

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050725\
 Data File : VY022192.D
 Acq On : 07 May 2025 14:56
 Operator : SY/MD
 Sample : Q1972-07
 Misc : 5.86g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-B-10-VOC

Quant Time: May 08 01:42:44 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)

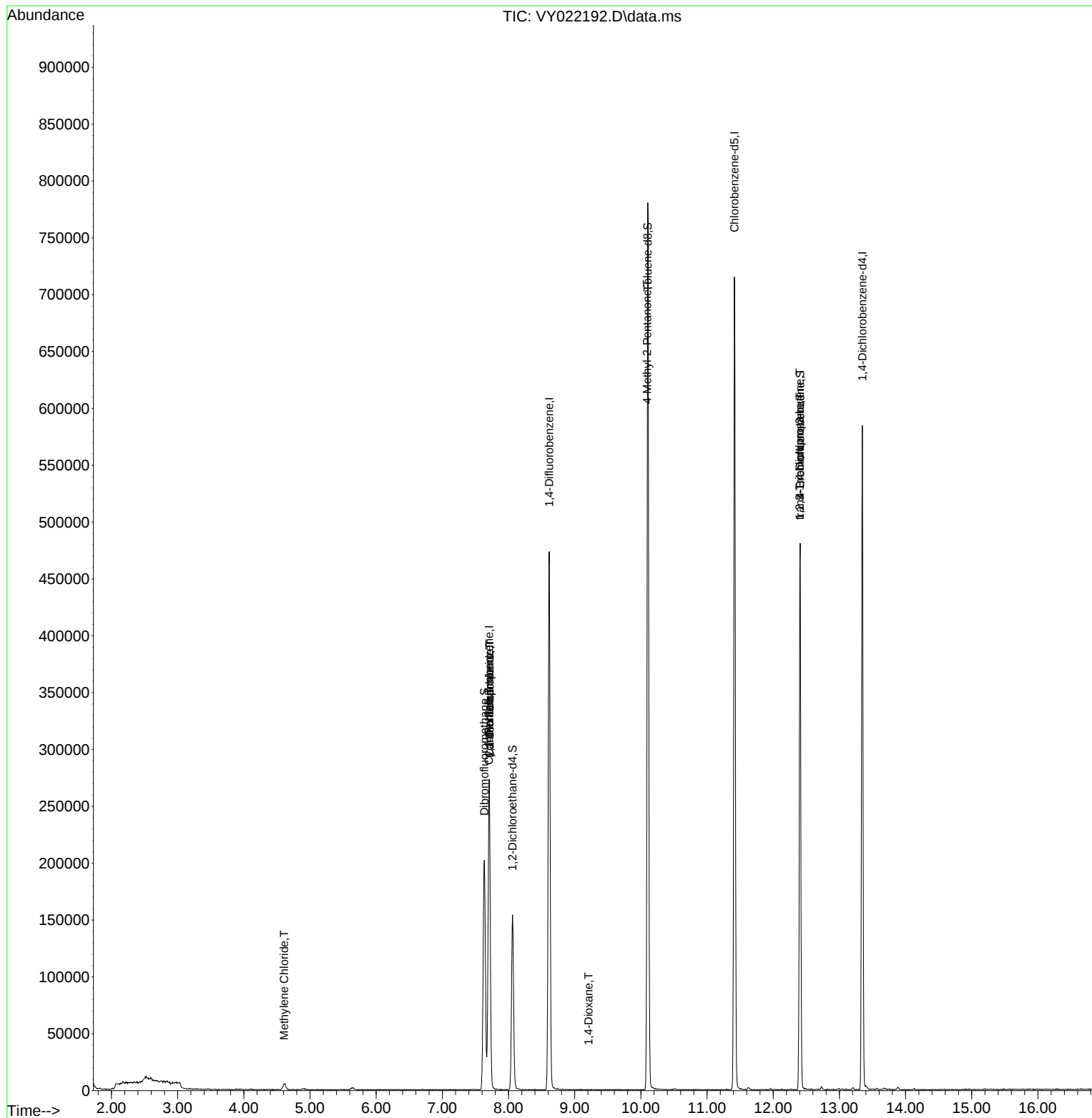
Internal Standards						
1) Pentafluorobenzene	7.707	168	209165	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	414938	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	382200	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	147193	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	118955	61.570	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 123.140%		
35) Dibromofluoromethane	7.634	113	146100	53.296	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 106.600%		
50) Toluene-d8	10.103	98	512780	49.617	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 99.240%		
62) 4-Bromofluorobenzene	12.408	95	146261	42.040	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 84.080%		
Target Compounds						
					Qvalue	
16) Acetone	3.867	43	353	Below Cal	#	41
20) Methylene Chloride	4.610	84	4112	1.683	ug/l #	76
31) Cyclohexane	7.701	56	4458	1.396	ug/l #	24
36) 1,1-Dichloropropene	7.713	75	15825	4.298	ug/l #	48
38) Carbon Tetrachloride	7.713	117	21331	4.848	ug/l #	15
49) 1,4-Dioxane	9.207	88	39	2.296	ug/l #	24
51) 4-Methyl-2-Pentanone	10.097	43	1855	1.393	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	73359	58.185	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	73359	140.119	ug/l #	16

