

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042825\
 Data File : VY022037.D
 Acq On : 28 Apr 2025 17:25
 Operator : SY/MD
 Sample : Q1891-07
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-D-VOC

Quant Time: Apr 29 03:55:28 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)

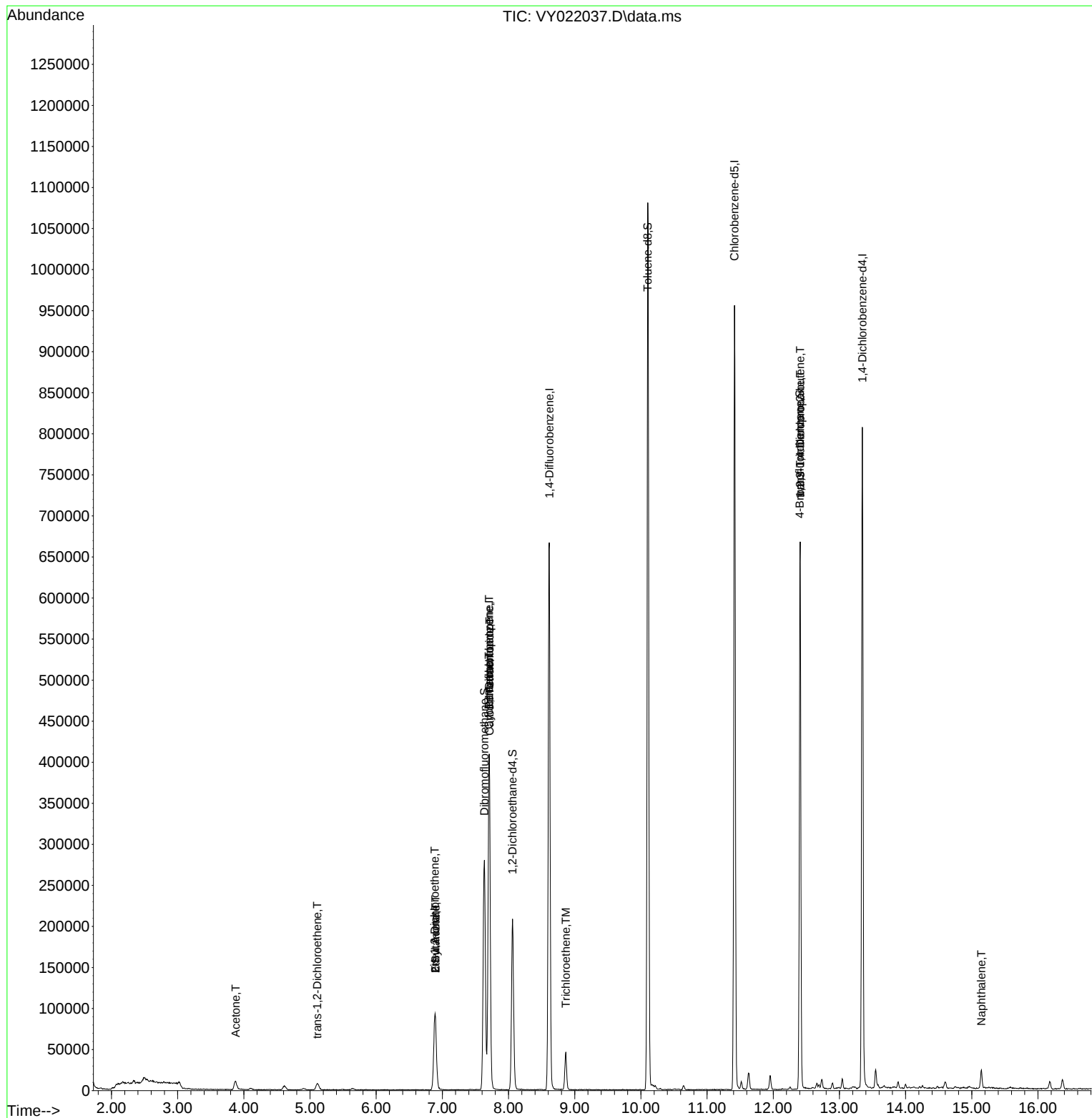
Internal Standards						
1) Pentafluorobenzene	7.707	168	325898	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	600876	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	540553	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	215571	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	160093	53.182	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.360%	
35) Dibromofluoromethane	7.634	113	203179	51.182	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.360%	
50) Toluene-d8	10.103	98	722448	48.273	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.540%	
62) 4-Bromofluorobenzene	12.401	95	213758	42.428	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 84.860%	
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	18609	28.285	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	6075	1.674	ug/l	96
25) 2-Butanone	6.896	43	5495	8.008	ug/l	93
27) cis-1,2-Dichloroethene	6.884	96	63163	15.569	ug/l	90
31) Cyclohexane	7.701	56	6024	1.211	ug/l #	5
36) 1,1-Dichloropropene	7.707	75	23923	4.486	ug/l #	48
37) Ethyl Acetate	6.896	43	5495	2.869	ug/l #	1
38) Carbon Tetrachloride	7.713	117	32216	5.056	ug/l #	16
44) Trichloroethene	8.866	130	16118	3.491	ug/l	97
76) 1,2,3-Trichloropropane	12.408	75	101247	54.833	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	101247	132.045	ug/l #	16
95) Naphthalene	15.145	128	18889	3.113	ug/l	99

