

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061225\
 Data File : VY022667.D
 Acq On : 12 Jun 2025 12:17
 Operator : SY/MD
 Sample : VY0612SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0612SBL01

Quant Time: Jun 13 05:38:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

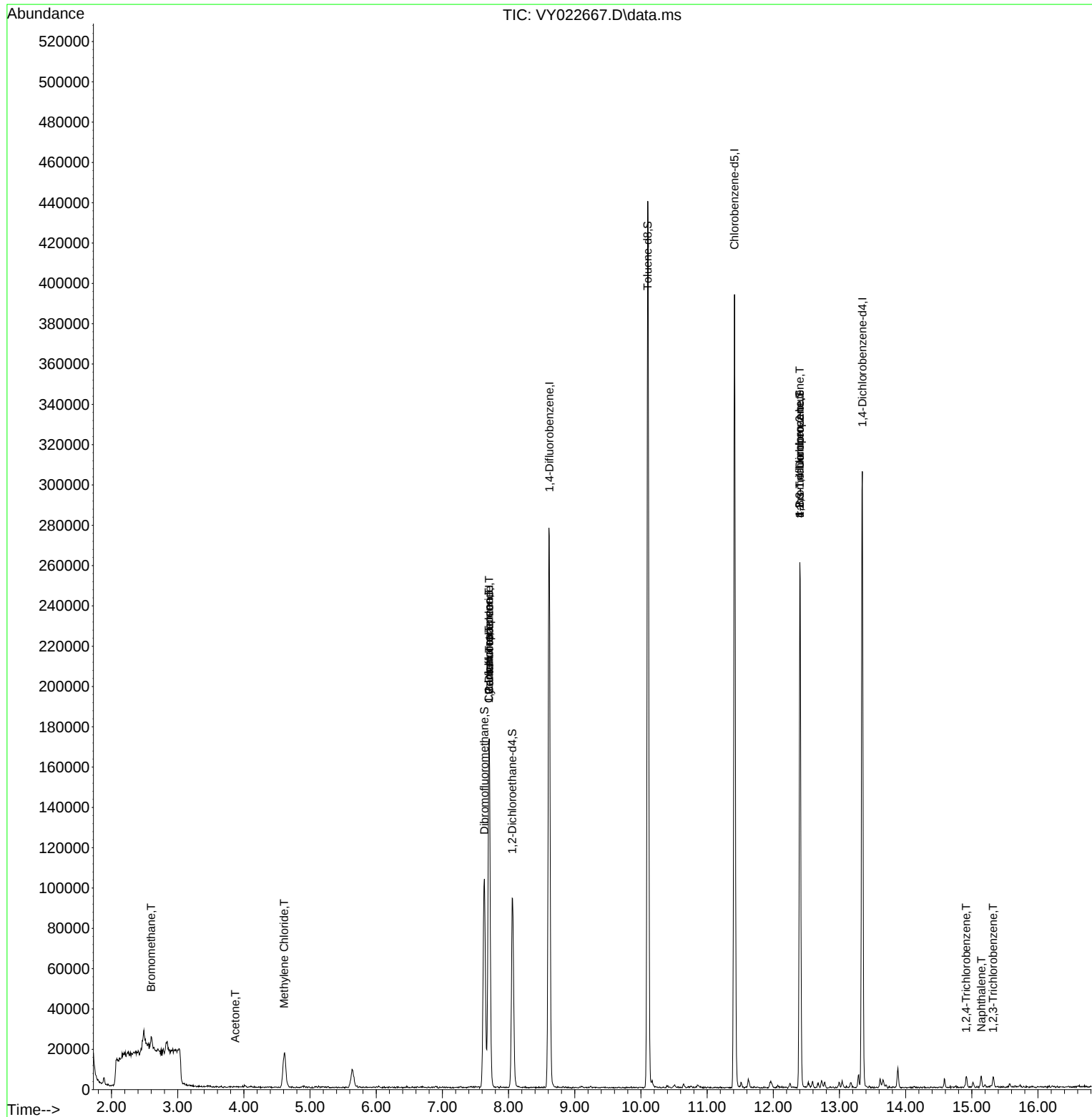
Internal Standards						
1) Pentafluorobenzene	7.707	168	131333	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	237799	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	194028	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	71067	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.054	65	71974	48.999	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.000%
35) Dibromofluoromethane	7.634	113	73646	51.886	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.780%
50) Toluene-d8	10.103	98	282029	49.175	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.360%
62) 4-Bromofluorobenzene	12.401	95	70893	41.487	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.980%
Target Compounds						
					Qvalue	
5) Bromomethane	2.598	94	4467	1.157	ug/l	94
16) Acetone	3.872	43	565	1.894	ug/l #	45
20) Methylene Chloride	4.610	84	12179	7.187	ug/l	97
31) Cyclohexane	7.701	56	3961	1.403	ug/l #	52
36) 1,1-Dichloropropene	7.701	75	11587	5.030	ug/l #	51
38) Carbon Tetrachloride	7.707	117	13119	5.551	ug/l #	19
76) 1,2,3-Trichloropropane	12.401	75	42334	52.069	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	42334	125.744	ug/l #	10
93) 1,2,4-Trichlorobenzene	14.913	180	1884	1.631	ug/l	83
95) Naphthalene	15.145	128	4361	1.967	ug/l	98
96) 1,2,3-Trichlorobenzene	15.321	180	1729	1.747	ug/l	91

