

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111025\
 Data File : VY023722.D
 Acq On : 10 Nov 2025 18:07
 Operator : SY/MD
 Sample : Q3597-04
 Misc : 6.03g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-2

Quant Time: Nov 11 02:10:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

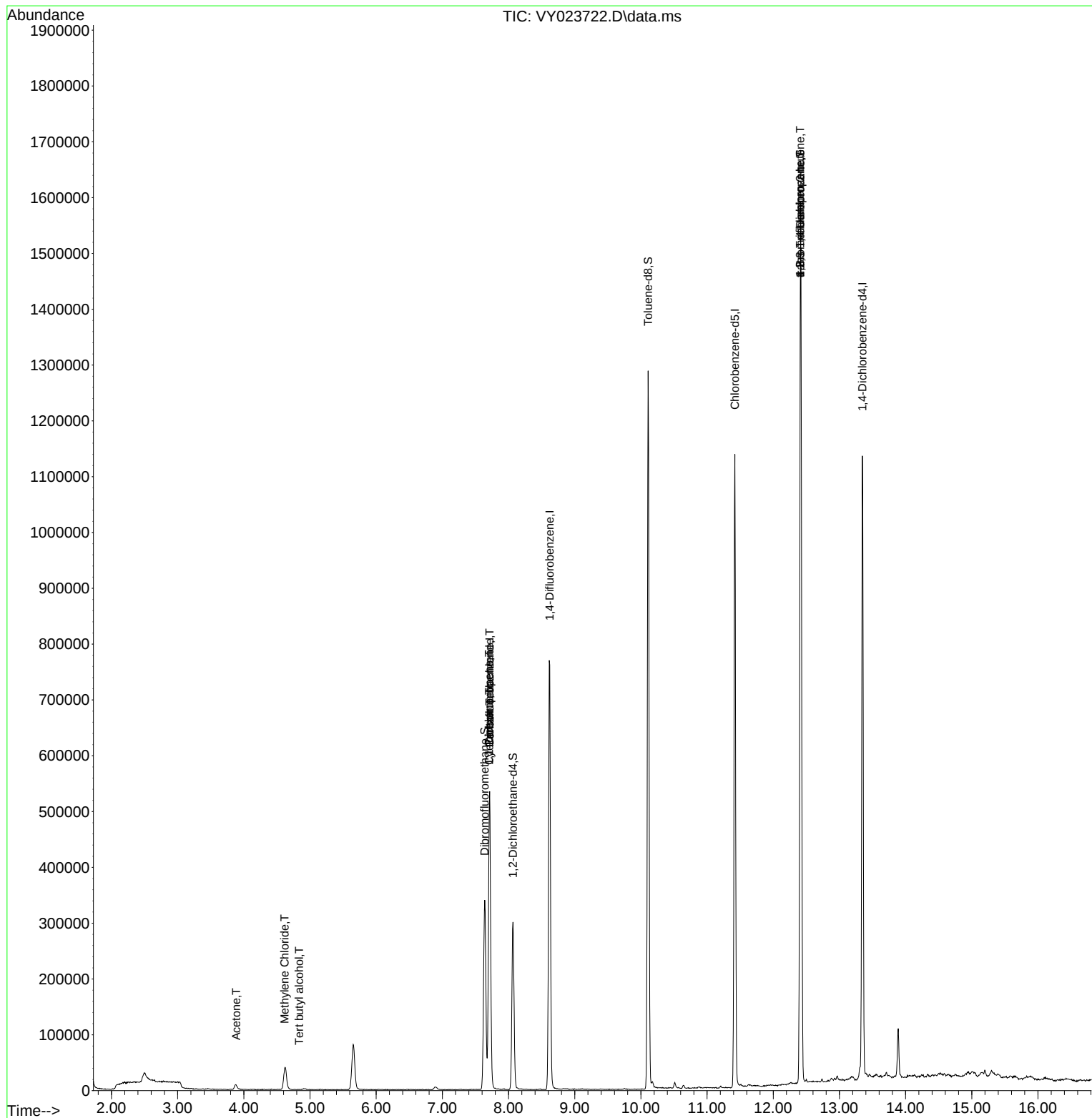
Internal Standards						
1) Pentafluorobenzene	7.713	168	444772	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	719607	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	643542	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	304475	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	236633	63.624	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 127.240%	
35) Dibromofluoromethane	7.640	113	246503	55.749	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.500%	
50) Toluene-d8	10.109	98	874044	53.080	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 106.160%	
62) 4-Bromofluorobenzene	12.408	95	289588	53.268	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 106.540%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.836	59	395	1.428	ug/l #	72
16) Acetone	3.885	43	15703	17.735	ug/l	93
20) Methylene Chloride	4.616	84	32561	6.801	ug/l	98
31) Cyclohexane	7.707	56	7527	1.217	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	30177	5.155	ug/l #	48
38) Carbon Tetrachloride	7.713	117	40615	5.722	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	143825	53.541	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	143825	131.292	ug/l #	15

