

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
 Data File : VY023768.D
 Acq On : 12 Nov 2025 16:55
 Operator : SY/MD
 Sample : Q3614-01
 Misc : 5.60g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-1

Quant Time: Nov 14 03:41:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	768671	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1331047	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1154176	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	463172	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	390445	59.548	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.100%
35) Dibromofluoromethane	7.634	113	425167	51.113	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.220%
50) Toluene-d8	10.109	98	1503439	48.521	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.040%
62) 4-Bromofluorobenzene	12.401	95	453321	45.239	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.480%

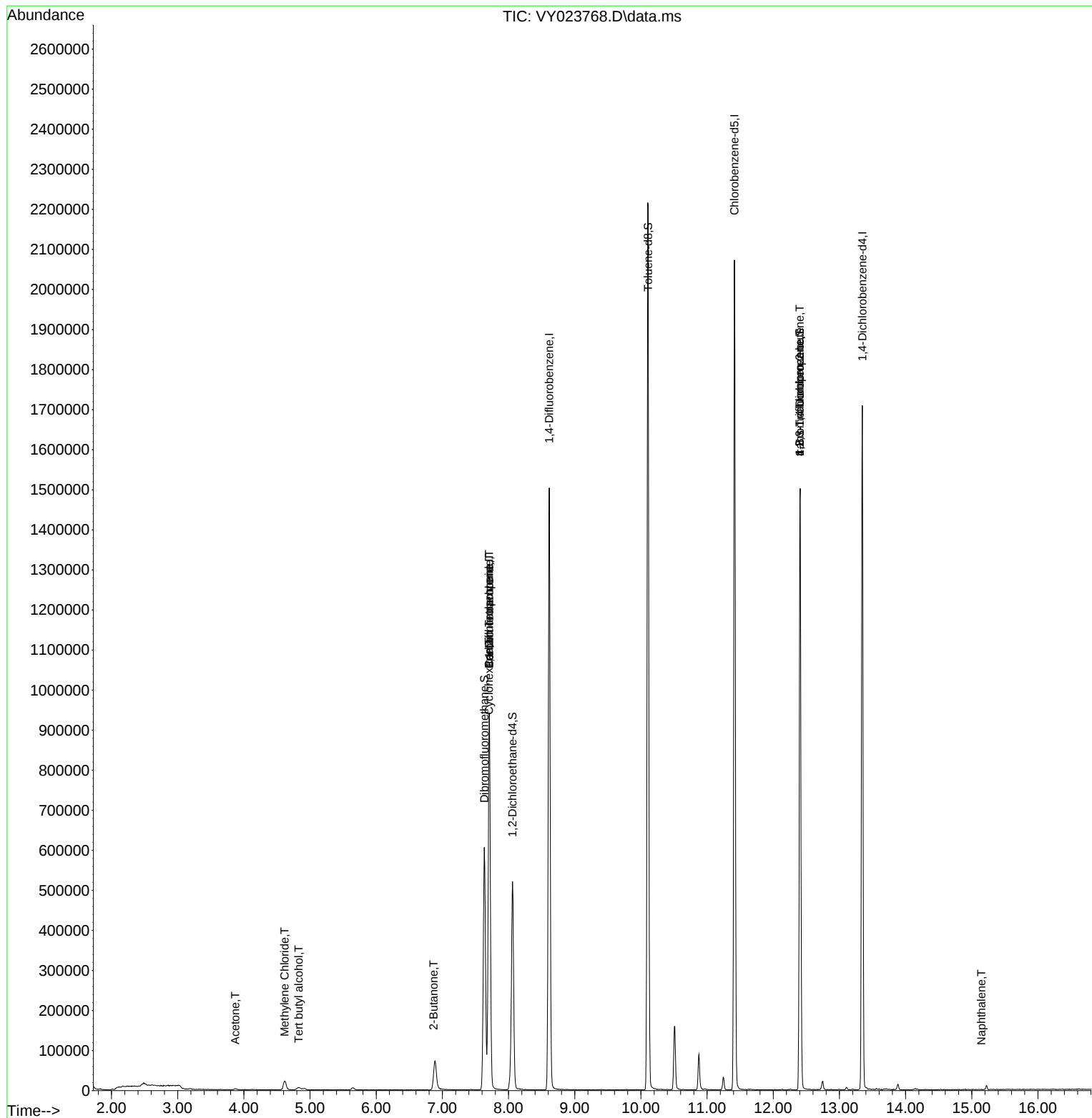
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.829	59	6750	15.965	ug/l #	74
16) Acetone	3.872	43	3978	2.441	ug/l #	86
20) Methylene Chloride	4.616	84	18196	2.313	ug/l	95
25) 2-Butanone	6.866	43	4239	2.250	ug/l #	61
31) Cyclohexane	7.701	56	13274	1.228	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	52585	4.731	ug/l #	48
38) Carbon Tetrachloride	7.707	117	71655	5.471	ug/l #	17
76) 1,2,3-Trichloropropane	12.401	75	220561	58.840	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	220561	132.974	ug/l #	14
95) Naphthalene	15.145	128	291	5.281	ug/l #	69

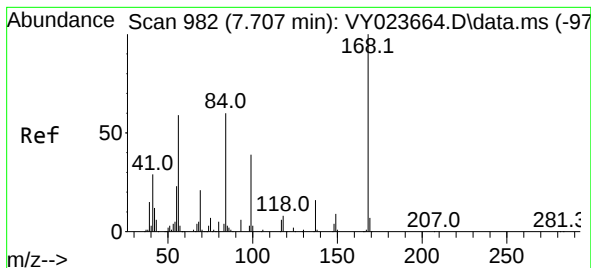
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY023768.D

Acq: 12 Nov 2025 16:55

Instrument :

MSVOA_Y

ClientSampleId :

