

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041825\
 Data File : VY021926.D
 Acq On : 18 Apr 2025 13:23
 Operator : SY/MD
 Sample : Q1832-08
 Misc : 5.86g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PL-714-VOC-02

Quant Time: Apr 19 01:12:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

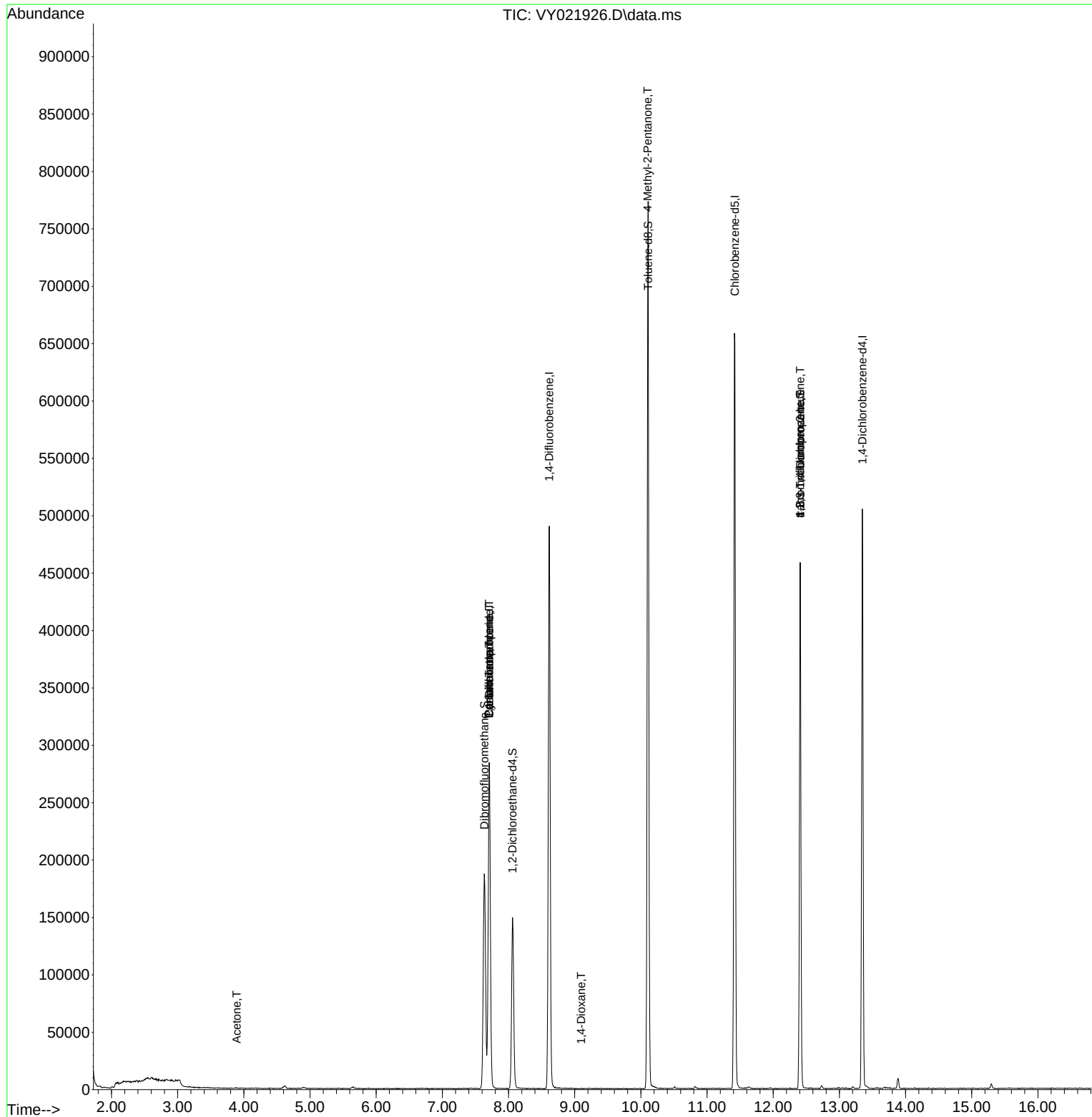
Internal Standards						
1) Pentafluorobenzene	7.707	168	213043	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	404581	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	343654	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	123190	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	119093	51.594	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.180%	
35) Dibromofluoromethane	7.634	113	133248	50.772	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.540%	
50) Toluene-d8	10.109	98	486125	48.689	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.380%	
62) 4-Bromofluorobenzene	12.408	95	131862	39.046	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 78.100%	
Target Compounds						
					Qvalue	
16) Acetone	3.891	43	527	1.116	ug/l #	78
20) Methylene Chloride	4.622	84	1373	Below Cal	#	66
31) Cyclohexane	7.707	56	5139	1.261	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	17048	4.265	ug/l #	51
38) Carbon Tetrachloride	7.707	117	22421	4.897	ug/l #	17
49) 1,4-Dioxane	9.097	88	52	2.972	ug/l #	21
51) 4-Methyl-2-Pentanone	10.103	43	2018	1.085	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	69429	56.856	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	69429	131.007	ug/l #	12

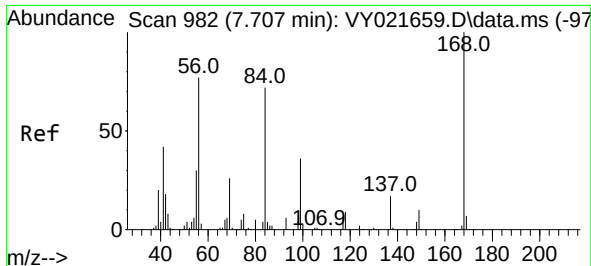
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

