

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052325\
 Data File : VY022415.D
 Acq On : 23 May 2025 18:47
 Operator : SY/MD
 Sample : Q2127-01
 Misc : 5.94g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-1

Quant Time: May 23 23:24:04 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)

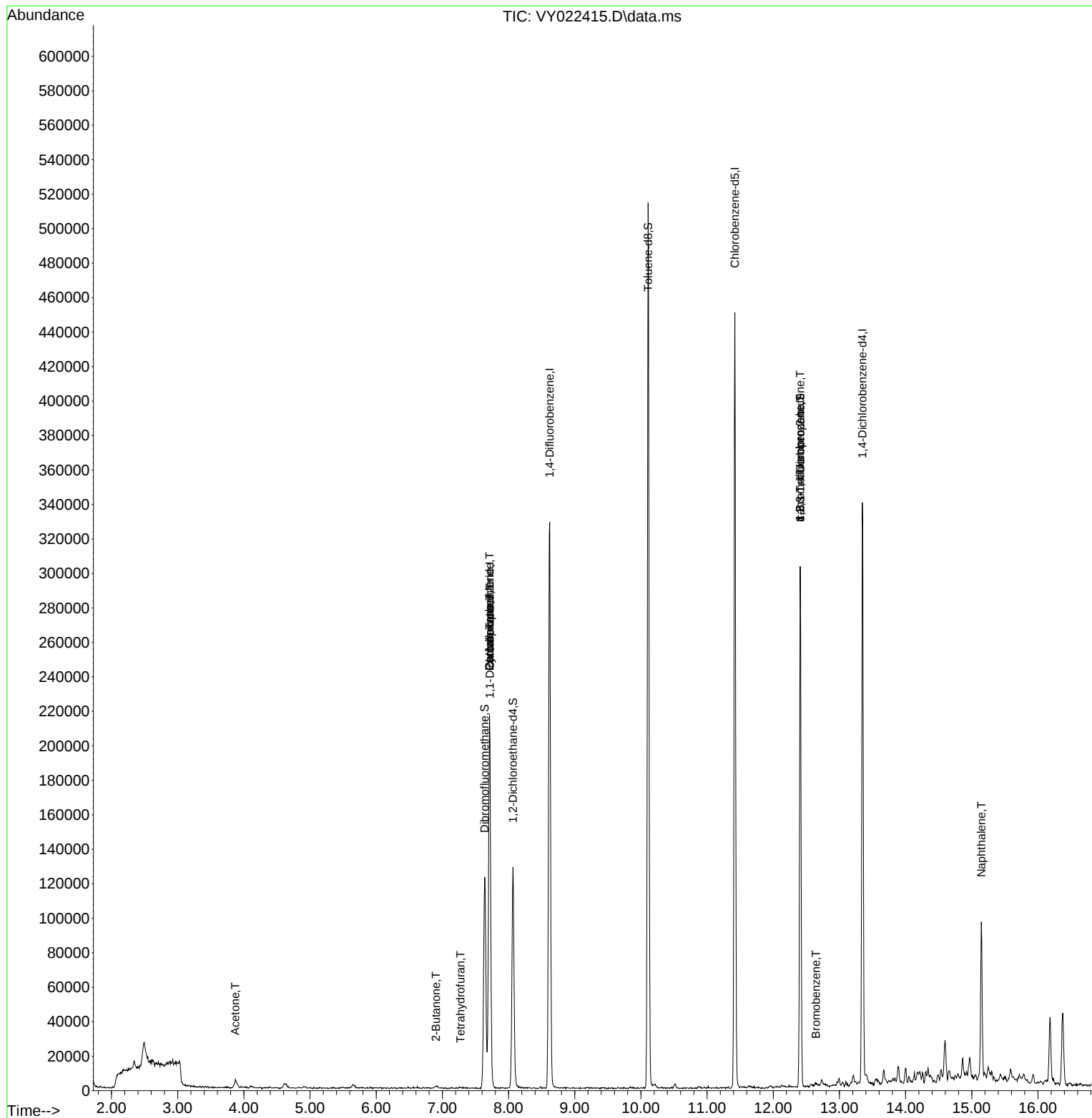
Internal Standards						
1) Pentafluorobenzene	7.713	168	162880	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	280501	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	217309	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	81252	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	94156	52.893	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.780%	
35) Dibromofluoromethane	7.640	113	85874	51.293	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.580%	
50) Toluene-d8	10.109	98	325089	47.411	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 94.820%	
62) 4-Bromofluorobenzene	12.407	95	81706	37.594	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 75.180%	
Target Compounds						
					Qvalue	
16) Acetone	3.872	43	7566	22.667	ug/l	100
25) 2-Butanone	6.902	43	2154	3.858	ug/l #	66
29) Tetrahydrofuran	7.274	42	362	1.008	ug/l #	60
31) Cyclohexane	7.713	56	4486	1.246	ug/l #	26
36) 1,1-Dichloropropene	7.719	75	13267	4.811	ug/l #	51
38) Carbon Tetrachloride	7.713	117	16430	5.756	ug/l #	16
76) 1,2,3-Trichloropropane	12.407	75	48036	58.355	ug/l #	100
77) Bromobenzene	12.645	156	1558	1.084	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.407	75	48036	118.213	ug/l #	12
95) Naphthalene	15.145	128	68173	25.228	ug/l	99

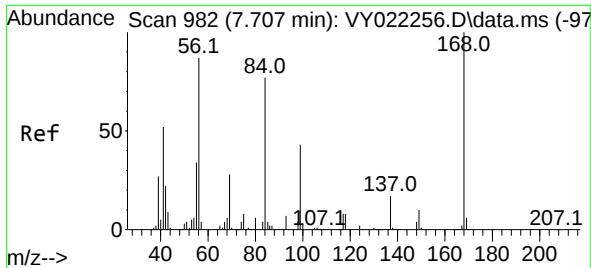
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052325\
Data File : VY022415.D
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Misc : 5.94g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
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COMP-1

