

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
 Data File : VY022320.D
 Acq On : 19 May 2025 15:46
 Operator : SY/MD
 Sample : Q2062-23
 Misc : 5.77g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 L1-WC-6-VOC

Quant Time: May 20 01:15:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

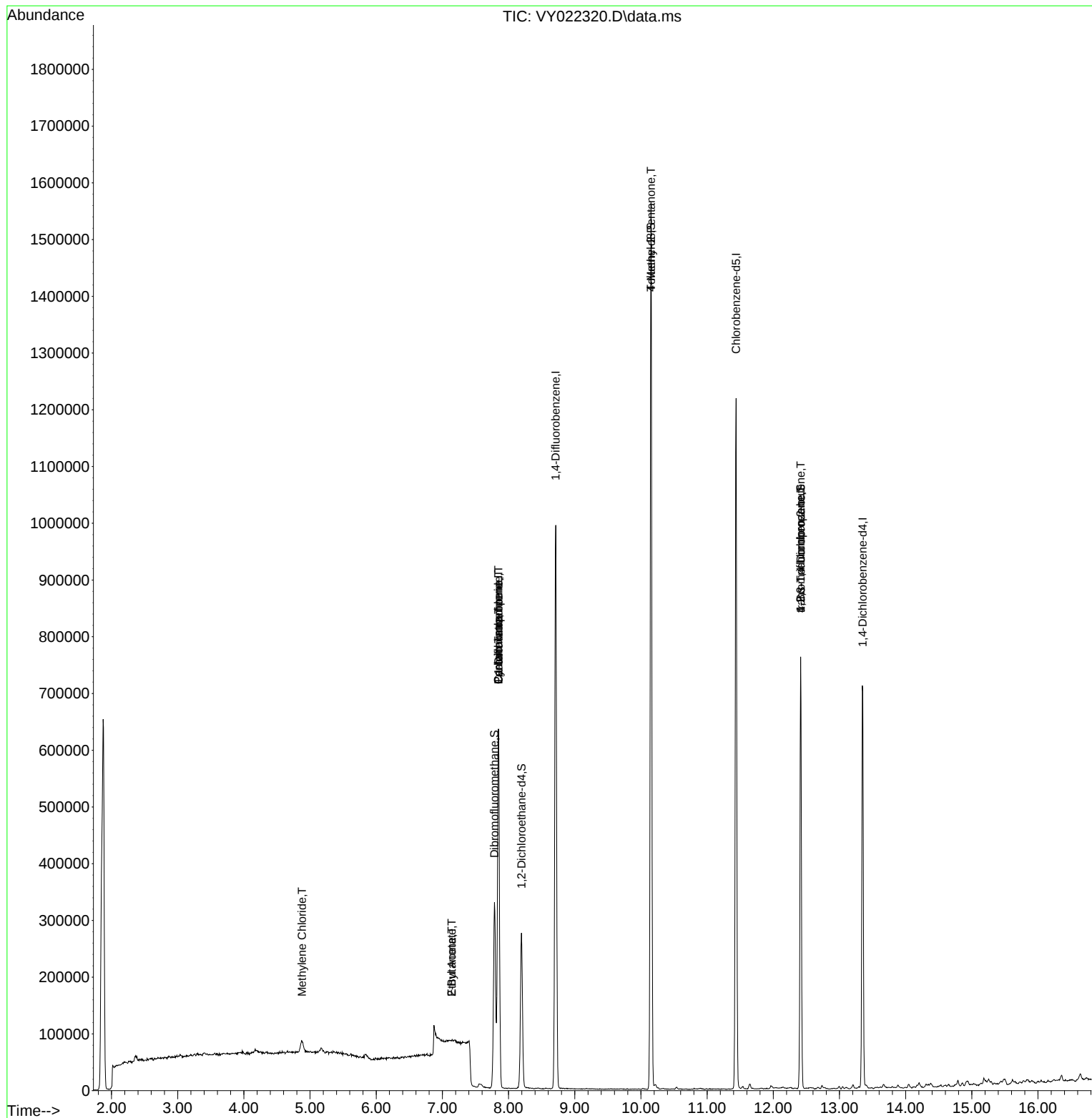
Internal Standards						
1) Pentafluorobenzene	7.847	168	440192	50.000	ug/l	0.14
34) 1,4-Difluorobenzene	8.713	114	774677	50.000	ug/l	0.10
63) Chlorobenzene-d5	11.438	117	579431	50.000	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.352	152	165145	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.195	65	191459	39.797	ug/l	0.13
Spiked Amount	50.000	Range	50 - 163	Recovery	=	79.600%
35) Dibromofluoromethane	7.786	113	213377	46.148	ug/l	0.15
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.300%
50) Toluene-d8	10.152	98	924852	48.839	ug/l	0.05
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.680%
62) 4-Bromofluorobenzene	12.413	95	203641	33.927	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	67.860%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.878	84	17076	2.930	ug/l #	79
25) 2-Butanone	7.140	43	7787	5.161	ug/l #	64
31) Cyclohexane	7.847	56	12385	1.273	ug/l #	26
36) 1,1-Dichloropropene	7.847	75	37962	4.985	ug/l #	51
37) Ethyl Acetate	7.140	43	7787	2.125	ug/l #	80
38) Carbon Tetrachloride	7.847	117	45804	5.810	ug/l #	17
51) 4-Methyl-2-Pentanone	10.152	43	5330	1.359	ug/l #	1
76) 1,2,3-Trichloropropane	12.413	75	121241	72.465	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.413	75	121241	146.796	ug/l #	12