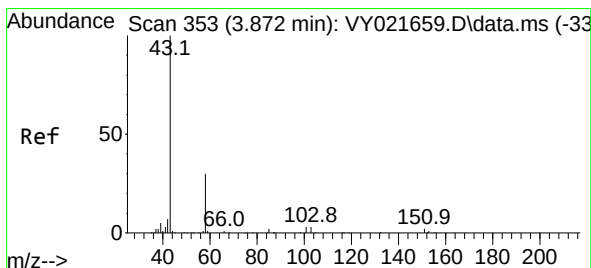
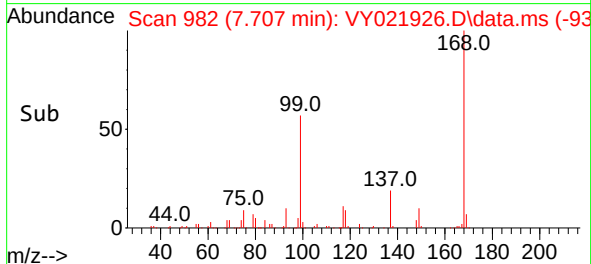
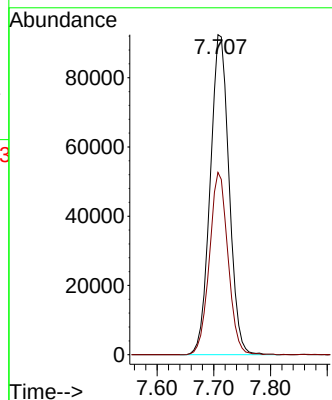
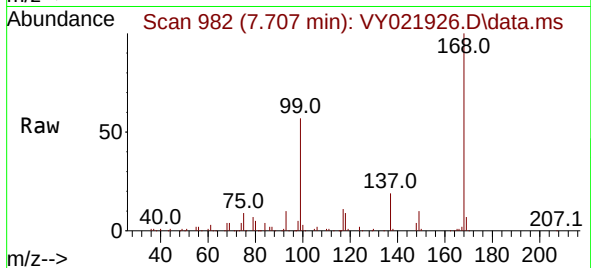




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021926.D
Acq: 18 Apr 2025 13:23

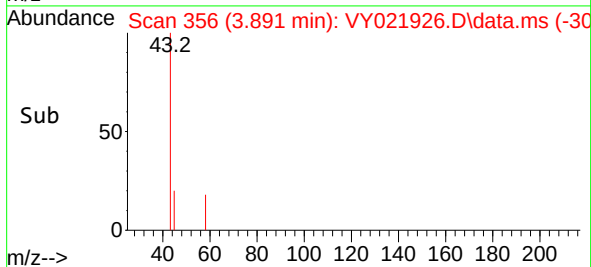
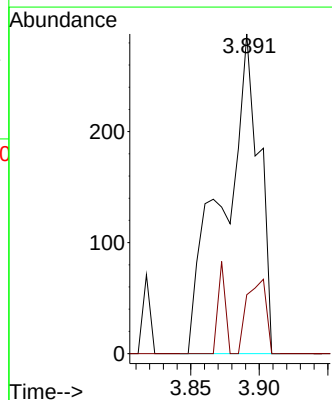
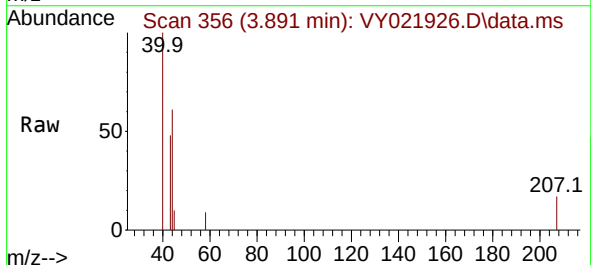
Instrument :
MSVOA_Y
ClientSampleId :
PL-714-VOC-02

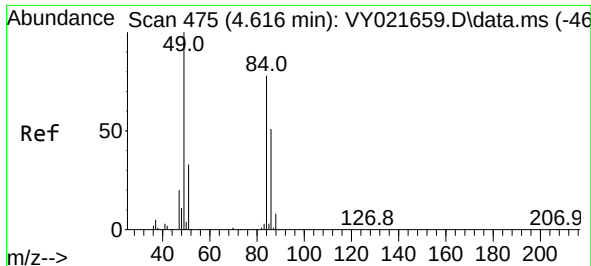
Tgt Ion:168 Resp: 213043
Ion Ratio Lower Upper
168 100
99 56.9 46.7 70.1



#16
Acetone
Concen: 1.116 ug/l
RT: 3.891 min Scan# 356
Delta R.T. 0.018 min
Lab File: VY021926.D
Acq: 18 Apr 2025 13:23