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

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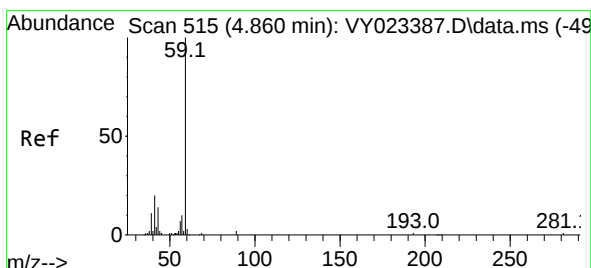
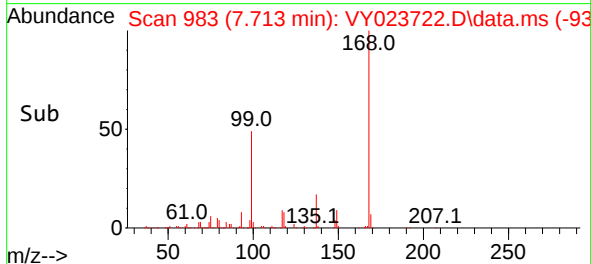
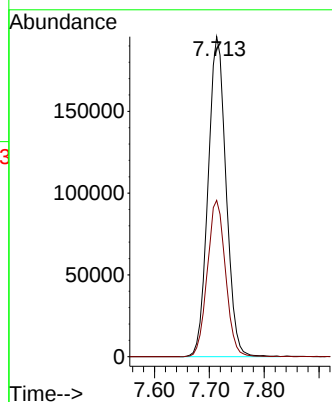
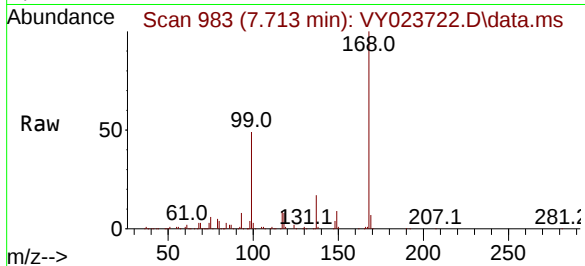




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023722.D
Acq: 10 Nov 2025 18:07

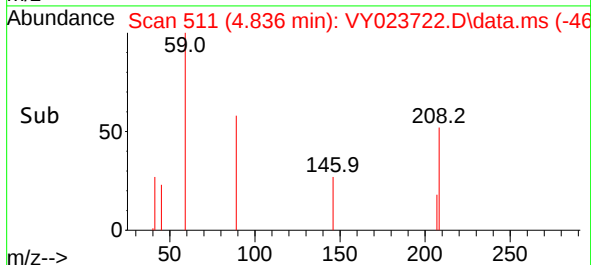
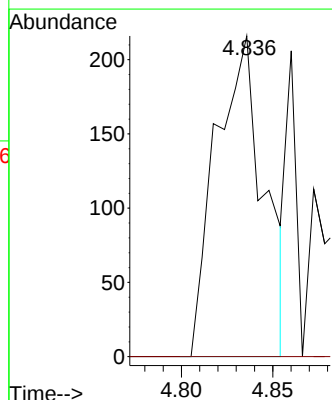
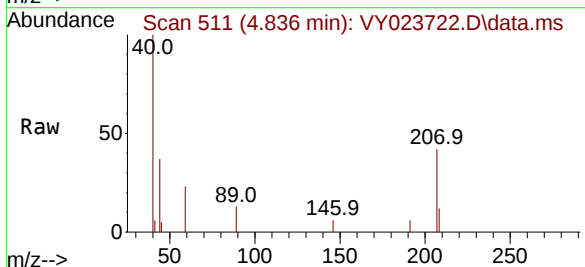
Instrument :
MSVOA_Y
ClientSampleId :
TP-2

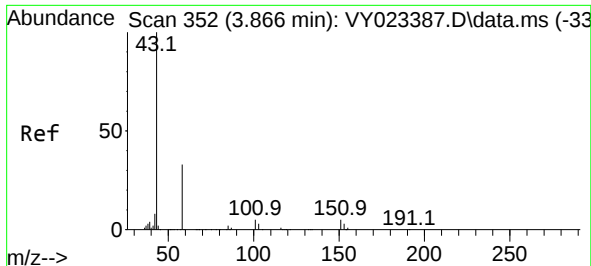
Tgt Ion:168 Resp: 444772
Ion Ratio Lower Upper
168 100
99 48.9 39.7 59.5



#11
Tert butyl alcohol
Concen: 1.428 ug/l
RT: 4.836 min Scan# 511
Delta R.T. -0.024 min
Lab File: VY023722.D
Acq: 10 Nov 2025 18:07

Tgt Ion: 59 Resp: 395
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 17.735 ug/l

RT: 3.885 min Scan# 3

Delta R.T. 0.018 min

Lab File: VY023722.D

Acq: 10 Nov 2025 18:07

Instrument :

MSVOA_Y

ClientSampleId :

