

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
 Data File : VY022342.D
 Acq On : 20 May 2025 14:59
 Operator : SY/MD
 Sample : Q1984-19
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-29

Quant Time: May 21 01:49:50 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)

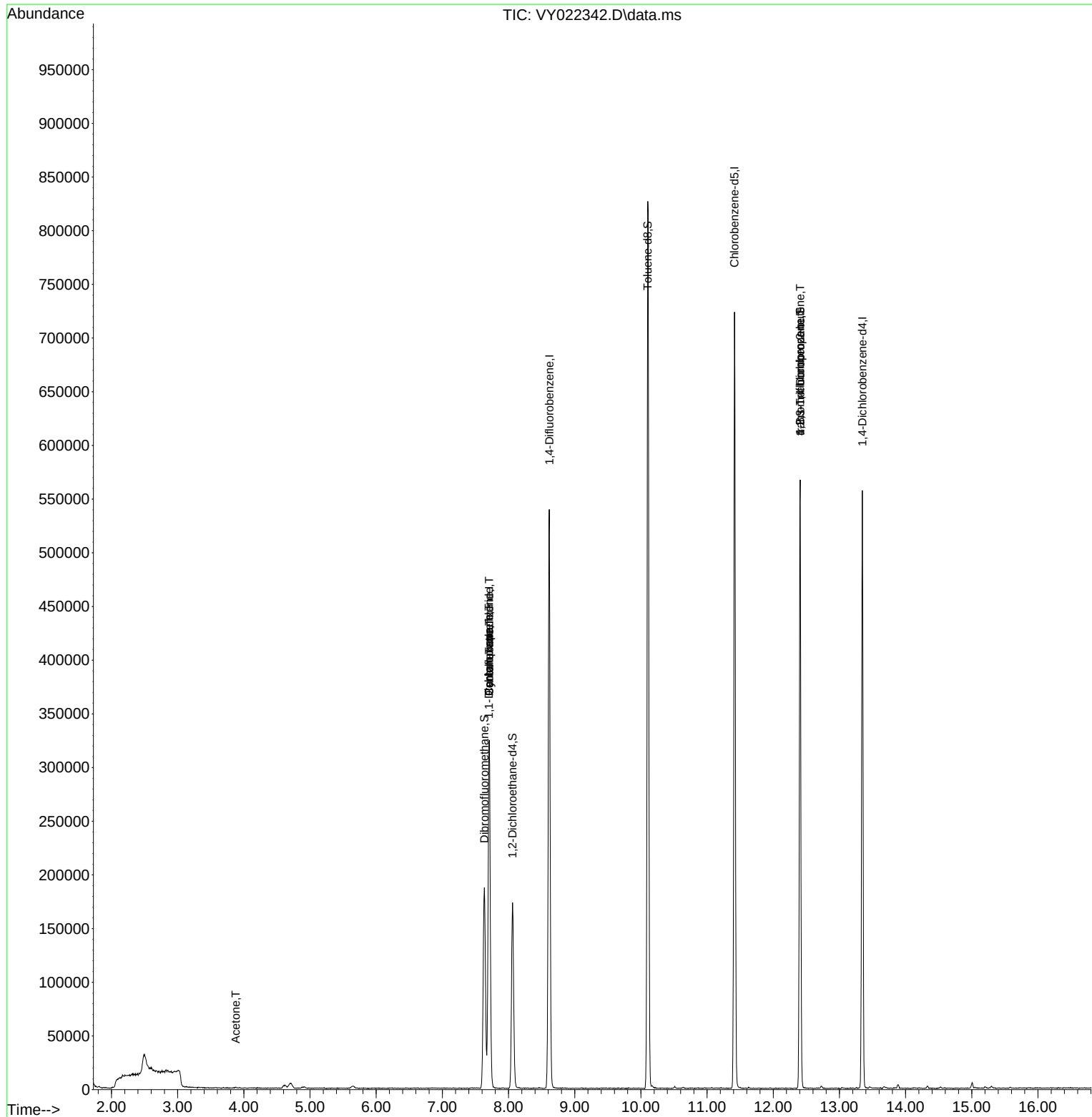
Internal Standards						
1) Pentafluorobenzene	7.707	168	242950	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	438802	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	347338	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	124373	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	129306	48.699	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.400%
35) Dibromofluoromethane	7.634	113	129394	49.405	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.820%
50) Toluene-d8	10.103	98	519822	48.462	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.920%
62) 4-Bromofluorobenzene	12.408	95	157109	46.210	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	92.420%
Target Compounds						Qvalue
16) Acetone	3.879	43	559	1.123	ug/l #	80
31) Cyclohexane	7.707	56	6526	1.215	ug/l #	28
36) 1,1-Dichloropropene	7.701	75	21154	4.904	ug/l #	50
38) Carbon Tetrachloride	7.707	117	25080	5.617	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	91871	72.912	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	91871	147.701	ug/l #	12

