

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
 Data File : VY022396.D
 Acq On : 22 May 2025 15:19
 Operator : SY/MD
 Sample : Q2074-08
 Misc : 5.77g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-18

Quant Time: May 23 03:38:47 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)

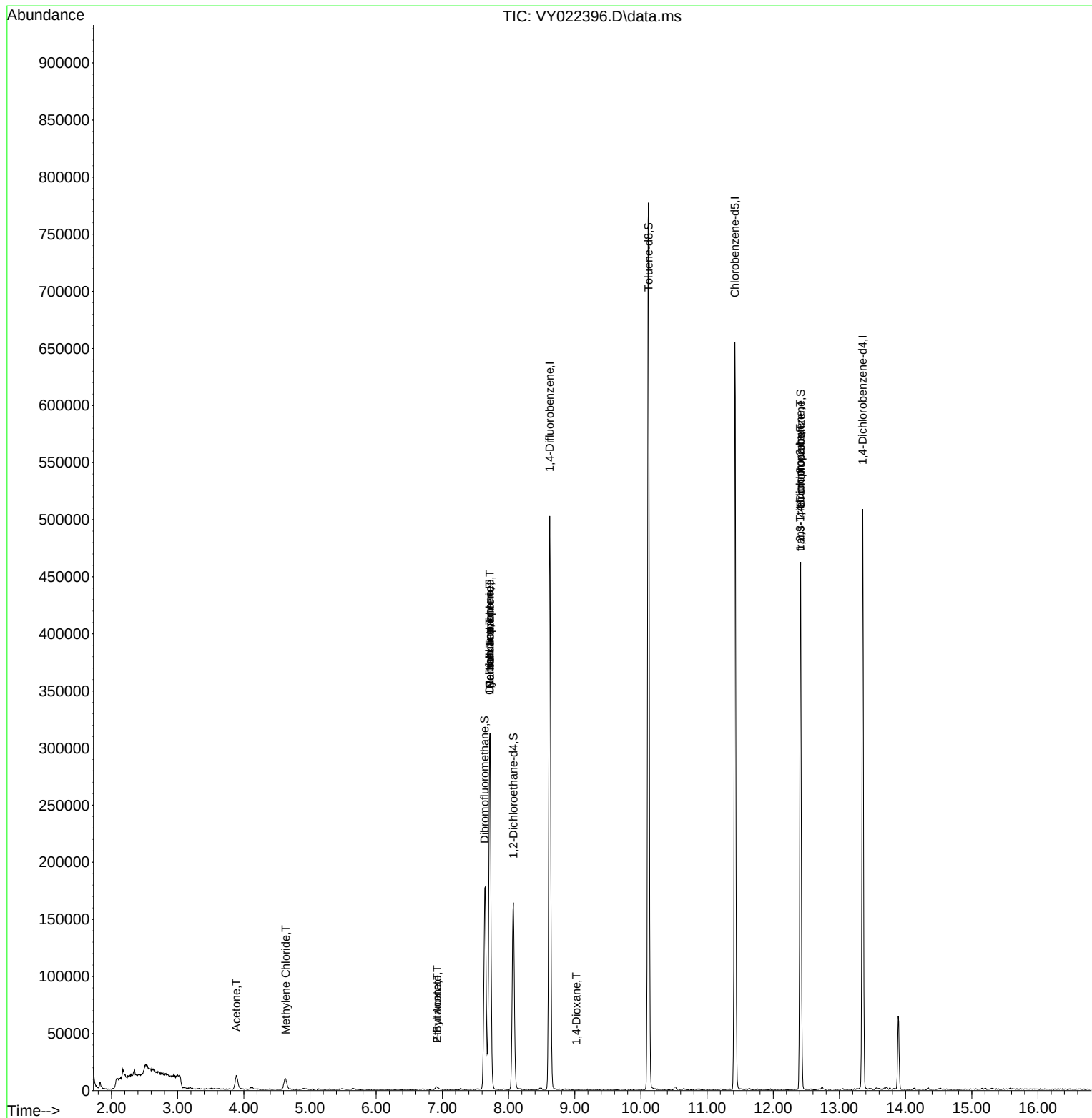
Internal Standards						
1) Pentafluorobenzene	7.719	168	236909	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	424090	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	327971	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	117014	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	121510	46.930	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.860%		
35) Dibromofluoromethane	7.640	113	122812	48.519	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.040%		
50) Toluene-d8	10.115	98	496981	47.940	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.880%		
62) 4-Bromofluorobenzene	12.414	95	122403	37.251	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	74.500%		
Target Compounds						Qvalue
16) Acetone	3.885	43	23151	47.686	ug/l	98
20) Methylene Chloride	4.634	84	6768	2.157	ug/l #	83
25) 2-Butanone	6.921	43	4170	5.135	ug/l #	85
31) Cyclohexane	7.713	56	6318	1.206	ug/l #	49
36) 1,1-Dichloropropene	7.713	75	19784	4.745	ug/l #	50
37) Ethyl Acetate	6.921	43	4170	2.079	ug/l #	70
38) Carbon Tetrachloride	7.719	117	24091	5.582	ug/l #	17
49) 1,4-Dioxane	9.024	88	23	1.267	ug/l #	1
76) 1,2,3-Trichloropropane	12.407	75	71604	60.401	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	71604	122.357	ug/l #	12

