

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
 Data File : VY021947.D
 Acq On : 21 Apr 2025 14:44
 Operator : SY/MD
 Sample : Q1842-38
 Misc : 6.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PL-714-VOC-14

Quant Time: Apr 22 02:45:39 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)

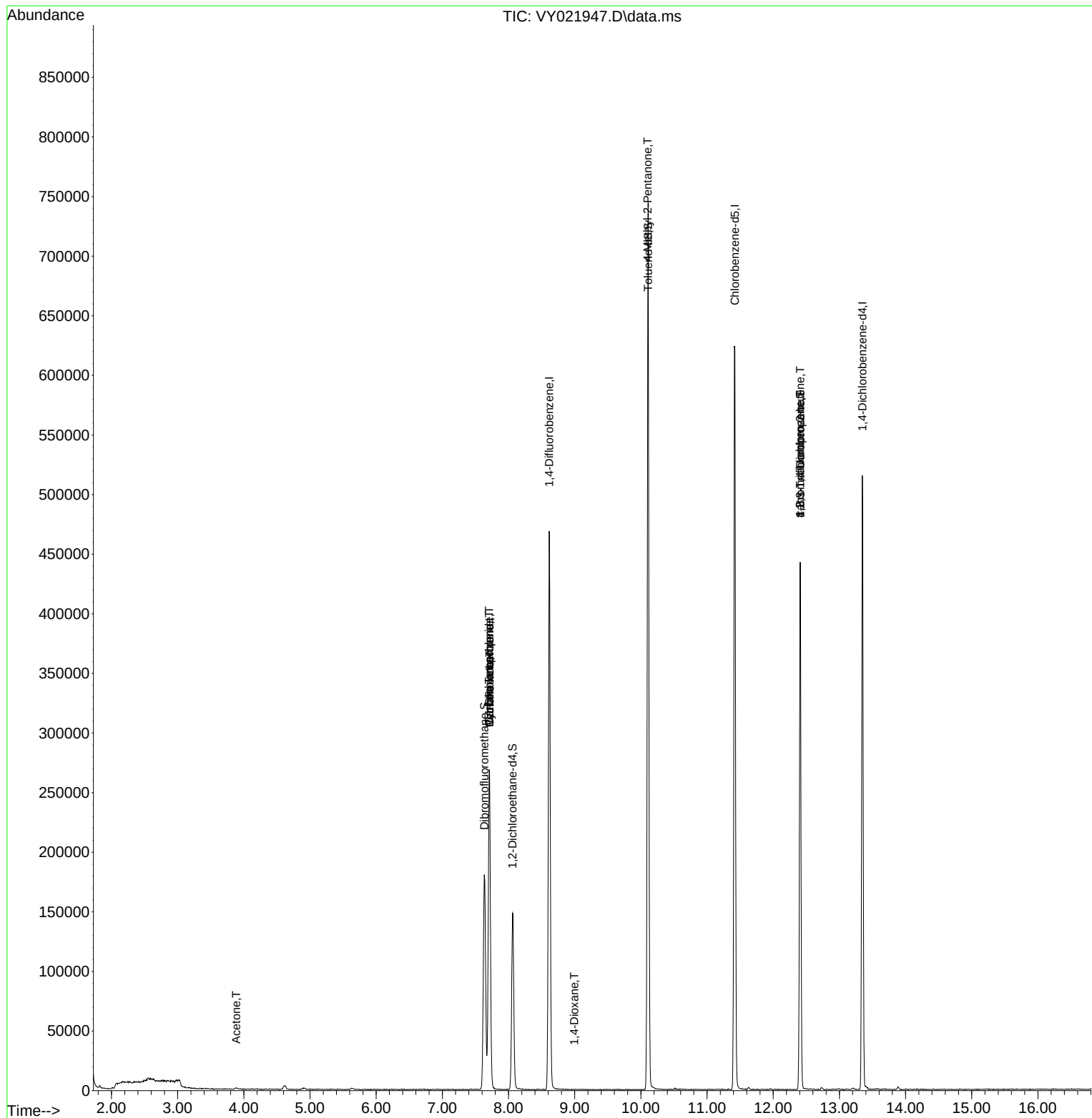
Internal Standards						
1) Pentafluorobenzene	7.713	168	202864	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	378989	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	333390	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	127027	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	118596	53.957	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.920%			
35) Dibromofluoromethane	7.634	113	129118	52.520	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.040%			
50) Toluene-d8	10.109	98	459454	49.126	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.260%			
62) 4-Bromofluorobenzene	12.408	95	129571	40.958	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 81.920%			
Target Compounds						
16) Acetone	3.885	43	2059	4.577	ug/l	99
20) Methylene Chloride	4.616	84	2090	Below Cal	#	89
31) Cyclohexane	7.713	56	4569	1.178	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	15939	4.257	ug/l #	51
38) Carbon Tetrachloride	7.707	117	20480	4.775	ug/l #	17
49) 1,4-Dioxane	8.994	88	20	1.220	ug/l #	1
51) 4-Methyl-2-Pentanone	10.103	43	2252	1.292	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	68326	54.263	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	68326	125.031	ug/l #	12

