

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
 Data File : VY022111.D
 Acq On : 01 May 2025 16:49
 Operator : SY/MD
 Sample : Q1914-05
 Misc : 7.07g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SS-4

Quant Time: May 02 01:31:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

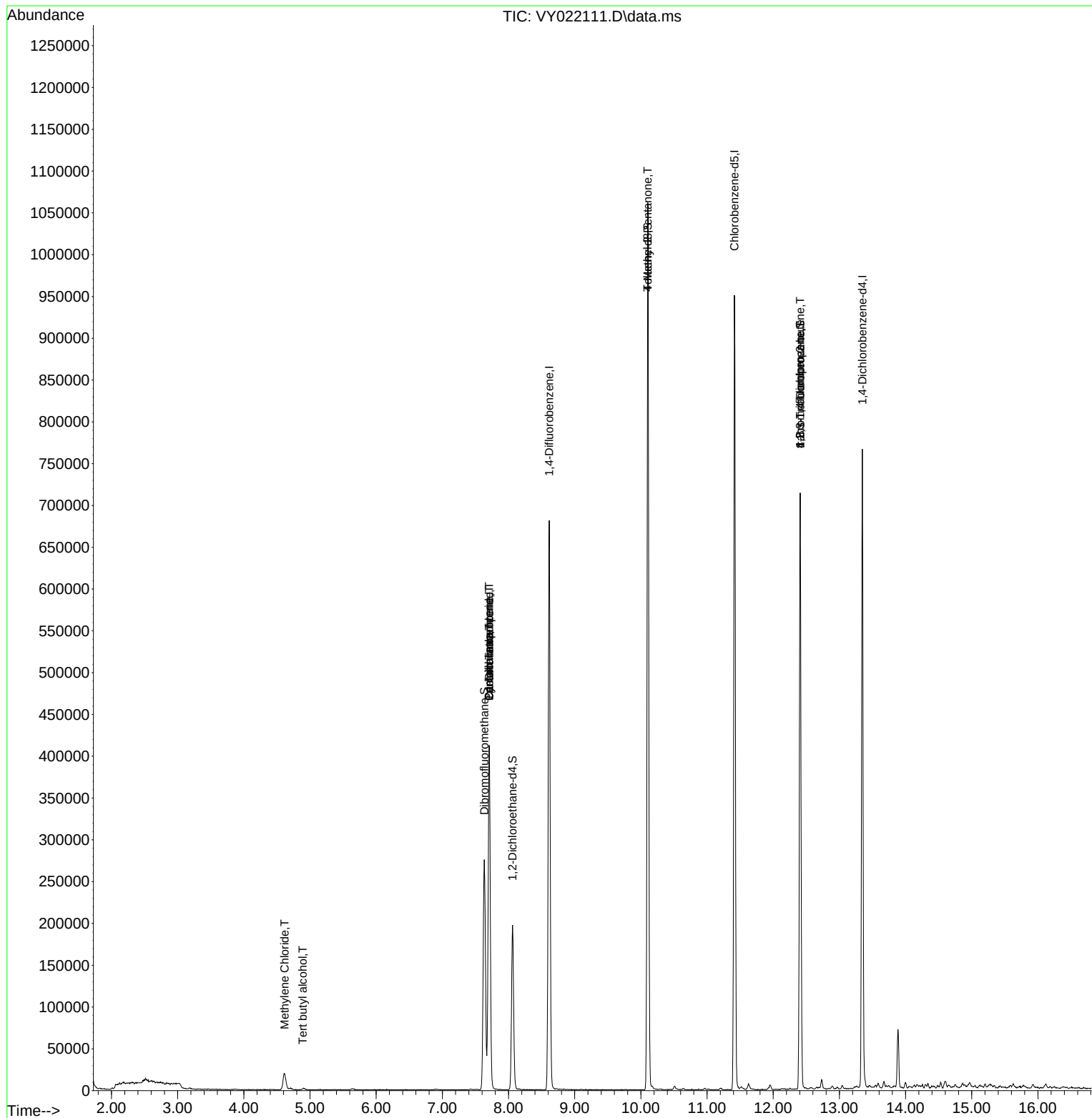
Internal Standards						
1) Pentafluorobenzene	7.707	168	329699	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	612320	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	536248	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	199649	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	154395	50.698	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.400%
35) Dibromofluoromethane	7.634	113	199636	49.350	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.700%
50) Toluene-d8	10.103	98	719805	47.198	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.400%
62) 4-Bromofluorobenzene	12.408	95	203694	39.675	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.360%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.891	59	169	1.011	ug/l #	70
16) Acetone	3.879	43	623	Below Cal	#	58
20) Methylene Chloride	4.616	84	16237	4.217	ug/l	97
31) Cyclohexane	7.707	56	5618	1.116	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	22761	4.189	ug/l #	48
38) Carbon Tetrachloride	7.707	117	31510	4.853	ug/l #	17
51) 4-Methyl-2-Pentanone	10.103	43	2378	1.210	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	98395	57.538	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	98395	138.560	ug/l #	16

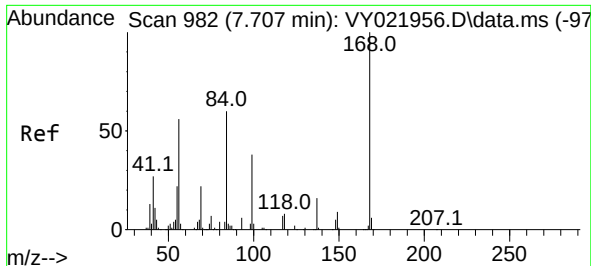
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

