

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062725\
 Data File : VY022858.D
 Acq On : 27 Jun 2025 13:46
 Operator : SY/MD
 Sample : Q2436-03
 Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-85

Quant Time: Jun 27 23:17:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

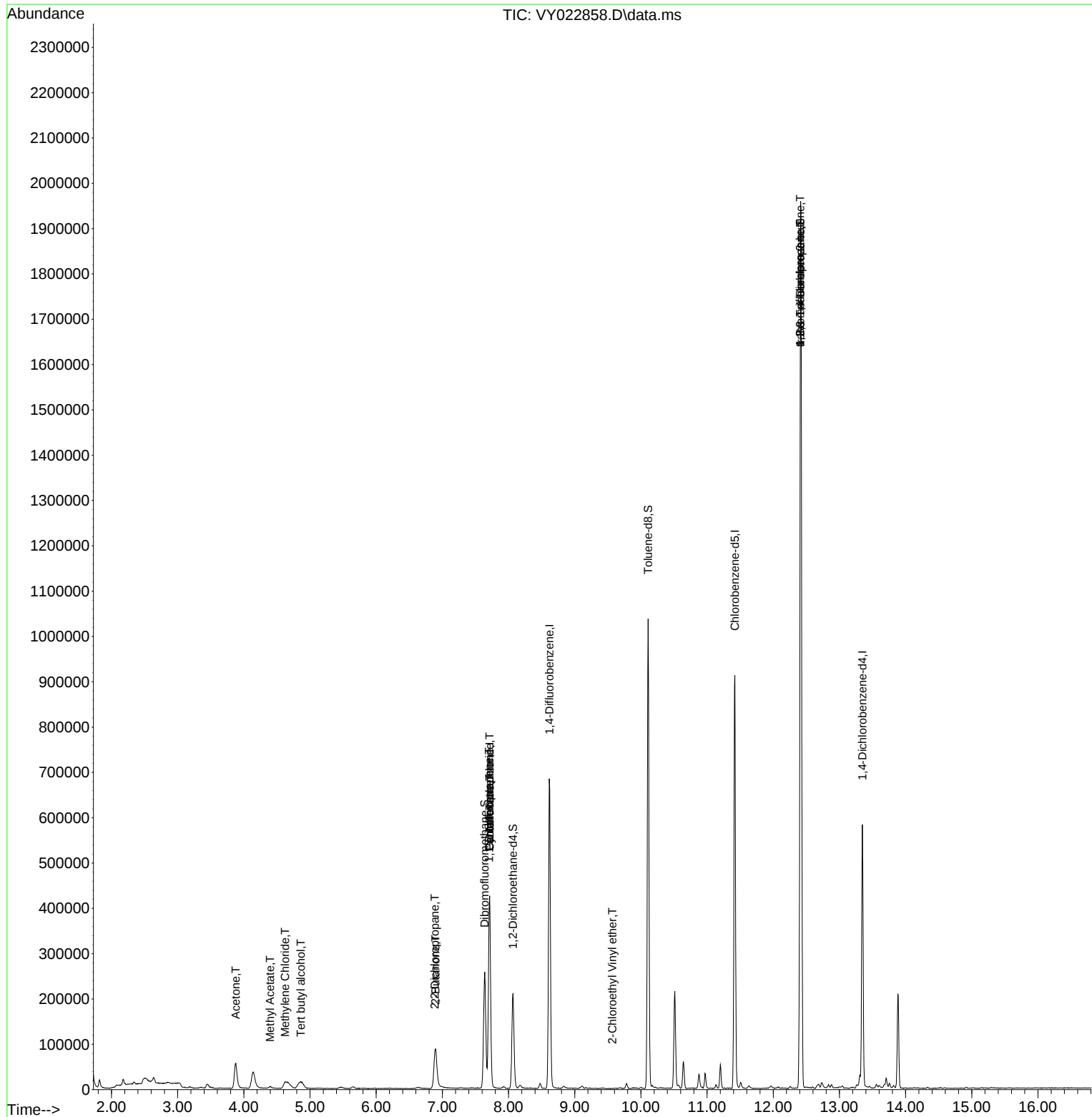
Internal Standards						
1) Pentafluorobenzene	7.713	168	321317	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	576459	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	466631	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	138920	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	166692	46.481	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.960%
35) Dibromofluoromethane	7.640	113	179858	51.304	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.600%
50) Toluene-d8	10.109	98	656765	47.211	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.420%
62) 4-Bromofluorobenzene	12.408	95	183199	40.965	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.940%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.860	59	19770	82.908	ug/l #	84
16) Acetone	3.879	43	104592	154.306	ug/l	100
18) Methyl Acetate	4.397	43	6876	3.063	ug/l #	86
20) Methylene Chloride	4.622	84	9184	2.145	ug/l	91
25) 2-Butanone	6.896	43	12344	12.513	ug/l	96
26) 2,2-Dichloropropane	6.884	77	6710	1.193	ug/l #	53
31) Cyclohexane	7.713	56	8583	1.393	ug/l #	36
36) 1,1-Dichloropropene	7.707	75	27833	5.238	ug/l #	50
38) Carbon Tetrachloride	7.713	117	32852	5.859	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.567	63	67	15.687	ug/l #	48
76) 1,2,3-Trichloropropane	12.408	75	113377	79.941	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	113377	201.963	ug/l #	12