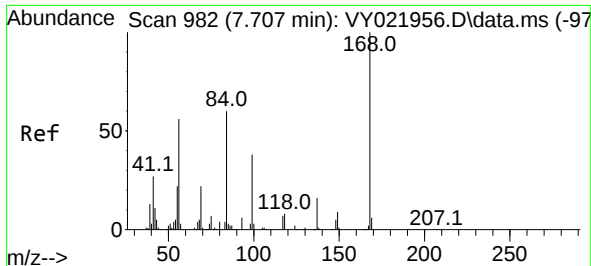
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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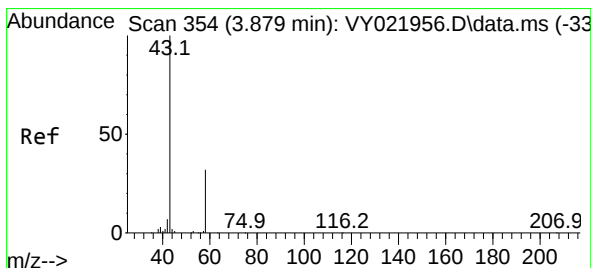
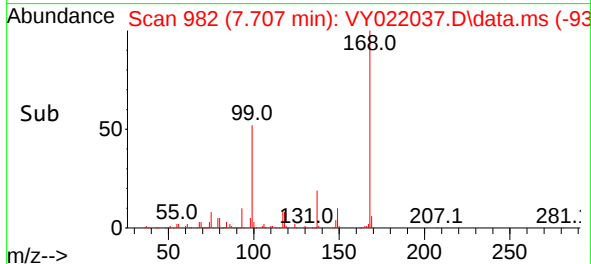
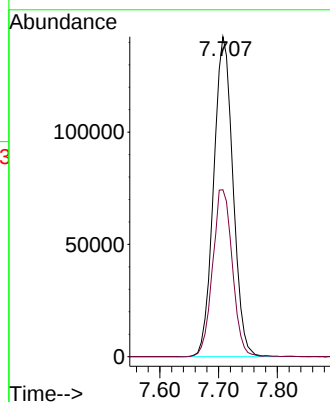
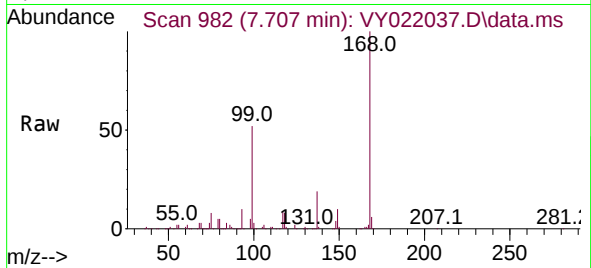




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022037.D
Acq: 28 Apr 2025 17:25

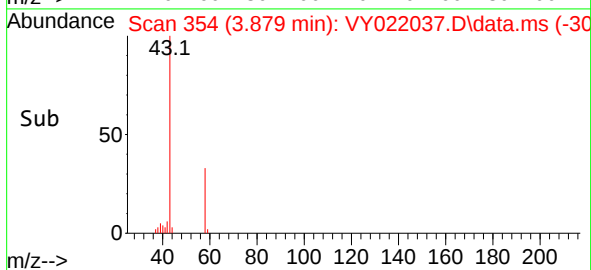
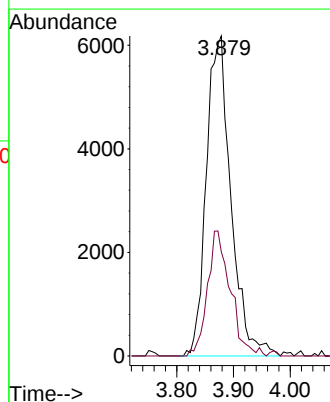
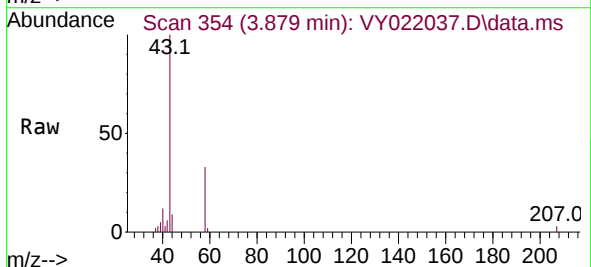
Instrument :
MSVOA_Y
ClientSampleId :
MH-D-VOC

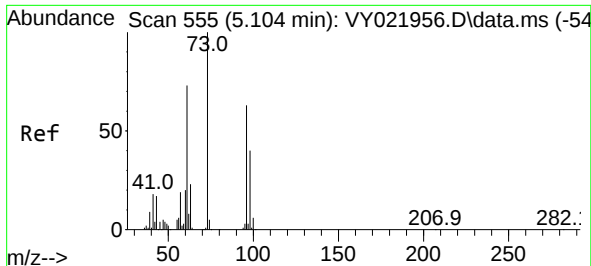
Tgt Ion:168 Resp: 325898
Ion Ratio Lower Upper
168 100
99 52.1 43.1 64.7



#16
Acetone
Concen: 28.285 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022037.D
Acq: 28 Apr 2025 17:25

Tgt Ion: 43 Resp: 18609
Ion Ratio Lower Upper
43 100
58 32.5 27.0 40.4

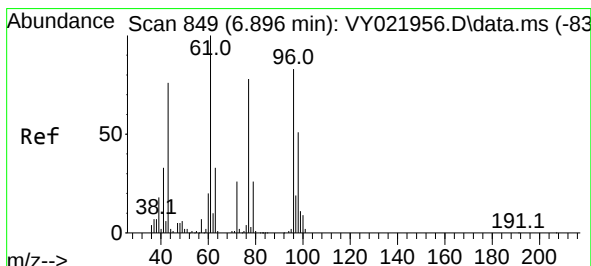
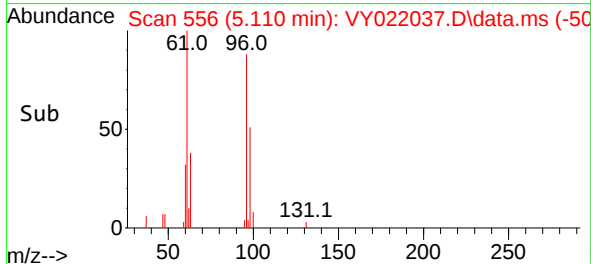
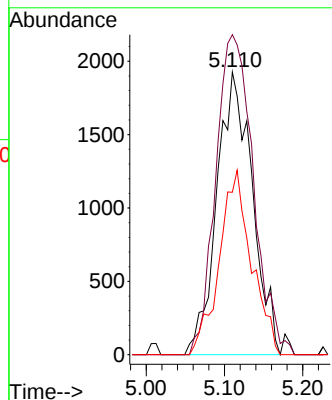
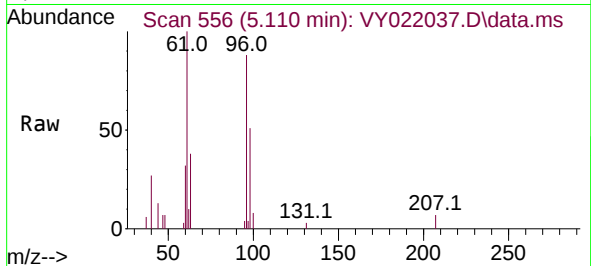




#21
trans-1,2-Dichloroethene
Concen: 1.674 ug/l
RT: 5.110 min Scan# 511
Delta R.T. 0.006 min
Lab File: VY022037.D
Acq: 28 Apr 2025 17:25

