

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
 Data File : VY022402.D
 Acq On : 22 May 2025 17:40
 Operator : SY/MD
 Sample : Q2109-03
 Misc : 6.71g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-02-MHF-VOC

Quant Time: May 23 03:40:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

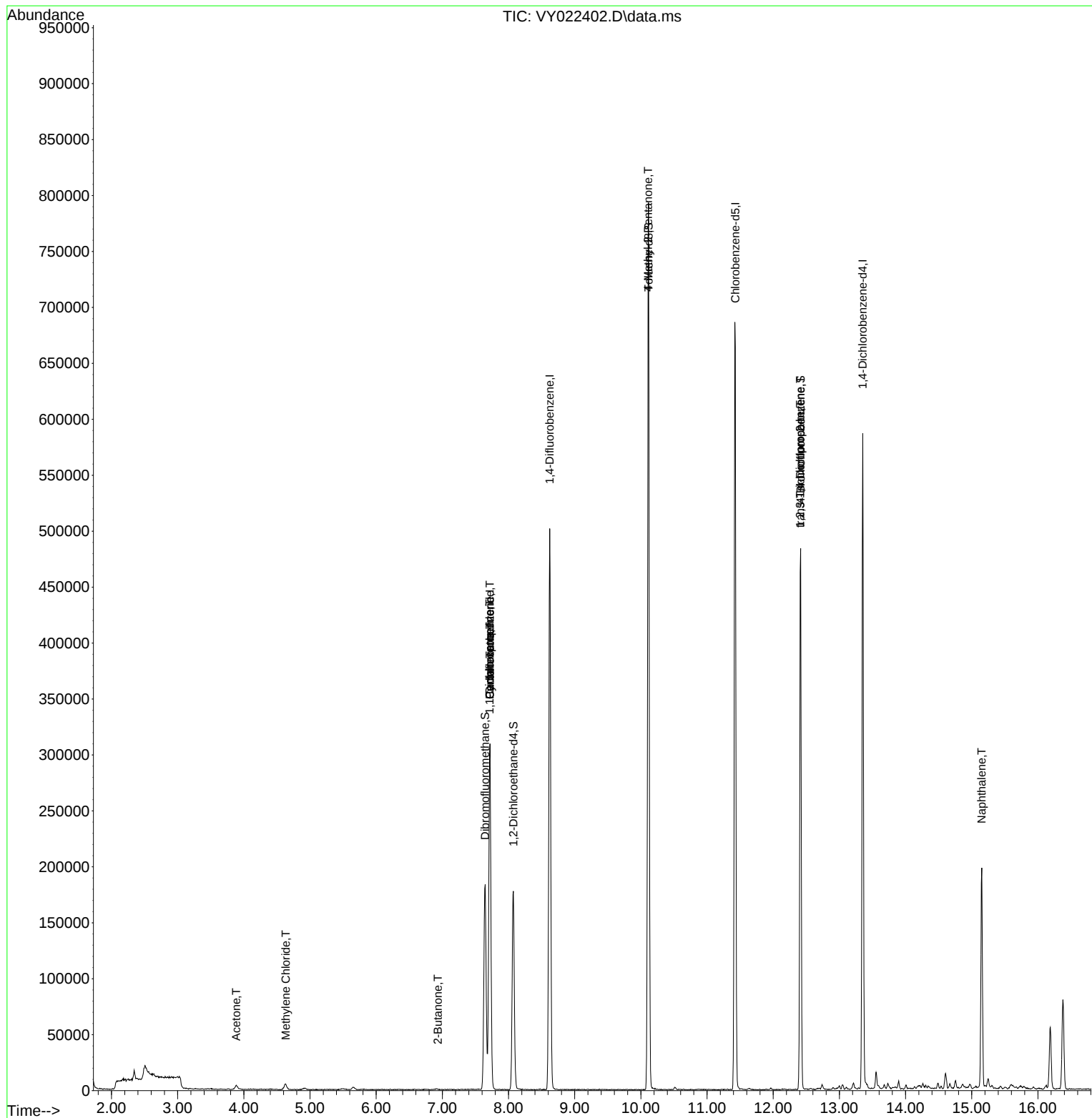
Internal Standards						
1) Pentafluorobenzene	7.719	168	234866	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	419294	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	346062	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.353	152	130972	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	134504	52.400	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.800%	
35) Dibromofluoromethane	7.646	113	128647	51.405	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.820%	
50) Toluene-d8	10.115	98	500002	48.783	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.560%	
62) 4-Bromofluorobenzene	12.414	95	131799	40.569	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 81.140%	
Target Compounds						Qvalue
16) Acetone	3.885	43	6821	14.172	ug/l	92
20) Methylene Chloride	4.635	84	3341	1.074	ug/l	91
25) 2-Butanone	6.933	43	1256	1.560	ug/l #	47
31) Cyclohexane	7.719	56	6424	1.237	ug/l #	37
36) 1,1-Dichloropropene	7.713	75	19451	4.719	ug/l #	51
38) Carbon Tetrachloride	7.719	117	24401	5.719	ug/l #	15
51) 4-Methyl-2-Pentanone	10.109	43	2616	1.233	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	77187	58.172	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	77187	117.841	ug/l #	12
95) Naphthalene	15.151	128	150882	34.638	ug/l	99

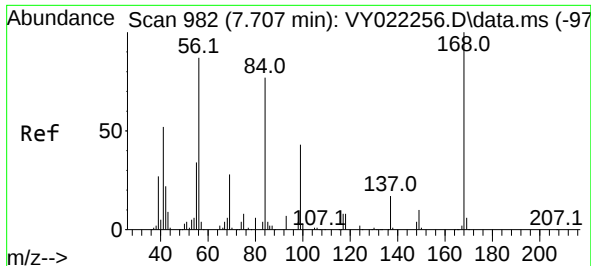
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
Data File : VY022402.D
Acq On : 22 May 2025 17:40
Operator : SY/MD
Sample : Q2109-03
Misc : 6.71g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-02-MHF-VOC

