

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
 Data File : VY022228.D
 Acq On : 12 May 2025 16:33
 Operator : SY/MD
 Sample : Q2002-01
 Misc : 5.28g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

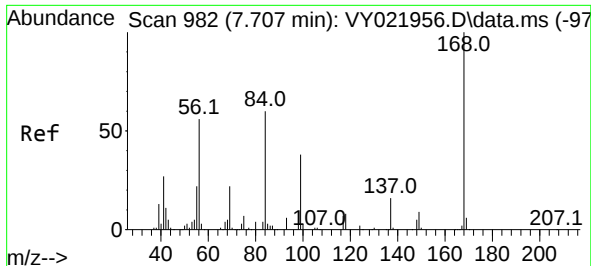
Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-02-05092025

Quant Time: May 13 02:23:05 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	30038	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	43417	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	27727	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	8262	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	21954	79.126	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 158.260%			
35) Dibromofluoromethane	7.634	113	22422	78.170	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 156.340%#			
50) Toluene-d8	10.109	98	40385	37.346	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 74.700%			
62) 4-Bromofluorobenzene	12.408	95	9436	25.921	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 51.840%			
Target Compounds			Qvalue			
5) Bromomethane	2.611	94	470	1.218	ug/l #	55
16) Acetone	3.879	43	147	Below Cal	#	41
20) Methylene Chloride	4.604	84	638	1.819	ug/l #	45
29) Tetrahydrofuran	7.287	42	47	1.144	ug/l #	26
31) Cyclohexane	7.695	56	762	1.661	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	2255	5.853	ug/l #	47
38) Carbon Tetrachloride	7.707	117	3100	6.733	ug/l #	18
51) 4-Methyl-2-Pentanone	10.103	43	214	1.536	ug/l #	7
74) N-amyl acetate	12.036	43	122	1.286	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	4911	69.396	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	4911	167.115	ug/l #	16
90) Hexachloroethane	13.895	117	296	2.658	ug/l #	11

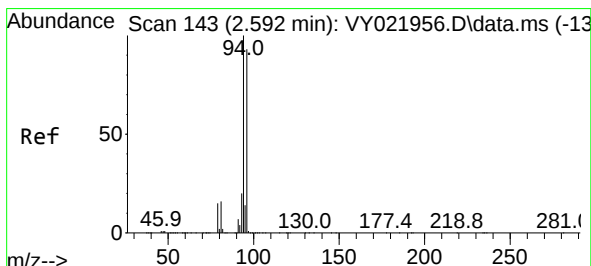
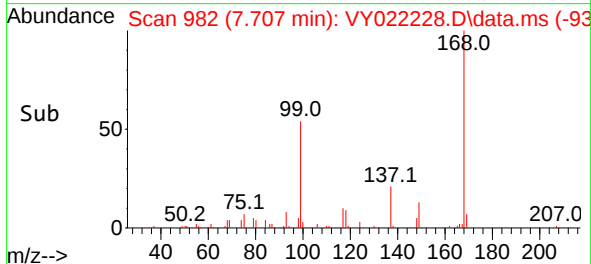
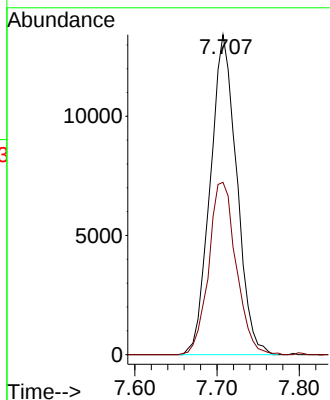
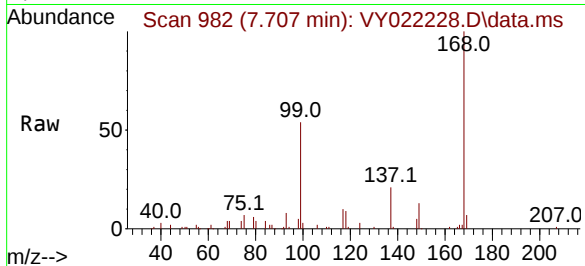
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022228.D
Acq: 12 May 2025 16:33

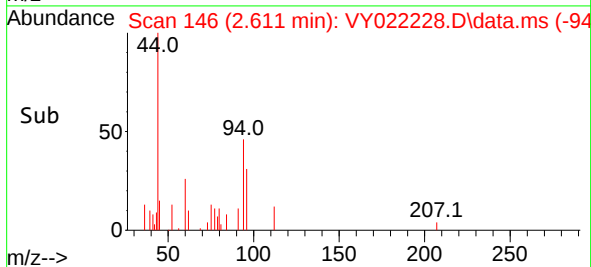
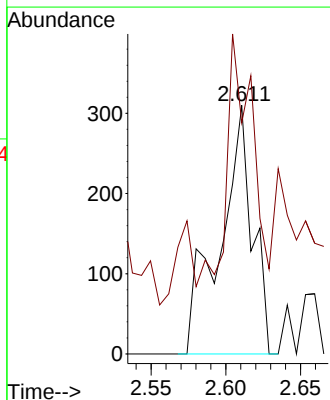
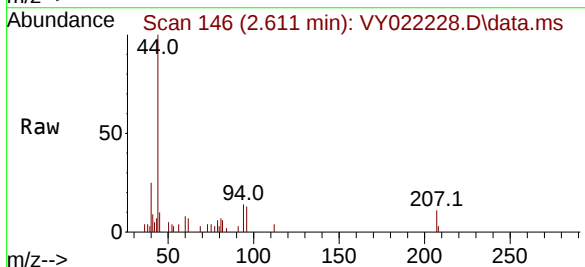
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MSVOA_Y
ClientSampleId :
EO-02-05092025

