

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120325\
 Data File : VY023866.D
 Acq On : 03 Dec 2025 13:19
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Dec 04 03:53:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 03:49:13 2025
 Response via : Initial Calibration

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

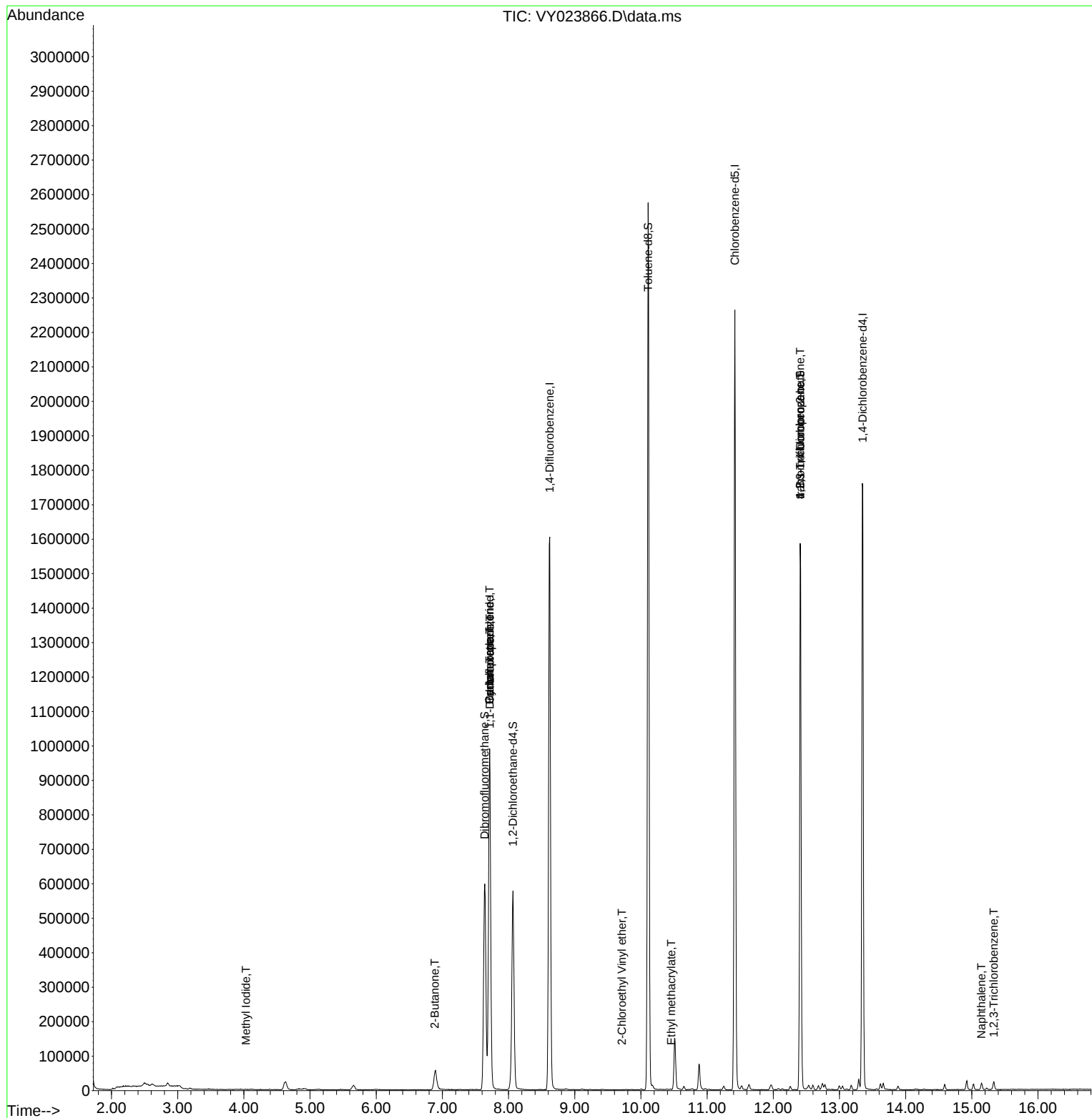
Internal Standards						
1) Pentafluorobenzene	7.713	168	775579	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	1399546	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1170012	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	463629	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	435270	56.102	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.200%
35) Dibromofluoromethane	7.640	113	441619	49.198	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.400%
50) Toluene-d8	10.109	98	1638440	46.906	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.820%
62) 4-Bromofluorobenzene	12.407	95	470308	39.475	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.960%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.031	142	1974	2.652	ug/l #	84
11) Tert butyl alcohol	4.823	59	3481	Below Cal	#	74
25) 2-Butanone	6.884	43	3808	1.359	ug/l #	67
31) Cyclohexane	7.713	56	15866	1.092	ug/l #	1
36) 1,1-Dichloropropene	7.719	75	60371	4.561	ug/l #	50
38) Carbon Tetrachloride	7.713	117	76449	5.233	ug/l #	16
56) Ethyl methacrylate	10.456	69	586	4.204	ug/l	87
58) 2-Chloroethyl Vinyl ether	9.713	63	195	14.759	ug/l #	47
76) 1,2,3-Trichloropropane	12.407	75	240753	52.380	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	240753	125.455	ug/l #	14
95) Naphthalene	15.145	128	15252	1.123	ug/l	97
96) 1,2,3-Trichlorobenzene	15.334	180	7391	1.051	ug/l	98