Quant Time: May 23 03:40:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

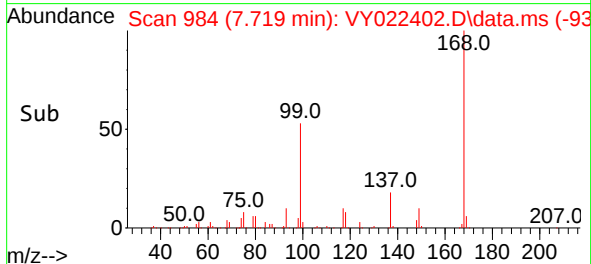
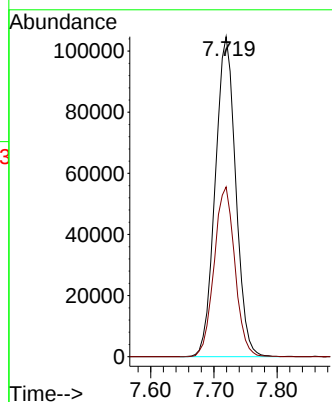
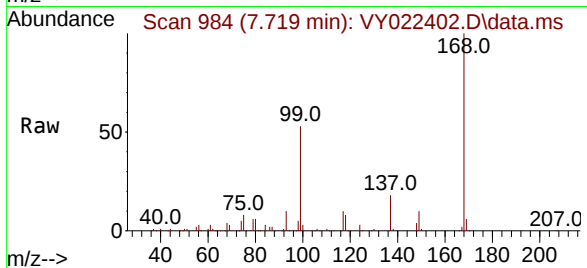




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY022402.D
Acq: 22 May 2025 17:40

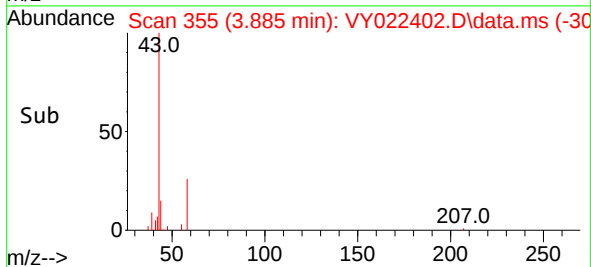
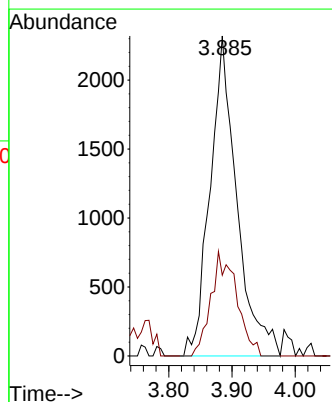
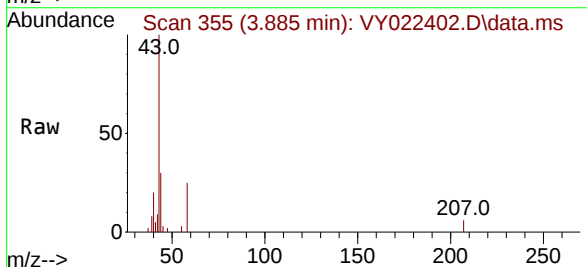
Instrument :
MSVOA_Y
ClientSampleId :
TP-02-MHF-VOC

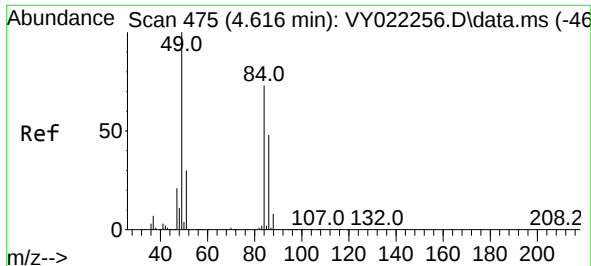
Tgt Ion:168 Resp: 234866
Ion Ratio Lower Upper
168 100
99 53.0 44.2 66.4



#16
Acetone
Concen: 14.172 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.012 min
Lab File: VY022402.D
Acq: 22 May 2025 17:40

Tgt Ion: 43 Resp: 6821
Ion Ratio Lower Upper
43 100
58 25.2 23.6 35.4

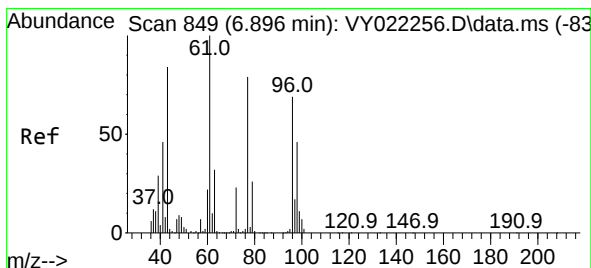
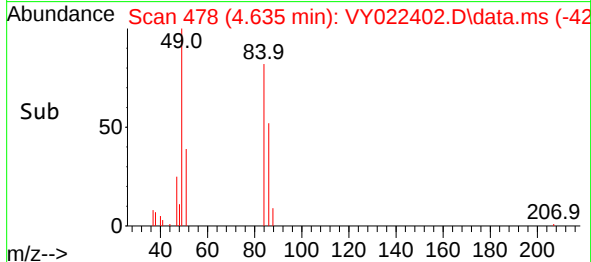
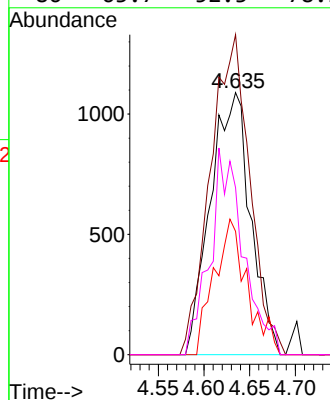
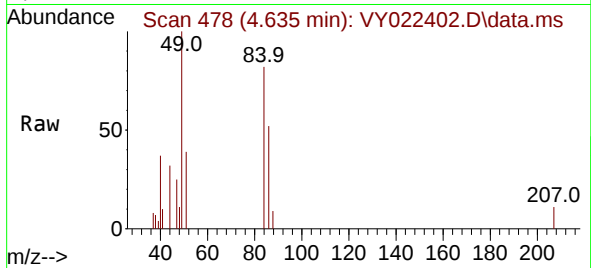




