

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
 Data File : VY023887.D
 Acq On : 04 Dec 2025 12:22
 Operator : SY/MD
 Sample : Q3750-06RE
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 FENCE WC-2-VOCRE

Quant Time: Dec 05 01:45:17 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)

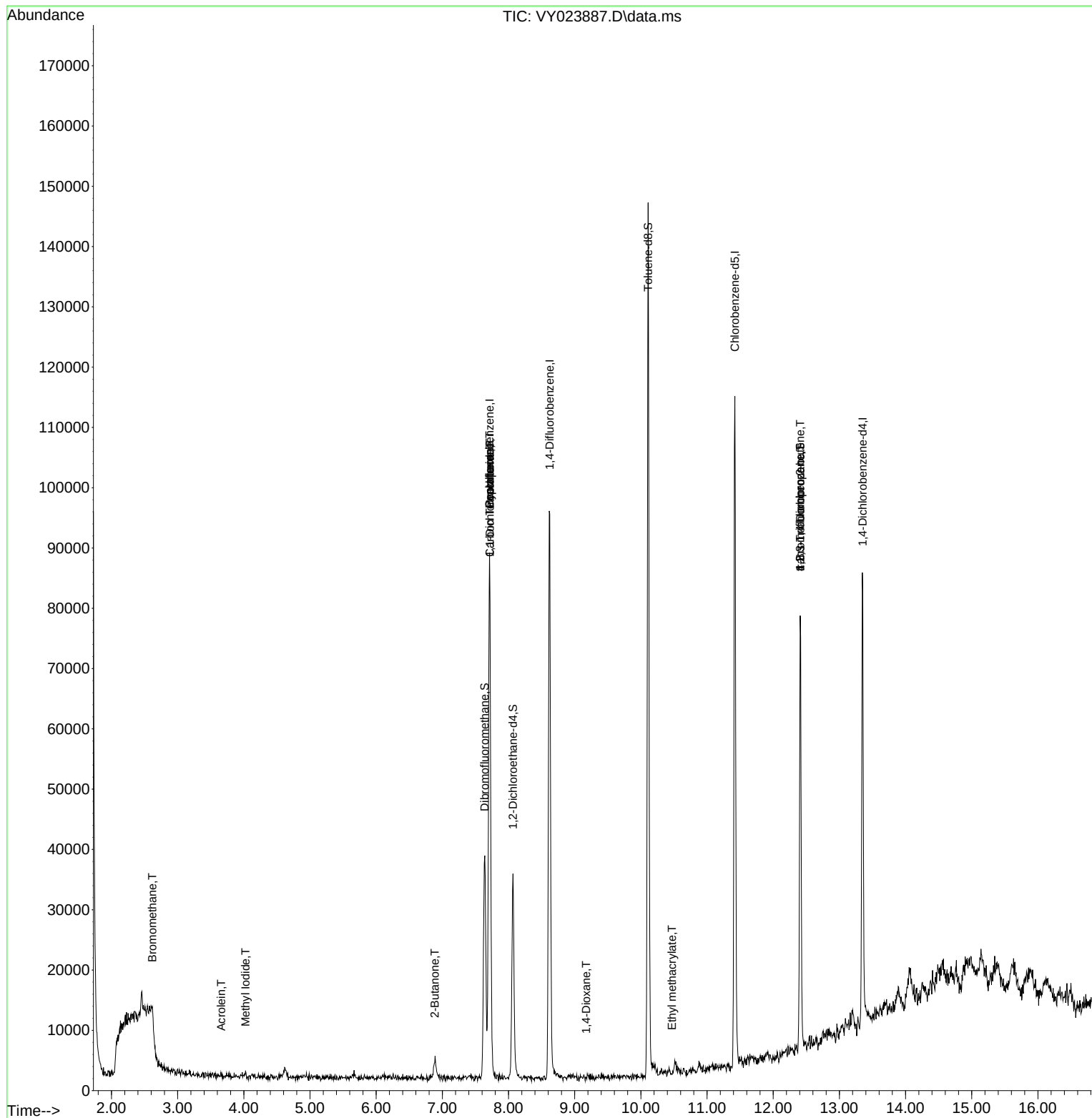
Internal Standards						
1) Pentafluorobenzene	7.713	168	70847	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	85911	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	64686	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	20746	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	26372	37.210	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	74.420%		
35) Dibromofluoromethane	7.640	113	26685	48.429	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.860%		
50) Toluene-d8	10.109	98	95374	44.480	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	88.960%		
62) 4-Bromofluorobenzene	12.408	95	22487	30.748	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	61.500%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.617	94	1534	2.437	ug/l #	63
10) Methyl Iodide	4.025	142	654	3.208	ug/l #	79
11) Tert butyl alcohol	4.836	59	229	Below Cal	#	74
13) Acrolein	3.659	56	75	1.695	ug/l #	13
20) Methylene Chloride	4.622	84	1032	Below Cal	#	90
25) 2-Butanone	6.884	43	264	1.031	ug/l #	49
31) Cyclohexane	7.713	56	1422	1.071	ug/l #	19
36) 1,1-Dichloropropene	7.719	75	5212	6.415	ug/l #	54
38) Carbon Tetrachloride	7.719	117	6424	7.164	ug/l #	17
49) 1,4-Dioxane	9.170	88	26	7.428	ug/l #	25
56) Ethyl methacrylate	10.469	69	209	4.460	ug/l #	29
76) 1,2,3-Trichloropropane	12.408	75	11486	55.847	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	11486	133.758	ug/l #	14

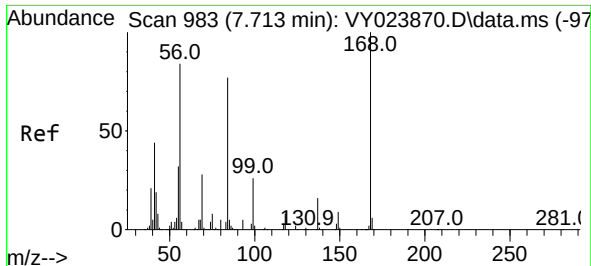
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023887.D
Acq On : 04 Dec 2025 12:22
Operator : SY/MD
Sample : Q3750-06RE
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
FENCE WC-2-VOCRE

Quant Time: Dec 05 01:45:17 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