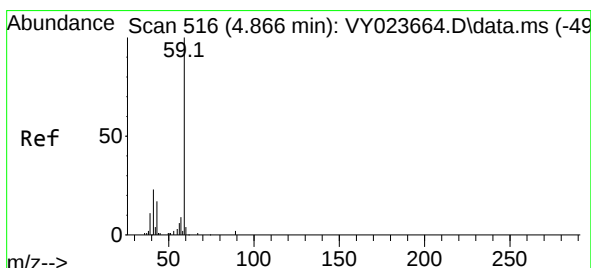
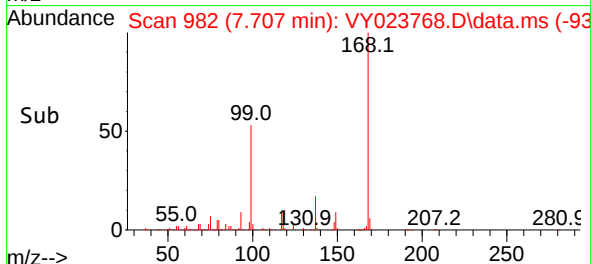
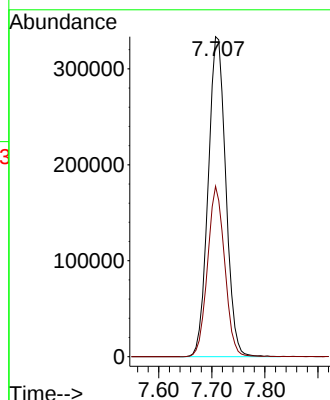
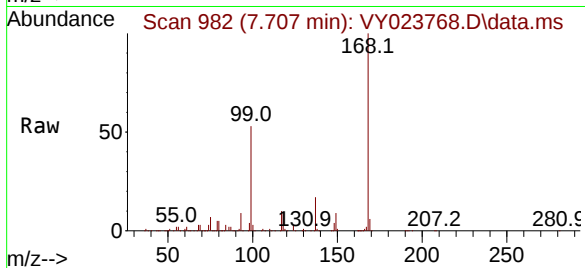
COMP-1

Tgt Ion:168 Resp: 768671

Ion Ratio Lower Upper

168 100

99 53.3 41.0 61.4



#11

Tert butyl alcohol

Concen: 15.965 ug/l

RT: 4.829 min Scan# 510

Delta R.T. -0.037 min

Lab File: VY023768.D

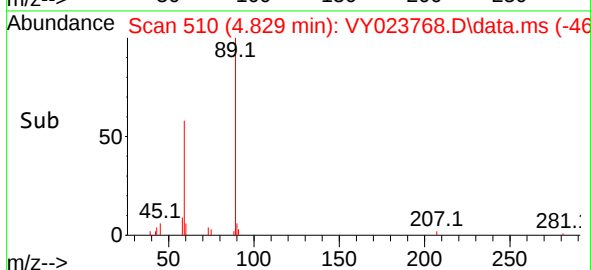
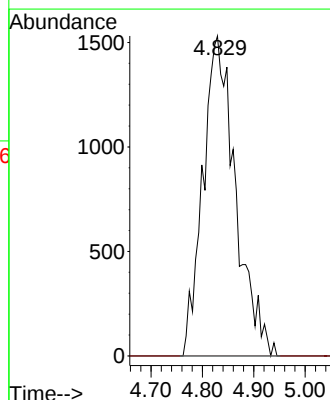
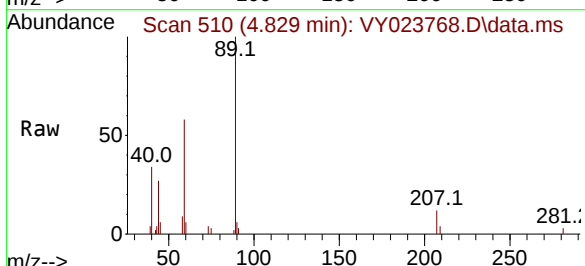
Acq: 12 Nov 2025 16:55

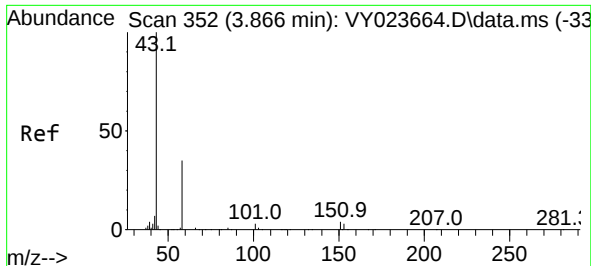
Tgt Ion: 59 Resp: 6750

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#

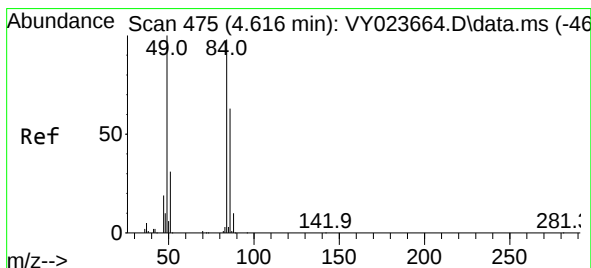
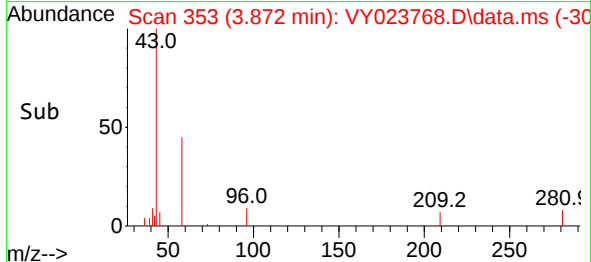
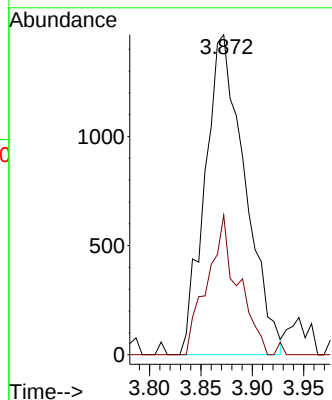
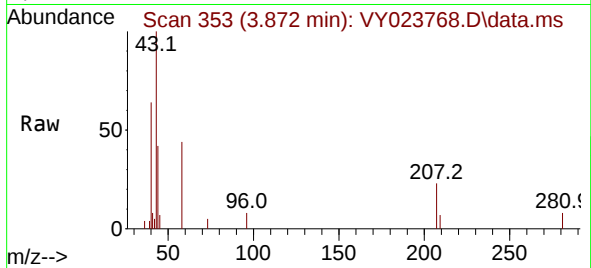