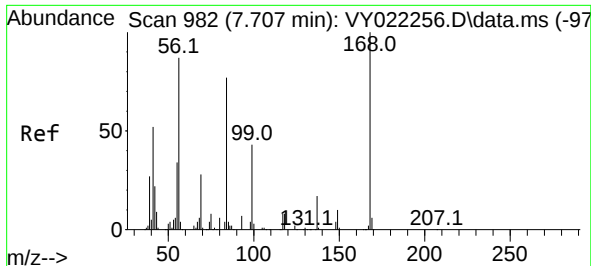
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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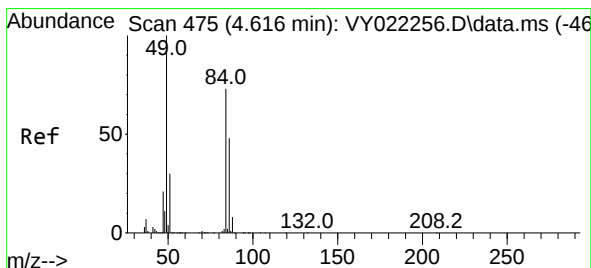
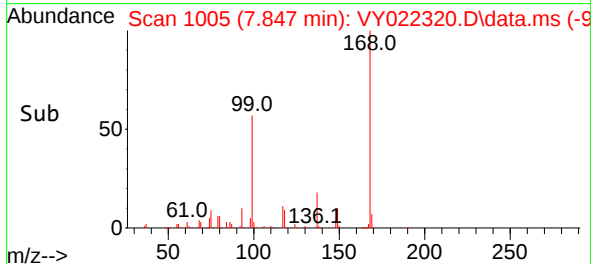
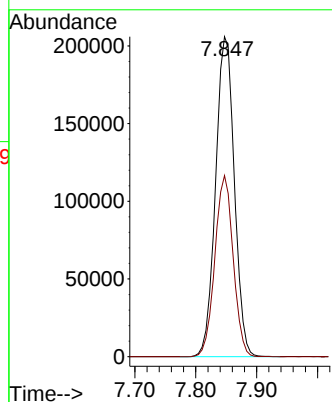
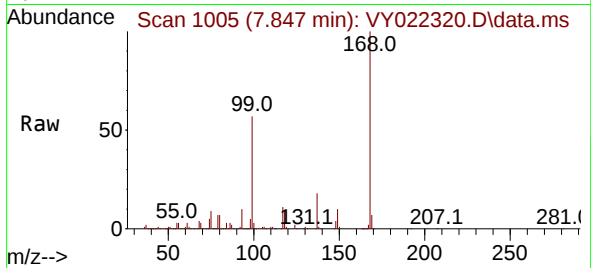




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.847 min Scan# 1005
Delta R.T. 0.140 min
Lab File: VY022320.D
Acq: 19 May 2025 15:46

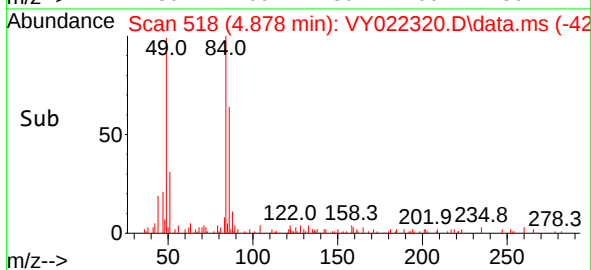
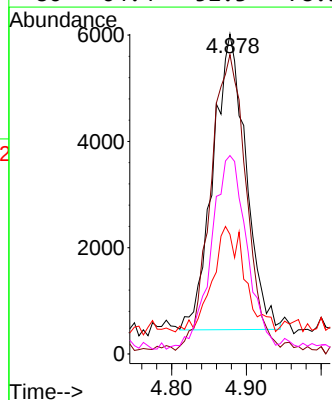
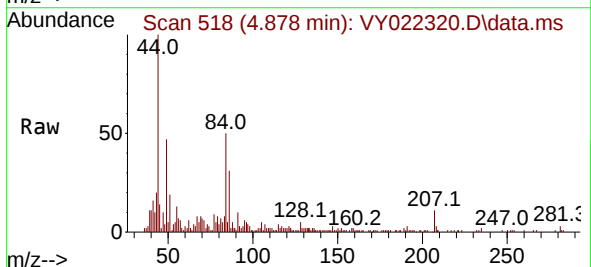
Instrument :
MSVOA_Y
ClientSampleId :
L1-WC-6-VOC

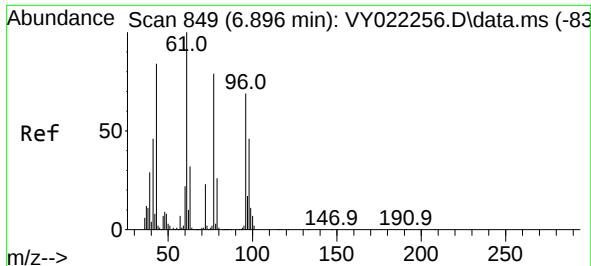
Tgt Ion:168 Resp: 440192
Ion Ratio Lower Upper
168 100
99 56.6 44.2 66.4



#20
Methylene Chloride
Concen: 2.930 ug/l
RT: 4.878 min Scan# 518
Delta R.T. 0.262 min
Lab File: VY022320.D
Acq: 19 May 2025 15:46

Tgt Ion: 84 Resp: 17076
Ion Ratio Lower Upper
84 100
49 99.0 109.6 164.4#
51 31.3 32.4 48.6#
86 64.4 52.3 78.5