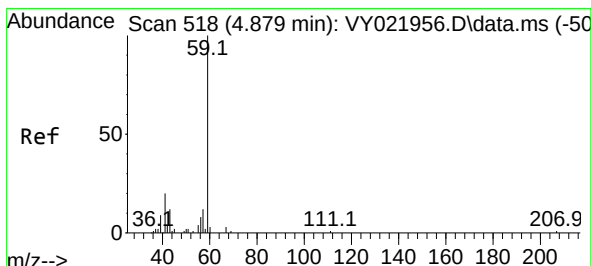
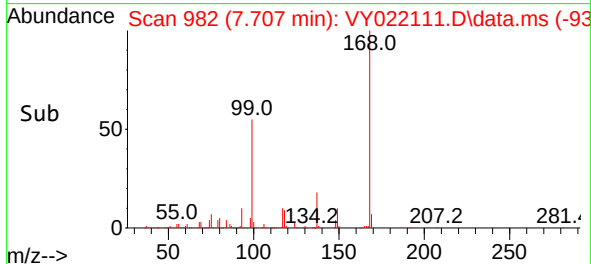
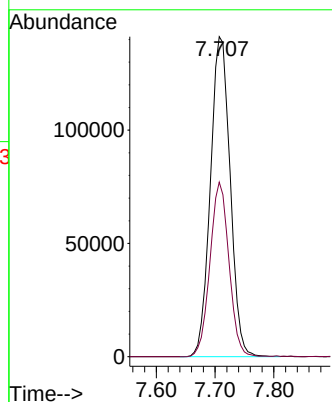
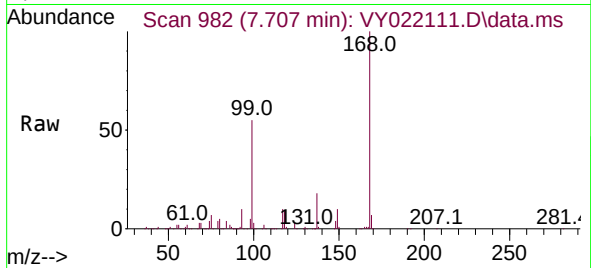




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022111.D
Acq: 01 May 2025 16:49

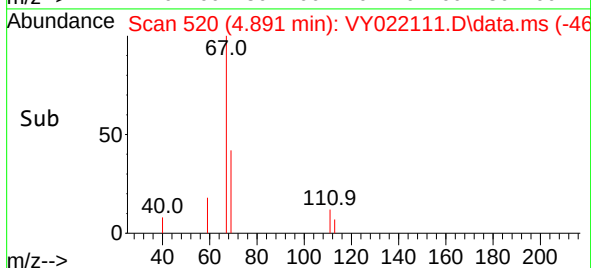
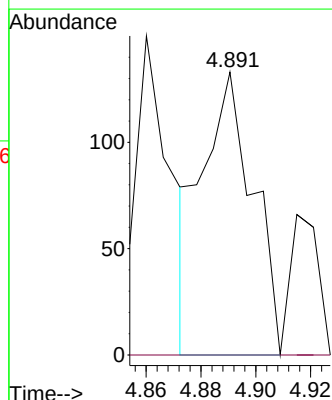
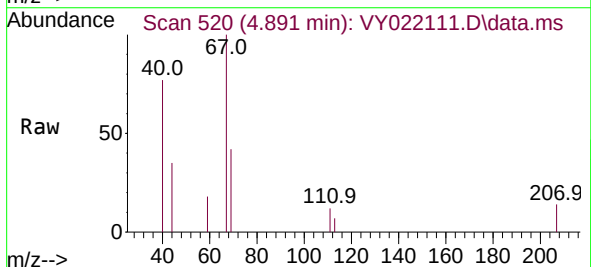
Instrument :
MSVOA_Y
ClientSampleId :
SS-4

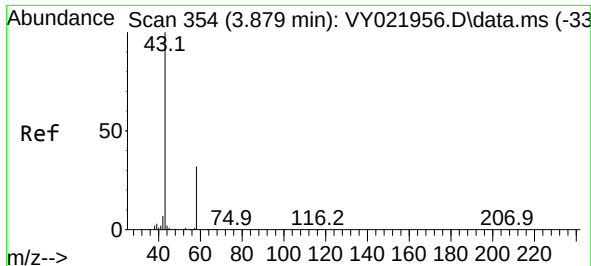
Tgt Ion:168 Resp: 329699
Ion Ratio Lower Upper
168 100
99 54.6 43.1 64.7



#11
Tert butyl alcohol
Concen: 1.011 ug/l
RT: 4.891 min Scan# 520
Delta R.T. 0.012 min
Lab File: VY022111.D
Acq: 01 May 2025 16:49