#16
Acetone
Concen: 2.441 ug/l
RT: 3.872 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY023768.D
Acq: 12 Nov 2025 16:55

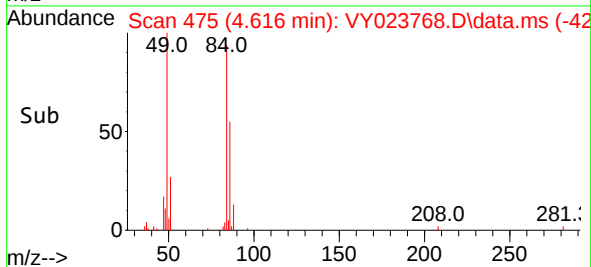
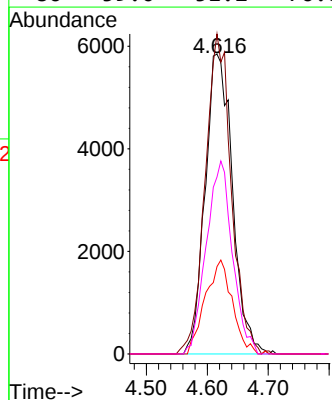
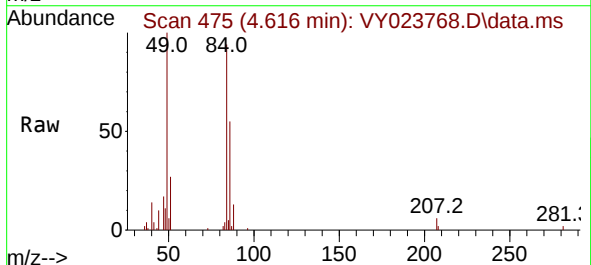
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

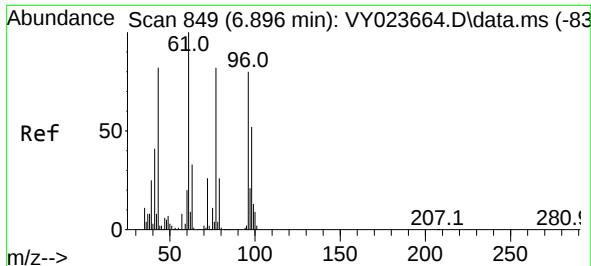
Tgt Ion: 43 Resp: 3978
Ion Ratio Lower Upper
43 100
58 43.6 28.2 42.4#



#20
Methylene Chloride
Concen: 2.313 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY023768.D
Acq: 12 Nov 2025 16:55

Tgt Ion: 84 Resp: 18196
Ion Ratio Lower Upper
84 100
49 106.7 81.5 122.3
51 29.1 25.5 38.3
86 59.0 51.2 76.8

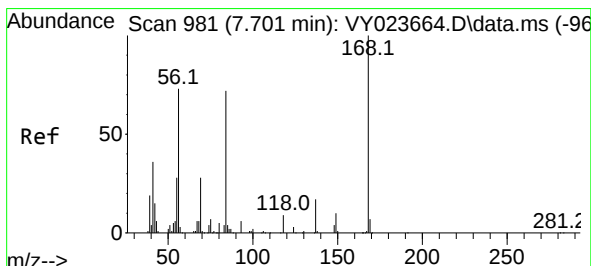
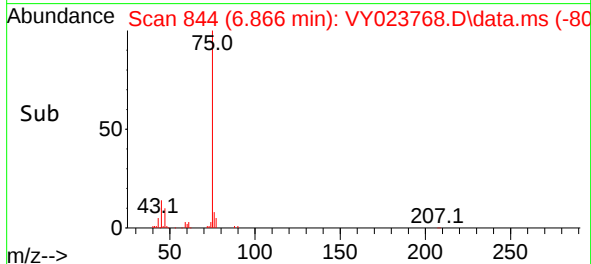
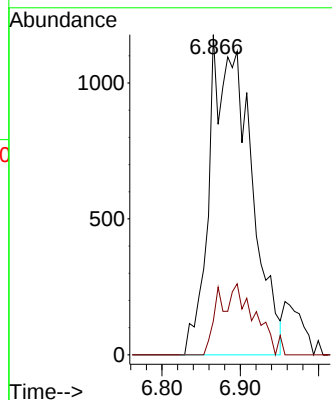
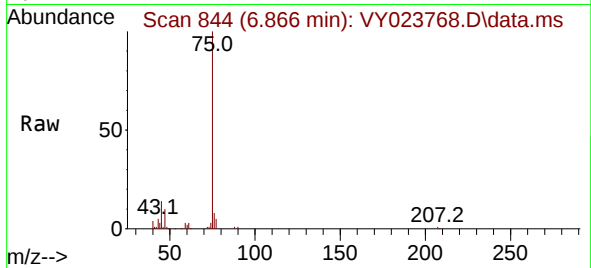