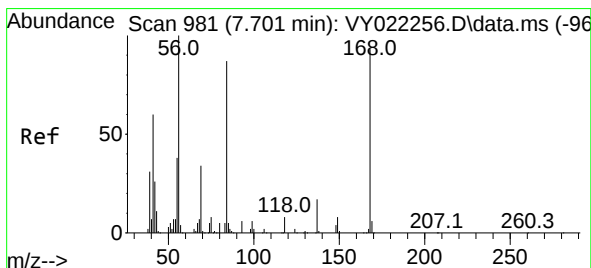
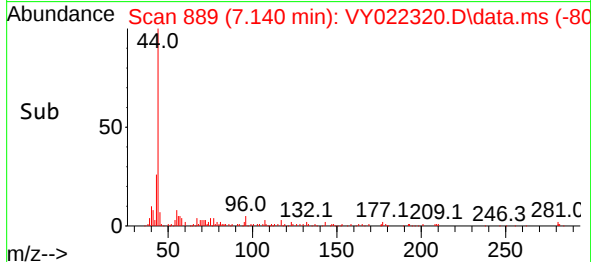
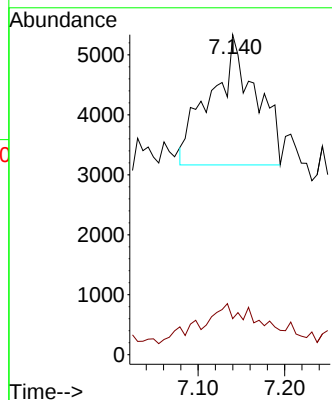
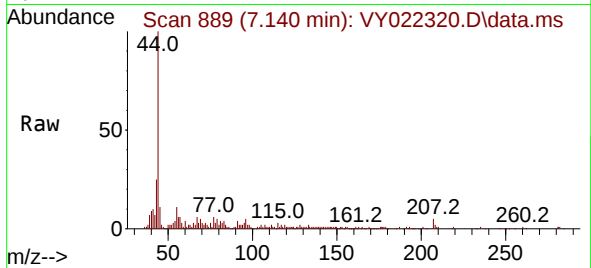




#25
2-Butanone
Concen: 5.161 ug/l
RT: 7.140 min Scan# 849
Delta R.T. 0.244 min
Lab File: VY022320.D
Acq: 19 May 2025 15:46

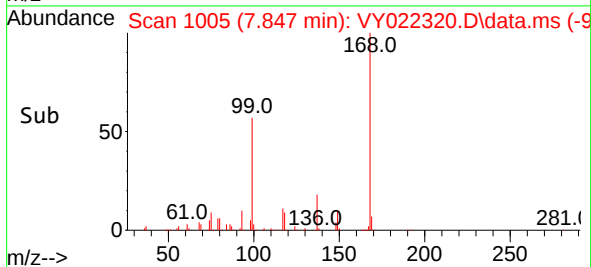
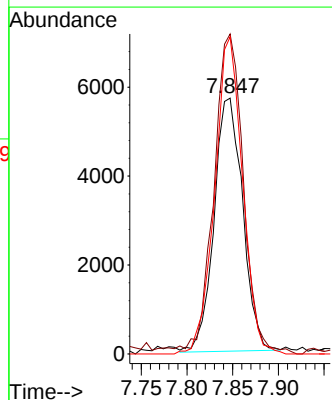
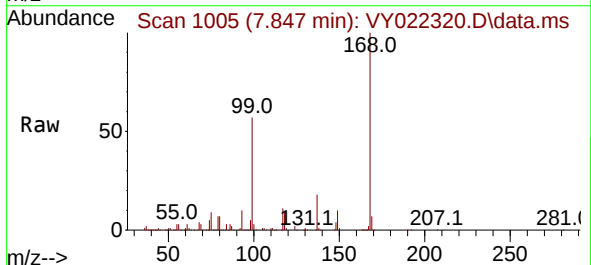
Instrument :
MSVOA_Y
ClientSampleId :
L1-WC-6-VOC

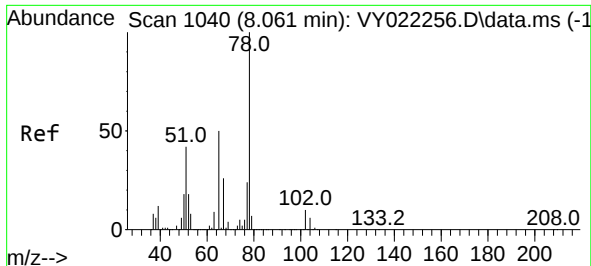
Tgt Ion: 43 Resp: 7787
Ion Ratio Lower Upper
43 100
72 8.9 22.1 33.1#



#31
Cyclohexane
Concen: 1.273 ug/l
RT: 7.847 min Scan# 1005
Delta R.T. 0.146 min
Lab File: VY022320.D
Acq: 19 May 2025 15:46

Tgt Ion: 56 Resp: 12385
Ion Ratio Lower Upper
56 100
69 125.3 27.4 41.2#
84 125.0 70.0 105.0#





#33

1,2-Dichloroethane-d4

Concen: 39.797 ug/l

RT: 8.195 min Scan# 110

Delta R.T. 0.134 min

Lab File: VY022320.D

Acq: 19 May 2025 15:46

Instrument :

MSVOA_Y

ClientSampleId :