Quant Time: May 23 23:24:04 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

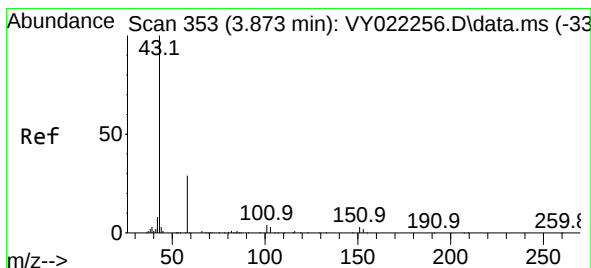
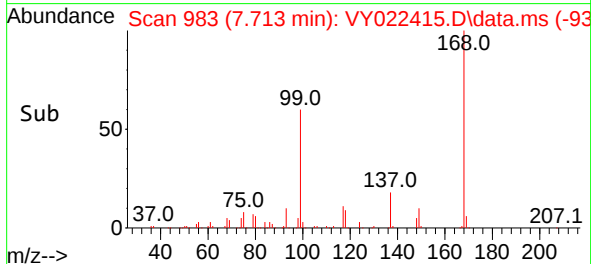
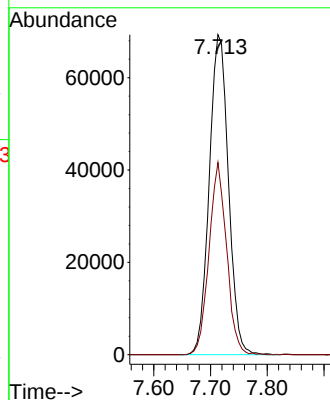
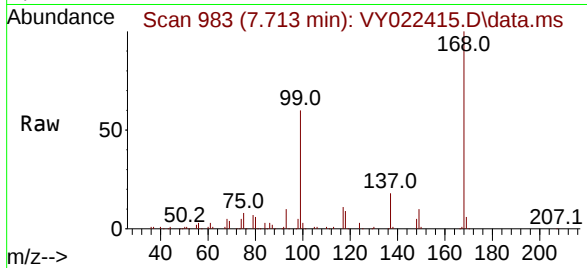




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022415.D
Acq: 23 May 2025 18:47

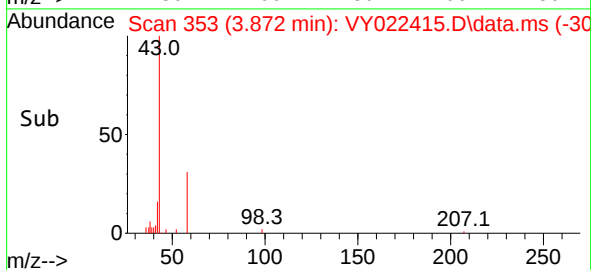
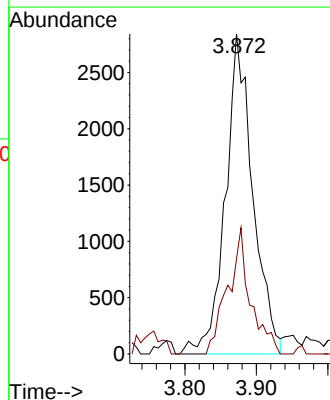
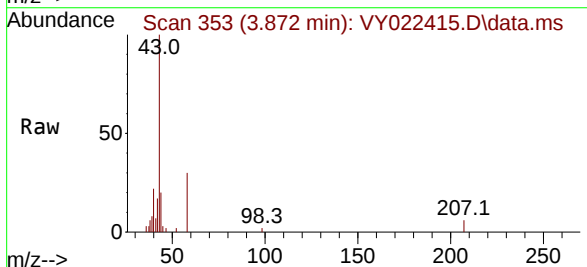
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

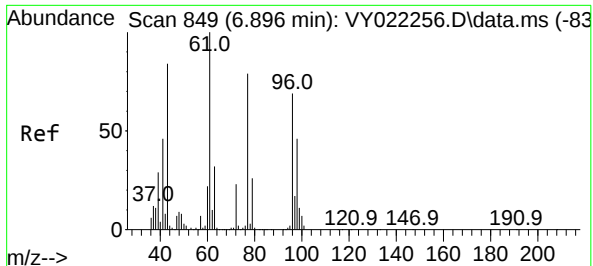
Tgt Ion:168 Resp: 162880
Ion Ratio Lower Upper
168 100
99 60.1 44.2 66.4



#16
Acetone
Concen: 22.667 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.000 min
Lab File: VY022415.D
Acq: 23 May 2025 18:47

Tgt Ion: 43 Resp: 7566
Ion Ratio Lower Upper
43 100
58 29.8 23.6 35.4





#25

2-Butanone

Concen: 3.858 ug/l

RT: 6.902 min Scan# 8

Delta R.T. 0.006 min

Lab File: VY022415.D

Acq: 23 May 2025 18:47

Instrument :

MSVOA_Y

ClientSampleId :