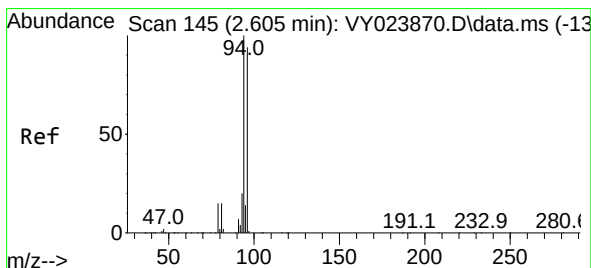
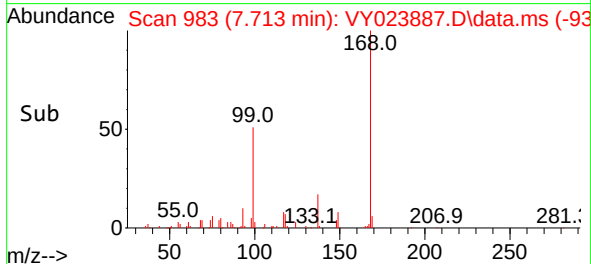
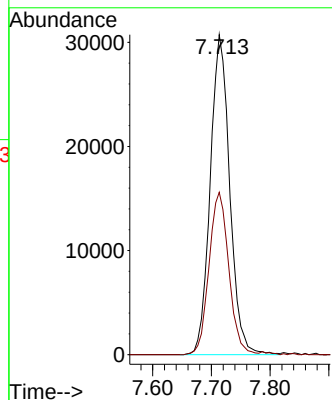
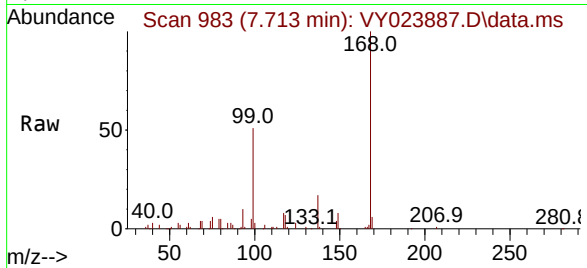




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023887.D
Acq: 04 Dec 2025 12:22

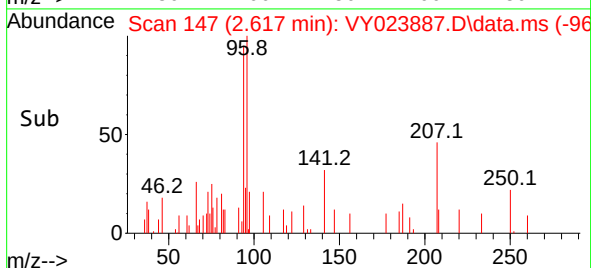
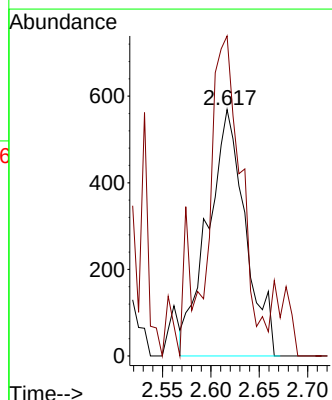
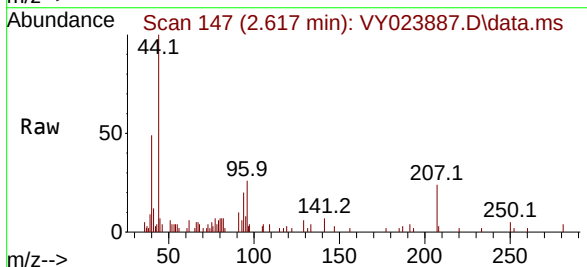
Instrument :
MSVOA_Y
ClientSampleId :
FENCE WC-2-VOCRE

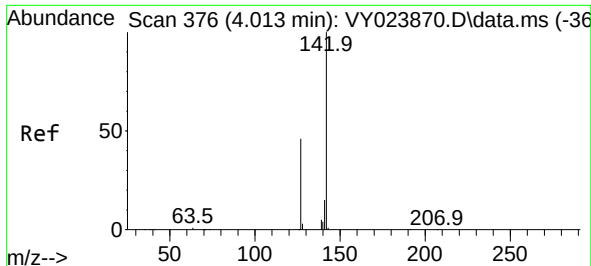
Tgt Ion:168 Resp: 70847
Ion Ratio Lower Upper
168 100
99 50.7 42.5 63.7



#5
Bromomethane
Concen: 2.437 ug/l
RT: 2.617 min Scan# 147
Delta R.T. 0.012 min
Lab File: VY023887.D
Acq: 04 Dec 2025 12:22

Tgt Ion: 94 Resp: 1534
Ion Ratio Lower Upper
94 100
96 129.9 75.2 112.8#

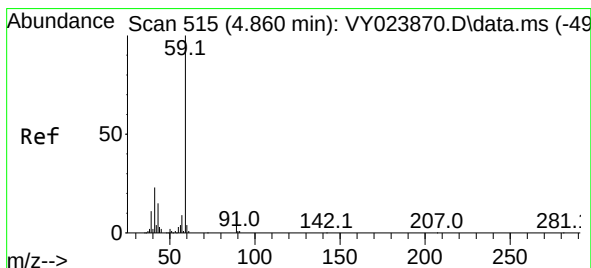
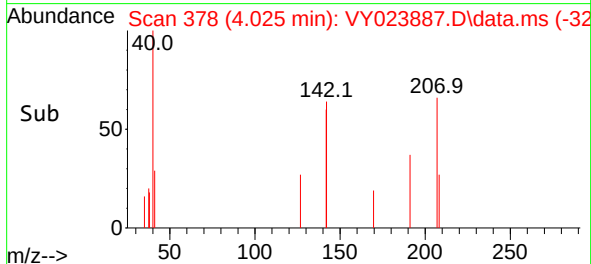
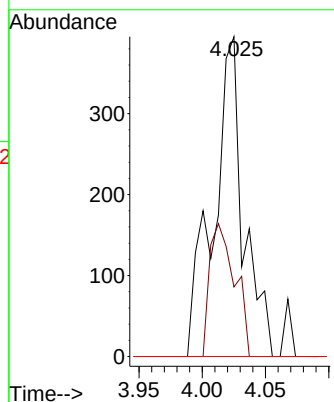
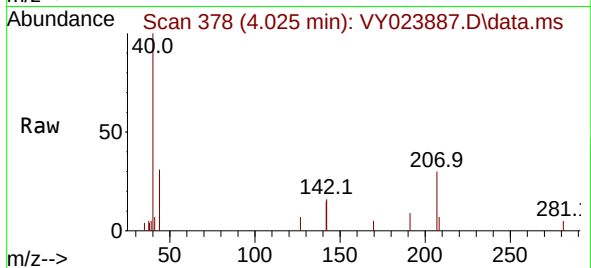




