

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060925\
 Data File : VY022618.D
 Acq On : 09 Jun 2025 10:29
 Operator : SY/MD
 Sample : Q2238-01
 Misc : 4.86g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 0528

Quant Time: Jun 10 01:25:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

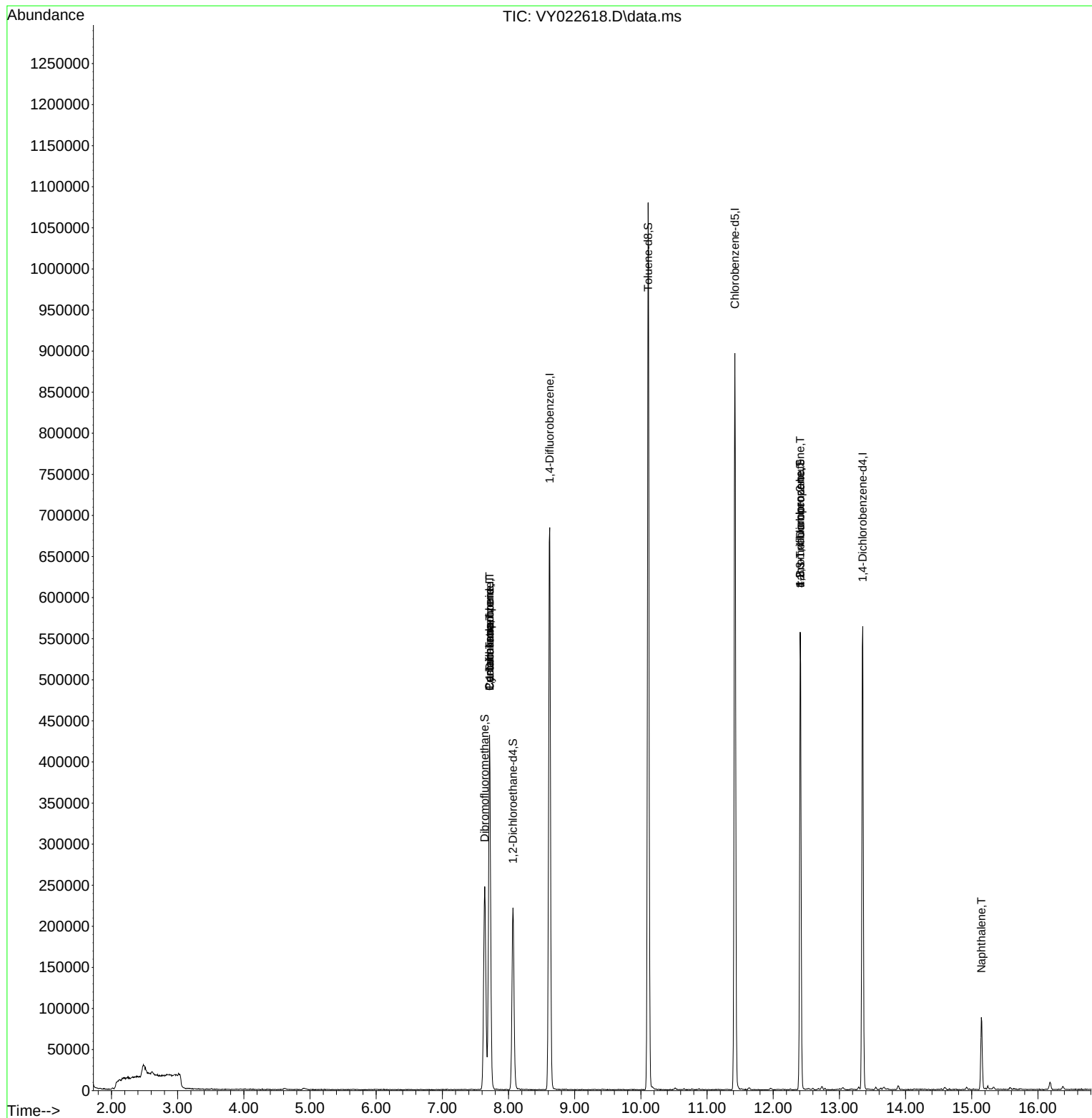
Internal Standards						
1) Pentafluorobenzene	7.713	168	307728	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	557346	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	427587	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	131711	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	167755	48.741	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.480%
35) Dibromofluoromethane	7.640	113	167476	50.343	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.680%
50) Toluene-d8	10.109	98	669385	49.798	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.600%
62) 4-Bromofluorobenzene	12.408	95	149078	37.223	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	74.440%
Target Compounds						
					Qvalue	
31) Cyclohexane	7.713	56	8865	1.340	ug/l #	24
36) 1,1-Dichloropropene	7.713	75	26930	4.988	ug/l #	51
38) Carbon Tetrachloride	7.713	117	31115	5.618	ug/l #	18
76) 1,2,3-Trichloropropane	12.408	75	90982	60.380	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	90982	145.814	ug/l #	10
95) Naphthalene	15.145	128	64846	15.784	ug/l	100