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

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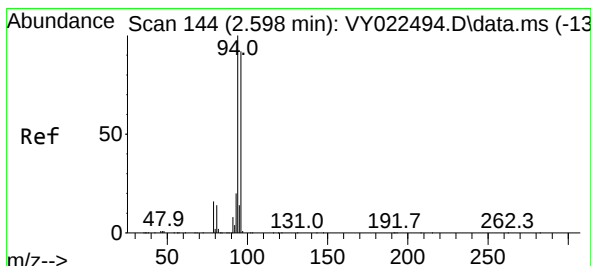
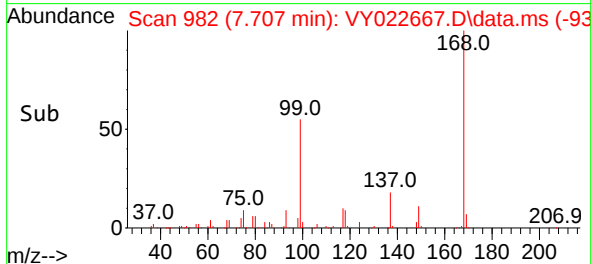
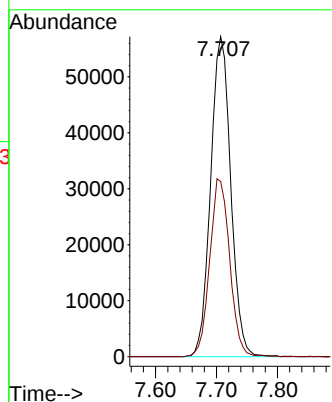
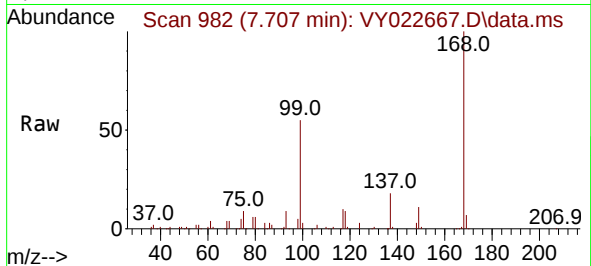




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 983
Delta R.T. -0.006 min
Lab File: VY022667.D
Acq: 12 Jun 2025 12:17

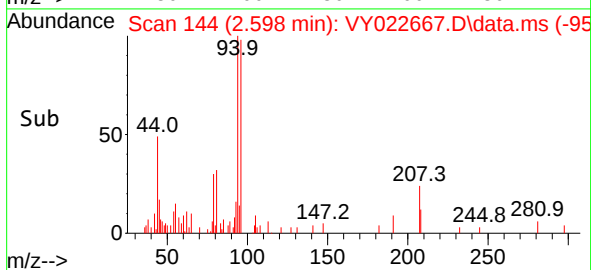
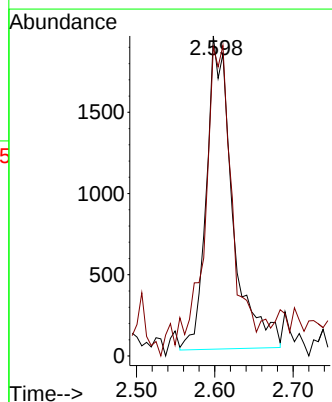
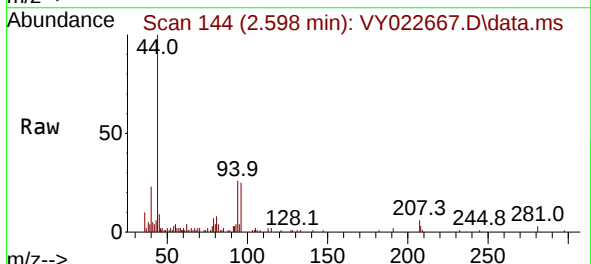
Instrument :
MSVOA_Y
ClientSampleId :
VY0612SBL01

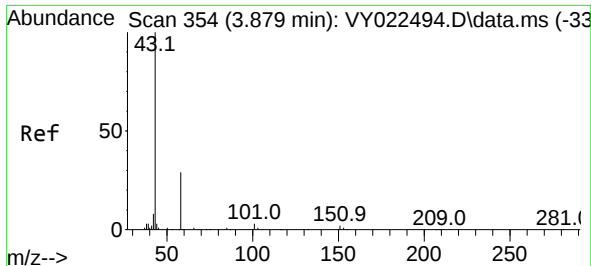
Tgt Ion:168 Resp: 131333
Ion Ratio Lower Upper
168 100
99 54.8 44.3 66.5



#5
Bromomethane
Concen: 1.157 ug/l
RT: 2.598 min Scan# 144
Delta R.T. -0.000 min
Lab File: VY022667.D
Acq: 12 Jun 2025 12:17

Tgt Ion: 94 Resp: 4467
Ion Ratio Lower Upper
94 100
96 86.8 74.0 111.0

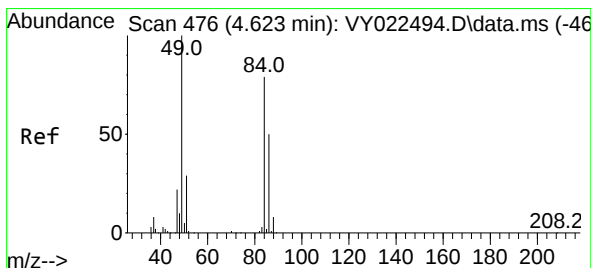
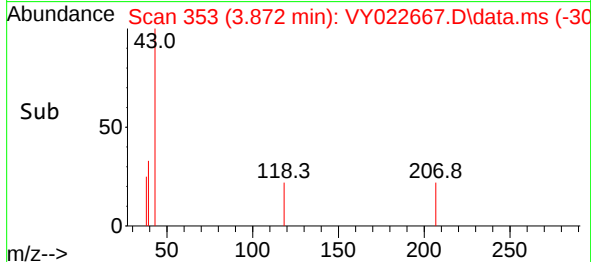
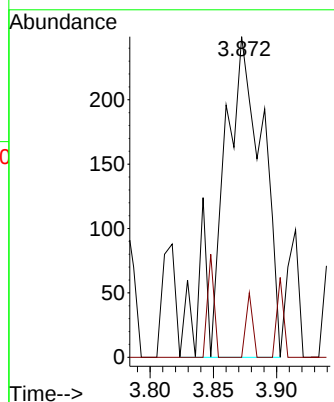
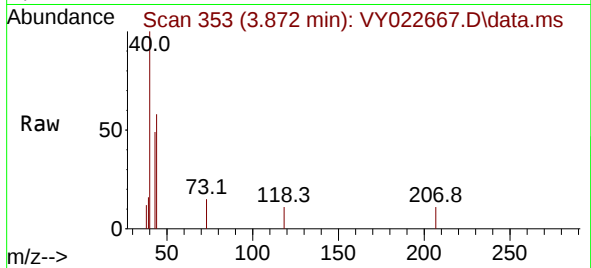