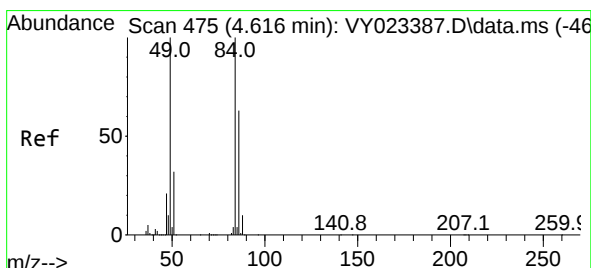
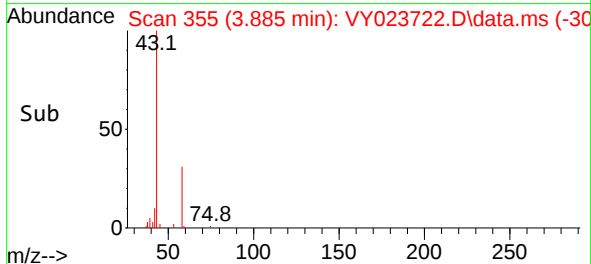
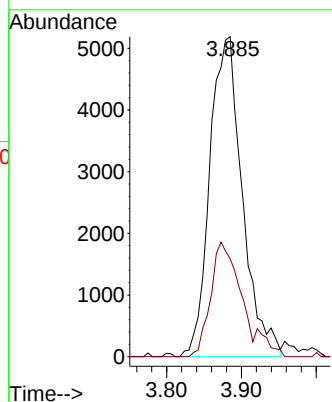
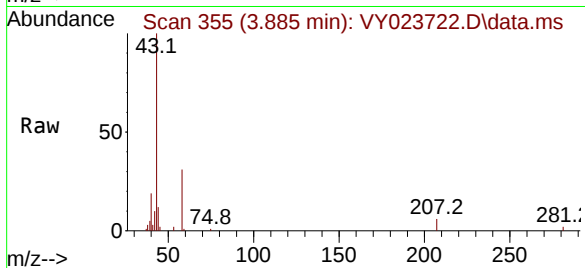
TP-2

Tgt Ion: 43 Resp: 15703

Ion Ratio Lower Upper

43 100

58 30.6 27.7 41.5



#20

Methylene Chloride

Concen: 6.801 ug/l

RT: 4.616 min Scan# 475

Delta R.T. -0.000 min

Lab File: VY023722.D

Acq: 10 Nov 2025 18:07

Tgt Ion: 84 Resp: 32561

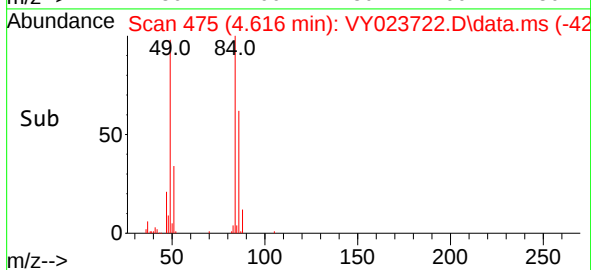
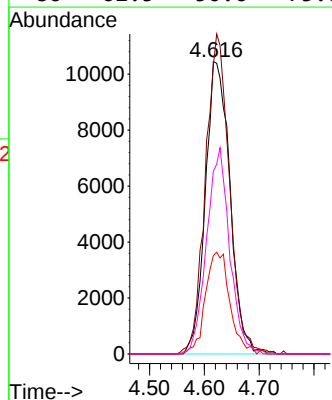
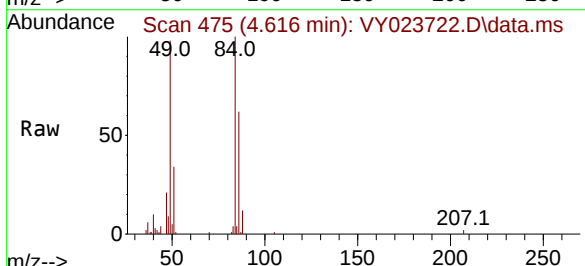
Ion Ratio Lower Upper