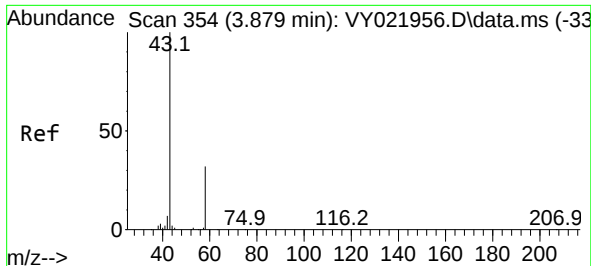
Tgt Ion:168 Resp: 30038
Ion Ratio Lower Upper
168 100
99 53.8 43.1 64.7



#5
Bromomethane
Concen: 1.218 ug/l
RT: 2.611 min Scan# 146
Delta R.T. 0.018 min
Lab File: VY022228.D
Acq: 12 May 2025 16:33

Tgt Ion: 94 Resp: 470
Ion Ratio Lower Upper
94 100
96 50.0 74.6 111.8#

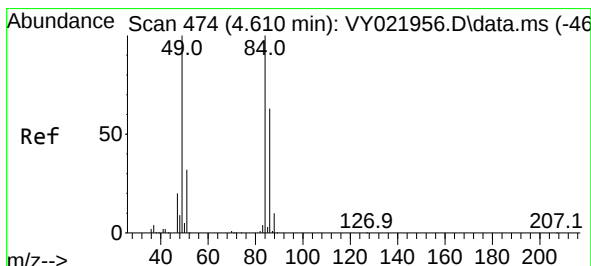
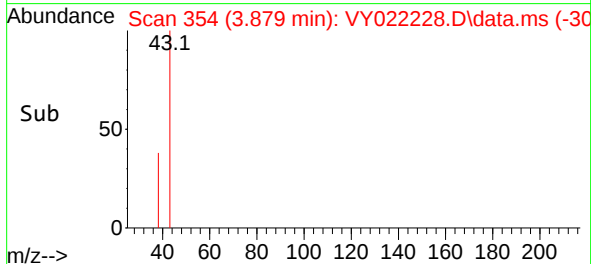
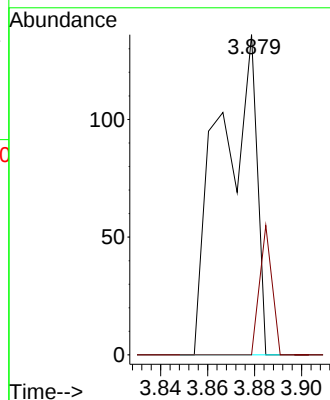
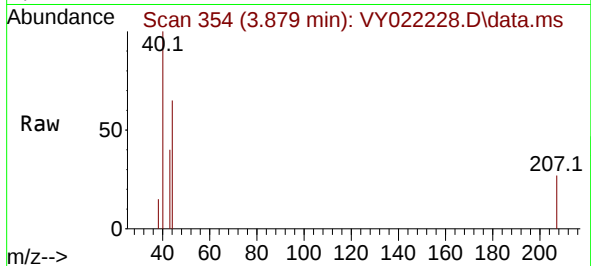




#16
Acetone
Concen: Below Cal
RT: 3.879 min Scan# 31
Delta R.T. -0.000 min
Lab File: VY022228.D
Acq: 12 May 2025 16:33

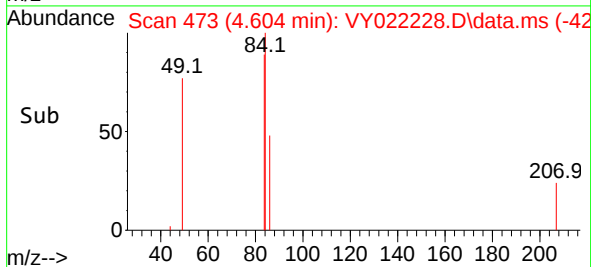
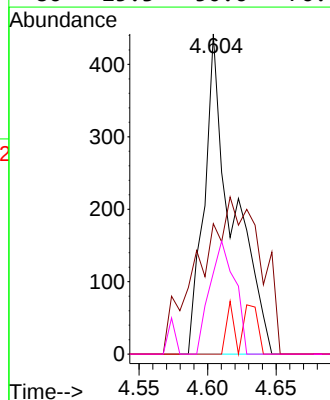
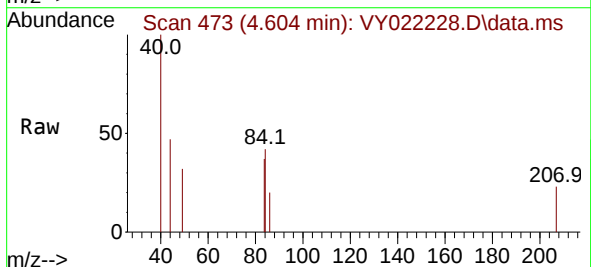
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ClientSampleId :
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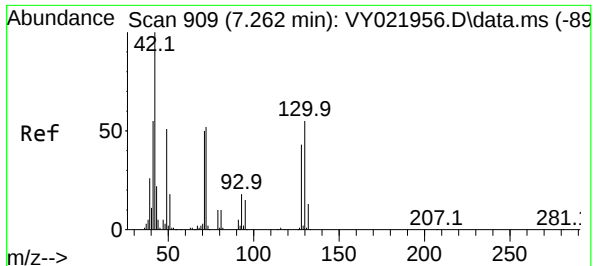
Tgt Ion: 43 Resp: 147
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.4#



#20
Methylene Chloride
Concen: 1.819 ug/l
RT: 4.604 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY022228.D
Acq: 12 May 2025 16:33

Tgt Ion: 84 Resp: 638
Ion Ratio Lower Upper
84 100
49 40.7 79.9 119.9#
51 0.0 25.4 38.0#
86 25.3 50.6 76.0#