#25
2-Butanone
Concen: 2.250 ug/l
RT: 6.866 min Scan# 849
Delta R.T. -0.031 min
Lab File: VY023768.D
Acq: 12 Nov 2025 16:55

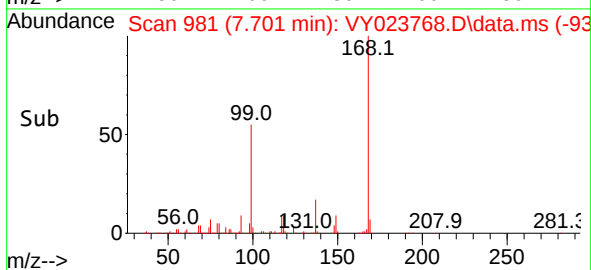
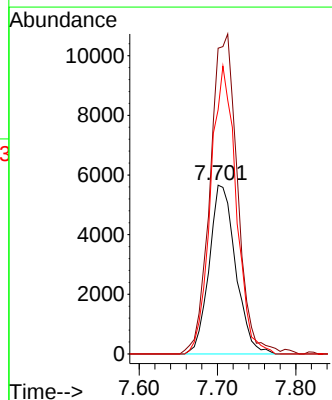
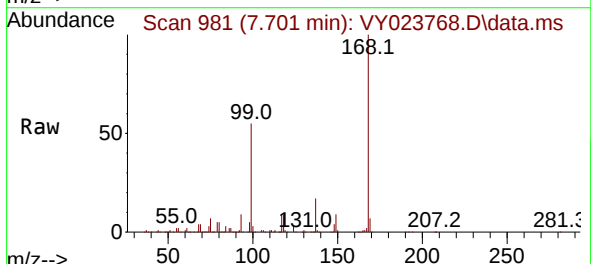
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

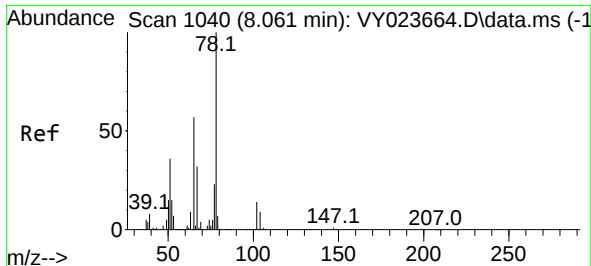
Tgt Ion: 43 Resp: 4239
Ion Ratio Lower Upper
43 100
72 10.5 25.7 38.5#



#31
Cyclohexane
Concen: 1.228 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY023768.D
Acq: 12 Nov 2025 16:55

Tgt Ion: 56 Resp: 13274
Ion Ratio Lower Upper
56 100
69 181.2 30.5 45.7#
84 144.7 79.0 118.4#





#33

1,2-Dichloroethane-d4

Concen: 59.548 ug/l

RT: 8.060 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VY023768.D

Acq: 12 Nov 2025 16:55

Instrument :

MSVOA_Y

ClientSampleId :

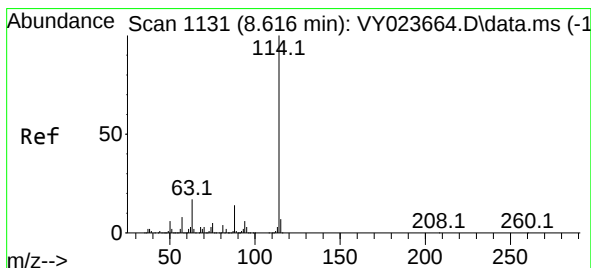
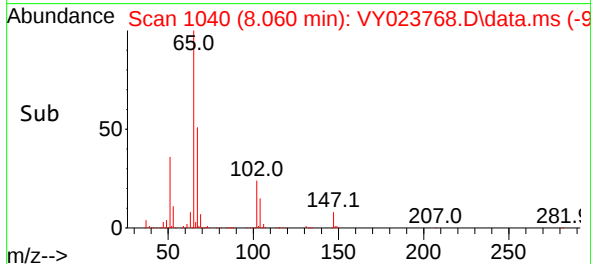
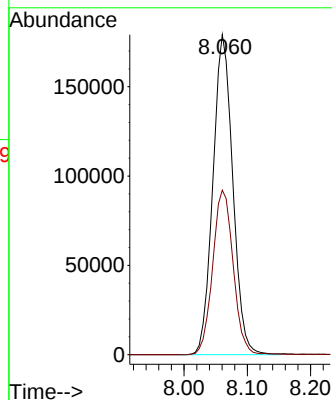
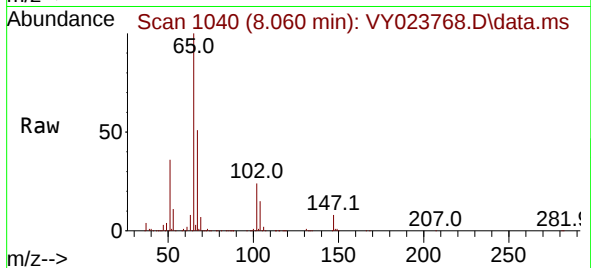
COMP-1