#16
 Acetone
 Concen: 1.894 ug/l
 RT: 3.872 min Scan# 31
 Delta R.T. -0.006 min
 Lab File: VY022667.D
 Acq: 12 Jun 2025 12:17

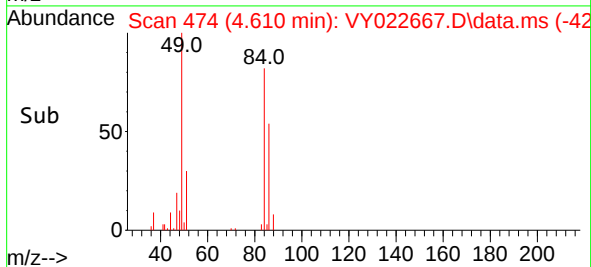
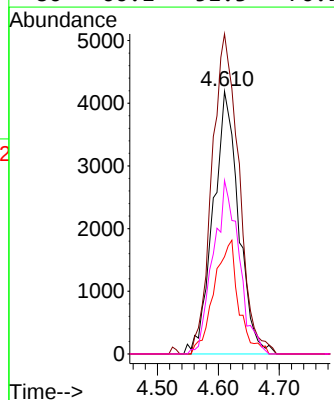
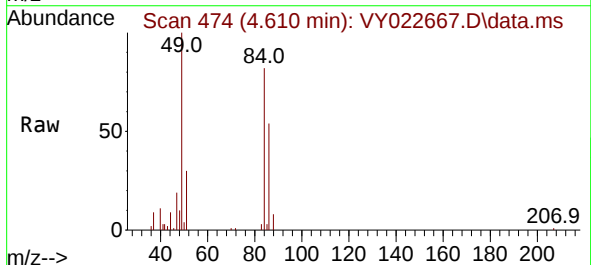
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0612SBL01

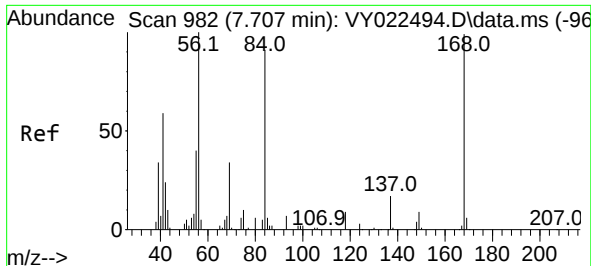
Tgt Ion: 43 Resp: 565
 Ion Ratio Lower Upper
 43 100
 58 0.0 24.0 36.0#



#20
 Methylene Chloride
 Concen: 7.187 ug/l
 RT: 4.610 min Scan# 474
 Delta R.T. -0.013 min
 Lab File: VY022667.D
 Acq: 12 Jun 2025 12:17

Tgt Ion: 84 Resp: 12179
 Ion Ratio Lower Upper
 84 100
 49 121.9 101.9 152.9
 51 37.0 29.8 44.8
 86 66.1 51.3 76.9

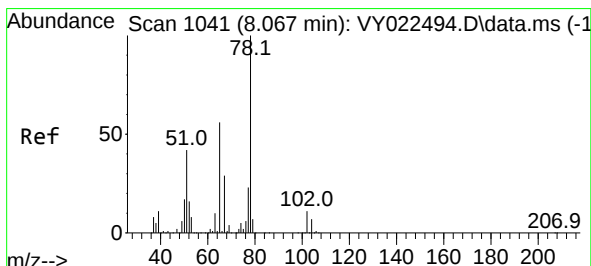
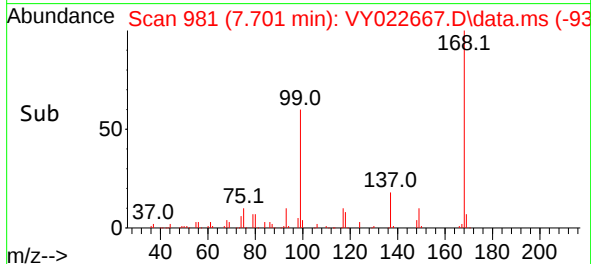
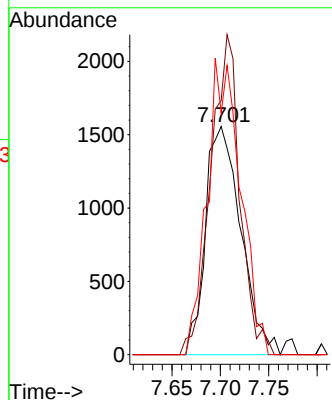
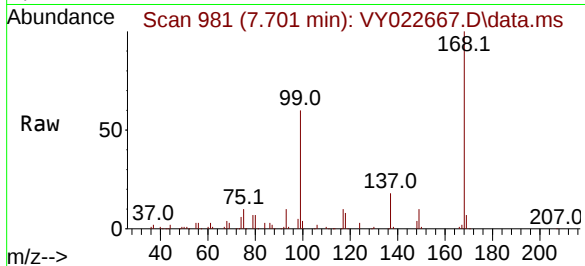




#31
Cyclohexane
Concen: 1.403 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022667.D
Acq: 12 Jun 2025 12:17

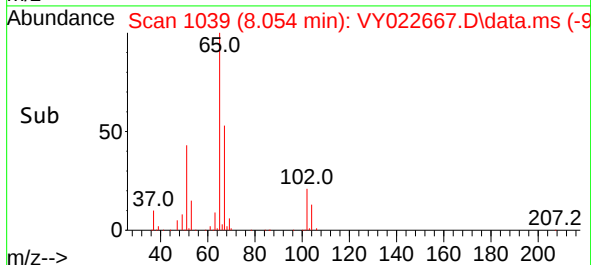
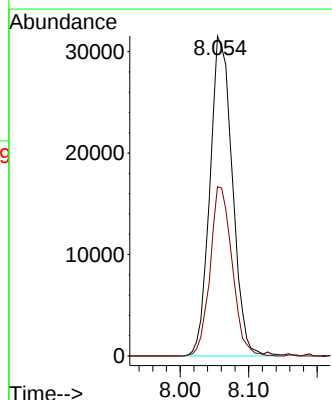
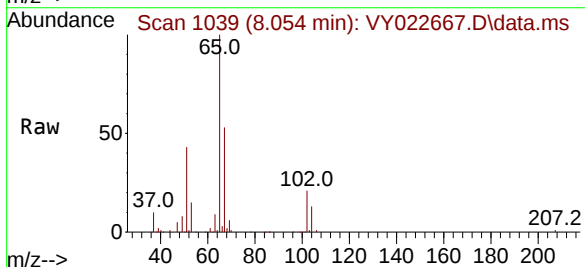
Instrument :
MSVOA_Y
ClientSampleId :
VY0612SBL01