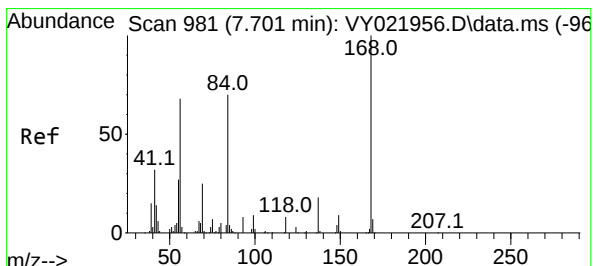
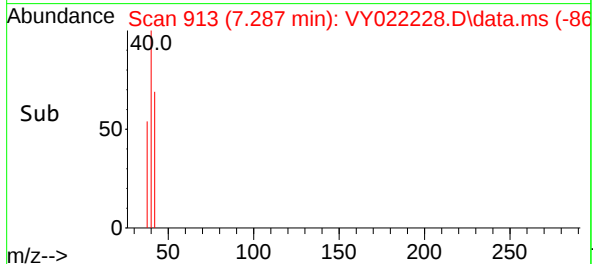
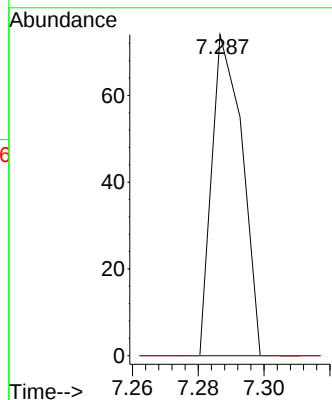
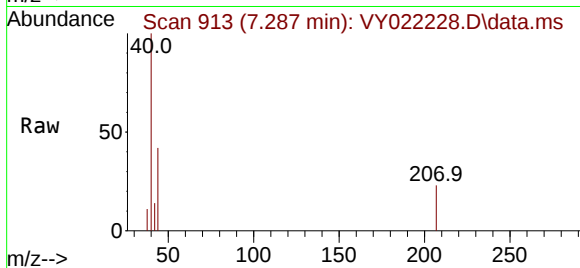




#29
Tetrahydrofuran
Concen: 1.144 ug/l
RT: 7.287 min Scan# 913
Delta R.T. 0.024 min
Lab File: VY022228.D
Acq: 12 May 2025 16:33

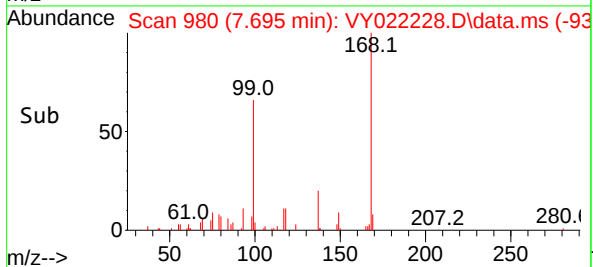
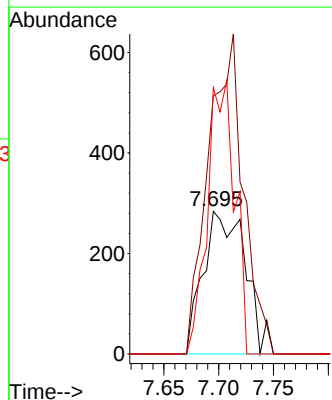
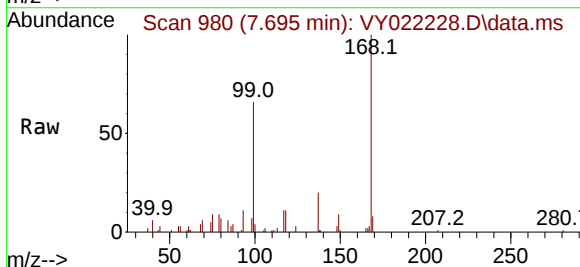
Instrument :
MSVOA_Y
ClientSampleId :
EO-02-05092025

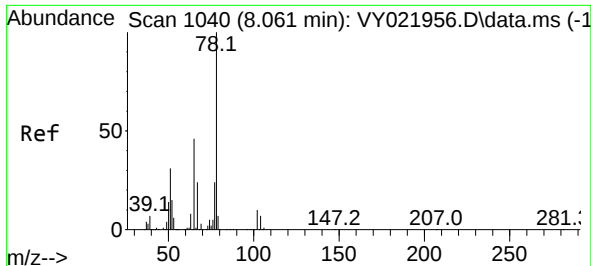
Tgt Ion: 42 Resp: 47
Ion Ratio Lower Upper
42 100
72 0.0 42.6 63.8#
71 0.0 40.6 61.0#



#31
Cyclohexane
Concen: 1.661 ug/l
RT: 7.695 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY022228.D
Acq: 12 May 2025 16:33

Tgt Ion: 56 Resp: 762
Ion Ratio Lower Upper
56 100
69 181.0 29.4 44.2#
84 186.6 82.2 123.4#





#33

1,2-Dichloroethane-d4

Concen: 79.126 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY022228.D

Acq: 12 May 2025 16:33

Instrument :

MSVOA_Y

ClientSampleId :

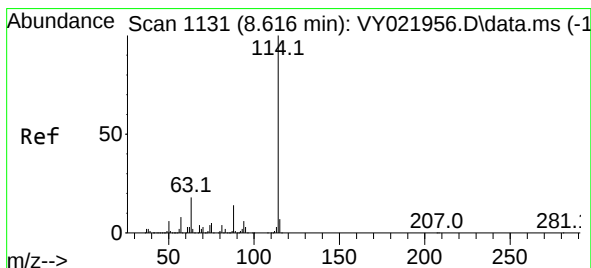
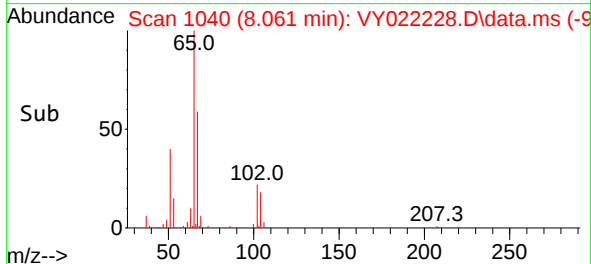
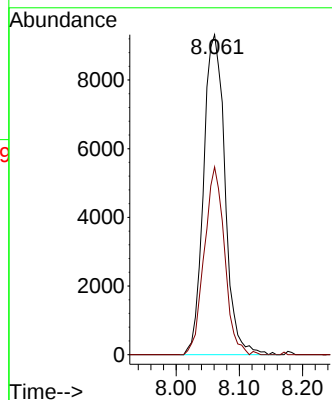
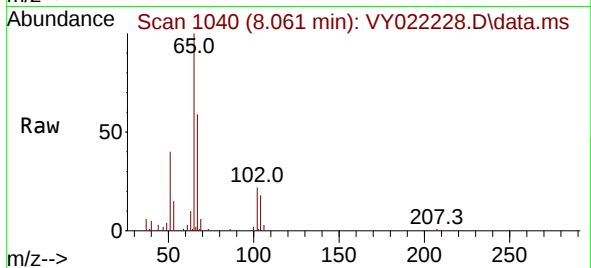
EO-02-05092025