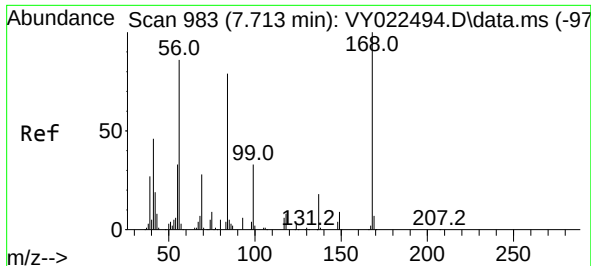
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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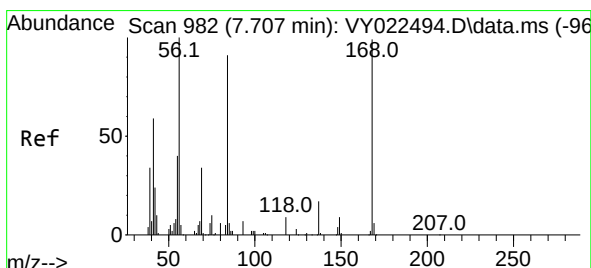
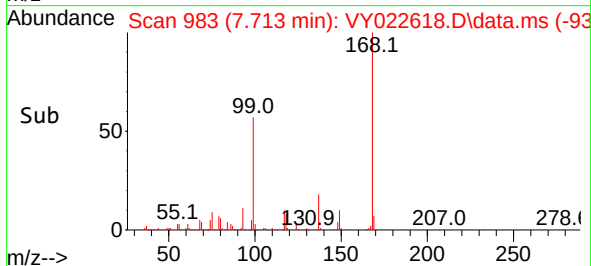
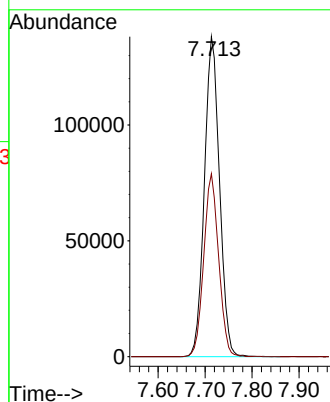
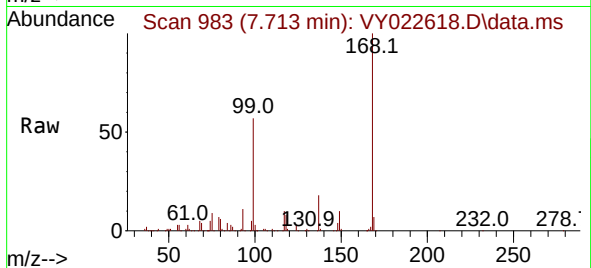




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY022618.D
Acq: 09 Jun 2025 10:29

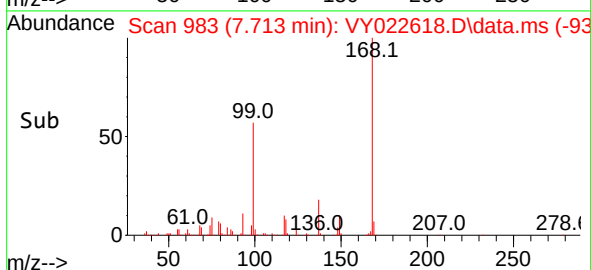
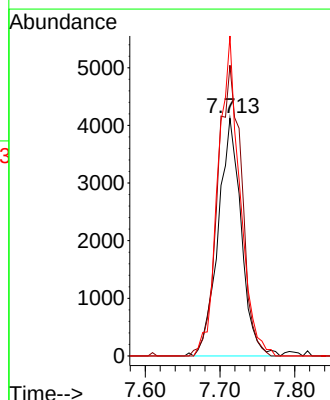
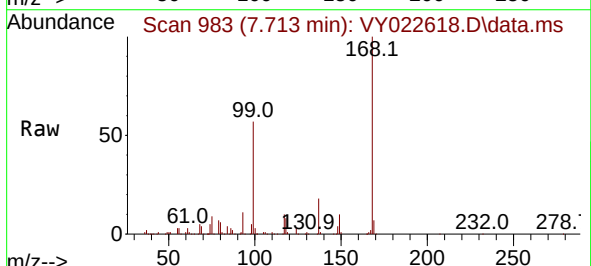
Instrument :
MSVOA_Y
ClientSampleId :
0528