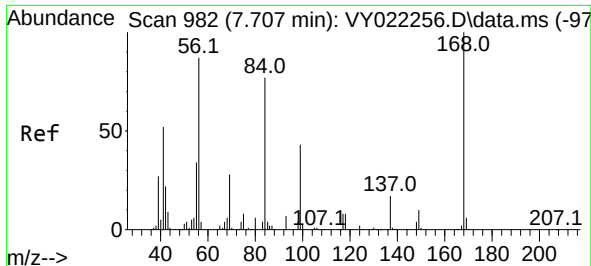
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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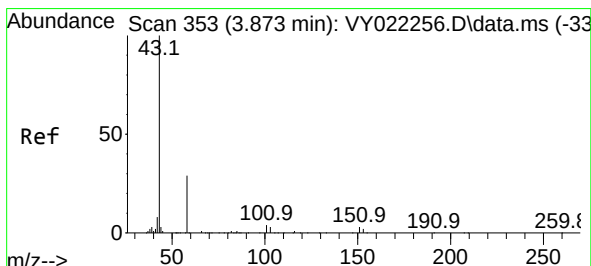
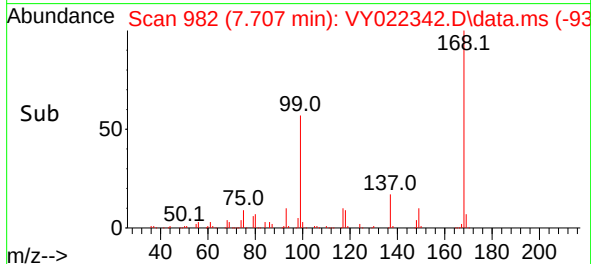
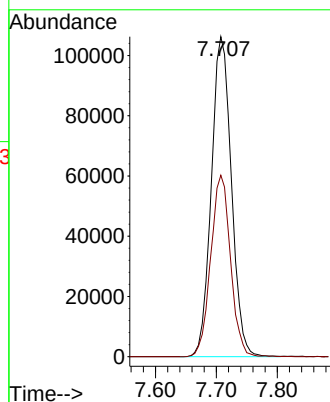
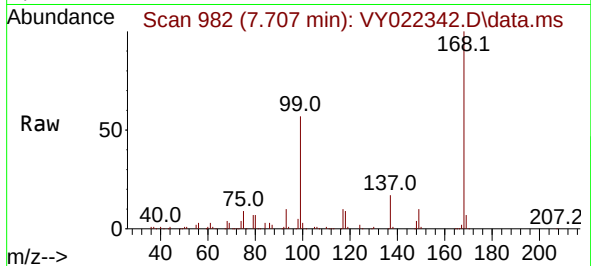




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022342.D
Acq: 20 May 2025 14:59

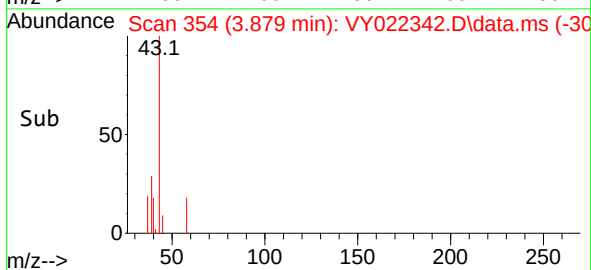
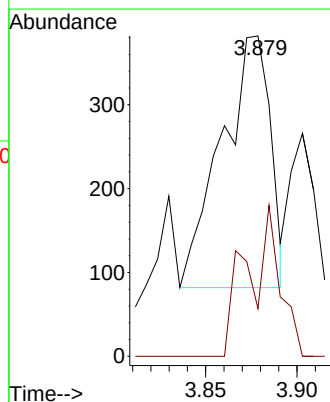
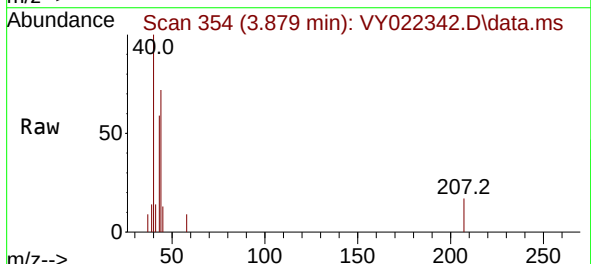
Instrument :
MSVOA_Y
ClientSampleId :
TP-29