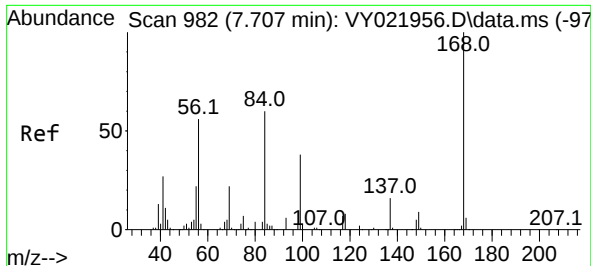
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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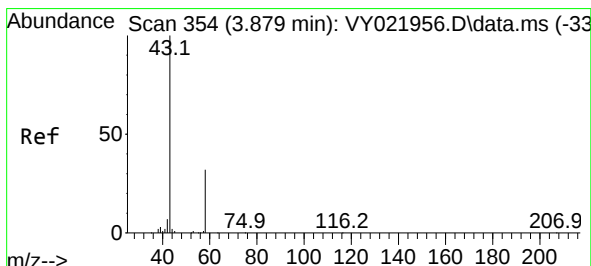
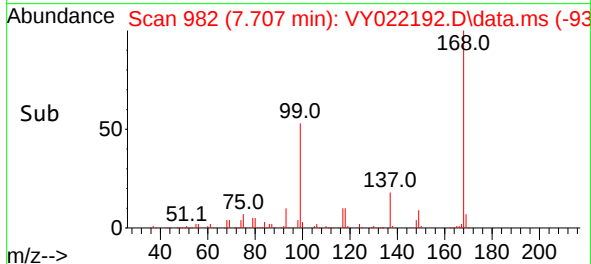
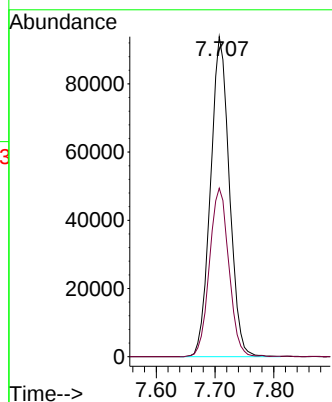
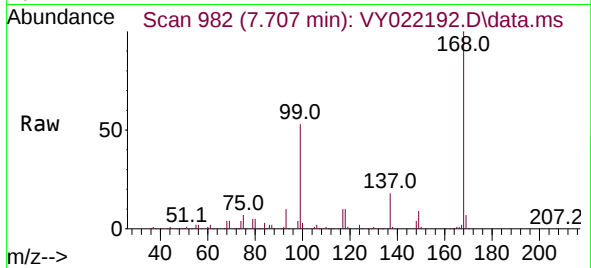




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022192.D
Acq: 07 May 2025 14:56

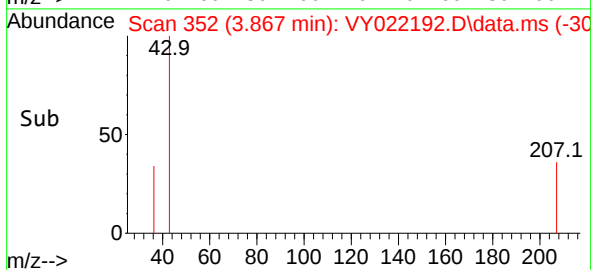
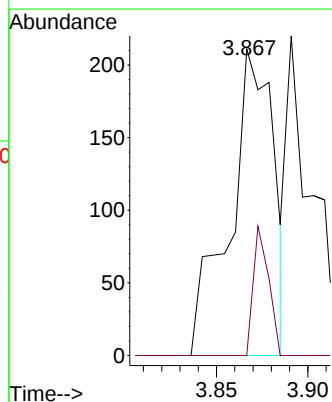
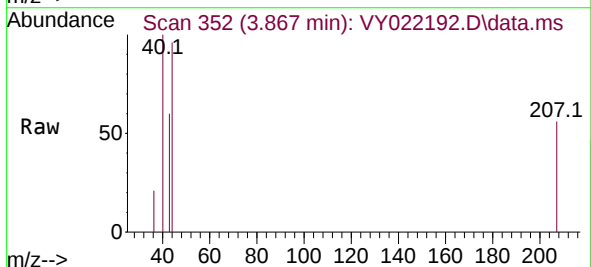
Instrument :
MSVOA_Y
ClientSampleId :
WC-B-10-VOC

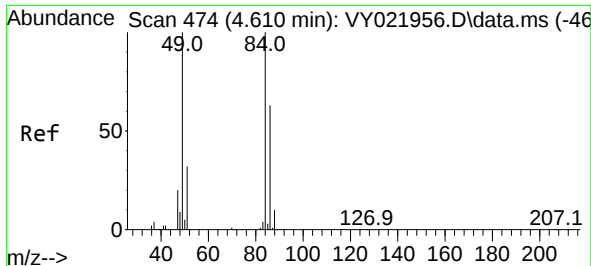
Tgt Ion:168 Resp: 209165
Ion Ratio Lower Upper
168 100
99 52.7 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.867 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022192.D
Acq: 07 May 2025 14:56

Tgt Ion: 43 Resp: 353
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.4#





#20

Methylene Chloride

Concen: 1.683 ug/l

RT: 4.610 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY022192.D

Acq: 07 May 2025 14:56

Instrument :

MSVOA_Y

ClientSampleId :