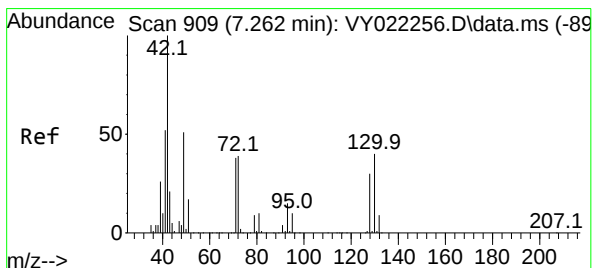
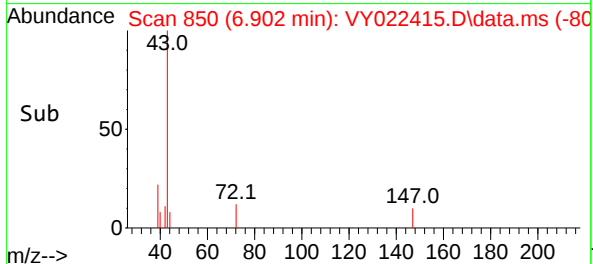
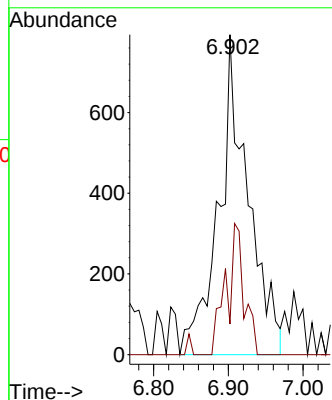
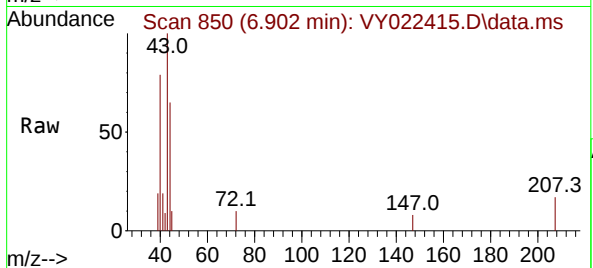
COMP-1

Tgt Ion: 43 Resp: 2154

Ion Ratio Lower Upper

43 100

72 9.6 22.1 33.1#



#29

Tetrahydrofuran

Concen: 1.008 ug/l

RT: 7.274 min Scan# 911

Delta R.T. 0.012 min

Lab File: VY022415.D

Acq: 23 May 2025 18:47

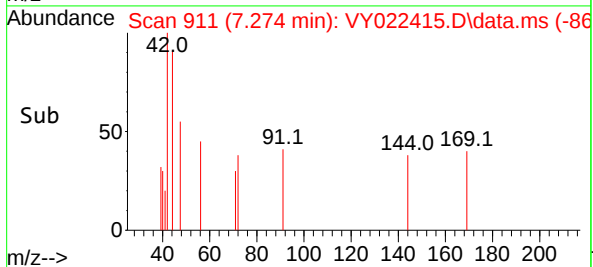
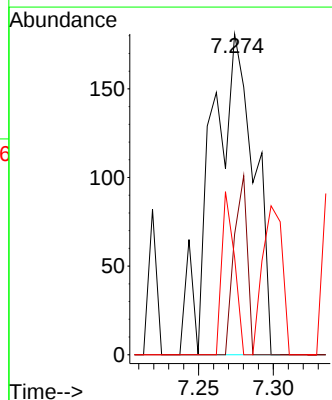
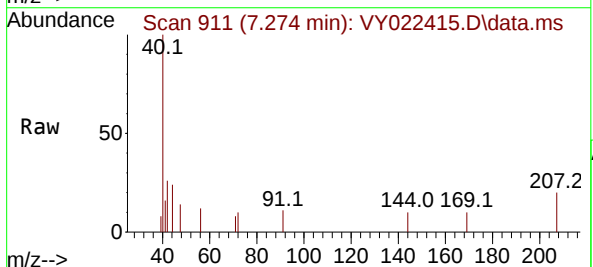
Tgt Ion: 42 Resp: 362

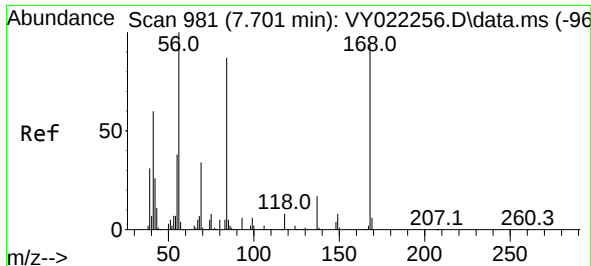
Ion Ratio Lower Upper

42 100

72 17.1 33.8 50.6#

71 14.9 31.5 47.3#

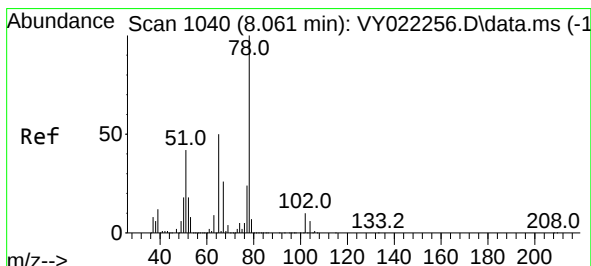
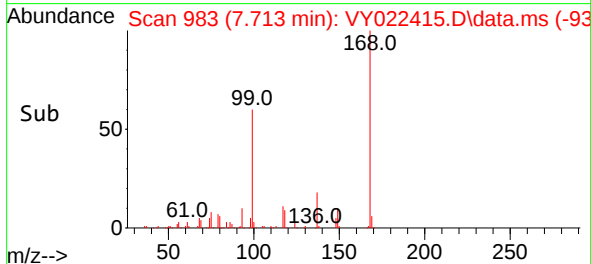
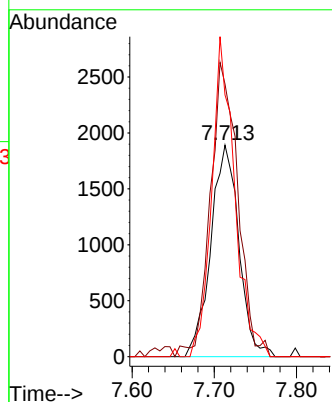
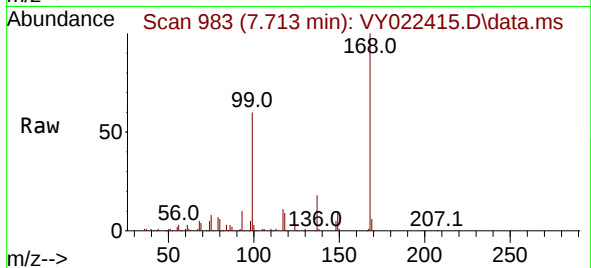