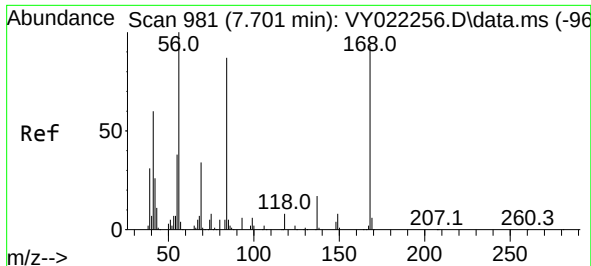
Tgt Ion:168 Resp: 242950
Ion Ratio Lower Upper
168 100
99 56.7 44.2 66.4



#16
Acetone
Concen: 1.123 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY022342.D
Acq: 20 May 2025 14:59

Tgt Ion: 43 Resp: 559
Ion Ratio Lower Upper
43 100
58 19.0 23.6 35.4#

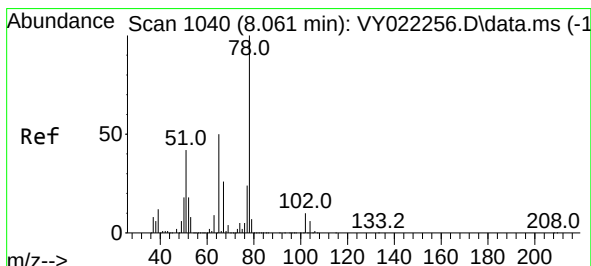
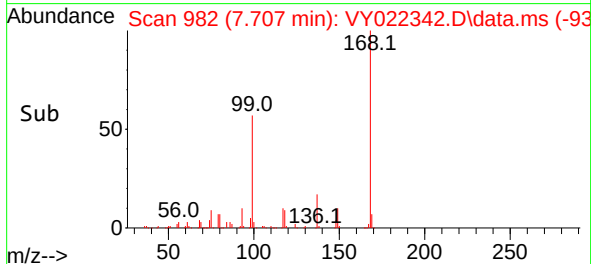
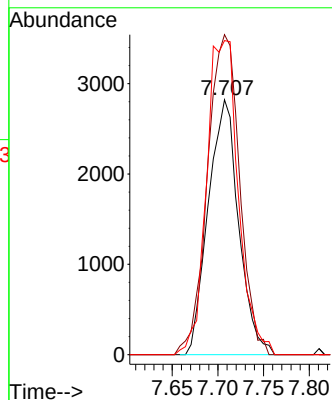
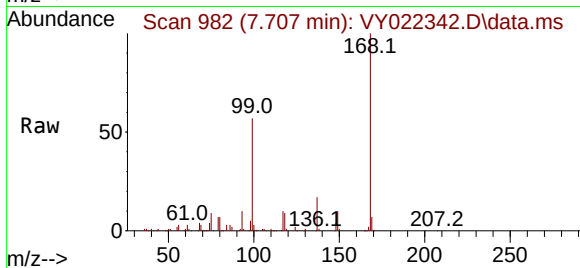




#31
Cyclohexane
Concen: 1.215 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY022342.D
Acq: 20 May 2025 14:59

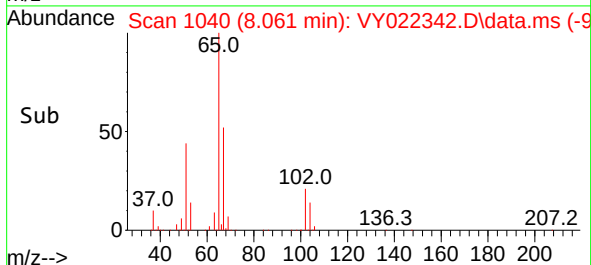
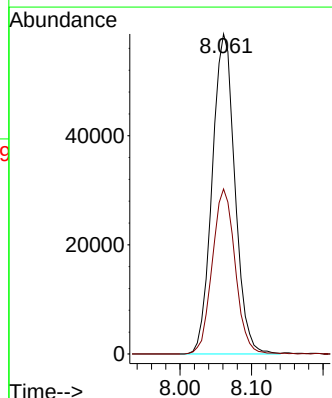
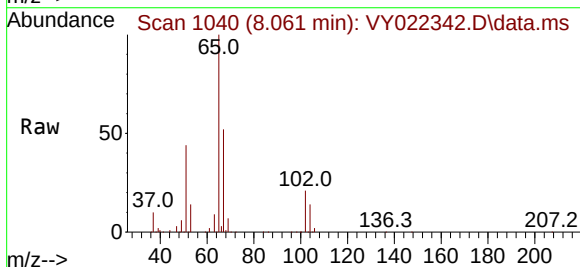
Instrument :
MSVOA_Y
ClientSampleId :
TP-29

