

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
 Data File : VY023367.D
 Acq On : 25 Sep 2025 12:35
 Operator : SY/MD
 Sample : Q3187-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 25 16:28:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 10 01:44:33 2025
 Response via : Initial Calibration

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

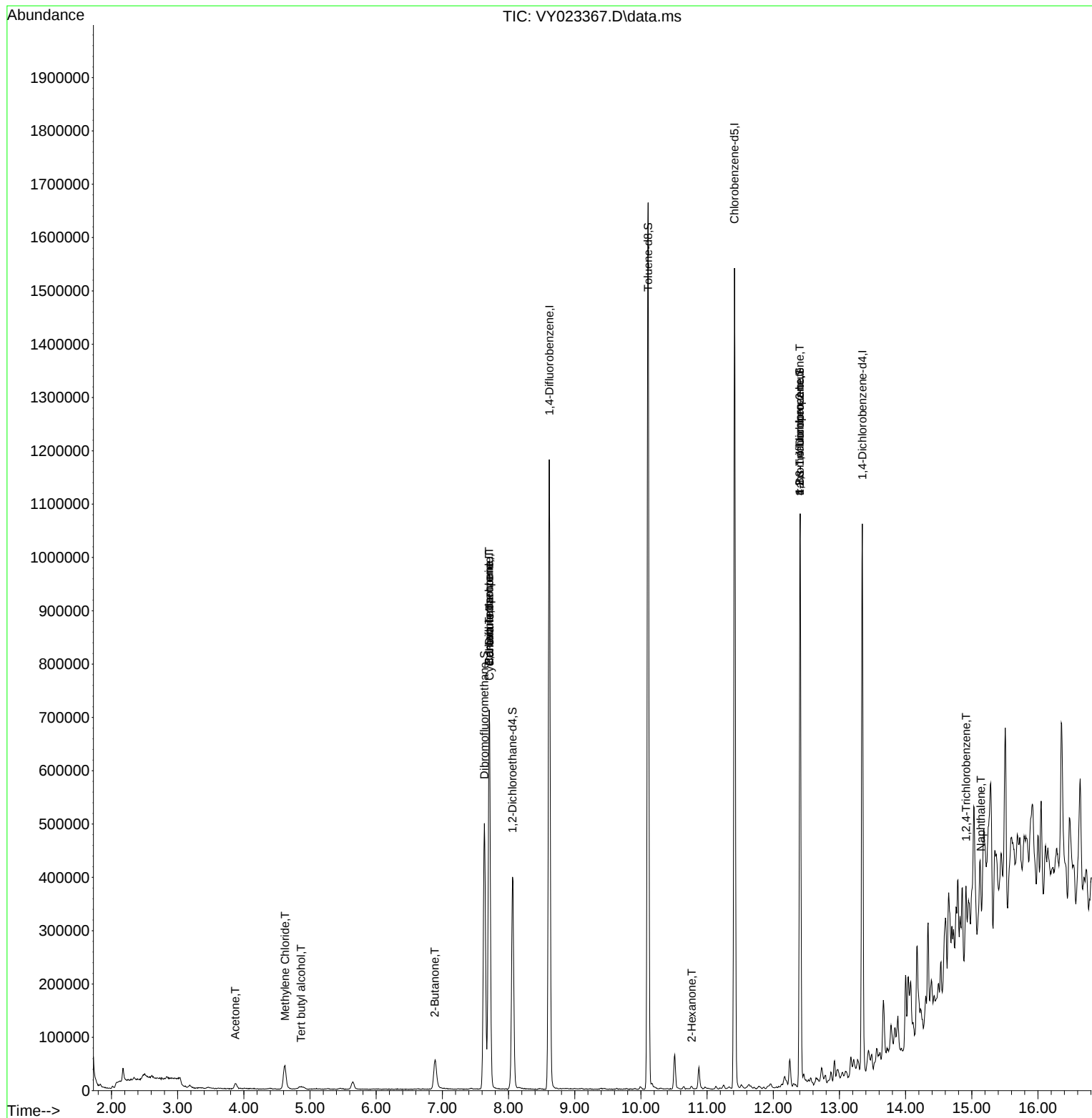
Internal Standards						
1) Pentafluorobenzene	7.707	168	590199	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1047765	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	850722	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	275949	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	306681	59.134	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.260%
35) Dibromofluoromethane	7.634	113	352985	55.114	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.220%
50) Toluene-d8	10.109	98	1116117	46.151	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.300%
62) 4-Bromofluorobenzene	12.401	95	315879	41.505	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.000%
Target Compounds						Qvalue
11) Tert butyl alcohol	4.866	59	8612	28.739	ug/l	98
16) Acetone	3.872	43	18872	15.975	ug/l	97
20) Methylene Chloride	4.622	84	34687	5.488	ug/l	91
25) 2-Butanone	6.884	43	2304	1.585	ug/l #	74
31) Cyclohexane	7.713	56	10376	1.143	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	39386	4.318	ug/l #	50
38) Carbon Tetrachloride	7.707	117	55480	5.286	ug/l #	16
59) 2-Hexanone	10.768	43	3563	1.427	ug/l #	40
76) 1,2,3-Trichloropropane	12.401	75	159157	56.954	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	159157	155.318	ug/l #	14
93) 1,2,4-Trichlorobenzene	14.913	180	4917	1.029	ug/l #	1
95) Naphthalene	15.139	128	11721	1.526	ug/l #	82