84 100

49 98.5 80.2 120.4

51 33.6 25.9 38.9

86 62.5 50.6 75.8

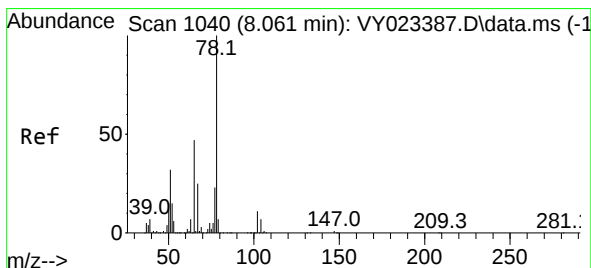
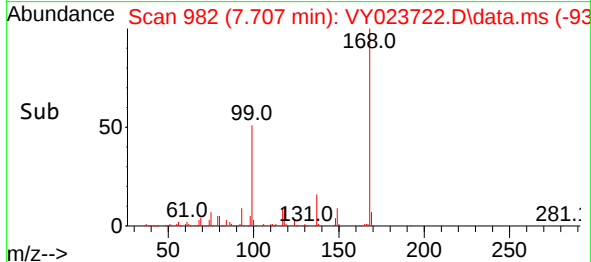
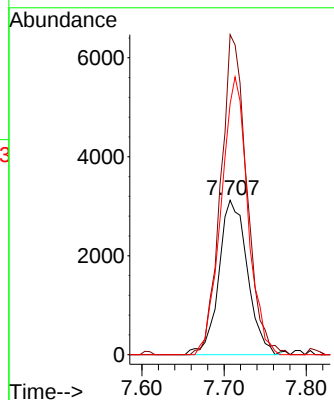
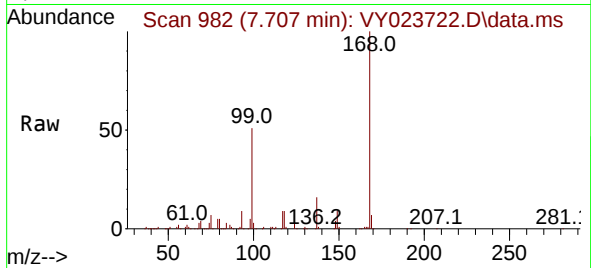




#31
Cyclohexane
Concen: 1.217 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023722.D
Acq: 10 Nov 2025 18:07

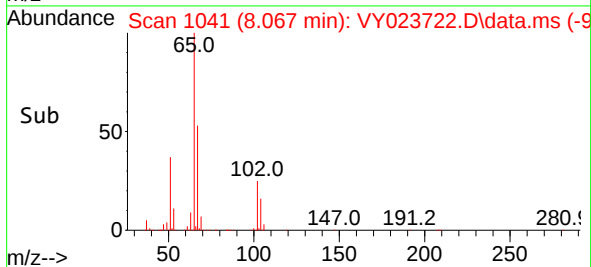
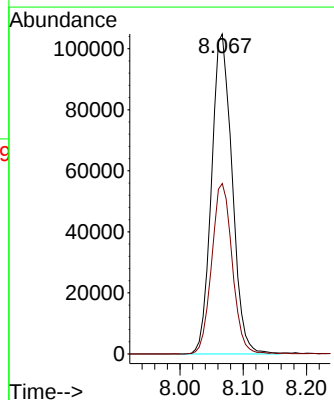
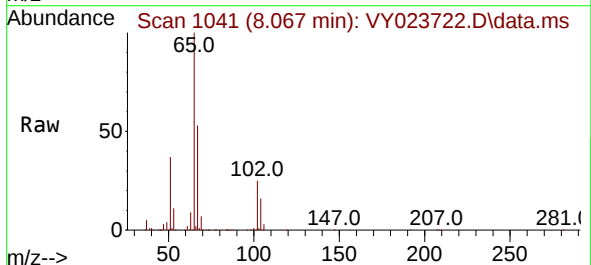
Instrument :
MSVOA_Y
ClientSampleId :
TP-2

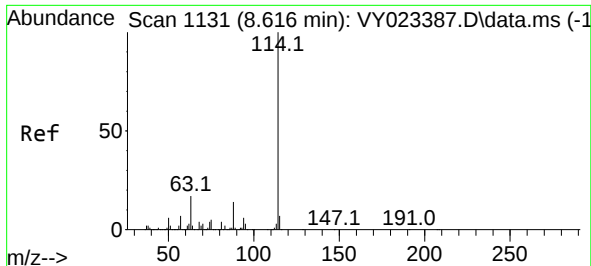
Tgt Ion: 56 Resp: 7527
Ion Ratio Lower Upper
56 100
69 207.2 30.0 45.0#
84 162.5 81.2 121.8#



#33
1,2-Dichloroethane-d4
Concen: 63.624 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023722.D
Acq: 10 Nov 2025 18:07