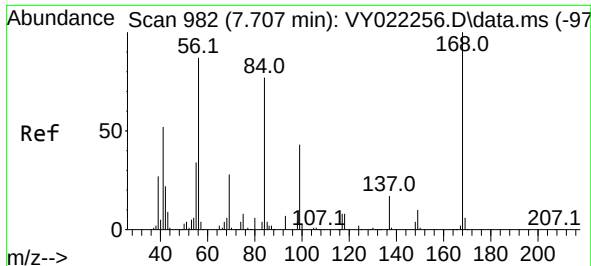
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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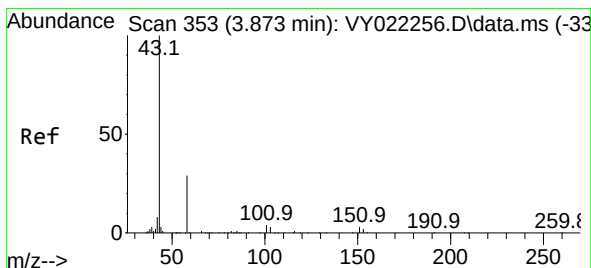
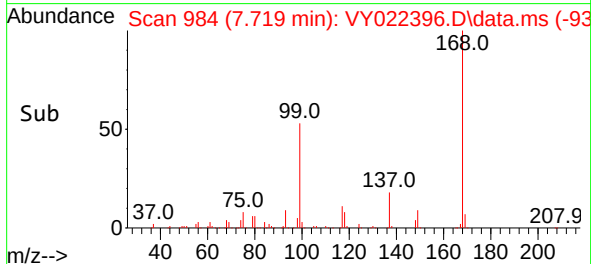
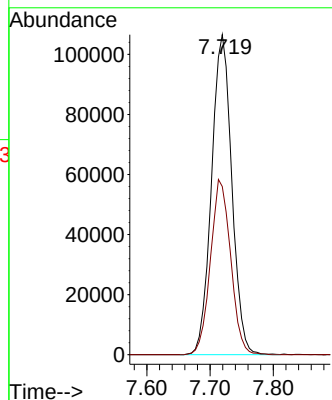
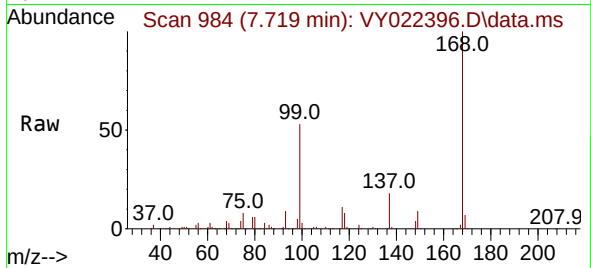




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY022396.D
Acq: 22 May 2025 15:19

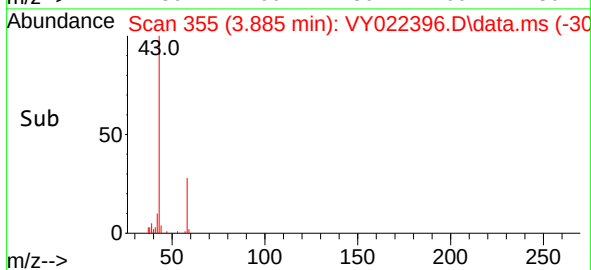
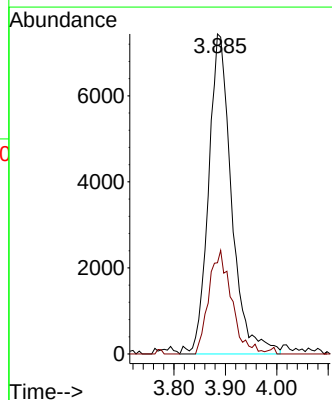
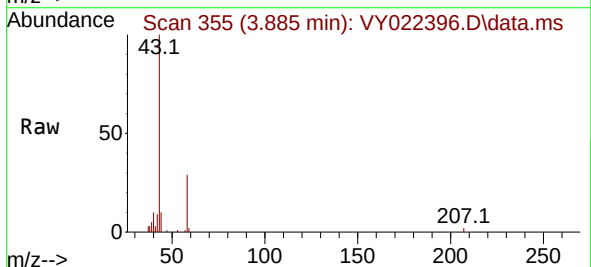
Instrument :
MSVOA_Y
ClientSampleId :
TP-18

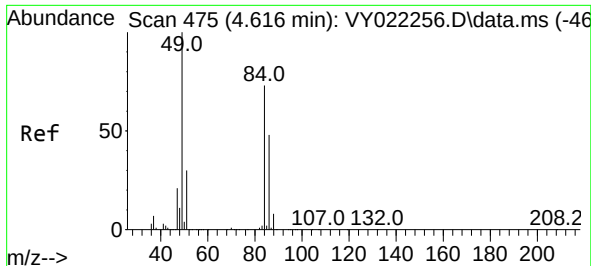
Tgt Ion:168 Resp: 236909
Ion Ratio Lower Upper
168 100
99 52.6 44.2 66.4



#16
Acetone
Concen: 47.686 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.012 min
Lab File: VY022396.D
Acq: 22 May 2025 15:19

Tgt Ion: 43 Resp: 23151
Ion Ratio Lower Upper
43 100
58 28.5 23.6 35.4

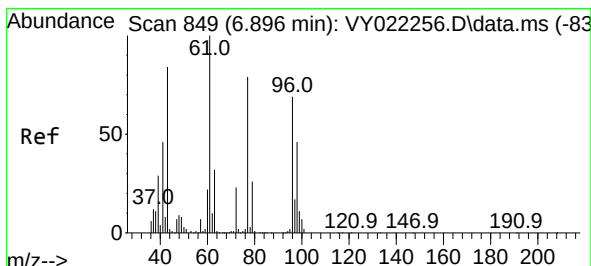
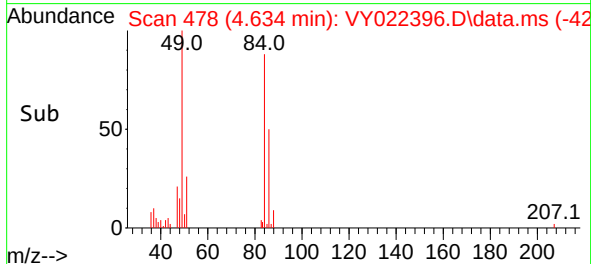
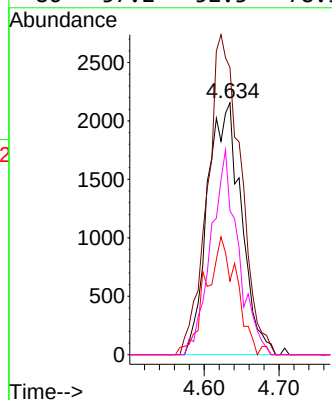
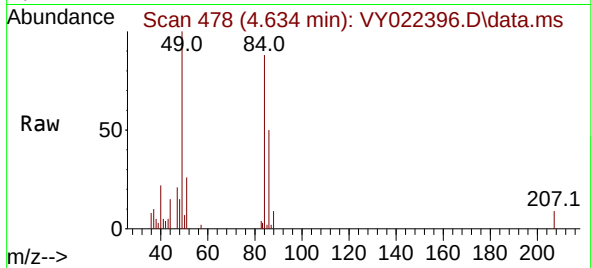