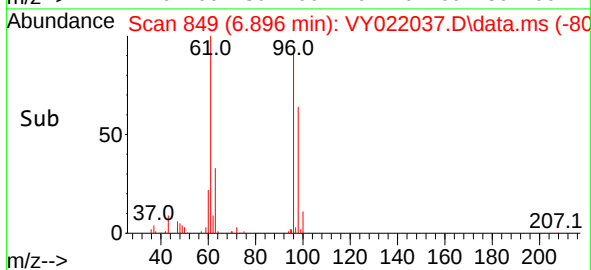
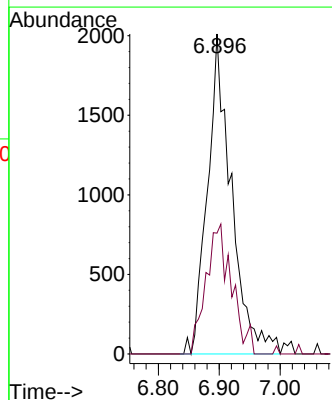
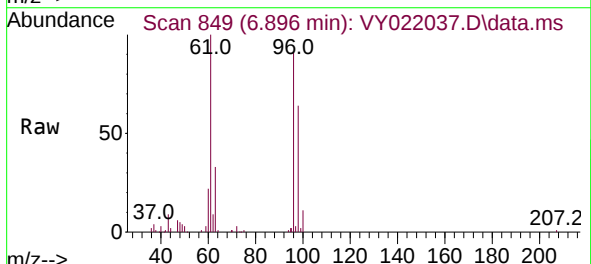
Instrument :
MSVOA_Y
ClientSampleId :
MH-D-VOC

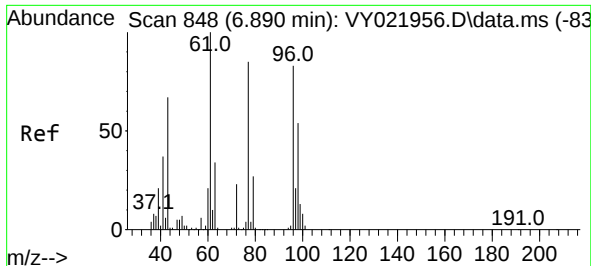
Tgt Ion: 96 Resp: 6075
Ion Ratio Lower Upper
96 100
61 113.2 92.6 138.8
98 57.4 50.2 75.4



#25
2-Butanone
Concen: 8.008 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.000 min
Lab File: VY022037.D
Acq: 28 Apr 2025 17:25

Tgt Ion: 43 Resp: 5495
Ion Ratio Lower Upper
43 100
72 37.7 27.0 40.4

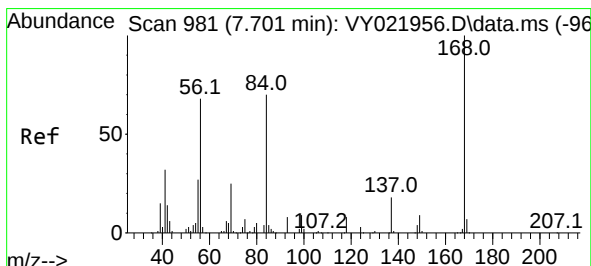
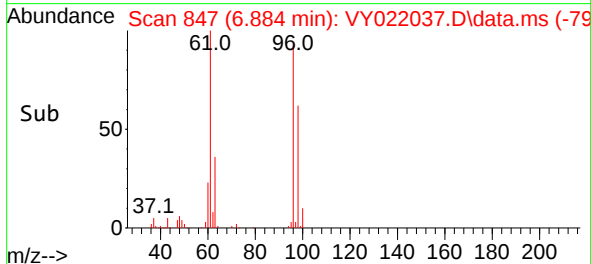
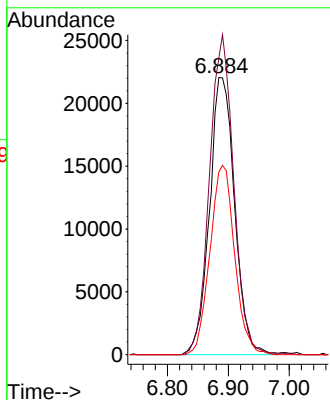
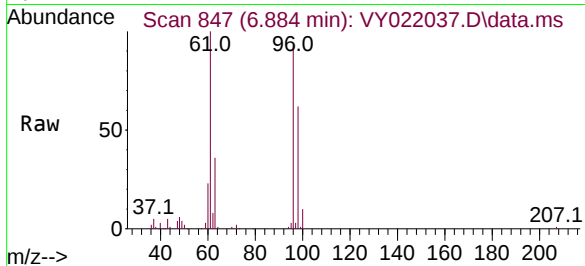




#27
 cis-1,2-Dichloroethene
 Concen: 15.569 ug/l
 RT: 6.884 min Scan# 848
 Delta R.T. -0.006 min
 Lab File: VY022037.D
 Acq: 28 Apr 2025 17:25

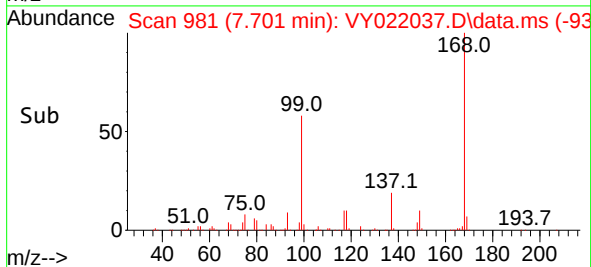
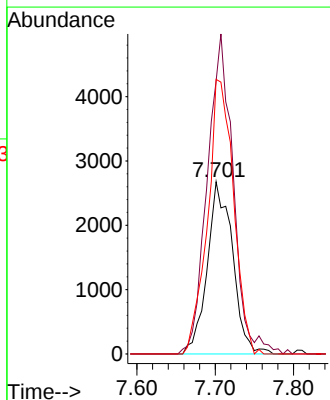
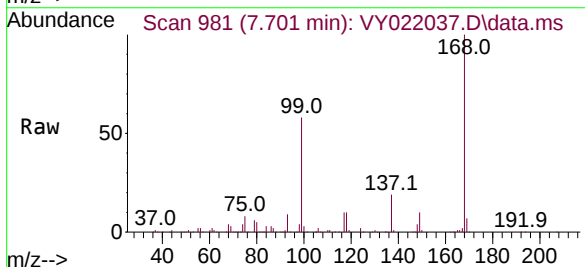
Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-D-VOC