WC-B-10-VOC

Tgt Ion: 84 Resp: 4112

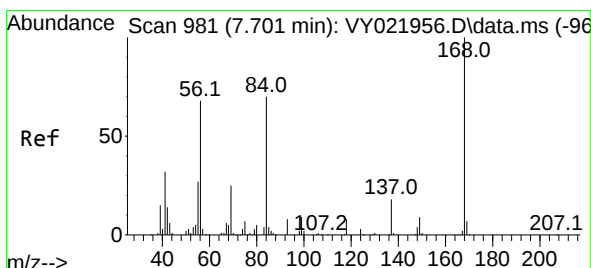
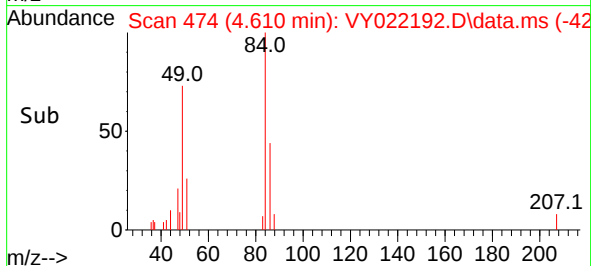
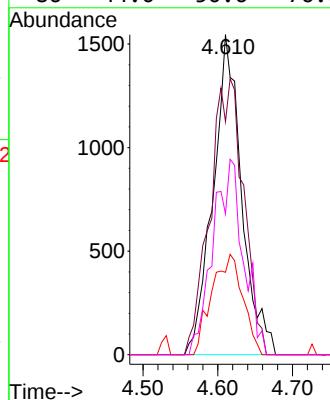
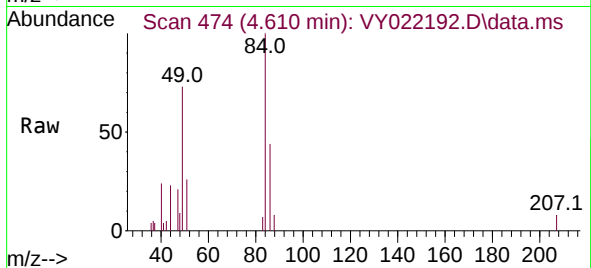
Ion Ratio Lower Upper

84 100

49 72.8 79.9 119.9#

51 25.8 25.4 38.0

86 44.0 50.6 76.0#



#31

Cyclohexane

Concen: 1.396 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY022192.D

Acq: 07 May 2025 14:56

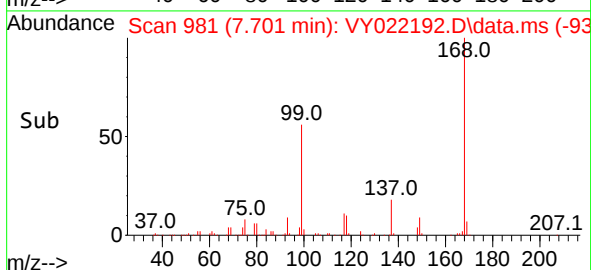
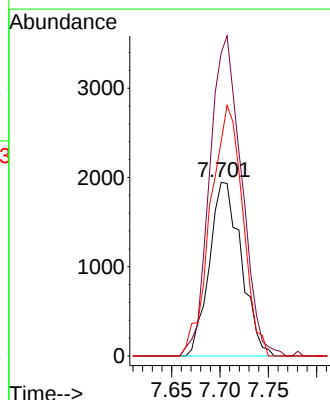
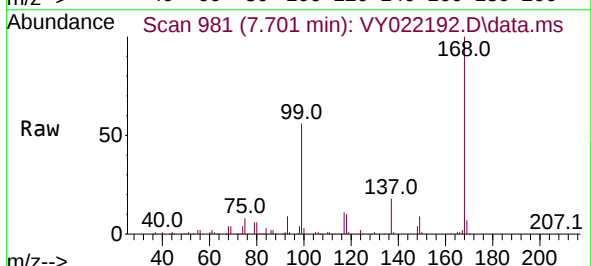
Tgt Ion: 56 Resp: 4458

Ion Ratio Lower Upper

56 100

69 174.5 29.4 44.2#

84 123.6 82.2 123.4#





#33

1,2-Dichloroethane-d4

Concen: 61.570 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY022192.D

Acq: 07 May 2025 14:56

Instrument :

MSVOA_Y

ClientSampleId :

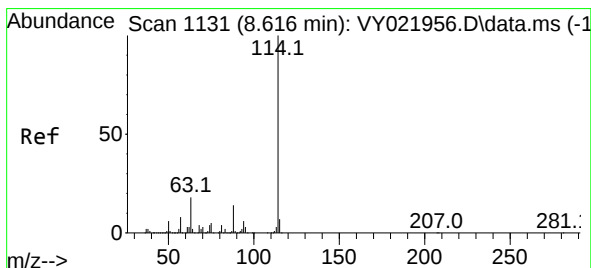
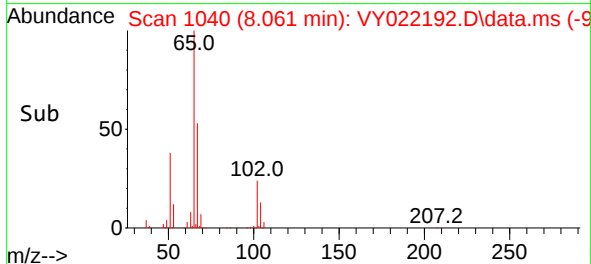
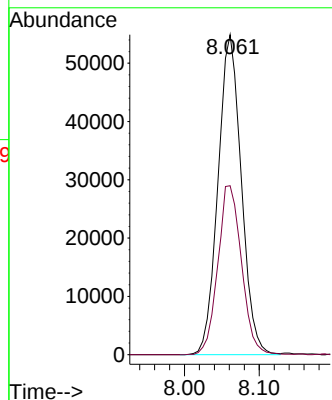
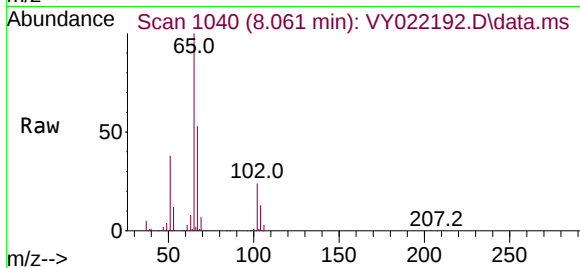
WC-B-10-VOC