#20
Methylene Chloride
Concen: 2.157 ug/l
RT: 4.634 min Scan# 41
Delta R.T. 0.018 min
Lab File: VY022396.D
Acq: 22 May 2025 15:19

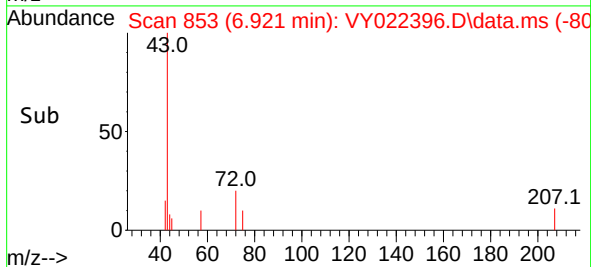
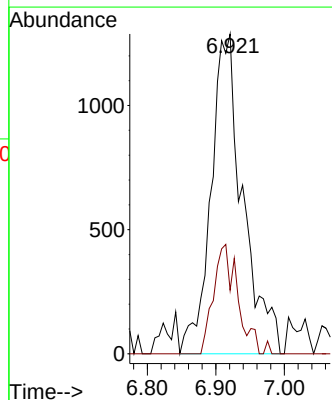
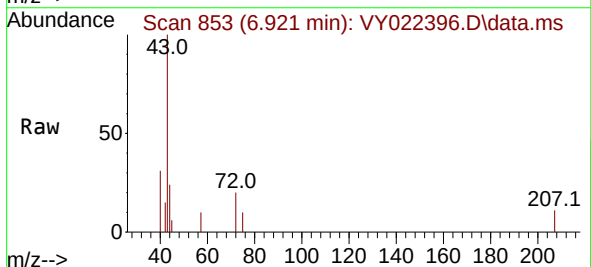
Instrument :
MSVOA_Y
ClientSampleId :
TP-18

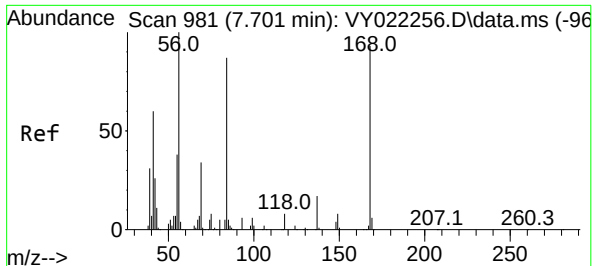
Tgt Ion: 84 Resp: 6768
Ion Ratio Lower Upper
84 100
49 114.1 109.6 164.4
51 29.2 32.4 48.6#
86 57.2 52.3 78.5



#25
2-Butanone
Concen: 5.135 ug/l
RT: 6.921 min Scan# 853
Delta R.T. 0.024 min
Lab File: VY022396.D
Acq: 22 May 2025 15:19

Tgt Ion: 43 Resp: 4170
Ion Ratio Lower Upper
43 100
72 19.9 22.1 33.1#

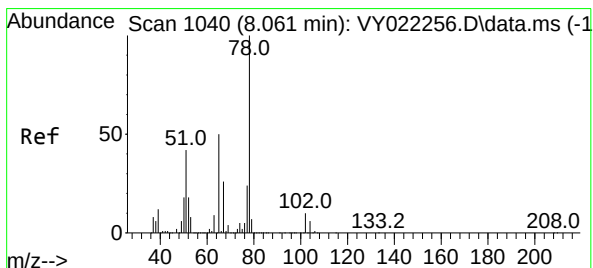
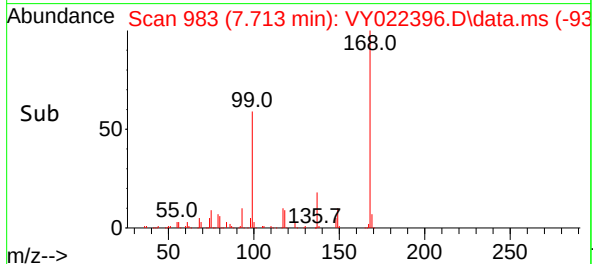
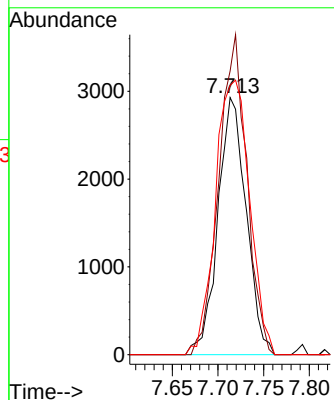
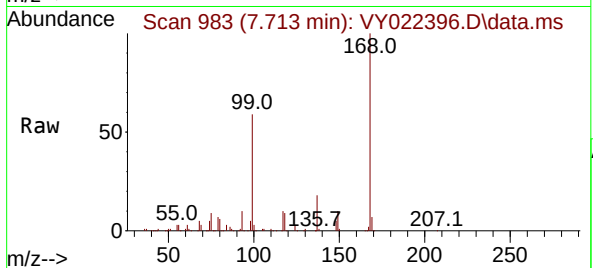