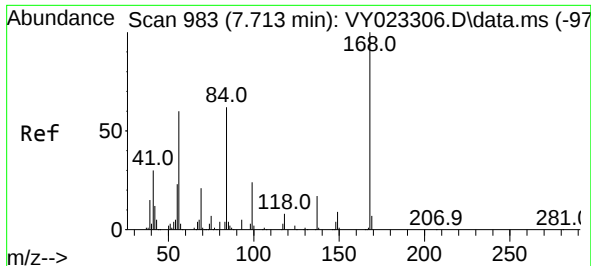
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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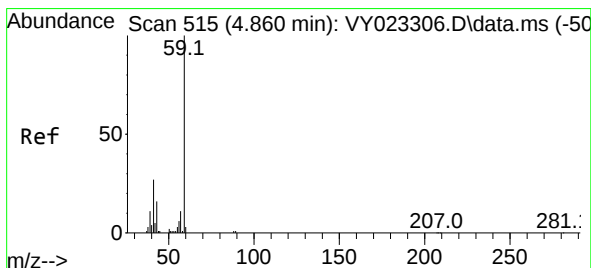
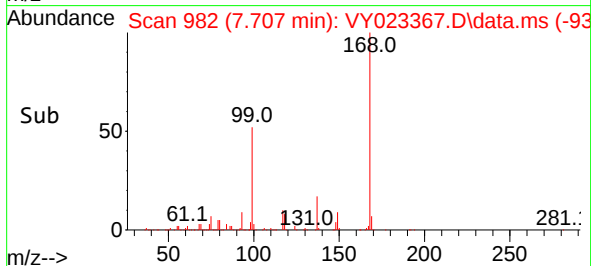
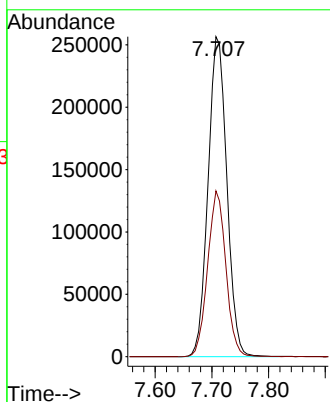
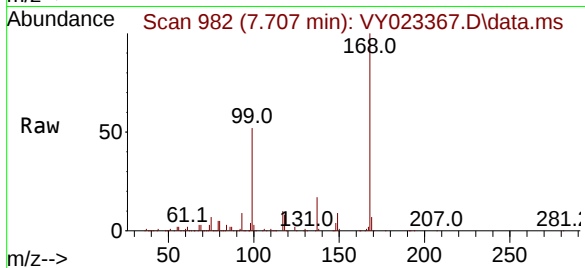




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 99
Delta R.T. 0.000 min
Lab File: VY023367.D
Acq: 25 Sep 2025 12:35

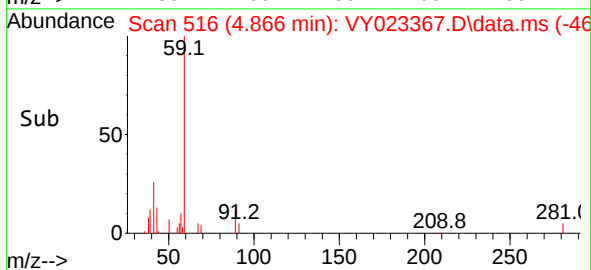
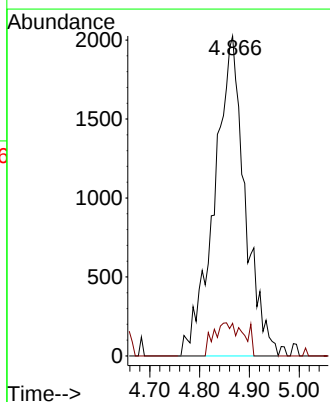
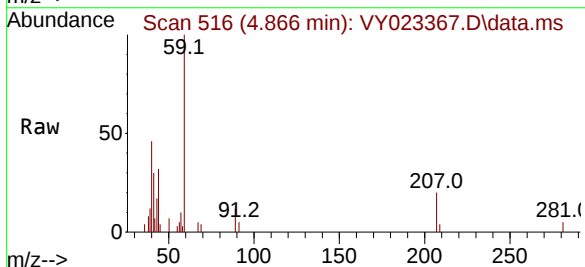
Instrument :
MSVOA_Y
ClientSampleId :

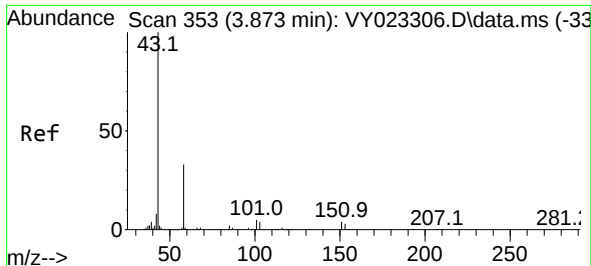
Tgt Ion:168 Resp: 590199
Ion Ratio Lower Upper
168 100
99 51.8 42.8 64.2



#11
Tert butyl alcohol
Concen: 28.739 ug/l
RT: 4.866 min Scan# 516
Delta R.T. 0.006 min
Lab File: VY023367.D
Acq: 25 Sep 2025 12:35

Tgt Ion: 59 Resp: 8612
Ion Ratio Lower Upper
59 100
57 10.1 8.6 13.0

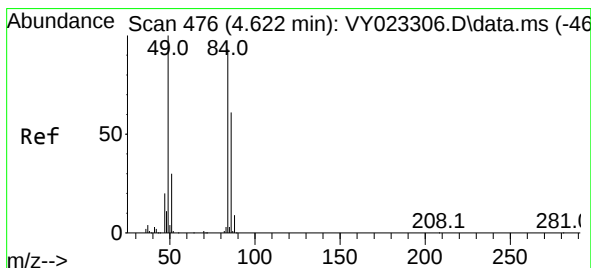
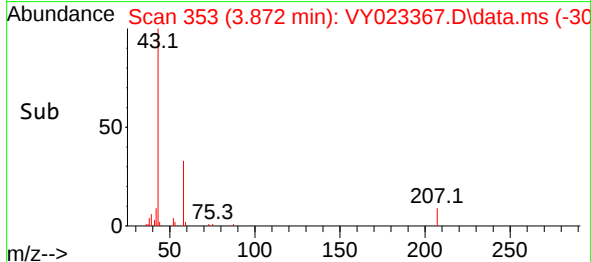
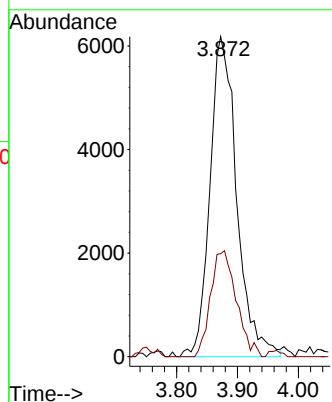
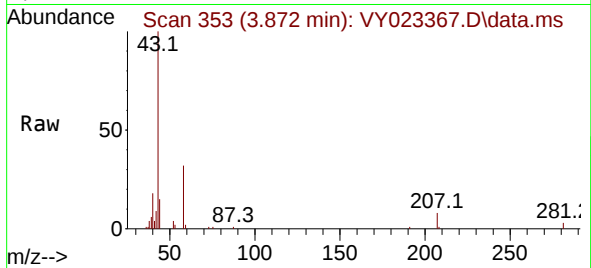




#16
Acetone
Concen: 15.975 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY023367.D
Acq: 25 Sep 2025 12:35