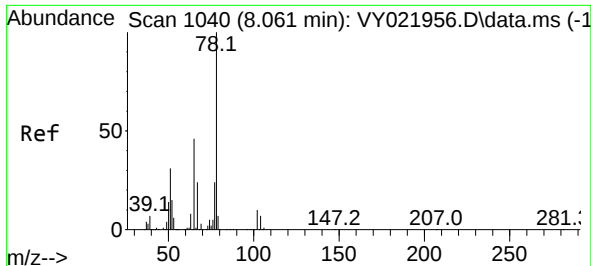
Tgt Ion: 96 Resp: 63163
 Ion Ratio Lower Upper
 96 100
 61 111.0 0.0 251.4
 98 67.3 0.0 128.4



#31
 Cyclohexane
 Concen: 1.211 ug/l
 RT: 7.701 min Scan# 981
 Delta R.T. -0.000 min
 Lab File: VY022037.D
 Acq: 28 Apr 2025 17:25

Tgt Ion: 56 Resp: 6024
 Ion Ratio Lower Upper
 56 100
 69 158.5 29.4 44.2#
 84 159.4 82.2 123.4#





#33

1,2-Dichloroethane-d4

Concen: 53.182 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. -0.000 min

Lab File: VY022037.D

Acq: 28 Apr 2025 17:25

Instrument :

MSVOA_Y

ClientSampleId :

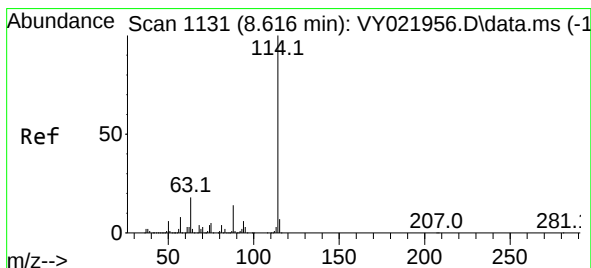
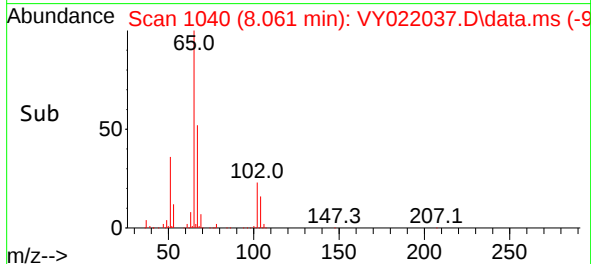
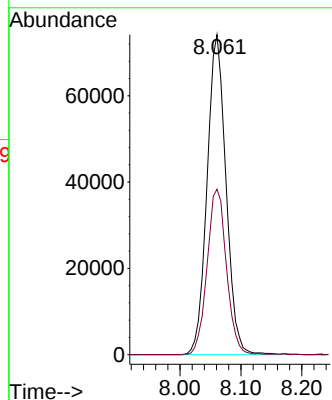
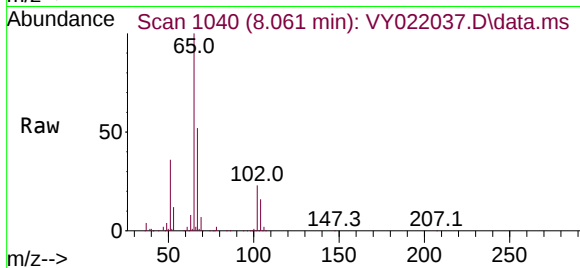
MH-D-VOC

Tgt Ion: 65 Resp: 160093

Ion Ratio Lower Upper

65 100

67 52.9 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: VY022037.D

Acq: 28 Apr 2025 17:25

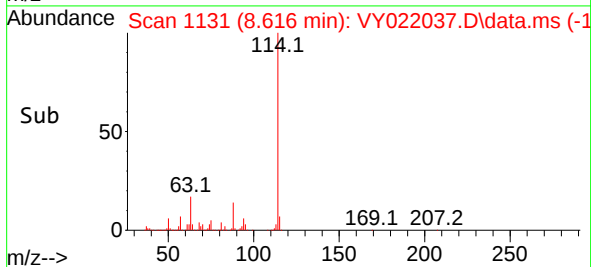
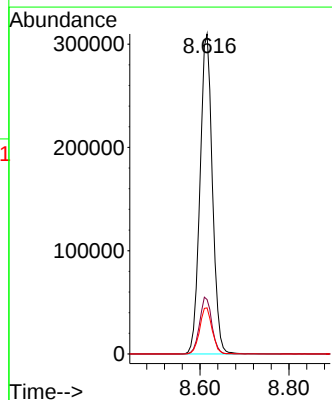
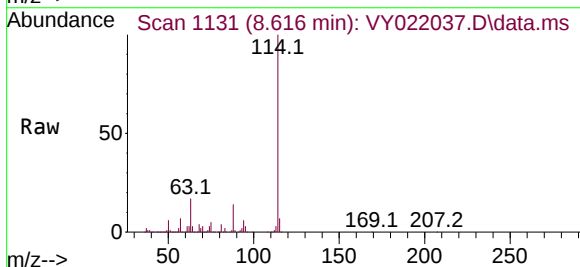
Tgt Ion: 114 Resp: 600876