#31
Cyclohexane
Concen: 1.206 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY022396.D
Acq: 22 May 2025 15:19

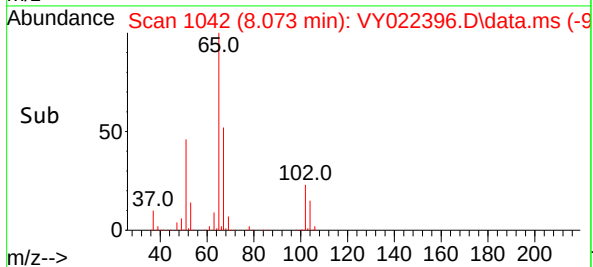
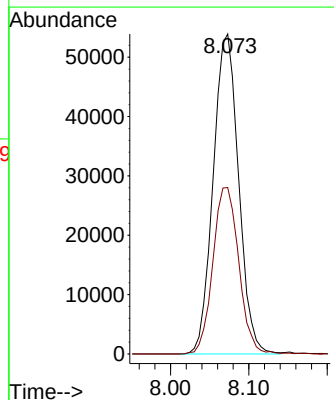
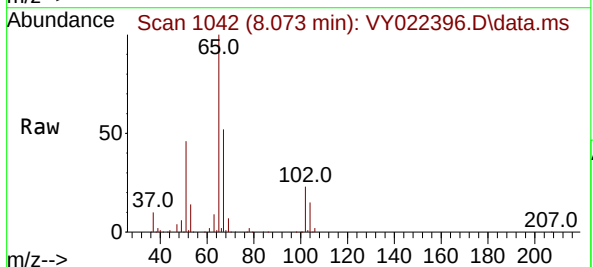
Instrument :
MSVOA_Y
ClientSampleId :
TP-18

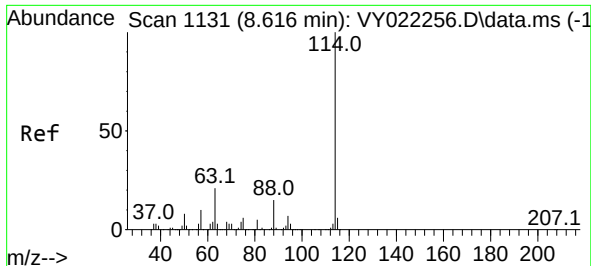
Tgt Ion: 56 Resp: 6318
Ion Ratio Lower Upper
56 100
69 110.3 27.4 41.2#
84 104.7 70.0 105.0



#33
1,2-Dichloroethane-d4
Concen: 46.930 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.012 min
Lab File: VY022396.D
Acq: 22 May 2025 15:19

Tgt Ion: 65 Resp: 121510
Ion Ratio Lower Upper
65 100
67 53.1 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022396.D

Acq: 22 May 2025 15:19

Instrument :

MSVOA_Y

ClientSampleId :

TP-18

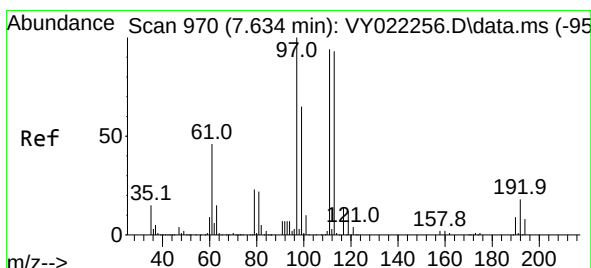
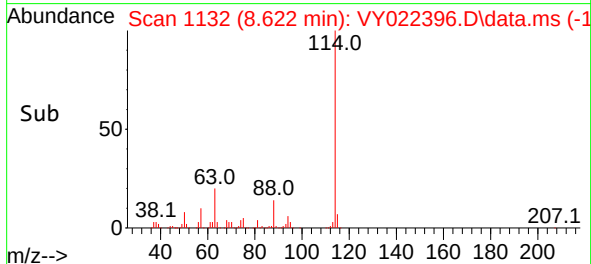
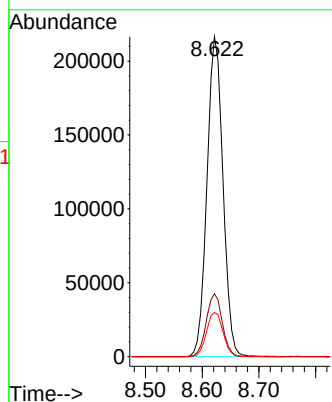
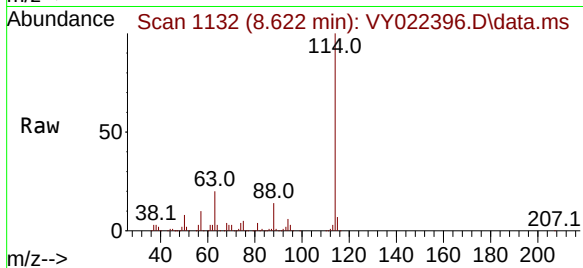
Tgt Ion:114 Resp: 424090