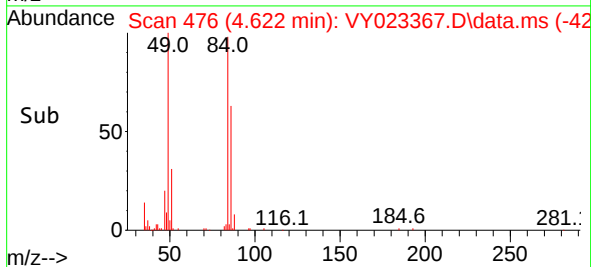
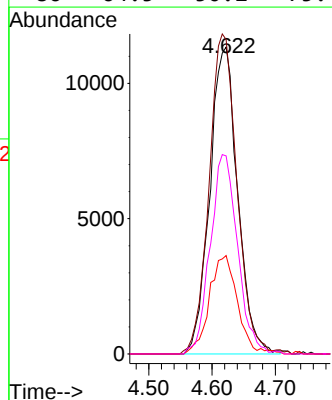
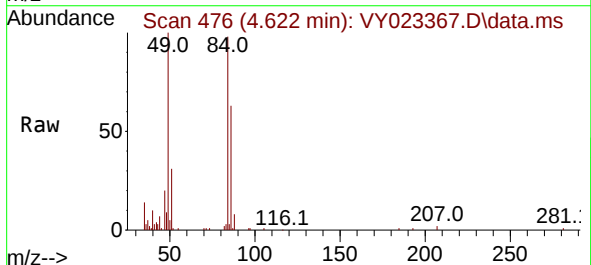
Instrument :
MSVOA_Y
ClientSampleId :

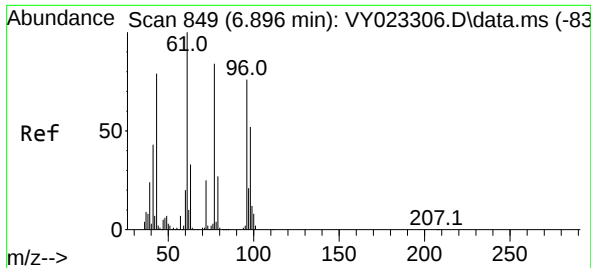
Tgt Ion: 43 Resp: 18872
Ion Ratio Lower Upper
43 100
58 32.2 27.1 40.7



#20
Methylene Chloride
Concen: 5.488 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.018 min
Lab File: VY023367.D
Acq: 25 Sep 2025 12:35

Tgt Ion: 84 Resp: 34687
Ion Ratio Lower Upper
84 100
49 102.4 93.0 139.6
51 32.1 29.0 43.4
86 64.5 50.2 75.4

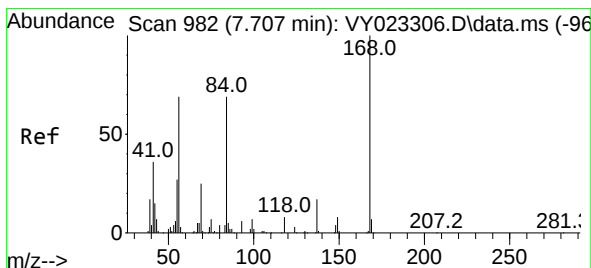
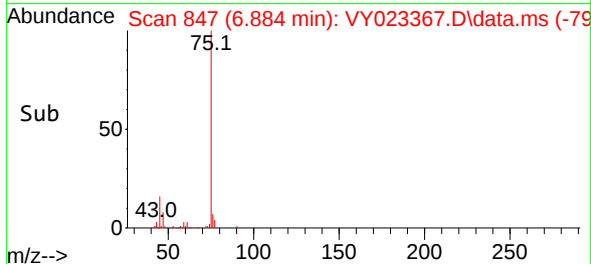
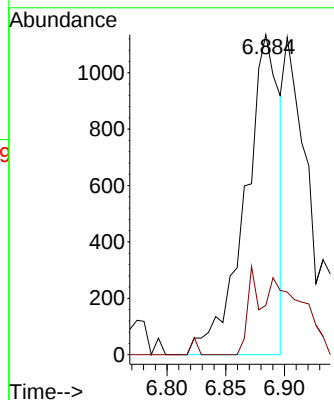
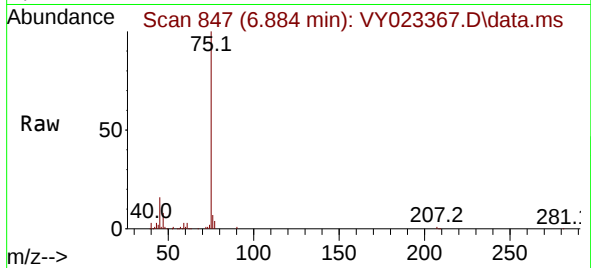




#25
2-Butanone
Concen: 1.585 ug/l
RT: 6.884 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY023367.D
Acq: 25 Sep 2025 12:35

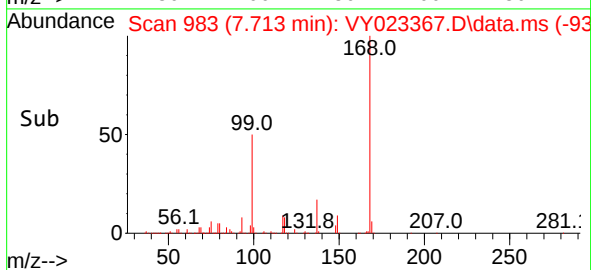
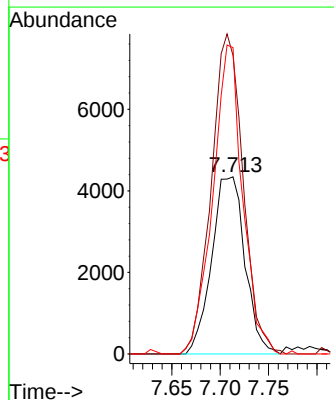
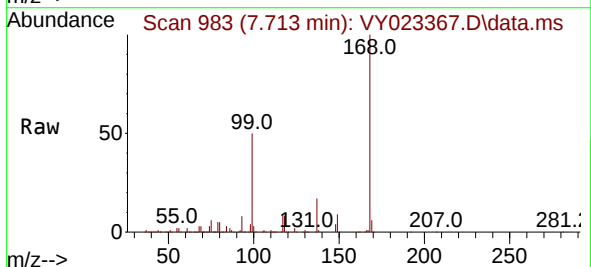
Instrument :
MSVOA_Y
ClientSampleId :

