

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
 Data File : VY023758.D
 Acq On : 12 Nov 2025 12:51
 Operator : SY/MD
 Sample : Q3582-04
 Misc : 5.19g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT4912RE

Quant Time: Nov 14 03:37:21 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	7.713	168	683380	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1153255	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	678767	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	130554	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	322064	55.249	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.500%
35) Dibromofluoromethane	7.634	113	371562	51.555	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.120%
50) Toluene-d8	10.109	98	1132299	42.176	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	84.360%
62) 4-Bromofluorobenzene	12.408	95	193261	22.260	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	44.520%

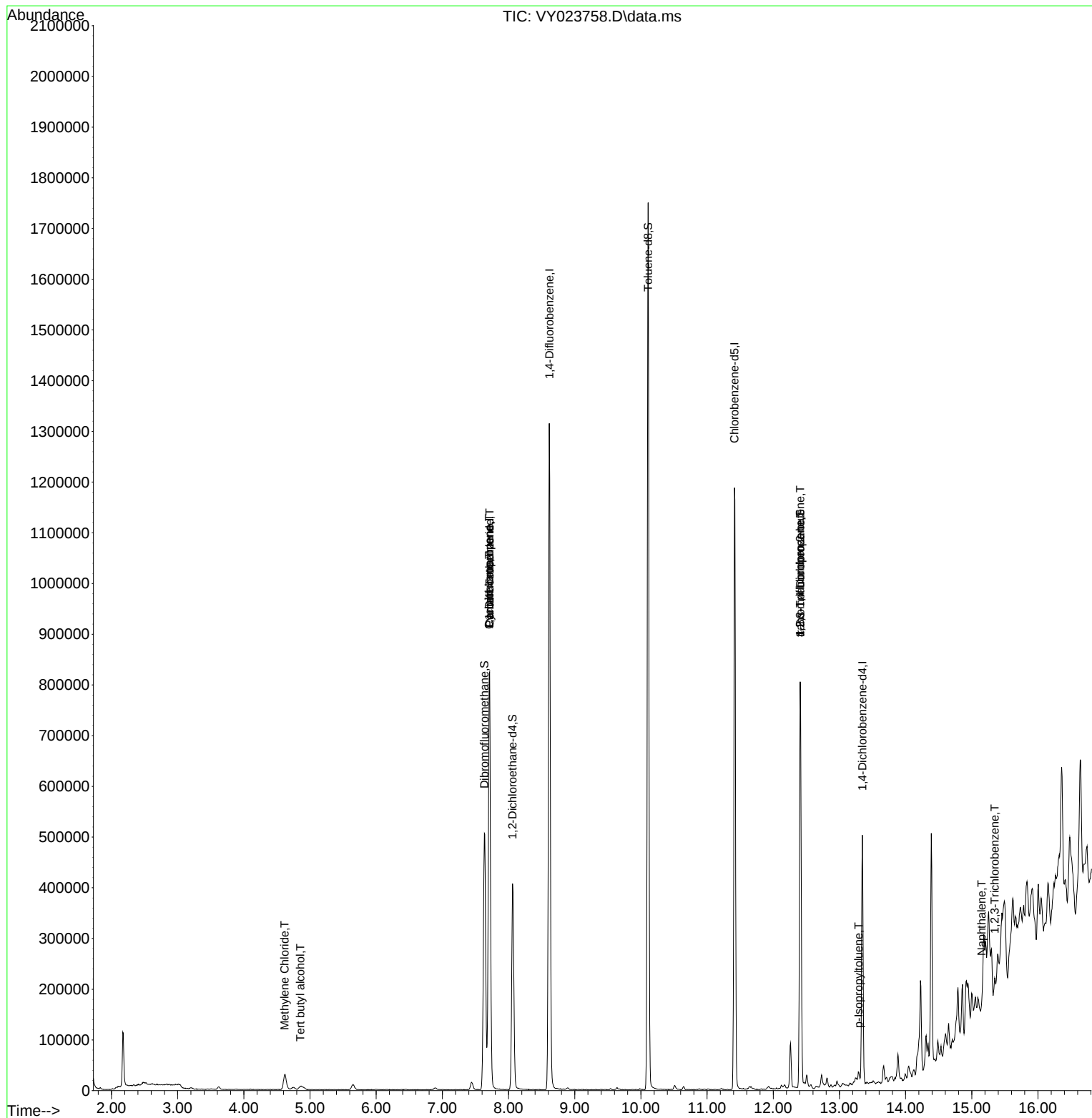
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.854	59	12090	32.165	ug/l #	94
20) Methylene Chloride	4.616	84	23378	3.342	ug/l	99
31) Cyclohexane	7.707	56	11802	1.228	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	45853	4.761	ug/l #	48
38) Carbon Tetrachloride	7.713	117	62724	5.528	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	96364	91.203	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	96364	206.113	ug/l #	15
86) p-Isopropyltoluene	13.292	119	11106	1.408	ug/l #	87
95) Naphthalene	15.151	128	2122	5.756	ug/l #	68
96) 1,2,3-Trichlorobenzene	15.346	180	3103	1.690	ug/l #	34