Tgt Ion: 65 Resp: 236633
Ion Ratio Lower Upper
65 100
67 53.2 0.0 105.8

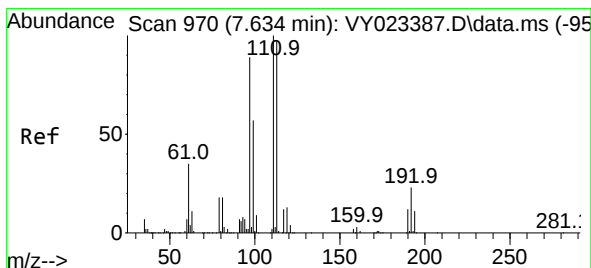
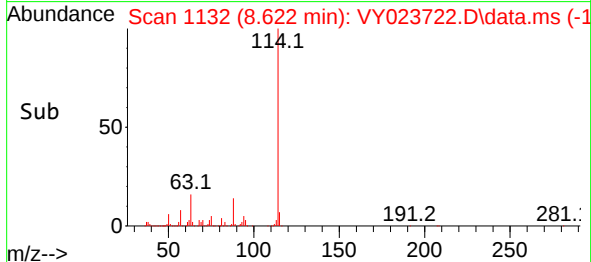
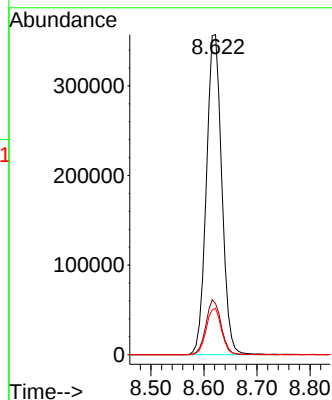
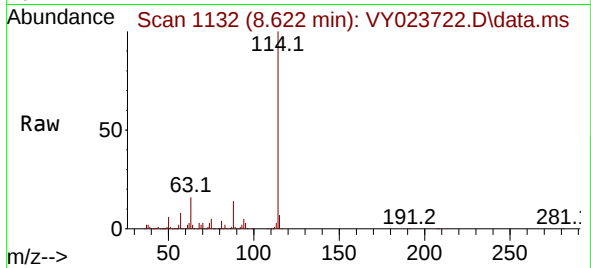




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY023722.D
Acq: 10 Nov 2025 18:07

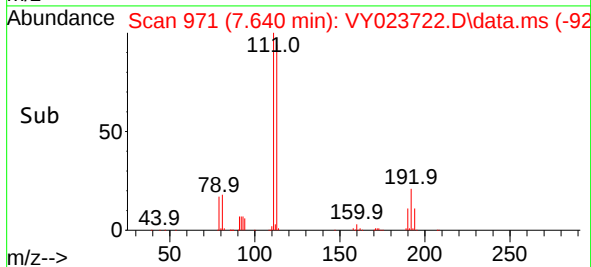
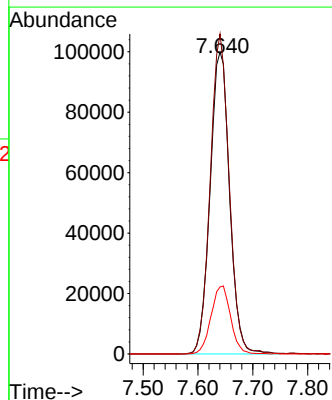
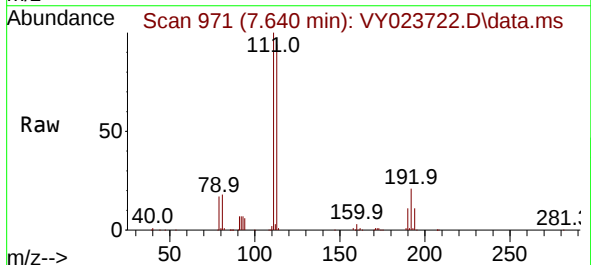
Instrument :
MSVOA_Y
ClientSampleId :
TP-2

Tgt Ion:114 Resp: 719607
Ion Ratio Lower Upper
114 100
63 16.0 0.0 34.2
88 14.5 0.0 28.4



#35
Dibromofluoromethane
Concen: 55.749 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023722.D
Acq: 10 Nov 2025 18:07

Tgt Ion:113 Resp: 246503
Ion Ratio Lower Upper
113 100
111 103.0 81.8 122.6
192 22.6 18.0 27.0





#36

1,1-Dichloropropene

Concen: 5.155 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY023722.D

Acq: 10 Nov 2025 18:07

Instrument :

MSVOA_Y

ClientSampleId :

TP-2

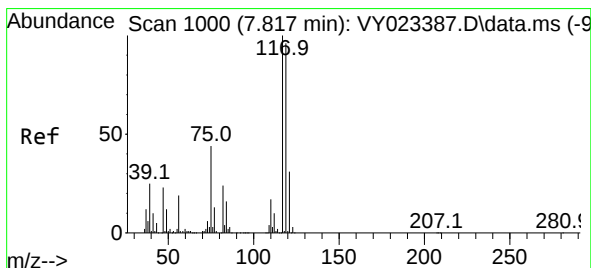
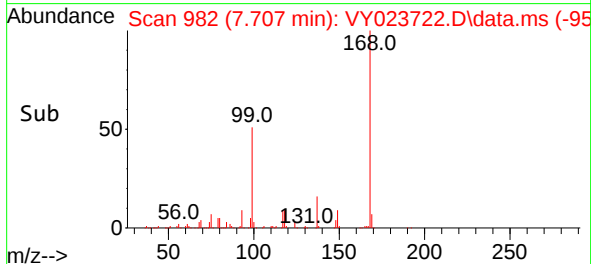
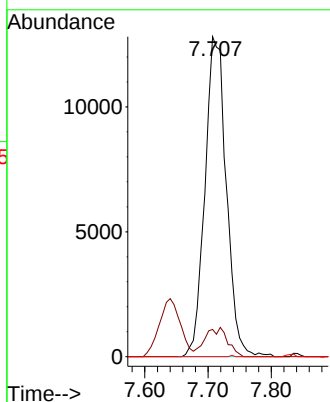
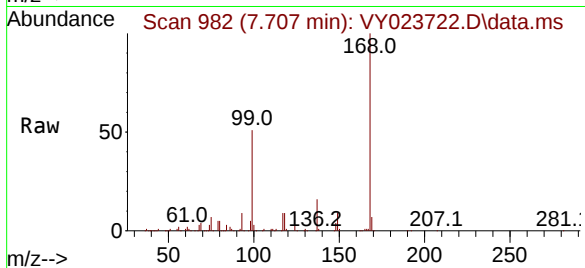
Tgt Ion: 75 Resp: 30177