Tgt Ion: 59 Resp: 169
Ion Ratio Lower Upper
59 100
57 0.0 9.3 13.9#

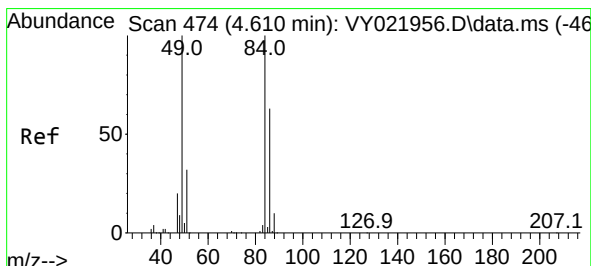
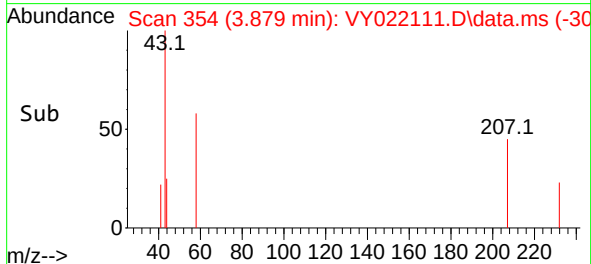
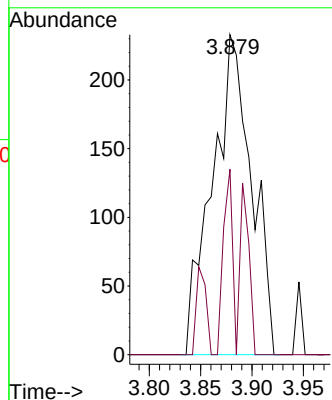
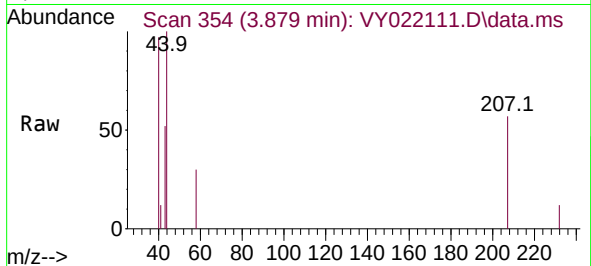




#16
Acetone
Concen: Below Cal
RT: 3.879 min Scan# 31
Delta R.T. -0.000 min
Lab File: VY022111.D
Acq: 01 May 2025 16:49

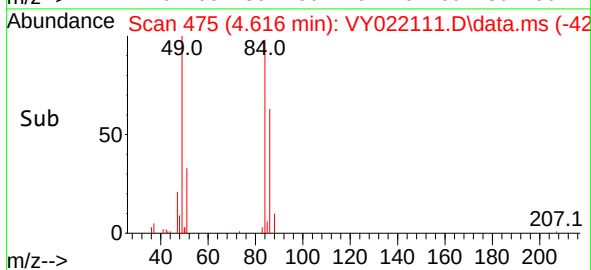
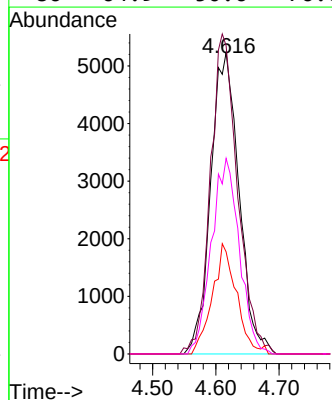
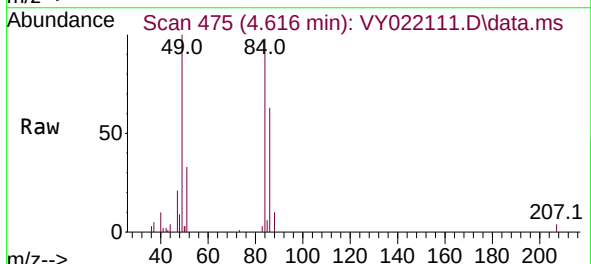
Instrument :
MSVOA_Y
ClientSampleId :
SS-4

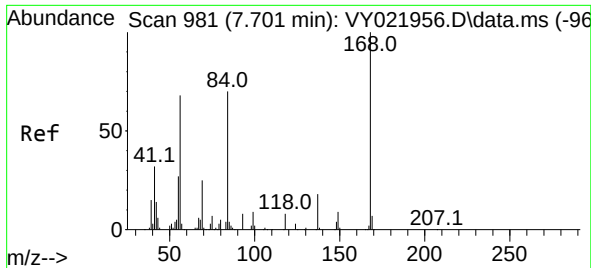
Tgt Ion: 43 Resp: 623
Ion Ratio Lower Upper
43 100
58 57.9 27.0 40.4#



#20
Methylene Chloride
Concen: 4.217 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY022111.D
Acq: 01 May 2025 16:49

Tgt Ion: 84 Resp: 16237
Ion Ratio Lower Upper
84 100
49 102.3 79.9 119.9
51 33.9 25.4 38.0
86 64.9 50.6 76.0

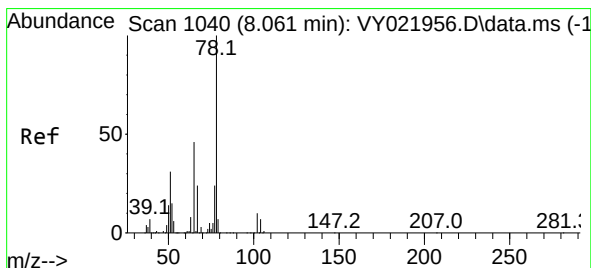
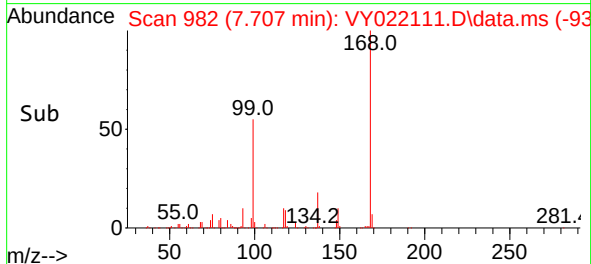
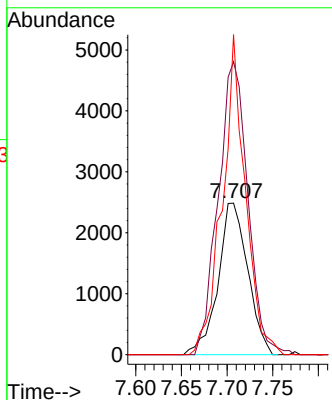
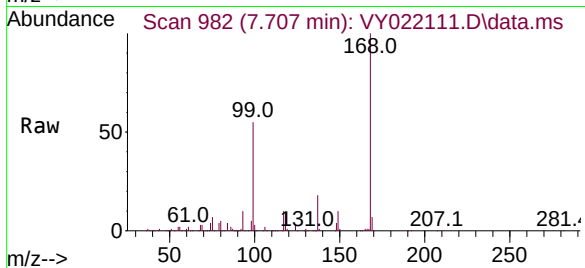