Ion Ratio Lower Upper

114 100

63 19.6 0.0 41.0

88 13.8 0.0 29.4



#35

Dibromofluoromethane

Concen: 48.519 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY022396.D

Acq: 22 May 2025 15:19

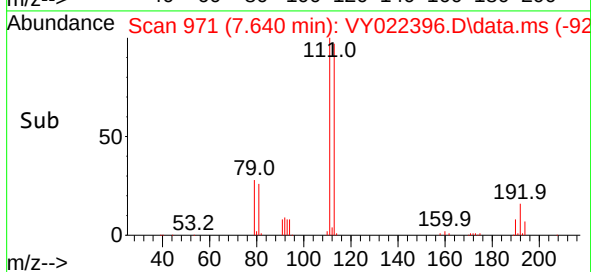
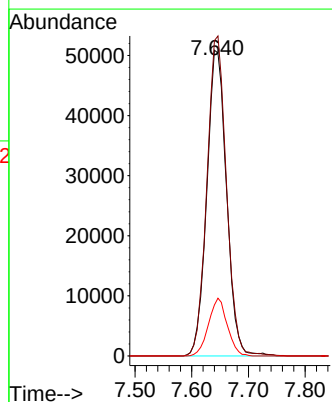
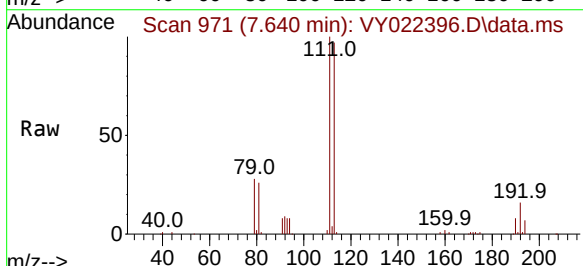
Tgt Ion:113 Resp: 122812

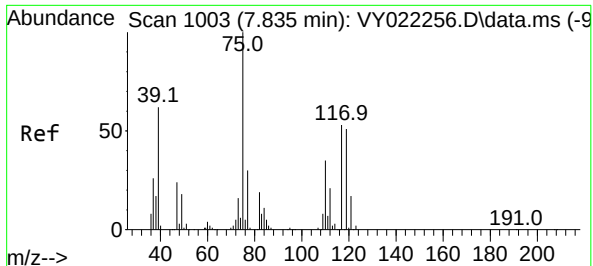
Ion Ratio Lower Upper

113 100

111 103.7 82.6 123.8

192 18.0 15.2 22.8





#36

1,1-Dichloropropene

Concen: 4.745 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY022396.D

Acq: 22 May 2025 15:19

Instrument :

MSVOA_Y

ClientSampleId :

TP-18

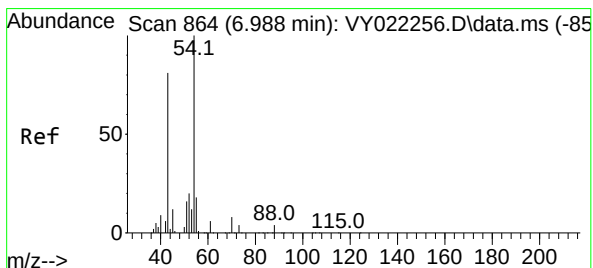
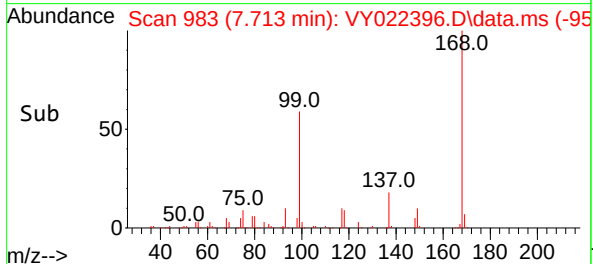
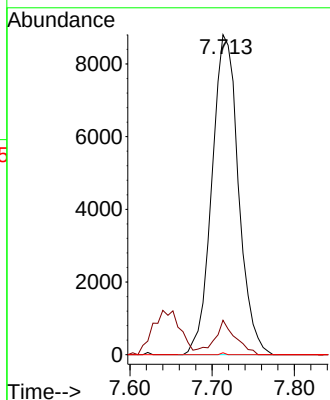
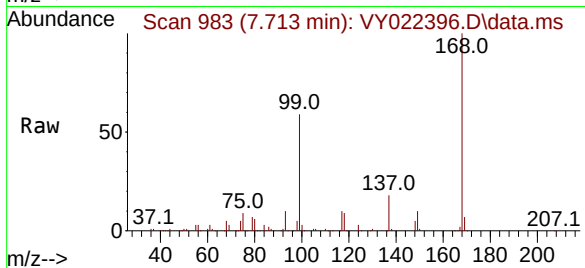
Tgt Ion: 75 Resp: 19784

Ion Ratio Lower Upper

75 100

110 8.3 16.6 49.8#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 2.079 ug/l

RT: 6.921 min Scan# 853

Delta R.T. -0.067 min

Lab File: VY022396.D

Acq: 22 May 2025 15:19

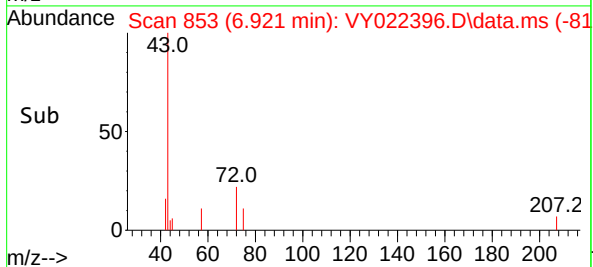
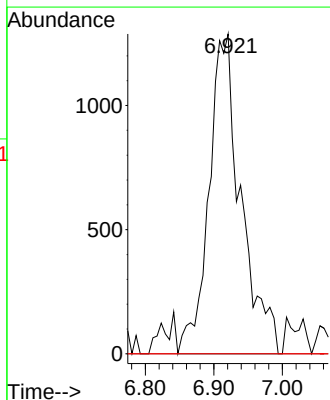
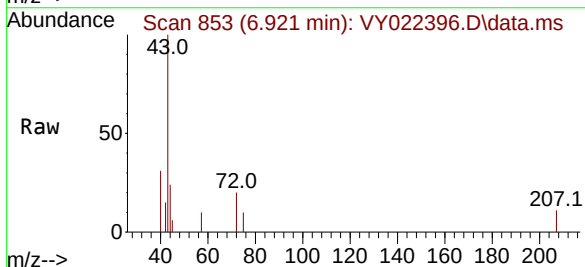
Tgt Ion: 43 Resp: 4170