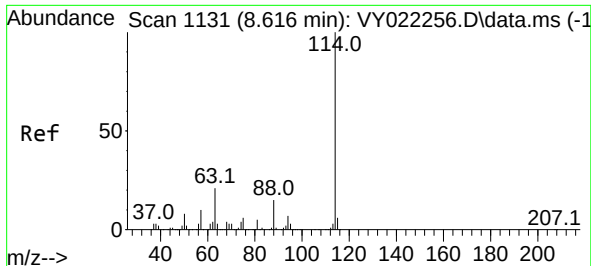
Tgt Ion: 56 Resp: 6526
Ion Ratio Lower Upper
56 100
69 125.5 27.4 41.2#
84 123.2 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 48.699 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022342.D
Acq: 20 May 2025 14:59

Tgt Ion: 65 Resp: 129306
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.6

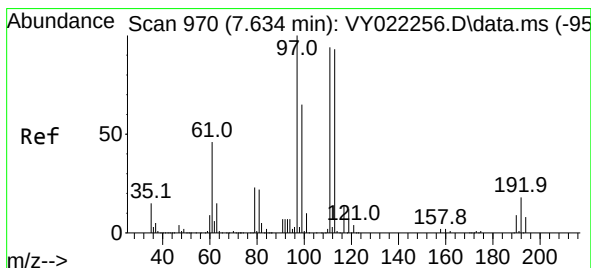
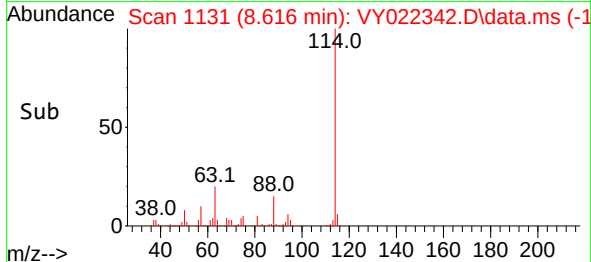
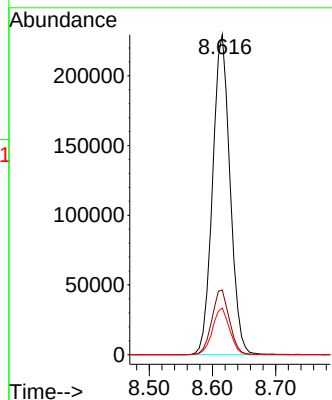
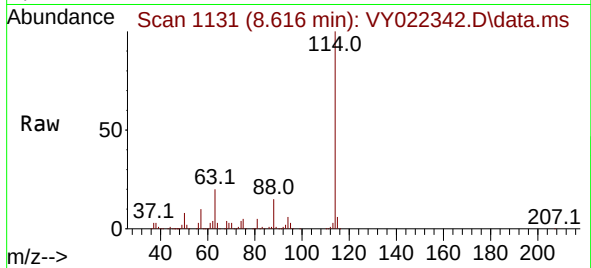




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022342.D
Acq: 20 May 2025 14:59

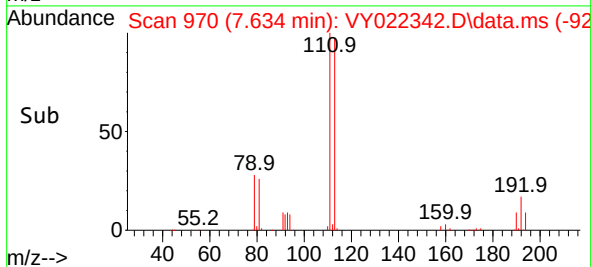
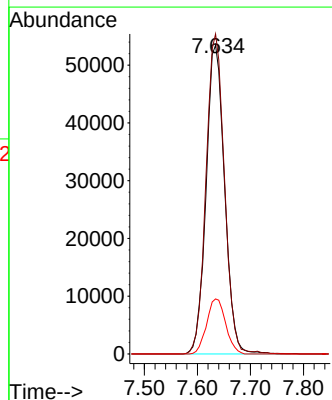
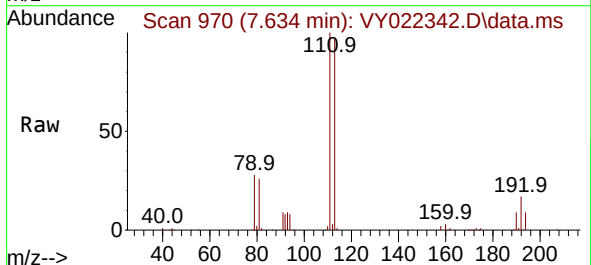
Instrument :
MSVOA_Y
ClientSampleId :
TP-29