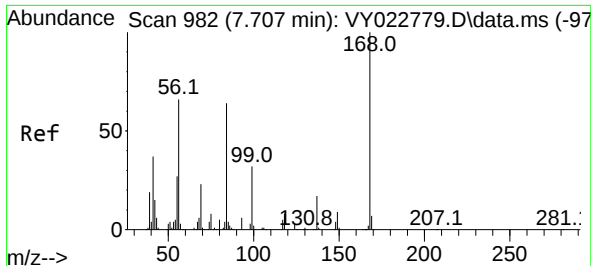
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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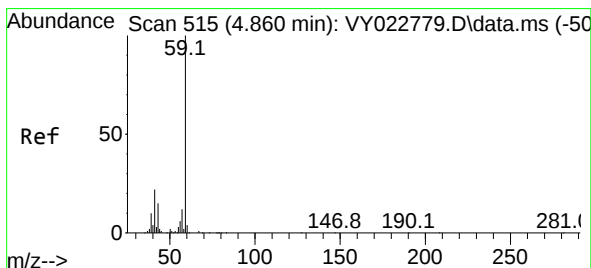
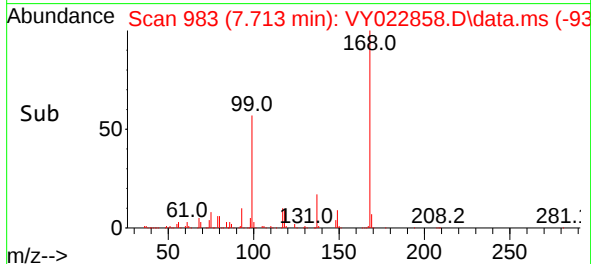
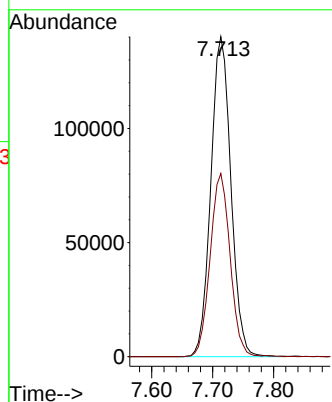
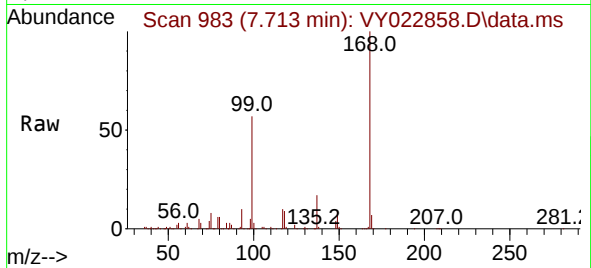




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022858.D
Acq: 27 Jun 2025 13:46

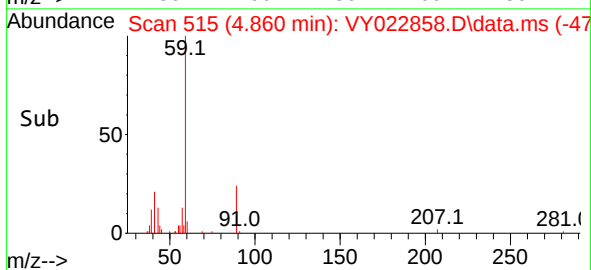
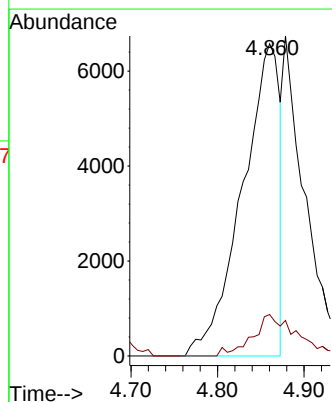
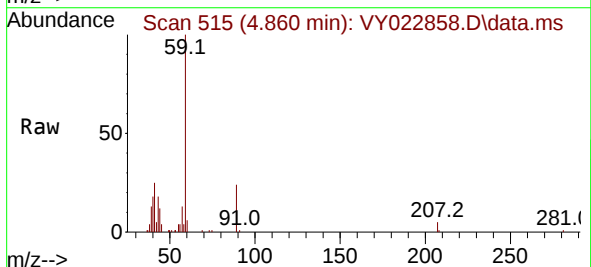
Instrument :
MSVOA_Y
ClientSampleId :
TP-85

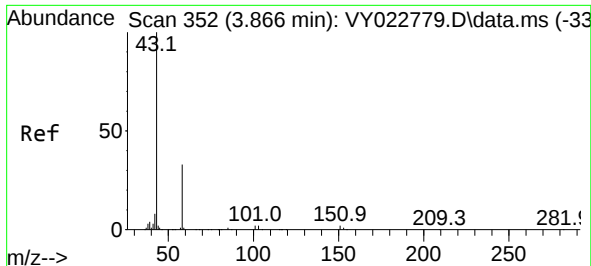
Tgt Ion:168 Resp: 321317
Ion Ratio Lower Upper
168 100
99 57.3 44.3 66.5



#11
Tert butyl alcohol
Concen: 82.908 ug/l
RT: 4.860 min Scan# 515
Delta R.T. -0.025 min
Lab File: VY022858.D
Acq: 27 Jun 2025 13:46

Tgt Ion: 59 Resp: 19770
Ion Ratio Lower Upper
59 100
57 15.8 8.0 12.0#

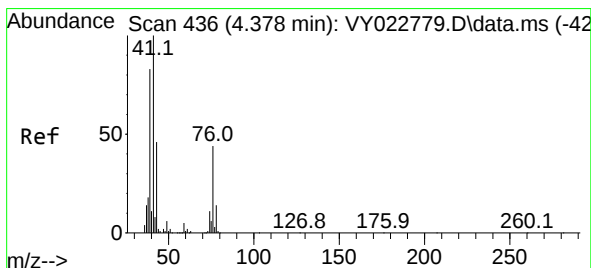
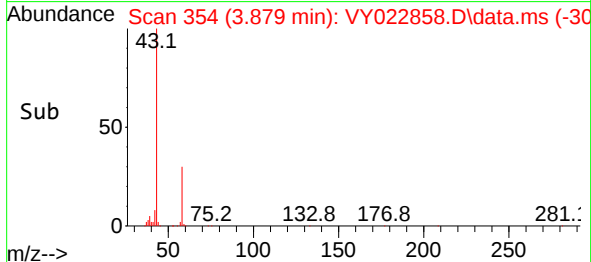
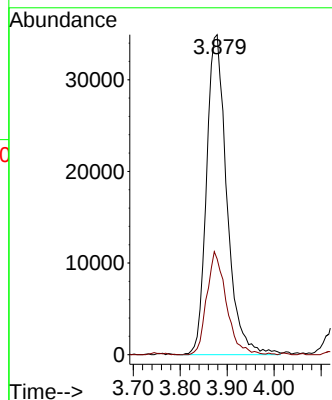
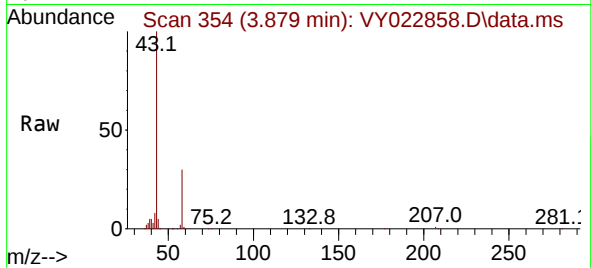