#10
Methyl Iodide
Concen: 3.208 ug/l
RT: 4.025 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY023887.D
Acq: 04 Dec 2025 12:22

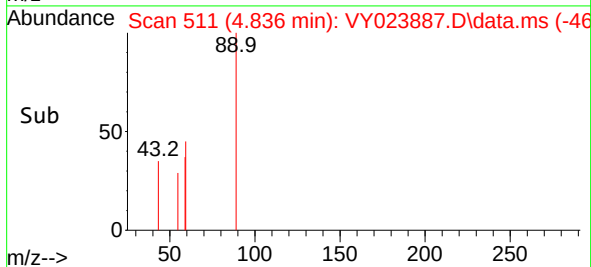
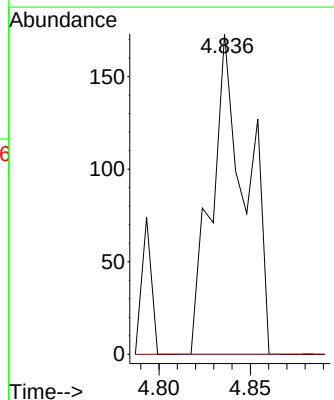
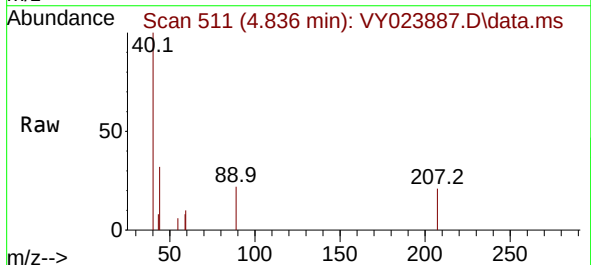
Instrument :
MSVOA_Y
ClientSampleId :
FENCE WC-2-VOCRE

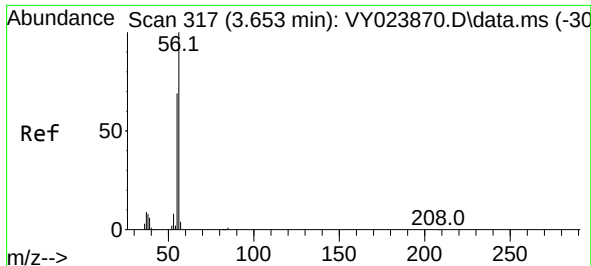
Tgt Ion:142 Resp: 654
Ion Ratio Lower Upper
142 100
127 34.9 36.1 54.1#
141 0.0 11.8 17.8#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.836 min Scan# 511
Delta R.T. -0.024 min
Lab File: VY023887.D
Acq: 04 Dec 2025 12:22

Tgt Ion: 59 Resp: 229
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

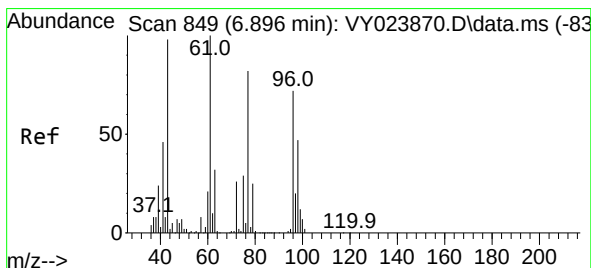
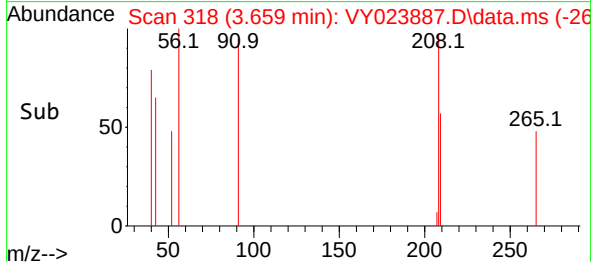
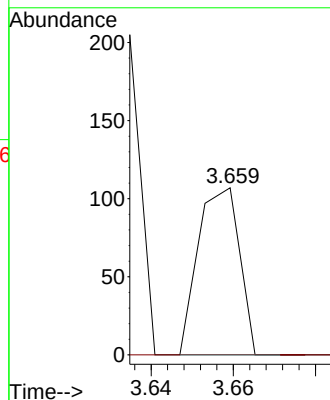
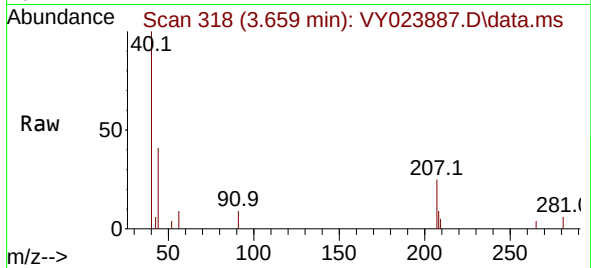




#13
Acrolein
Concen: 1.695 ug/l
RT: 3.659 min Scan# 317
Delta R.T. 0.006 min
Lab File: VY023887.D
Acq: 04 Dec 2025 12:22

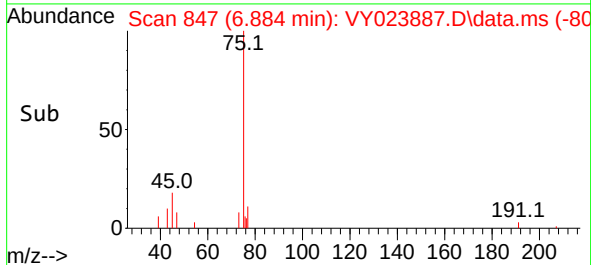
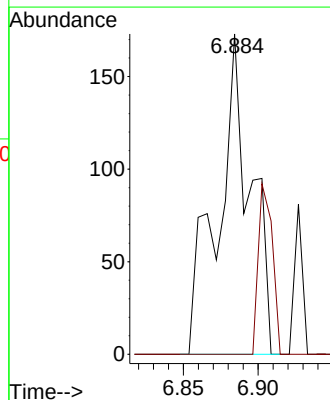
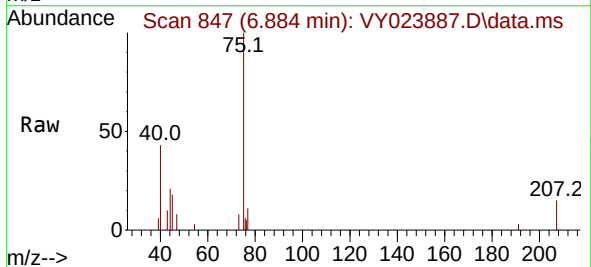
Instrument :
MSVOA_Y
ClientSampleId :
FENCE WC-2-VOCRE