#20
Methylene Chloride
Concen: 1.074 ug/l
RT: 4.635 min Scan# 41
Delta R.T. 0.018 min
Lab File: VY022402.D
Acq: 22 May 2025 17:40

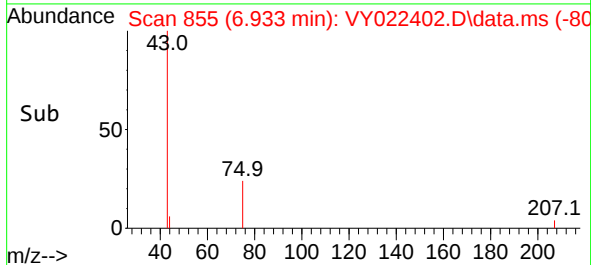
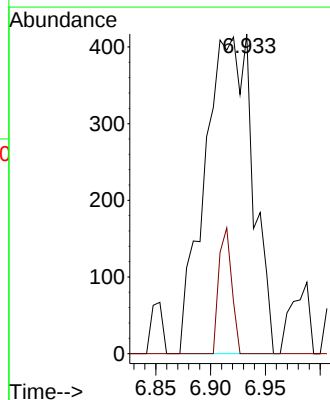
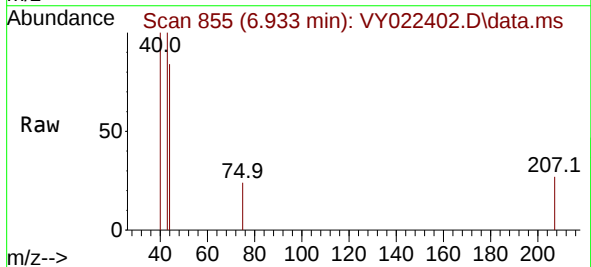
Instrument :
MSVOA_Y
ClientSampleId :
TP-02-MHF-VOC

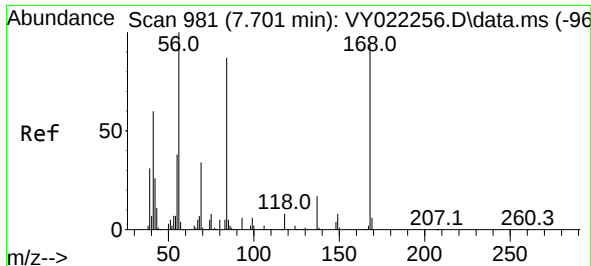
Tgt Ion: 84	Resp: 3341
Ion Ratio	Lower Upper
84 100	
49 122.1	109.6 164.4
51 47.1	32.4 48.6
86 63.7	52.3 78.5



#25
2-Butanone
Concen: 1.560 ug/l
RT: 6.933 min Scan# 855
Delta R.T. 0.037 min
Lab File: VY022402.D
Acq: 22 May 2025 17:40

Tgt Ion: 43	Resp: 1256
Ion Ratio	Lower Upper
43 100	
72 0.0	22.1 33.1#

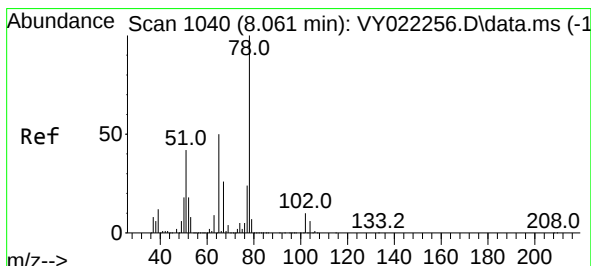
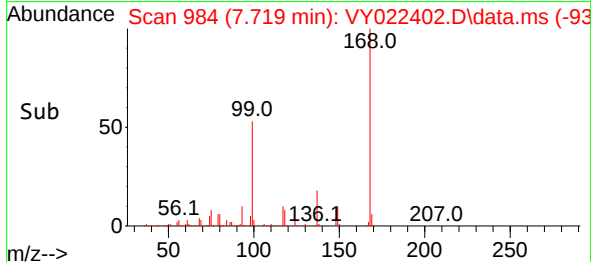
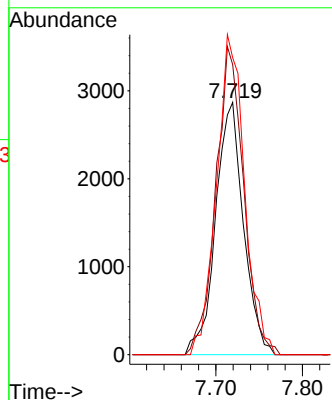
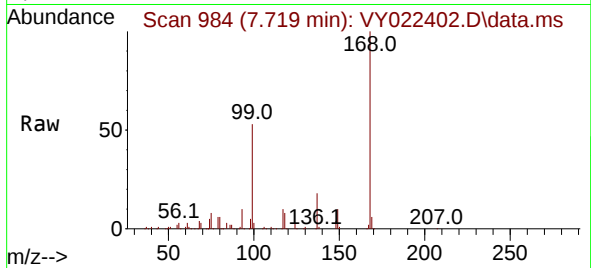




#31
Cyclohexane
Concen: 1.237 ug/l
RT: 7.719 min Scan# 981
Delta R.T. 0.018 min
Lab File: VY022402.D
Acq: 22 May 2025 17:40