Tgt Ion: 43 Resp: 527
Ion Ratio Lower Upper
43 100
58 18.4 24.2 36.4#

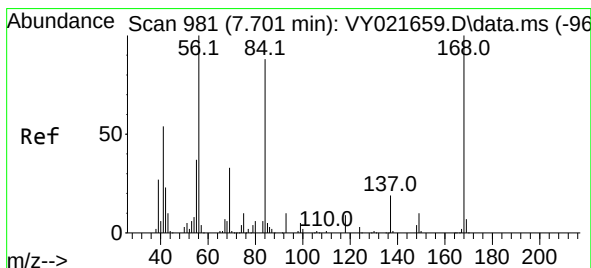
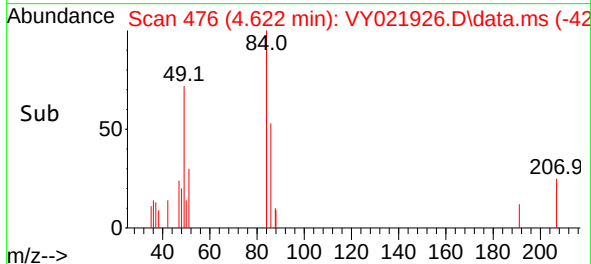
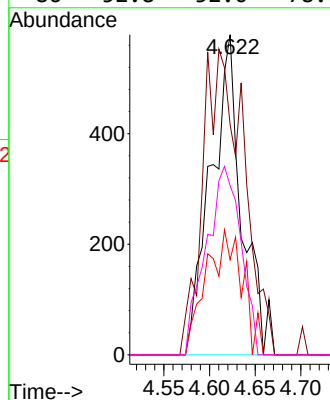
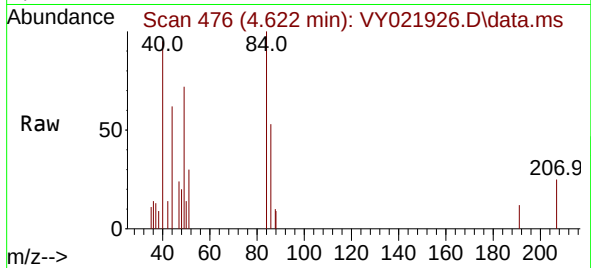




#20
Methylene Chloride
Concen: Below Cal
RT: 4.622 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY021926.D
Acq: 18 Apr 2025 13:23

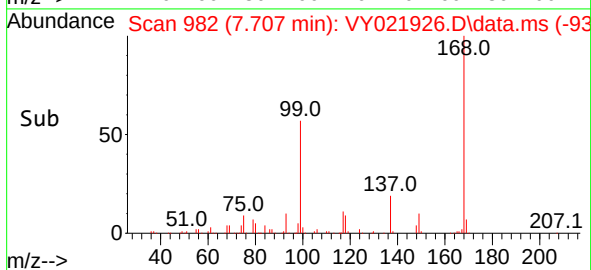
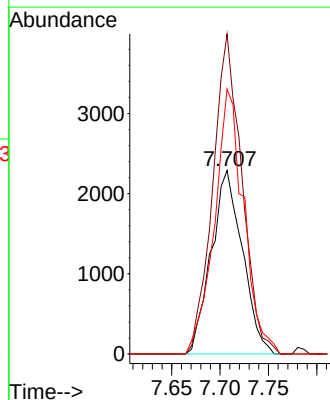
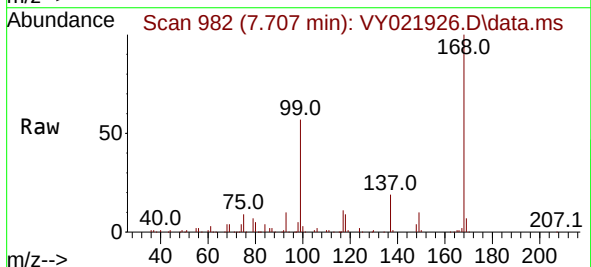
Instrument :
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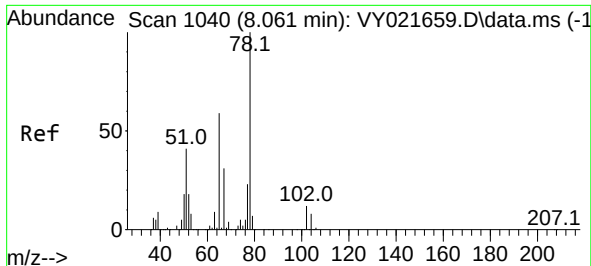
Tgt Ion:	84	Resp:	1373
Ion	Ratio	Lower	Upper
84	100		
49	71.8	102.8	154.2#
51	29.7	33.5	50.3#
86	52.8	52.0	78.0



#31
Cyclohexane
Concen: 1.261 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY021926.D
Acq: 18 Apr 2025 13:23

Tgt Ion:	56	Resp:	5139
Ion	Ratio	Lower	Upper
56	100		
69	174.4	26.6	40.0#
84	144.4	69.0	103.4#

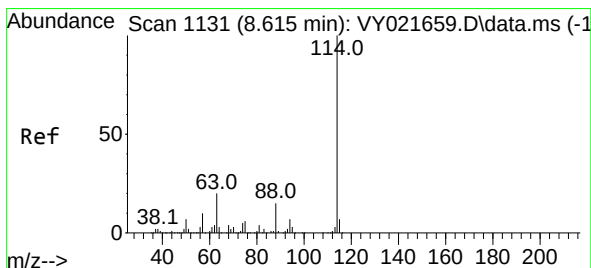
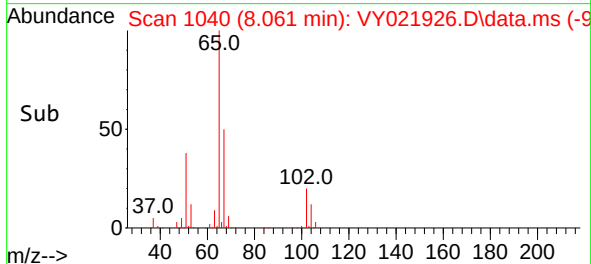
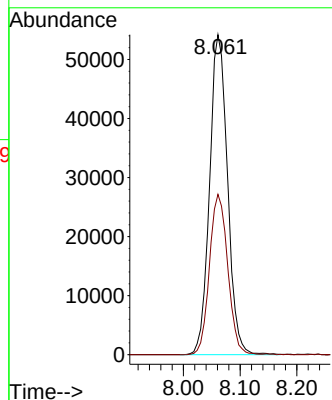
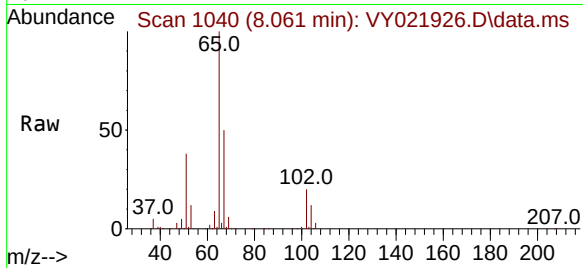