Ion Ratio Lower Upper

75 100

110 9.6 19.9 59.7#

77 0.0 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.722 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023722.D

Acq: 10 Nov 2025 18:07

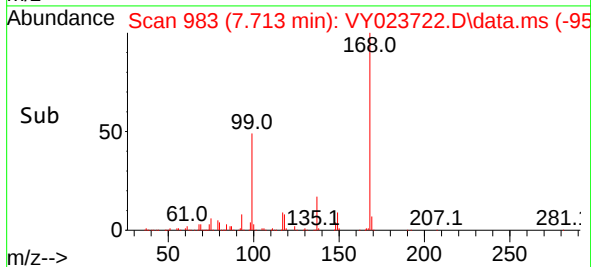
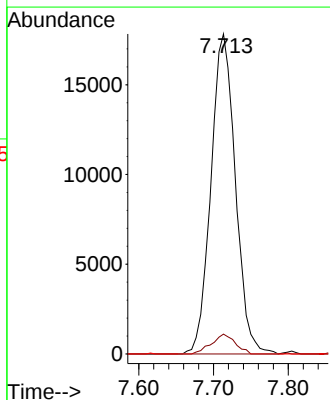
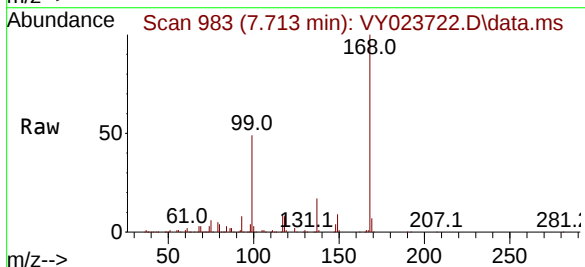
Tgt Ion: 117 Resp: 40615

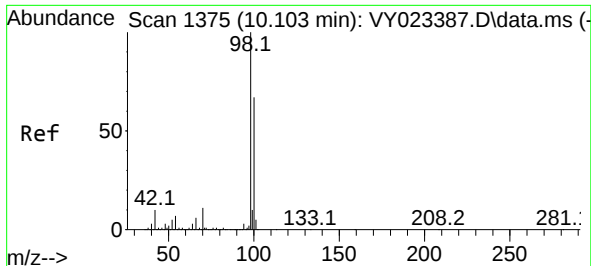
Ion Ratio Lower Upper

117 100

119 6.2 76.8 115.2#

121 0.0 24.5 36.7#

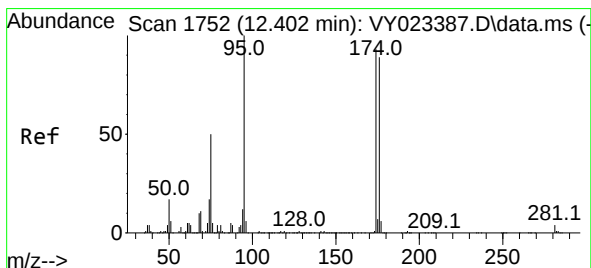
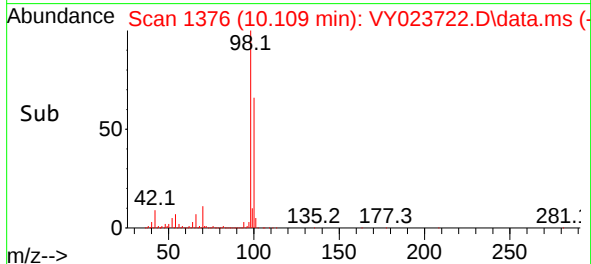
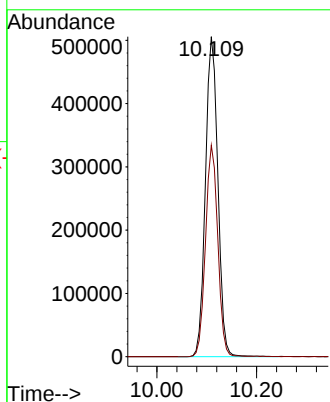
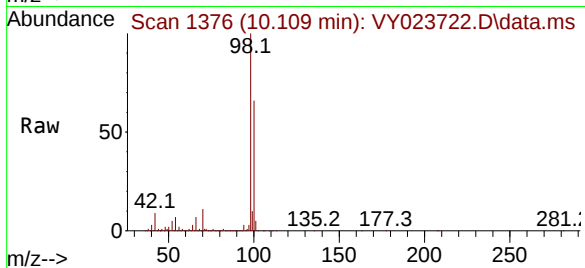