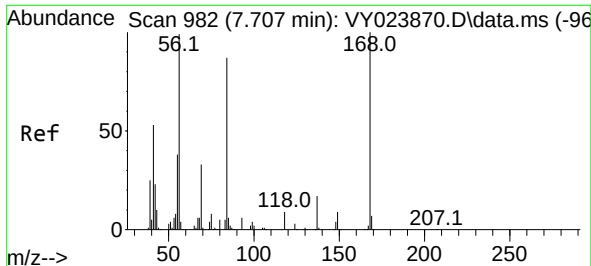
Tgt Ion: 56 Resp: 75
Ion Ratio Lower Upper
56 100
55 0.0 59.0 88.6#



#25
2-Butanone
Concen: 1.031 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.012 min
Lab File: VY023887.D
Acq: 04 Dec 2025 12:22

Tgt Ion: 43 Resp: 264
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.6#

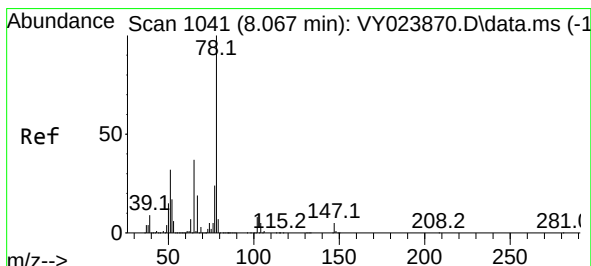
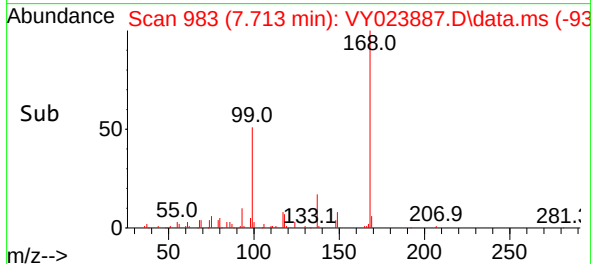
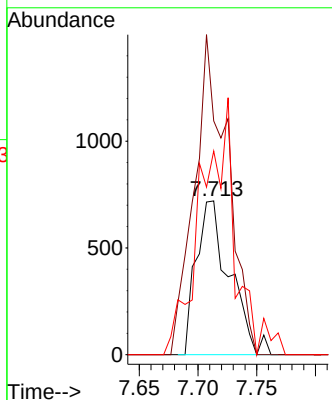
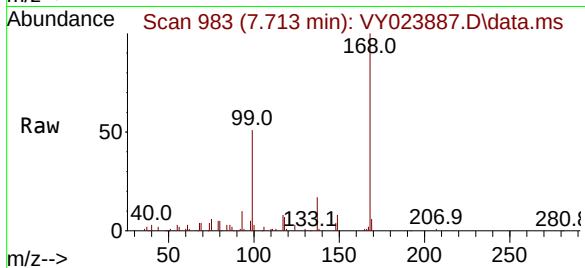




#31
Cyclohexane
Concen: 1.071 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023887.D
Acq: 04 Dec 2025 12:22

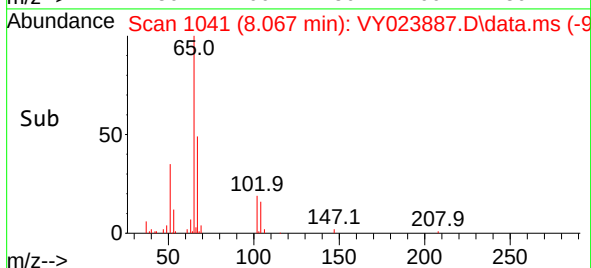
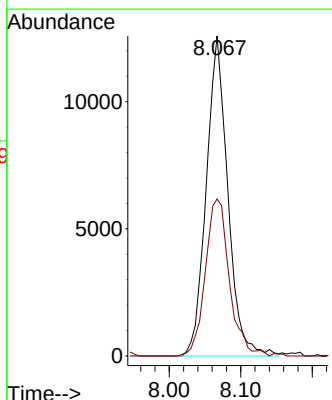
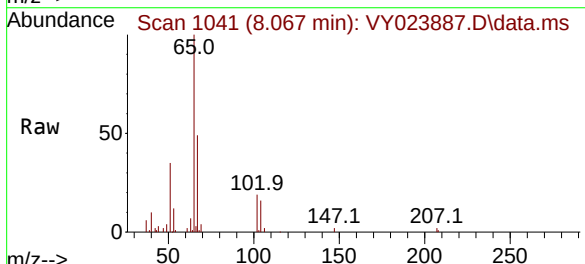
Instrument :
MSVOA_Y
ClientSampleId :
FENCE WC-2-VOCRE

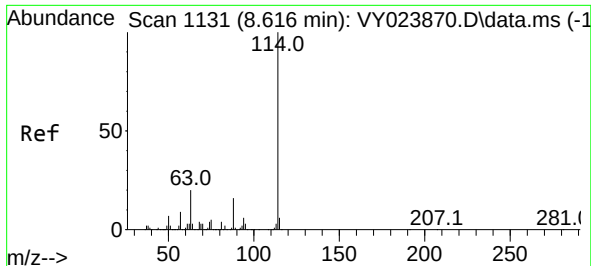
Tgt Ion: 56 Resp: 1422
Ion Ratio Lower Upper
56 100
69 152.1 26.8 40.2#
84 118.3 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 37.210 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY023887.D
Acq: 04 Dec 2025 12:22

Tgt Ion: 65 Resp: 26372
Ion Ratio Lower Upper
65 100
67 54.6 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY023887.D

Acq: 04 Dec 2025 12:22

Instrument :

MSVOA_Y

ClientSampleId :