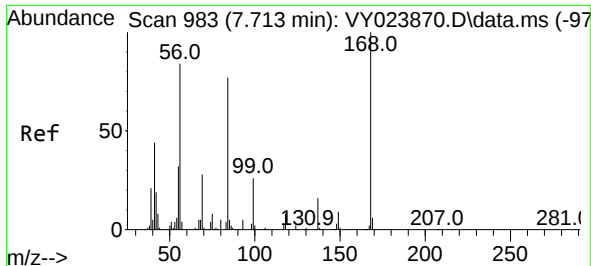
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120325\
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Quant Title : SW846 8260
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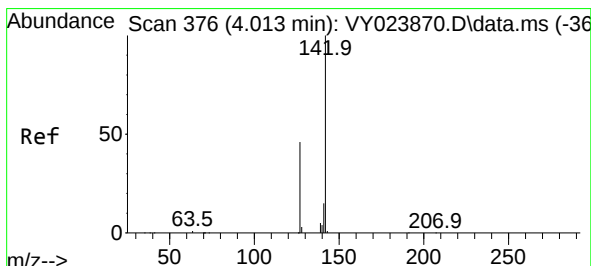
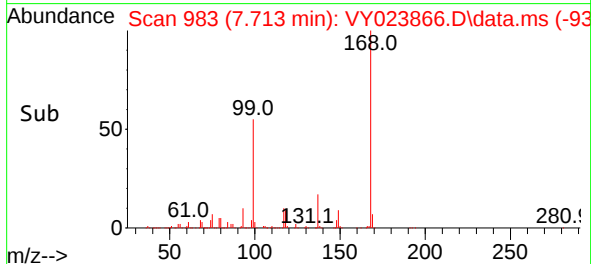
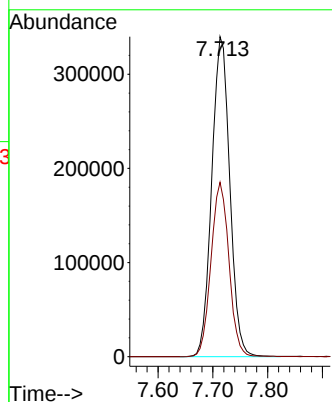
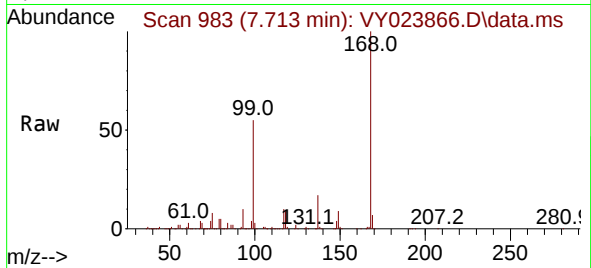




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY023866.D
Acq: 03 Dec 2025 13:19

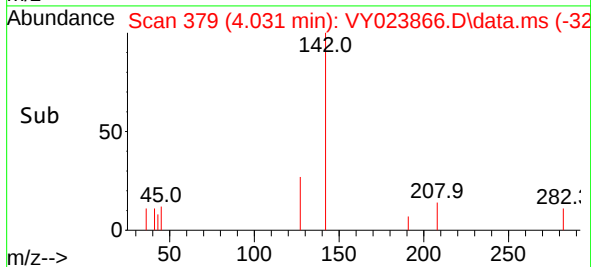
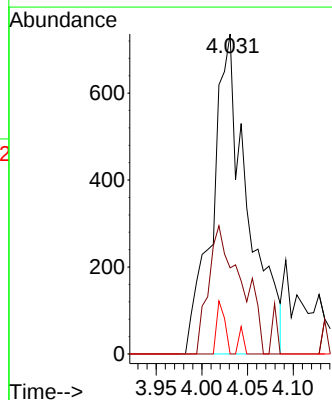
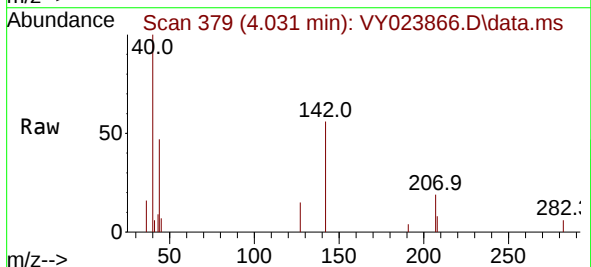
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

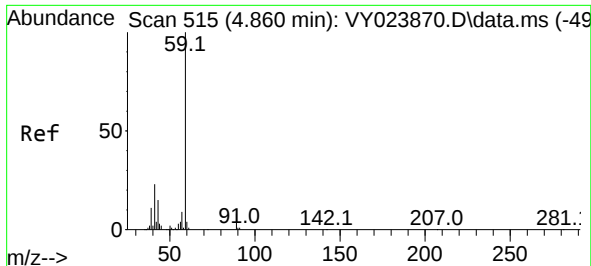
Tgt Ion:168 Resp: 775579
Ion Ratio Lower Upper
168 100
99 54.5 42.5 63.7



#10
Methyl Iodide
Concen: 2.652 ug/l
RT: 4.031 min Scan# 379
Delta R.T. 0.018 min
Lab File: VY023866.D
Acq: 03 Dec 2025 13:19

Tgt Ion:142 Resp: 1974
Ion Ratio Lower Upper
142 100
127 36.9 36.1 54.1
141 3.8 11.8 17.8#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.823 min Scan# 509

Delta R.T. -0.037 min

Lab File: VY023866.D

Acq: 03 Dec 2025 13:19

Instrument :

MSVOA_Y

ClientSampleId :

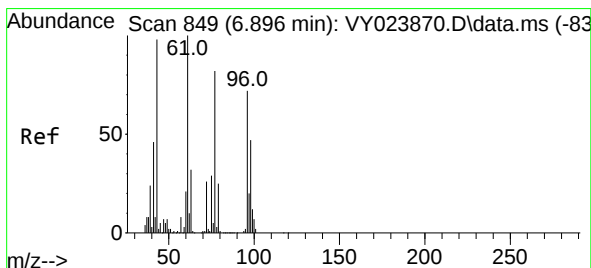
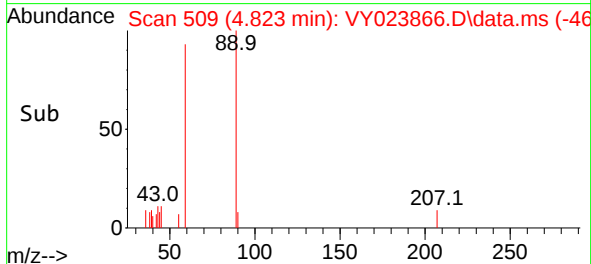
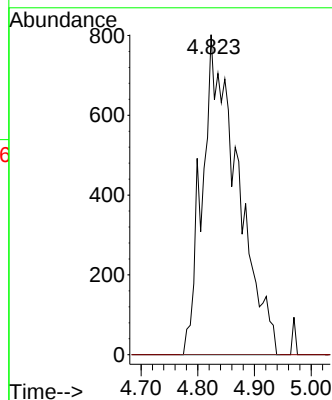
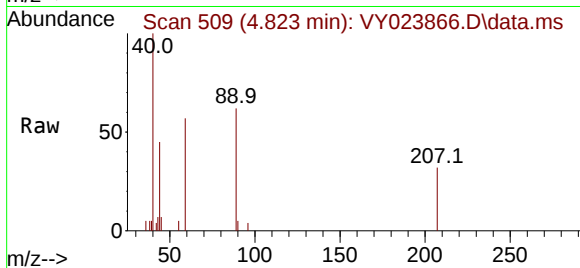
VIBLK