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

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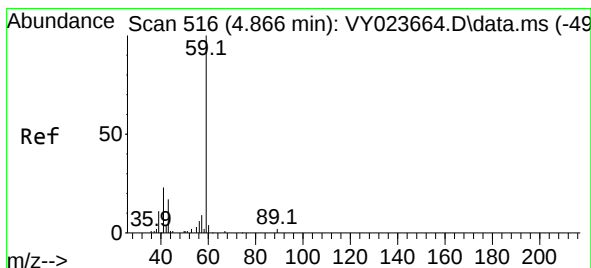
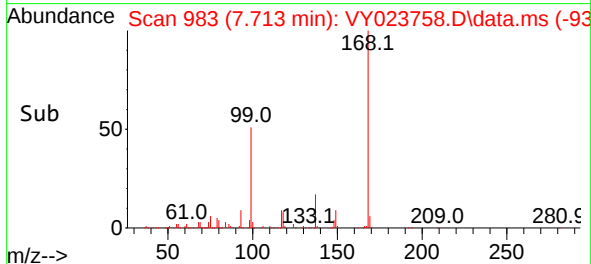
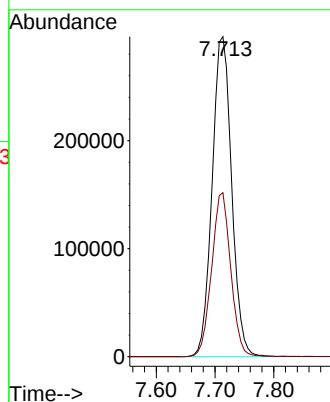
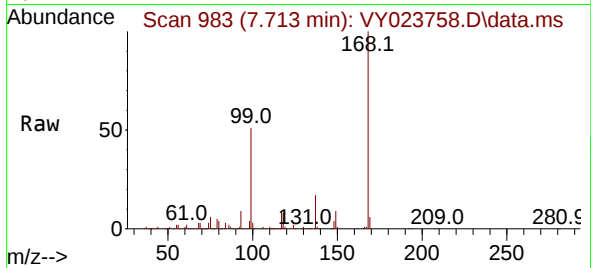




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023758.D
Acq: 12 Nov 2025 12:51

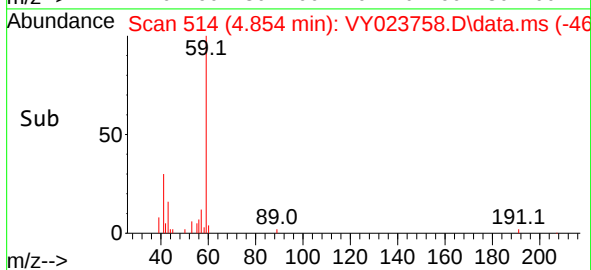
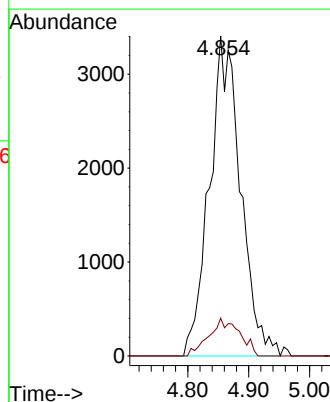
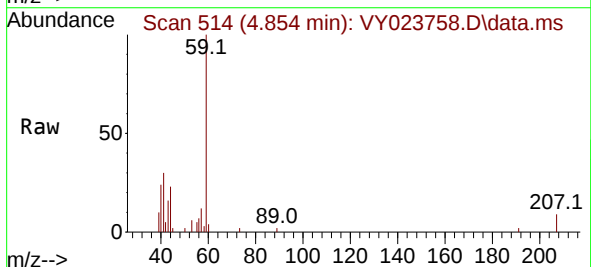
Instrument :
MSVOA_Y
ClientSampleId :
RT4912RE

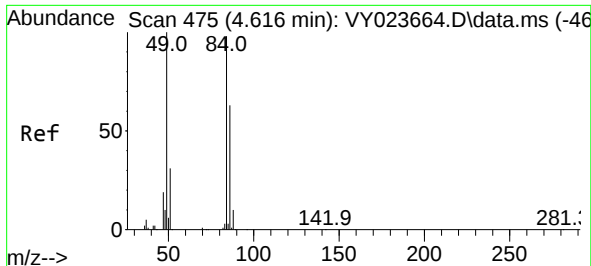
Tgt Ion:168 Resp: 683380
Ion Ratio Lower Upper
168 100
99 51.3 41.0 61.4



#11
Tert butyl alcohol
Concen: 32.165 ug/l
RT: 4.854 min Scan# 514
Delta R.T. -0.012 min
Lab File: VY023758.D
Acq: 12 Nov 2025 12:51

Tgt Ion: 59 Resp: 12090
Ion Ratio Lower Upper
59 100
57 11.6 7.4 11.2#

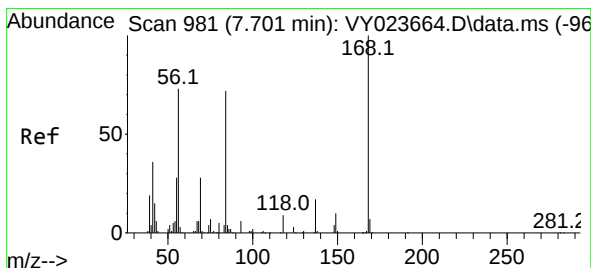
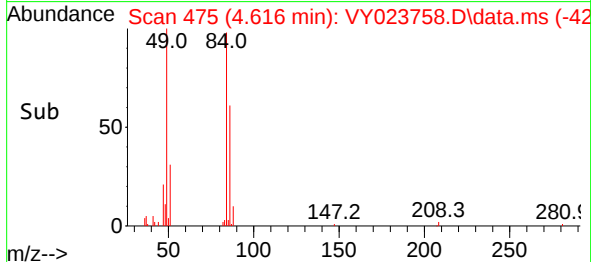
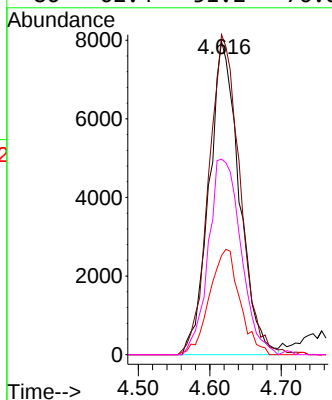
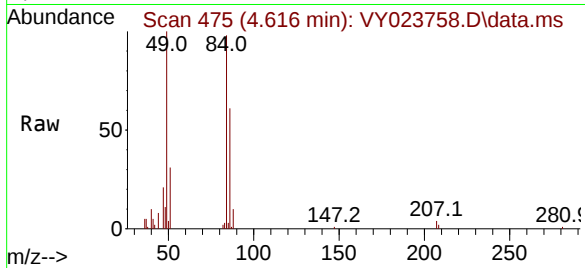