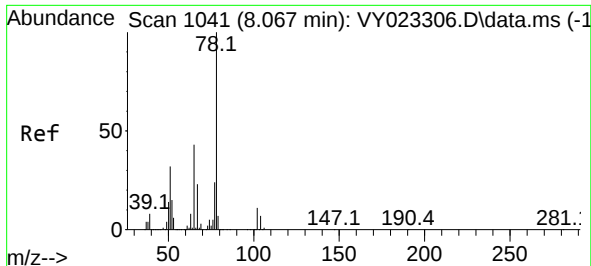
Tgt Ion: 43 Resp: 2304
Ion Ratio Lower Upper
43 100
72 15.4 23.5 35.3#



#31
Cyclohexane
Concen: 1.143 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.018 min
Lab File: VY023367.D
Acq: 25 Sep 2025 12:35

Tgt Ion: 56 Resp: 10376
Ion Ratio Lower Upper
56 100
69 168.6 28.2 42.2#
84 173.1 76.6 114.8#





#33

1,2-Dichloroethane-d4

Concen: 59.134 ug/l

RT: 8.061 min Scan# 1104

Delta R.T. 0.006 min

Lab File: VY023367.D

Acq: 25 Sep 2025 12:35

Instrument :

MSVOA_Y

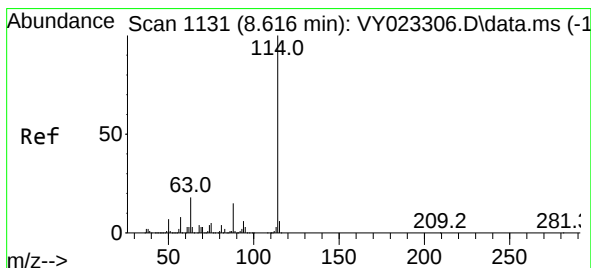
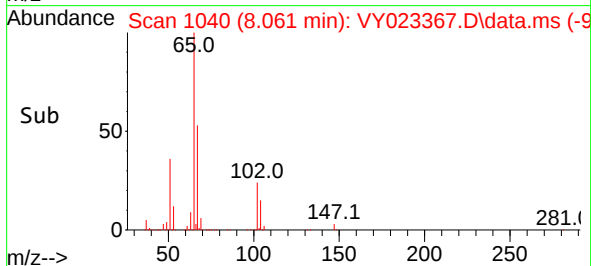
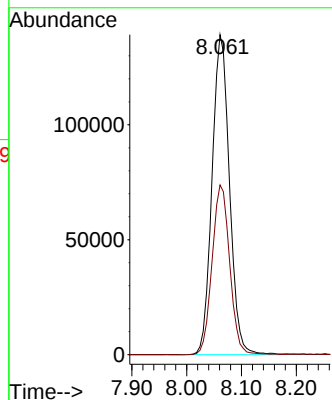
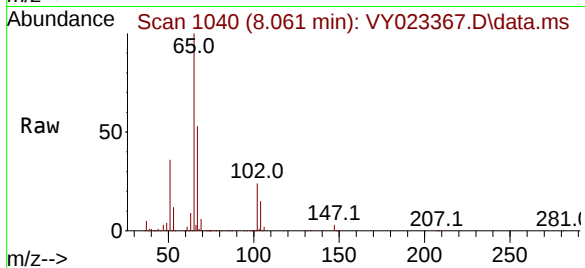
ClientSampleId :

Tgt Ion: 65 Resp: 306681

Ion Ratio Lower Upper

65 100

67 53.6 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023367.D

Acq: 25 Sep 2025 12:35

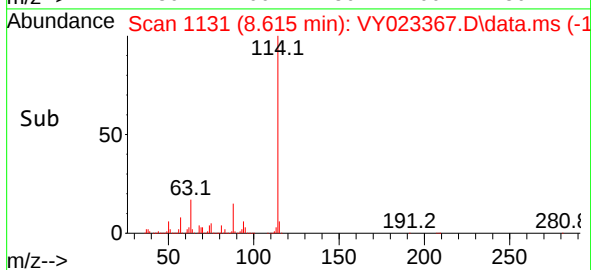
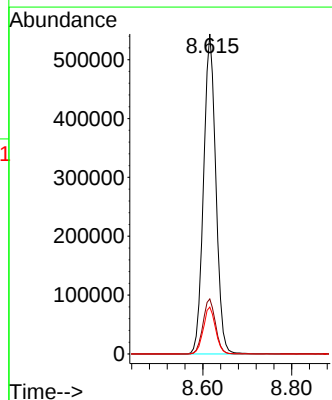
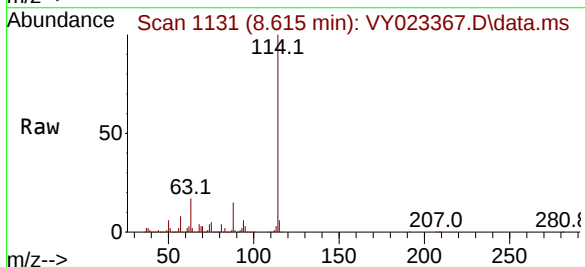
Tgt Ion: 114 Resp: 1047765