#16
Acetone
Concen: 154.306 ug/l
RT: 3.879 min Scan# 31
Delta R.T. -0.000 min
Lab File: VY022858.D
Acq: 27 Jun 2025 13:46

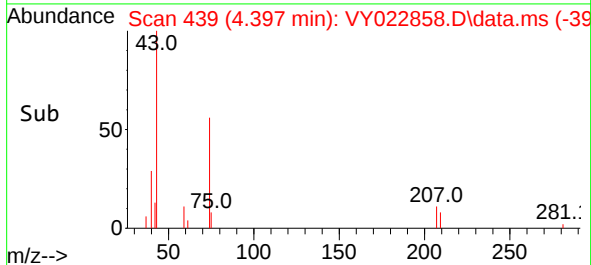
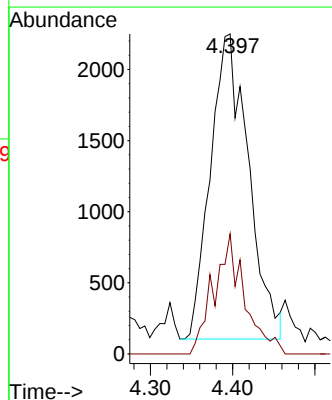
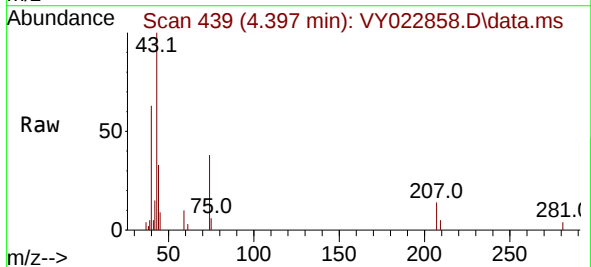
Instrument :
MSVOA_Y
ClientSampleId :
TP-85

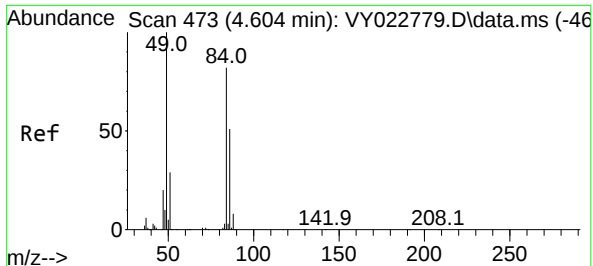
Tgt Ion: 43 Resp: 104592
Ion Ratio Lower Upper
43 100
58 29.9 24.0 36.0



#18
Methyl Acetate
Concen: 3.063 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.000 min
Lab File: VY022858.D
Acq: 27 Jun 2025 13:46

Tgt Ion: 43 Resp: 6876
Ion Ratio Lower Upper
43 100
74 31.8 19.8 29.6#



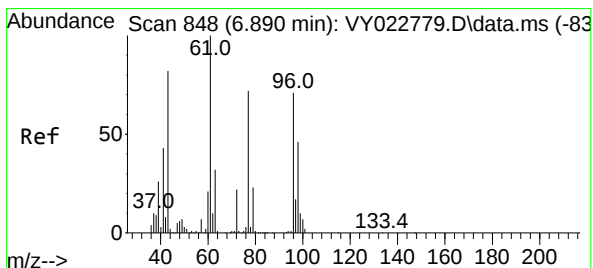
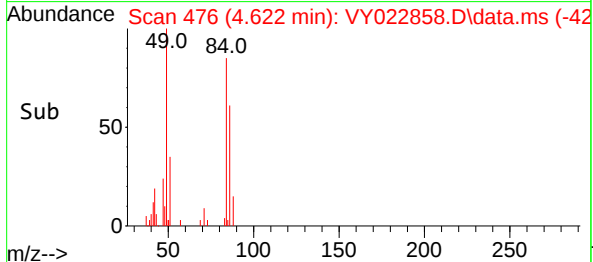
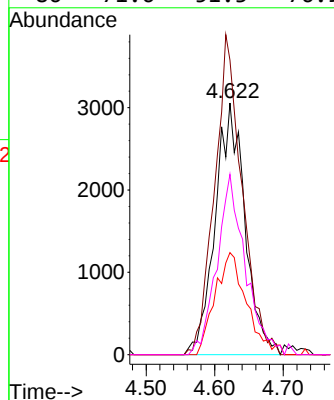
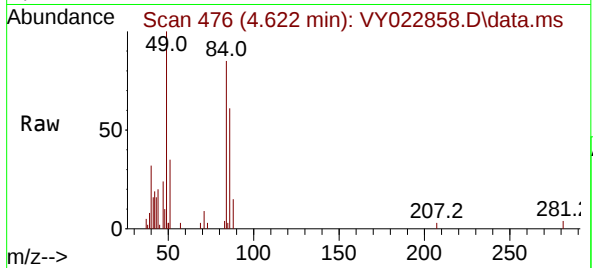


#20
Methylene Chloride
Concen: 2.145 ug/l
RT: 4.622 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY022858.D
Acq: 27 Jun 2025 13:46

Instrument :
MSVOA_Y
ClientSampleId :
TP-85

Tgt Ion: 84 Resp: 9184

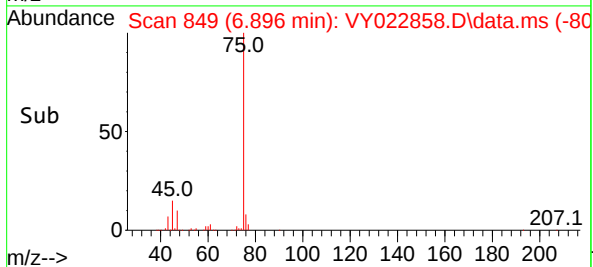
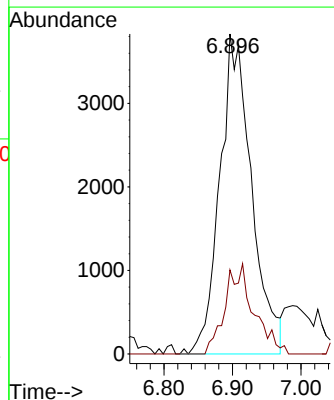
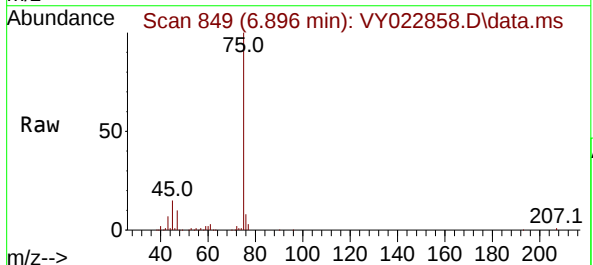
Ion	Ratio	Lower	Upper
84	100		
49	117.0	101.9	152.9
51	40.5	29.8	44.8
86	71.6	51.3	76.9