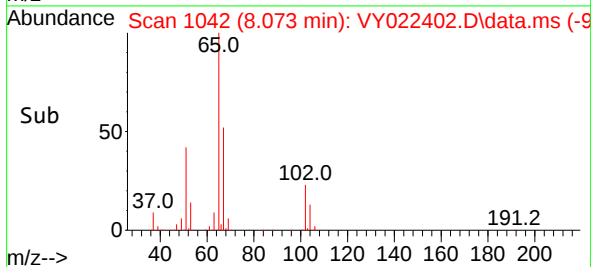
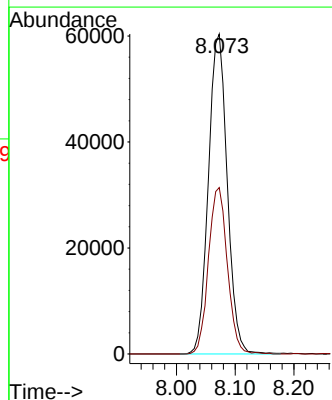
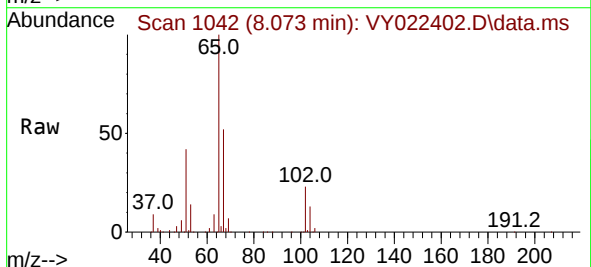
Instrument :
MSVOA_Y
ClientSampleId :
TP-02-MHF-VOC

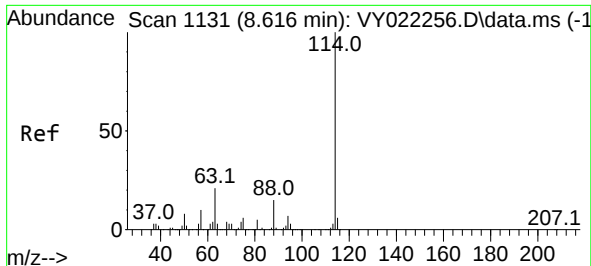
Tgt Ion: 56 Resp: 6424
Ion Ratio Lower Upper
56 100
69 115.0 27.4 41.2#
84 117.7 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 52.400 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.012 min
Lab File: VY022402.D
Acq: 22 May 2025 17:40

Tgt Ion: 65 Resp: 134504
Ion Ratio Lower Upper
65 100
67 52.2 0.0 104.6

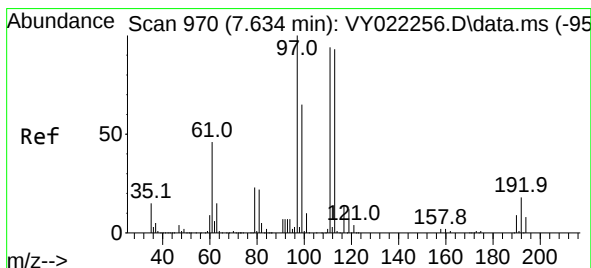
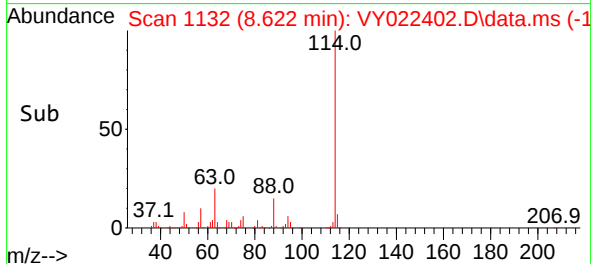
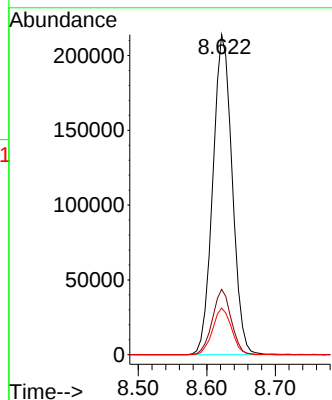
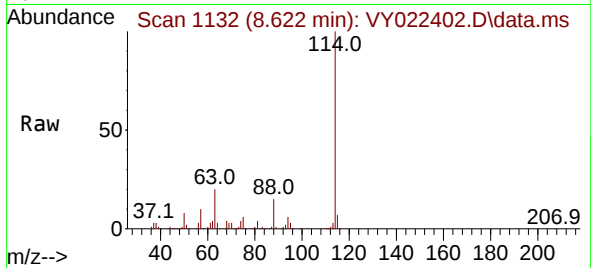




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY022402.D
Acq: 22 May 2025 17:40

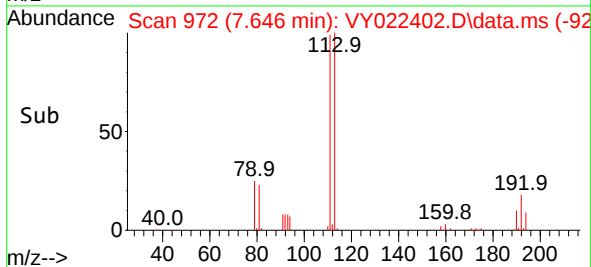
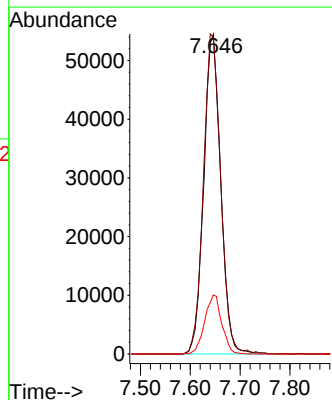
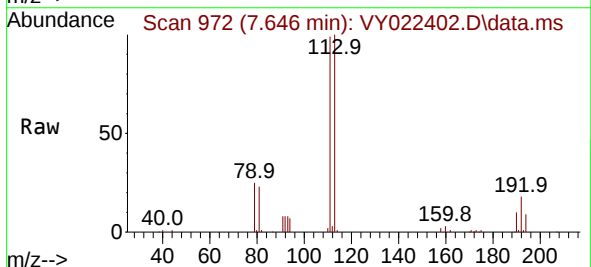
Instrument :
MSVOA_Y
ClientSampleId :
TP-02-MHF-VOC