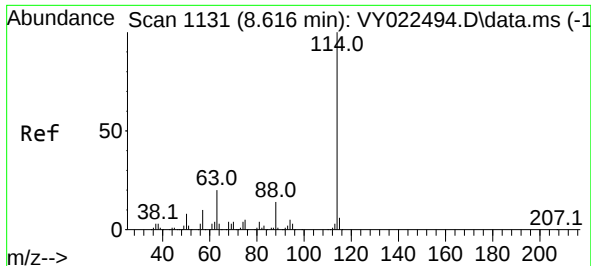
Tgt Ion: 56 Resp: 3961
Ion Ratio Lower Upper
56 100
69 111.3 27.0 40.6#
84 106.0 72.6 109.0



#33
1,2-Dichloroethane-d4
Concen: 48.999 ug/l
RT: 8.054 min Scan# 1039
Delta R.T. -0.013 min
Lab File: VY022667.D
Acq: 12 Jun 2025 12:17

Tgt Ion: 65 Resp: 71974
Ion Ratio Lower Upper
65 100
67 51.8 0.0 103.4

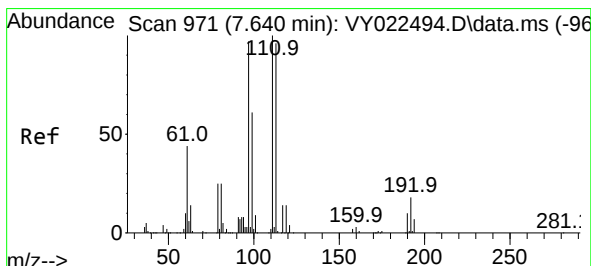
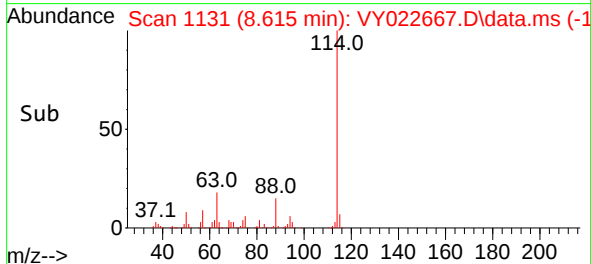
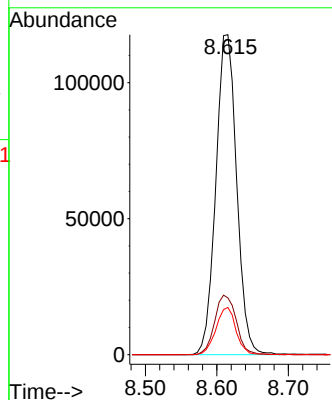
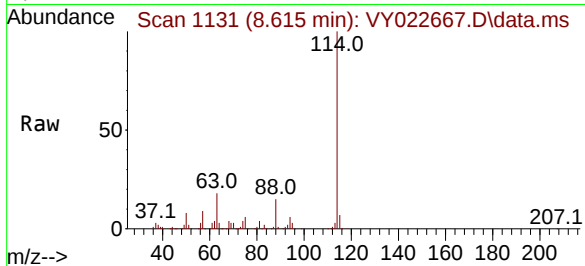




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022667.D
Acq: 12 Jun 2025 12:17

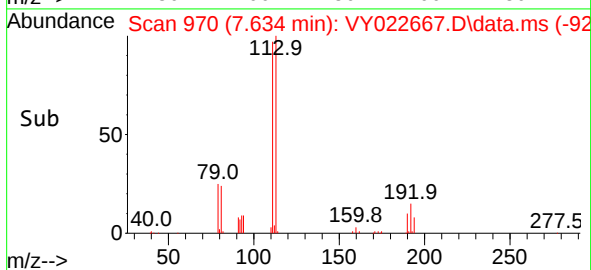
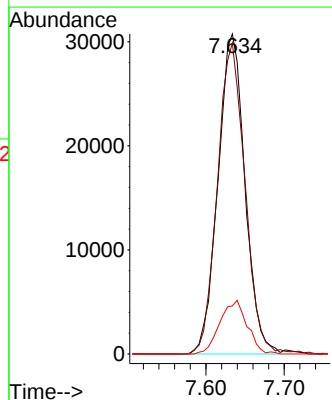
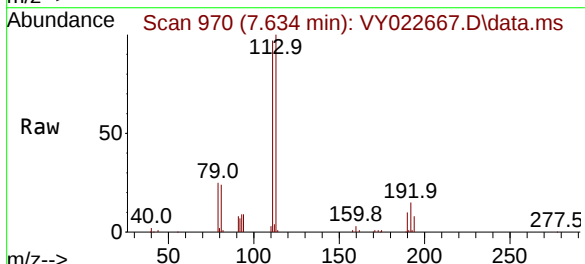
Instrument :
MSVOA_Y
ClientSampleId :
VY0612SBL01

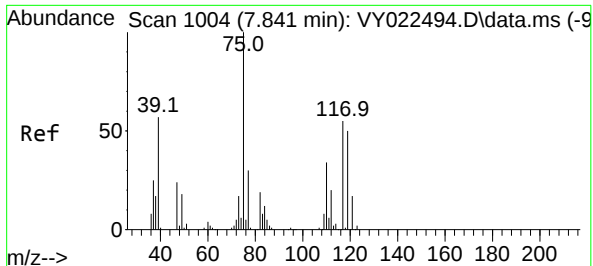
Tgt Ion:114 Resp: 237799
Ion Ratio Lower Upper
114 100
63 17.8 0.0 40.8
88 14.7 0.0 27.8



#35
Dibromofluoromethane
Concen: 51.886 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022667.D
Acq: 12 Jun 2025 12:17