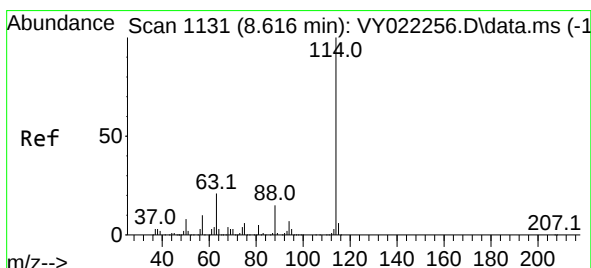
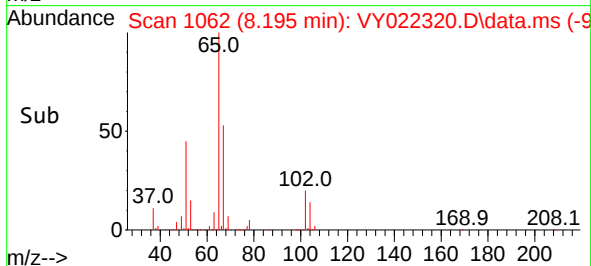
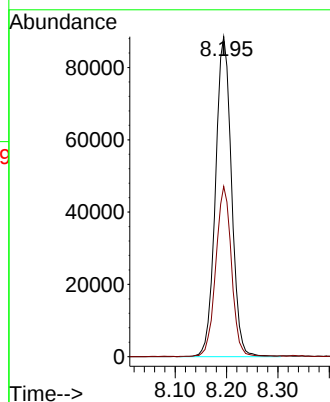
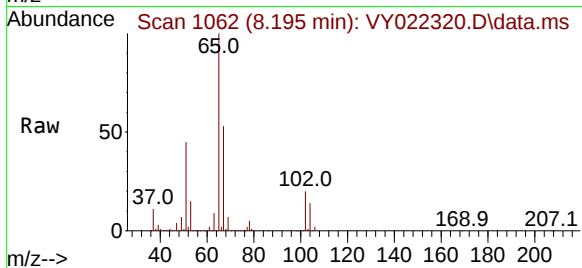
L1-WC-6-VOC

Tgt Ion: 65 Resp: 191459

Ion Ratio Lower Upper

65 100

67 52.2 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.713 min Scan# 1147

Delta R.T. 0.097 min

Lab File: VY022320.D

Acq: 19 May 2025 15:46

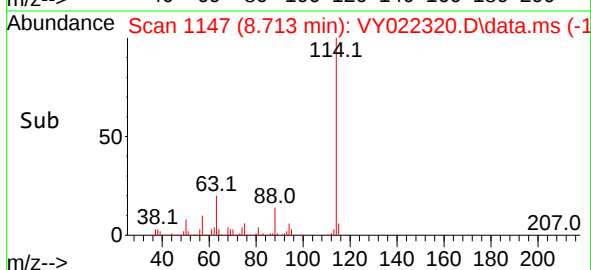
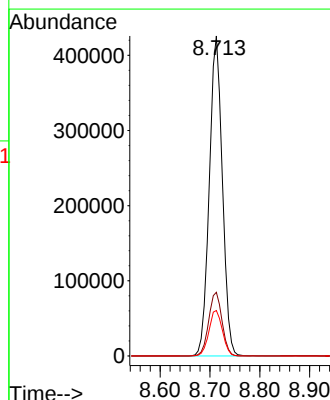
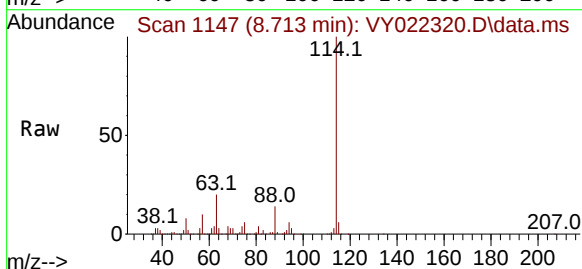
Tgt Ion: 114 Resp: 774677

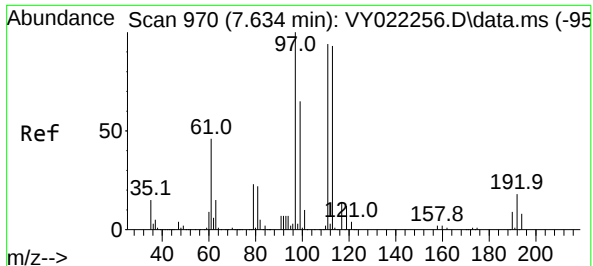
Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.0

88 14.2 0.0 29.4

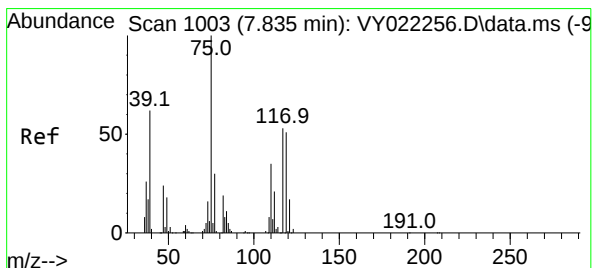
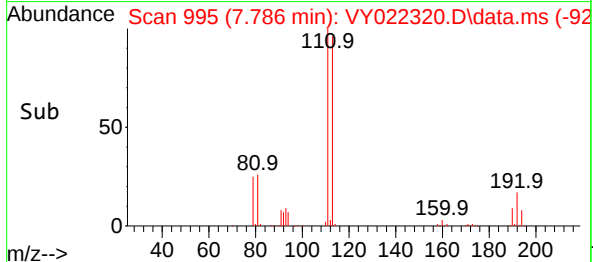
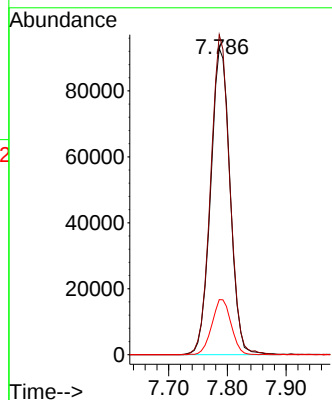
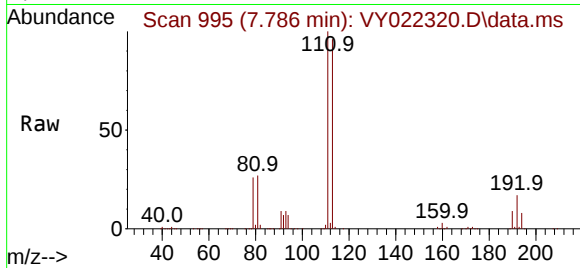