Tgt Ion: 59 Resp: 3481

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



#25

2-Butanone

Concen: 1.359 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.013 min

Lab File: VY023866.D

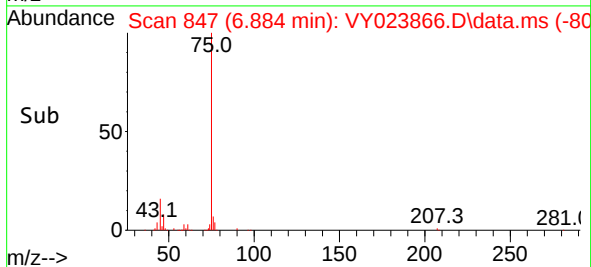
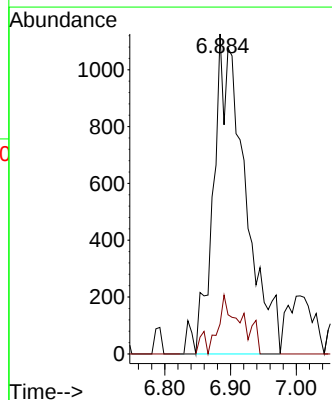
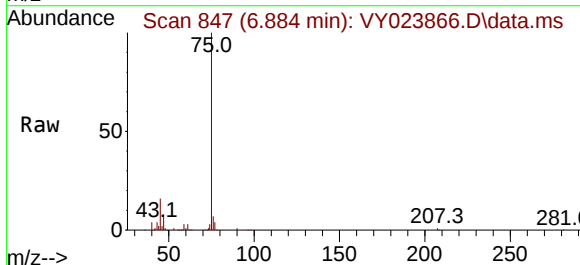
Acq: 03 Dec 2025 13:19

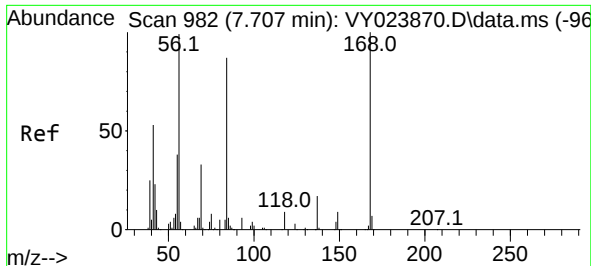
Tgt Ion: 43 Resp: 3808

Ion Ratio Lower Upper

43 100

72 9.3 21.0 31.6#

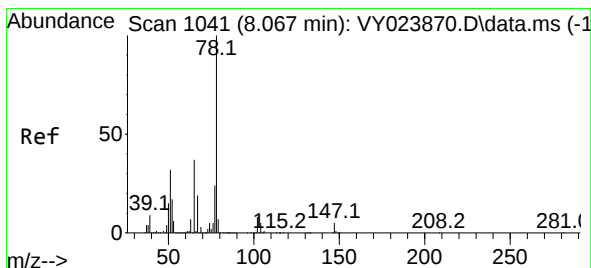
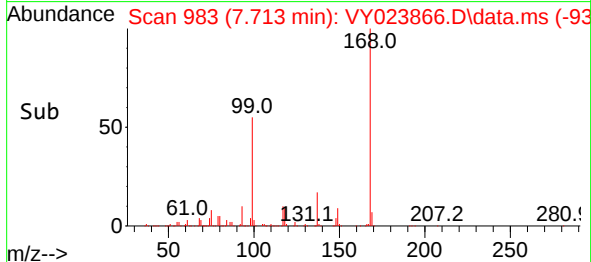
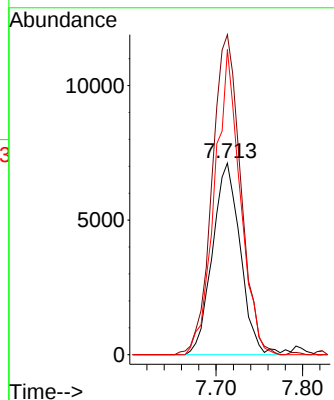
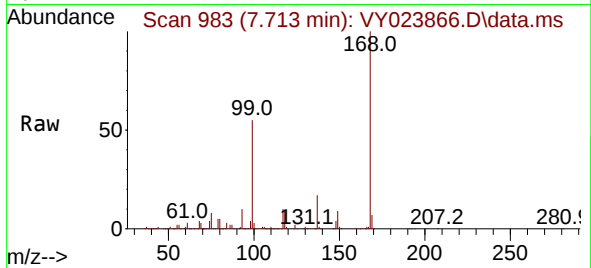




#31
Cyclohexane
Concen: 1.092 ug/l
RT: 7.713 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023866.D
Acq: 03 Dec 2025 13:19

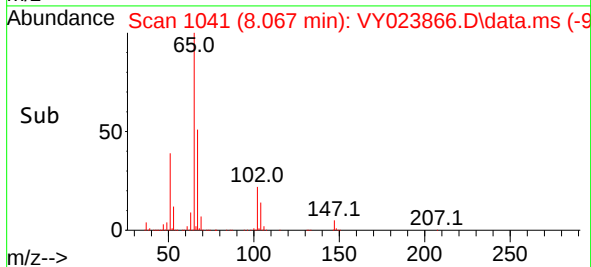
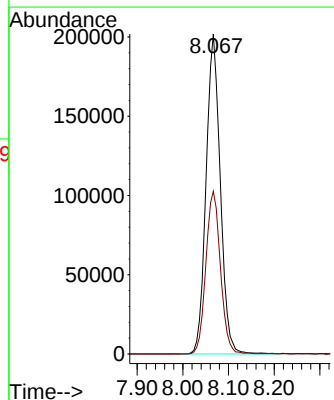
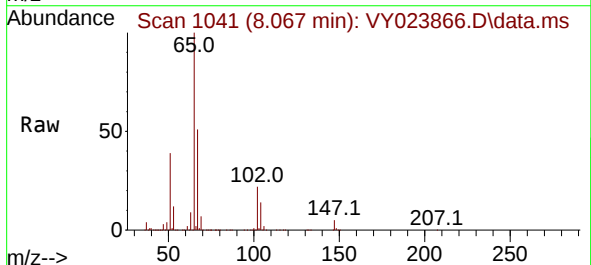
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