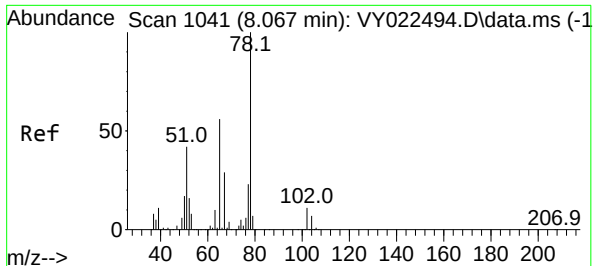
Tgt Ion:168 Resp: 307728
Ion Ratio Lower Upper
168 100
99 57.2 44.3 66.5



#31
Cyclohexane
Concen: 1.340 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY022618.D
Acq: 09 Jun 2025 10:29

Tgt Ion: 56 Resp: 8865
Ion Ratio Lower Upper
56 100
69 122.2 27.0 40.6#
84 134.6 72.6 109.0#





#33

1,2-Dichloroethane-d4

Concen: 48.741 ug/l

RT: 8.067 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY022618.D

Acq: 09 Jun 2025 10:29

Instrument :

MSVOA_Y

ClientSampleId :

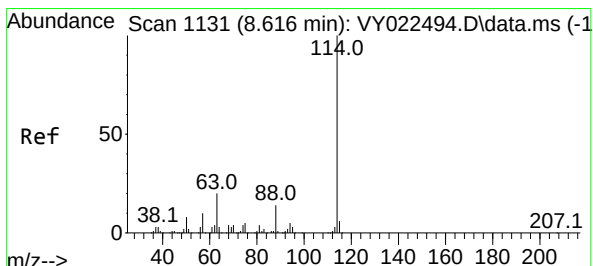
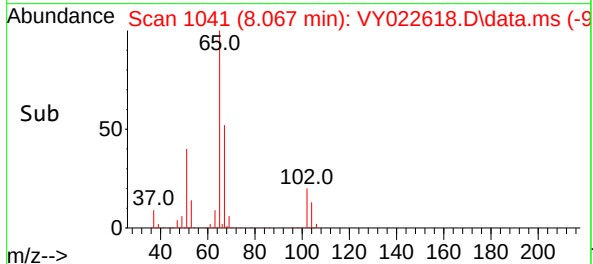
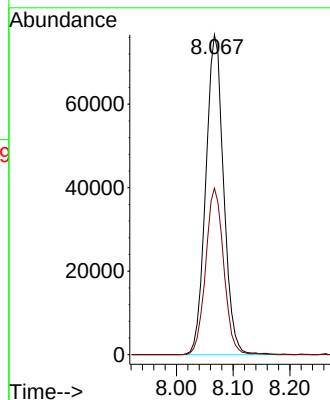
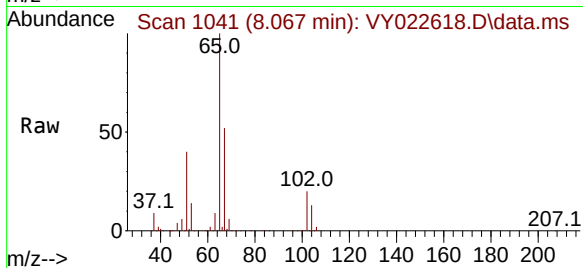
0528

Tgt Ion: 65 Resp: 167755

Ion Ratio Lower Upper

65 100

67 52.6 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022618.D

Acq: 09 Jun 2025 10:29

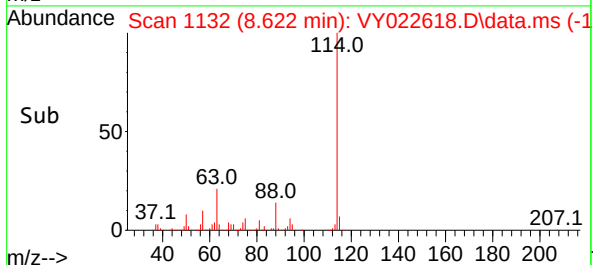
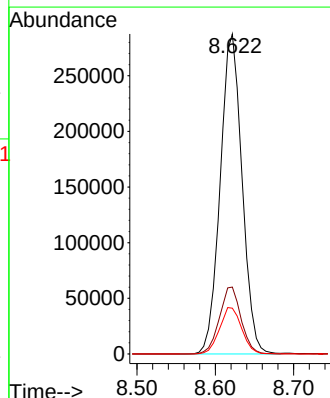
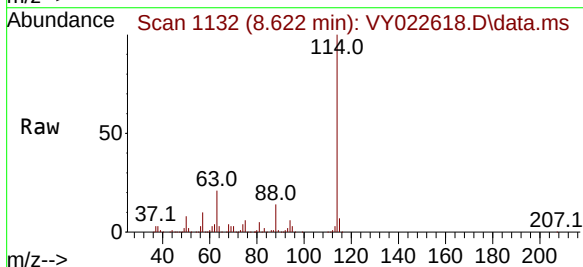
Tgt Ion: 114 Resp: 557346