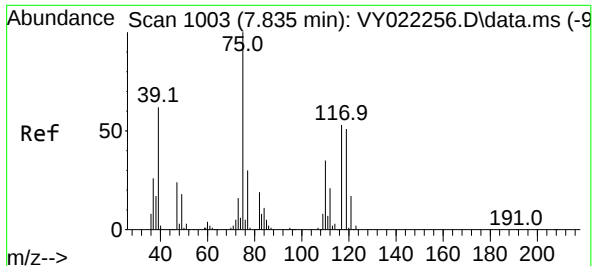
Tgt Ion:114 Resp: 419294
Ion Ratio Lower Upper
114 100
63 20.4 0.0 41.0
88 14.6 0.0 29.4



#35
Dibromofluoromethane
Concen: 51.405 ug/l
RT: 7.646 min Scan# 972
Delta R.T. 0.012 min
Lab File: VY022402.D
Acq: 22 May 2025 17:40

Tgt Ion:113 Resp: 128647
Ion Ratio Lower Upper
113 100
111 102.2 82.6 123.8
192 18.5 15.2 22.8

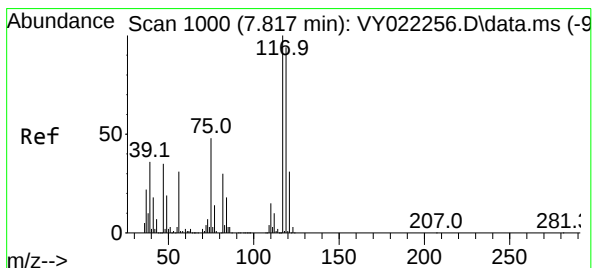
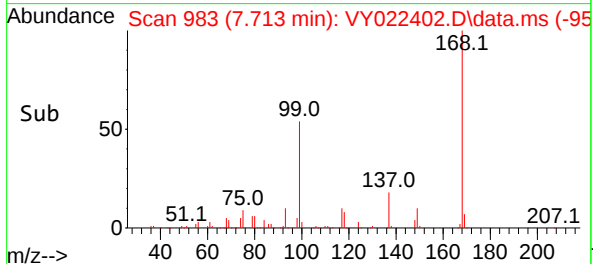
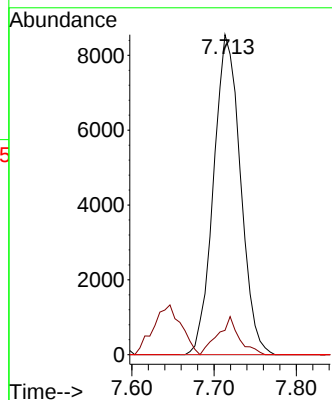
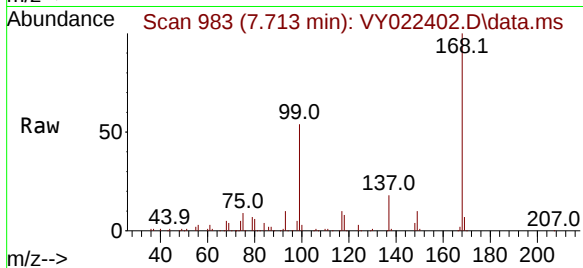




#36
1,1-Dichloropropene
Concen: 4.719 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY022402.D
Acq: 22 May 2025 17:40

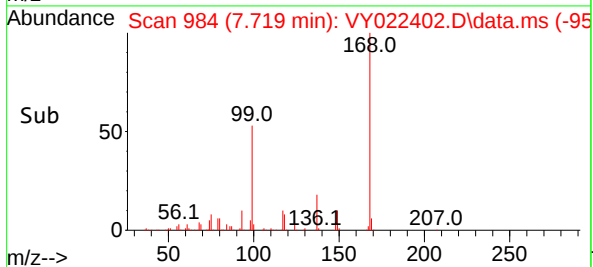
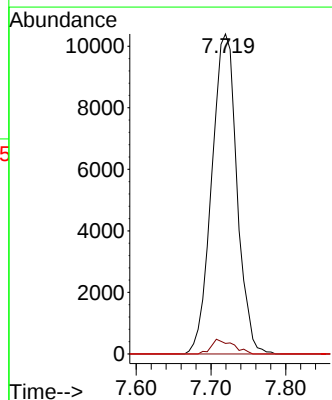
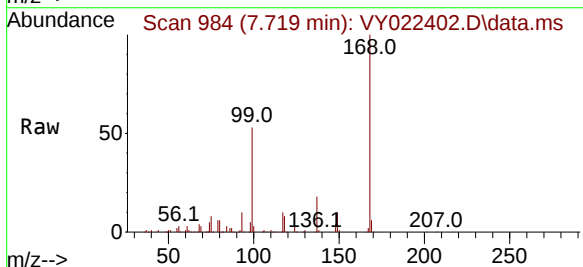
Instrument :
MSVOA_Y
ClientSampleId :
TP-02-MHF-VOC