#35
Dibromofluoromethane
Concen: 46.148 ug/l
RT: 7.786 min Scan# 91
Delta R.T. 0.152 min
Lab File: VY022320.D
Acq: 19 May 2025 15:46

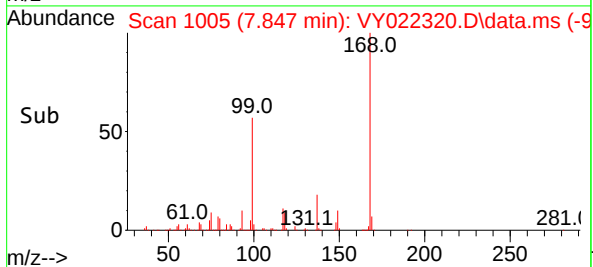
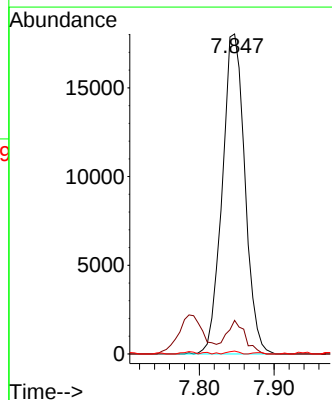
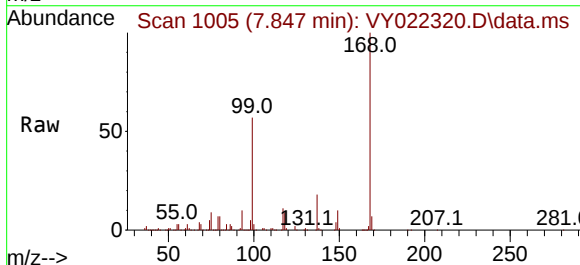
Instrument :
MSVOA_Y
ClientSampleId :
L1-WC-6-VOC

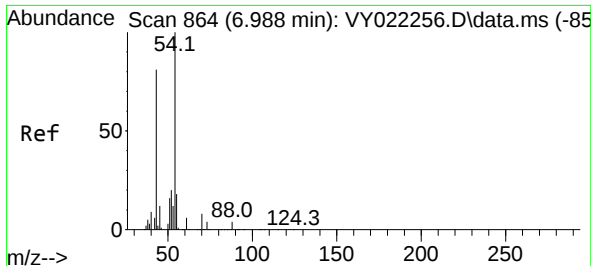
Tgt Ion:113 Resp: 213377
Ion Ratio Lower Upper
113 100
111 102.7 82.6 123.8
192 17.8 15.2 22.8



#36
1,1-Dichloropropene
Concen: 4.985 ug/l
RT: 7.847 min Scan# 1005
Delta R.T. 0.012 min
Lab File: VY022320.D
Acq: 19 May 2025 15:46

Tgt Ion: 75 Resp: 37962
Ion Ratio Lower Upper
75 100
110 8.8 16.6 49.8#
77 0.5 24.6 37.0#





#37

Ethyl Acetate

Concen: 2.125 ug/l

RT: 7.140 min Scan# 81

Delta R.T. 0.152 min

Lab File: VY022320.D

Acq: 19 May 2025 15:46

Instrument :

MSVOA_Y

ClientSampleId :

L1-WC-6-VOC

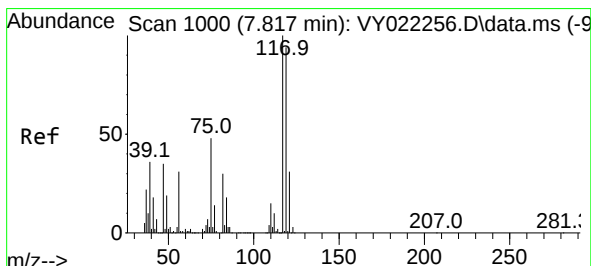
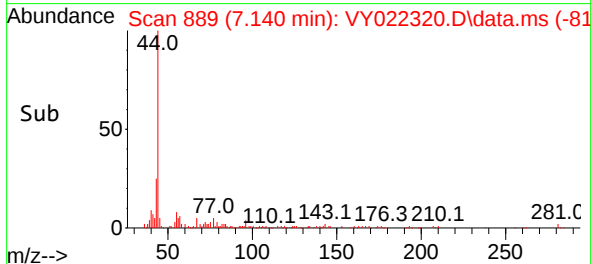
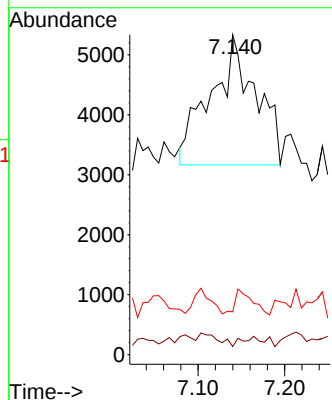
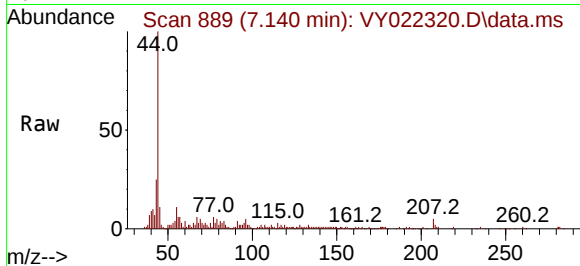
Tgt Ion: 43 Resp: 7787