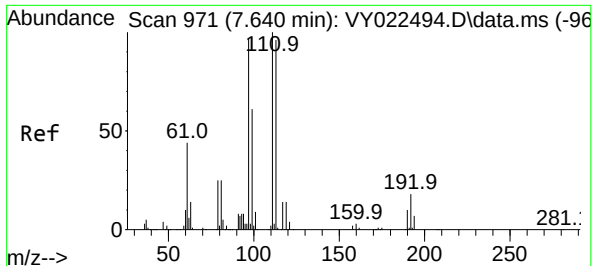
Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.8

88 14.3 0.0 27.8

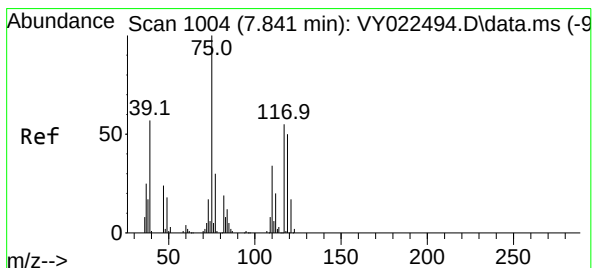
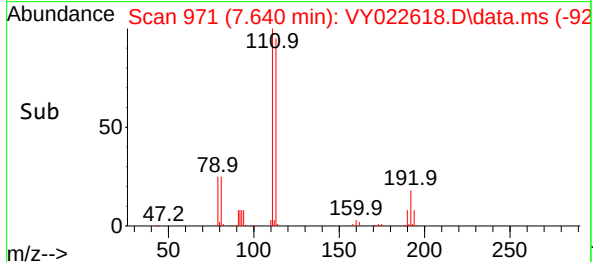
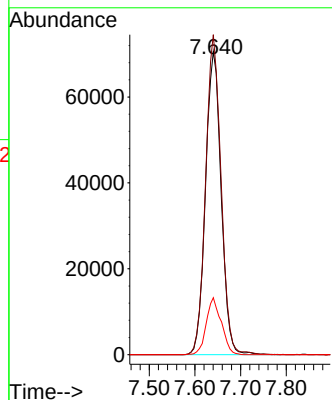
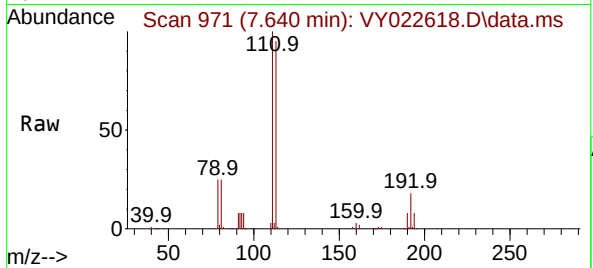




#35
Dibromofluoromethane
Concen: 50.343 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022618.D
Acq: 09 Jun 2025 10:29

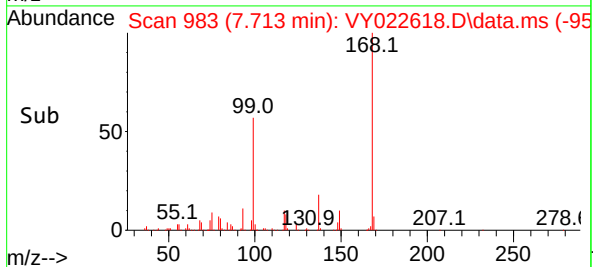
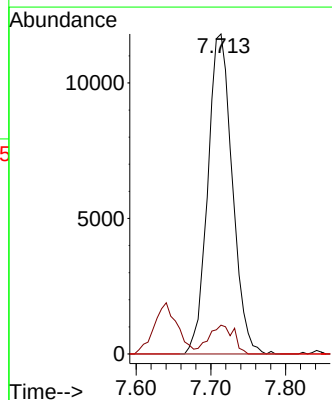
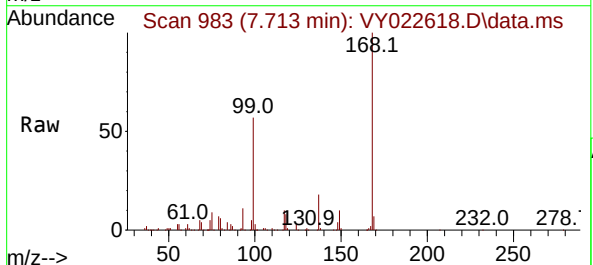
Instrument :
MSVOA_Y
ClientSampleId :
0528