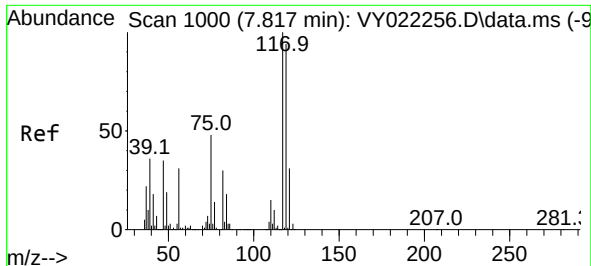
Ion Ratio Lower Upper

43 100

61 0.0 10.2 15.2#

70 0.0 7.6 11.4#

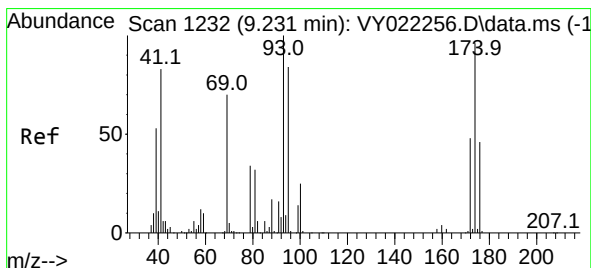
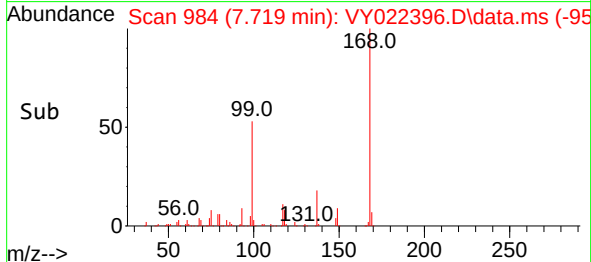
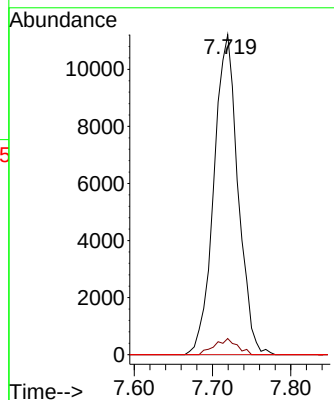
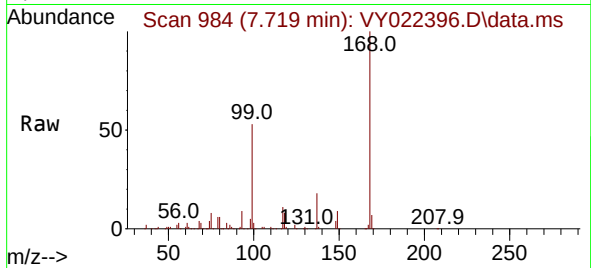




#38
Carbon Tetrachloride
Concen: 5.582 ug/l
RT: 7.719 min Scan# 91
Delta R.T. -0.098 min
Lab File: VY022396.D
Acq: 22 May 2025 15:19

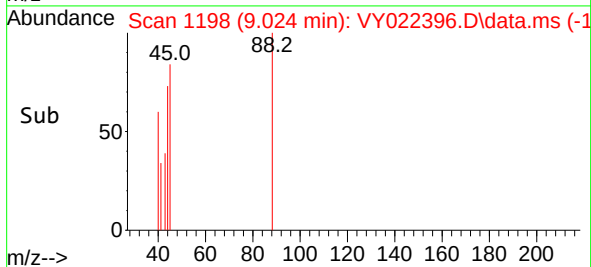
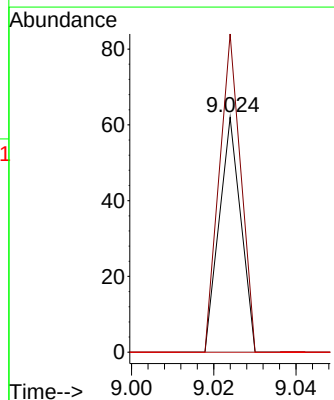
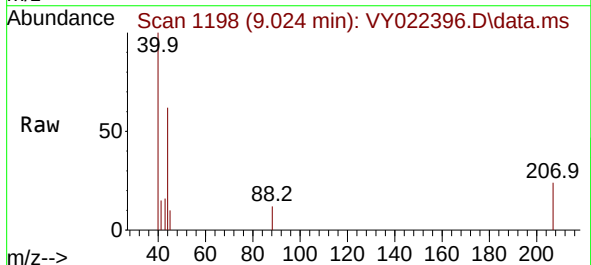
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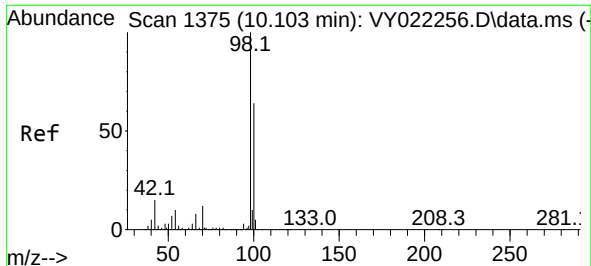
Tgt Ion:117 Resp: 24091
Ion Ratio Lower Upper
117 100
119 5.1 75.3 112.9#
121 0.0 24.7 37.1#



#49
1,4-Dioxane
Concen: 1.267 ug/l
RT: 9.024 min Scan# 1198
Delta R.T. -0.207 min
Lab File: VY022396.D
Acq: 22 May 2025 15:19

Tgt Ion: 88 Resp: 23
Ion Ratio Lower Upper
88 100
43 134.8 28.5 42.7#
58 0.0 61.4 92.2#