#20
Methylene Chloride
Concen: 3.342 ug/l
RT: 4.616 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY023758.D
Acq: 12 Nov 2025 12:51

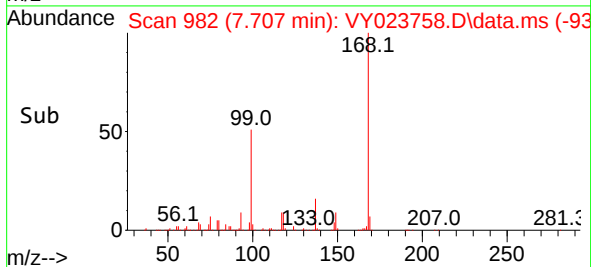
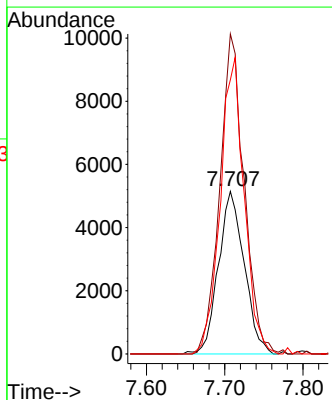
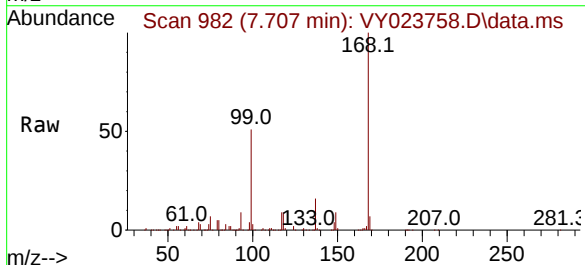
Instrument :
MSVOA_Y
ClientSampleId :
RT4912RE

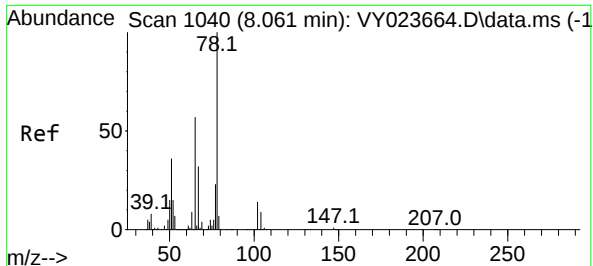
Tgt Ion:	84	Resp:	23378
Ion	Ratio	Lower	Upper
84	100		
49	102.2	81.5	122.3
51	31.7	25.5	38.3
86	62.4	51.2	76.8



#31
Cyclohexane
Concen: 1.228 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023758.D
Acq: 12 Nov 2025 12:51

Tgt Ion:	56	Resp:	11802
Ion	Ratio	Lower	Upper
56	100		
69	196.9	30.5	45.7#
84	168.6	79.0	118.4#





#33

1,2-Dichloroethane-d4

Concen: 55.249 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY023758.D

Acq: 12 Nov 2025 12:51

Instrument :

MSVOA_Y

ClientSampleId :

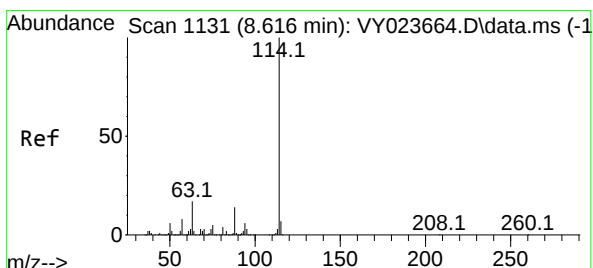
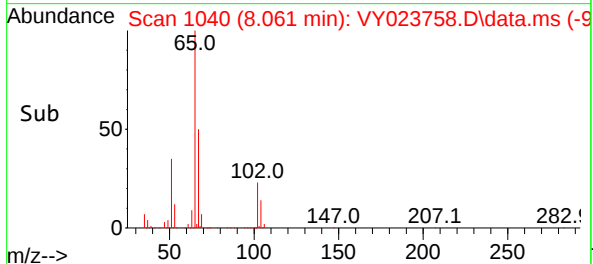
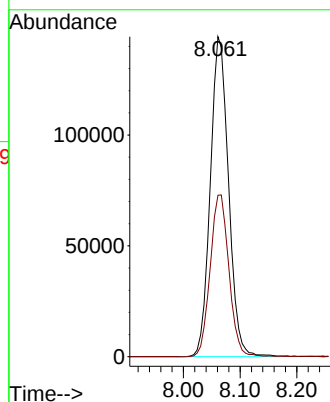
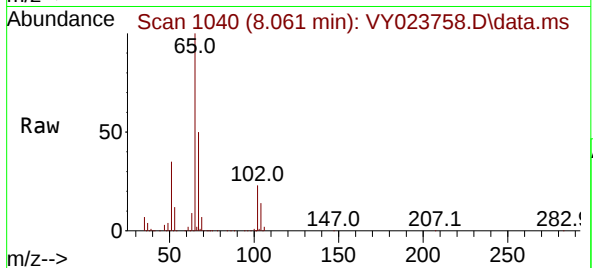
RT4912RE