#31
Cyclohexane
Concen: 1.116 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY022111.D
Acq: 01 May 2025 16:49

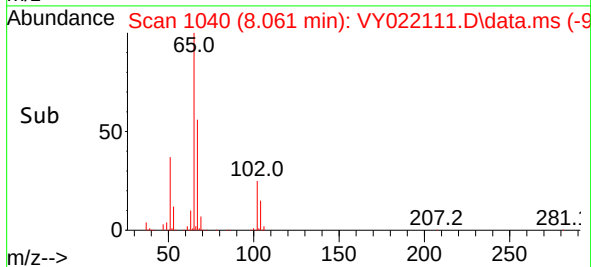
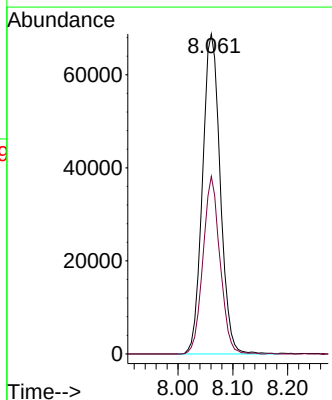
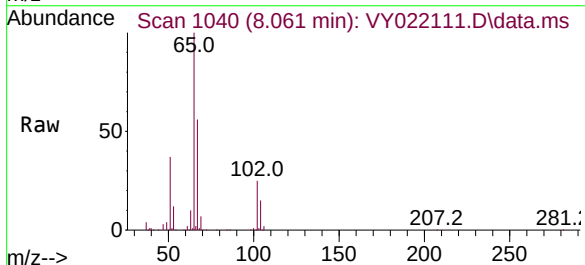
Instrument :
MSVOA_Y
ClientSampleId :
SS-4

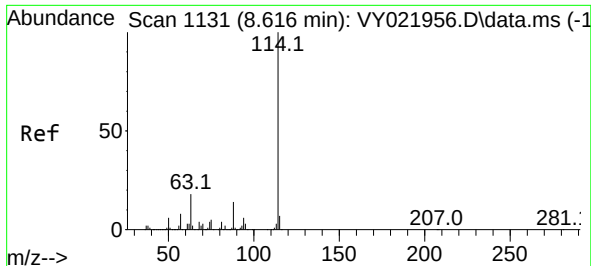
Tgt Ion: 56 Resp: 5618
Ion Ratio Lower Upper
56 100
69 193.4 29.4 44.2#
84 211.2 82.2 123.4#



#33
1,2-Dichloroethane-d4
Concen: 50.698 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022111.D
Acq: 01 May 2025 16:49

Tgt Ion: 65 Resp: 154395
Ion Ratio Lower Upper
65 100
67 53.1 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022111.D

Acq: 01 May 2025 16:49

Instrument :

MSVOA_Y

ClientSampleId :

SS-4

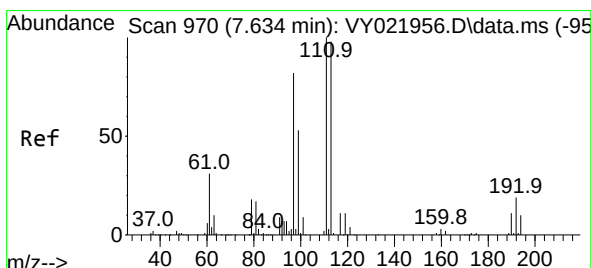
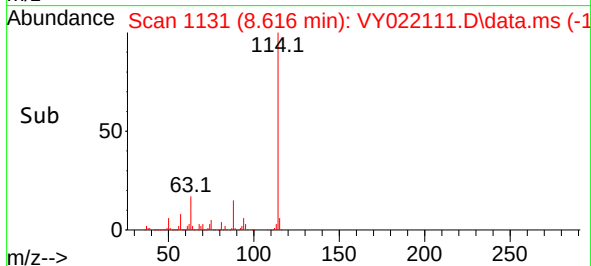
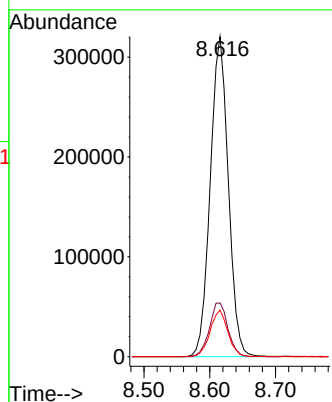
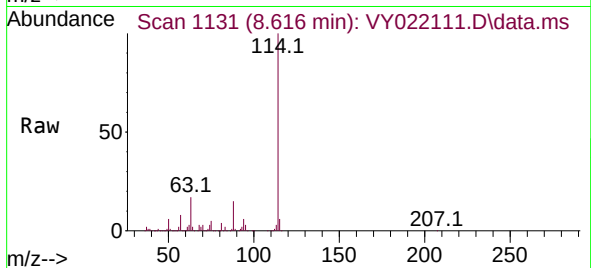
Tgt Ion:114 Resp: 612320