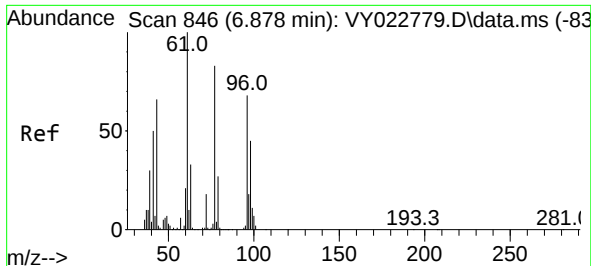


#25
2-Butanone
Concen: 12.513 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY022858.D
Acq: 27 Jun 2025 13:46

Tgt Ion: 43 Resp: 12344

Ion	Ratio	Lower	Upper
43	100		
72	26.3	22.9	34.3





#26

2,2-Dichloropropane

Concen: 1.193 ug/l

RT: 6.884 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY022858.D

Acq: 27 Jun 2025 13:46

Instrument :

MSVOA_Y

ClientSampleId :

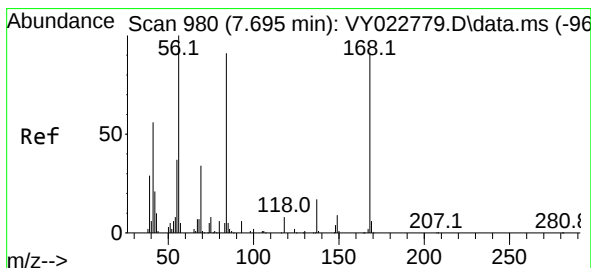
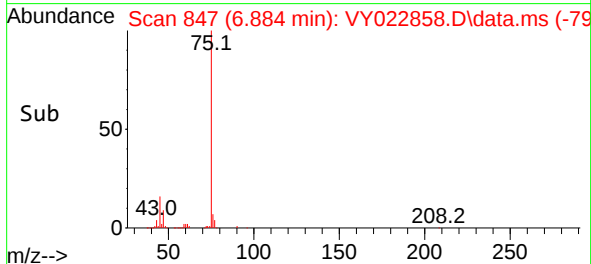
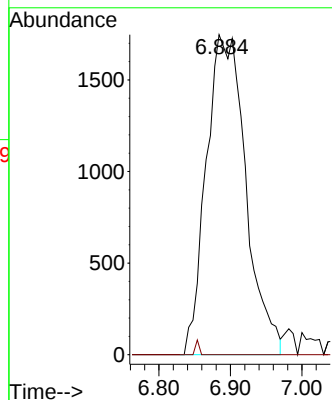
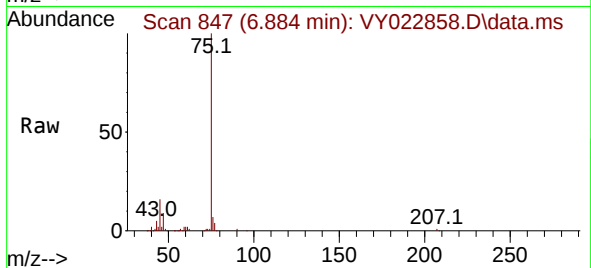
TP-85

Tgt Ion: 77 Resp: 6710

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#



#31

Cyclohexane

Concen: 1.393 ug/l

RT: 7.713 min Scan# 983

Delta R.T. 0.006 min

Lab File: VY022858.D

Acq: 27 Jun 2025 13:46

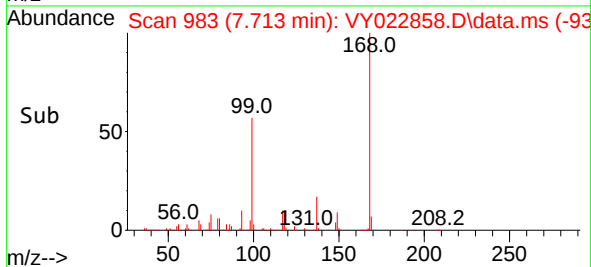
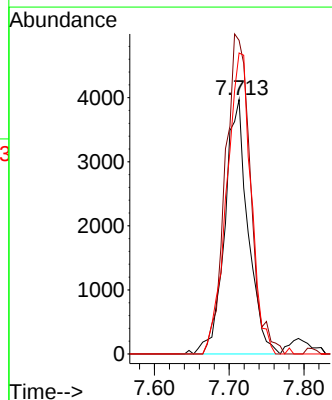
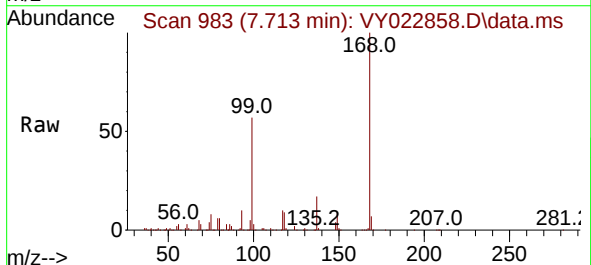
Tgt Ion: 56 Resp: 8583