#31
Cyclohexane
Concen: 1.246 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY022415.D
Acq: 23 May 2025 18:47

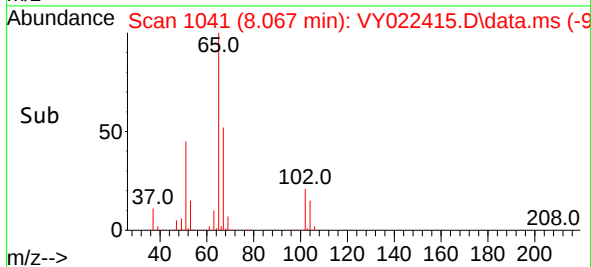
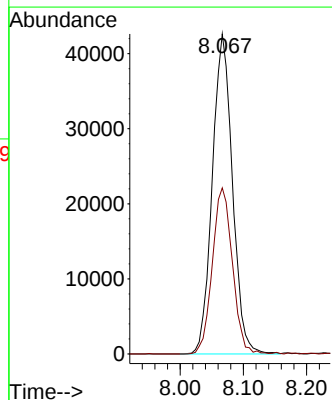
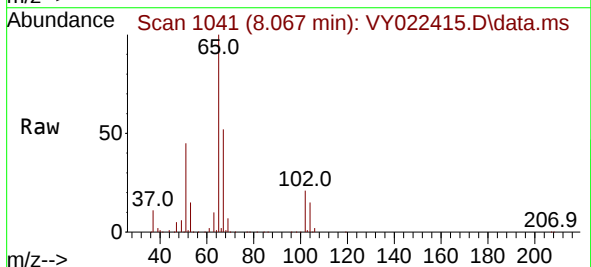
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

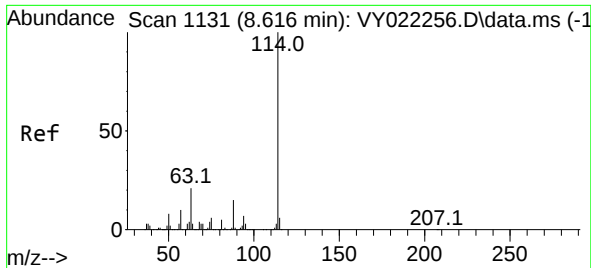
Tgt Ion: 56 Resp: 4486
Ion Ratio Lower Upper
56 100
69 128.9 27.4 41.2#
84 123.7 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 52.893 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY022415.D
Acq: 23 May 2025 18:47

Tgt Ion: 65 Resp: 94156
Ion Ratio Lower Upper
65 100
67 51.8 0.0 104.6

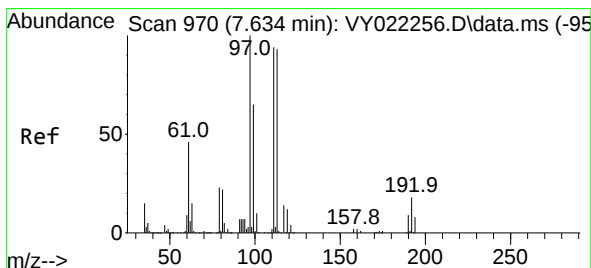
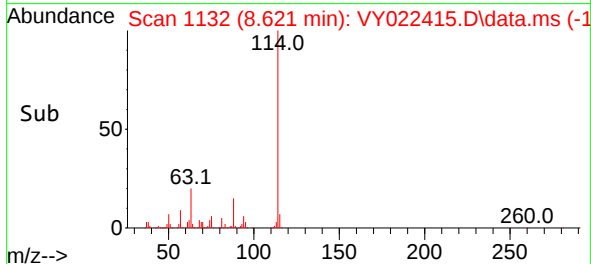
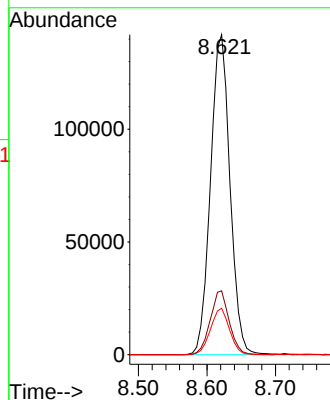
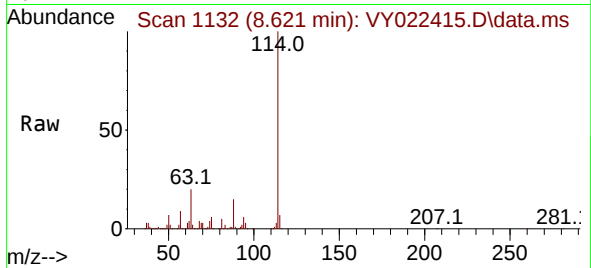




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.621 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY022415.D
Acq: 23 May 2025 18:47