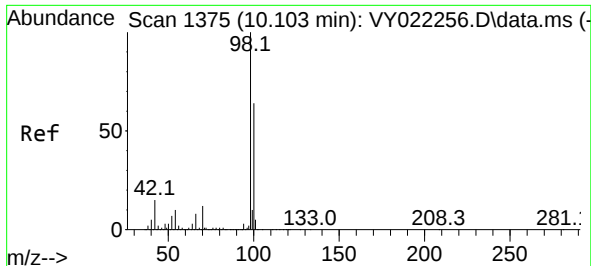
Tgt Ion: 75 Resp: 19451
Ion Ratio Lower Upper
75 100
110 9.3 16.6 49.8#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.719 ug/l
RT: 7.719 min Scan# 984
Delta R.T. -0.098 min
Lab File: VY022402.D
Acq: 22 May 2025 17:40

Tgt Ion: 117 Resp: 24401
Ion Ratio Lower Upper
117 100
119 3.3 75.3 112.9#
121 0.0 24.7 37.1#

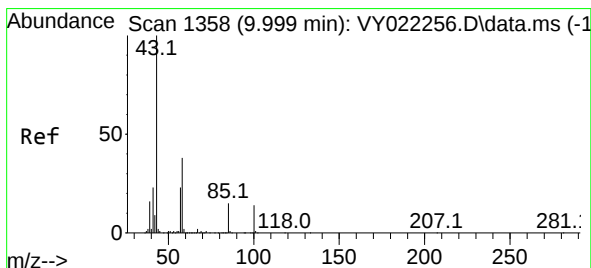
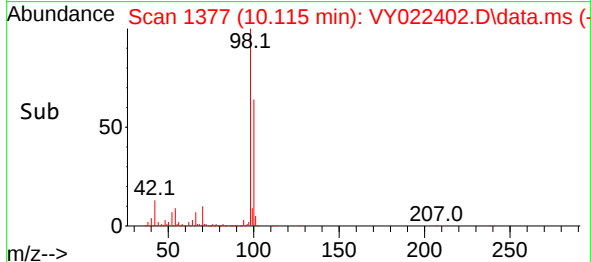
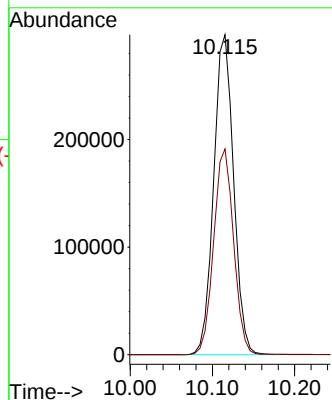
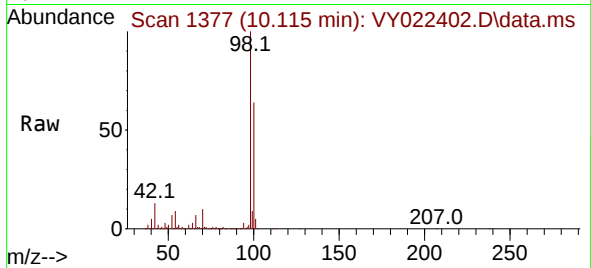




#50
Toluene-d8
Concen: 48.783 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.012 min
Lab File: VY022402.D
Acq: 22 May 2025 17:40

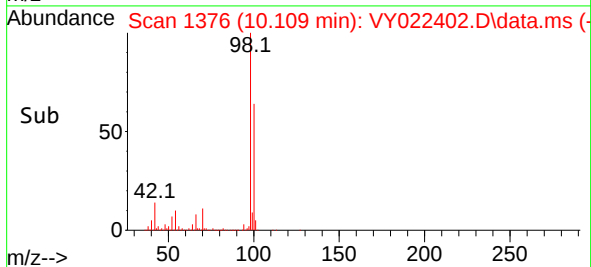
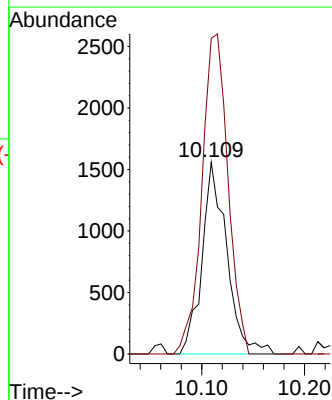
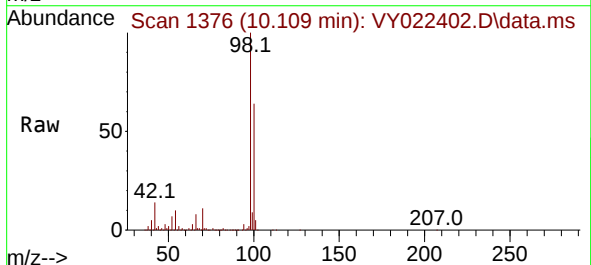
Instrument :
MSVOA_Y
ClientSampleId :
TP-02-MHF-VOC

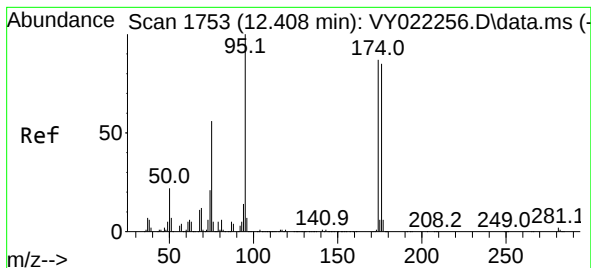
Tgt Ion: 98 Resp: 500002
Ion Ratio Lower Upper
98 100
100 64.5 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 1.233 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.110 min
Lab File: VY022402.D
Acq: 22 May 2025 17:40