#50
Toluene-d8
Concen: 53.080 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023722.D
Acq: 10 Nov 2025 18:07

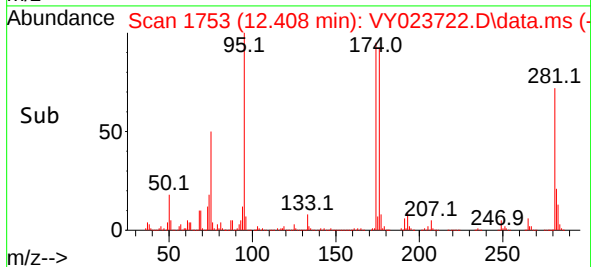
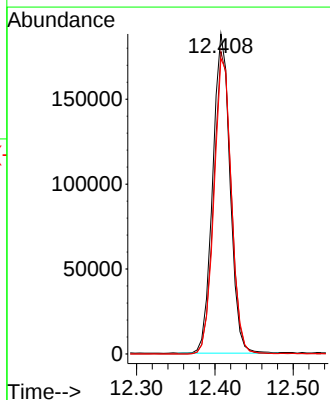
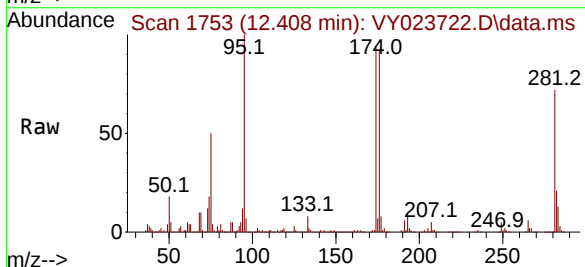
Instrument :
MSVOA_Y
ClientSampleId :
TP-2

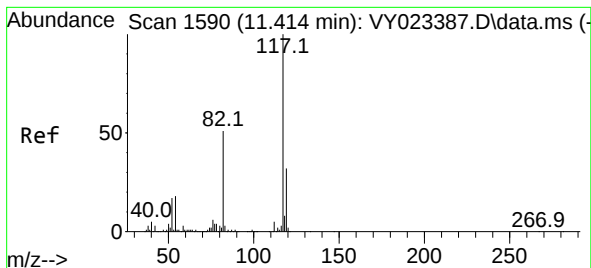
Tgt Ion: 98 Resp: 874044
Ion Ratio Lower Upper
98 100
100 65.3 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 53.268 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023722.D
Acq: 10 Nov 2025 18:07

Tgt Ion: 95 Resp: 289588
Ion Ratio Lower Upper
95 100
174 94.8 0.0 192.8
176 93.1 0.0 187.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.006 min

Lab File: VY023722.D

Acq: 10 Nov 2025 18:07

Instrument :

MSVOA_Y

ClientSampleId :

TP-2

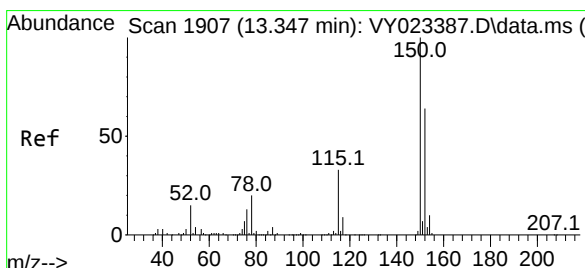
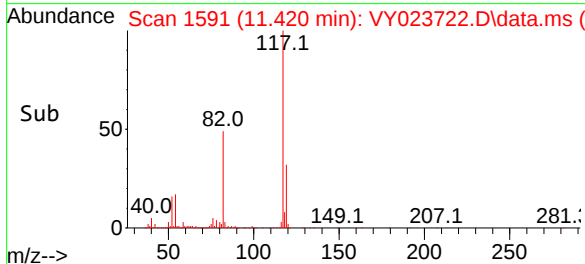
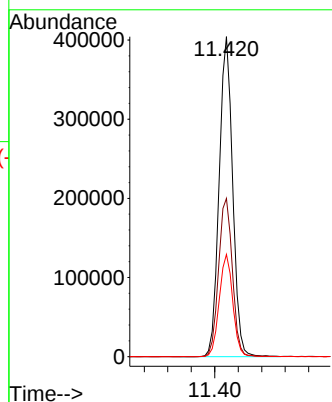
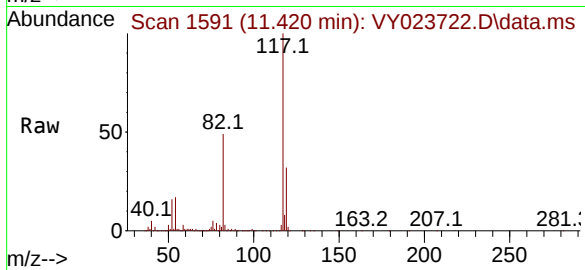
Tgt Ion:117 Resp: 643542