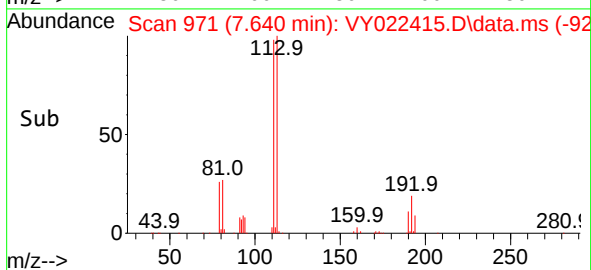
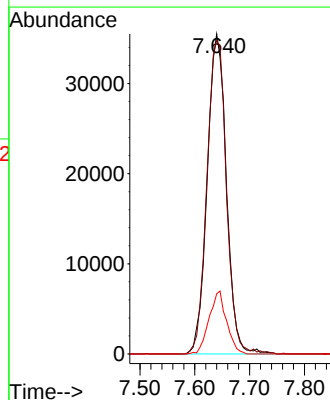
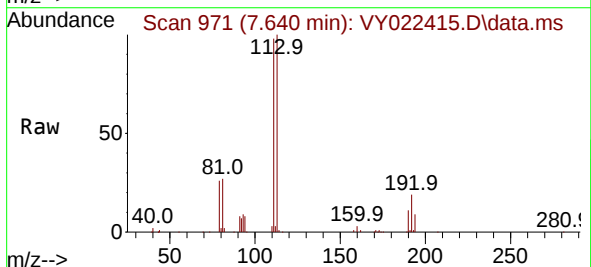
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

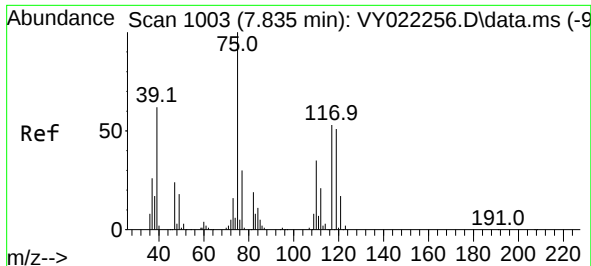
Tgt Ion:114 Resp: 280501
Ion Ratio Lower Upper
114 100
63 19.9 0.0 41.0
88 14.5 0.0 29.4



#35
Dibromofluoromethane
Concen: 51.293 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY022415.D
Acq: 23 May 2025 18:47

Tgt Ion:113 Resp: 85874
Ion Ratio Lower Upper
113 100
111 100.1 82.6 123.8
192 17.9 15.2 22.8

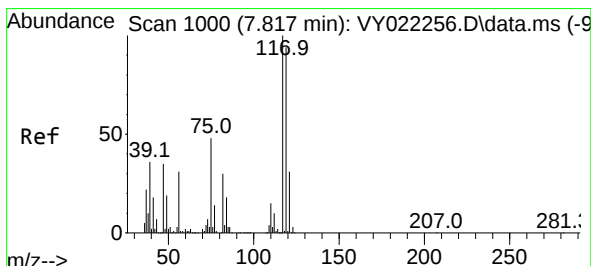
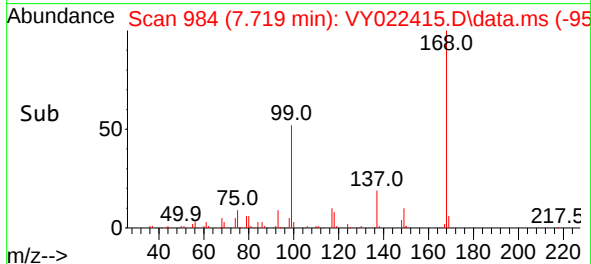
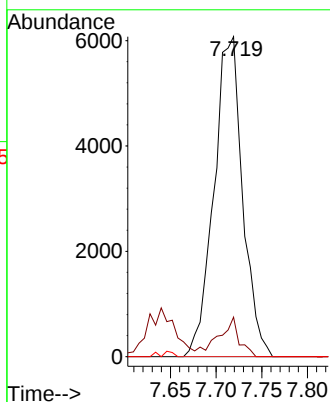
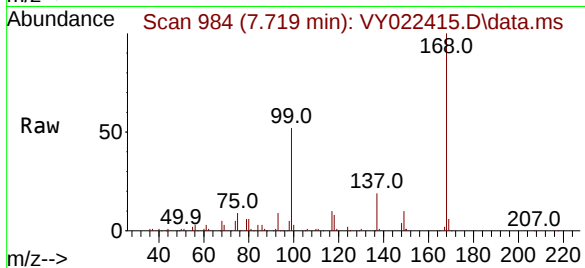




#36
1,1-Dichloropropene
Concen: 4.811 ug/l
RT: 7.719 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022415.D
Acq: 23 May 2025 18:47

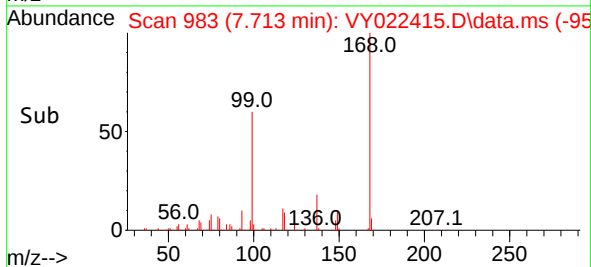
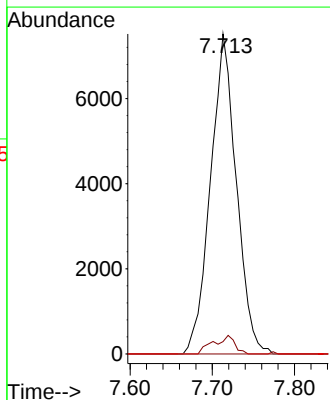
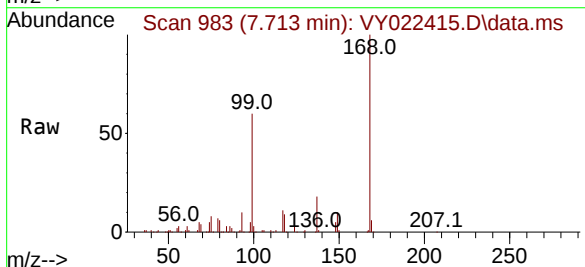
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