Tgt Ion:113 Resp: 73646
Ion Ratio Lower Upper
113 100
111 99.1 81.1 121.7
192 16.9 14.2 21.2

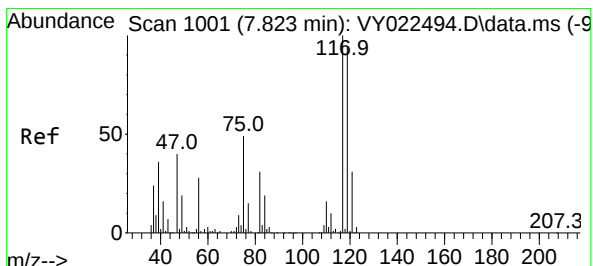
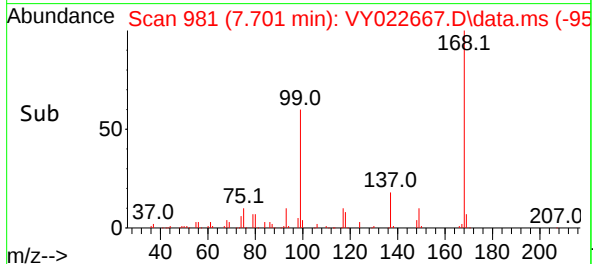
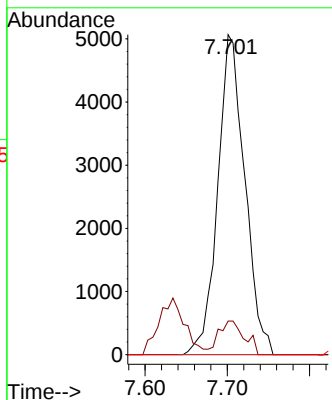
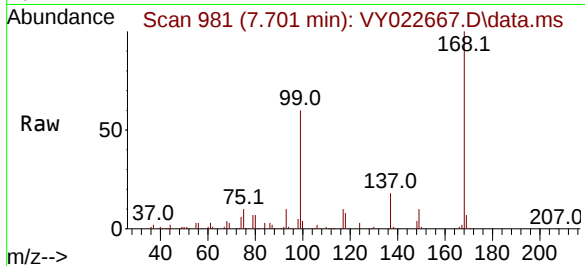




#36
1,1-Dichloropropene
Concen: 5.030 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.141 min
Lab File: VY022667.D
Acq: 12 Jun 2025 12:17

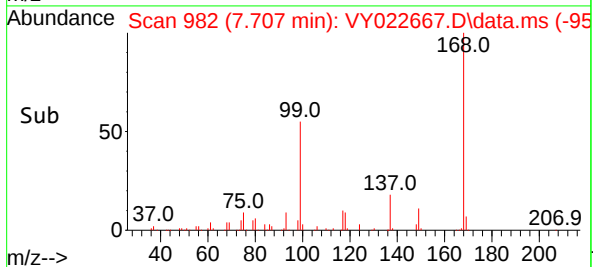
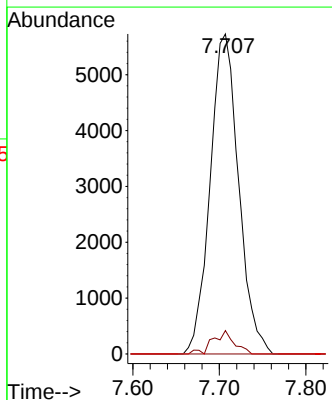
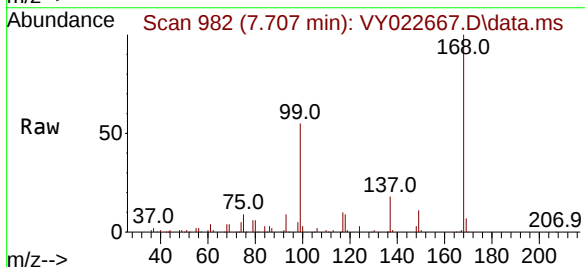
Instrument :
MSVOA_Y
ClientSampleId :
VY0612SBL01

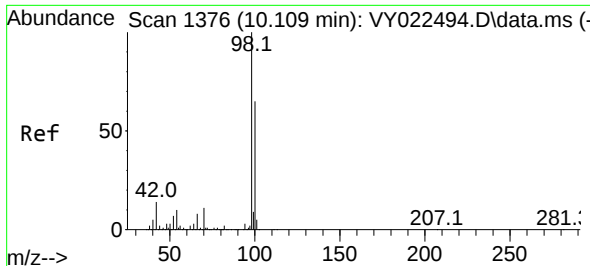
Tgt Ion: 75 Resp: 11587
Ion Ratio Lower Upper
75 100
110 9.9 16.9 50.7#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.551 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.116 min
Lab File: VY022667.D
Acq: 12 Jun 2025 12:17

Tgt Ion: 117 Resp: 13119
Ion Ratio Lower Upper
117 100
119 7.3 75.0 112.6#
121 0.0 25.0 37.4#

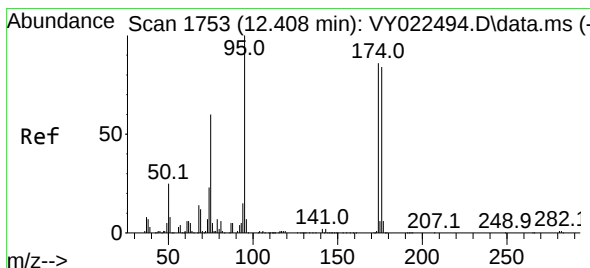
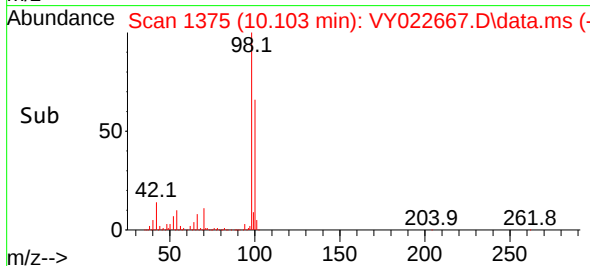
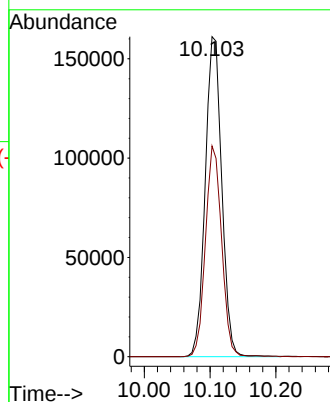
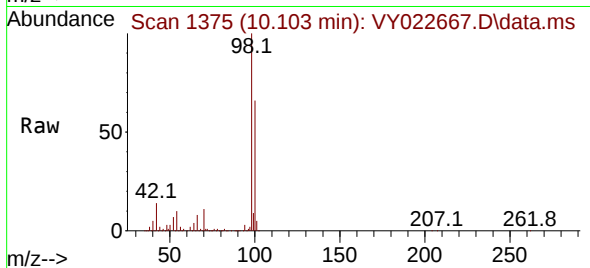