Tgt Ion: 65 Resp: 21954

Ion Ratio Lower Upper

65 100

67 55.6 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: VY022228.D

Acq: 12 May 2025 16:33

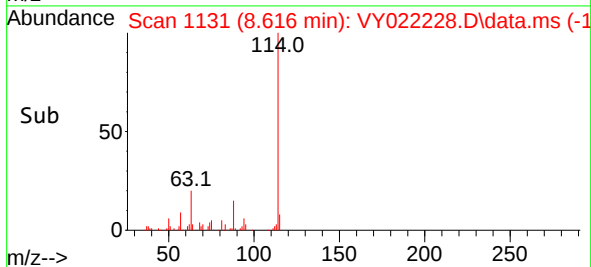
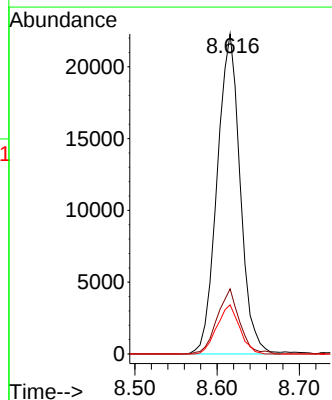
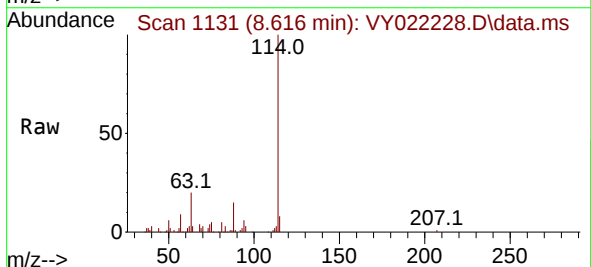
Tgt Ion: 114 Resp: 43417

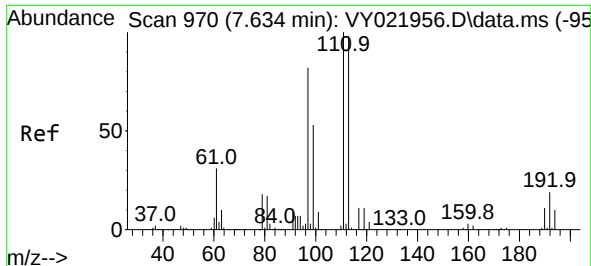
Ion Ratio Lower Upper

114 100

63 20.4 0.0 35.4

88 15.3 0.0 28.2





#35

Dibromofluoromethane

Concen: 78.170 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY022228.D

Acq: 12 May 2025 16:33

Instrument :

MSVOA_Y

ClientSampleId :

EO-02-05092025

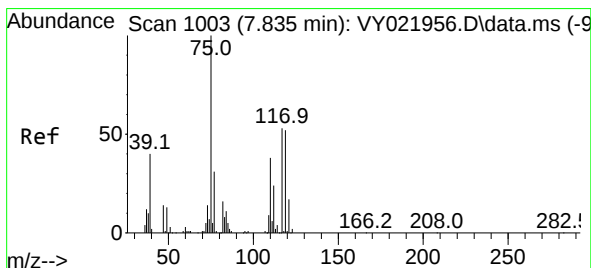
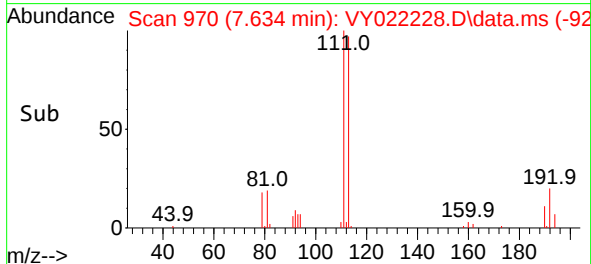
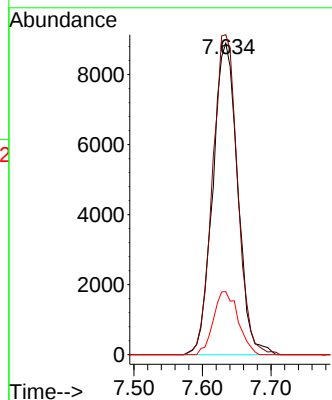
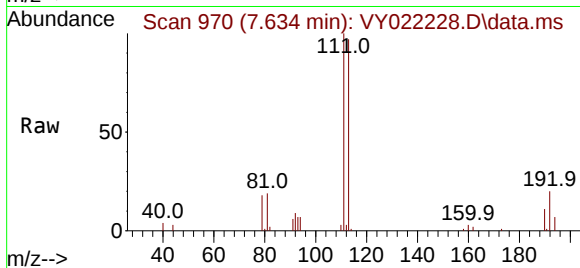
Tgt Ion:113 Resp: 22422