FENCE WC-2-VOCRE

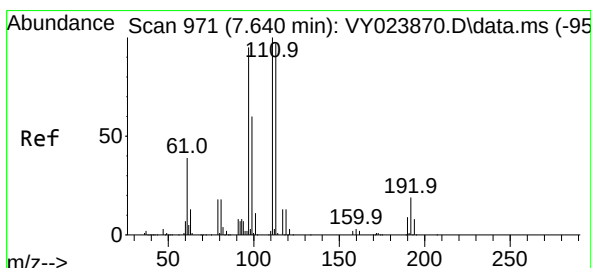
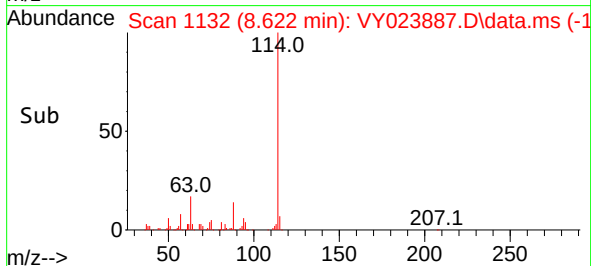
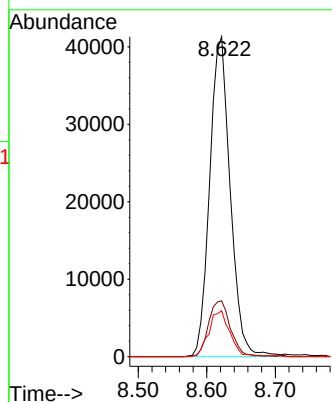
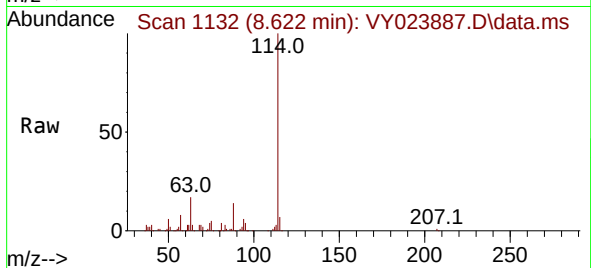
Tgt Ion:114 Resp: 85911

Ion Ratio Lower Upper

114 100

63 17.4 0.0 39.2

88 14.4 0.0 31.4



#35

Dibromofluoromethane

Concen: 48.429 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY023887.D

Acq: 04 Dec 2025 12:22

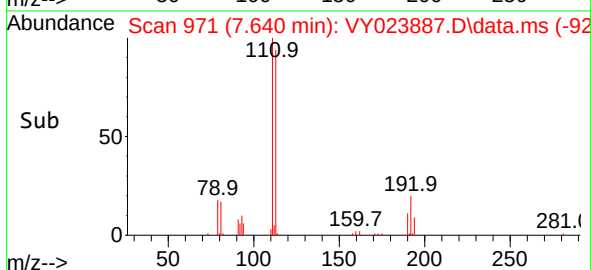
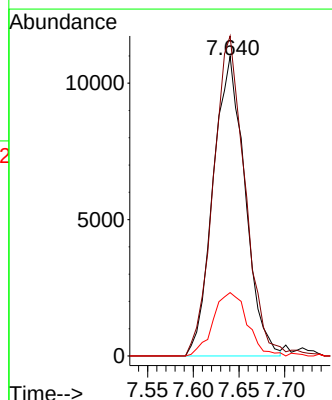
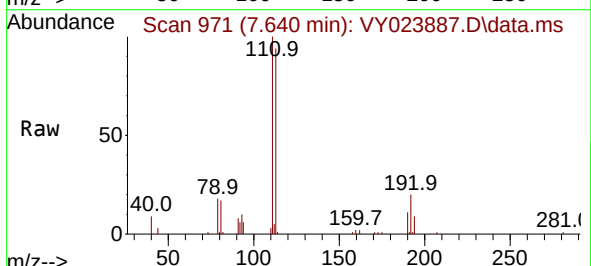
Tgt Ion:113 Resp: 26685

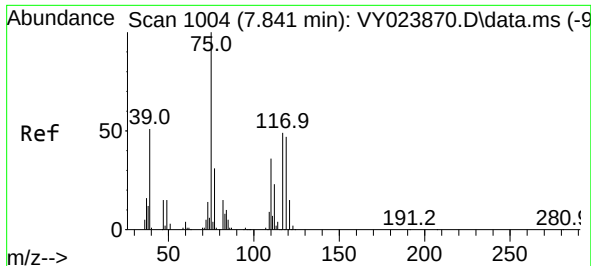
Ion Ratio Lower Upper

113 100

111 106.3 82.2 123.2

192 22.6 15.8 23.8





#36

1,1-Dichloropropene

Concen: 6.415 ug/l

RT: 7.719 min Scan# 984

Delta R.T. -0.122 min

Lab File: VY023887.D

Acq: 04 Dec 2025 12:22

Instrument :

MSVOA_Y

ClientSampleId :

FENCE WC-2-VOCRE

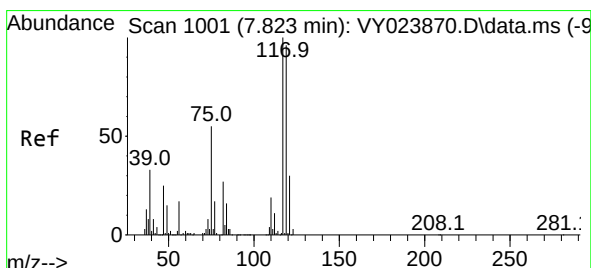
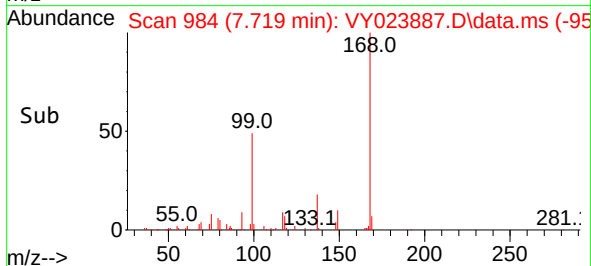
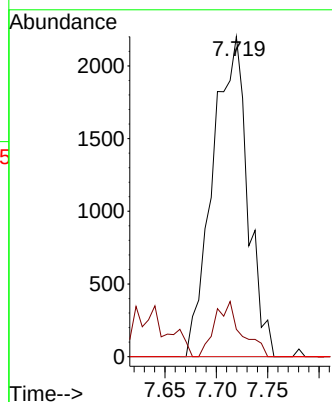
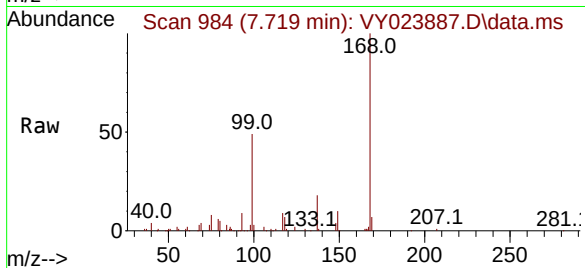
Tgt Ion: 75 Resp: 5212

Ion Ratio Lower Upper

75 100

110 13.1 17.6 52.9#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 7.164 ug/l