Tgt Ion: 43 Resp: 2616
Ion Ratio Lower Upper
43 100
58 175.2 29.4 44.2#

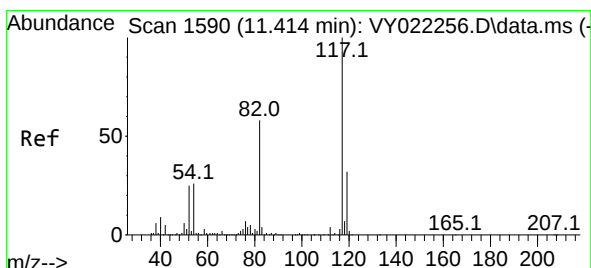
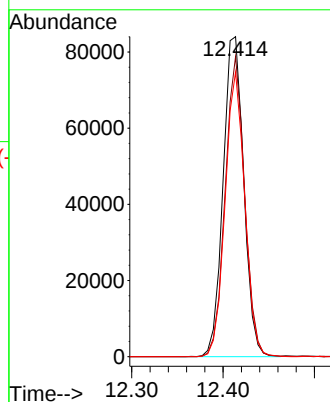
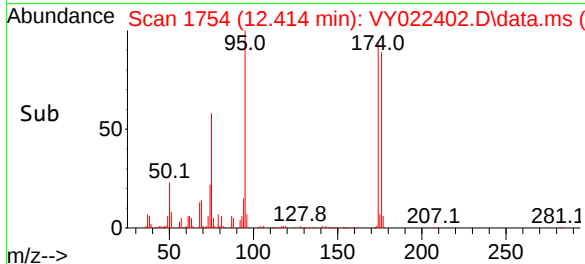
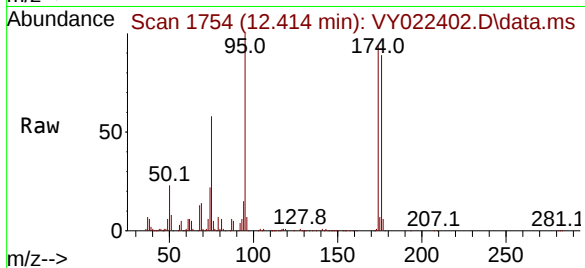




#62
4-Bromofluorobenzene
Concen: 40.569 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY022402.D
Acq: 22 May 2025 17:40

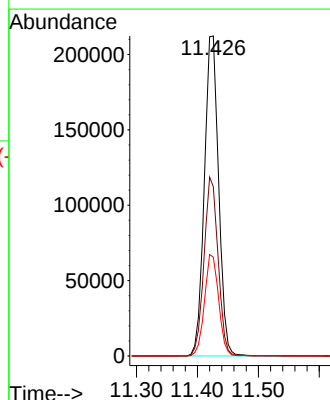
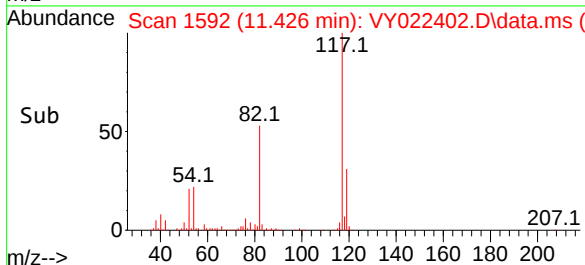
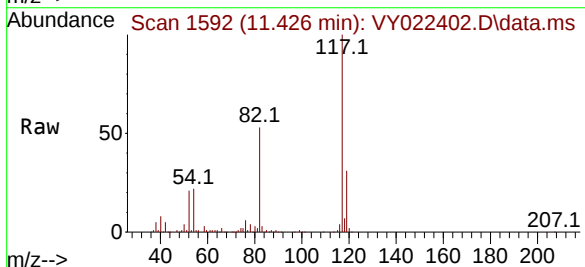
Instrument :
MSVOA_Y
ClientSampleId :
TP-02-MHF-VOC

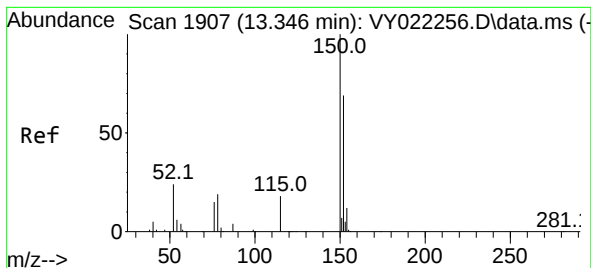
Tgt Ion: 95 Resp: 131799
Ion Ratio Lower Upper
95 100
174 89.0 0.0 166.8
176 84.9 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1592
Delta R.T. 0.012 min
Lab File: VY022402.D
Acq: 22 May 2025 17:40

Tgt Ion: 117 Resp: 346062
Ion Ratio Lower Upper
117 100
82 52.8 46.6 70.0
119 30.8 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY022402.D

Acq: 22 May 2025 17:40

Instrument :

MSVOA_Y

ClientSampleId :

TP-02-MHF-VOC

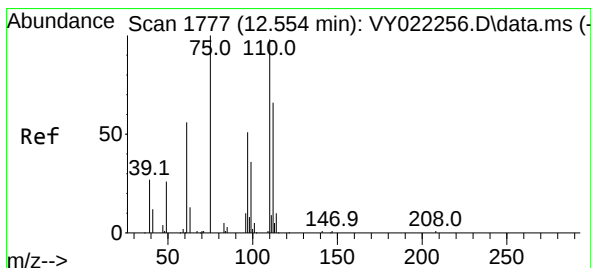
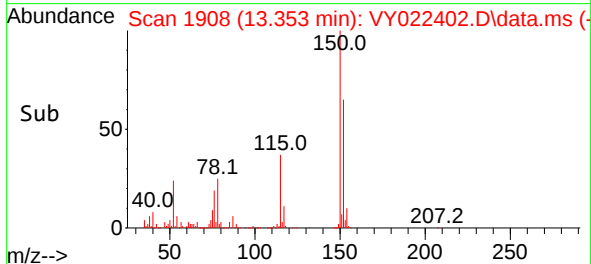
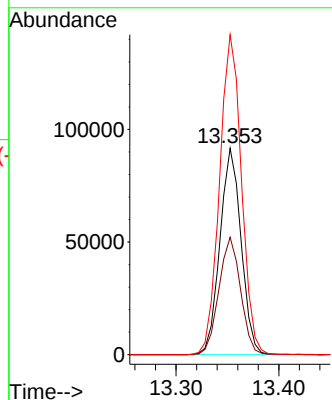
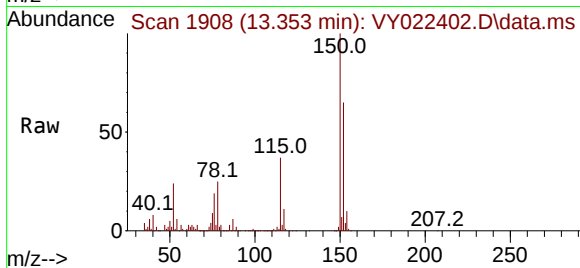
Tgt Ion:152 Resp: 130972