#33
 1,2-Dichloroethane-d4
 Concen: 51.594 ug/l
 RT: 8.061 min Scan# 11040
 Delta R.T. 0.000 min
 Lab File: VY021926.D
 Acq: 18 Apr 2025 13:23

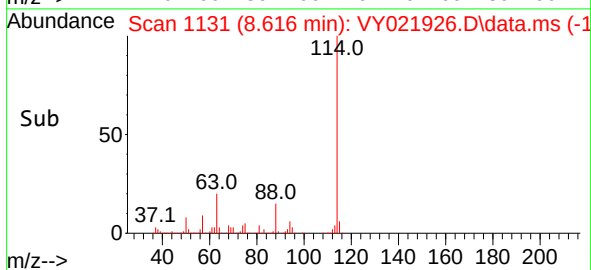
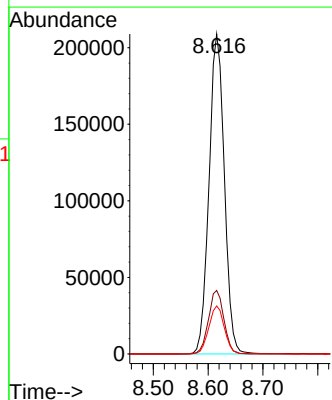
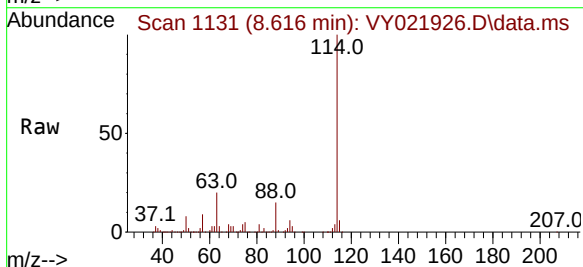
Instrument :
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 ClientSampleId :
 PL-714-VOC-02

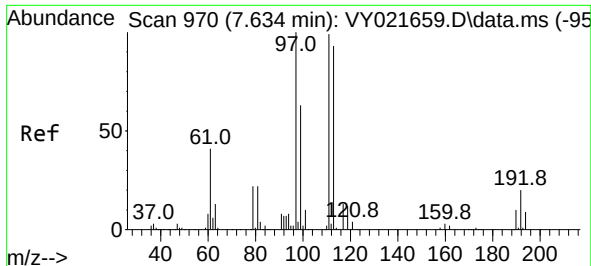
Tgt Ion: 65 Resp: 119093
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.616 min Scan# 1131
 Delta R.T. 0.000 min
 Lab File: VY021926.D
 Acq: 18 Apr 2025 13:23

Tgt Ion: 114 Resp: 404581
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.2
 88 15.0 0.0 29.8

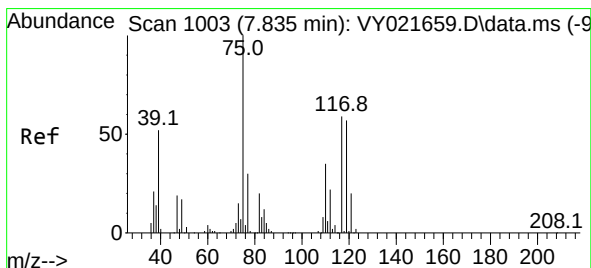
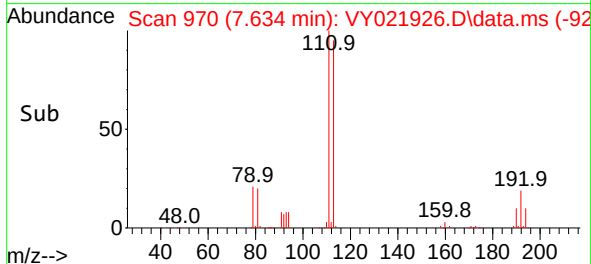
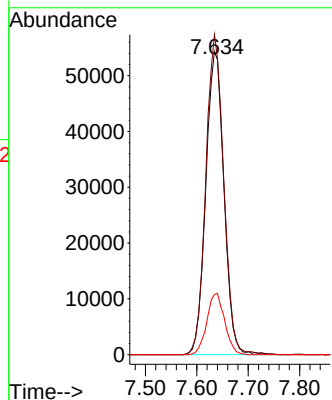
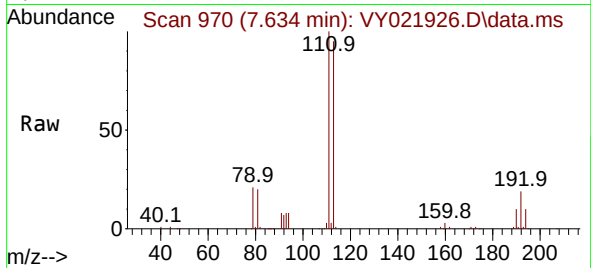