Ion Ratio Lower Upper

117 100

82 49.4 41.0 61.4

119 32.0 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023722.D

Acq: 10 Nov 2025 18:07

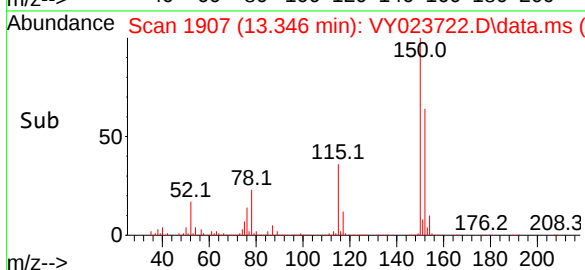
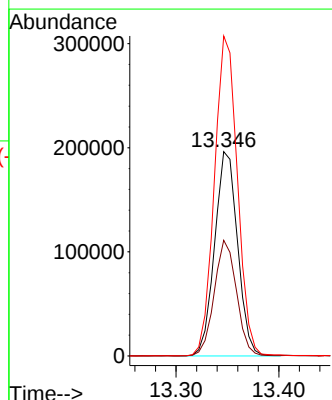
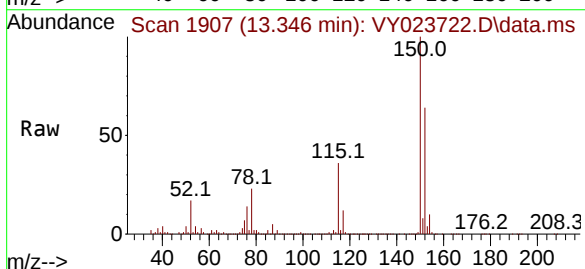
Tgt Ion:152 Resp: 304475

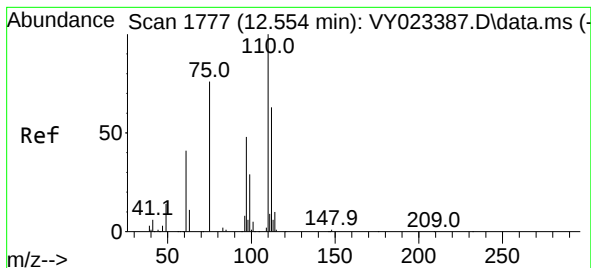
Ion Ratio Lower Upper

152 100

115 54.6 27.1 81.2

150 157.1 0.0 347.4





#76

1,2,3-Trichloropropane

Concen: 53.541 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023722.D

Acq: 10 Nov 2025 18:07

Instrument :

MSVOA_Y

ClientSampleId :

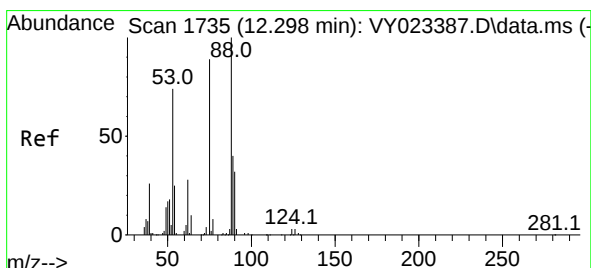
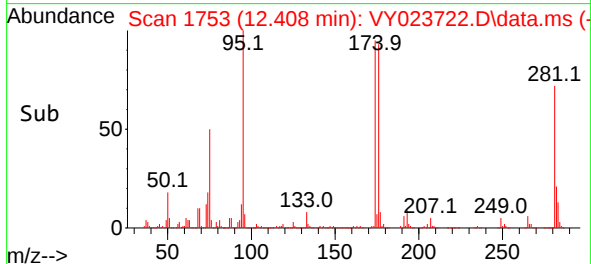
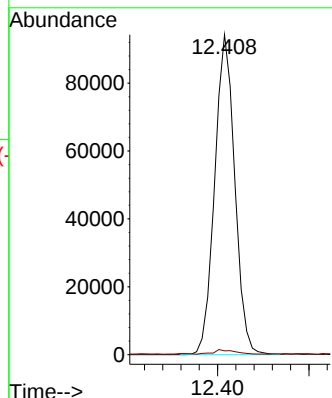
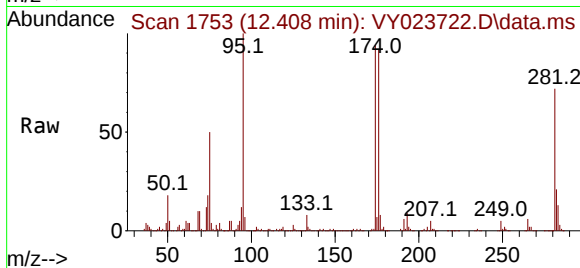
TP-2

Tgt Ion: 75 Resp: 143825

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 131.292 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.110 min

Lab File: VY023722.D

Acq: 10 Nov 2025 18:07

Tgt Ion: 75 Resp: 143825

Ion Ratio Lower Upper

75 100

53 0.3 68.6 102.8#

89 1.6 39.0 58.4#