Ion Ratio Lower Upper

114 100

63 16.8 0.0 35.4

88 14.6 0.0 28.2



#35

Dibromofluoromethane

Concen: 49.350 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY022111.D

Acq: 01 May 2025 16:49

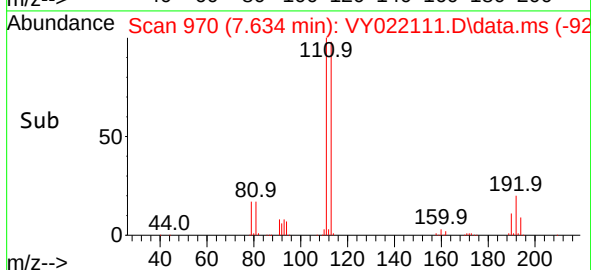
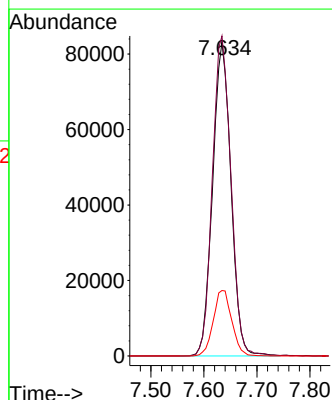
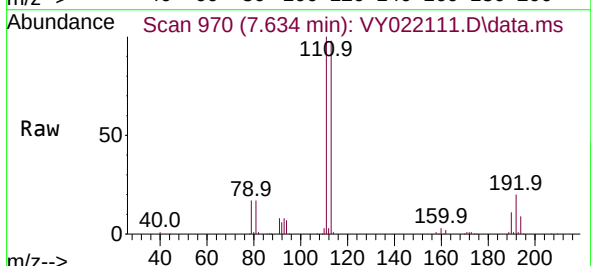
Tgt Ion:113 Resp: 199636

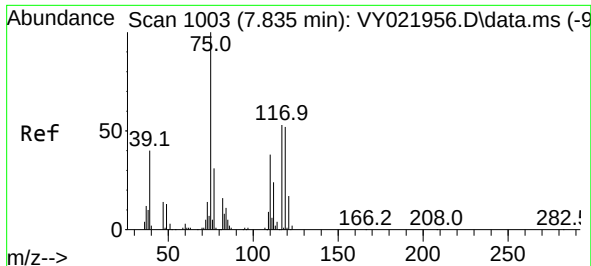
Ion Ratio Lower Upper

113 100

111 103.1 81.8 122.8

192 21.1 15.6 23.4





#36

1,1-Dichloropropene

Concen: 4.189 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY022111.D

Acq: 01 May 2025 16:49

Instrument :

MSVOA_Y

ClientSampleId :

SS-4

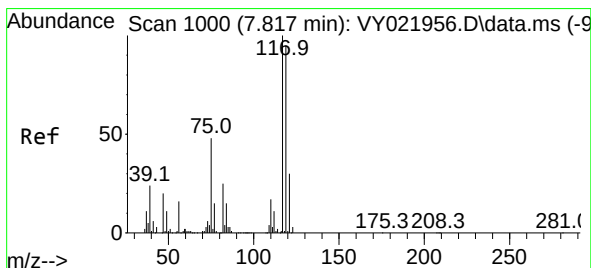
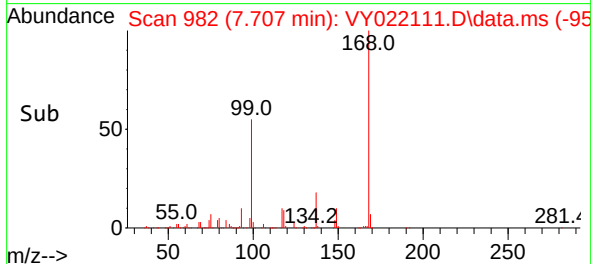
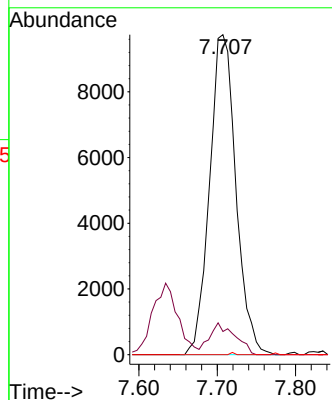
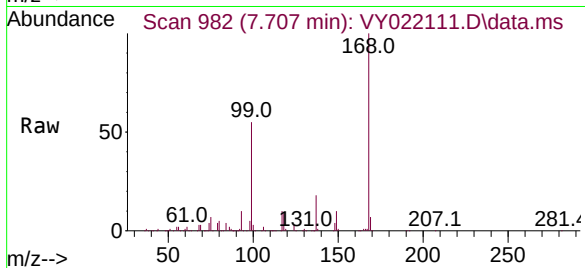
Tgt Ion: 75 Resp: 22761