#50
Toluene-d8
Concen: 49.175 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022667.D
Acq: 12 Jun 2025 12:17

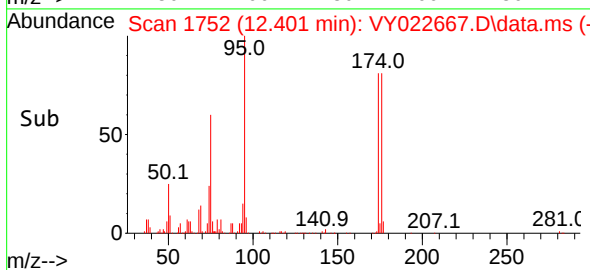
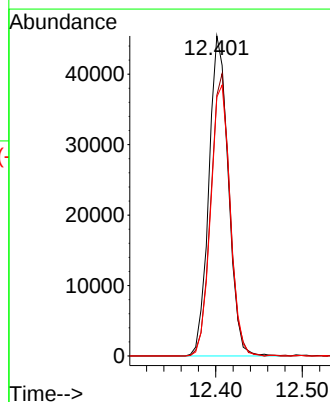
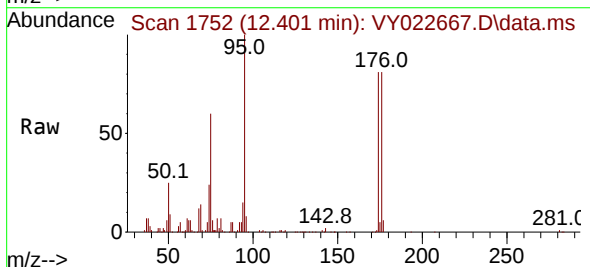
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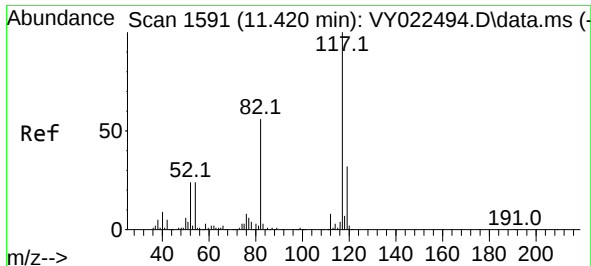
Tgt Ion: 98 Resp: 282029
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 41.487 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022667.D
Acq: 12 Jun 2025 12:17

Tgt Ion: 95 Resp: 70893
Ion Ratio Lower Upper
95 100
174 86.7 0.0 170.0
176 84.9 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022667.D

Acq: 12 Jun 2025 12:17

Instrument :

MSVOA_Y

ClientSampleId :

VY0612SBL01

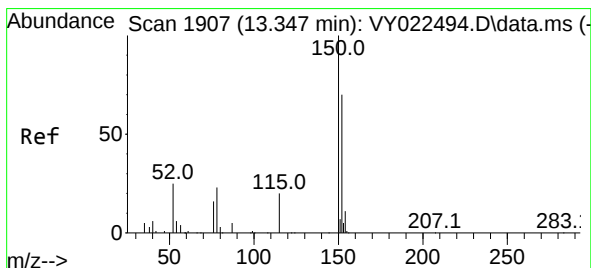
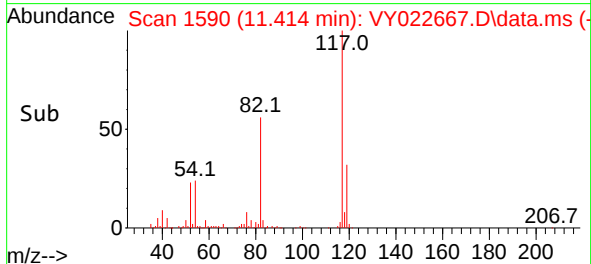
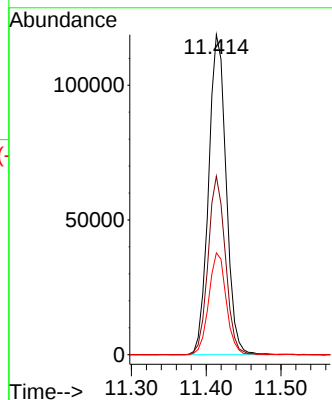
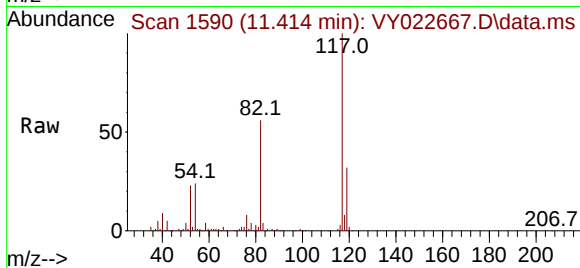
Tgt Ion:117 Resp: 194028