Ion Ratio Lower Upper

43 100

61 0.0 10.2 15.2#

70 8.5 7.6 11.4



#38

Carbon Tetrachloride

Concen: 5.810 ug/l

RT: 7.847 min Scan# 1005

Delta R.T. 0.030 min

Lab File: VY022320.D

Acq: 19 May 2025 15:46

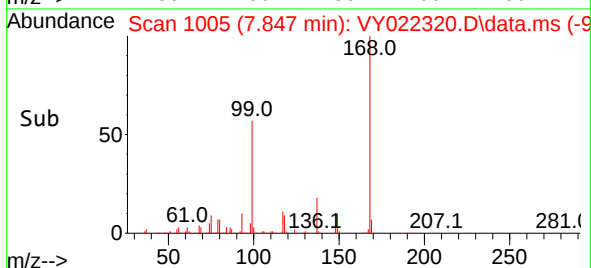
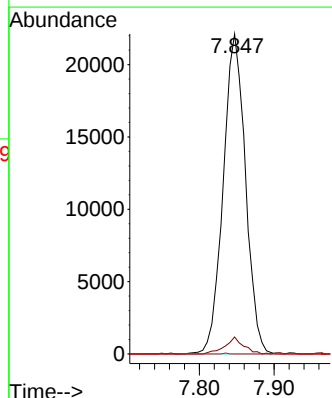
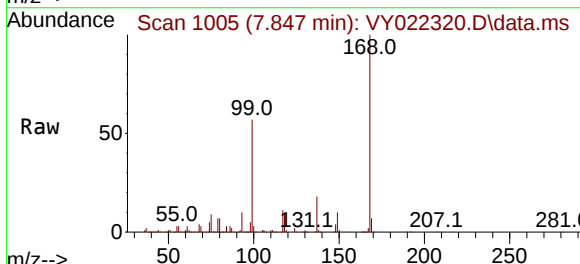
Tgt Ion: 117 Resp: 45804

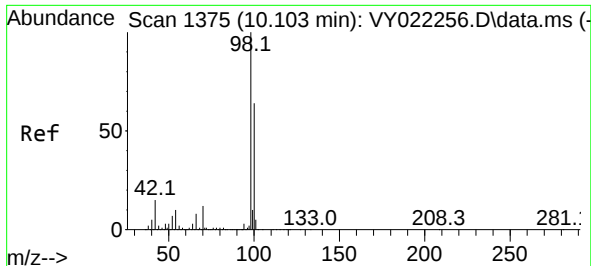
Ion Ratio Lower Upper

117 100

119 5.3 75.3 112.9#

121 0.0 24.7 37.1#

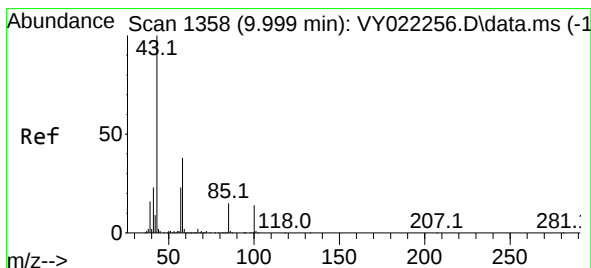
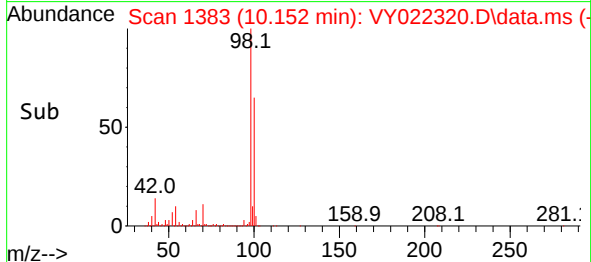
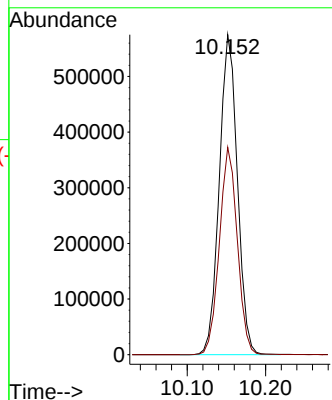
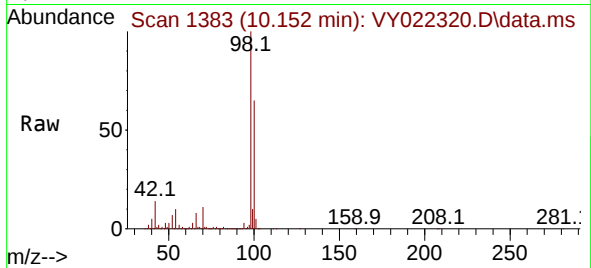




#50
Toluene-d8
Concen: 48.839 ug/l
RT: 10.152 min Scan# 1383
Delta R.T. 0.048 min
Lab File: VY022320.D
Acq: 19 May 2025 15:46