Tgt Ion: 65 Resp: 322064

Ion Ratio Lower Upper

65 100

67 52.1 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023758.D

Acq: 12 Nov 2025 12:51

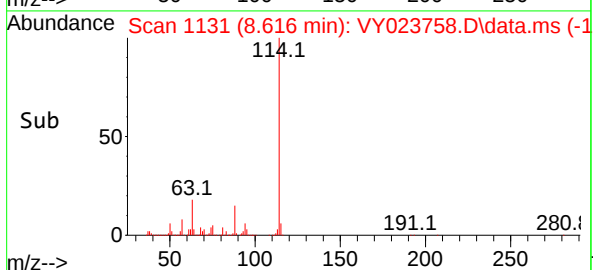
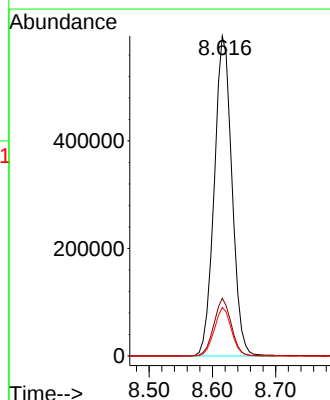
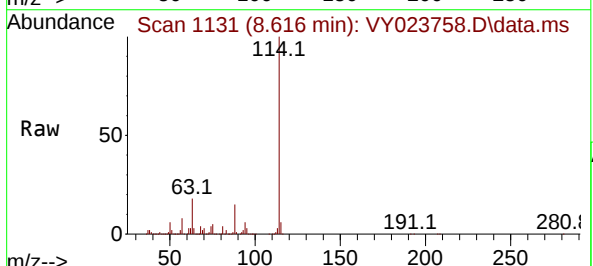
Tgt Ion: 114 Resp: 1153255

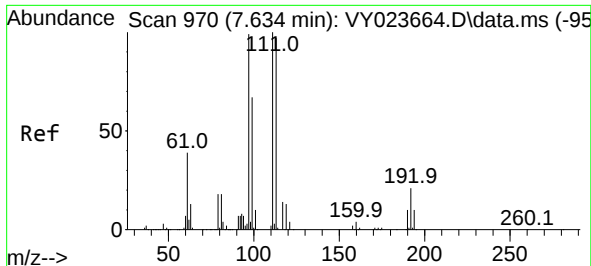
Ion Ratio Lower Upper

114 100

63 18.1 0.0 33.8

88 15.2 0.0 29.0

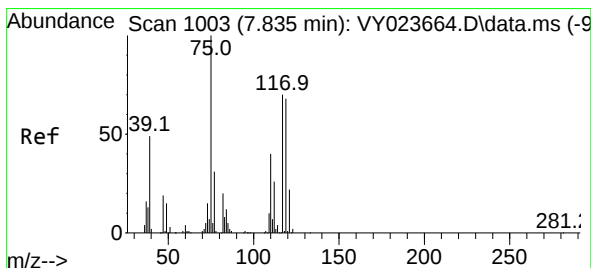
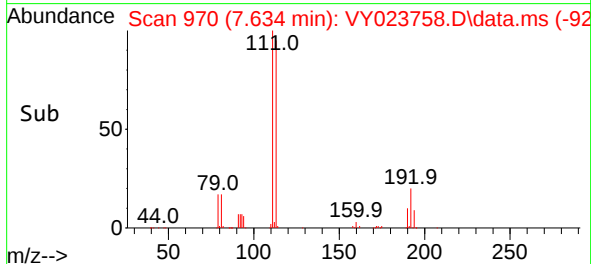
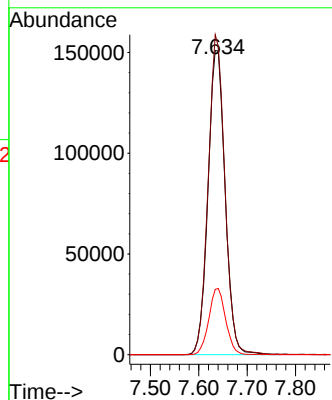
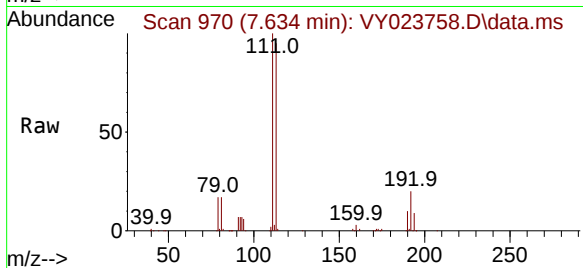




#35
Dibromofluoromethane
Concen: 51.555 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023758.D
Acq: 12 Nov 2025 12:51

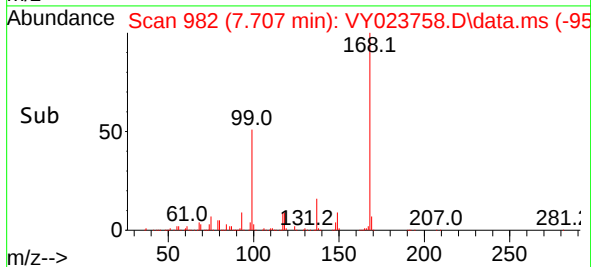
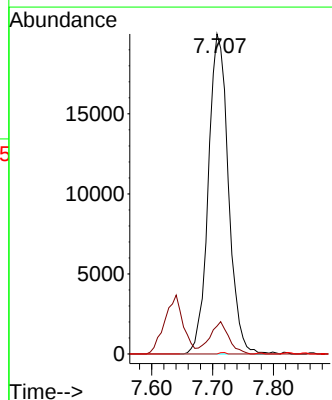
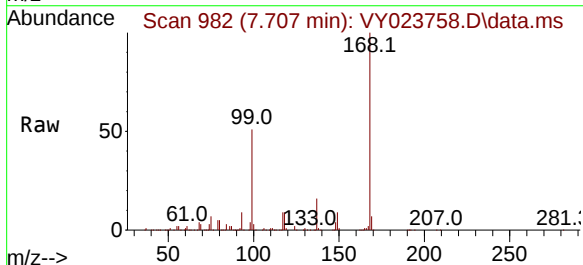
Instrument :
MSVOA_Y
ClientSampleId :
RT4912RE