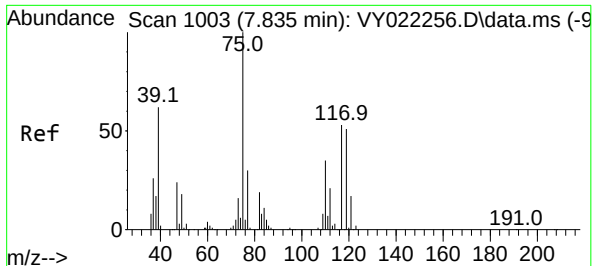
Tgt Ion:114 Resp: 438802
Ion Ratio Lower Upper
114 100
63 20.2 0.0 41.0
88 14.6 0.0 29.4



#35
Dibromofluoromethane
Concen: 49.405 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022342.D
Acq: 20 May 2025 14:59

Tgt Ion:113 Resp: 129394
Ion Ratio Lower Upper
113 100
111 103.3 82.6 123.8
192 18.3 15.2 22.8





#36

1,1-Dichloropropene

Concen: 4.904 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.134 min

Lab File: VY022342.D

Acq: 20 May 2025 14:59

Instrument :

MSVOA_Y

ClientSampleId :

TP-29

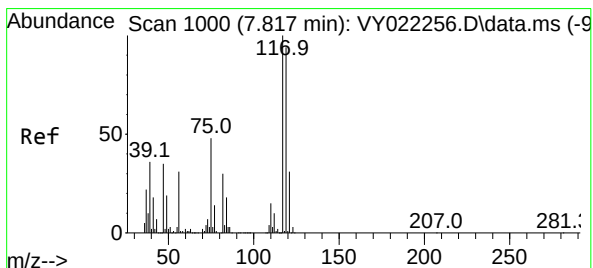
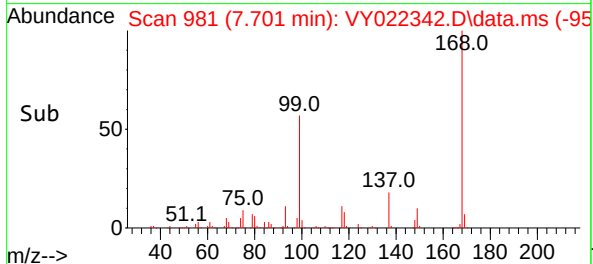
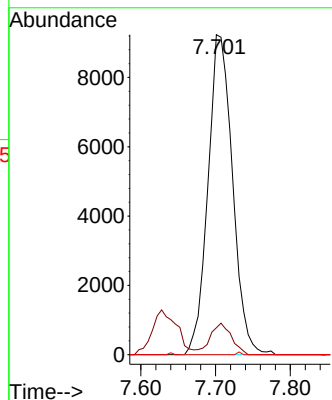
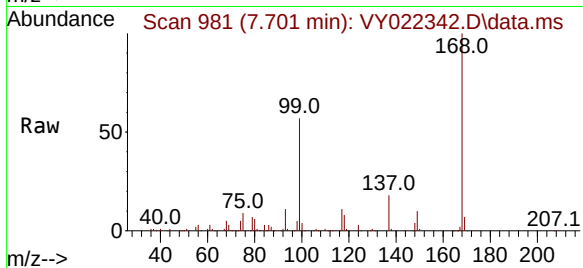
Tgt Ion: 75 Resp: 21154

Ion Ratio Lower Upper

75 100

110 8.6 16.6 49.8#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.617 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY022342.D