Tgt Ion: 65 Resp: 118955

Ion Ratio Lower Upper

65 100

67 53.7 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: VY022192.D

Acq: 07 May 2025 14:56

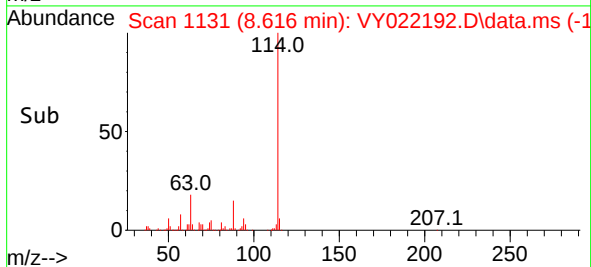
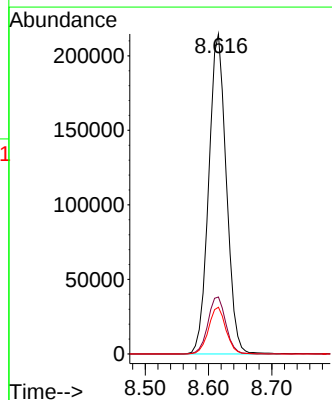
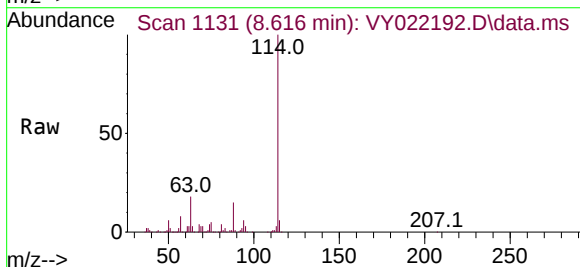
Tgt Ion: 114 Resp: 414938

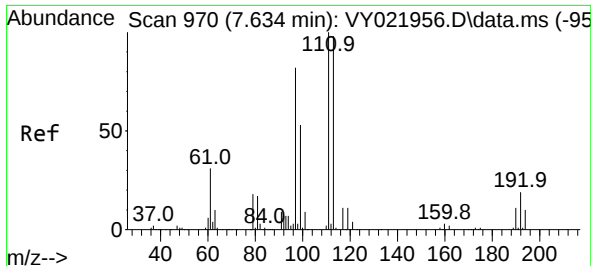
Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.4

88 14.6 0.0 28.2

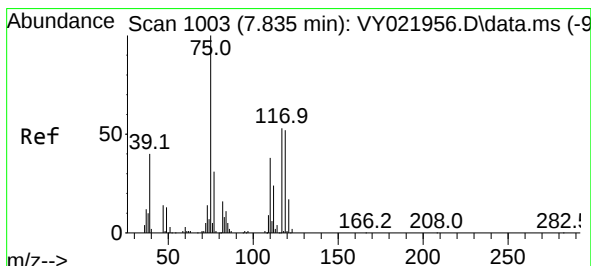
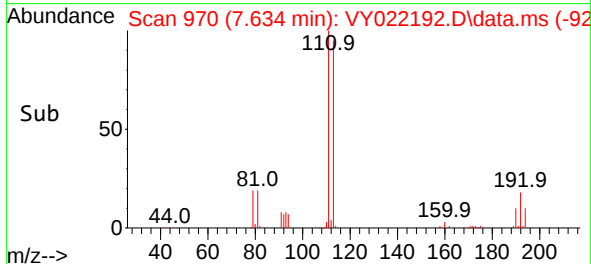
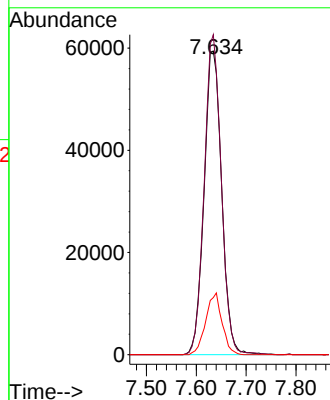
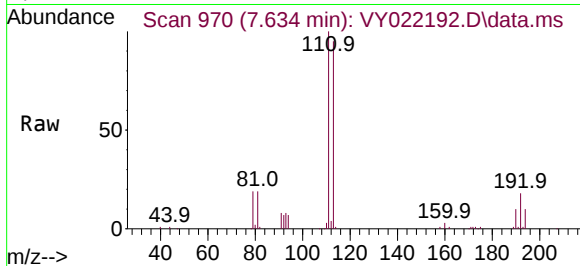




#35
Dibromofluoromethane
Concen: 53.296 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022192.D
Acq: 07 May 2025 14:56