Ion Ratio Lower Upper

152 100

115 58.3 29.4 88.2

150 160.3 0.0 353.8



#76

1,2,3-Trichloropropane

Concen: 58.172 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY022402.D

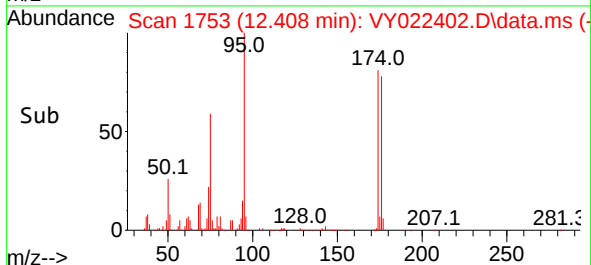
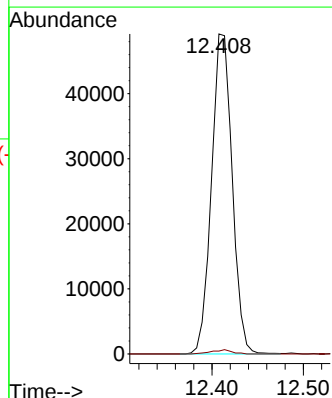
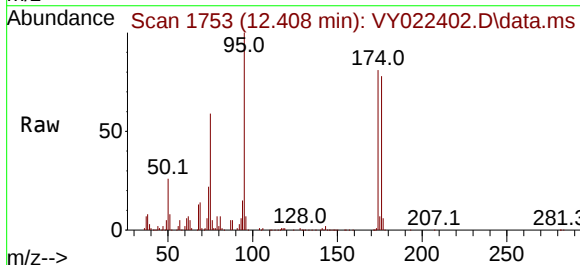
Acq: 22 May 2025 17:40

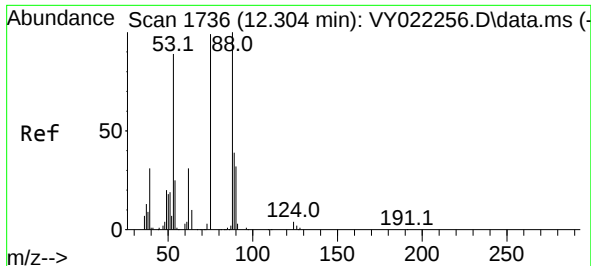
Tgt Ion: 75 Resp: 77187

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

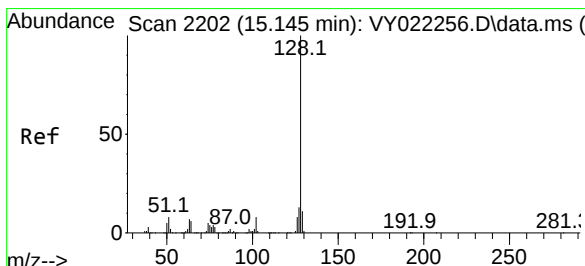
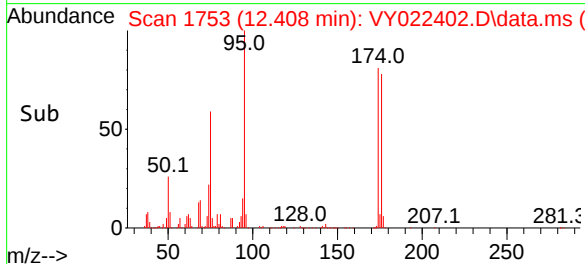
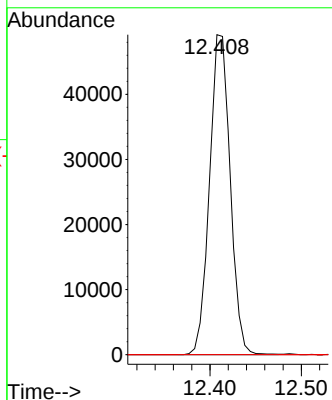
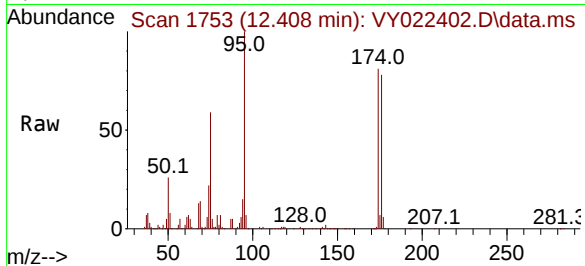




#81
trans-1,4-Dichloro-2-butene
Concen: 117.841 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY022402.D
Acq: 22 May 2025 17:40

Instrument :
MSVOA_Y
ClientSampleId :
TP-02-MHF-VOC

Tgt Ion: 75 Resp: 77187
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.0 36.2 54.2#



#95
Naphthalene
Concen: 34.638 ug/l
RT: 15.151 min Scan# 2203
Delta R.T. 0.006 min
Lab File: VY022402.D
Acq: 22 May 2025 17:40

Tgt Ion:128 Resp: 150882
Ion Ratio Lower Upper
128 100
127 13.3 10.2 15.2
129 10.9 8.8 13.2