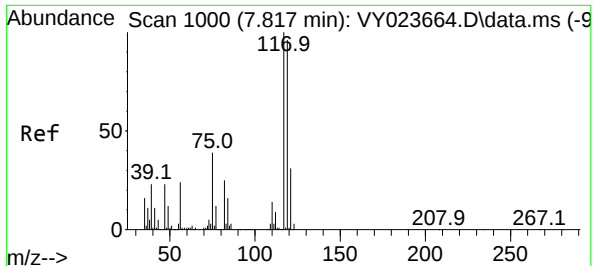
Tgt Ion:113 Resp: 371562
Ion Ratio Lower Upper
113 100
111 102.2 82.2 123.4
192 21.4 17.3 25.9



#36
1,1-Dichloropropene
Concen: 4.761 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY023758.D
Acq: 12 Nov 2025 12:51

Tgt Ion: 75 Resp: 45853
Ion Ratio Lower Upper
75 100
110 9.4 19.7 59.0#
77 0.1 25.2 37.8#

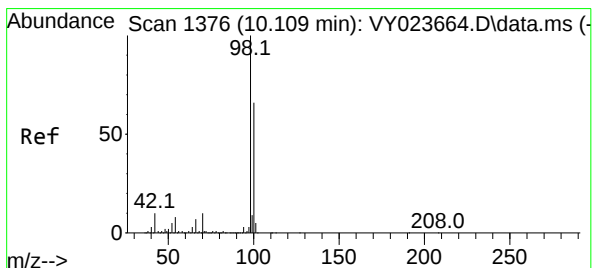
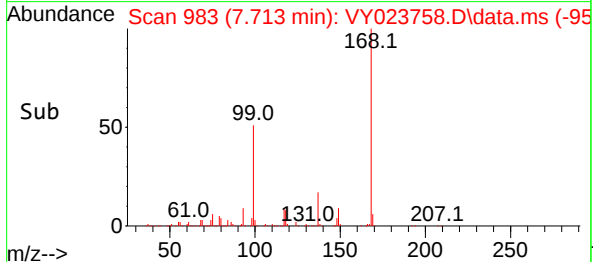
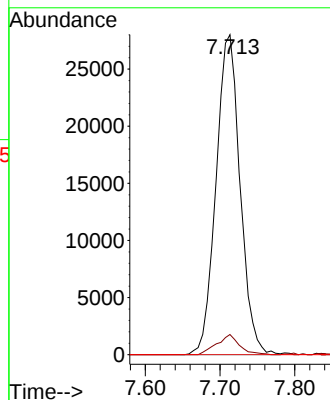
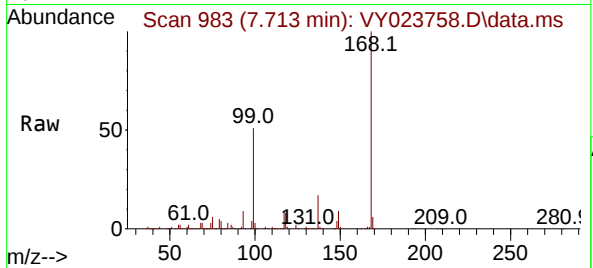




#38
Carbon Tetrachloride
Concen: 5.528 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023758.D
Acq: 12 Nov 2025 12:51

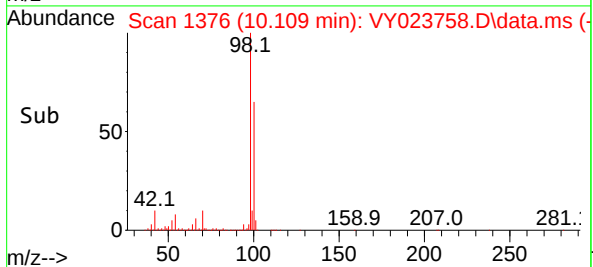
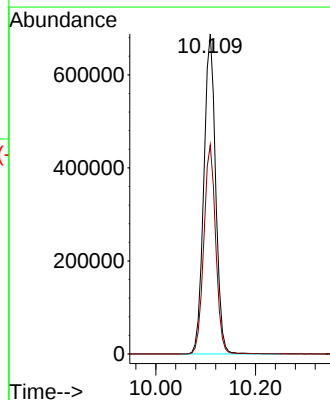
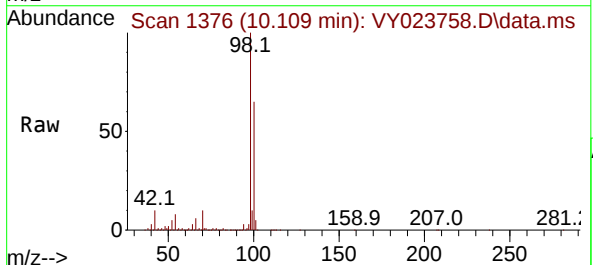
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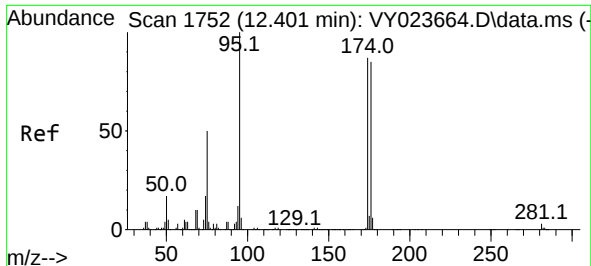
Tgt Ion:117 Resp: 62724
Ion Ratio Lower Upper
117 100
119 6.3 76.3 114.5#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 42.176 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY023758.D
Acq: 12 Nov 2025 12:51