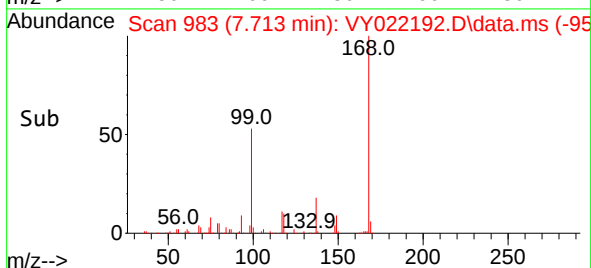
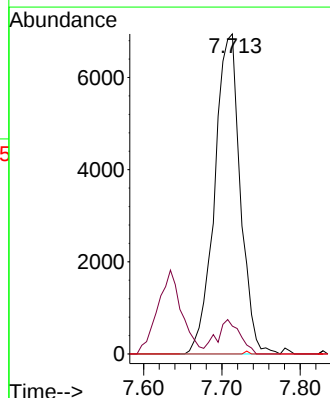
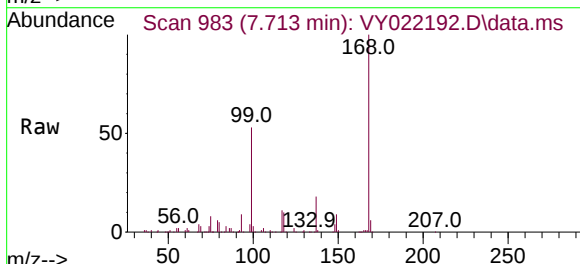
Instrument :
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ClientSampleId :
WC-B-10-VOC

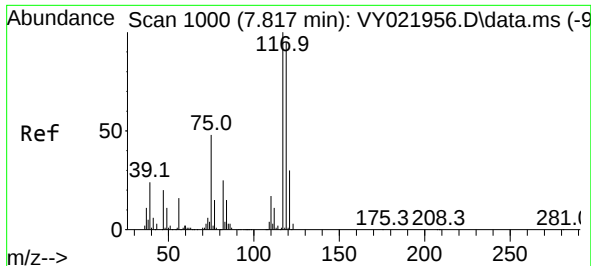
Tgt Ion:113 Resp: 146100
Ion Ratio Lower Upper
113 100
111 101.7 81.8 122.8
192 18.8 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.298 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY022192.D
Acq: 07 May 2025 14:56

Tgt Ion: 75 Resp: 15825
Ion Ratio Lower Upper
75 100
110 9.6 19.1 57.3#
77 0.0 25.5 38.3#

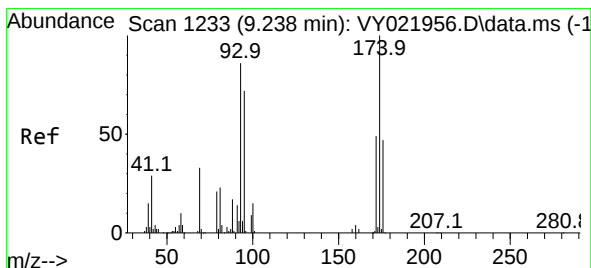
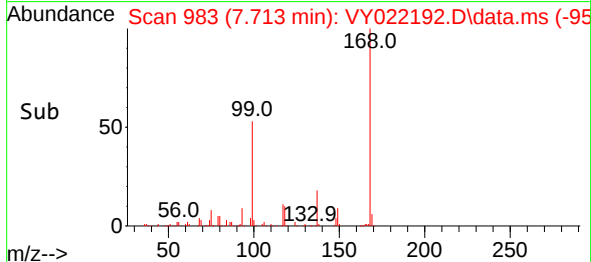
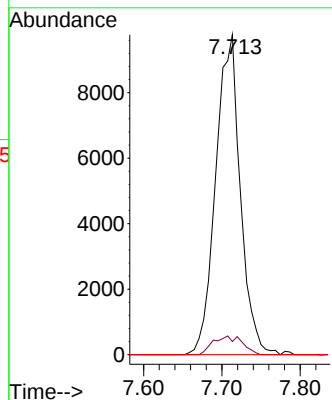
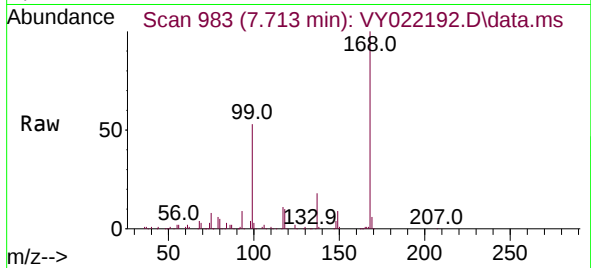




#38
Carbon Tetrachloride
Concen: 4.848 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY022192.D
Acq: 07 May 2025 14:56