Ion Ratio Lower Upper

75 100

110 9.6 19.1 57.3#

77 0.1 25.5 38.3#



#38

Carbon Tetrachloride

Concen: 4.853 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY022111.D

Acq: 01 May 2025 16:49

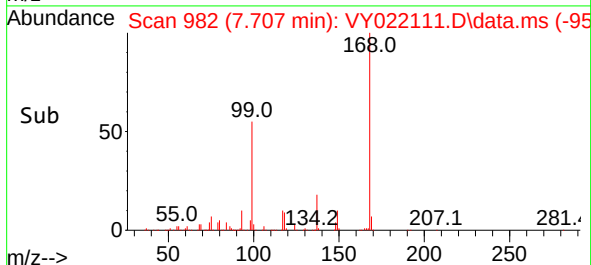
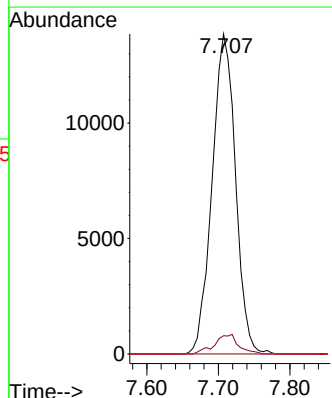
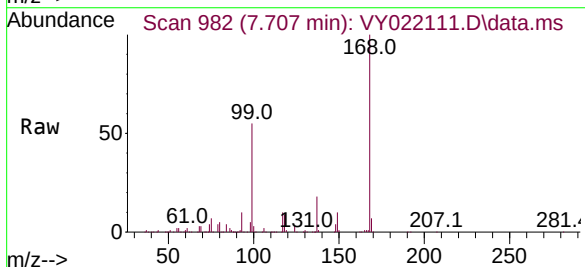
Tgt Ion: 117 Resp: 31510

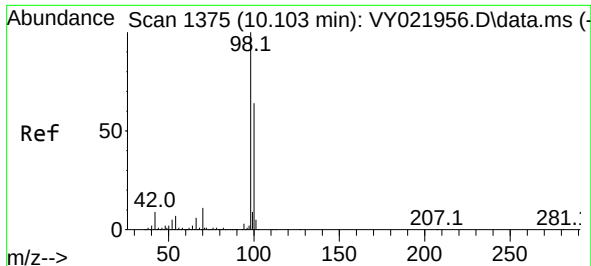
Ion Ratio Lower Upper

117 100

119 5.7 76.2 114.4#

121 0.0 24.0 36.0#

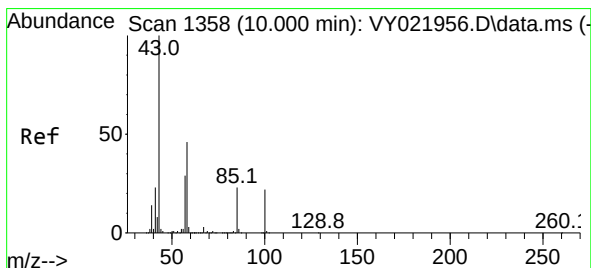
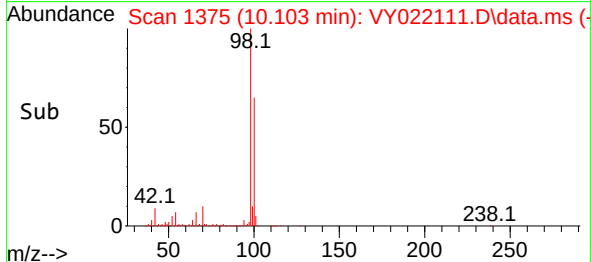
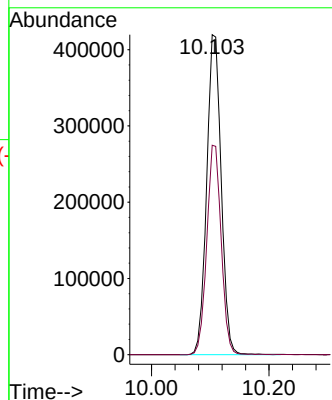
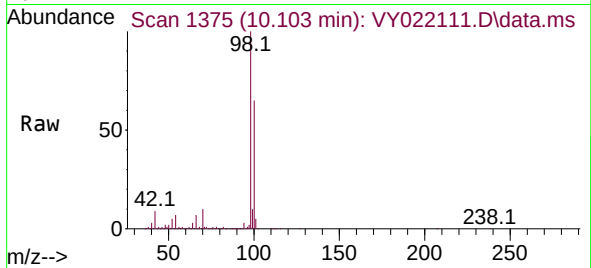




#50
Toluene-d8
Concen: 47.198 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022111.D
Acq: 01 May 2025 16:49