Ion Ratio Lower Upper

113 100

111 102.8 81.8 122.8

192 20.1 15.6 23.4



#36

1,1-Dichloropropene

Concen: 5.853 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY022228.D

Acq: 12 May 2025 16:33

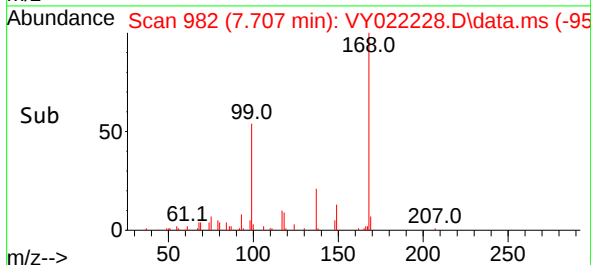
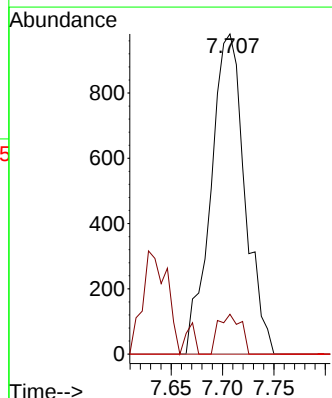
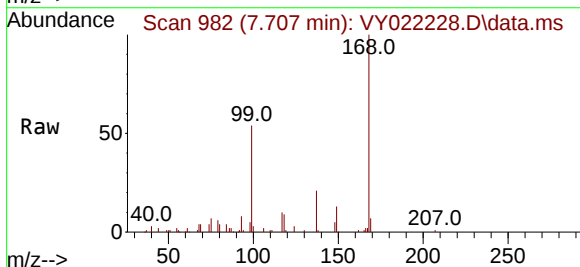
Tgt Ion: 75 Resp: 2255

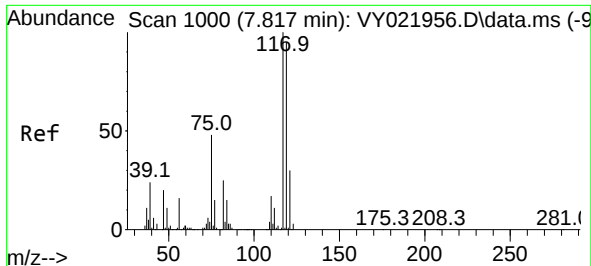
Ion Ratio Lower Upper

75 100

110 8.3 19.1 57.3#

77 0.0 25.5 38.3#

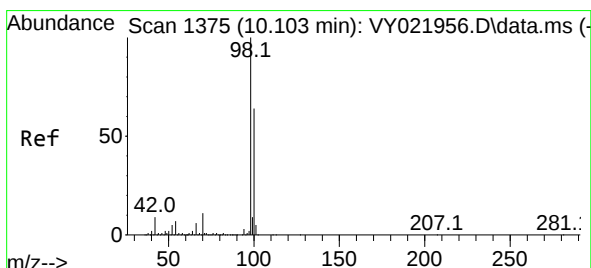
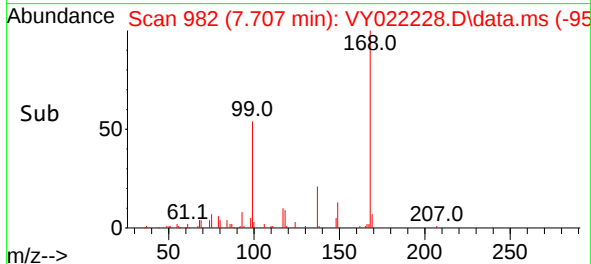
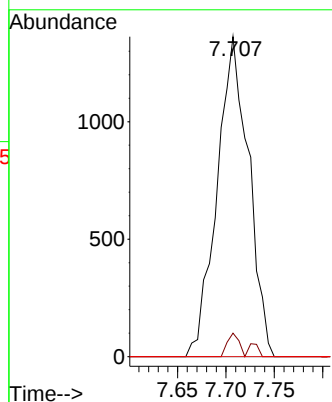
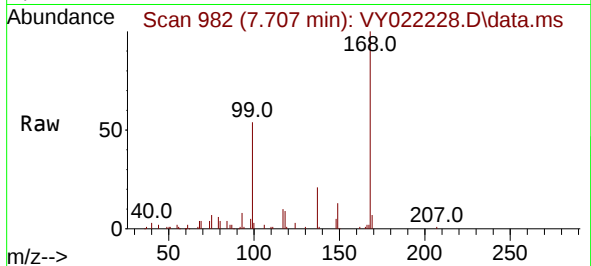




#38
Carbon Tetrachloride
Concen: 6.733 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022228.D
Acq: 12 May 2025 16:33

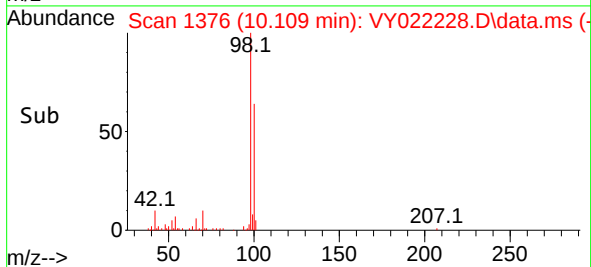
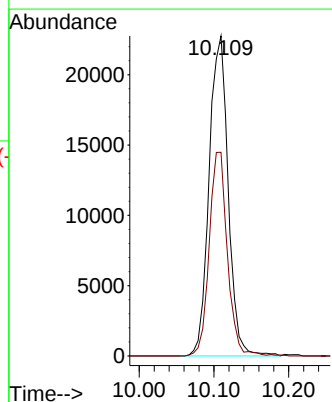
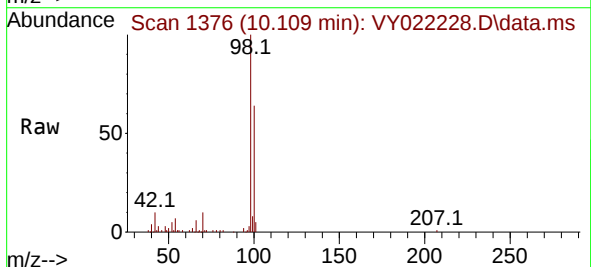
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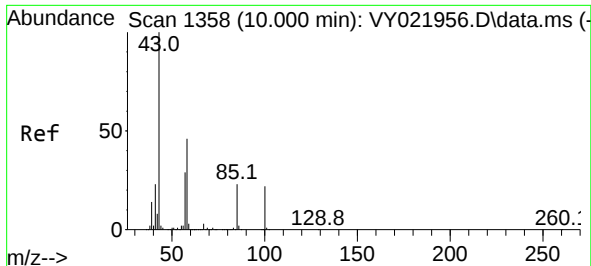
Tgt Ion:117 Resp: 3100
Ion Ratio Lower Upper
117 100
119 7.3 76.2 114.4#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 37.346 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022228.D
Acq: 12 May 2025 16:33