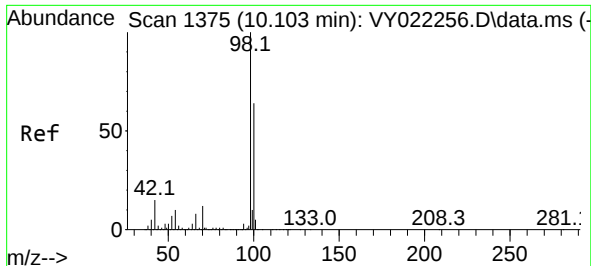
Tgt Ion: 75 Resp: 13267
Ion Ratio Lower Upper
75 100
110 9.0 16.6 49.8#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.756 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.104 min
Lab File: VY022415.D
Acq: 23 May 2025 18:47

Tgt Ion: 117 Resp: 16430
Ion Ratio Lower Upper
117 100
119 3.8 75.3 112.9#
121 0.0 24.7 37.1#

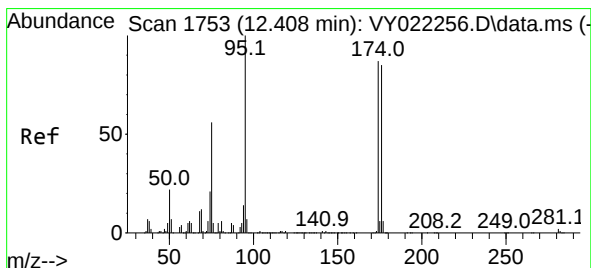
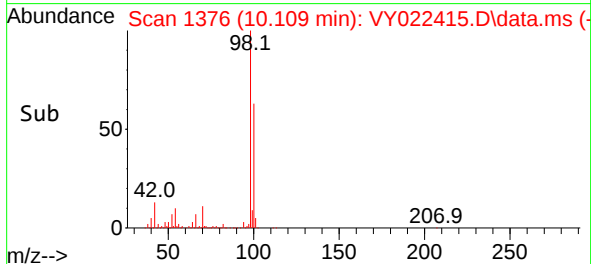
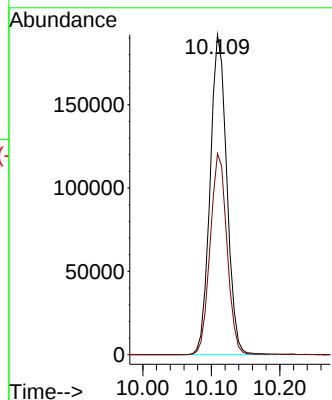
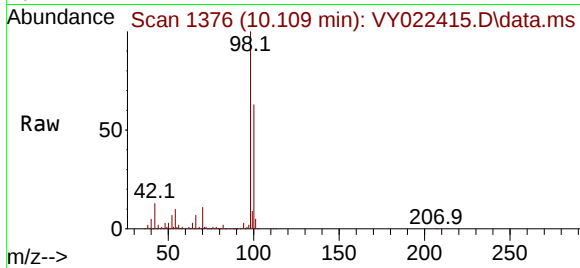




#50
Toluene-d8
Concen: 47.411 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY022415.D
Acq: 23 May 2025 18:47

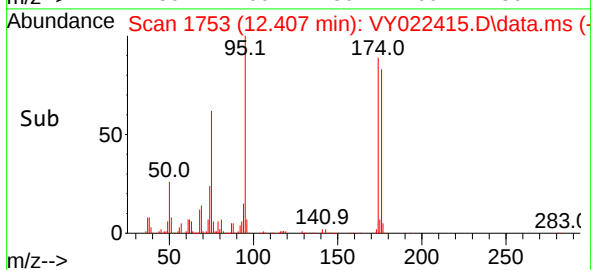
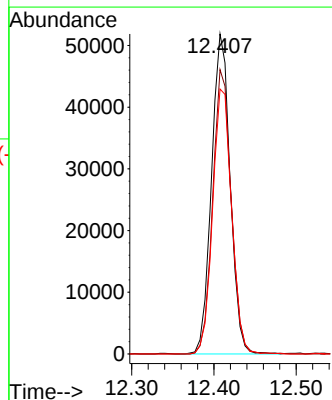
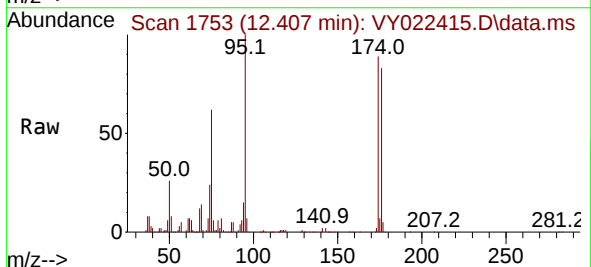
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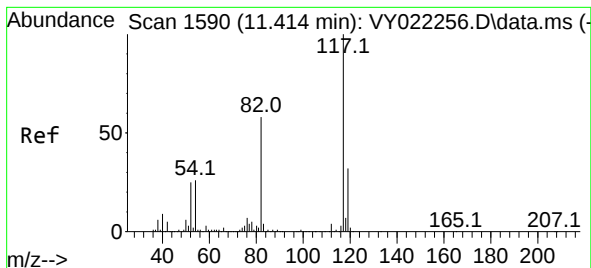
Tgt Ion: 98 Resp: 325089
Ion Ratio Lower Upper
98 100
100 63.4 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 37.594 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022415.D
Acq: 23 May 2025 18:47

Tgt Ion: 95 Resp: 81706
Ion Ratio Lower Upper
95 100
174 88.1 0.0 166.8
176 84.3 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022415.D

Acq: 23 May 2025 18:47

Instrument :

MSVOA_Y

ClientSampleId :