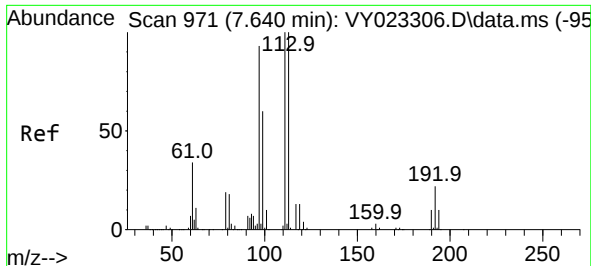
Ion Ratio Lower Upper

114 100

63 17.2 0.0 38.4

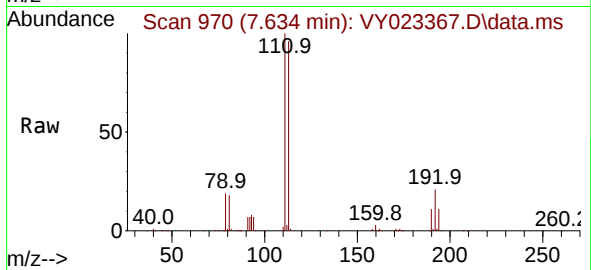
88 14.7 0.0 30.0



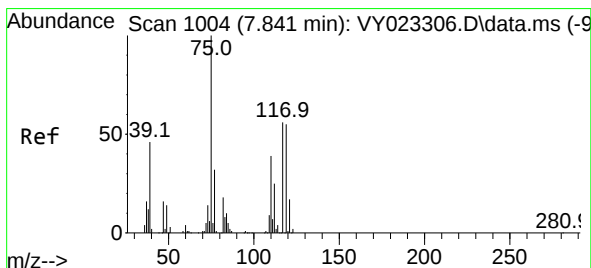
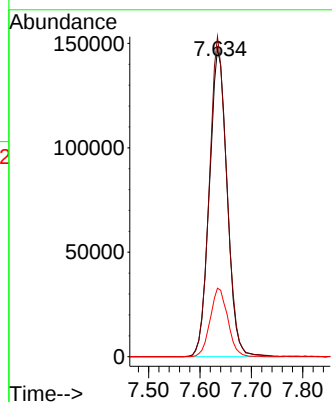
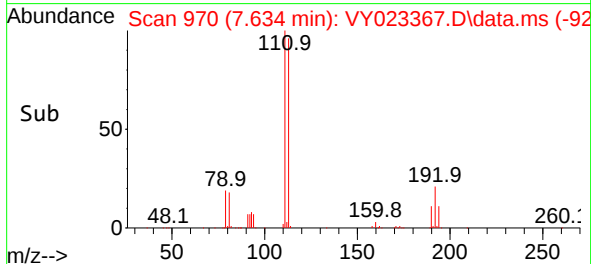


#35
Dibromofluoromethane
Concen: 55.114 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023367.D
Acq: 25 Sep 2025 12:35

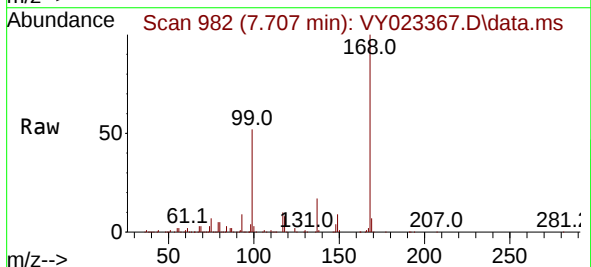
Instrument :
MSVOA_Y
ClientSampleId :



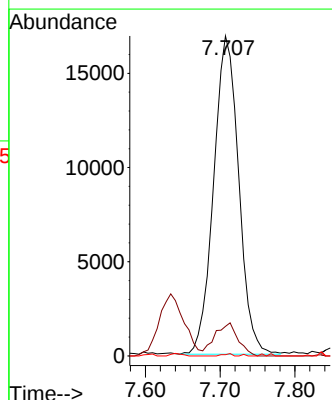
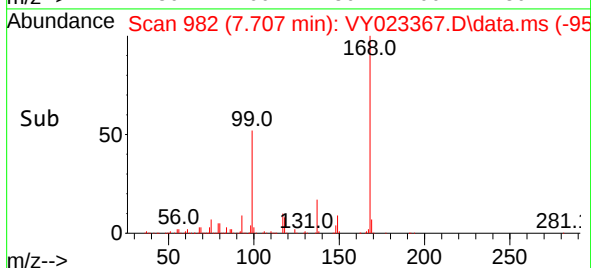
Tgt Ion:113 Resp: 352985
Ion Ratio Lower Upper
113 100
111 102.2 81.1 121.7
192 22.0 16.2 24.4

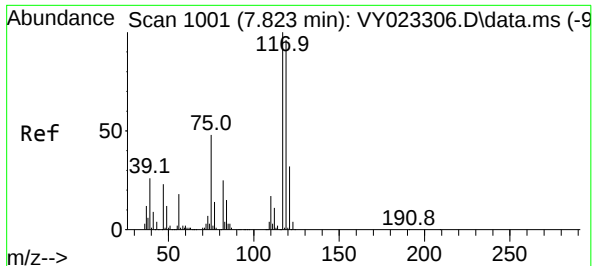


#36
1,1-Dichloropropene
Concen: 4.318 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY023367.D
Acq: 25 Sep 2025 12:35



Tgt Ion: 75 Resp: 39386
Ion Ratio Lower Upper
75 100
110 9.5 18.1 54.4#
77 0.2 24.6 37.0#

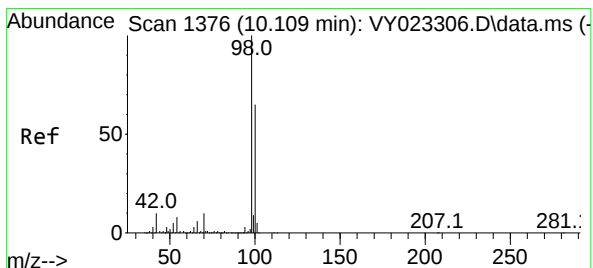
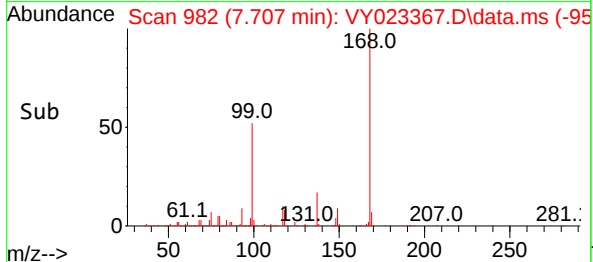
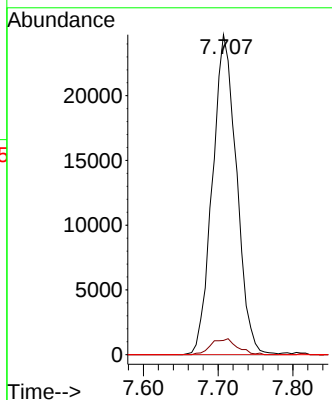
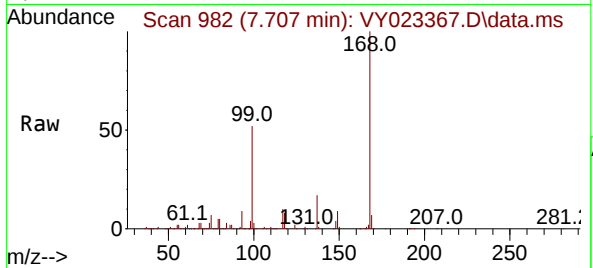




#38
Carbon Tetrachloride
Concen: 5.286 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023367.D
Acq: 25 Sep 2025 12:35