RT: 7.719 min Scan# 984

Delta R.T. -0.104 min

Lab File: VY023887.D

Acq: 04 Dec 2025 12:22

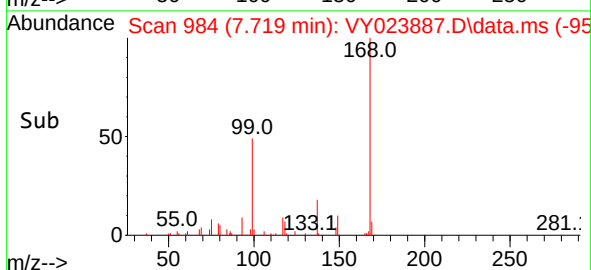
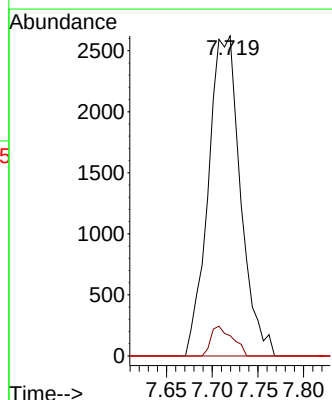
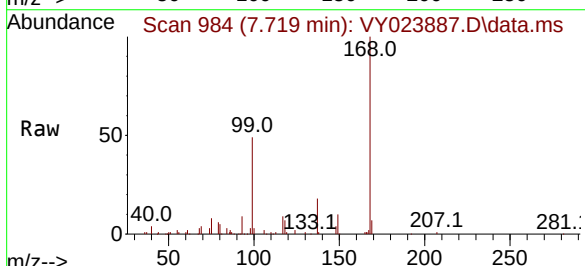
Tgt Ion: 117 Resp: 6424

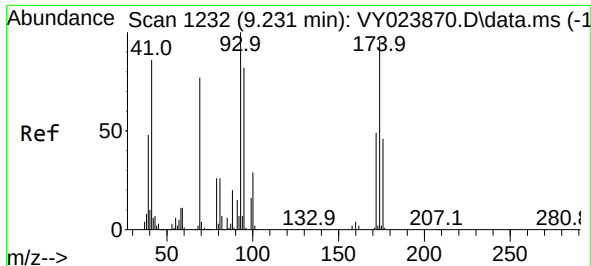
Ion Ratio Lower Upper

117 100

119 6.3 77.0 115.6#

121 0.0 23.9 35.9#





#49

1,4-Dioxane

Concen: 7.428 ug/l

RT: 9.170 min Scan# 11

Delta R.T. -0.061 min

Lab File: VY023887.D

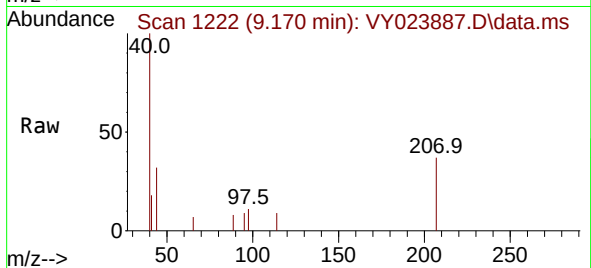
Acq: 04 Dec 2025 12:22

Instrument :

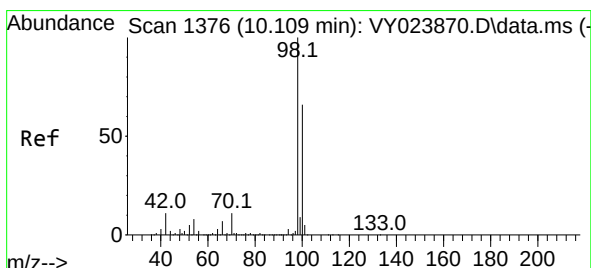
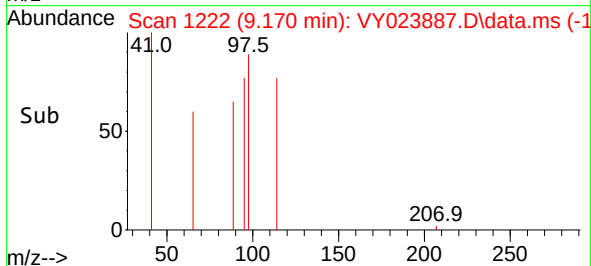
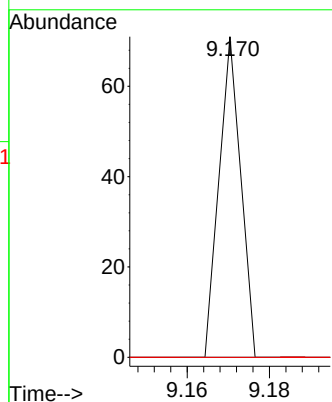
MSVOA_Y

ClientSampleId :

FENCE WC-2-VOCRE



Tgt Ion:	88	Resp:	26
Ion	Ratio	Lower	Upper
88	100		
43	0.0	26.8	40.2#
58	0.0	52.4	78.6#



#50

Toluene-d8

Concen: 44.480 ug/l

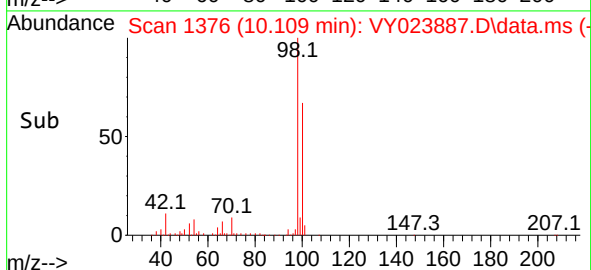
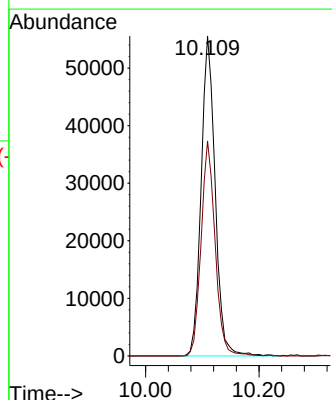
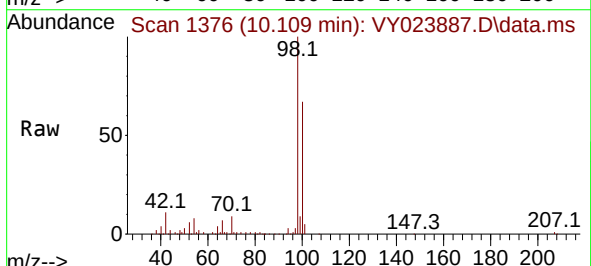
RT: 10.109 min Scan# 1376