Acq: 20 May 2025 14:59

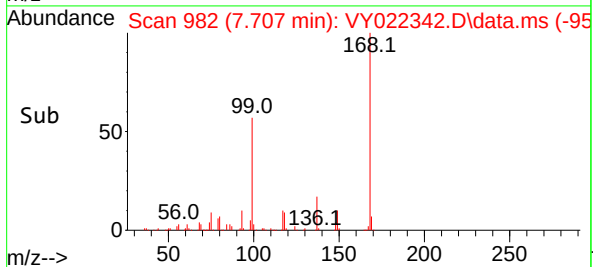
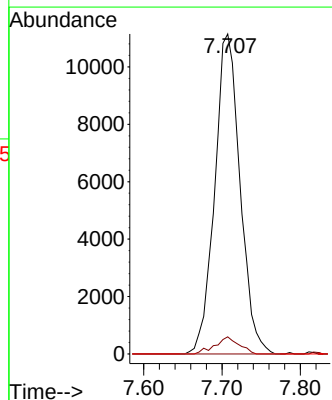
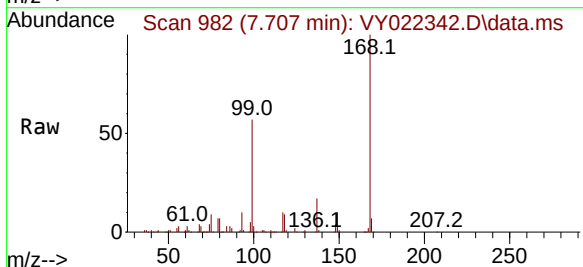
Tgt Ion: 117 Resp: 25080

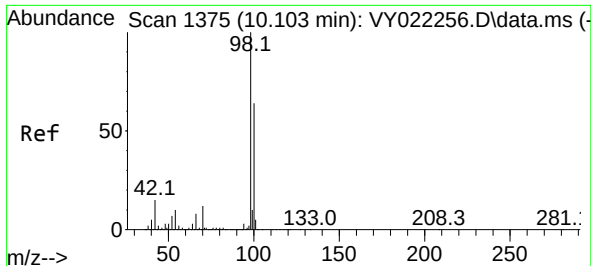
Ion Ratio Lower Upper

117 100

119 5.4 75.3 112.9#

121 0.0 24.7 37.1#

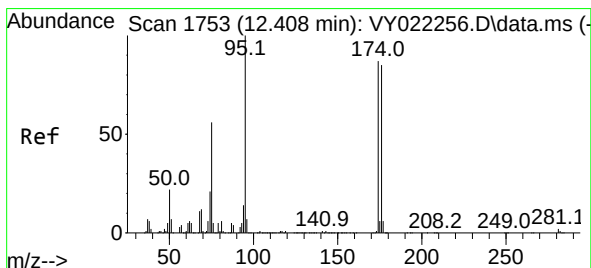
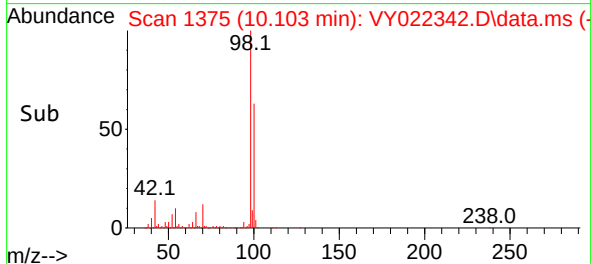
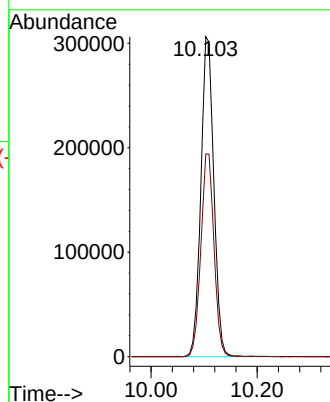
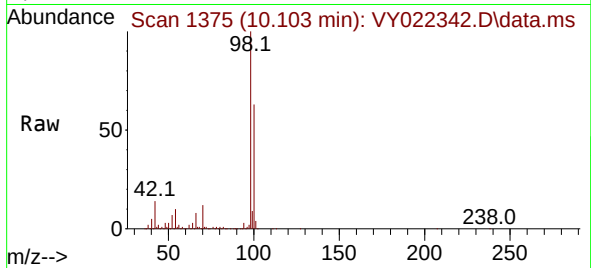




#50
Toluene-d8
Concen: 48.462 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022342.D
Acq: 20 May 2025 14:59