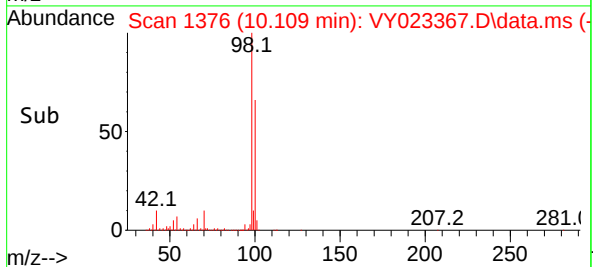
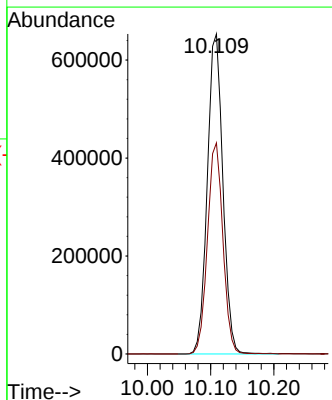
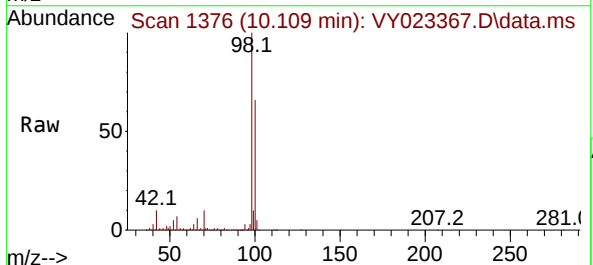
Instrument :
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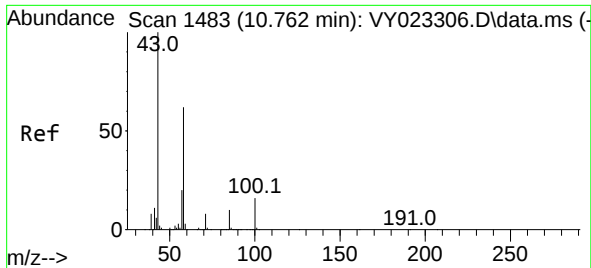
Tgt Ion:117 Resp: 55480
Ion Ratio Lower Upper
117 100
119 4.5 75.6 113.4#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 46.151 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023367.D
Acq: 25 Sep 2025 12:35

Tgt Ion: 98 Resp: 1116117
Ion Ratio Lower Upper
98 100
100 65.5 52.3 78.5

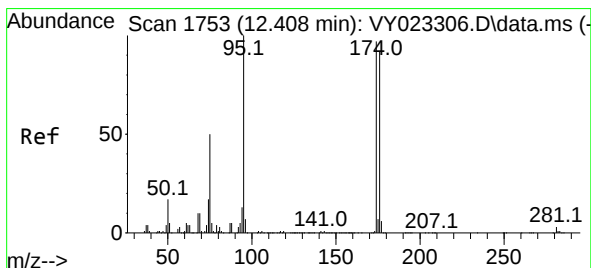
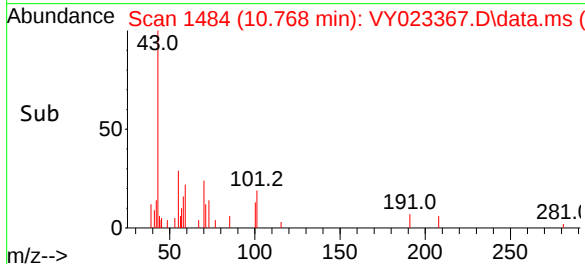
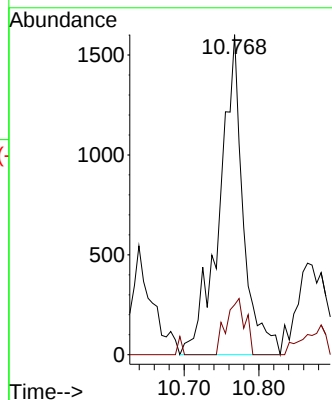
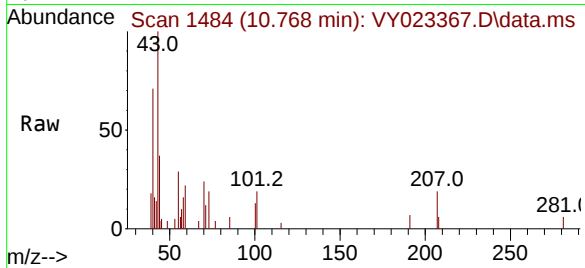




#59
2-Hexanone
Concen: 1.427 ug/l
RT: 10.768 min Scan# 1483
Delta R.T. 0.012 min
Lab File: VY023367.D
Acq: 25 Sep 2025 12:35

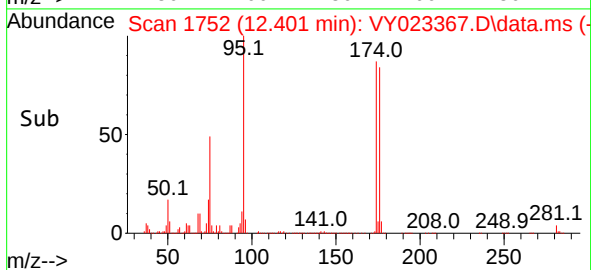
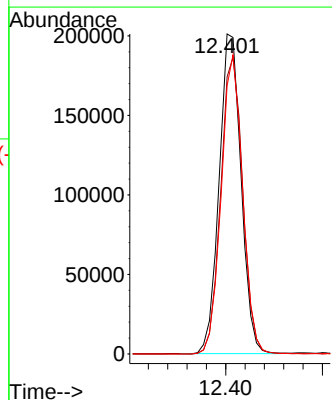
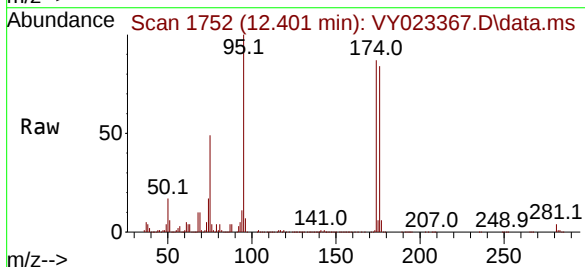
Instrument :
MSVOA_Y
ClientSampleId :