Tgt Ion: 98 Resp: 1132299
Ion Ratio Lower Upper
98 100
100 65.3 52.7 79.1

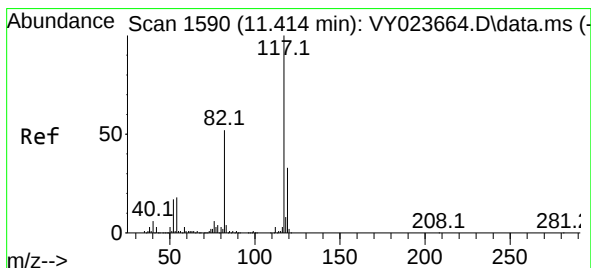
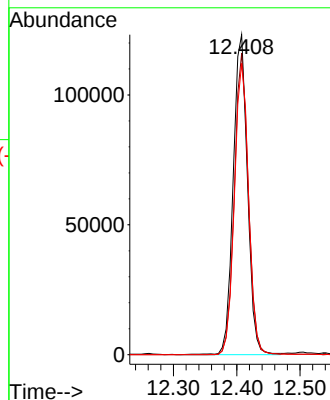
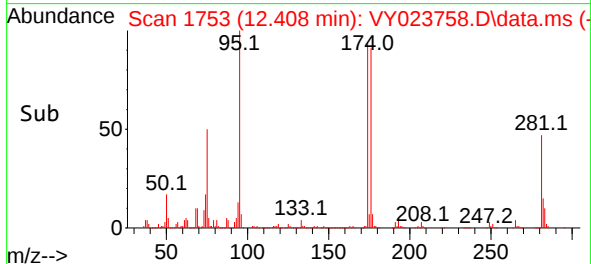
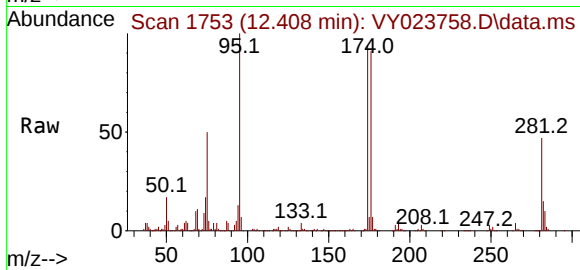




#62
4-Bromofluorobenzene
Concen: 22.260 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023758.D
Acq: 12 Nov 2025 12:51

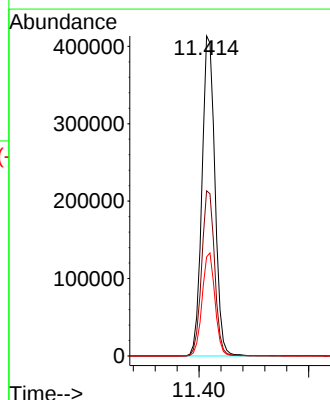
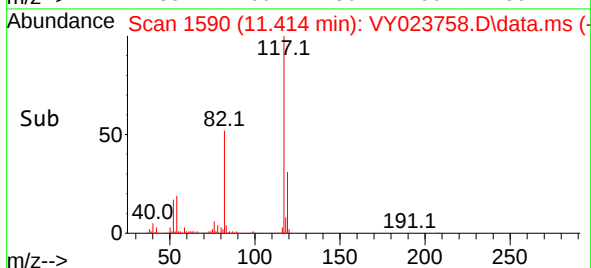
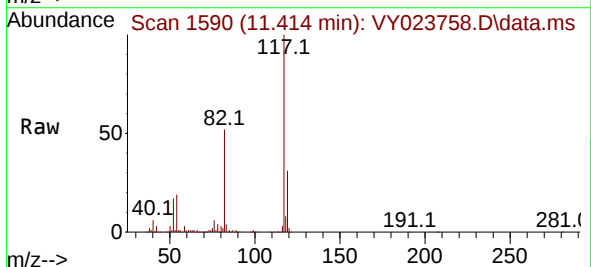
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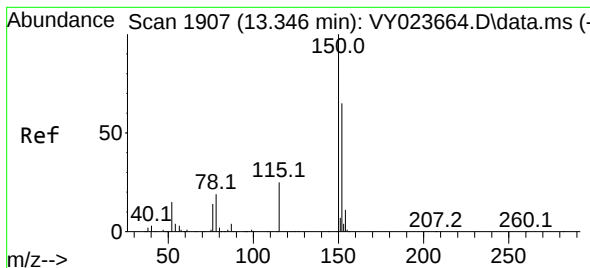
Tgt Ion: 95 Resp: 193261
Ion Ratio Lower Upper
95 100
174 92.8 0.0 184.8
176 90.5 0.0 181.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY023758.D
Acq: 12 Nov 2025 12:51

Tgt Ion: 117 Resp: 678767
Ion Ratio Lower Upper
117 100
82 51.6 41.2 61.8
119 31.0 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: VY023758.D

Acq: 12 Nov 2025 12:51

Instrument :

MSVOA_Y

ClientSampleId :