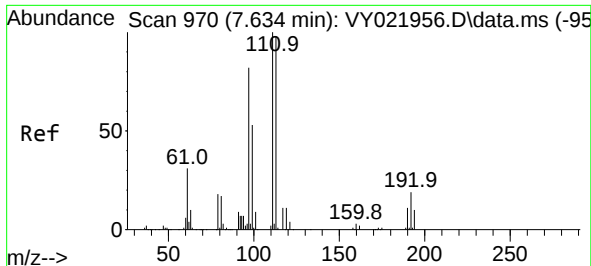
Ion Ratio Lower Upper

114 100

63 17.0 0.0 35.4

88 14.4 0.0 28.2

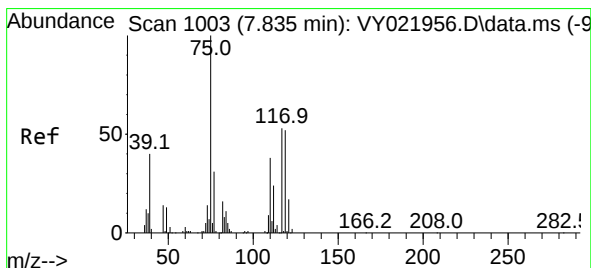
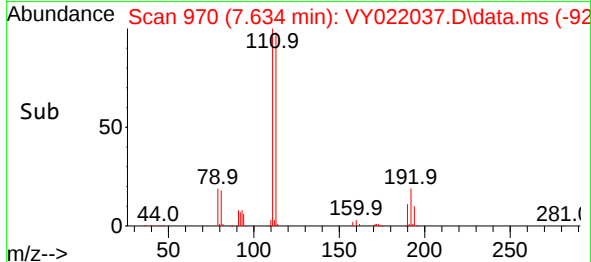
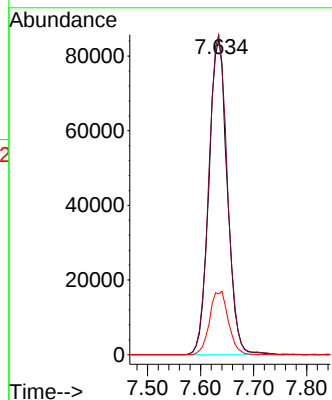
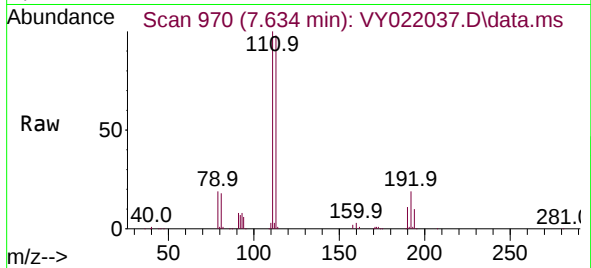




#35
Dibromofluoromethane
Concen: 51.182 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022037.D
Acq: 28 Apr 2025 17:25

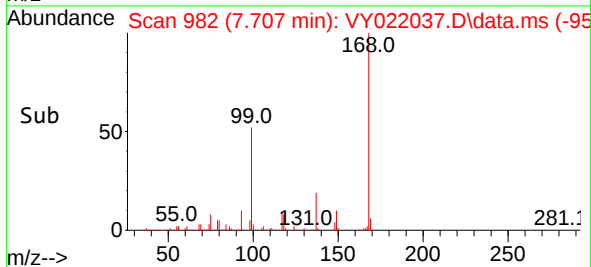
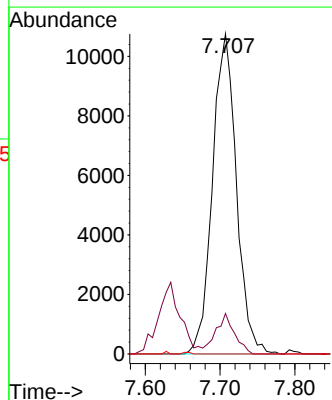
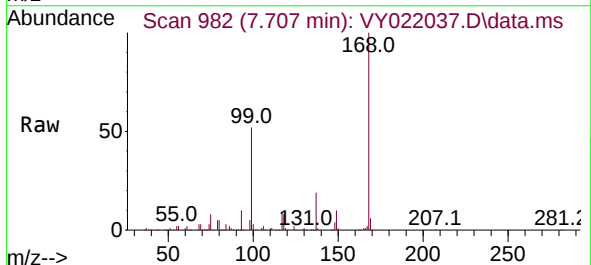
Instrument :
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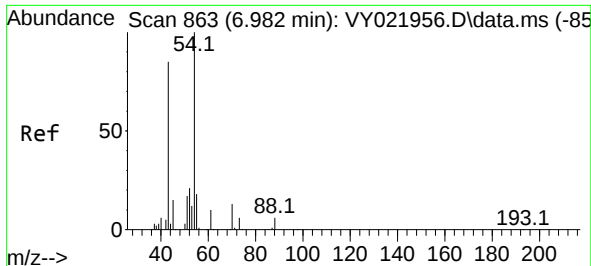
Tgt Ion:113 Resp: 203179
Ion Ratio Lower Upper
113 100
111 102.3 81.8 122.8
192 20.6 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.486 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY022037.D
Acq: 28 Apr 2025 17:25

Tgt Ion: 75 Resp: 23923
Ion Ratio Lower Upper
75 100
110 9.8 19.1 57.3#
77 0.0 25.5 38.3#





#37

Ethyl Acetate

Concen: 2.869 ug/l

RT: 6.896 min Scan# 84

Delta R.T. -0.085 min

Lab File: VY022037.D

Acq: 28 Apr 2025 17:25

Instrument :

MSVOA_Y

ClientSampleId :

MH-D-VOC

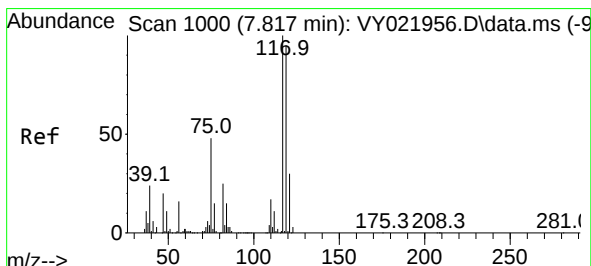
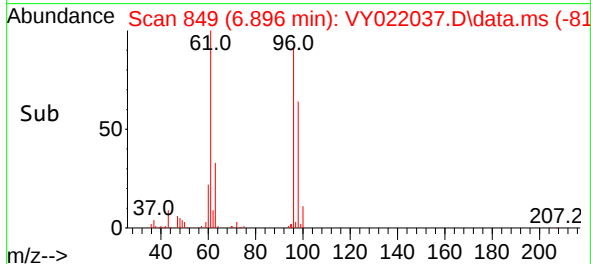
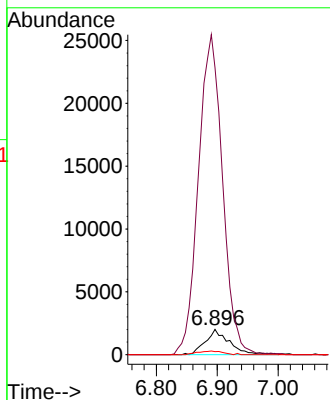
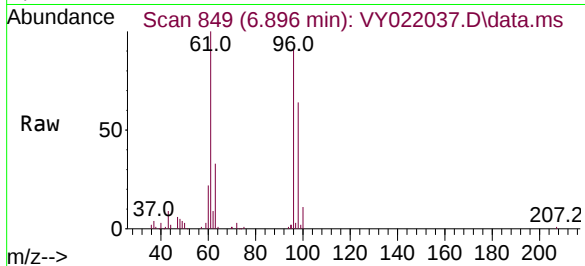
Tgt Ion: 43 Resp: 5495