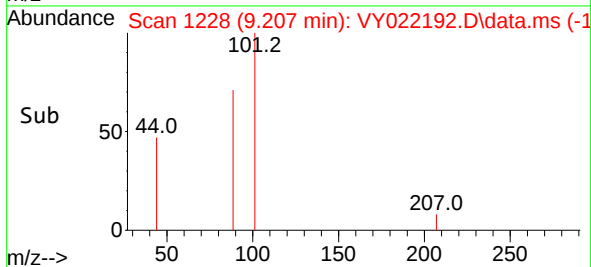
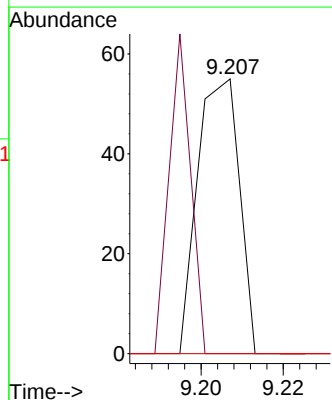
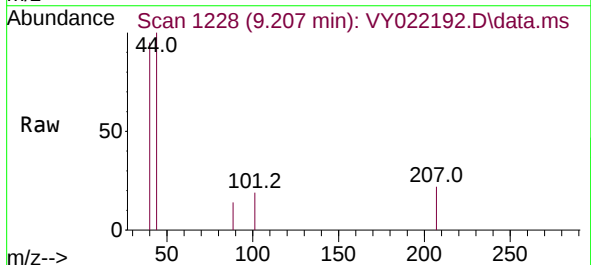
Instrument :
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ClientSampleId :
WC-B-10-VOC

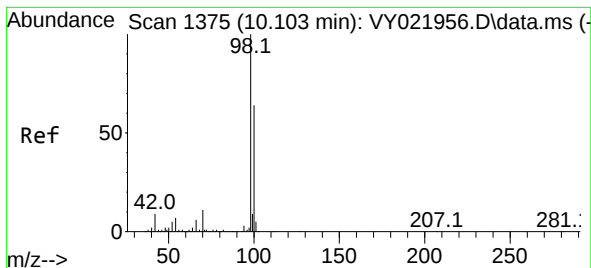
Tgt Ion:117 Resp: 21331
Ion Ratio Lower Upper
117 100
119 4.1 76.2 114.4#
121 0.0 24.0 36.0#



#49
1,4-Dioxane
Concen: 2.296 ug/l
RT: 9.207 min Scan# 1228
Delta R.T. -0.030 min
Lab File: VY022192.D
Acq: 07 May 2025 14:56

Tgt Ion: 88 Resp: 39
Ion Ratio Lower Upper
88 100
43 59.0 21.3 31.9#
58 0.0 50.5 75.7#

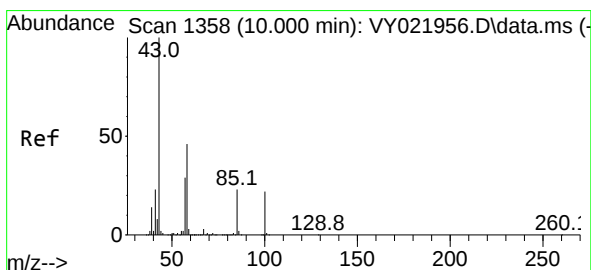
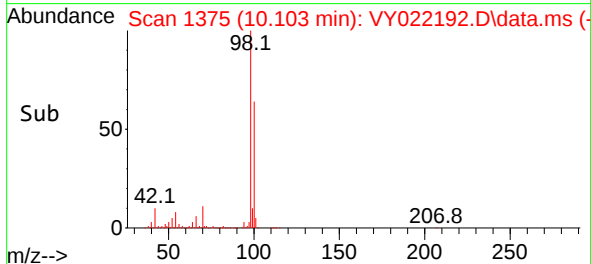
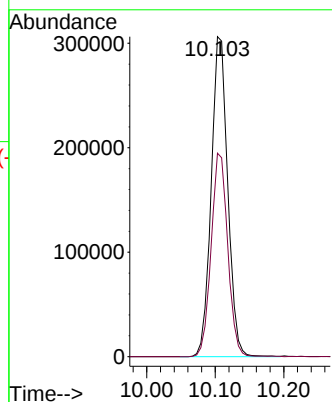
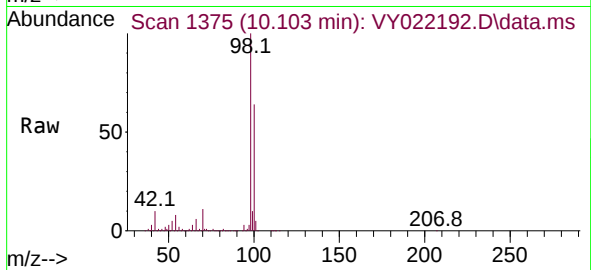




#50
Toluene-d8
Concen: 49.617 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022192.D
Acq: 07 May 2025 14:56

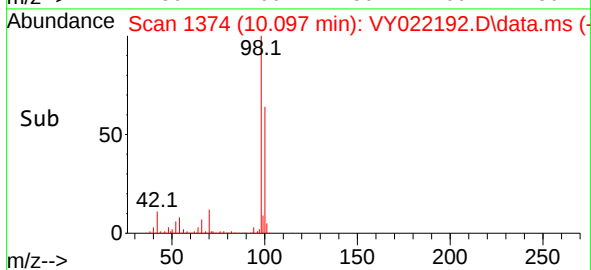
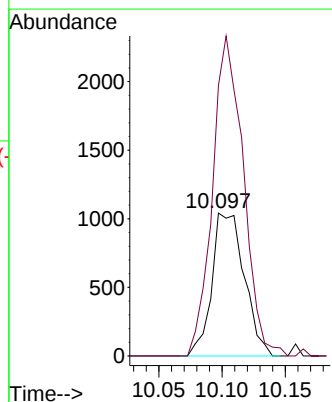
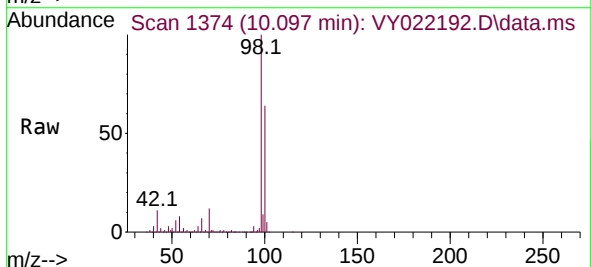
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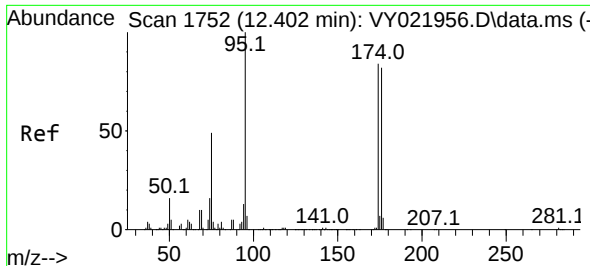
Tgt Ion: 98 Resp: 512780
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.393 ug/l
RT: 10.097 min Scan# 1374
Delta R.T. 0.098 min
Lab File: VY022192.D
Acq: 07 May 2025 14:56