Tgt Ion: 65 Resp: 390445

Ion Ratio Lower Upper

65 100

67 53.1 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023768.D

Acq: 12 Nov 2025 16:55

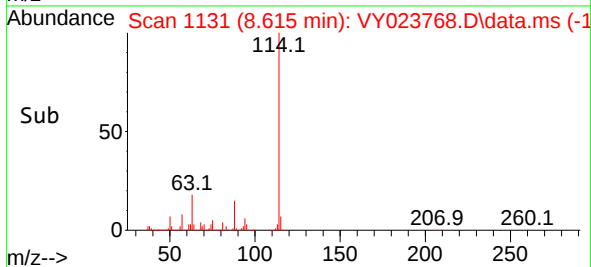
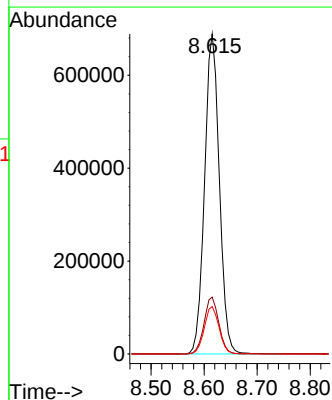
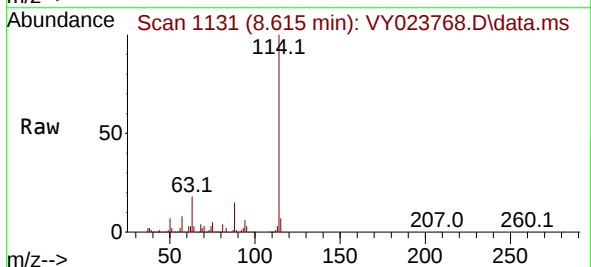
Tgt Ion: 114 Resp: 1331047

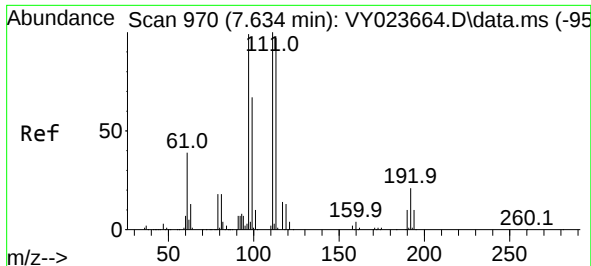
Ion Ratio Lower Upper

114 100

63 17.8 0.0 33.8

88 14.8 0.0 29.0

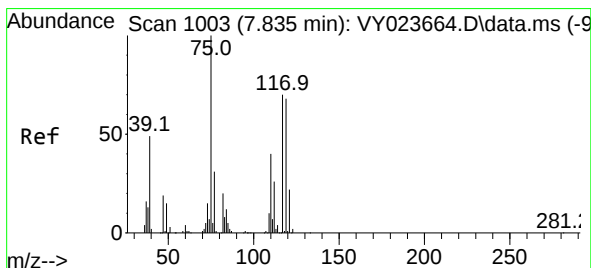
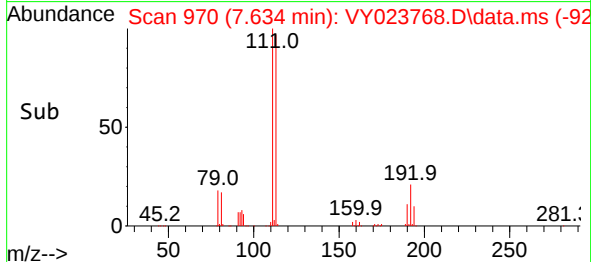
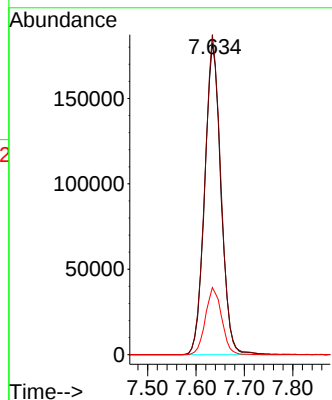
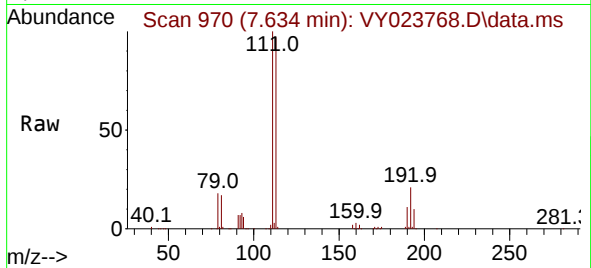




#35
Dibromofluoromethane
Concen: 51.113 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023768.D
Acq: 12 Nov 2025 16:55

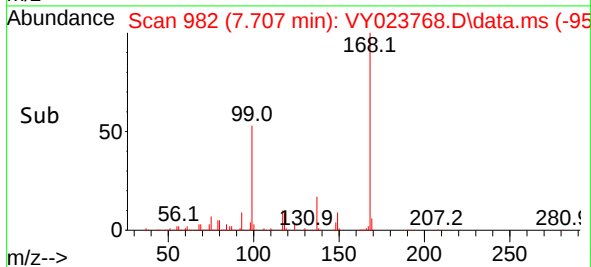
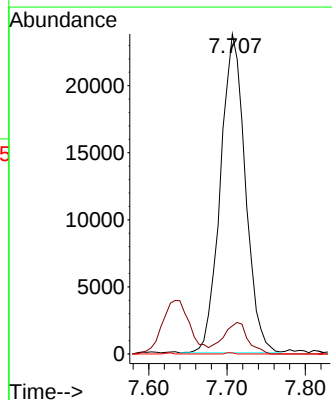
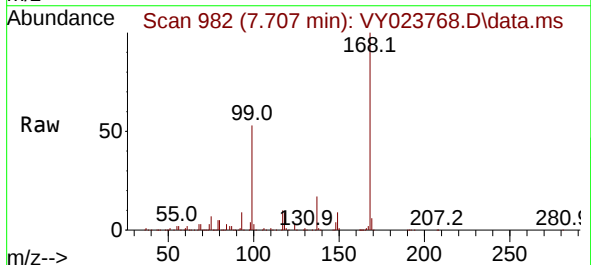
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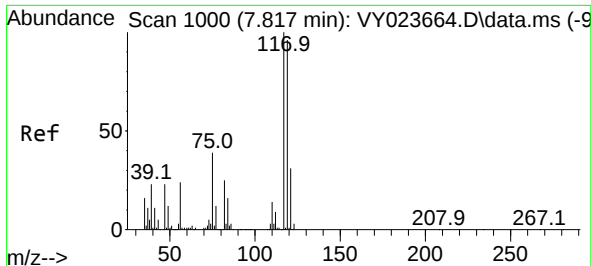
Tgt Ion:113 Resp: 425167
Ion Ratio Lower Upper
113 100
111 102.1 82.2 123.4
192 21.5 17.3 25.9