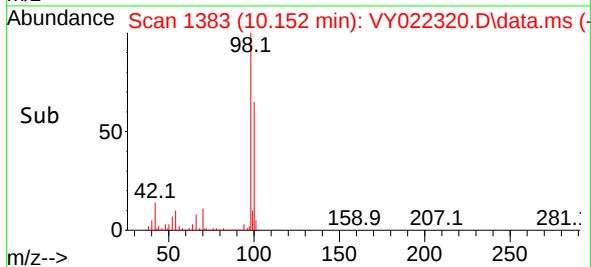
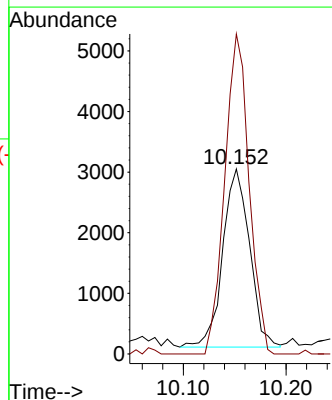
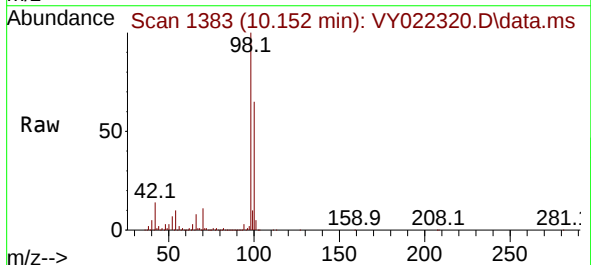
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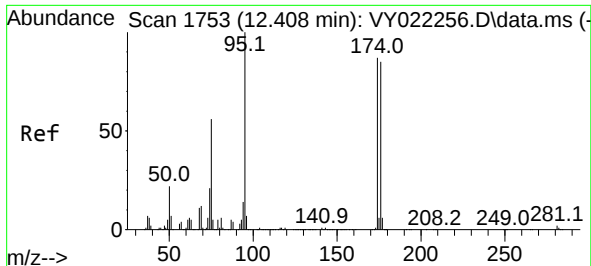
Tgt Ion: 98 Resp: 924852
Ion Ratio Lower Upper
98 100
100 64.3 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 1.359 ug/l
RT: 10.152 min Scan# 1383
Delta R.T. 0.152 min
Lab File: VY022320.D
Acq: 19 May 2025 15:46

Tgt Ion: 43 Resp: 5330
Ion Ratio Lower Upper
43 100
58 163.4 29.4 44.2#

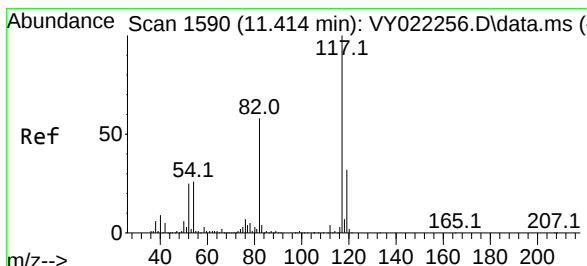
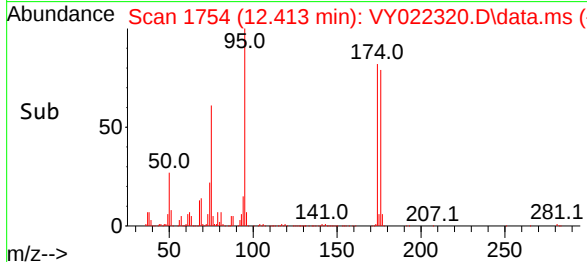
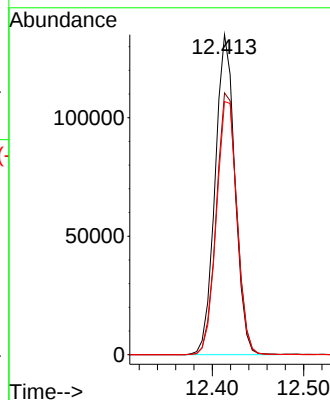
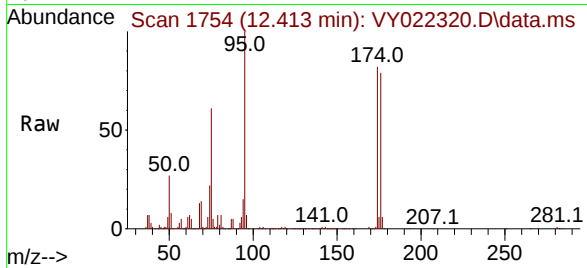




#62
4-Bromofluorobenzene
Concen: 33.927 ug/l
RT: 12.413 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY022320.D
Acq: 19 May 2025 15:46

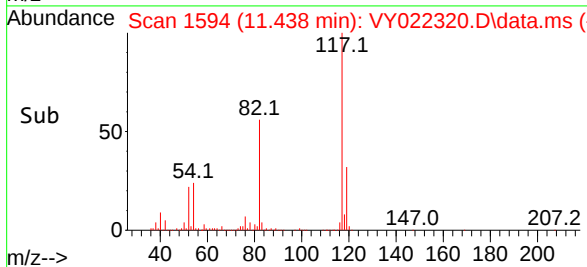
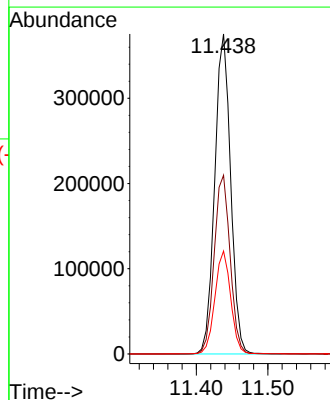
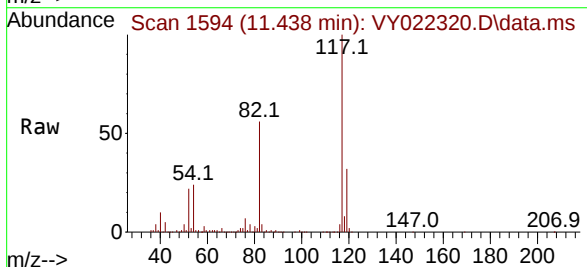
Instrument :
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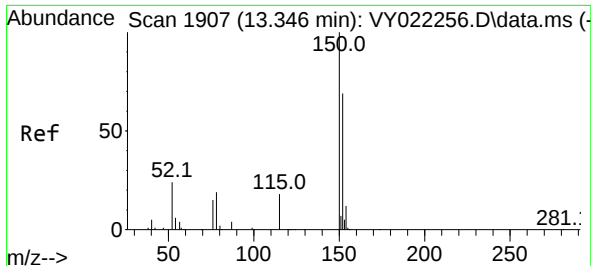
Tgt Ion: 95 Resp: 203641
Ion Ratio Lower Upper
95 100
174 84.7 0.0 166.8
176 82.3 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.438 min Scan# 1594
Delta R.T. 0.024 min
Lab File: VY022320.D
Acq: 19 May 2025 15:46