Ion Ratio Lower Upper

43 100

61 1275.8 13.8 20.6#

70 14.7 9.2 13.8#



#38

Carbon Tetrachloride

Concen: 5.056 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY022037.D

Acq: 28 Apr 2025 17:25

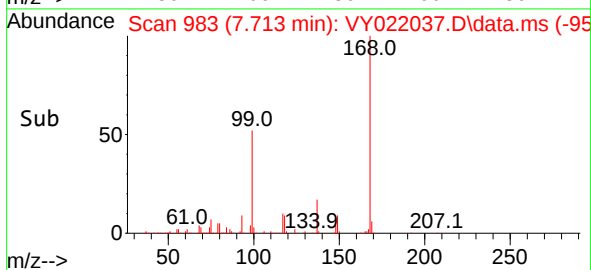
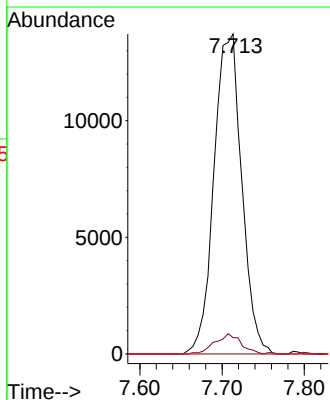
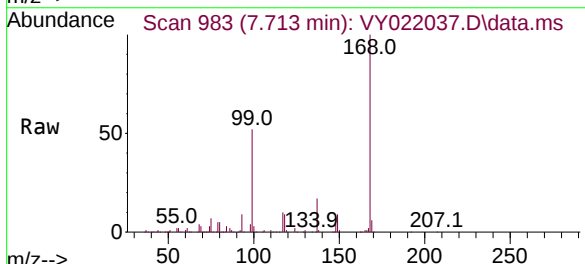
Tgt Ion: 117 Resp: 32216

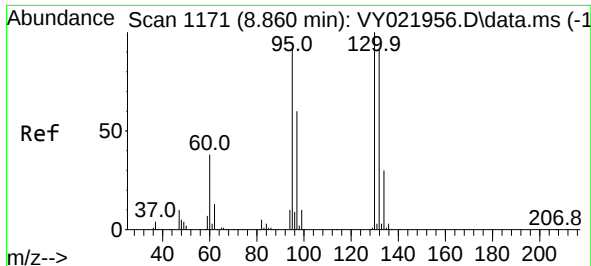
Ion Ratio Lower Upper

117 100

119 5.1 76.2 114.4#

121 0.0 24.0 36.0#

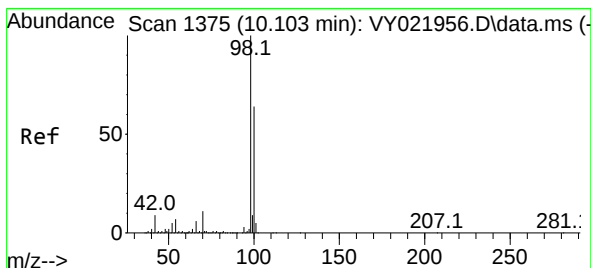
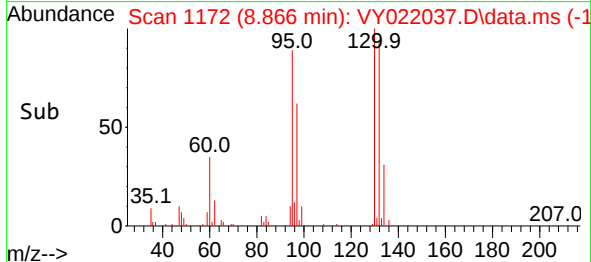
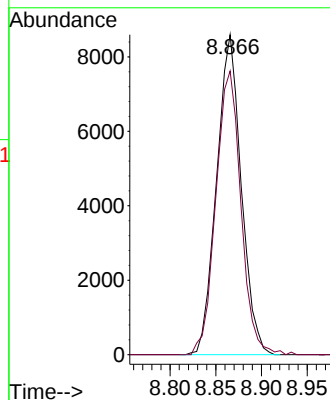
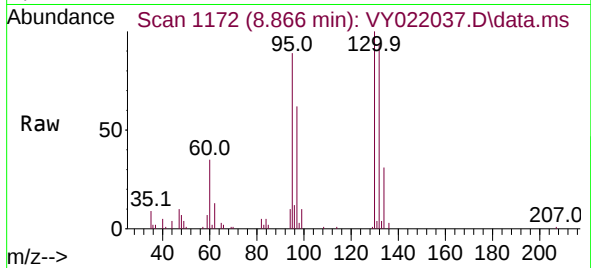




#44
Trichloroethene
Concen: 3.491 ug/l
RT: 8.866 min Scan# 1171
Delta R.T. 0.006 min
Lab File: VY022037.D
Acq: 28 Apr 2025 17:25

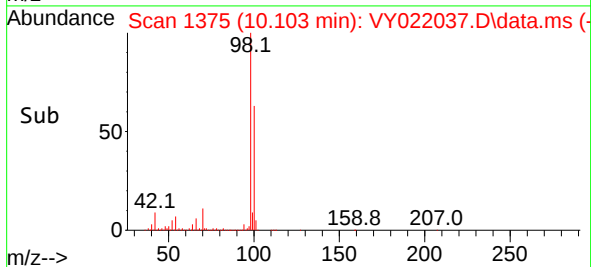
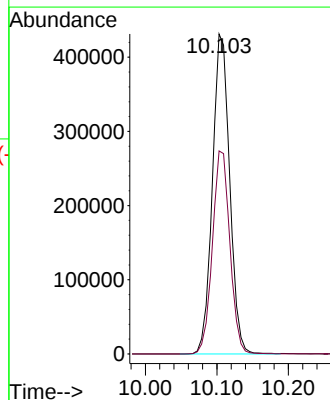
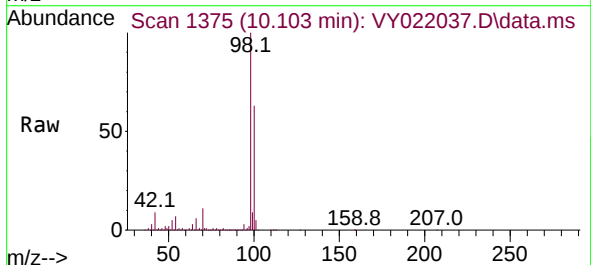
Instrument :
MSVOA_Y
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MH-D-VOC