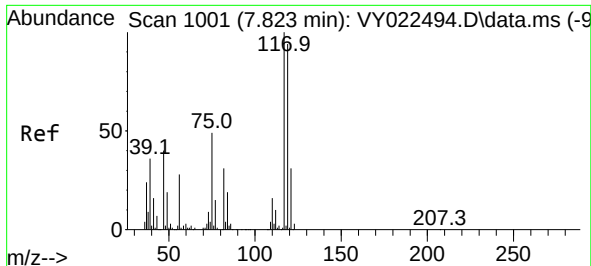
Tgt Ion:113 Resp: 167476
Ion Ratio Lower Upper
113 100
111 104.5 81.1 121.7
192 18.2 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.988 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.128 min
Lab File: VY022618.D
Acq: 09 Jun 2025 10:29

Tgt Ion: 75 Resp: 26930
Ion Ratio Lower Upper
75 100
110 9.3 16.9 50.7#
77 0.0 24.8 37.2#

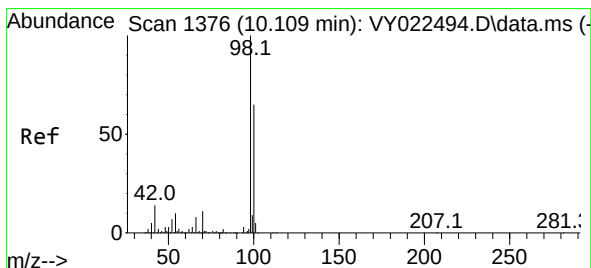
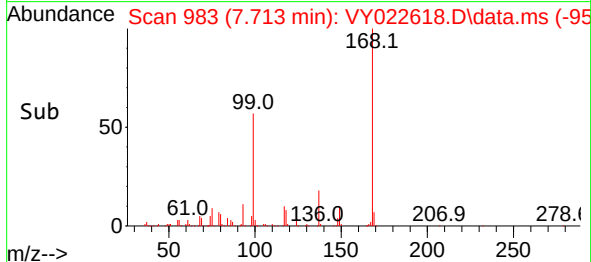
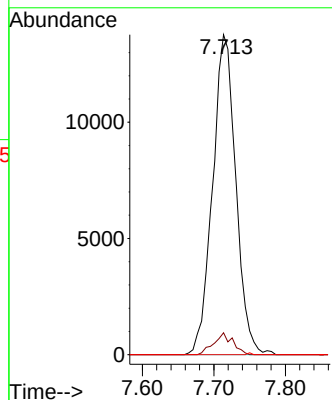
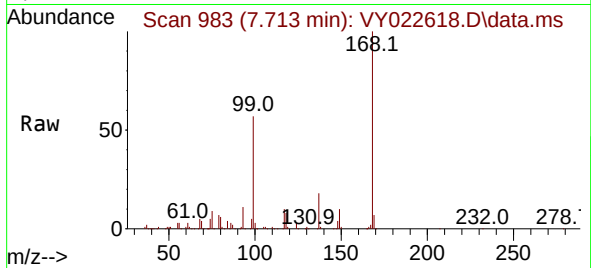




#38
Carbon Tetrachloride
Concen: 5.618 ug/l
RT: 7.713 min Scan# 911
Delta R.T. -0.110 min
Lab File: VY022618.D
Acq: 09 Jun 2025 10:29