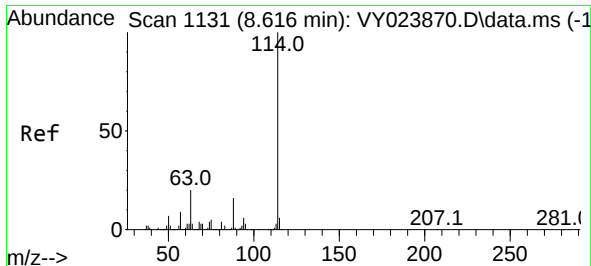
Tgt Ion: 56 Resp: 15866
Ion Ratio Lower Upper
56 100
69 167.1 26.8 40.2#
84 159.3 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 56.102 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY023866.D
Acq: 03 Dec 2025 13:19

Tgt Ion: 65 Resp: 435270
Ion Ratio Lower Upper
65 100
67 52.3 0.0 107.2

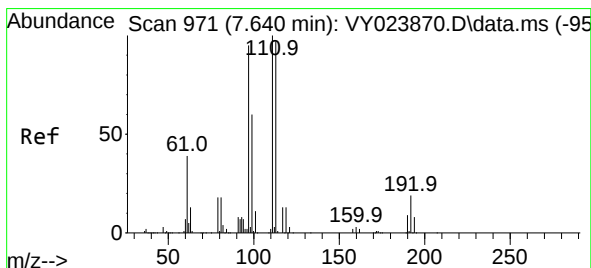
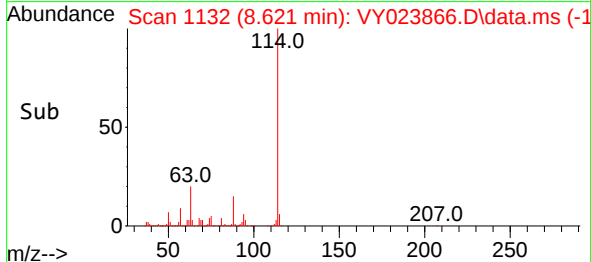
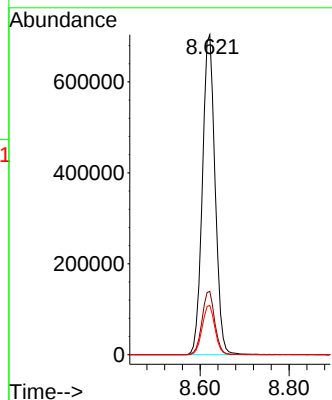
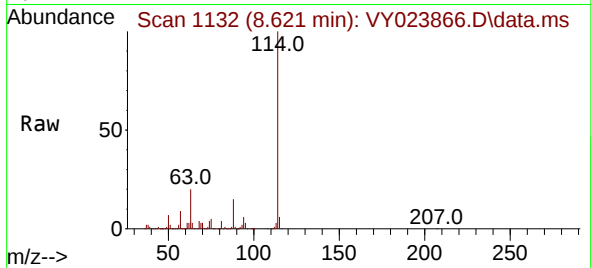




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.621 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY023866.D
Acq: 03 Dec 2025 13:19

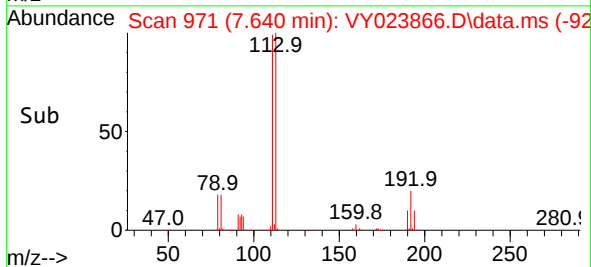
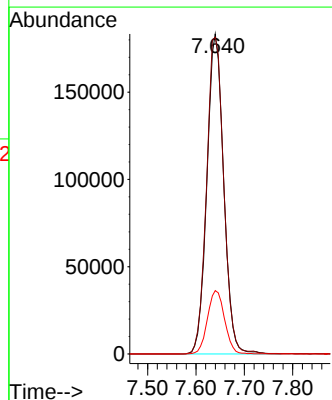
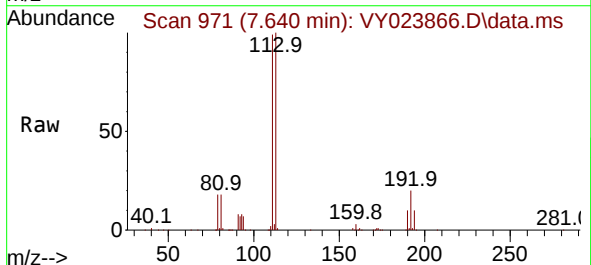
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

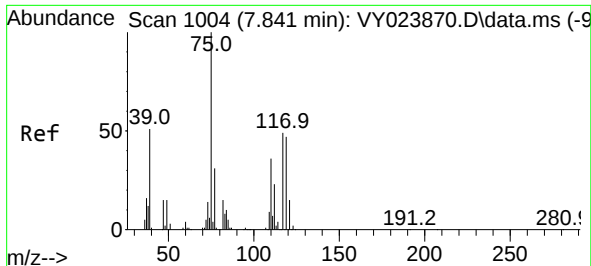
Tgt Ion:114 Resp: 1399546
Ion Ratio Lower Upper
114 100
63 19.8 0.0 39.2
88 15.4 0.0 31.4



#35
Dibromofluoromethane
Concen: 49.198 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.000 min
Lab File: VY023866.D
Acq: 03 Dec 2025 13:19

Tgt Ion:113 Resp: 441619
Ion Ratio Lower Upper
113 100
111 101.8 82.2 123.2
192 20.2 15.8 23.8