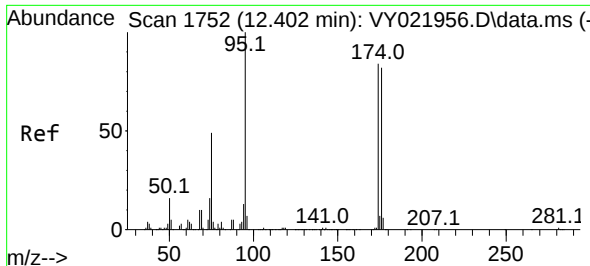
Tgt Ion:130 Resp: 16118
Ion Ratio Lower Upper
130 100
95 88.7 0.0 183.2



#50
Toluene-d8
Concen: 48.273 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022037.D
Acq: 28 Apr 2025 17:25

Tgt Ion: 98 Resp: 722448
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4

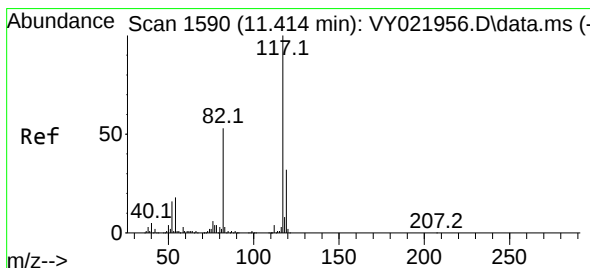
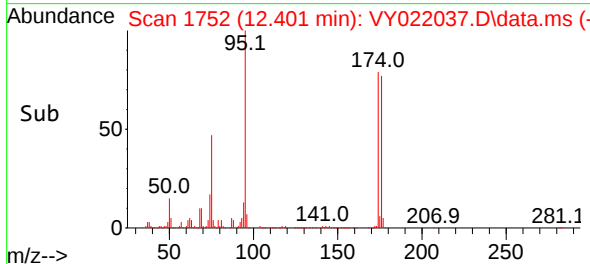
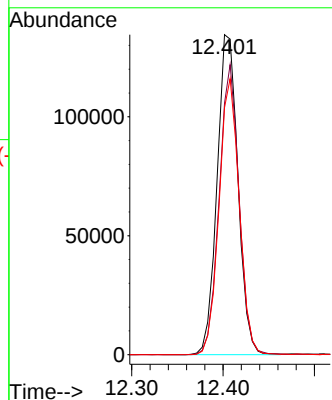
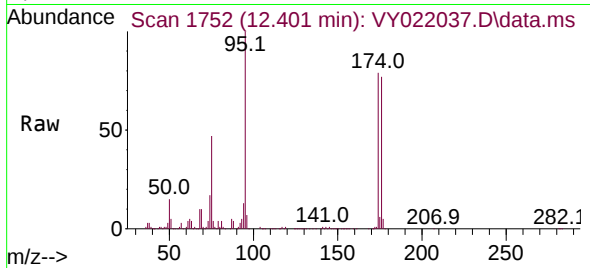




#62
4-Bromofluorobenzene
Concen: 42.428 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY022037.D
Acq: 28 Apr 2025 17:25

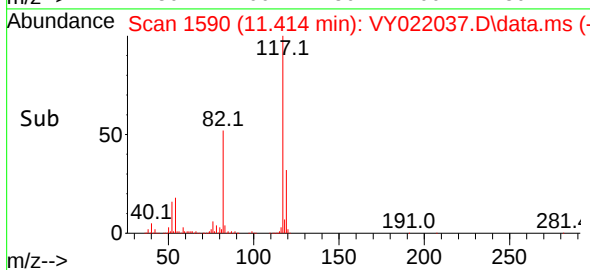
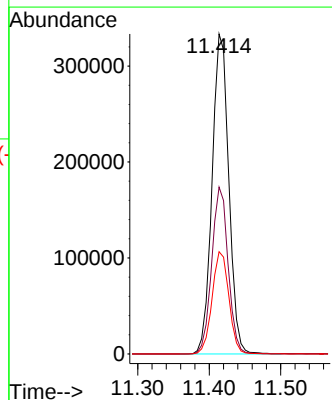
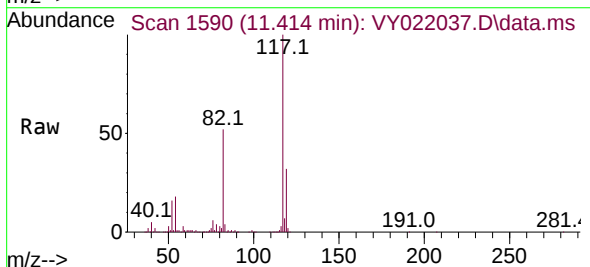
Instrument :
MSVOA_Y
ClientSampleId :
MH-D-VOC

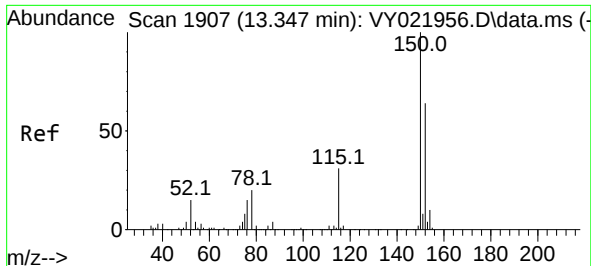
Tgt Ion: 95 Resp: 213758
Ion Ratio Lower Upper
95 100
174 86.3 0.0 179.0
176 83.4 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022037.D
Acq: 28 Apr 2025 17:25

Tgt Ion: 117 Resp: 540553
Ion Ratio Lower Upper
117 100
82 52.2 42.1 63.1
119 32.0 25.7 38.5