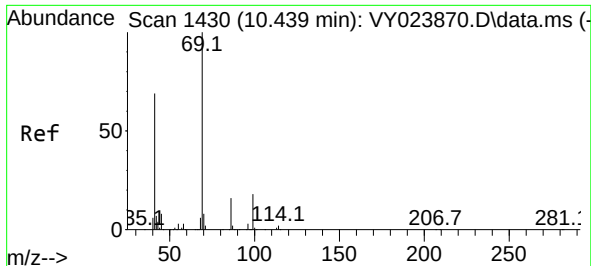
Delta R.T. -0.000 min

Lab File: VY023887.D

Acq: 04 Dec 2025 12:22

Tgt Ion:	98	Resp:	95374
Ion	Ratio	Lower	Upper
98	100		
100	67.2	52.5	78.7

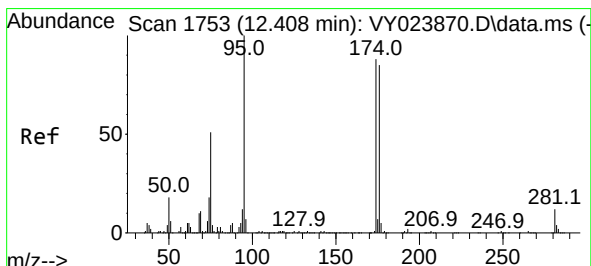
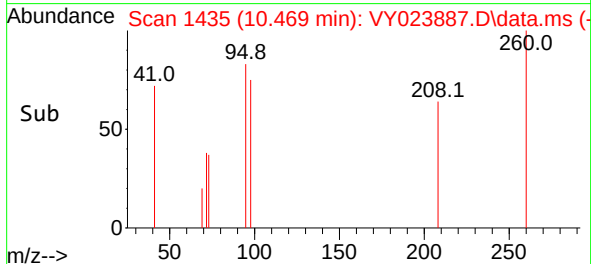
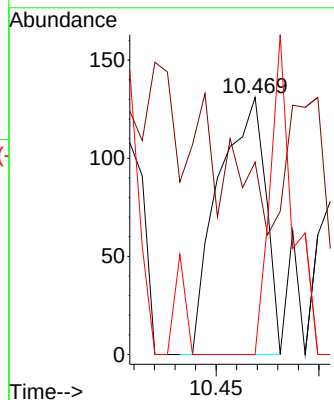
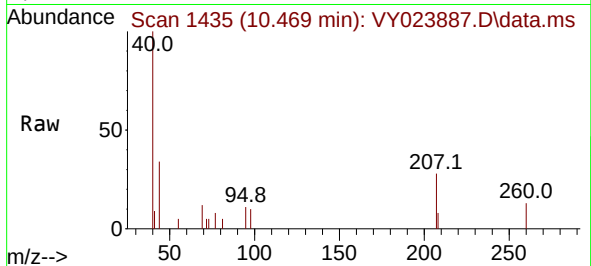




#56
Ethyl methacrylate
Concen: 4.460 ug/l
RT: 10.469 min Scan# 1435
Delta R.T. 0.030 min
Lab File: VY023887.D
Acq: 04 Dec 2025 12:22

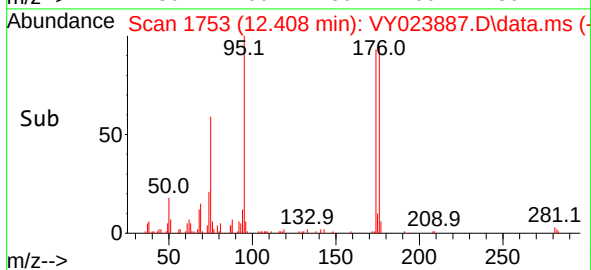
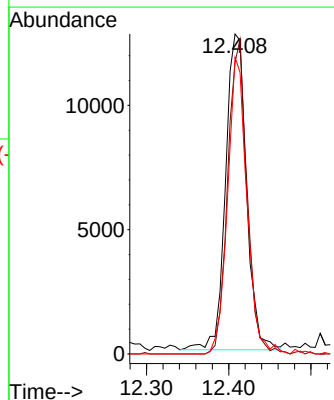
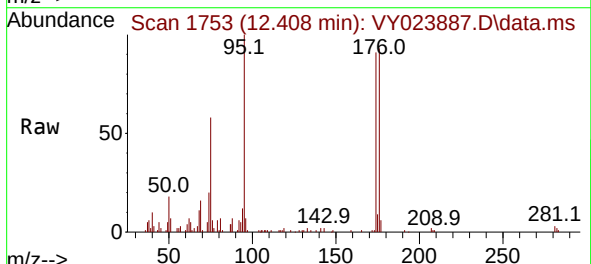
Instrument :
MSVOA_Y
ClientSampleId :
FENCE WC-2-VOCRE

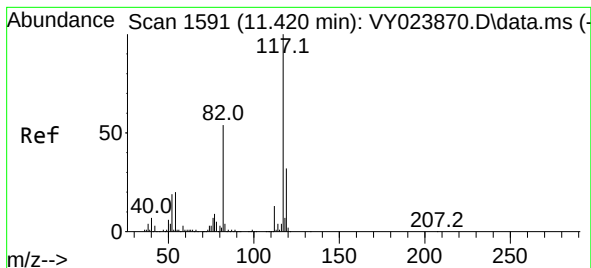
Tgt Ion: 69 Resp: 209
Ion Ratio Lower Upper
69 100
41 0.0 52.5 78.7#
39 60.8 27.1 40.7#



#62
4-Bromofluorobenzene
Concen: 30.748 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY023887.D
Acq: 04 Dec 2025 12:22

Tgt Ion: 95 Resp: 22487
Ion Ratio Lower Upper
95 100
174 91.8 0.0 169.6
176 87.3 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: VY023887.D

Acq: 04 Dec 2025 12:22

Instrument :

MSVOA_Y

ClientSampleId :