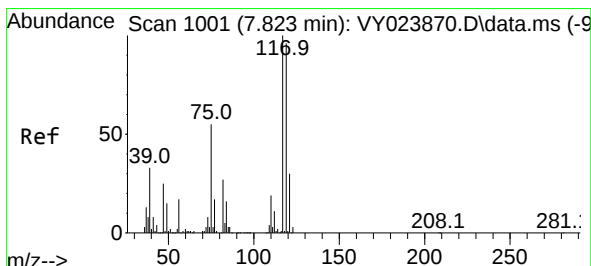
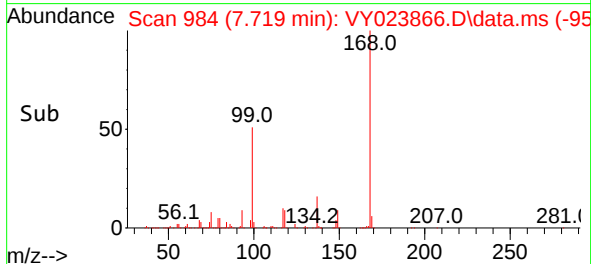
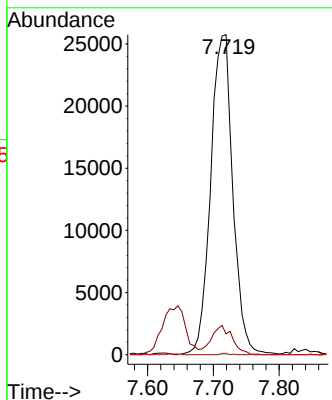
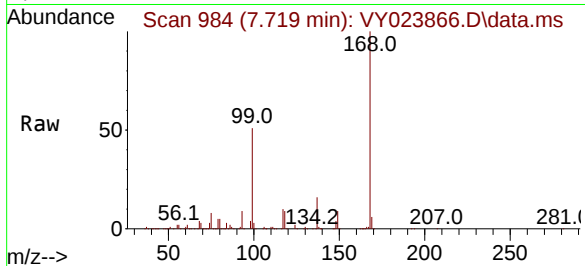




#36
 1,1-Dichloropropene
 Concen: 4.561 ug/l
 RT: 7.719 min Scan# 984
 Delta R.T. -0.122 min
 Lab File: VY023866.D
 Acq: 03 Dec 2025 13:19

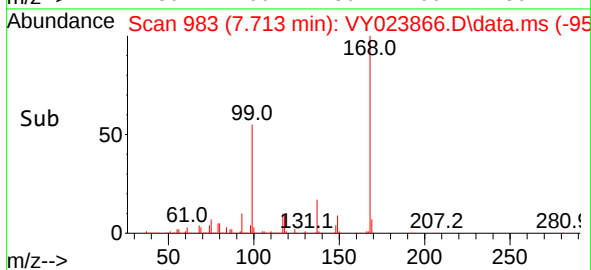
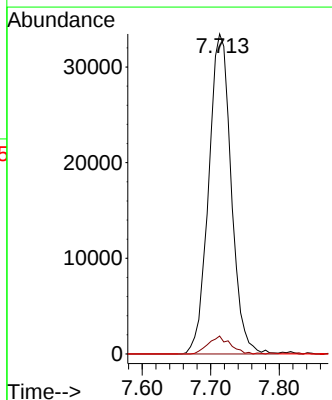
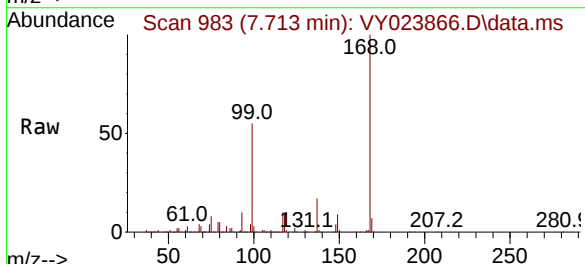
Instrument :
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 VIBLK

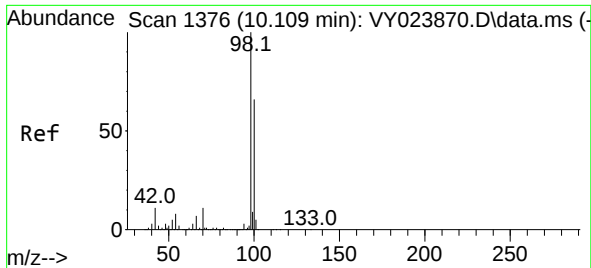
Tgt Ion: 75 Resp: 60371
 Ion Ratio Lower Upper
 75 100
 110 8.7 17.6 52.9#
 77 0.2 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 5.233 ug/l
 RT: 7.713 min Scan# 983
 Delta R.T. -0.110 min
 Lab File: VY023866.D
 Acq: 03 Dec 2025 13:19

Tgt Ion: 117 Resp: 76449
 Ion Ratio Lower Upper
 117 100
 119 5.6 77.0 115.6#
 121 0.0 23.9 35.9#

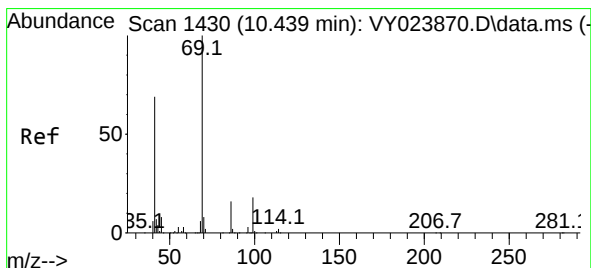
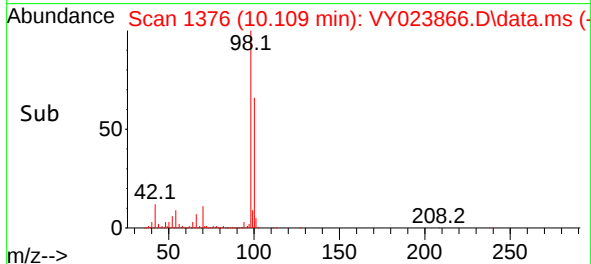
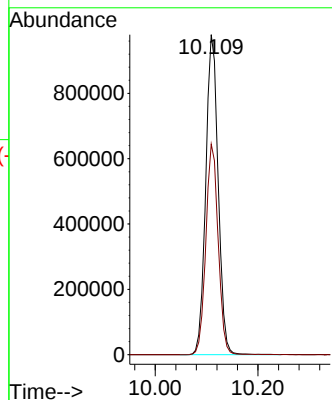
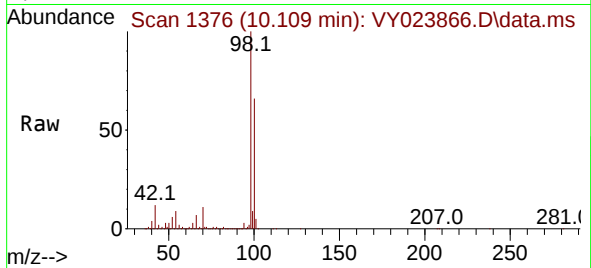




#50
Toluene-d8
Concen: 46.906 ug/l
RT: 10.109 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023866.D
Acq: 03 Dec 2025 13:19