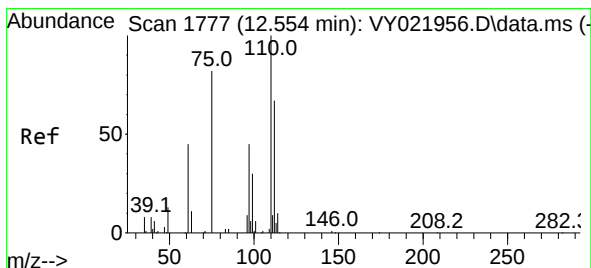
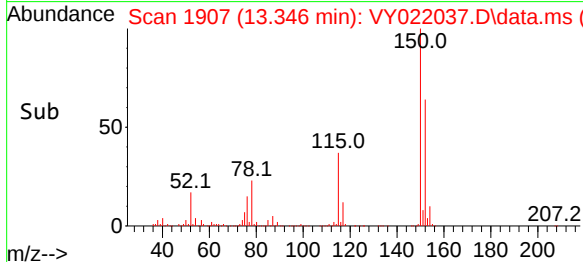
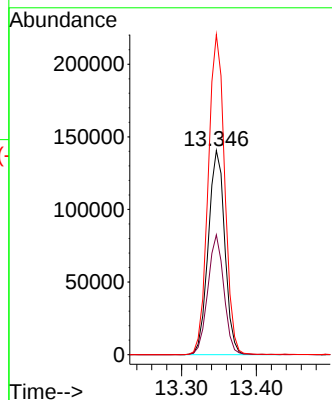
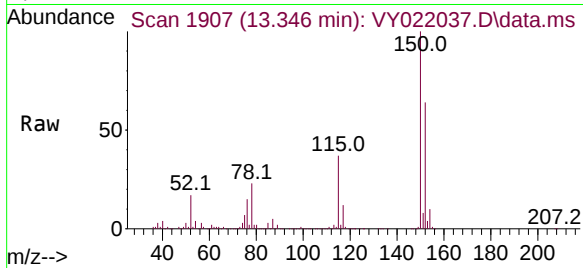




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY022037.D
 Acq: 28 Apr 2025 17:25

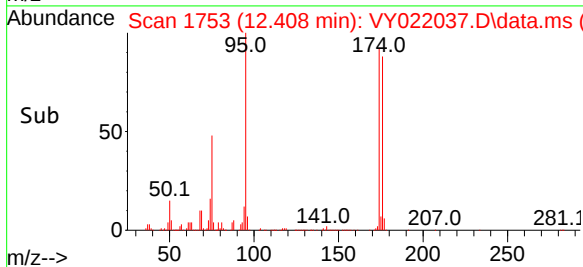
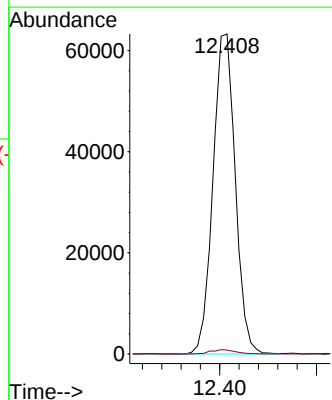
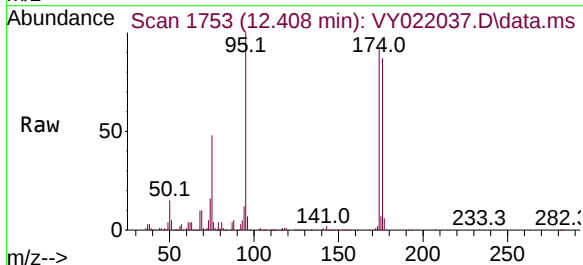
Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-D-VOC

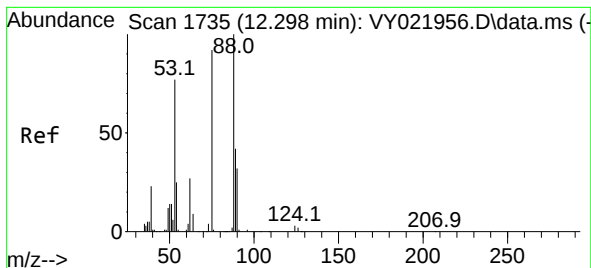
Tgt Ion:152 Resp: 215571
 Ion Ratio Lower Upper
 152 100
 115 57.2 28.0 84.0
 150 156.8 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 54.833 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY022037.D
 Acq: 28 Apr 2025 17:25

Tgt Ion: 75 Resp: 101247
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#

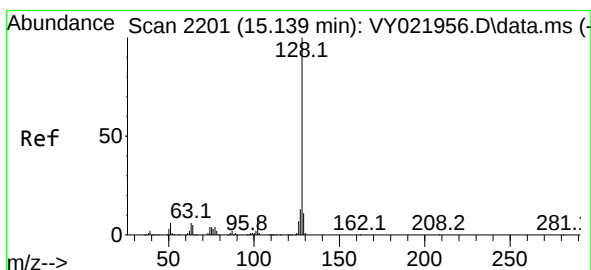
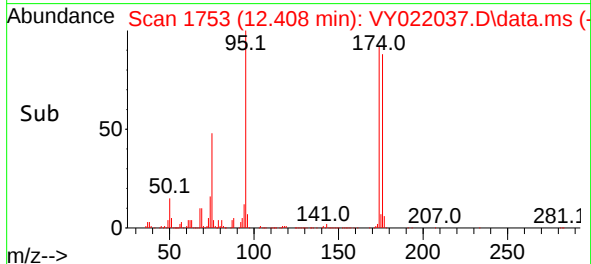
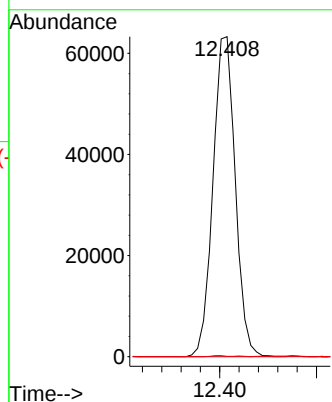
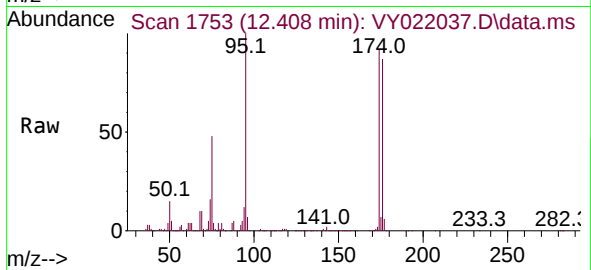




#81
trans-1,4-Dichloro-2-butene
Concen: 132.045 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY022037.D
Acq: 28 Apr 2025 17:25

Instrument :
MSVOA_Y
ClientSampleId :
MH-D-VOC

Tgt Ion: 75 Resp: 101247
Ion Ratio Lower Upper
75 100
53 0.3 66.0 99.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 3.113 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.006 min
Lab File: VY022037.D
Acq: 28 Apr 2025 17:25

Tgt Ion:128 Resp: 18889
Ion Ratio Lower Upper
128 100
127 14.0 10.6 16.0
129 11.5 8.9 13.3