Tgt Ion: 43 Resp: 1855
Ion Ratio Lower Upper
43 100
58 213.4 36.6 55.0#

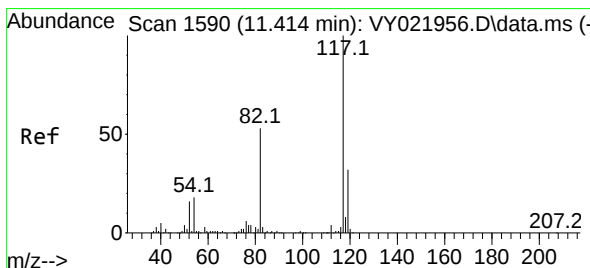
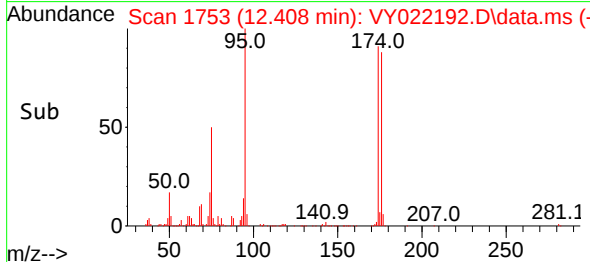
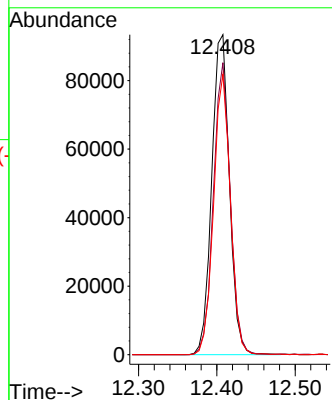
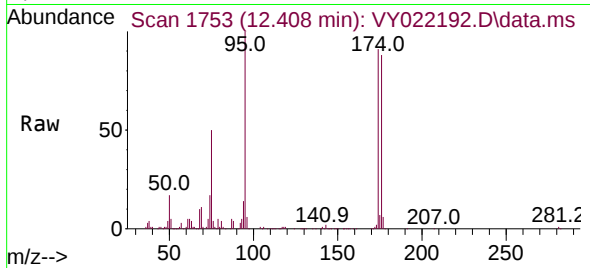




#62
4-Bromofluorobenzene
Concen: 42.040 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022192.D
Acq: 07 May 2025 14:56

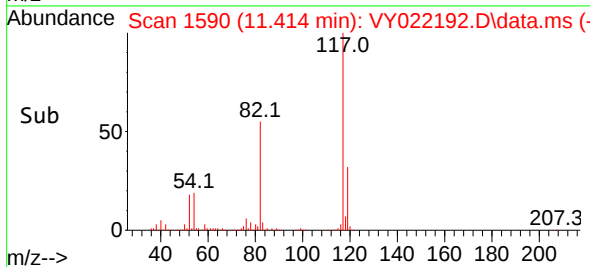
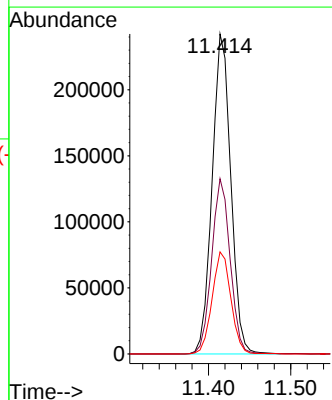
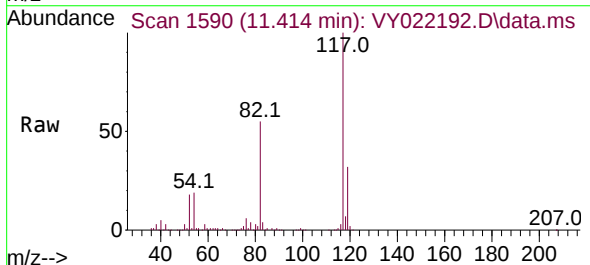
Instrument :
MSVOA_Y
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WC-B-10-VOC

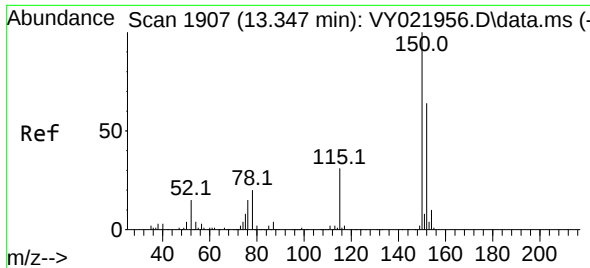
Tgt Ion: 95 Resp: 146261
Ion Ratio Lower Upper
95 100
174 87.3 0.0 179.0
176 83.6 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY022192.D
Acq: 07 May 2025 14:56