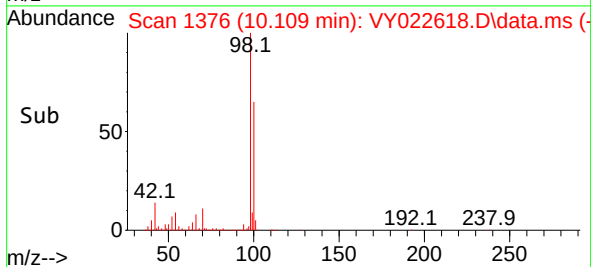
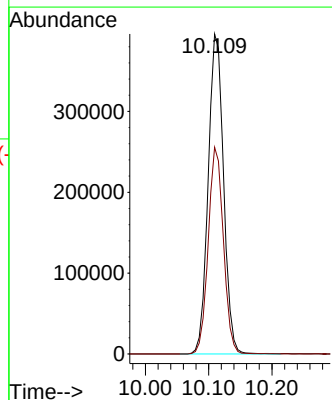
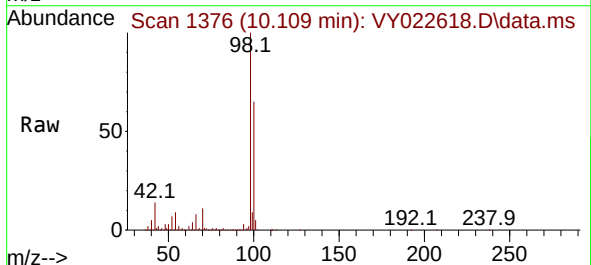
Instrument :
MSVOA_Y
ClientSampleId :
0528

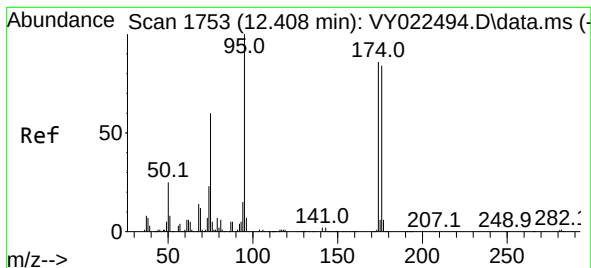
Tgt Ion:117 Resp: 31115
Ion Ratio Lower Upper
117 100
119 6.9 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 49.798 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY022618.D
Acq: 09 Jun 2025 10:29

Tgt Ion: 98 Resp: 669385
Ion Ratio Lower Upper
98 100
100 63.7 51.4 77.0





#62

4-Bromofluorobenzene

Concen: 37.223 ug/l

RT: 12.408 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022618.D

Acq: 09 Jun 2025 10:29

Instrument :

MSVOA_Y

ClientSampleId :

0528

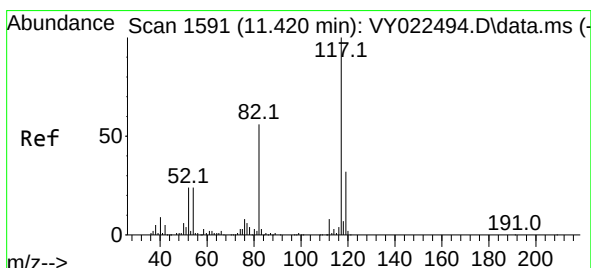
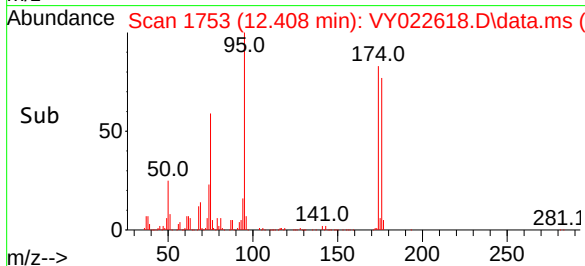
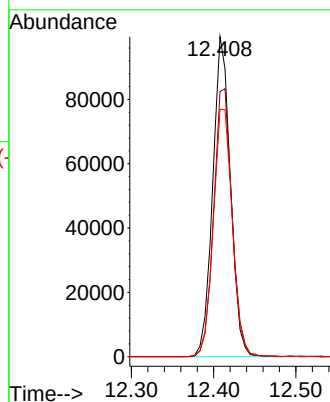
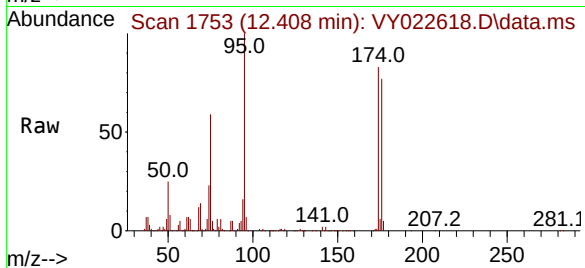
Tgt Ion: 95 Resp: 149078

Ion Ratio Lower Upper

95 100

174 87.3 0.0 170.0

176 83.1 0.0 166.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. -0.000 min