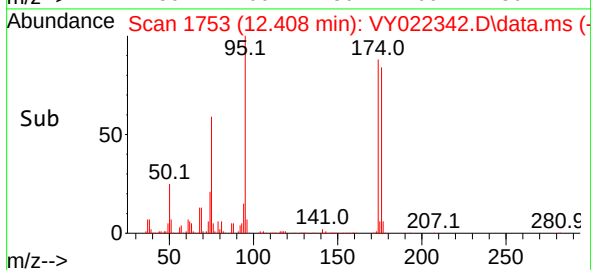
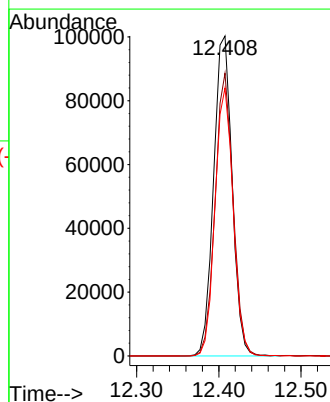
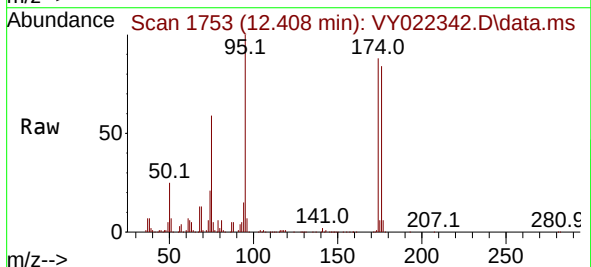
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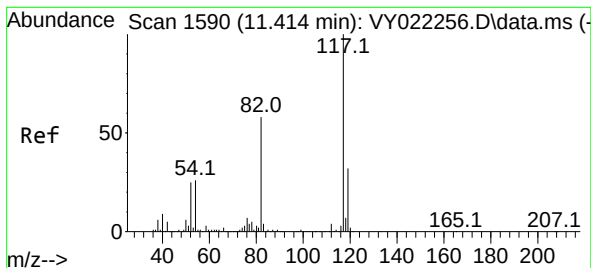
Tgt Ion: 98 Resp: 519822
Ion Ratio Lower Upper
98 100
100 64.2 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 46.210 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022342.D
Acq: 20 May 2025 14:59

Tgt Ion: 95 Resp: 157109
Ion Ratio Lower Upper
95 100
174 85.8 0.0 166.8
176 82.3 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022342.D

Acq: 20 May 2025 14:59

Instrument :

MSVOA_Y

ClientSampleId :

TP-29

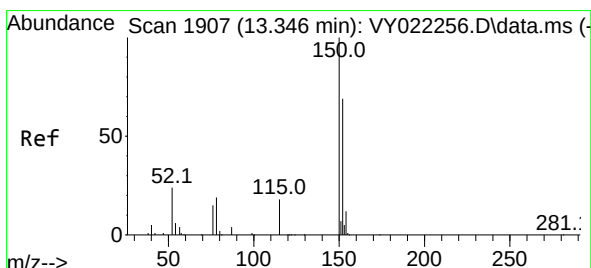
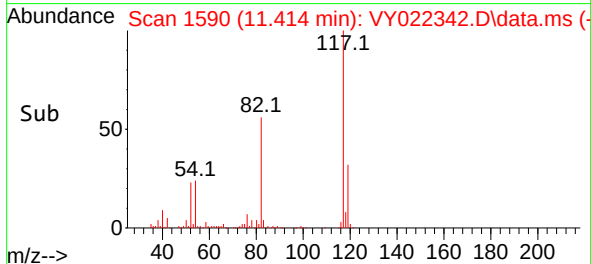
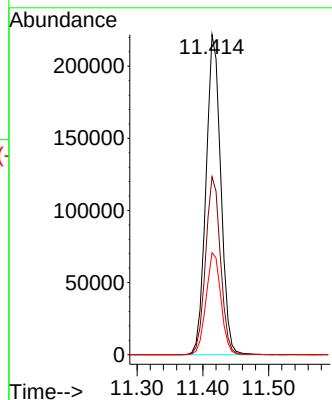
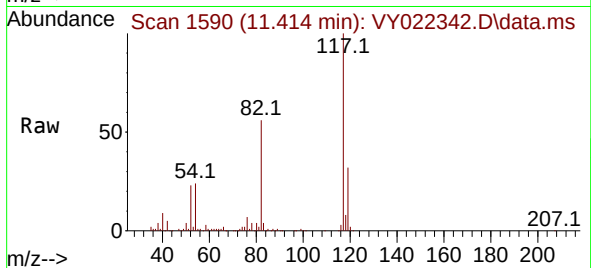
Tgt Ion:117 Resp: 347338