FENCE WC-2-VOCRE

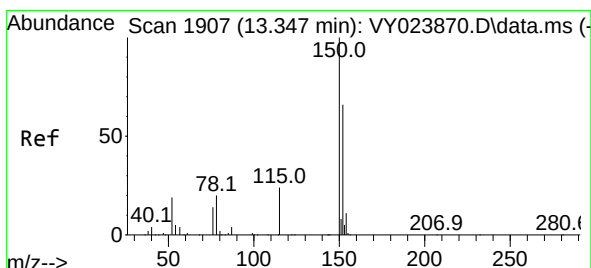
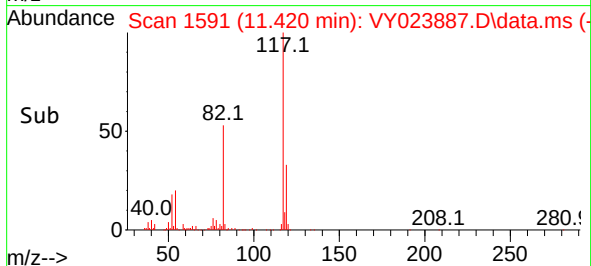
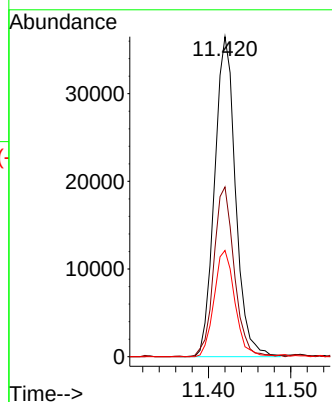
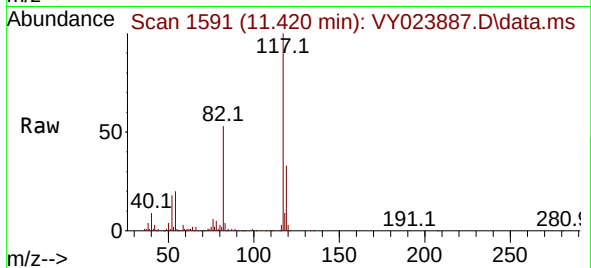
Tgt Ion:117 Resp: 64686

Ion Ratio Lower Upper

117 100

82 52.8 43.1 64.7

119 33.2 26.0 39.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY023887.D

Acq: 04 Dec 2025 12:22

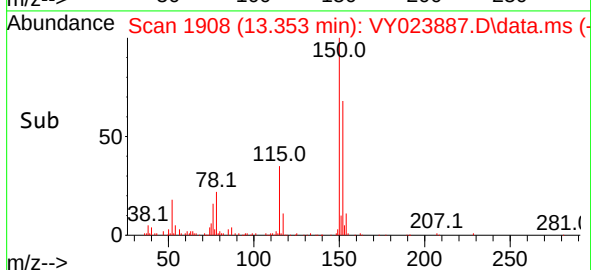
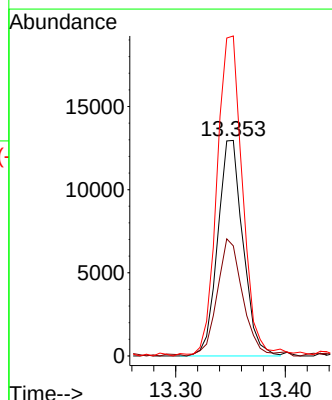
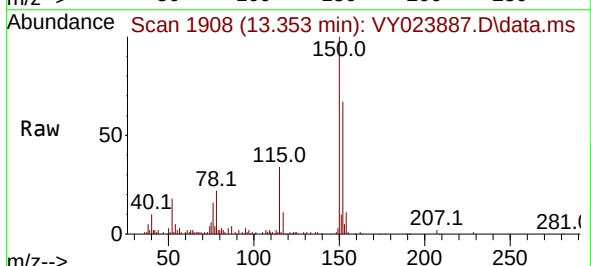
Tgt Ion:152 Resp: 20746

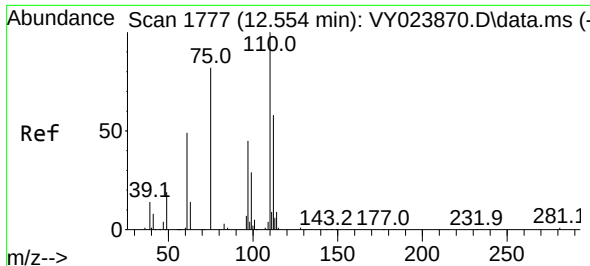
Ion Ratio Lower Upper

152 100

115 55.4 28.8 86.4

150 152.1 0.0 352.2

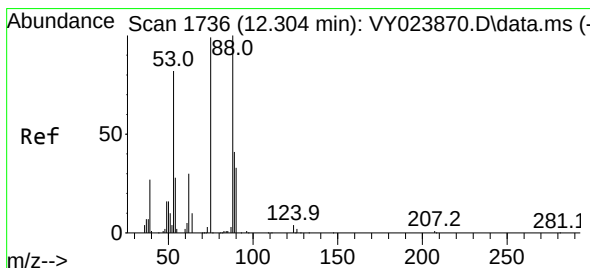
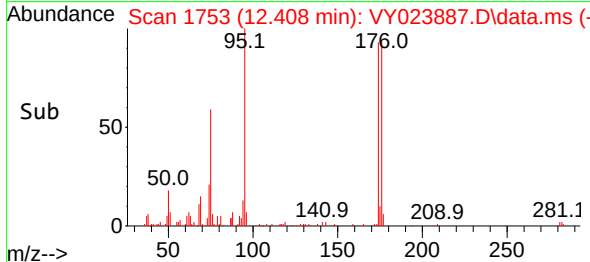
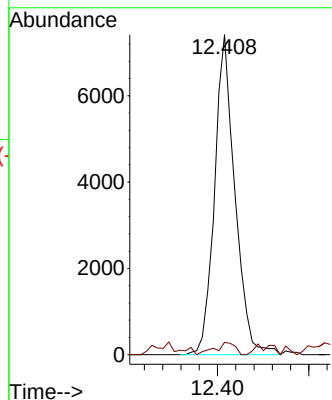
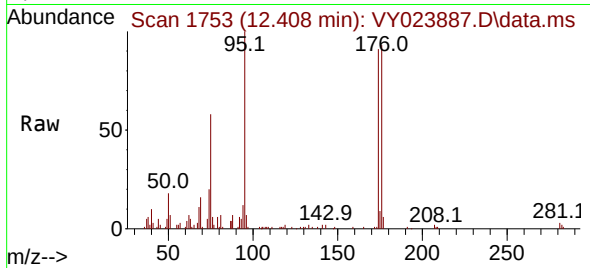




#76
1,2,3-Trichloropropane
Concen: 55.847 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY023887.D
Acq: 04 Dec 2025 12:22

Instrument :
MSVOA_Y
ClientSampleId :
FENCE WC-2-VOCRE

Tgt Ion: 75 Resp: 11486
Ion Ratio Lower Upper
75 100
77 3.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 133.758 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY023887.D
Acq: 04 Dec 2025 12:22

Tgt Ion: 75 Resp: 11486
Ion Ratio Lower Upper
75 100
53 0.2 71.1 106.7#
89 0.0 36.3 54.5#