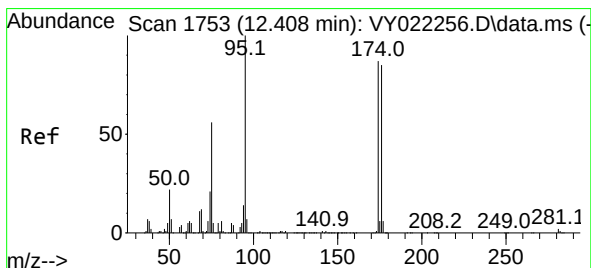
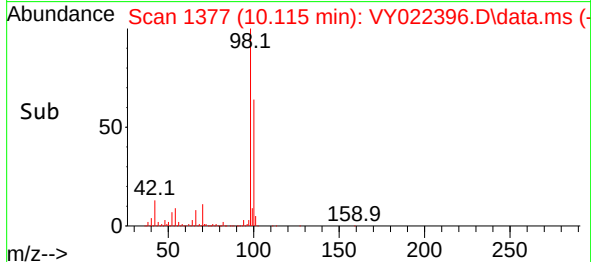
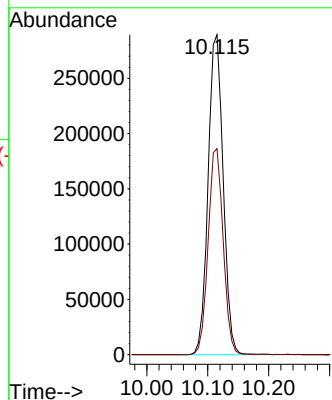
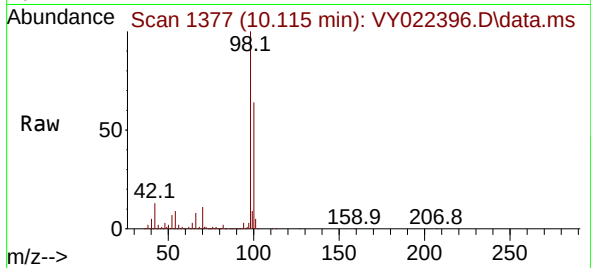




#50
Toluene-d8
Concen: 47.940 ug/l
RT: 10.115 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY022396.D
Acq: 22 May 2025 15:19

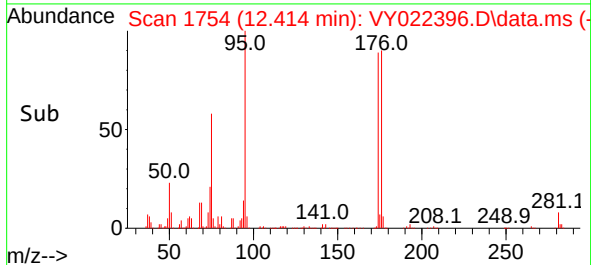
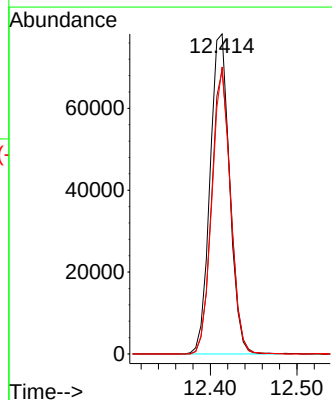
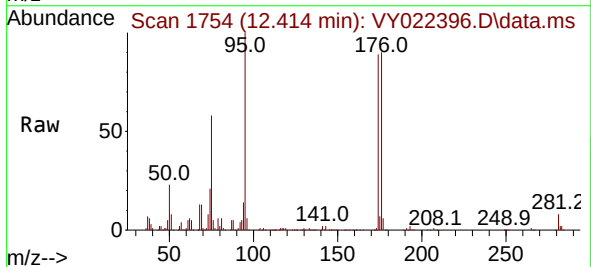
Instrument :
MSVOA_Y
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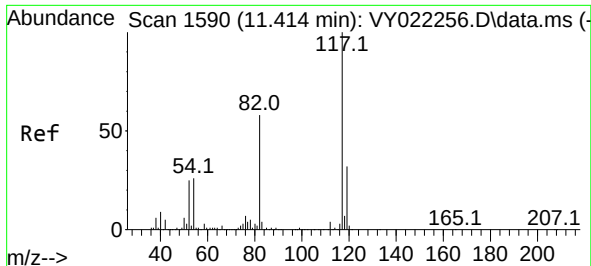
Tgt Ion: 98 Resp: 496981
Ion Ratio Lower Upper
98 100
100 64.3 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 37.251 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY022396.D
Acq: 22 May 2025 15:19

Tgt Ion: 95 Resp: 122403
Ion Ratio Lower Upper
95 100
174 86.5 0.0 166.8
176 84.8 0.0 160.8

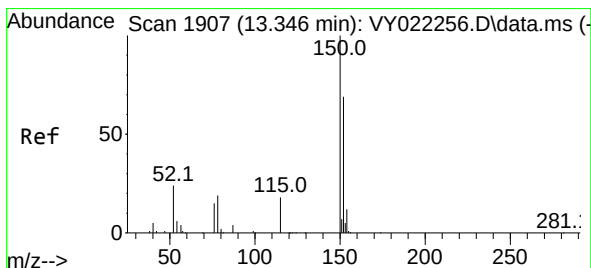
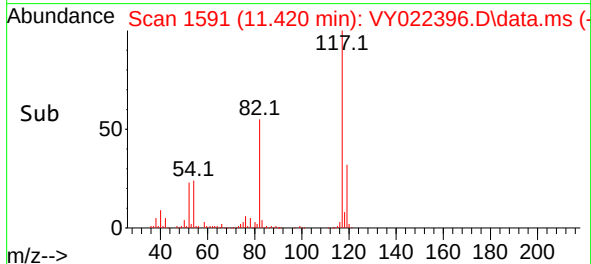
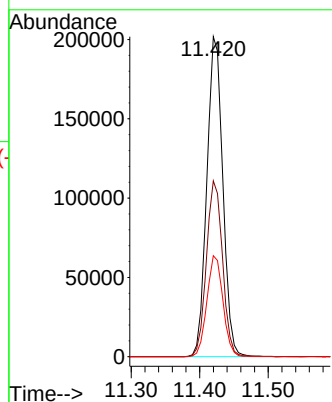
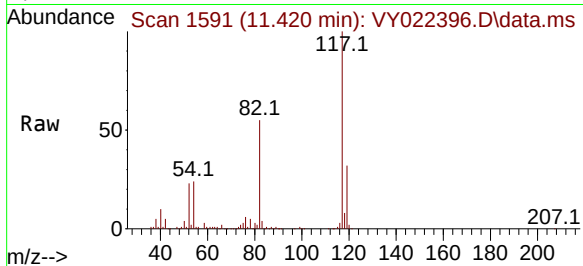