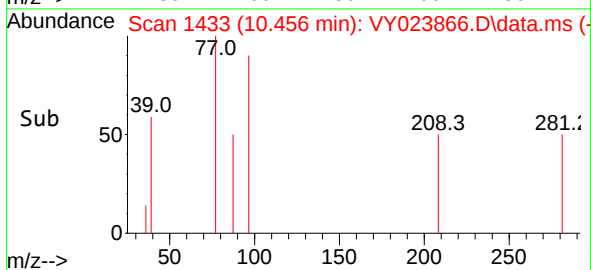
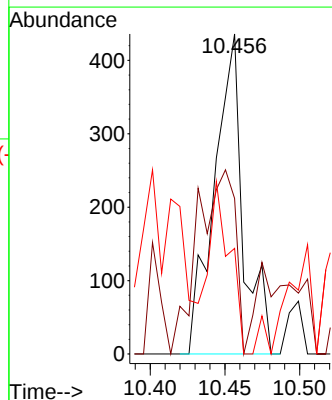
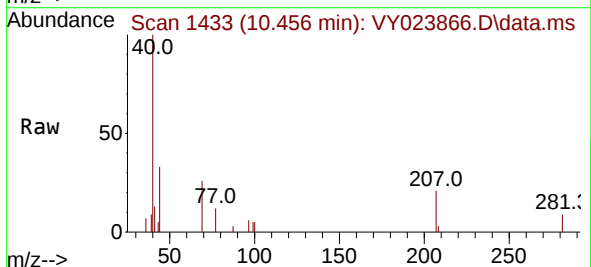
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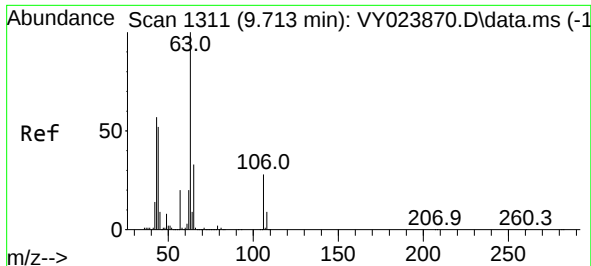
Tgt Ion: 98 Resp: 1638440
Ion Ratio Lower Upper
98 100
100 65.3 52.5 78.7



#56
Ethyl methacrylate
Concen: 4.204 ug/l
RT: 10.456 min Scan# 1433
Delta R.T. 0.018 min
Lab File: VY023866.D
Acq: 03 Dec 2025 13:19

Tgt Ion: 69 Resp: 586
Ion Ratio Lower Upper
69 100
41 77.8 52.5 78.7
39 38.7 27.1 40.7

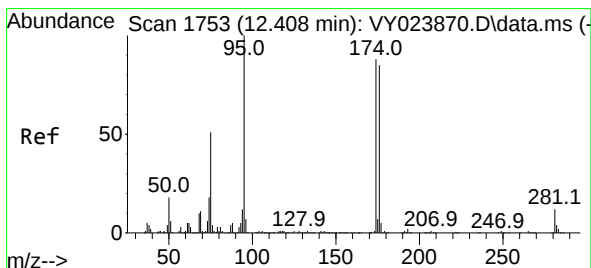
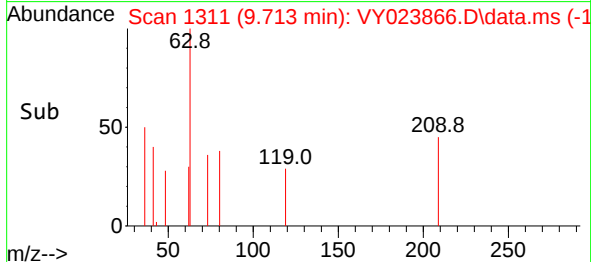
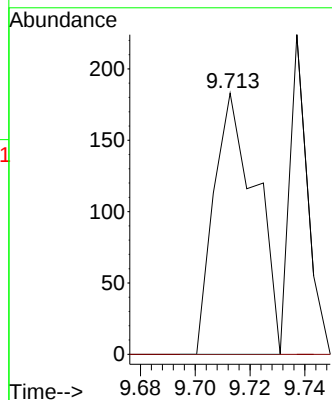
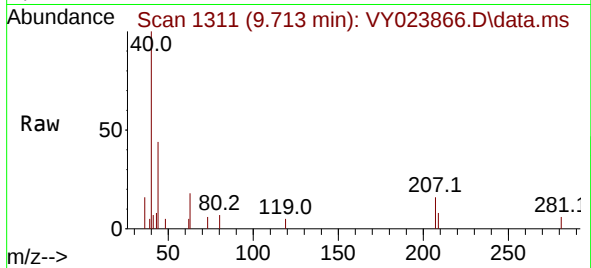




#58
2-Chloroethyl Vinyl ether
Concen: 14.759 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY023866.D
Acq: 03 Dec 2025 13:19

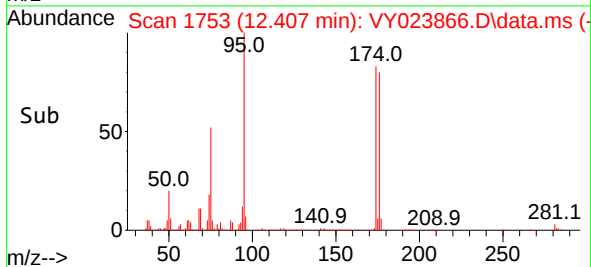
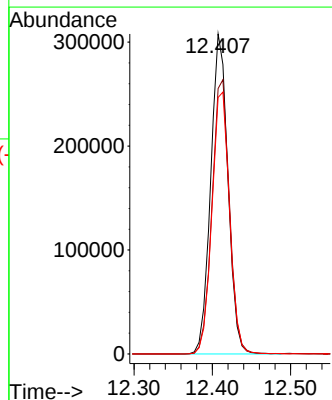
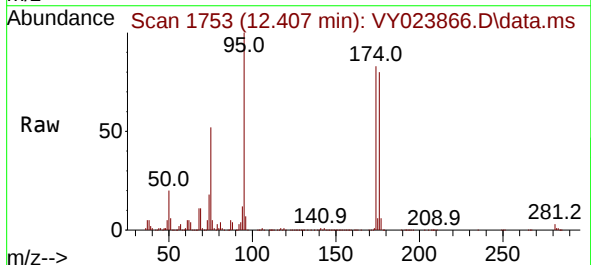
Instrument :
MSVOA_Y
ClientSampleId :
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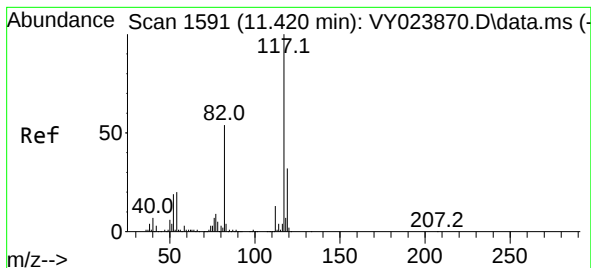
Tgt Ion: 63 Resp: 195
Ion Ratio Lower Upper
63 100
106 0.0 22.5 33.7#