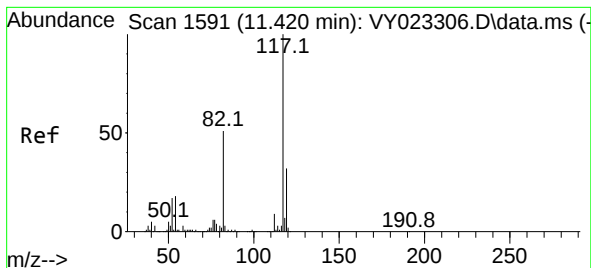
Tgt Ion: 43 Resp: 3563
Ion Ratio Lower Upper
43 100
58 13.9 29.5 88.5#



#62
4-Bromofluorobenzene
Concen: 41.505 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023367.D
Acq: 25 Sep 2025 12:35

Tgt Ion: 95 Resp: 315879
Ion Ratio Lower Upper
95 100
174 93.0 0.0 171.6
176 91.2 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023367.D

Acq: 25 Sep 2025 12:35

Instrument :

MSVOA_Y

ClientSampleId :

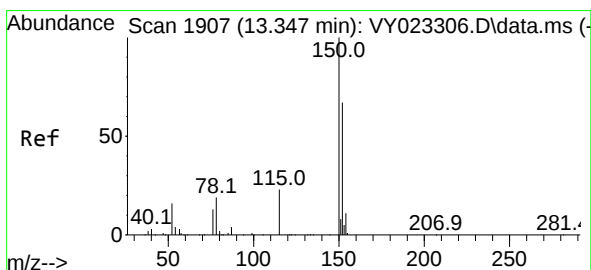
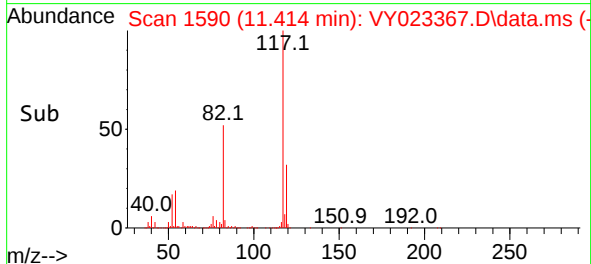
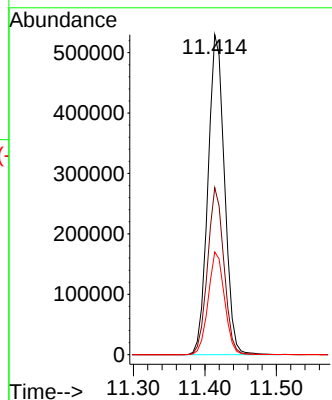
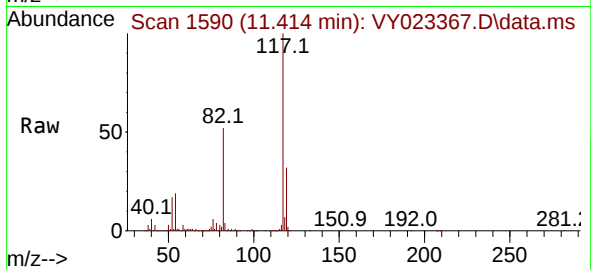
Tgt Ion:117 Resp: 850722

Ion Ratio Lower Upper

117 100

82 52.2 43.4 65.0

119 32.1 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023367.D

Acq: 25 Sep 2025 12:35

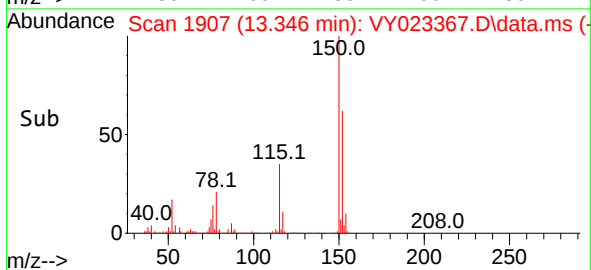
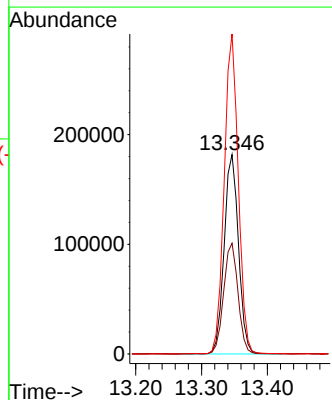
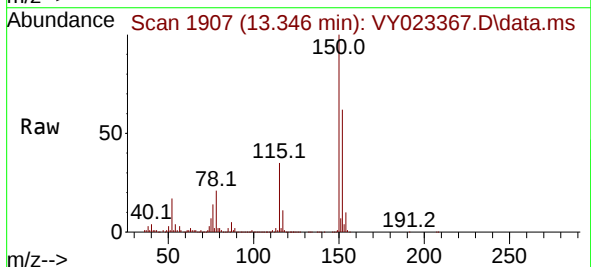
Tgt Ion:152 Resp: 275949

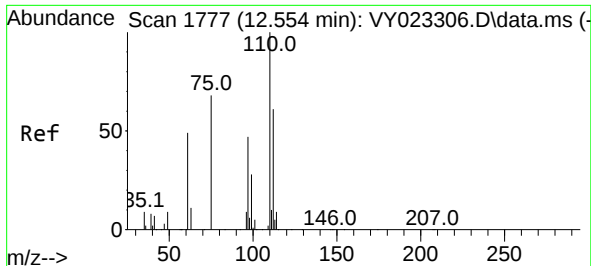
Ion Ratio Lower Upper

152 100

115 55.7 28.2 84.6

150 157.1 0.0 348.0

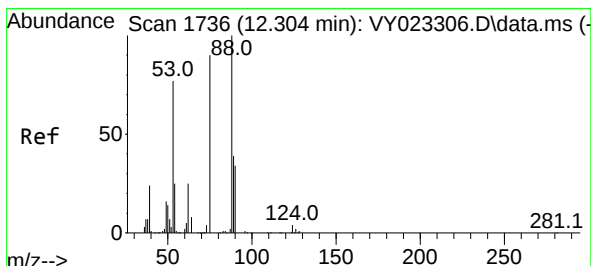
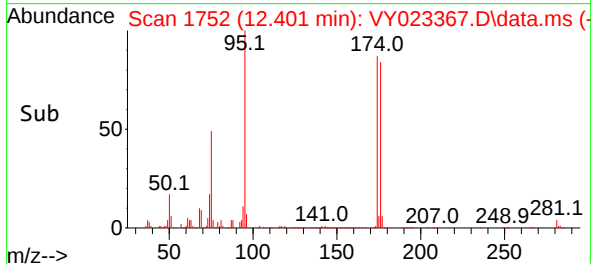
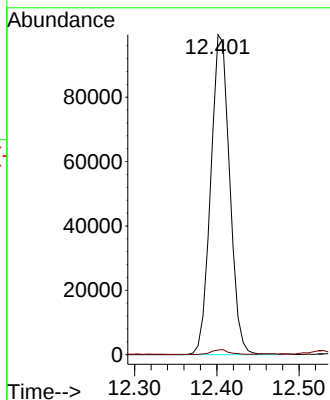
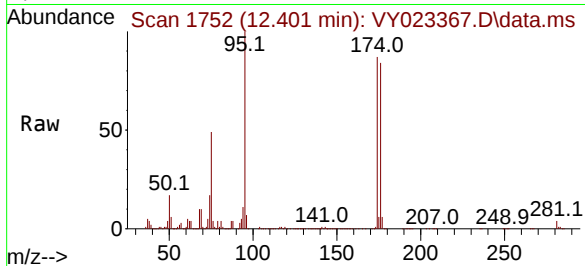