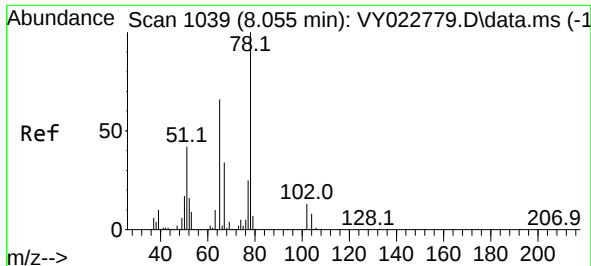
Ion Ratio Lower Upper

56 100

69 123.3 27.0 40.6#

84 118.3 72.6 109.0#

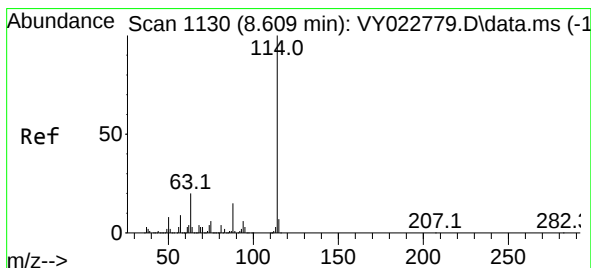
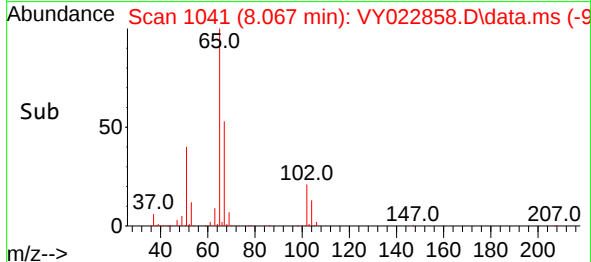
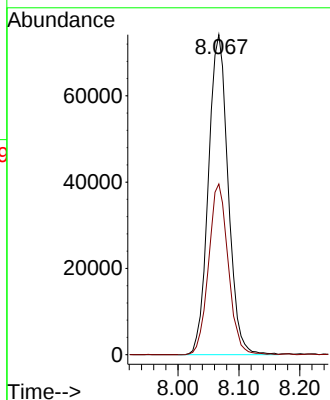
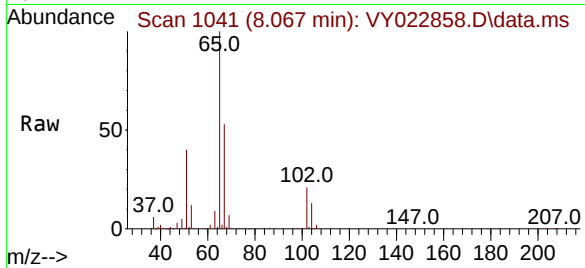




#33
 1,2-Dichloroethane-d4
 Concen: 46.481 ug/l
 RT: 8.067 min Scan# 1039
 Delta R.T. -0.000 min
 Lab File: VY022858.D
 Acq: 27 Jun 2025 13:46

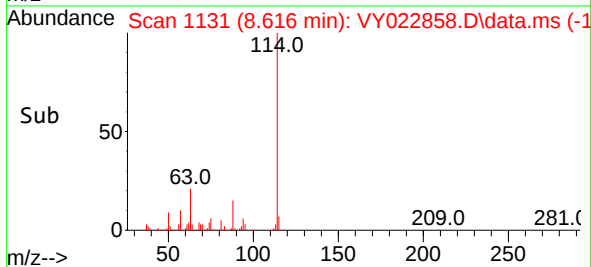
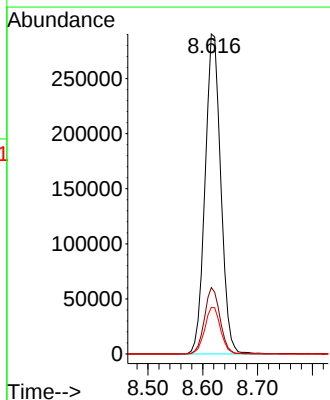
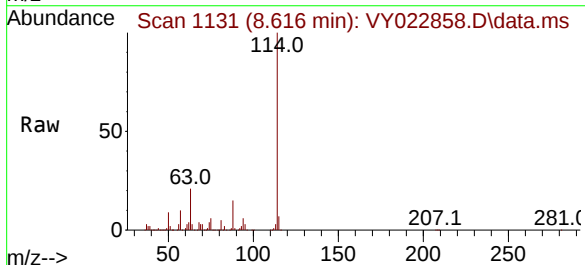
Instrument :
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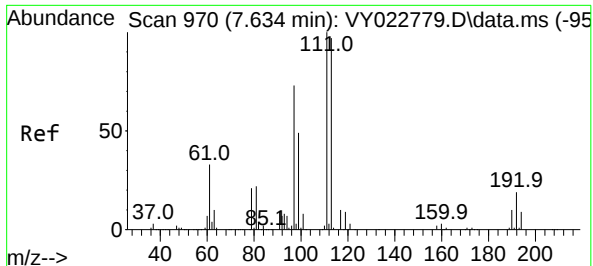
Tgt Ion: 65 Resp: 166692
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.616 min Scan# 1131
 Delta R.T. -0.000 min
 Lab File: VY022858.D
 Acq: 27 Jun 2025 13:46

Tgt Ion: 114 Resp: 576459
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 40.8
 88 14.5 0.0 27.8

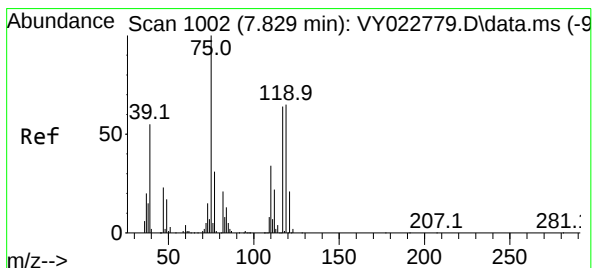
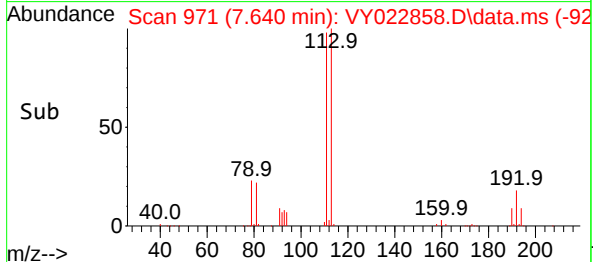
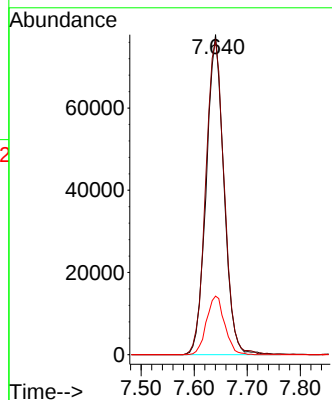
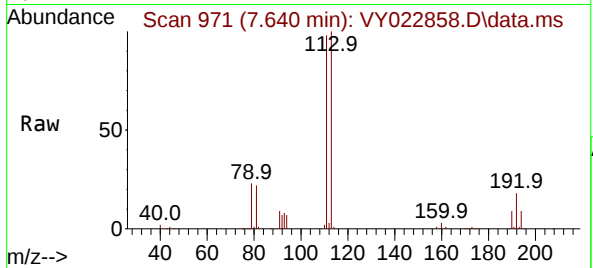