RT4912RE

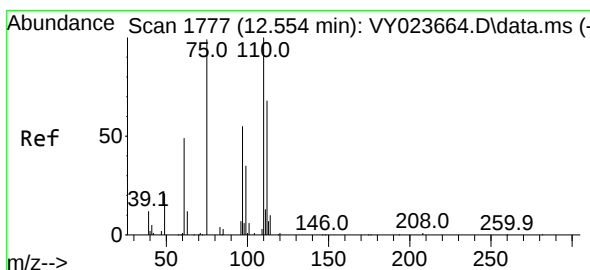
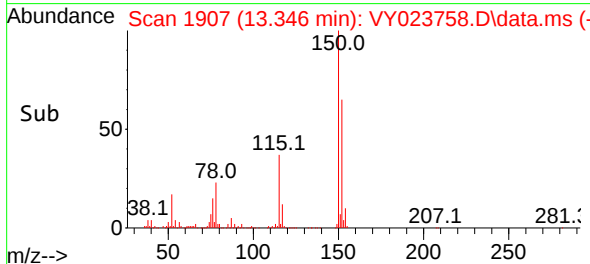
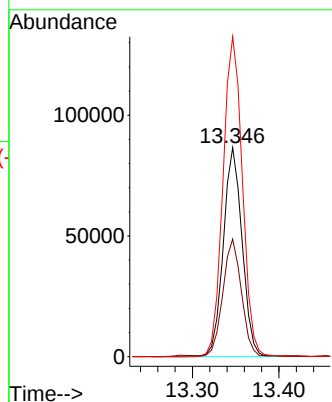
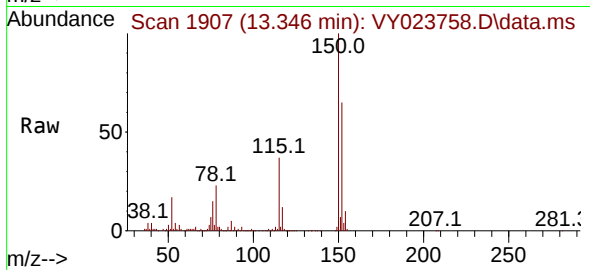
Tgt Ion:152 Resp: 130554

Ion Ratio Lower Upper

152 100

115 55.4 27.5 82.5

150 157.6 0.0 349.0



#76

1,2,3-Trichloropropane

Concen: 91.203 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023758.D

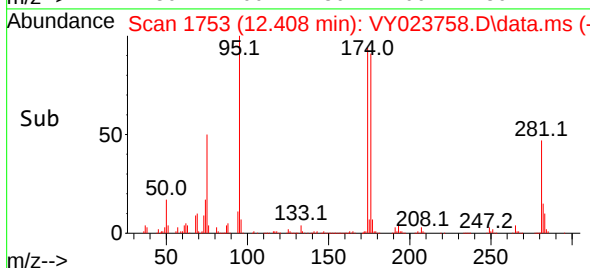
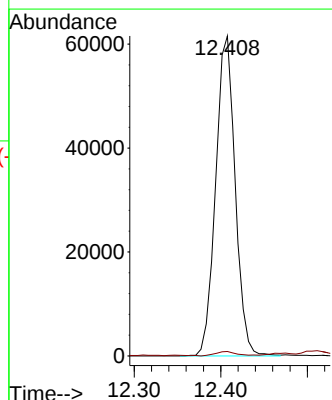
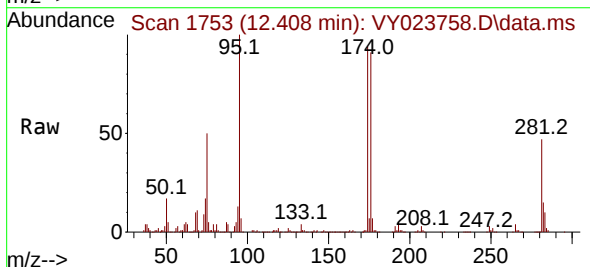
Acq: 12 Nov 2025 12:51

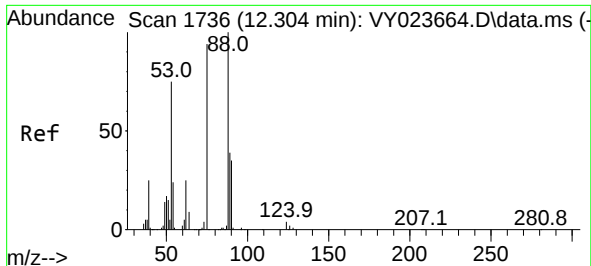
Tgt Ion: 75 Resp: 96364

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#

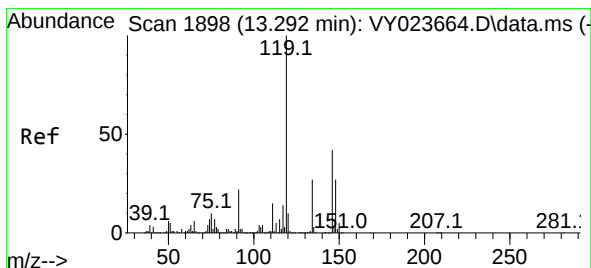
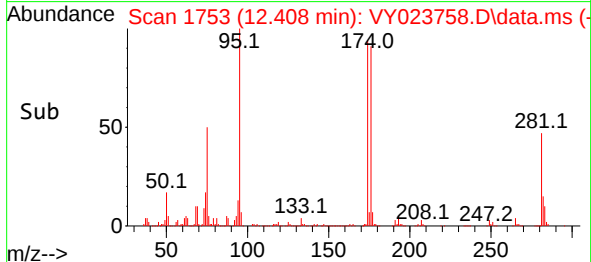
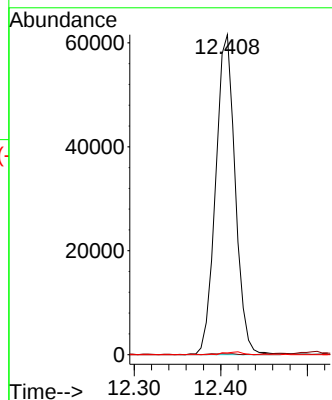
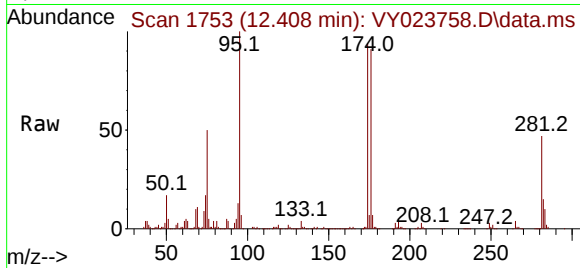