#76
 1,2,3-Trichloropropane
 Concen: 56.954 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. -0.146 min
 Lab File: VY023367.D
 Acq: 25 Sep 2025 12:35

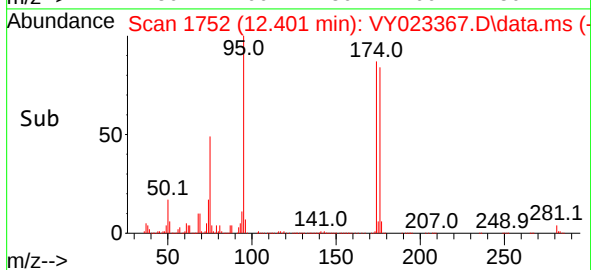
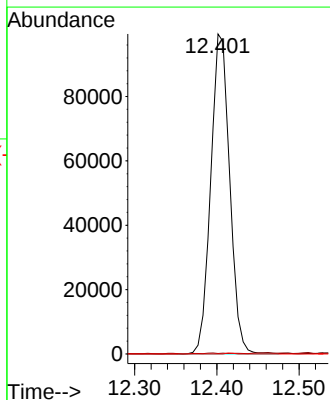
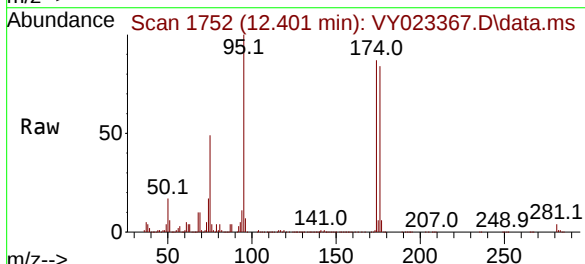
Instrument :
 MSVOA_Y
 ClientSampleId :

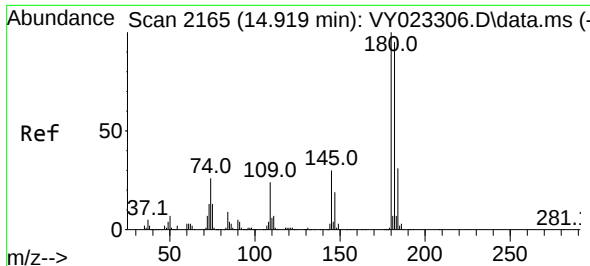
Tgt Ion: 75 Resp: 159157
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 155.318 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. 0.104 min
 Lab File: VY023367.D
 Acq: 25 Sep 2025 12:35

Tgt Ion: 75 Resp: 159157
 Ion Ratio Lower Upper
 75 100
 53 0.5 70.8 106.2#
 89 0.1 38.1 57.1#

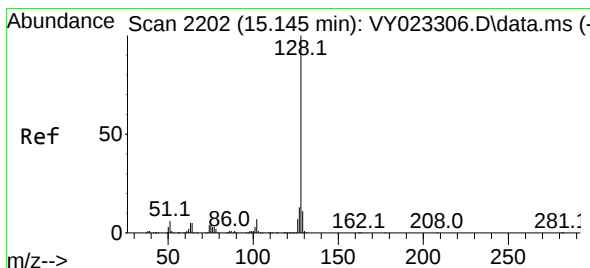
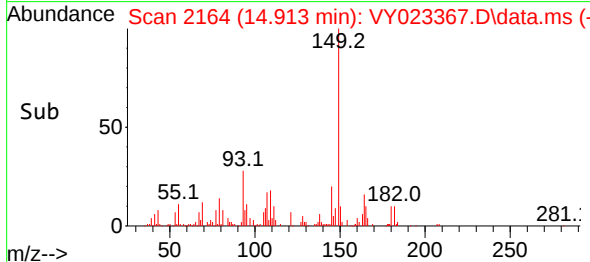
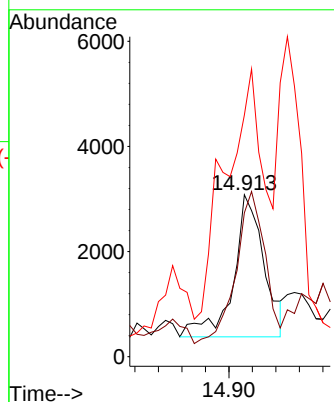
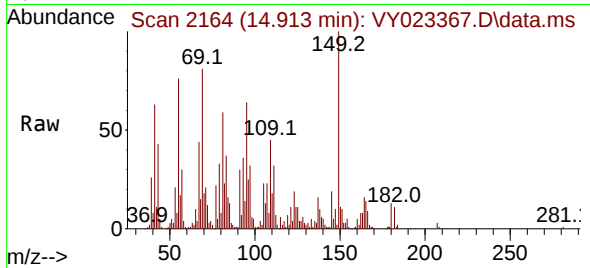




#93
1,2,4-Trichlorobenzene
Concen: 1.029 ug/l
RT: 14.913 min Scan# 2164
Delta R.T. -0.000 min
Lab File: VY023367.D
Acq: 25 Sep 2025 12:35

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:180 Resp: 4917
Ion Ratio Lower Upper
180 100
182 93.6 46.8 140.4
145 268.9 14.4 43.4#



#95
Naphthalene
Concen: 1.526 ug/l
RT: 15.139 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY023367.D
Acq: 25 Sep 2025 12:35

Tgt Ion:128 Resp: 11721
Ion Ratio Lower Upper
128 100
127 24.9 10.4 15.6#
129 9.4 9.0 13.4