Tgt Ion: 98 Resp: 40385
Ion Ratio Lower Upper
98 100
100 60.6 51.6 77.4

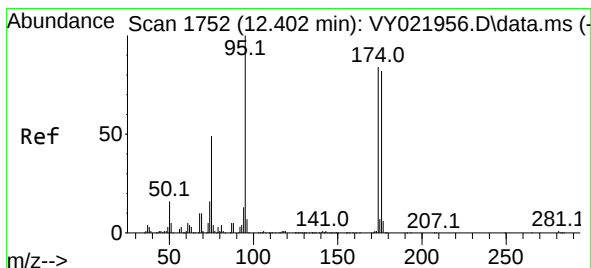
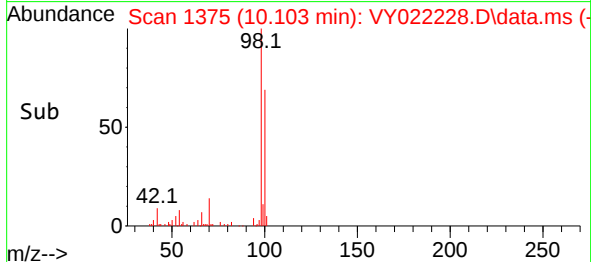
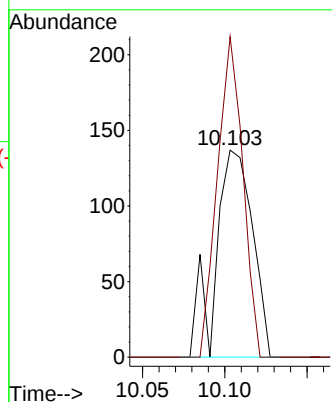
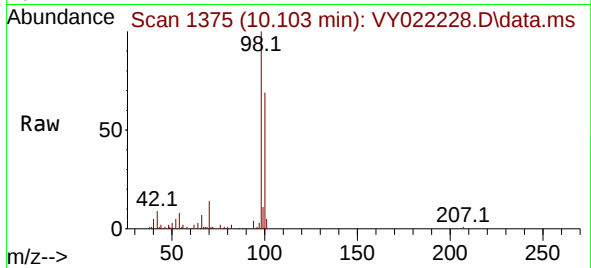




#51
4-Methyl-2-Pentanone
Concen: 1.536 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY022228.D
Acq: 12 May 2025 16:33

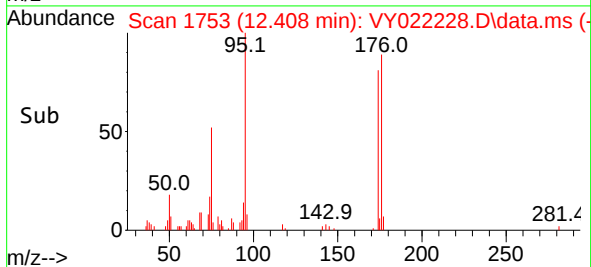
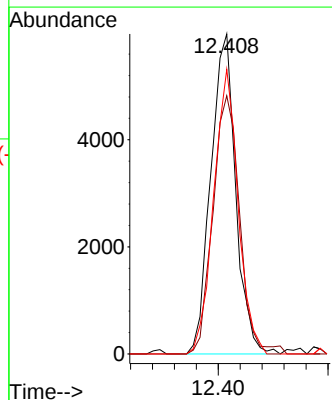
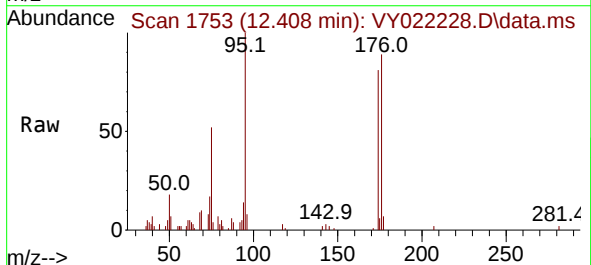
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EO-02-05092025

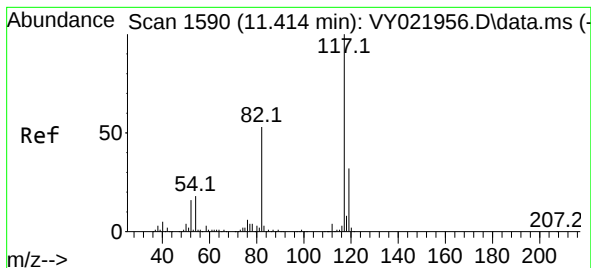
Tgt Ion: 43 Resp: 214
Ion Ratio Lower Upper
43 100
58 107.0 36.6 55.0#



#62
4-Bromofluorobenzene
Concen: 25.921 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022228.D
Acq: 12 May 2025 16:33

Tgt Ion: 95 Resp: 9436
Ion Ratio Lower Upper
95 100
174 86.6 0.0 179.0
176 87.4 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 117