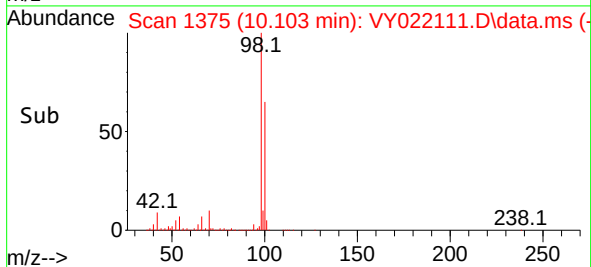
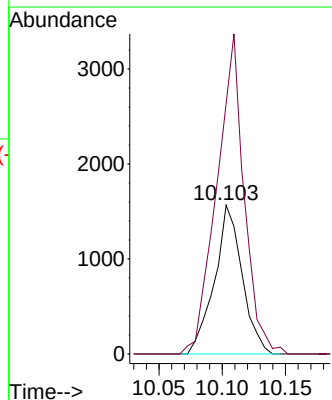
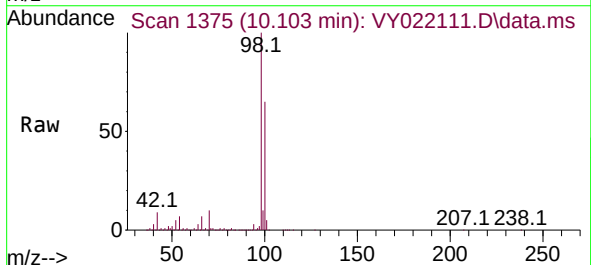
Instrument :
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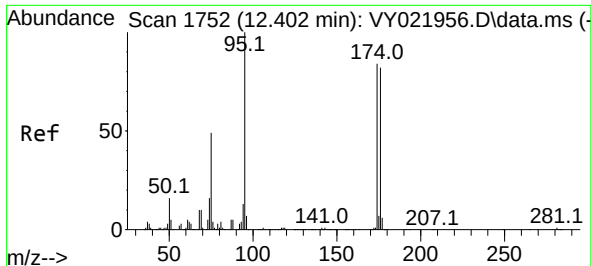
Tgt Ion: 98 Resp: 719805
Ion Ratio Lower Upper
98 100
100 64.9 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.210 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.104 min
Lab File: VY022111.D
Acq: 01 May 2025 16:49

Tgt Ion: 43 Resp: 2378
Ion Ratio Lower Upper
43 100
58 213.0 36.6 55.0#

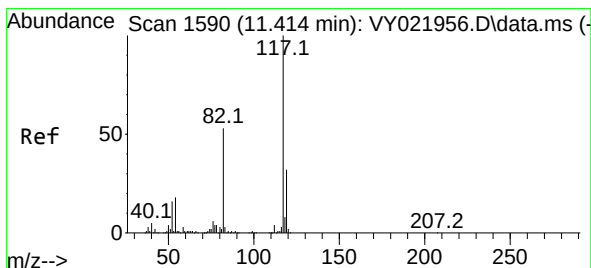
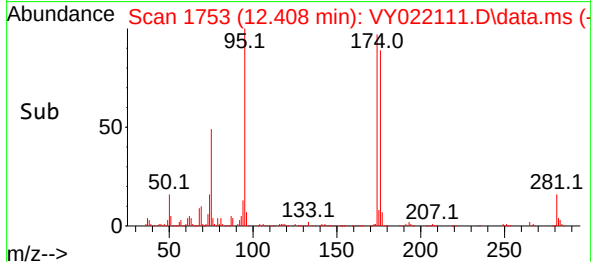
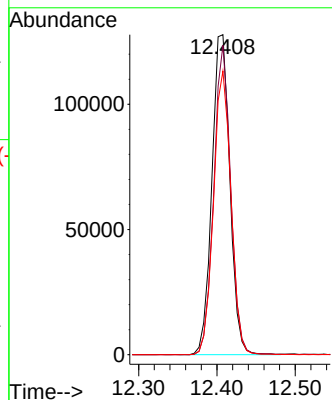
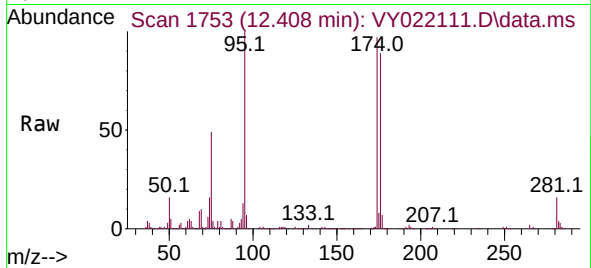




#62
4-Bromofluorobenzene
Concen: 39.675 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022111.D
Acq: 01 May 2025 16:49

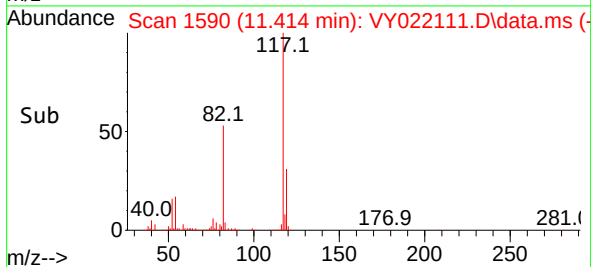
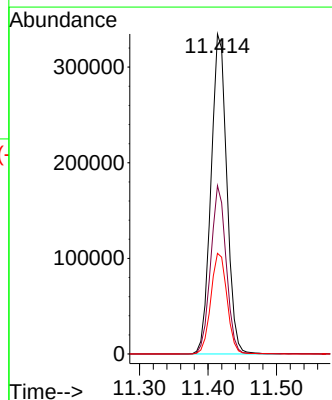
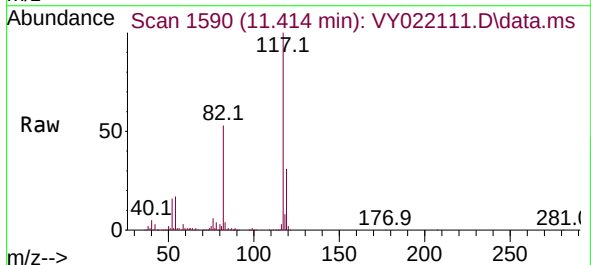
Instrument :
MSVOA_Y
ClientSampleId :
SS-4