#35
Dibromofluoromethane
Concen: 51.304 ug/l
RT: 7.640 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022858.D
Acq: 27 Jun 2025 13:46

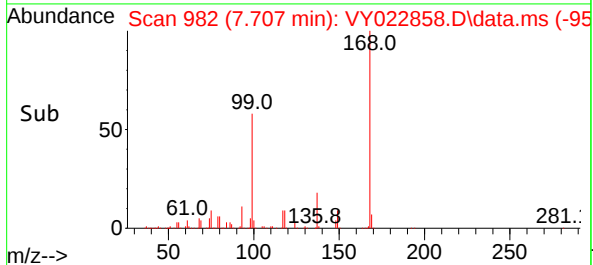
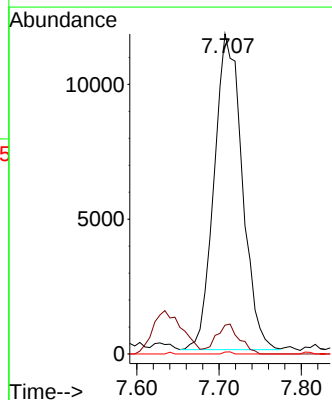
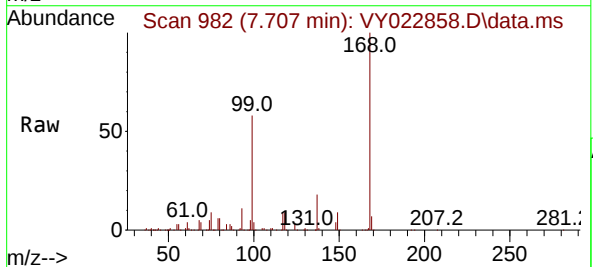
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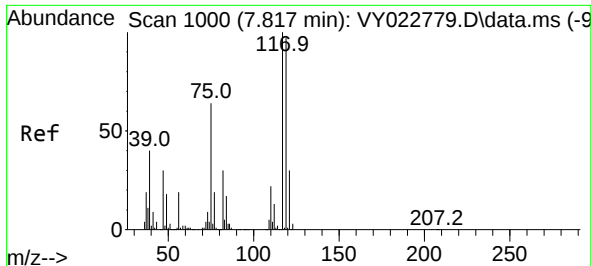
Tgt Ion:113 Resp: 179858
Ion Ratio Lower Upper
113 100
111 102.8 81.1 121.7
192 18.8 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.238 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022858.D
Acq: 27 Jun 2025 13:46

Tgt Ion: 75 Resp: 27833
Ion Ratio Lower Upper
75 100
110 8.0 16.9 50.7#
77 0.2 24.8 37.2#

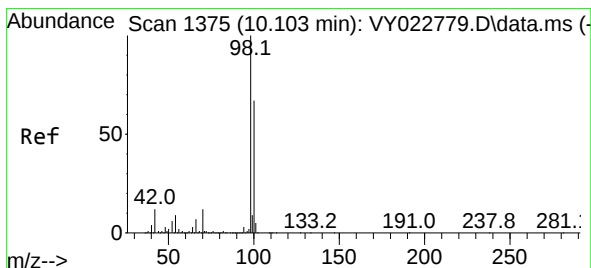
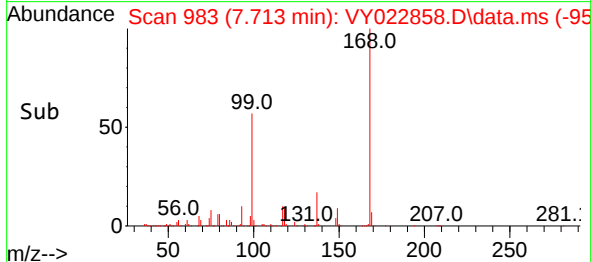
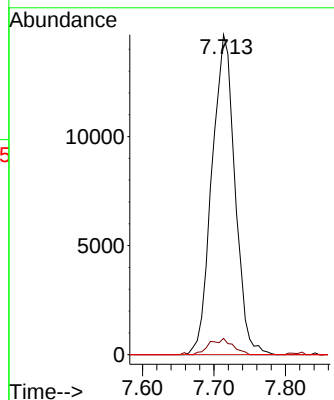
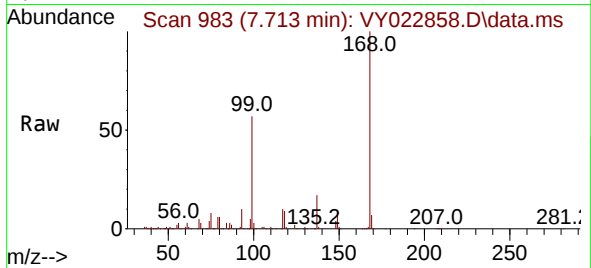




#38
Carbon Tetrachloride
Concen: 5.859 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022858.D
Acq: 27 Jun 2025 13:46

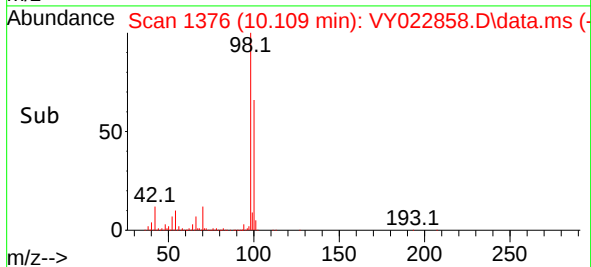
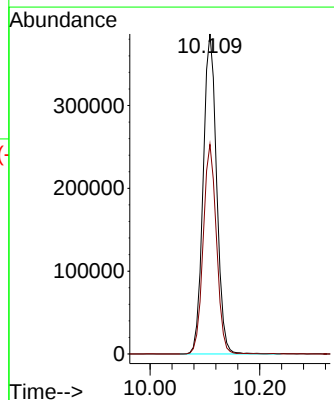
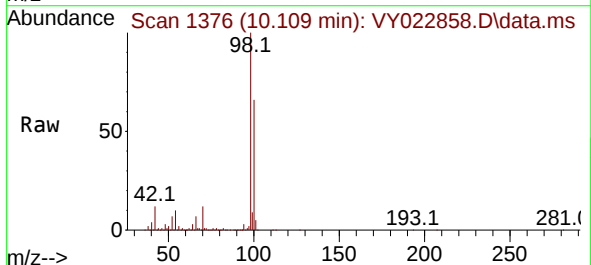
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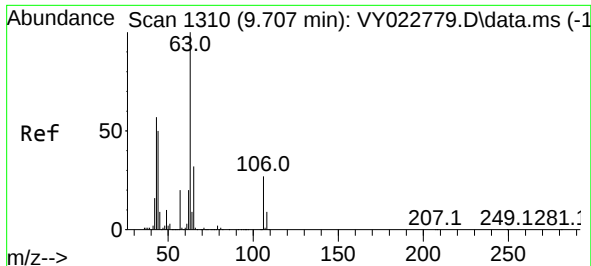
Tgt Ion:117 Resp: 32852
Ion Ratio Lower Upper
117 100
119 5.1 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 47.211 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022858.D
Acq: 27 Jun 2025 13:46