#36
1,1-Dichloropropene
Concen: 4.731 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY023768.D
Acq: 12 Nov 2025 16:55

Tgt Ion: 75 Resp: 52585
Ion Ratio Lower Upper
75 100
110 9.8 19.7 59.0#
77 0.1 25.2 37.8#

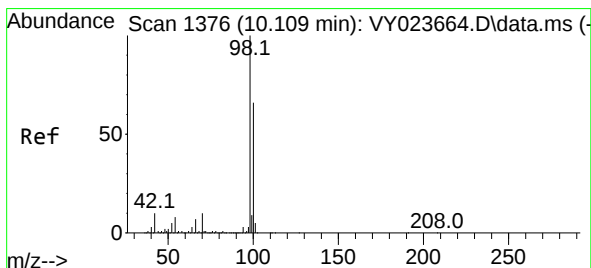
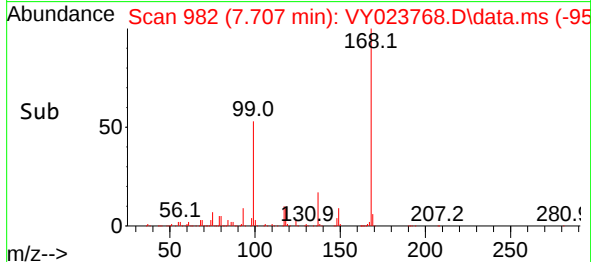
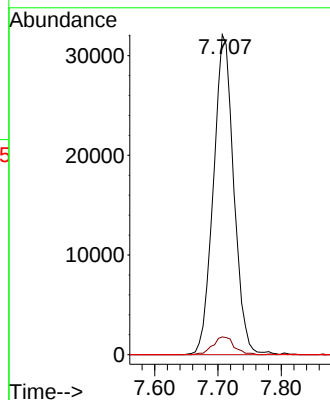
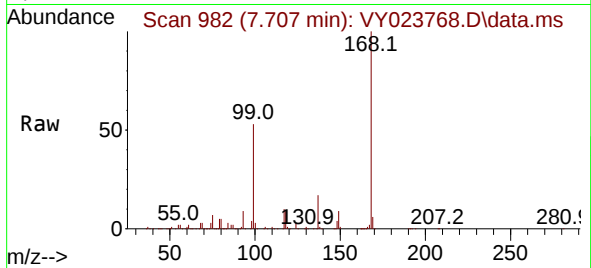




#38
Carbon Tetrachloride
Concen: 5.471 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023768.D
Acq: 12 Nov 2025 16:55

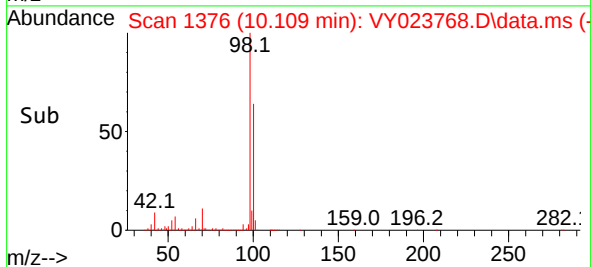
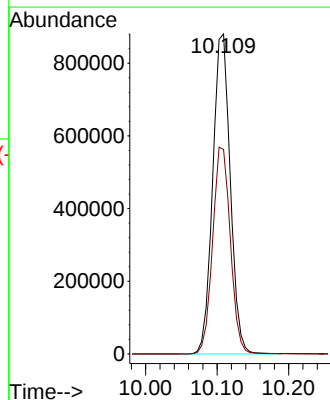
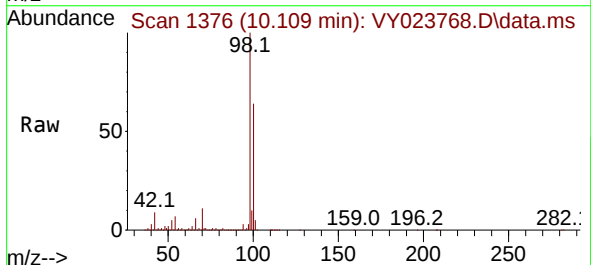
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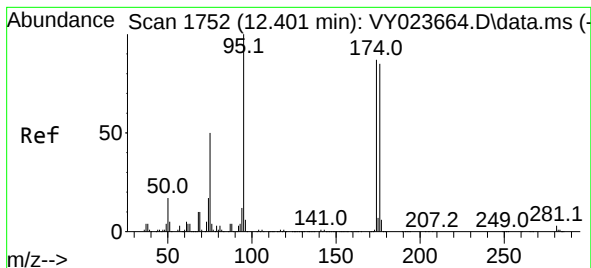
Tgt Ion:117 Resp: 71655
Ion Ratio Lower Upper
117 100
119 5.6 76.3 114.5#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 48.521 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY023768.D
Acq: 12 Nov 2025 16:55