Tgt Ion: 117 Resp: 579431
Ion Ratio Lower Upper
117 100
82 55.9 46.6 70.0
119 32.1 25.8 38.6

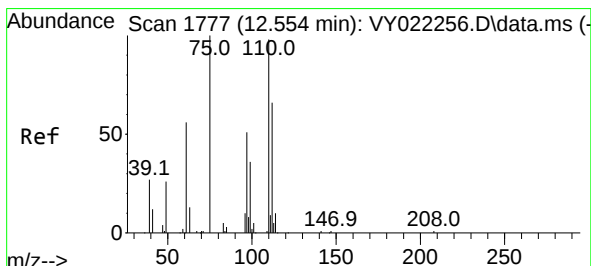
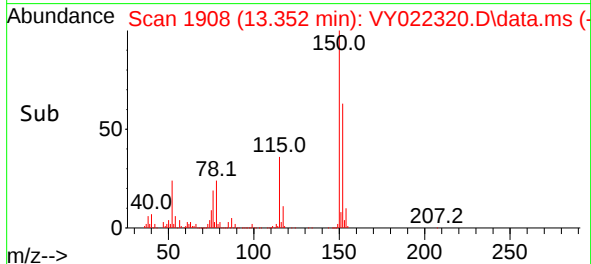
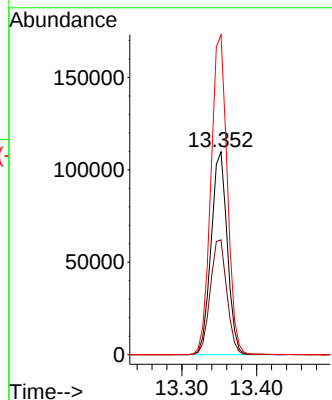
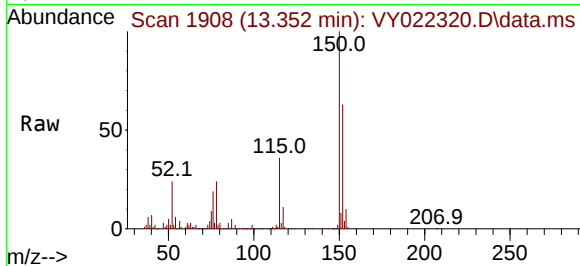




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022320.D
Acq: 19 May 2025 15:46

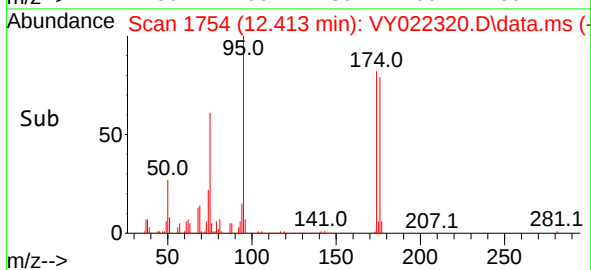
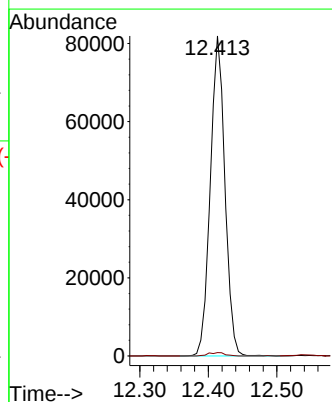
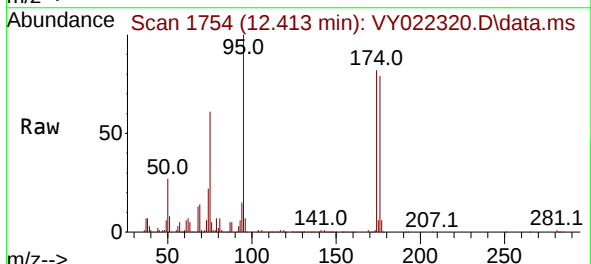
Instrument :
MSVOA_Y
ClientSampleId :
L1-WC-6-VOC

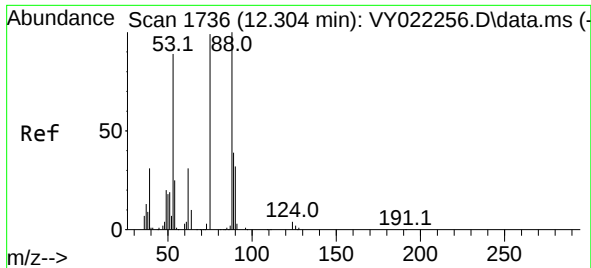
Tgt Ion:152 Resp: 165145
Ion Ratio Lower Upper
152 100
115 58.1 29.4 88.2
150 159.6 0.0 353.8



#76
1,2,3-Trichloropropane
Concen: 72.465 ug/l
RT: 12.413 min Scan# 1754
Delta R.T. -0.141 min
Lab File: VY022320.D
Acq: 19 May 2025 15:46

Tgt Ion: 75 Resp: 121241
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 146.796 ug/l
 RT: 12.413 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY022320.D
 Acq: 19 May 2025 15:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 L1-WC-6-VOC

Tgt Ion: 75 Resp: 121241
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.8 113.8#
 89 0.0 36.2 54.2#