Ion Ratio Lower Upper

117 100

82 55.8 44.6 66.8

119 31.8 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022667.D

Acq: 12 Jun 2025 12:17

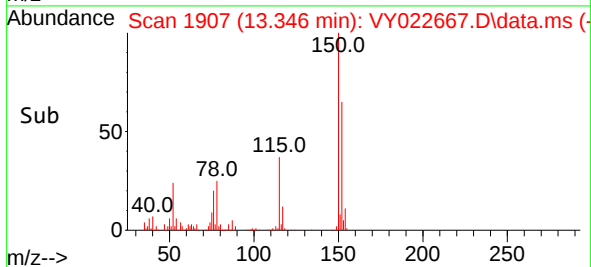
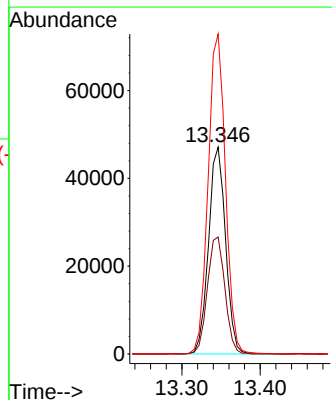
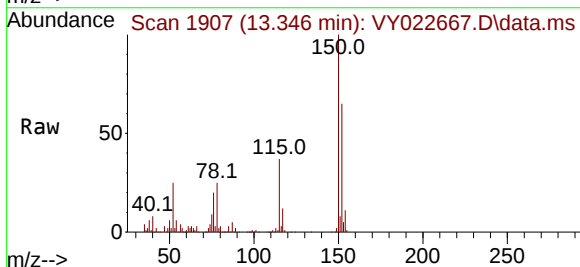
Tgt Ion:152 Resp: 71067

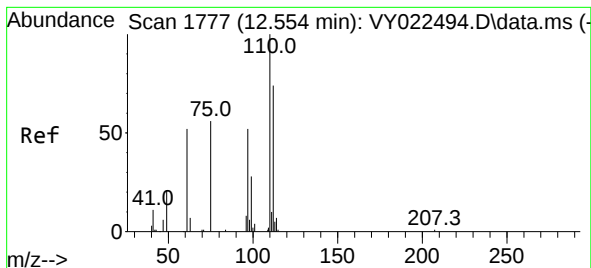
Ion Ratio Lower Upper

152 100

115 58.1 28.9 86.7

150 157.2 0.0 349.6

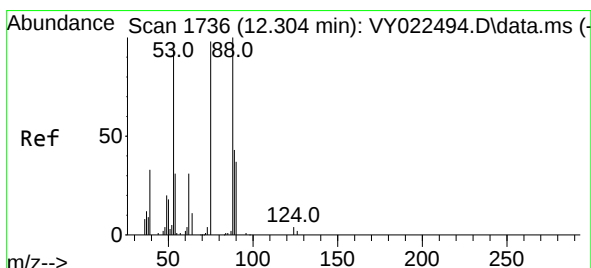
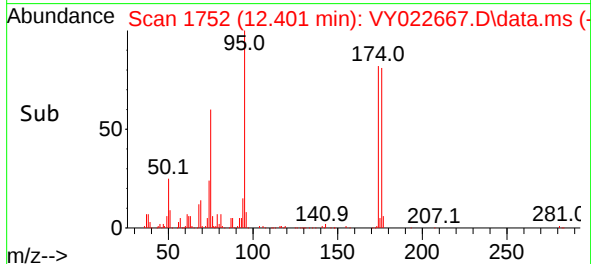
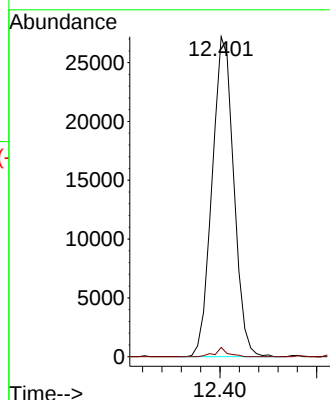
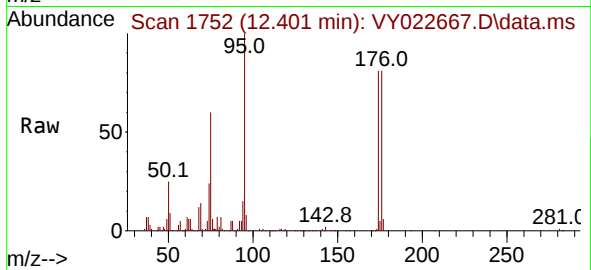




#76
1,2,3-Trichloropropane
Concen: 52.069 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.153 min
Lab File: VY022667.D
Acq: 12 Jun 2025 12:17

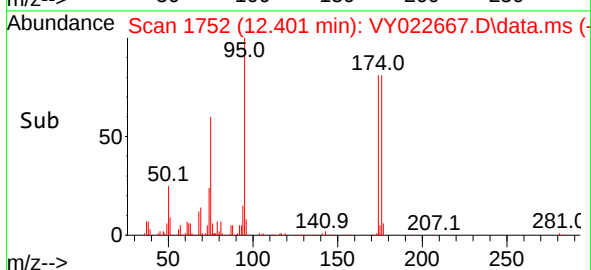
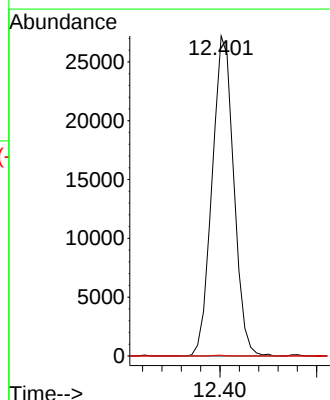
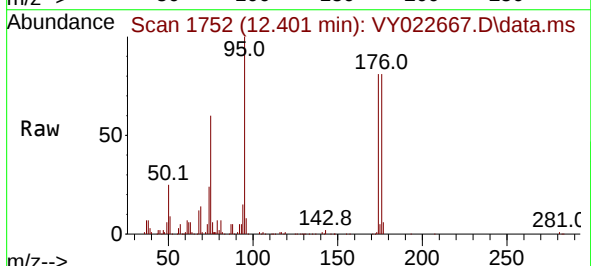
Instrument :
MSVOA_Y
ClientSampleId :
VY0612SBL01

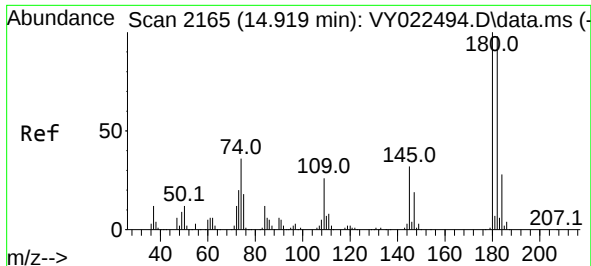
Tgt Ion: 75 Resp: 42334
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 125.744 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY022667.D
Acq: 12 Jun 2025 12:17