Delta R.T. -0.000 min

Lab File: VY022228.D

Acq: 12 May 2025 16:33

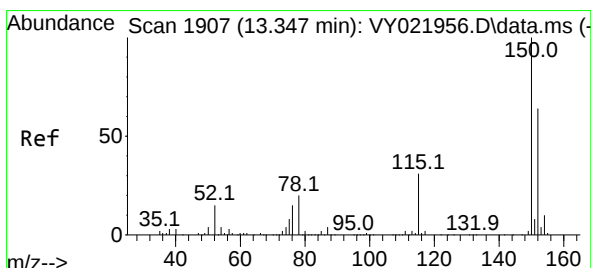
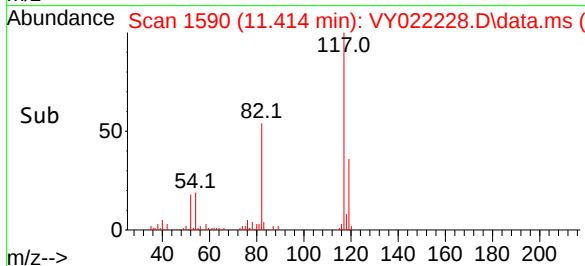
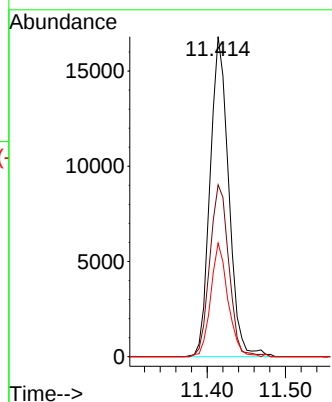
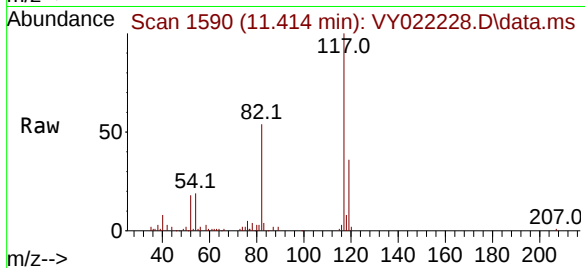
Instrument :

MSVOA_Y

ClientSampleId :

EO-02-05092025

Tgt Ion:	117	Resp:	27727
Ion Ratio	Lower	Upper	
117	100		
82	53.7	42.1	63.1
119	35.5	25.7	38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

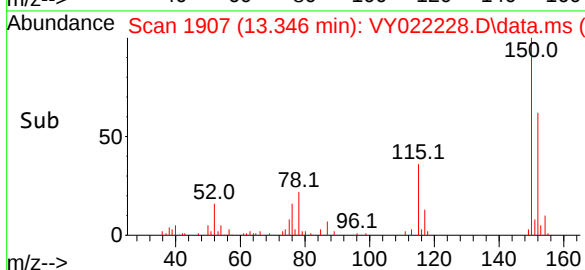
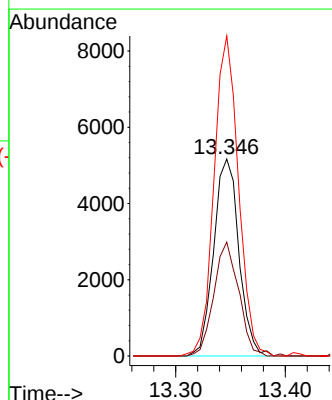
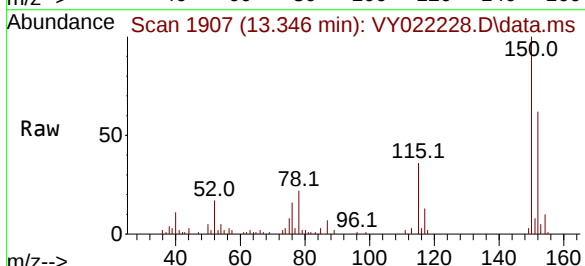
RT: 13.346 min Scan# 1907

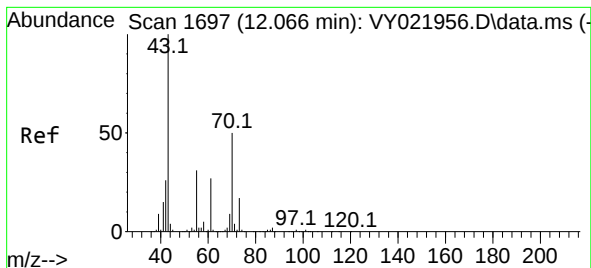
Delta R.T. -0.000 min

Lab File: VY022228.D

Acq: 12 May 2025 16:33

Tgt Ion:	152	Resp:	8262
Ion Ratio	Lower	Upper	
152	100		
115	56.8	28.0	84.0
150	157.0	0.0	345.6





#74

N-amy1 acetate

Concen: 1.286 ug/l

RT: 12.036 min Scan# 1

Delta R.T. -0.031 min

Lab File: VY022228.D

Acq: 12 May 2025 16:33

Instrument :

MSVOA_Y

ClientSampleId :

EO-02-05092025

Tgt Ion: 43 Resp: 122

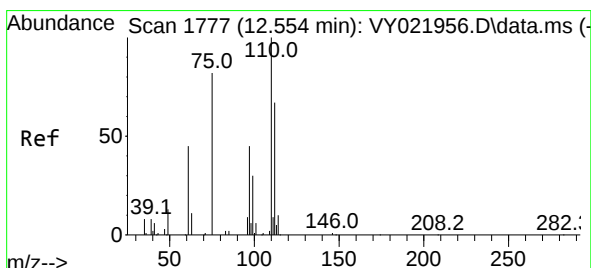
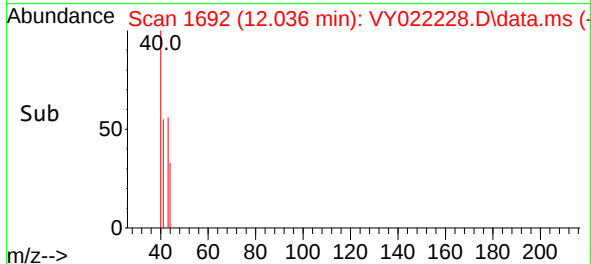
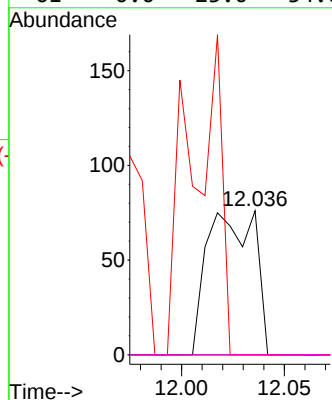
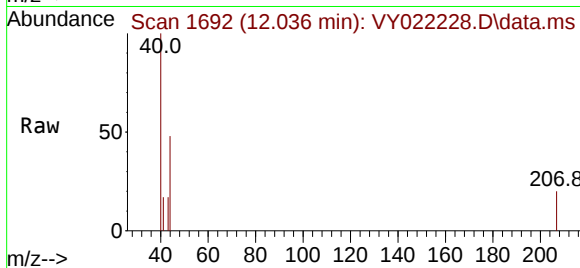
Ion Ratio Lower Upper