Tgt Ion: 98 Resp: 1503439
Ion Ratio Lower Upper
98 100
100 65.3 52.7 79.1

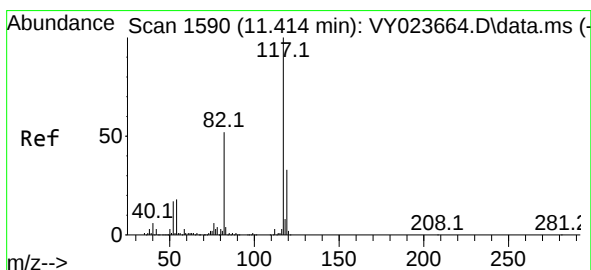
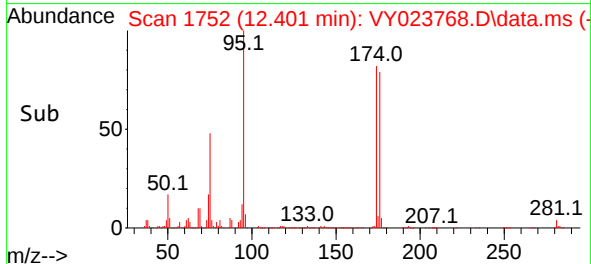
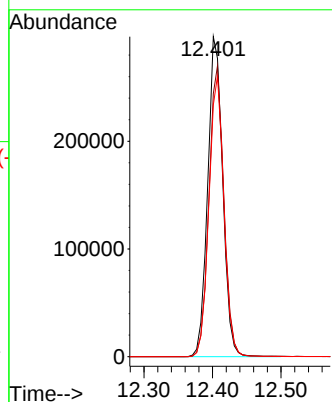
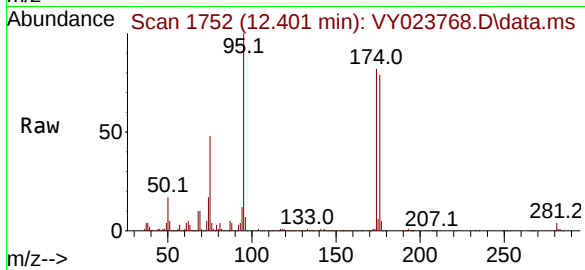




#62
4-Bromofluorobenzene
Concen: 45.239 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023768.D
Acq: 12 Nov 2025 16:55

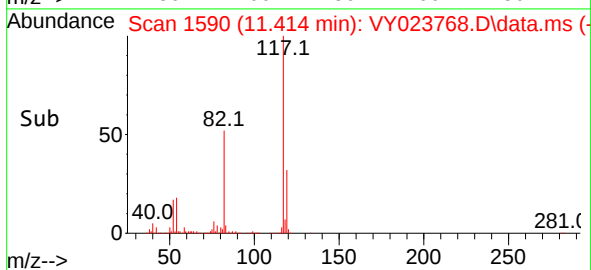
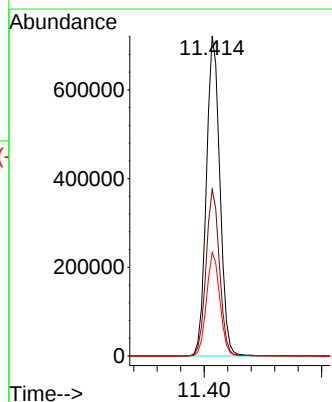
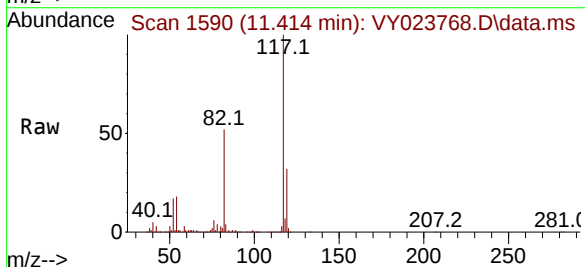
Instrument :
MSVOA_Y
ClientSampleId :
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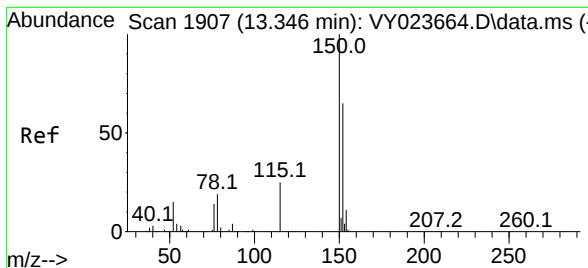
Tgt Ion: 95 Resp: 453321
Ion Ratio Lower Upper
95 100
174 90.7 0.0 184.8
176 87.6 0.0 181.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY023768.D
Acq: 12 Nov 2025 16:55

Tgt Ion: 117 Resp: 1154176
Ion Ratio Lower Upper
117 100
82 52.1 41.2 61.8
119 32.3 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023768.D

Acq: 12 Nov 2025 16:55

Instrument :

MSVOA_Y

ClientSampleId :

COMP-1

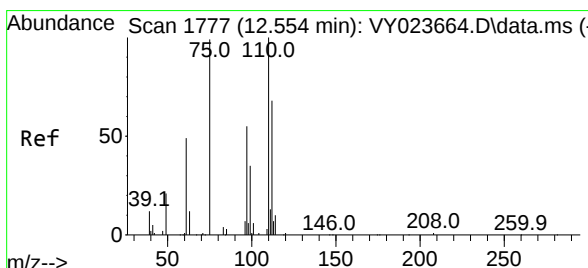
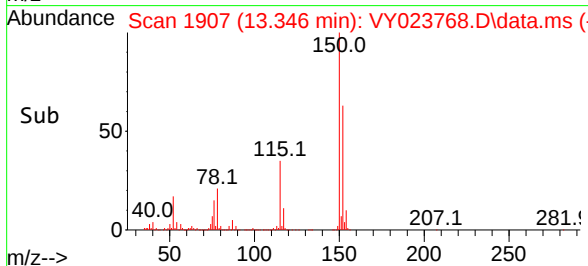
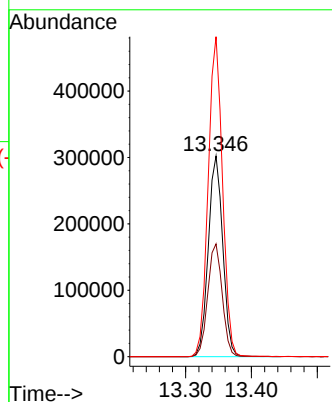
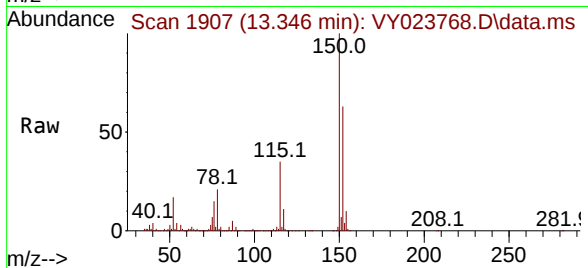
Tgt Ion:152 Resp: 463172