#62
4-Bromofluorobenzene
Concen: 39.475 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY023866.D
Acq: 03 Dec 2025 13:19

Tgt Ion: 95 Resp: 470308
Ion Ratio Lower Upper
95 100
174 87.0 0.0 169.6
176 84.0 0.0 164.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023866.D

Acq: 03 Dec 2025 13:19

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

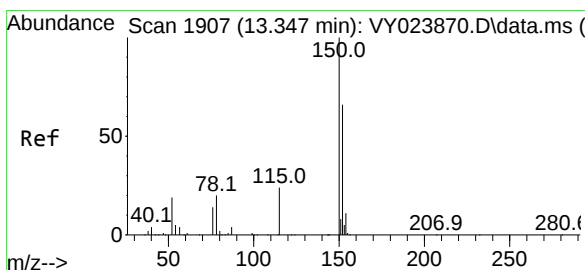
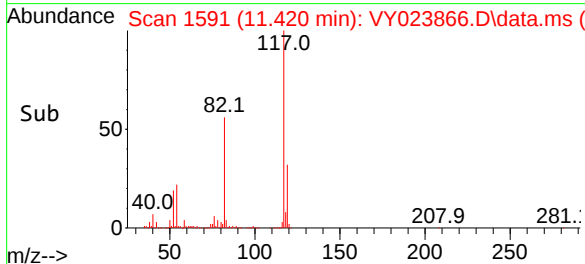
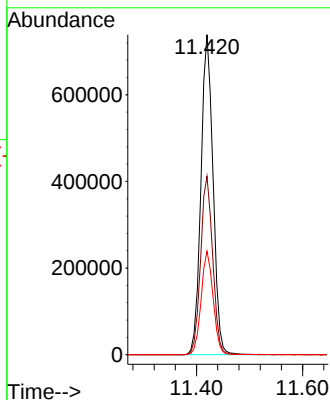
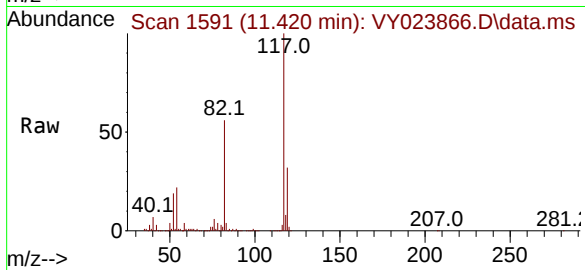
Tgt Ion:117 Resp: 1170012

Ion Ratio Lower Upper

117 100

82 55.7 43.1 64.7

119 32.4 26.0 39.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY023866.D

Acq: 03 Dec 2025 13:19

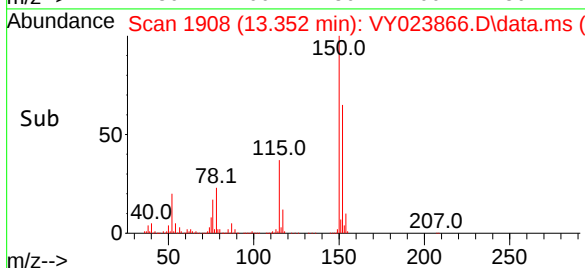
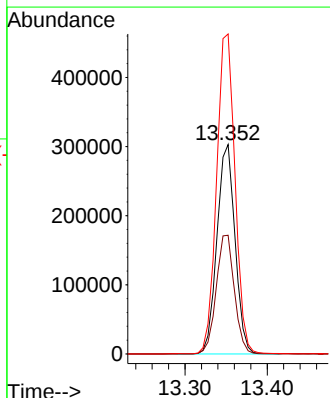
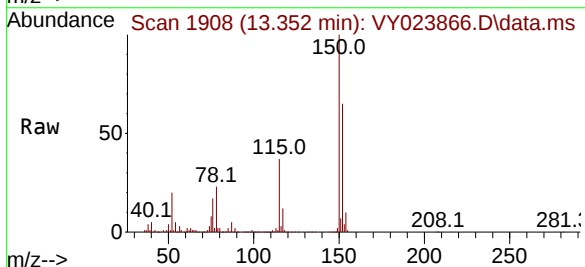
Tgt Ion:152 Resp: 463629