COMP-1

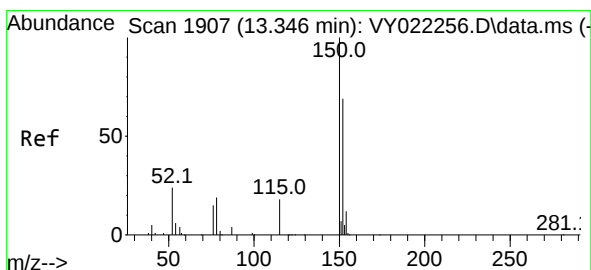
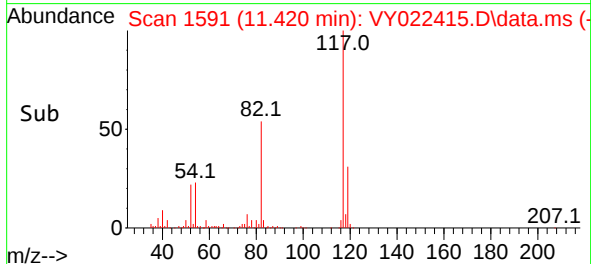
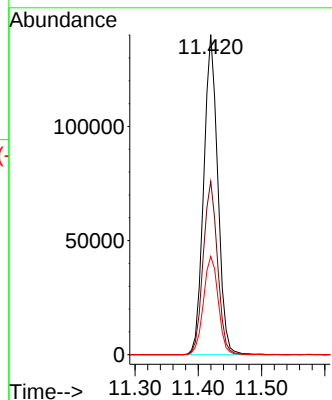
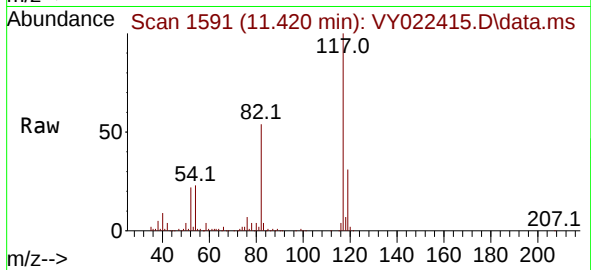
Tgt Ion:117 Resp: 217309

Ion Ratio Lower Upper

117 100

82 54.2 46.6 70.0

119 30.7 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022415.D

Acq: 23 May 2025 18:47

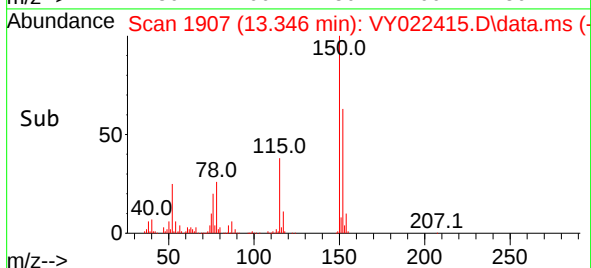
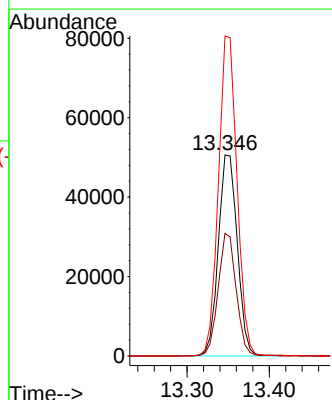
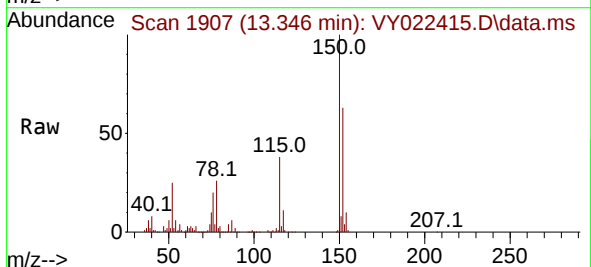
Tgt Ion:152 Resp: 81252

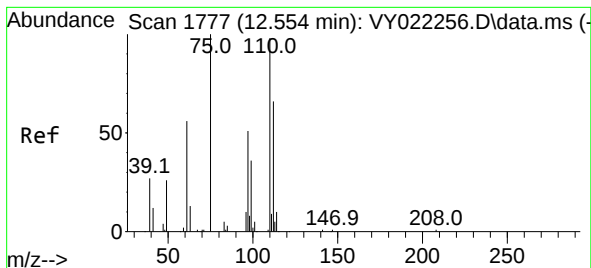
Ion Ratio Lower Upper

152 100

115 58.2 29.4 88.2

150 155.9 0.0 353.8





#76

1,2,3-Trichloropropane

Concen: 58.355 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.147 min

Lab File: VY022415.D

Acq: 23 May 2025 18:47

Instrument :

MSVOA_Y

ClientSampleId :

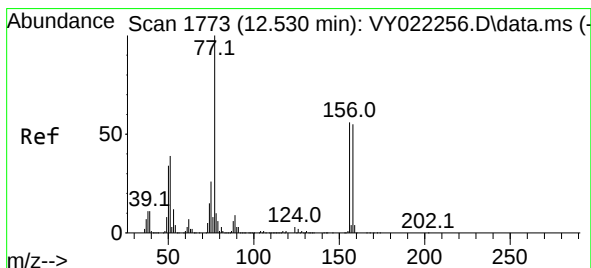
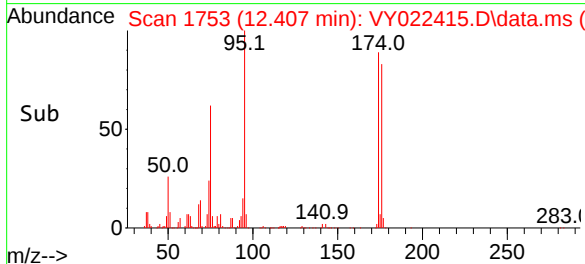
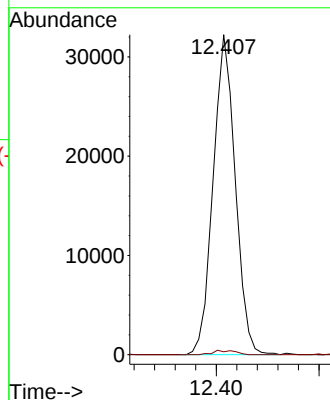
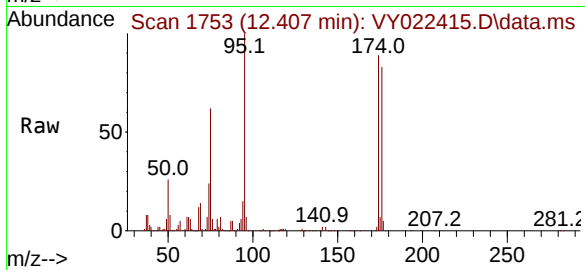
COMP-1