Tgt Ion: 98 Resp: 656765
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.0

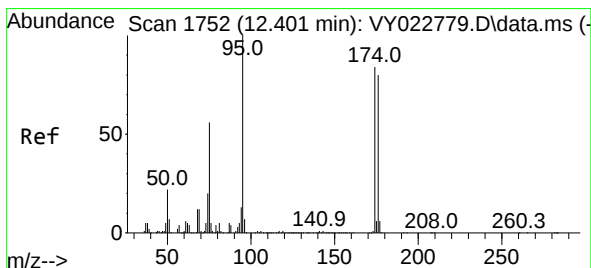
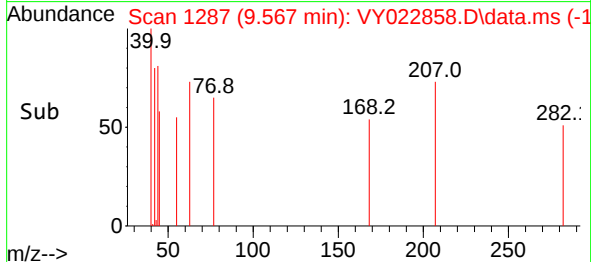
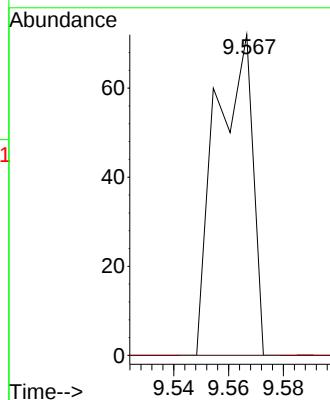
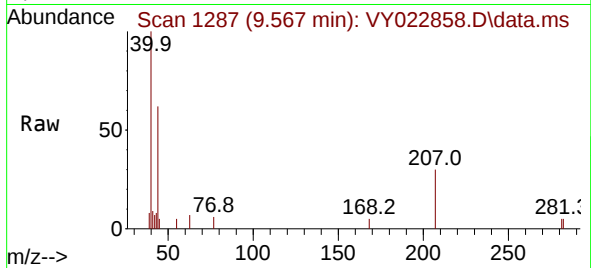




#58
2-Chloroethyl Vinyl ether
Concen: 15.687 ug/l
RT: 9.567 min Scan# 11
Delta R.T. -0.146 min
Lab File: VY022858.D
Acq: 27 Jun 2025 13:46

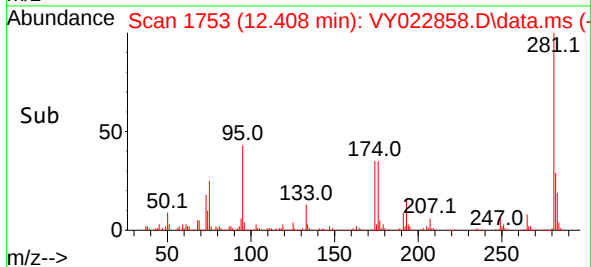
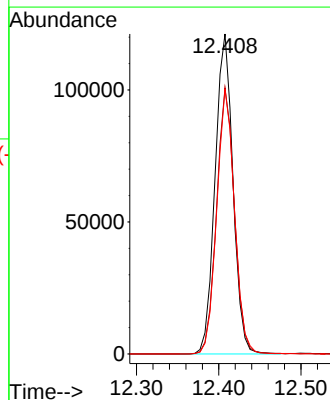
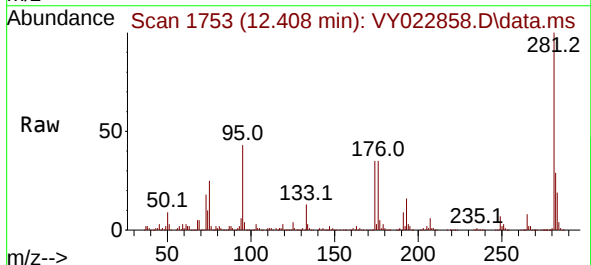
Instrument :
MSVOA_Y
ClientSampleId :
TP-85

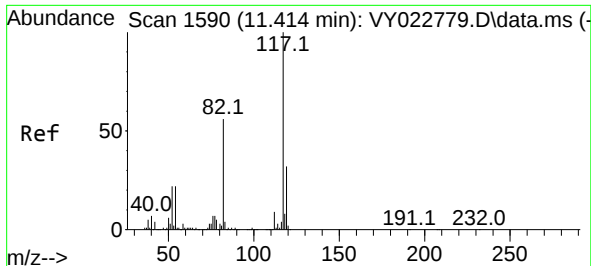
Tgt Ion: 63 Resp: 67
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#



#62
4-Bromofluorobenzene
Concen: 40.965 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022858.D
Acq: 27 Jun 2025 13:46

Tgt Ion: 95 Resp: 183199
Ion Ratio Lower Upper
95 100
174 83.2 0.0 170.0
176 82.4 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022858.D

Acq: 27 Jun 2025 13:46

Instrument :

MSVOA_Y

ClientSampleId :