#35
Dibromofluoromethane
Concen: 50.772 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021926.D
Acq: 18 Apr 2025 13:23

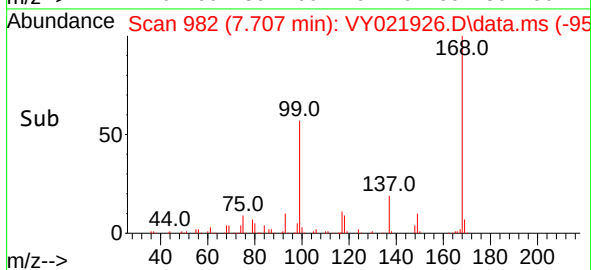
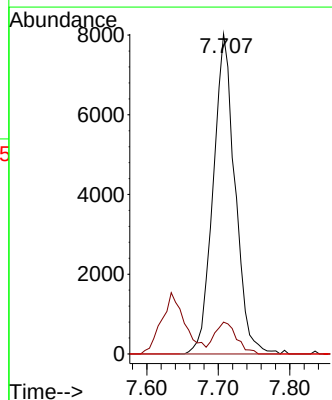
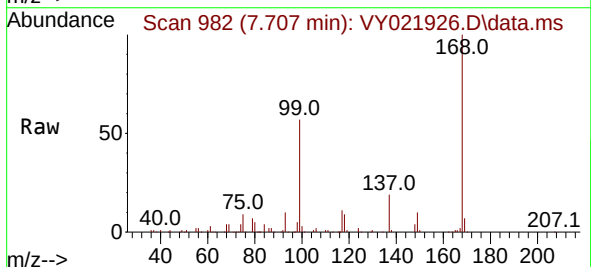
Instrument :
MSVOA_Y
ClientSampleId :
PL-714-VOC-02

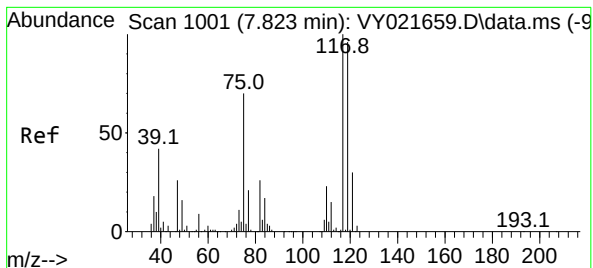
Tgt Ion:113 Resp: 133248
Ion Ratio Lower Upper
113 100
111 104.0 82.6 123.8
192 19.9 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.265 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021926.D
Acq: 18 Apr 2025 13:23

Tgt Ion: 75 Resp: 17048
Ion Ratio Lower Upper
75 100
110 10.0 17.0 50.9#
77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 4.897 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.116 min

Lab File: VY021926.D

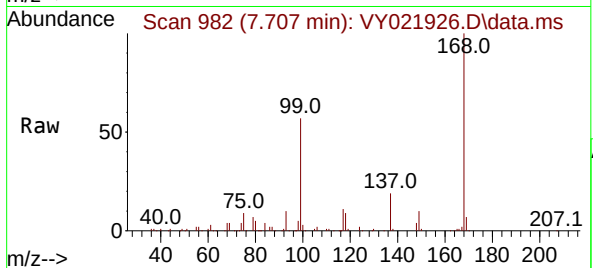
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Instrument :

MSVOA_Y

ClientSampleId :

PL-714-VOC-02



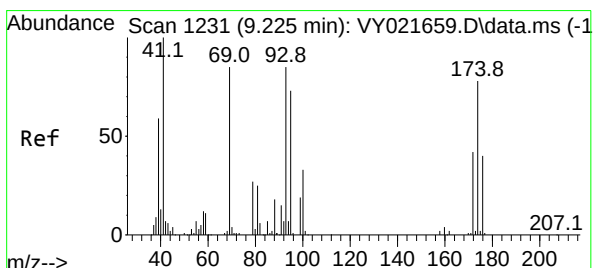
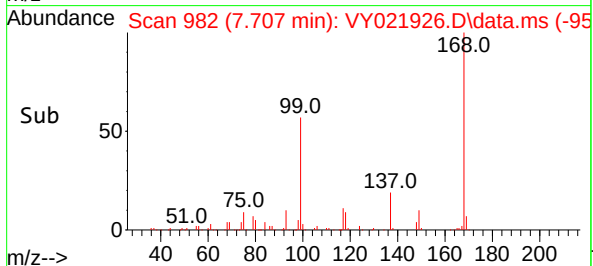
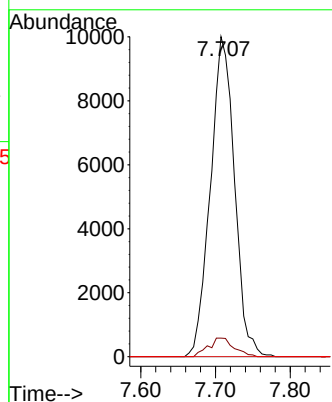
Tgt Ion: 117 Resp: 22421