43 100

70 0.0 43.2 64.8#

55 145.9 25.7 38.5#

61 0.0 23.0 34.6#



#76

1,2,3-Trichloropropane

Concen: 69.396 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY022228.D

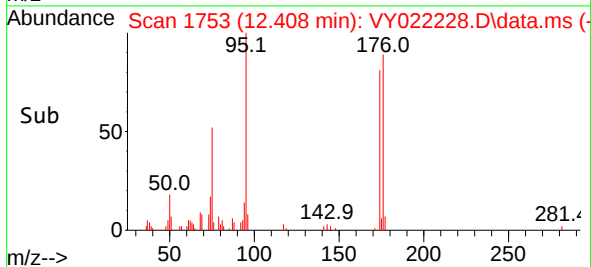
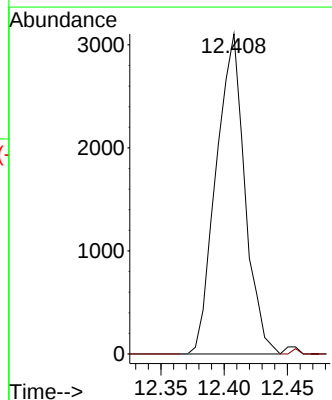
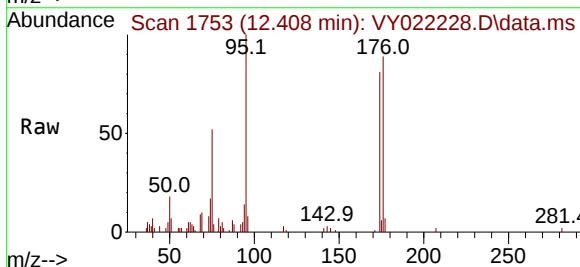
Acq: 12 May 2025 16:33

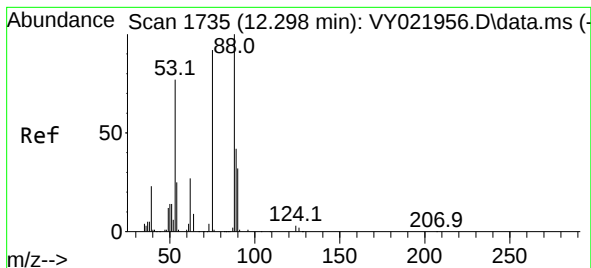
Tgt Ion: 75 Resp: 4911

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

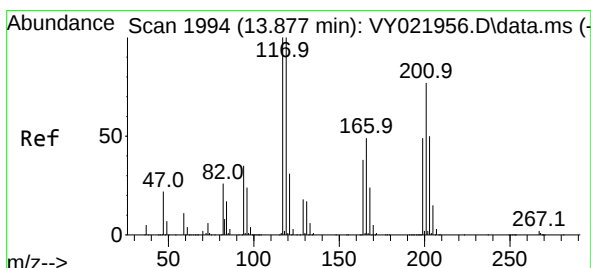
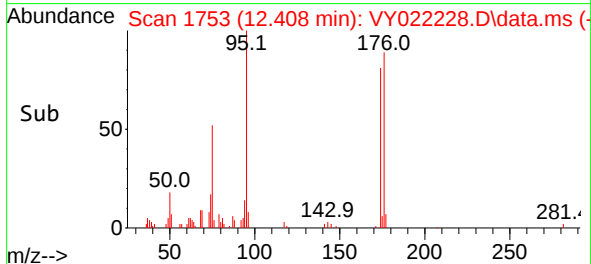
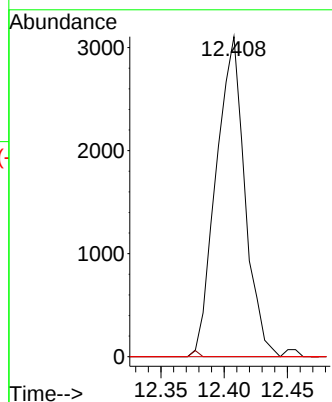
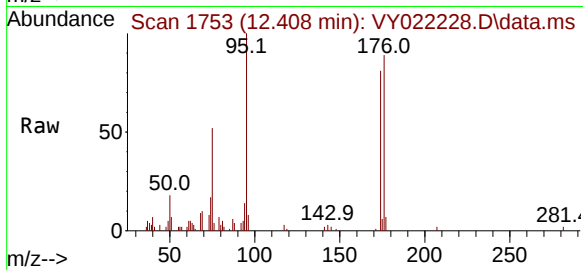




#81
 trans-1,4-Dichloro-2-butene
 Concen: 167.115 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY022228.D
 Acq: 12 May 2025 16:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-02-05092025

Tgt Ion: 75 Resp: 4911
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.0 99.0#
 89 0.0 37.2 55.8#



#90
 Hexachloroethane
 Concen: 2.658 ug/l
 RT: 13.895 min Scan# 1997
 Delta R.T. 0.018 min
 Lab File: VY022228.D
 Acq: 12 May 2025 16:33

Tgt Ion: 117 Resp: 296
 Ion Ratio Lower Upper
 117 100
 201 0.0 38.7 116.1#