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022396.D
Acq: 22 May 2025 15:19

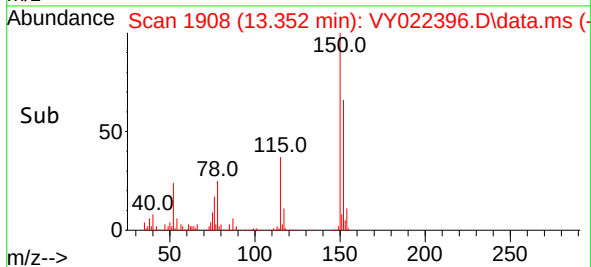
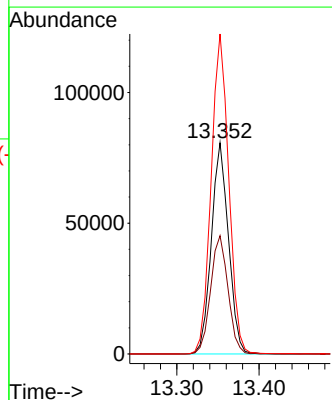
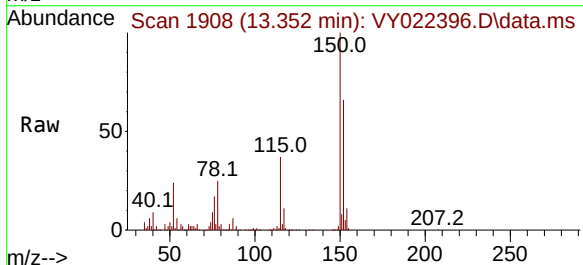
Instrument :
MSVOA_Y
ClientSampleId :
TP-18

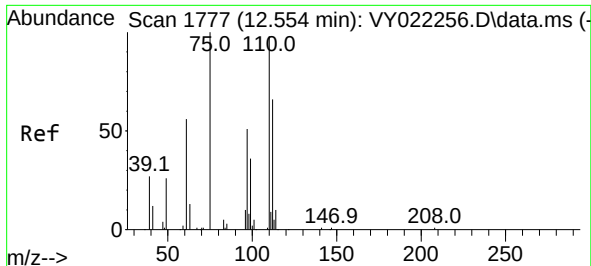
Tgt Ion:117 Resp: 327971
Ion Ratio Lower Upper
117 100
82 54.9 46.6 70.0
119 31.5 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022396.D
Acq: 22 May 2025 15:19

Tgt Ion:152 Resp: 117014
Ion Ratio Lower Upper
152 100
115 56.8 29.4 88.2
150 155.2 0.0 353.8

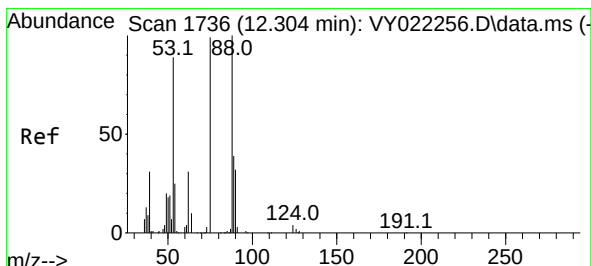
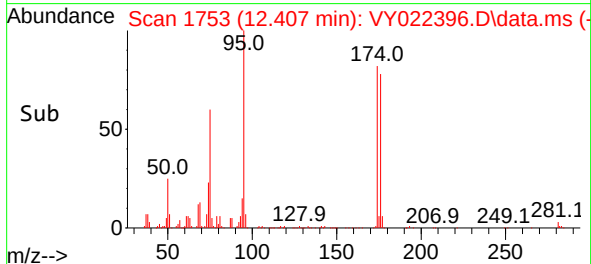
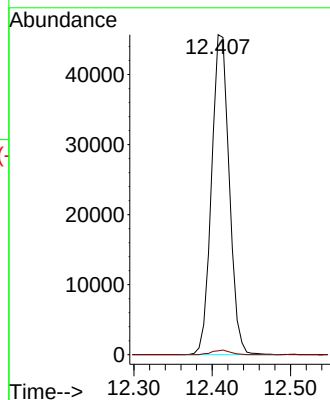
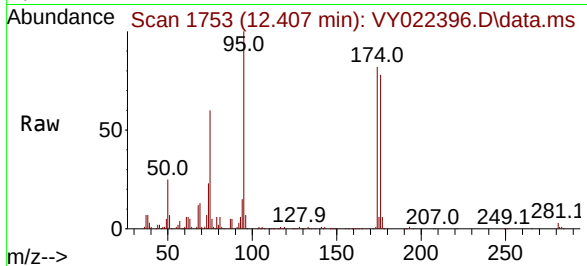




#76
1,2,3-Trichloropropane
Concen: 60.401 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY022396.D
Acq: 22 May 2025 15:19

Instrument :
MSVOA_Y
ClientSampleId :
TP-18

Tgt Ion: 75 Resp: 71604
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 122.357 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY022396.D
Acq: 22 May 2025 15:19

Tgt Ion: 75 Resp: 71604
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.1 36.2 54.2#