Ion Ratio Lower Upper

117 100

119 5.8 76.2 114.4#

121 0.0 24.2 36.4#



#49

1,4-Dioxane

Concen: 2.972 ug/l

RT: 9.097 min Scan# 1210

Delta R.T. -0.128 min

Lab File: VY021926.D

Acq: 18 Apr 2025 13:23

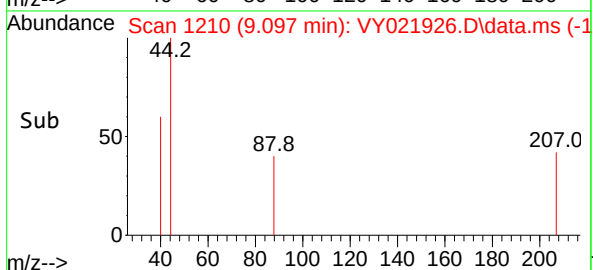
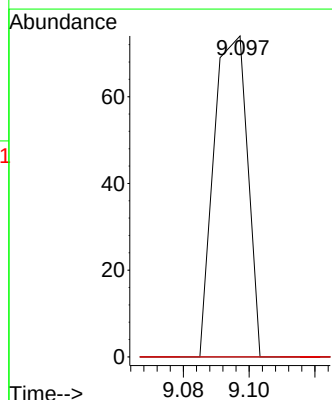
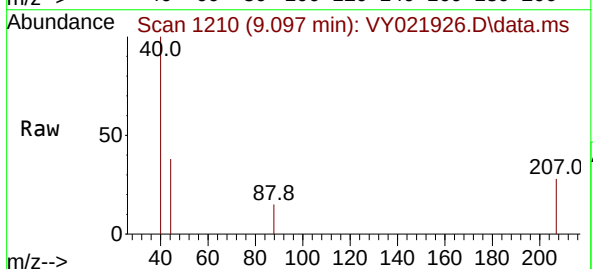
Tgt Ion: 88 Resp: 52

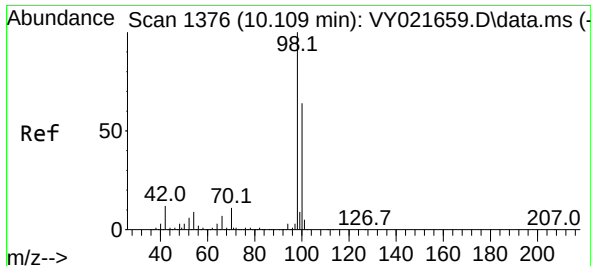
Ion Ratio Lower Upper

88 100

43 0.0 28.8 43.2#

58 0.0 59.4 89.2#

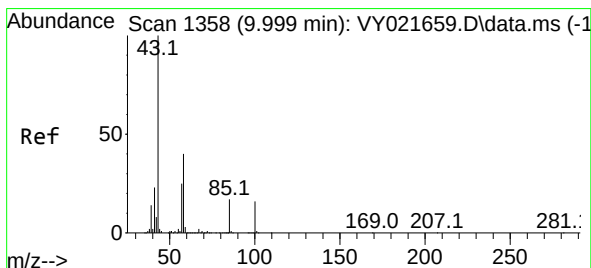
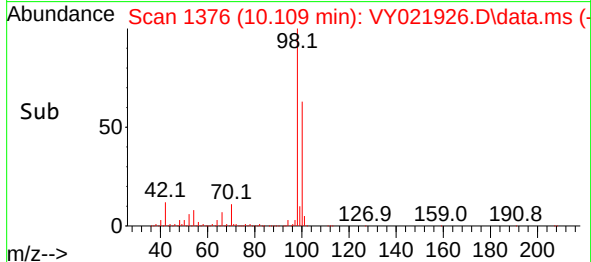
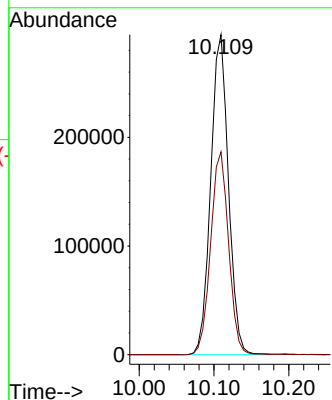
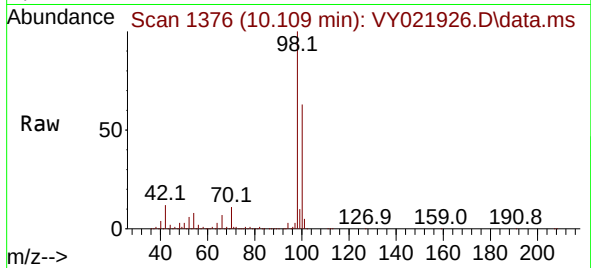




#50
Toluene-d8
Concen: 48.689 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021926.D
Acq: 18 Apr 2025 13:23