Ion Ratio Lower Upper

117 100

82 55.6 46.6 70.0

119 31.9 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: VY022342.D

Acq: 20 May 2025 14:59

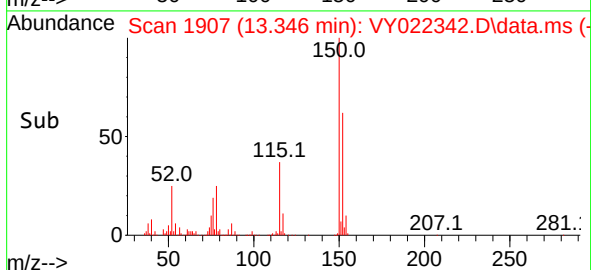
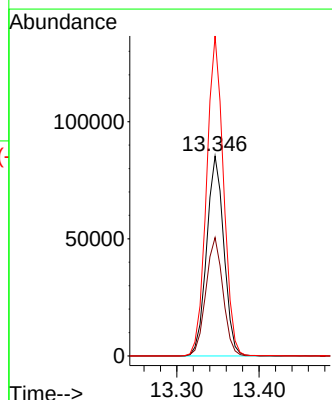
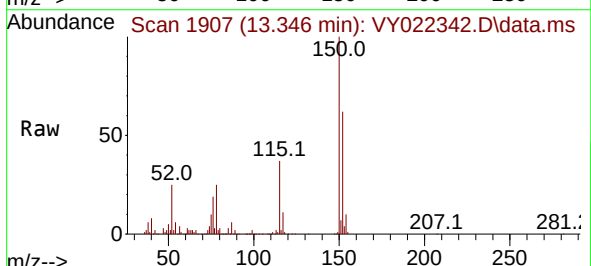
Tgt Ion:152 Resp: 124373

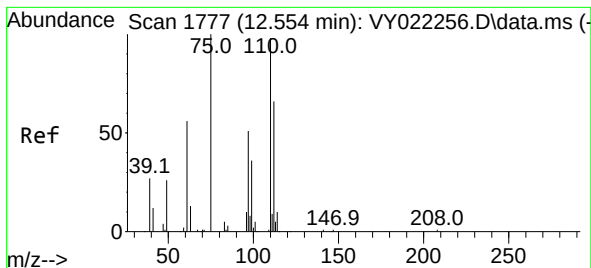
Ion Ratio Lower Upper

152 100

115 58.9 29.4 88.2

150 157.5 0.0 353.8





#76

1,2,3-Trichloropropane

Concen: 72.912 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY022342.D

Acq: 20 May 2025 14:59

Instrument :

MSVOA_Y

ClientSampleId :

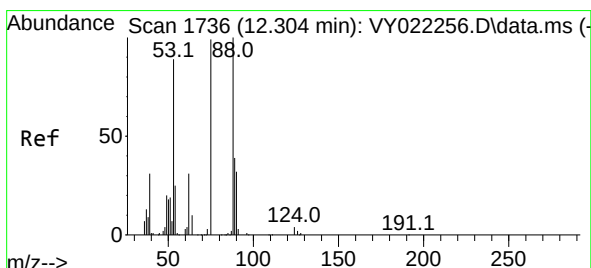
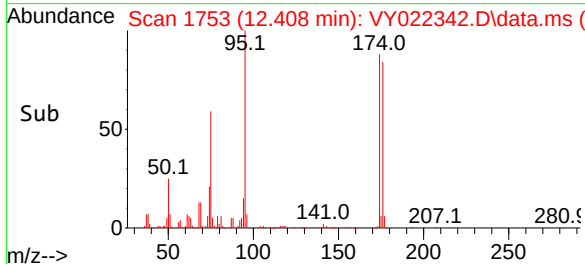
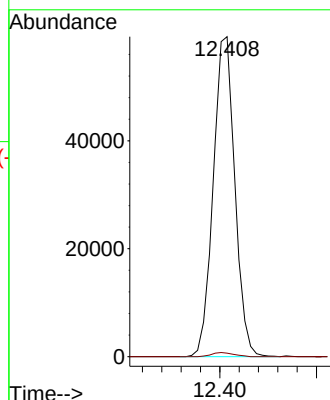
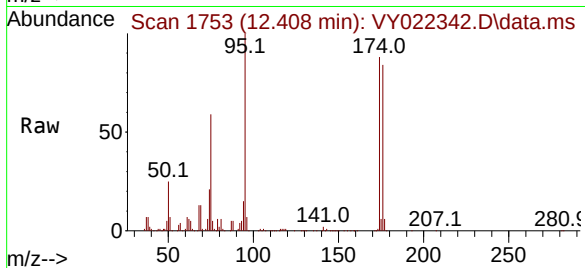
TP-29

Tgt Ion: 75 Resp: 91871

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 147.701 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.104 min

Lab File: VY022342.D

Acq: 20 May 2025 14:59

Tgt Ion: 75 Resp: 91871

Ion Ratio Lower Upper

75 100

53 0.0 75.8 113.8#

89 0.0 36.2 54.2#