Ion Ratio Lower Upper

152 100

115 56.2 27.5 82.5

150 157.7 0.0 349.0



#76

1,2,3-Trichloropropane

Concen: 58.840 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY023768.D

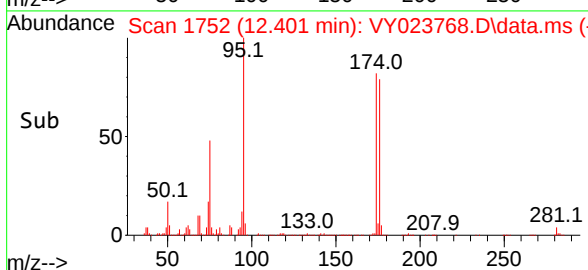
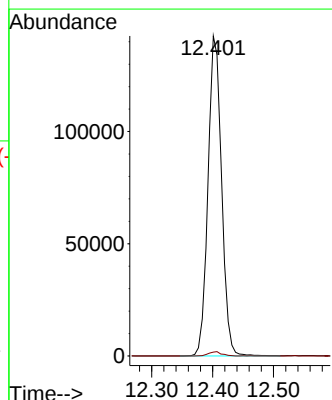
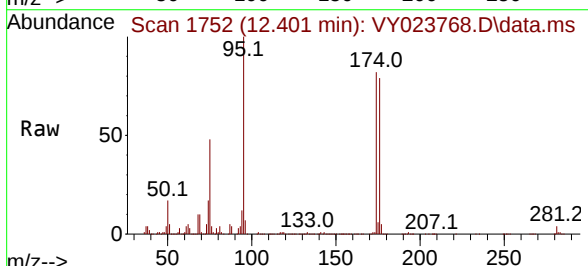
Acq: 12 Nov 2025 16:55

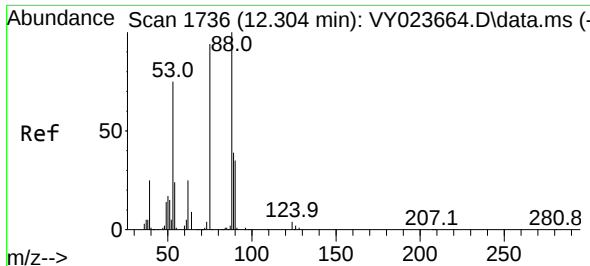
Tgt Ion: 75 Resp: 220561

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

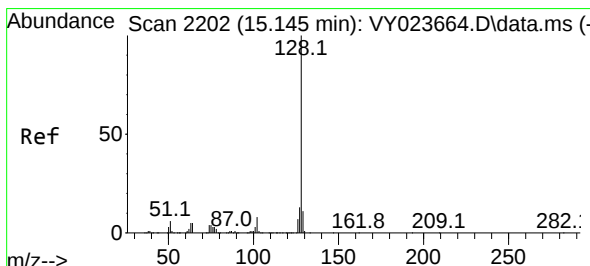
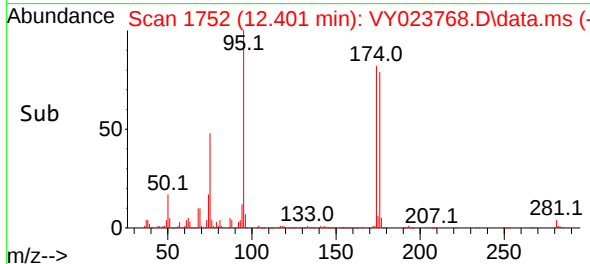
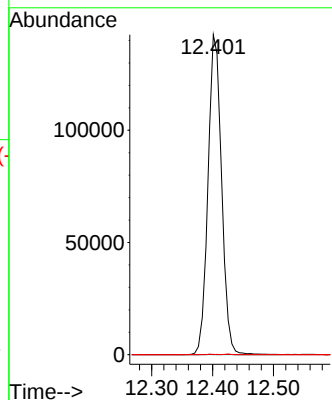
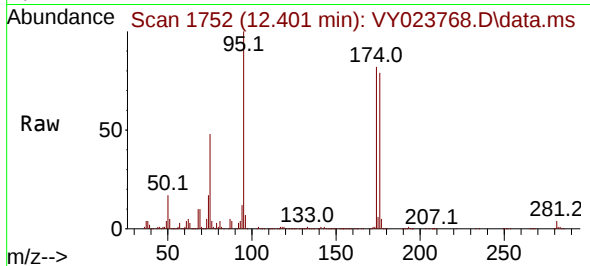




#81
trans-1,4-Dichloro-2-butene
Concen: 132.974 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY023768.D
Acq: 12 Nov 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

Tgt Ion: 75 Resp: 220561
Ion Ratio Lower Upper
75 100
53 0.1 69.6 104.4#
89 0.1 38.2 57.4#



#95
Naphthalene
Concen: 5.281 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. -0.000 min
Lab File: VY023768.D
Acq: 12 Nov 2025 16:55

Tgt Ion:128 Resp: 291
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.8 13.2#