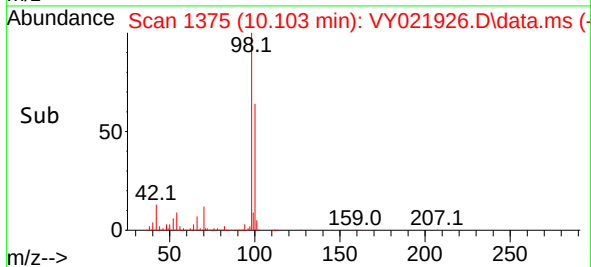
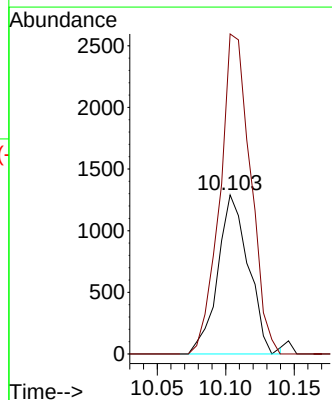
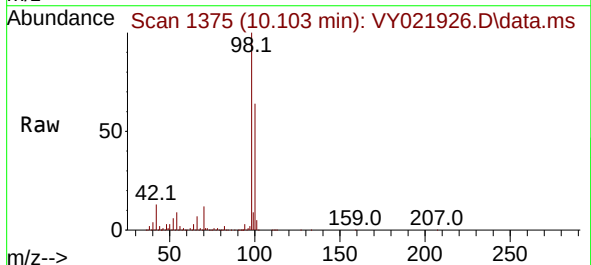
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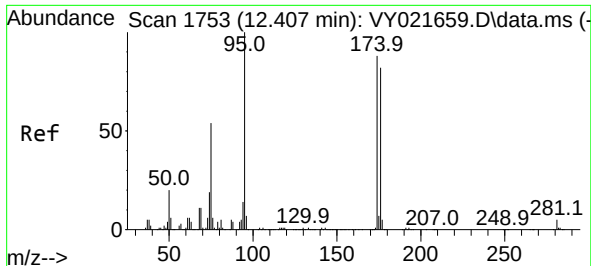
Tgt Ion: 98 Resp: 486125
Ion Ratio Lower Upper
98 100
100 64.3 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.085 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.104 min
Lab File: VY021926.D
Acq: 18 Apr 2025 13:23

Tgt Ion: 43 Resp: 2018
Ion Ratio Lower Upper
43 100
58 200.5 31.5 47.3#

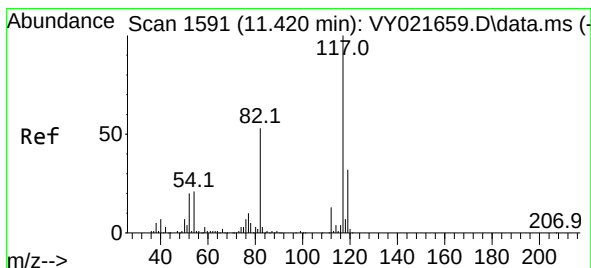
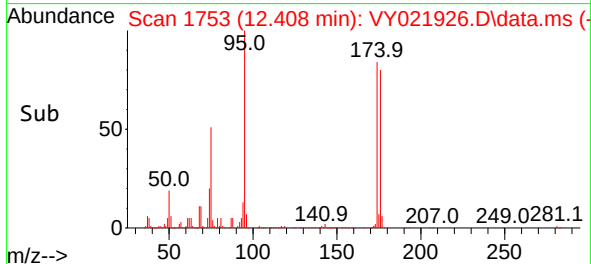
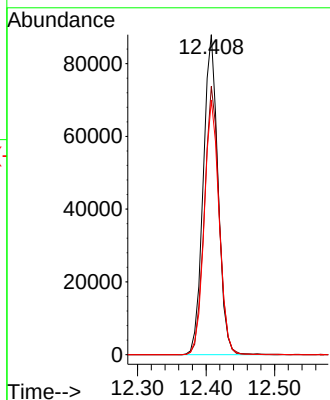
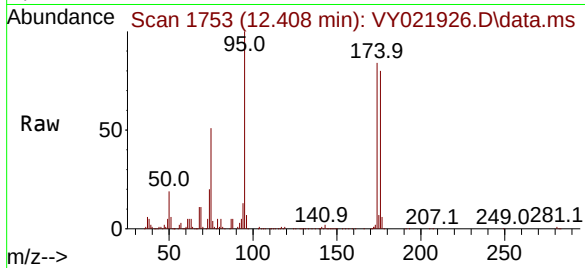




#62
4-Bromofluorobenzene
Concen: 39.046 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021926.D
Acq: 18 Apr 2025 13:23

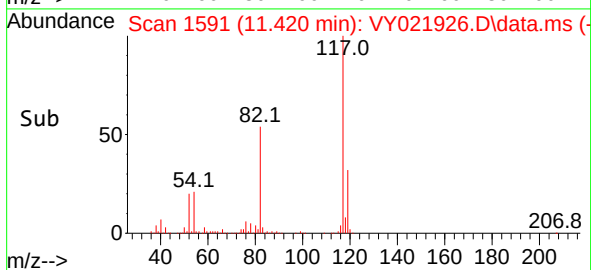
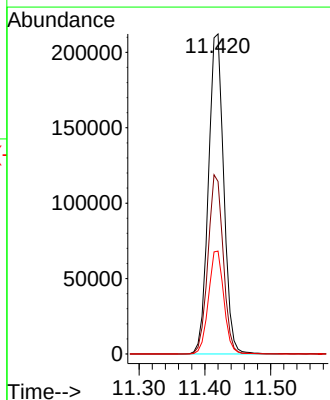
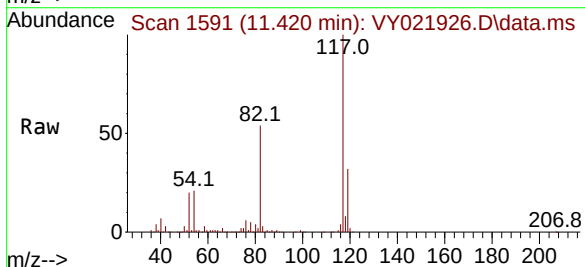
Instrument :
MSVOA_Y
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PL-714-VOC-02