Lab File: VY022618.D

Acq: 09 Jun 2025 10:29

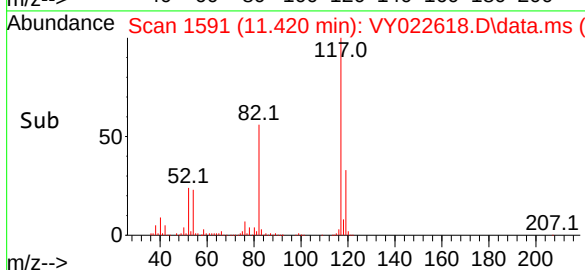
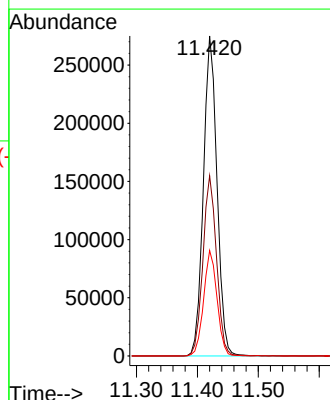
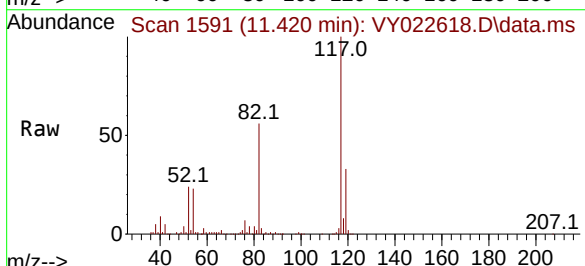
Tgt Ion: 117 Resp: 427587

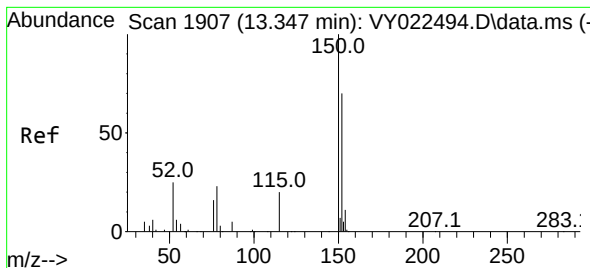
Ion Ratio Lower Upper

117 100

82 56.3 44.6 66.8

119 33.0 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY022618.D

Acq: 09 Jun 2025 10:29

Instrument :

MSVOA_Y

ClientSampleId :

0528

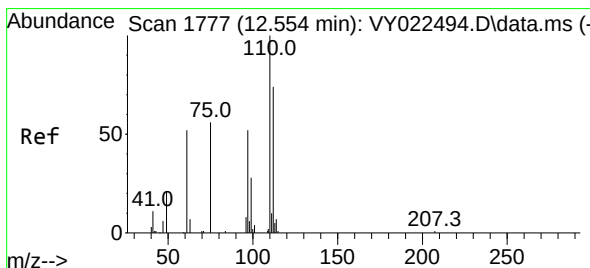
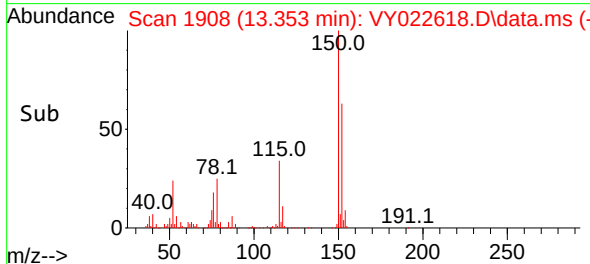
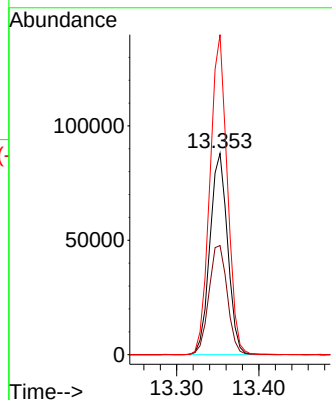
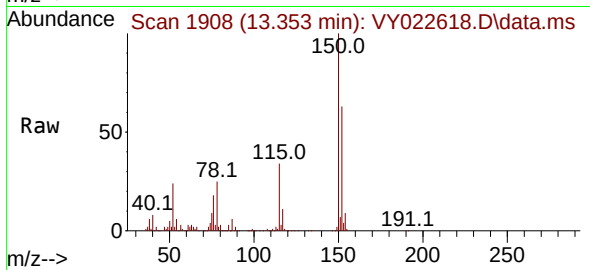
Tgt Ion:152 Resp: 131711

Ion Ratio Lower Upper

152 100

115 56.6 28.9 86.7

150 156.0 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 60.380 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY022618.D