Tgt Ion: 117 Resp: 382200
Ion Ratio Lower Upper
117 100
82 54.8 42.1 63.1
119 31.9 25.7 38.5

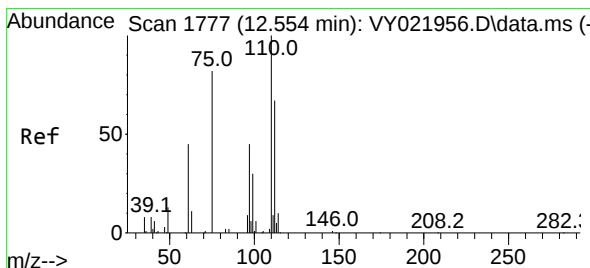
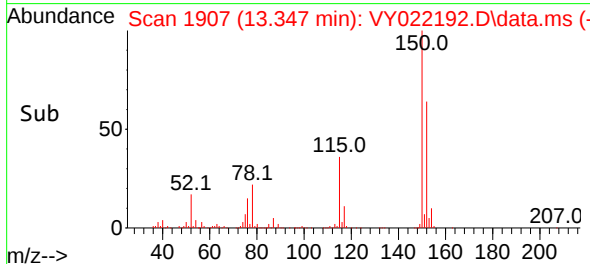
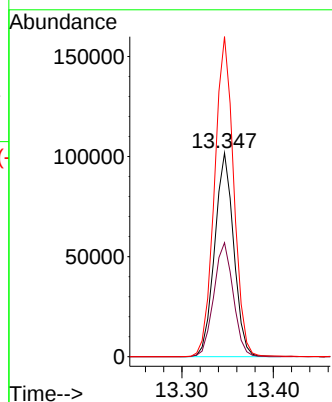
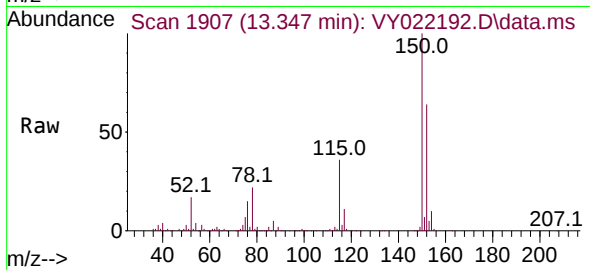




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY022192.D
 Acq: 07 May 2025 14:56

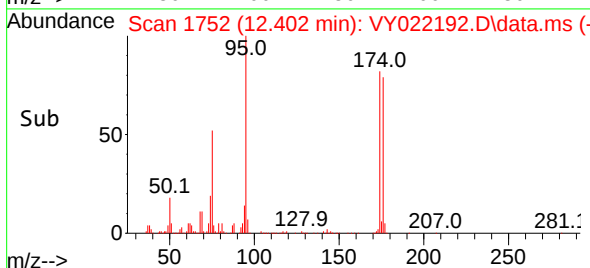
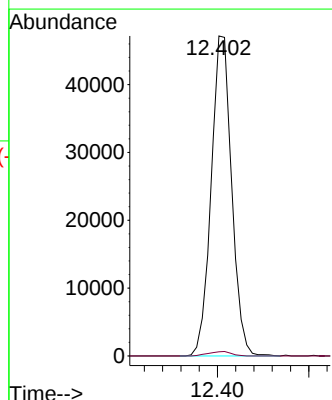
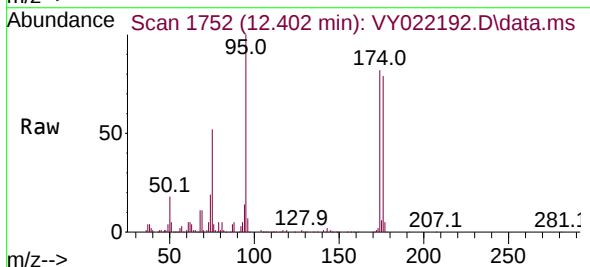
Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-B-10-VOC

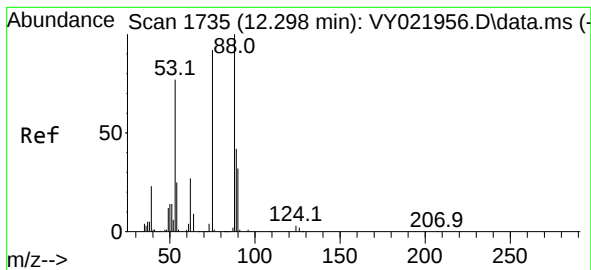
Tgt Ion:152 Resp: 147193
 Ion Ratio Lower Upper
 152 100
 115 57.0 28.0 84.0
 150 158.4 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 58.185 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. -0.152 min
 Lab File: VY022192.D
 Acq: 07 May 2025 14:56

Tgt Ion: 75 Resp: 73359
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 140.119 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY022192.D
 Acq: 07 May 2025 14:56

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-B-10-VOC

Tgt Ion: 75 Resp: 73359
 Ion Ratio Lower Upper
 75 100
 53 0.2 66.0 99.0#
 89 0.0 37.2 55.8#