Tgt Ion: 75 Resp: 48036

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#77

Bromobenzene

Concen: 1.084 ug/l

RT: 12.645 min Scan# 1792

Delta R.T. 0.116 min

Lab File: VY022415.D

Acq: 23 May 2025 18:47

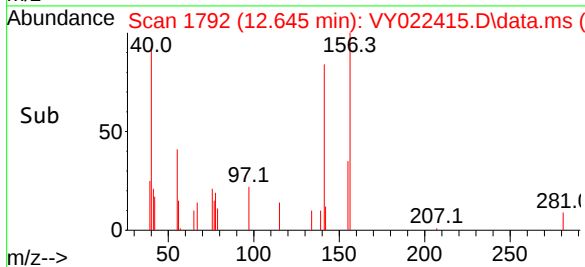
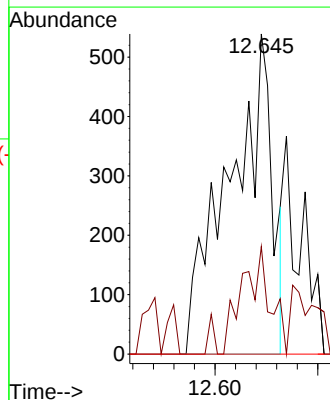
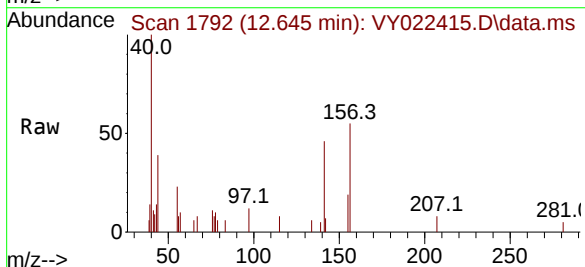
Tgt Ion: 156 Resp: 1558

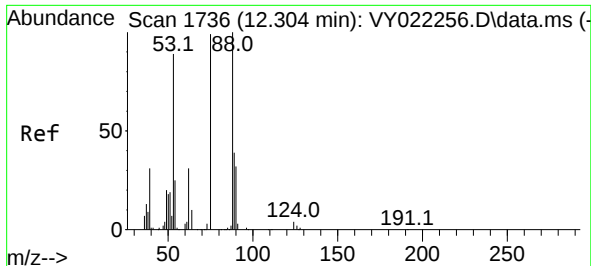
Ion Ratio Lower Upper

156 100

77 12.1 94.5 283.6#

158 0.0 48.4 145.3#

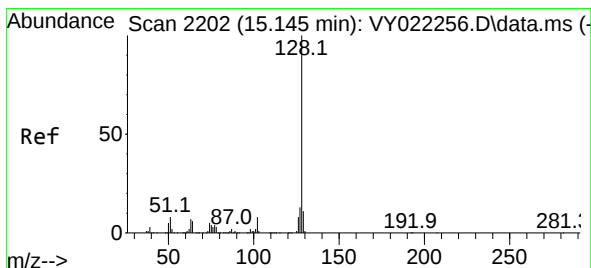
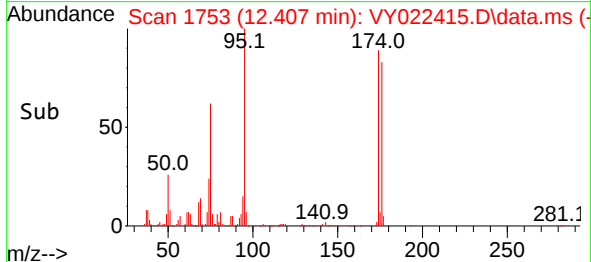
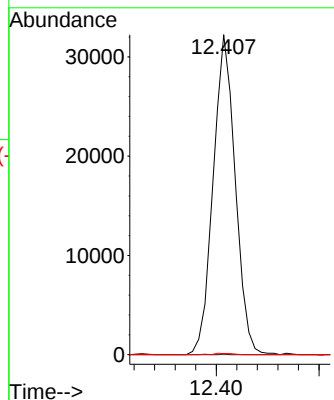
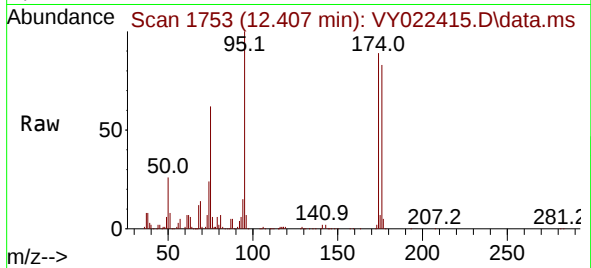




#81
trans-1,4-Dichloro-2-butene
Concen: 118.213 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.103 min
Lab File: VY022415.D
Acq: 23 May 2025 18:47

Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

Tgt Ion: 75 Resp: 48036
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.3 36.2 54.2#



#95
Naphthalene
Concen: 25.228 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. -0.000 min
Lab File: VY022415.D
Acq: 23 May 2025 18:47

Tgt Ion:128 Resp: 68173
Ion Ratio Lower Upper
128 100
127 12.5 10.2 15.2
129 11.4 8.8 13.2