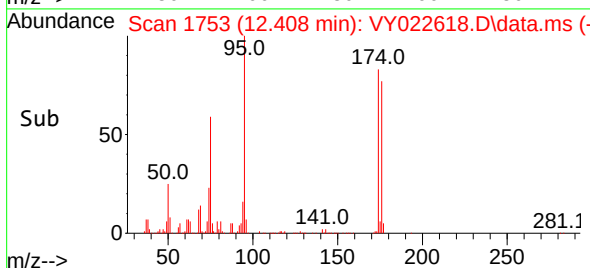
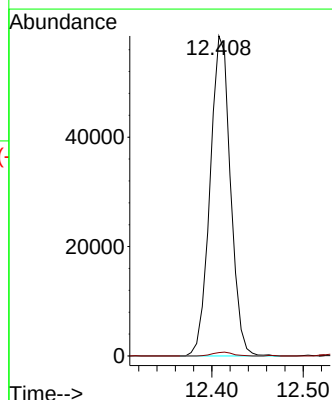
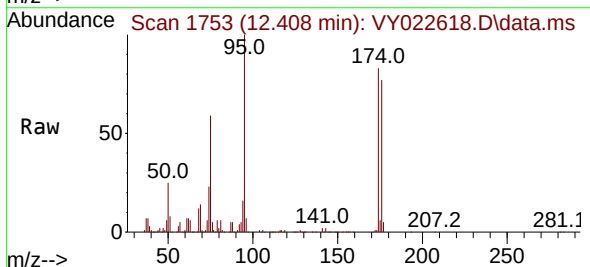
Acq: 09 Jun 2025 10:29

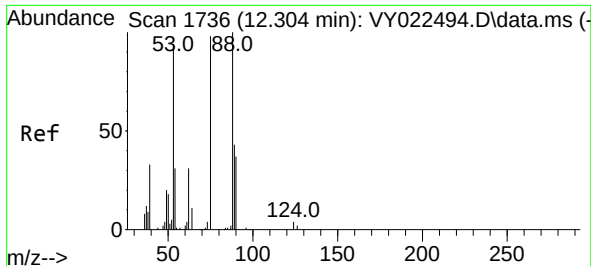
Tgt Ion: 75 Resp: 90982

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#

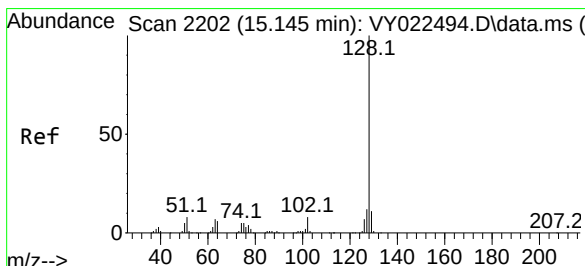
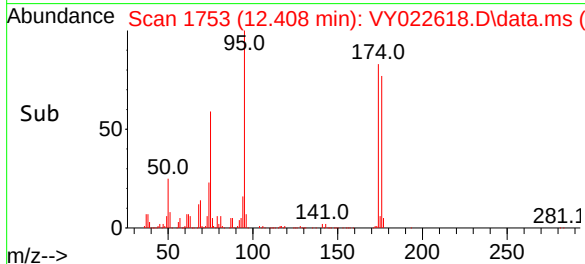
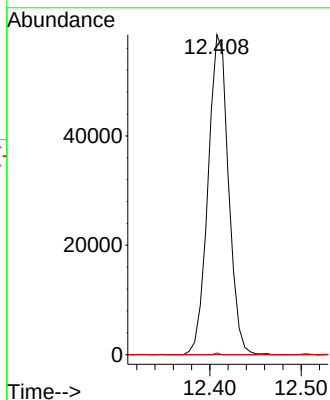
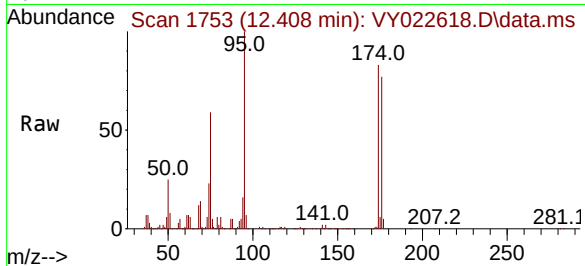




#81
trans-1,4-Dichloro-2-butene
Concen: 145.814 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY022618.D
Acq: 09 Jun 2025 10:29

Instrument :
MSVOA_Y
ClientSampleId :
0528

Tgt Ion: 75 Resp: 90982
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.1 35.7 53.5#



#95
Naphthalene
Concen: 15.784 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: VY022618.D
Acq: 09 Jun 2025 10:29

Tgt Ion: 128 Resp: 64846
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 11.1 8.9 13.3