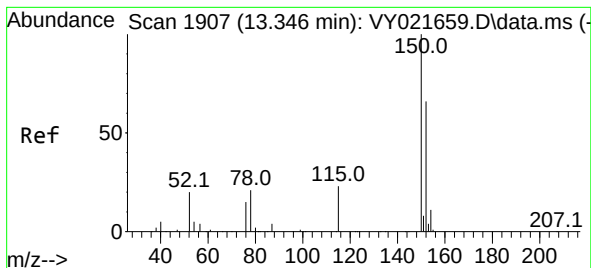
Tgt Ion: 95 Resp: 131862
Ion Ratio Lower Upper
95 100
174 83.7 0.0 170.8
176 80.1 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY021926.D
Acq: 18 Apr 2025 13:23

Tgt Ion: 117 Resp: 343654
Ion Ratio Lower Upper
117 100
82 53.9 42.8 64.2
119 32.1 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: VY021926.D

Acq: 18 Apr 2025 13:23

Instrument :

MSVOA_Y

ClientSampleId :

PL-714-VOC-02

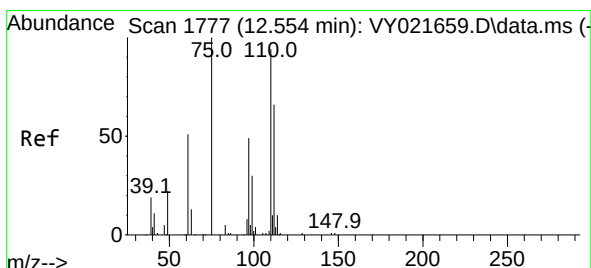
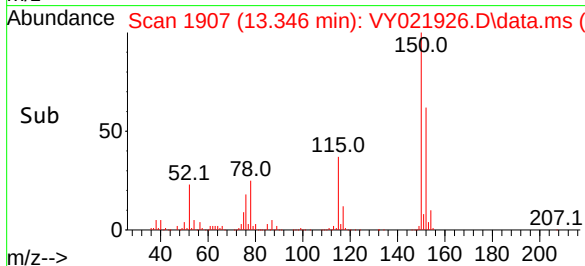
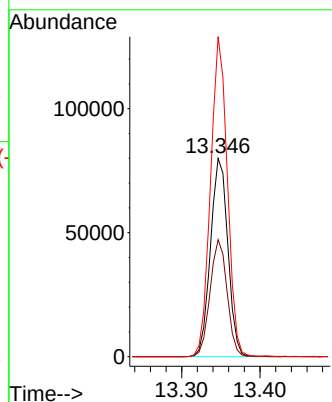
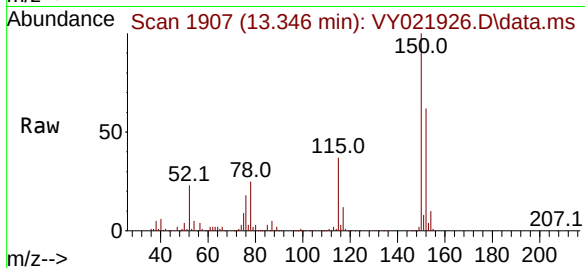
Tgt Ion:152 Resp: 123190

Ion Ratio Lower Upper

152 100

115 57.7 28.8 86.5

150 155.7 0.0 348.4



#76

1,2,3-Trichloropropane

Concen: 56.856 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY021926.D

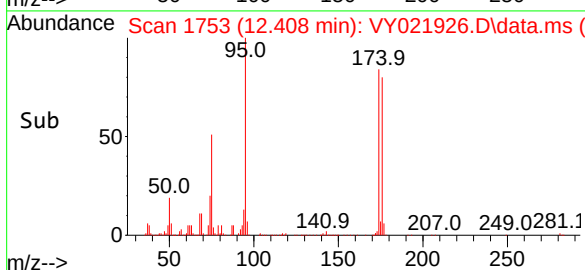
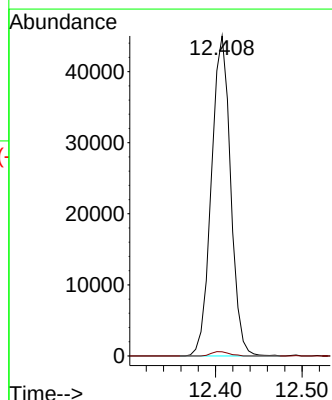
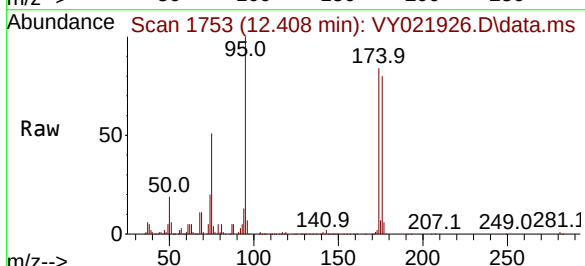
Acq: 18 Apr 2025 13:23

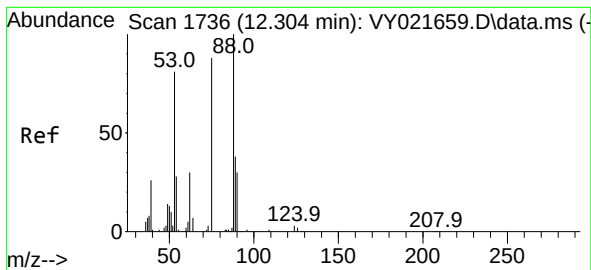
Tgt Ion: 75 Resp: 69429

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 131.007 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY021926.D
 Acq: 18 Apr 2025 13:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 PL-714-VOC-02

Tgt Ion: 75 Resp: 69429
 Ion Ratio Lower Upper
 75 100
 53 0.3 76.1 114.1#
 89 0.1 36.2 54.4#