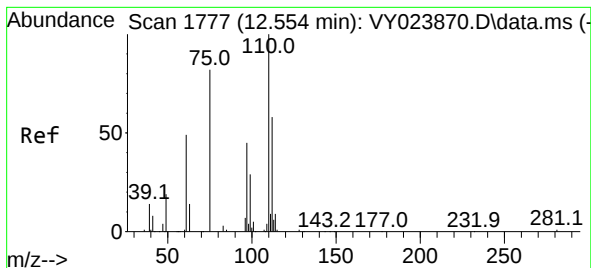
Ion Ratio Lower Upper

152 100

115 56.9 28.8 86.4

150 155.6 0.0 352.2

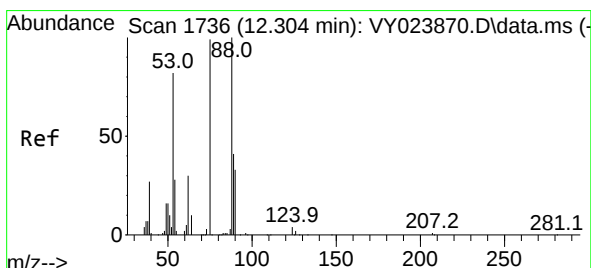
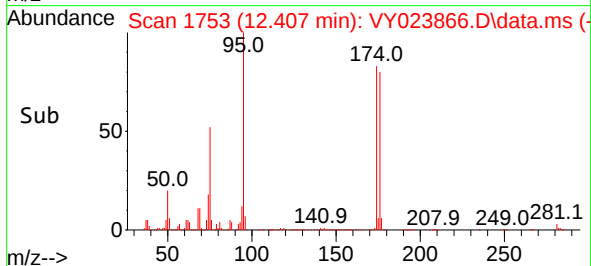
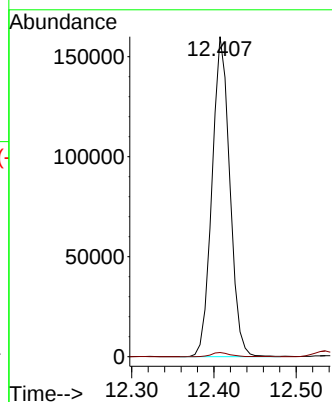
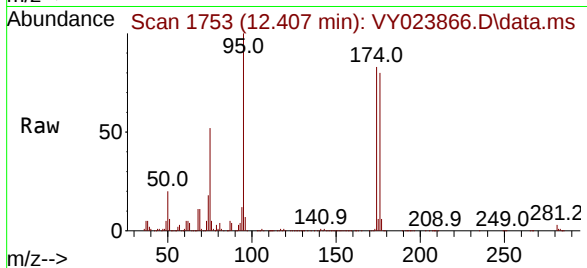




#76
1,2,3-Trichloropropane
Concen: 52.380 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.147 min
Lab File: VY023866.D
Acq: 03 Dec 2025 13:19

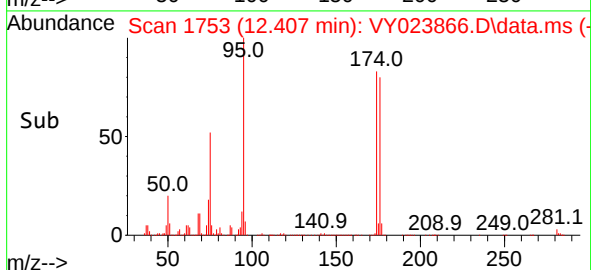
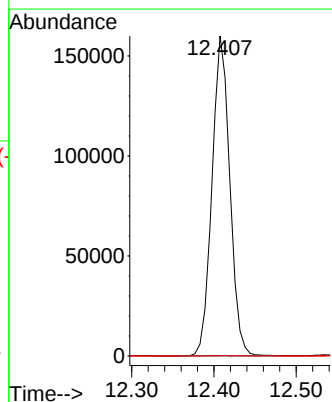
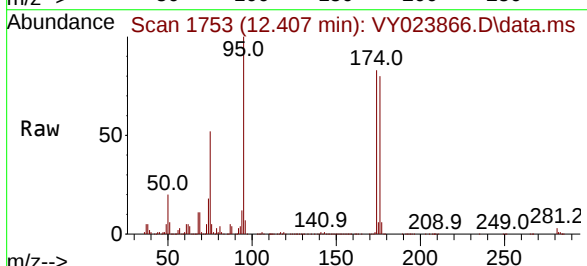
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

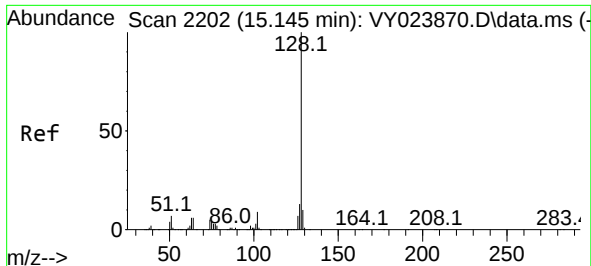
Tgt Ion: 75 Resp: 240753
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 125.455 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.103 min
Lab File: VY023866.D
Acq: 03 Dec 2025 13:19

Tgt Ion: 75 Resp: 240753
Ion Ratio Lower Upper
75 100
53 0.1 71.1 106.7#
89 0.0 36.3 54.5#

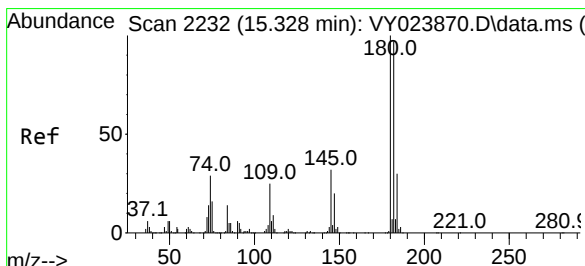
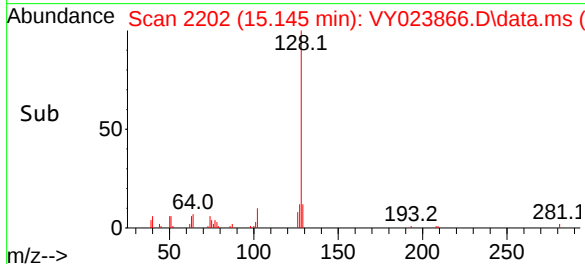
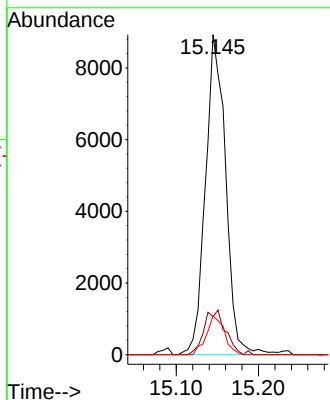
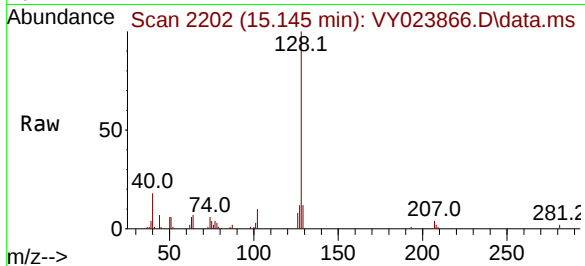




#95
Naphthalene
Concen: 1.123 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. -0.000 min
Lab File: VY023866.D
Acq: 03 Dec 2025 13:19

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:128 Resp: 15252
Ion Ratio Lower Upper
128 100
127 14.9 10.3 15.5
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 1.051 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.006 min
Lab File: VY023866.D
Acq: 03 Dec 2025 13:19

Tgt Ion:180 Resp: 7391
Ion Ratio Lower Upper
180 100
182 92.5 46.9 140.8
145 29.7 15.7 47.1