TP-85

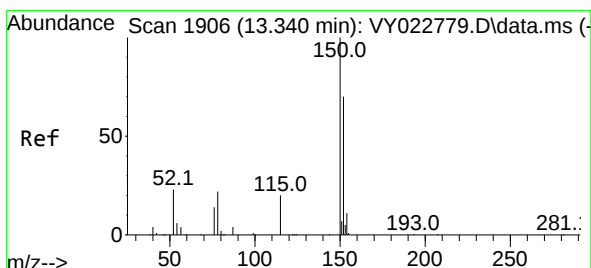
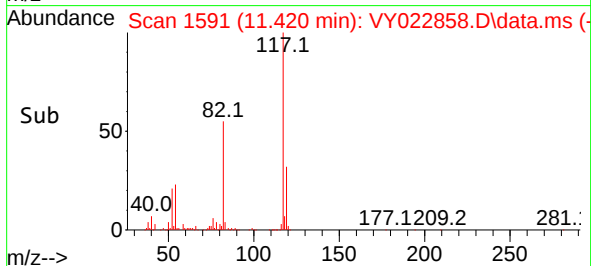
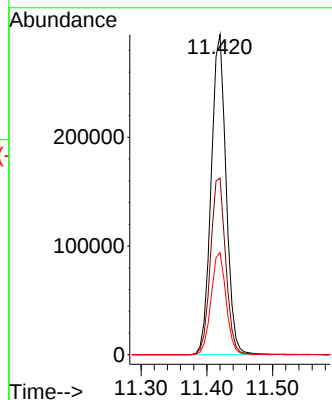
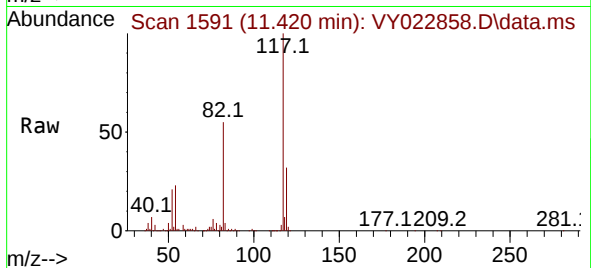
Tgt Ion:117 Resp: 466631

Ion Ratio Lower Upper

117 100

82 55.2 44.6 66.8

119 31.9 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: VY022858.D

Acq: 27 Jun 2025 13:46

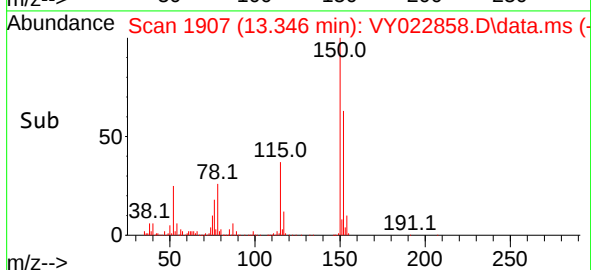
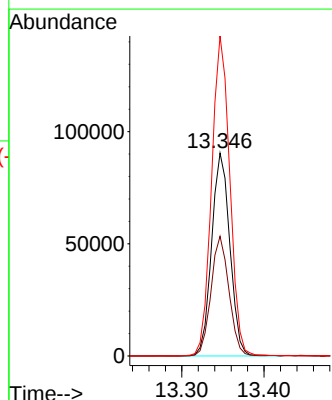
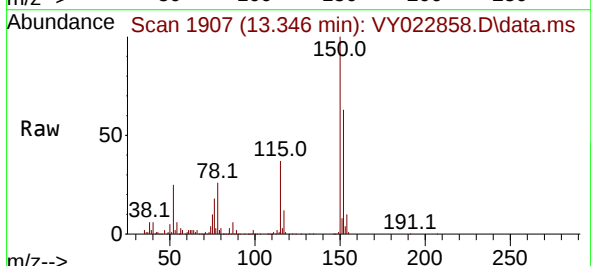
Tgt Ion:152 Resp: 138920

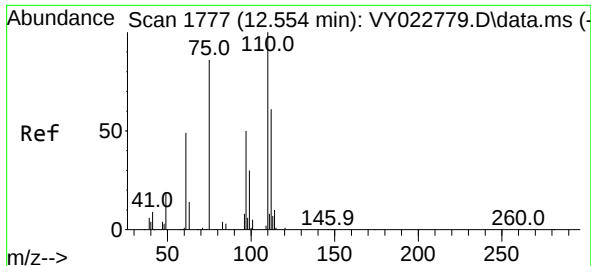
Ion Ratio Lower Upper

152 100

115 58.3 28.9 86.7

150 157.5 0.0 349.6

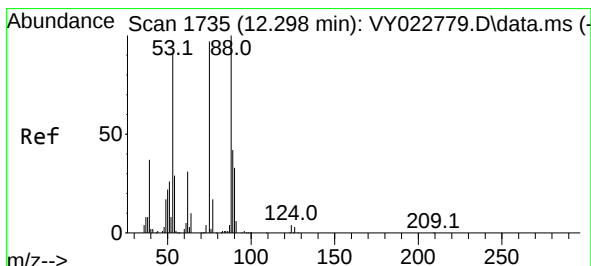
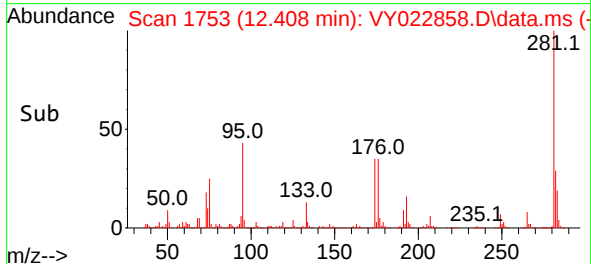
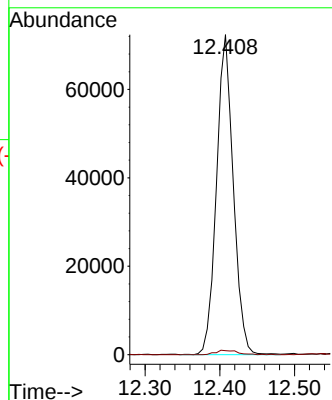
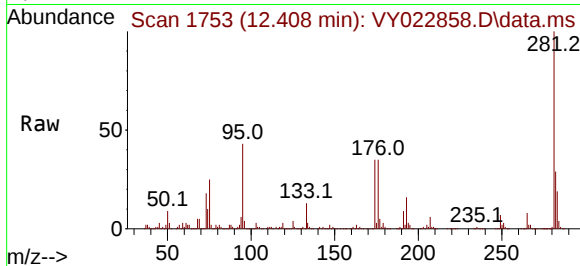




#76
1,2,3-Trichloropropane
Concen: 79.941 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY022858.D
Acq: 27 Jun 2025 13:46

Instrument :
MSVOA_Y
ClientSampleId :
TP-85

Tgt Ion: 75 Resp: 113377
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 201.963 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.103 min
Lab File: VY022858.D
Acq: 27 Jun 2025 13:46

Tgt Ion: 75 Resp: 113377
Ion Ratio Lower Upper
75 100
53 0.1 78.5 117.7#
89 3.9 35.7 53.5#