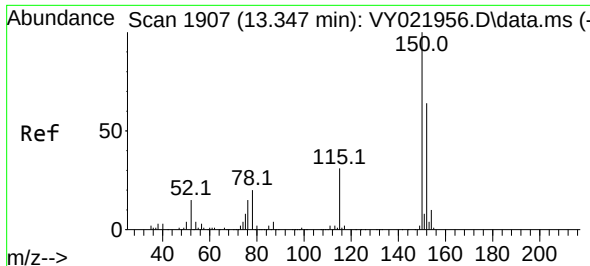
Tgt Ion: 95 Resp: 203694
Ion Ratio Lower Upper
95 100
174 91.0 0.0 179.0
176 86.3 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022111.D
Acq: 01 May 2025 16:49

Tgt Ion: 117 Resp: 536248
Ion Ratio Lower Upper
117 100
82 52.6 42.1 63.1
119 31.5 25.7 38.5

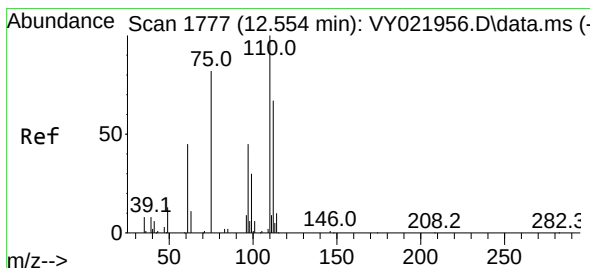
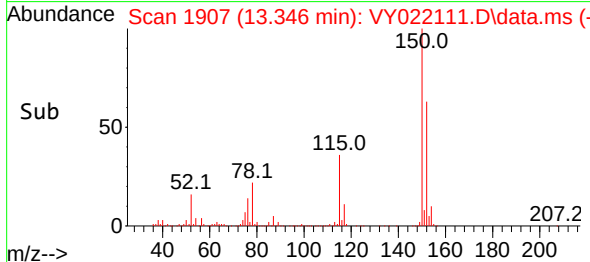
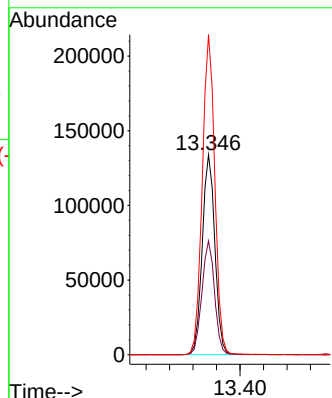
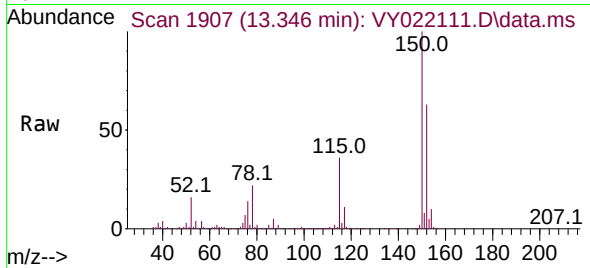




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY022111.D
 Acq: 01 May 2025 16:49

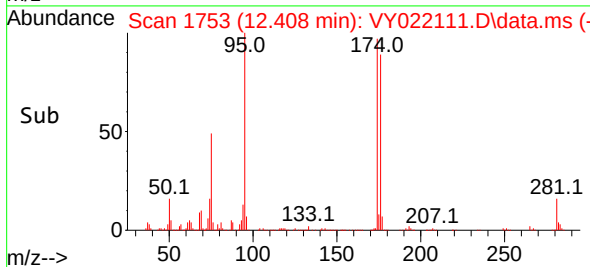
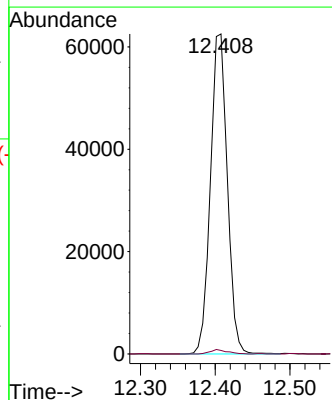
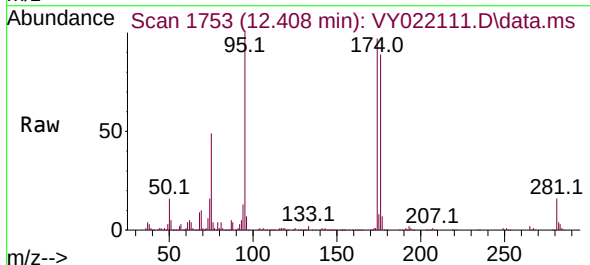
Instrument :
 MSVOA_Y
 ClientSampleId :
 SS-4

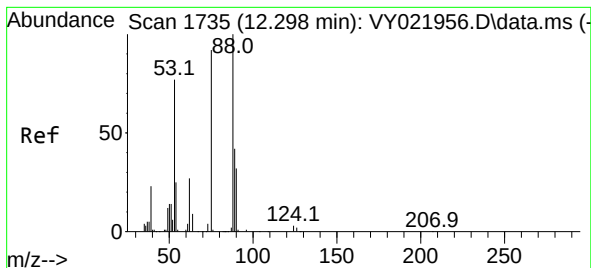
Tgt Ion:152 Resp: 199649
 Ion Ratio Lower Upper
 152 100
 115 56.9 28.0 84.0
 150 158.7 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 57.538 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY022111.D
 Acq: 01 May 2025 16:49

Tgt Ion: 75 Resp: 98395
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 138.560 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY022111.D
 Acq: 01 May 2025 16:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 SS-4

Tgt Ion: 75 Resp: 98395
 Ion Ratio Lower Upper
 75 100
 53 0.1 66.0 99.0#
 89 0.3 37.2 55.8#