#81
trans-1,4-Dichloro-2-butene
Concen: 206.113 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY023758.D
Acq: 12 Nov 2025 12:51

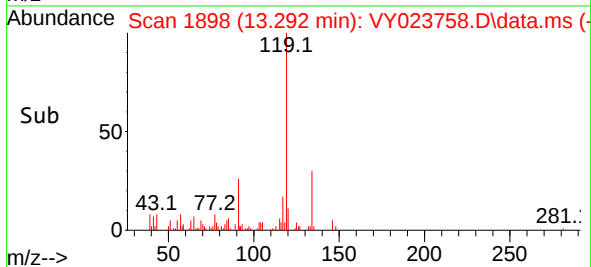
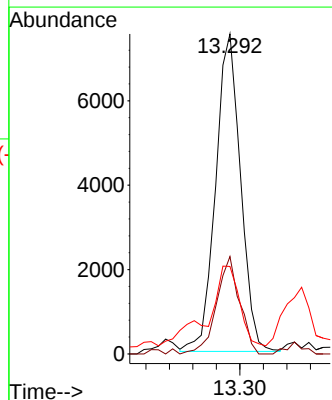
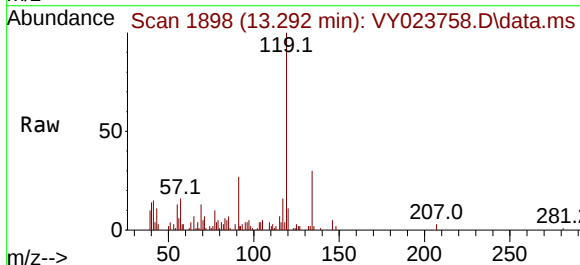
Instrument :
MSVOA_Y
ClientSampleId :
RT4912RE

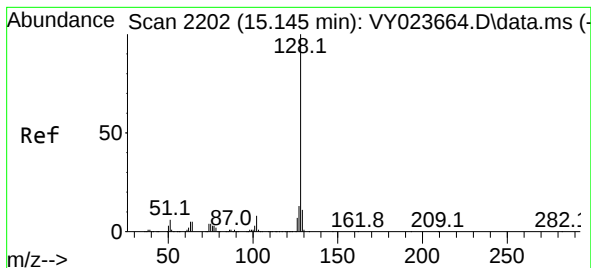
Tgt Ion: 75 Resp: 96364
Ion Ratio Lower Upper
75 100
53 0.4 69.6 104.4#
89 0.8 38.2 57.4#



#86
p-Isopropyltoluene
Concen: 1.408 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY023758.D
Acq: 12 Nov 2025 12:51

Tgt Ion: 119 Resp: 11106
Ion Ratio Lower Upper
119 100
134 28.3 13.4 40.2
91 34.4 11.1 33.1#





#95

Naphthalene

Concen: 5.756 ug/l

RT: 15.151 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY023758.D

Acq: 12 Nov 2025 12:51

Instrument :

MSVOA_Y

ClientSampleId :

RT4912RE

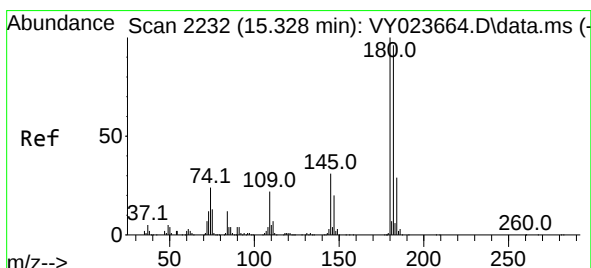
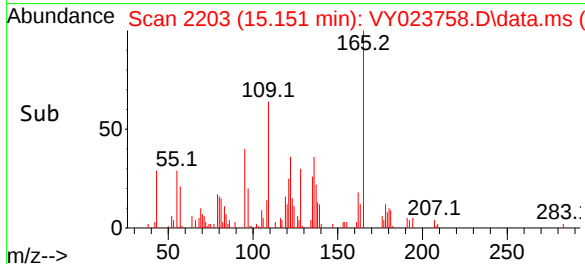
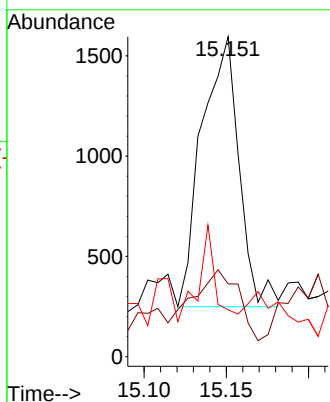
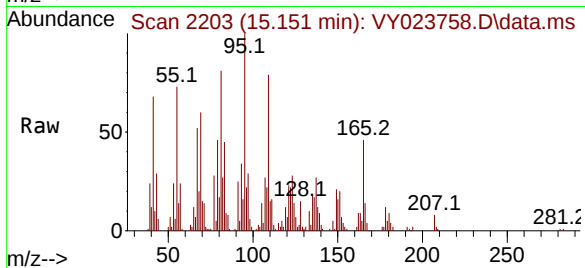
Tgt Ion:128 Resp: 2122

Ion Ratio Lower Upper

128 100

127 32.4 10.5 15.7#

129 15.8 8.8 13.2#



#96

1,2,3-Trichlorobenzene

Concen: 1.690 ug/l

RT: 15.346 min Scan# 2235

Delta R.T. 0.018 min

Lab File: VY023758.D

Acq: 12 Nov 2025 12:51

Tgt Ion:180 Resp: 3103

Ion Ratio Lower Upper

180 100

182 28.0 47.5 142.6#

145 0.0 15.5 46.5#

