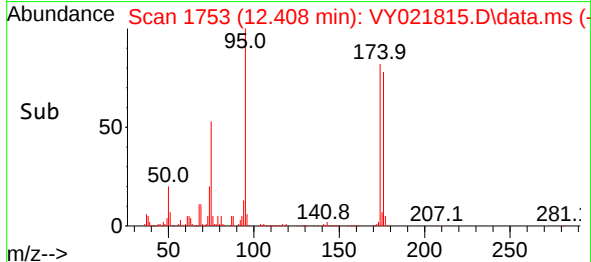
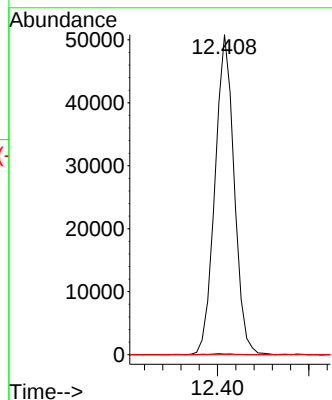
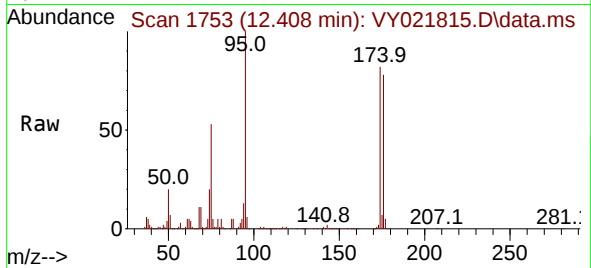




#81
trans-1,4-Dichloro-2-butene
Concen: 125.784 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021815.D
Acq: 09 Apr 2025 13:40

Instrument :
MSVOA_Y
ClientSampleId :
Z-05A-VOC

Tgt Ion: 75 Resp: 74044
Ion Ratio Lower Upper
75 100
53 0.4 76.1 114.1#
89 0.0 36.2 54.4#



#95
Naphthalene
Concen: 2.065 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: VY021815.D
Acq: 09 Apr 2025 13:40

Tgt Ion: 128 Resp: 7770
Ion Ratio Lower Upper
128 100
127 17.0 10.8 16.2#
129 11.3 8.8 13.2