Tgt Ion: 75 Resp: 42334
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.1 35.7 53.5#

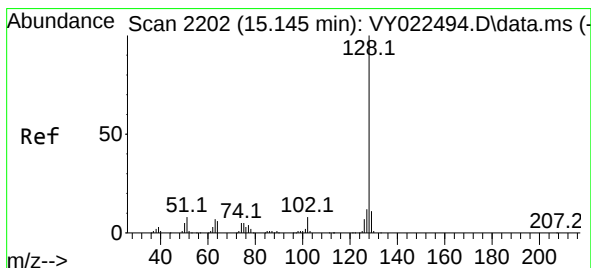
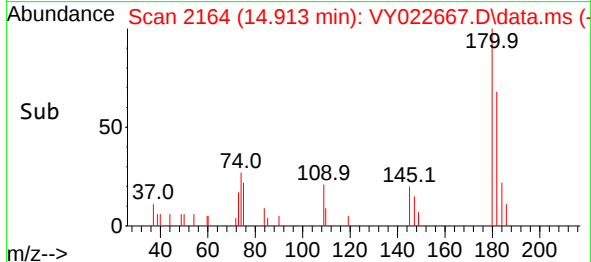
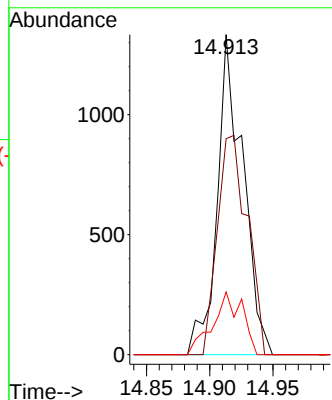
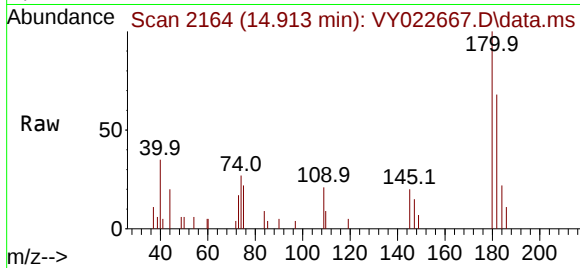




#93
 1,2,4-Trichlorobenzene
 Concen: 1.631 ug/l
 RT: 14.913 min Scan# 2164
 Delta R.T. -0.006 min
 Lab File: VY022667.D
 Acq: 12 Jun 2025 12:17

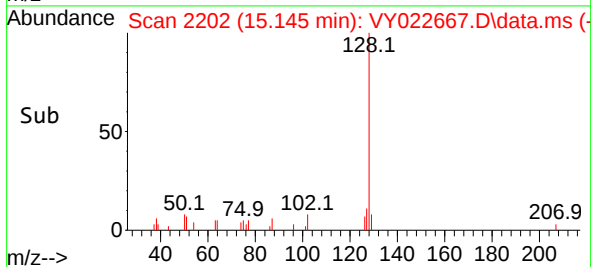
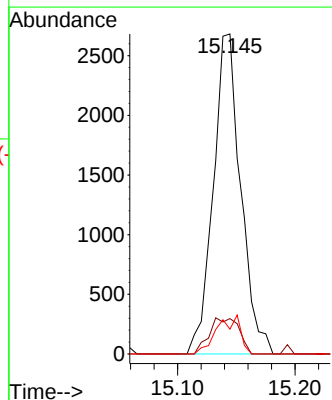
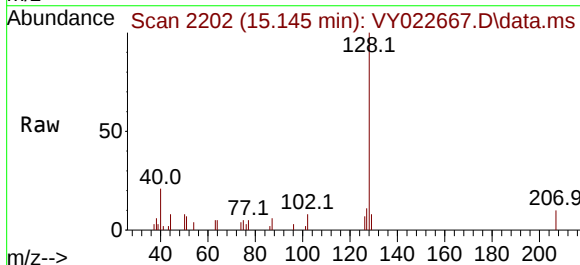
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0612SBL01

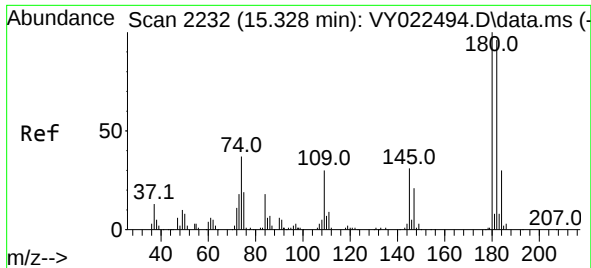
Tgt Ion	Ratio	Lower	Upper
180	100		
182	79.5	48.4	145.3
145	22.3	15.5	46.5



#95
 Naphthalene
 Concen: 1.967 ug/l
 RT: 15.145 min Scan# 2202
 Delta R.T. -0.000 min
 Lab File: VY022667.D
 Acq: 12 Jun 2025 12:17

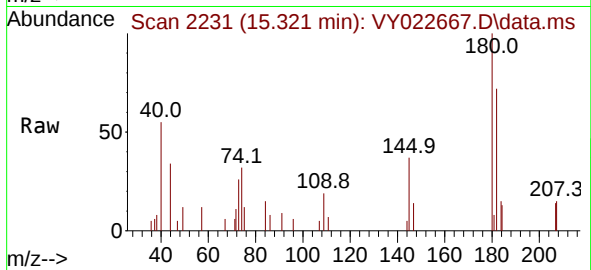
Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.4	15.6
129	10.2	8.9	13.3





#96
 1,2,3-Trichlorobenzene
 Concen: 1.747 ug/l
 RT: 15.321 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VY022667.D
 Acq: 12 Jun 2025 12:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0612SBL01



Tgt Ion:	180	Resp:	1729
Ion	Ratio	Lower	Upper
180	100		
182	83.4	47.1	141.3
145	28.4	15.2	45.6