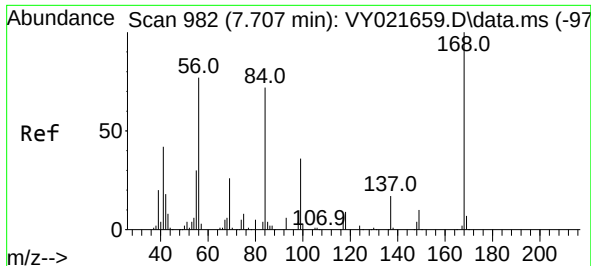
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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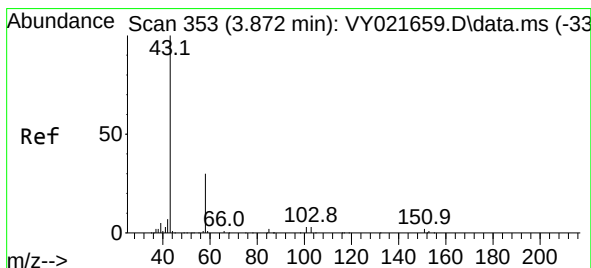
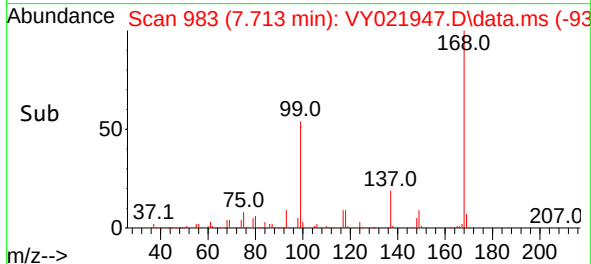
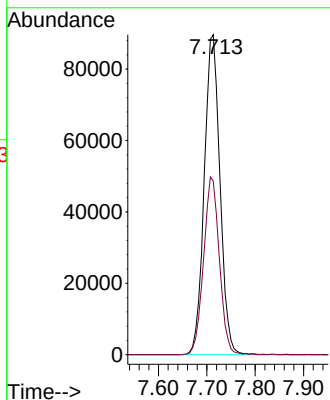
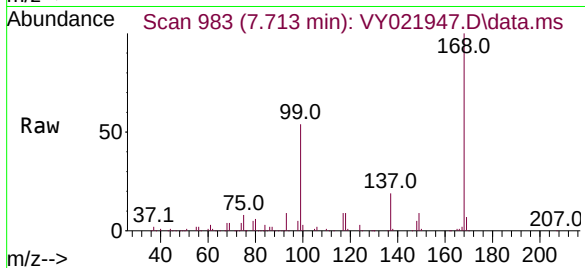




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021947.D
Acq: 21 Apr 2025 14:44

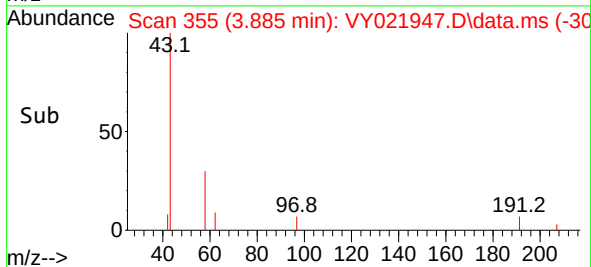
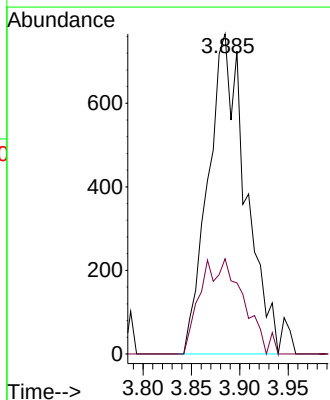
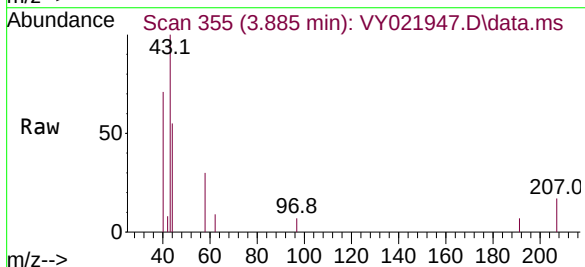
Instrument :
MSVOA_Y
ClientSampleId :
PL-714-VOC-14

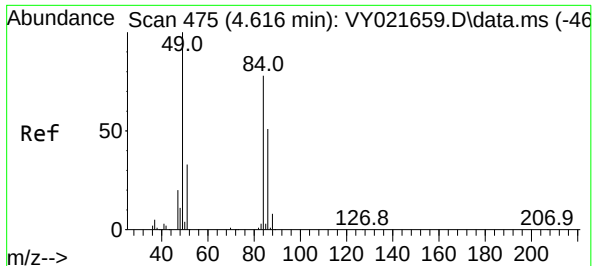
Tgt Ion:168 Resp: 202864
Ion Ratio Lower Upper
168 100
99 54.2 46.7 70.1



#16
Acetone
Concen: 4.577 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.012 min
Lab File: VY021947.D
Acq: 21 Apr 2025 14:44

Tgt Ion: 43 Resp: 2059
Ion Ratio Lower Upper
43 100
58 29.8 24.2 36.4



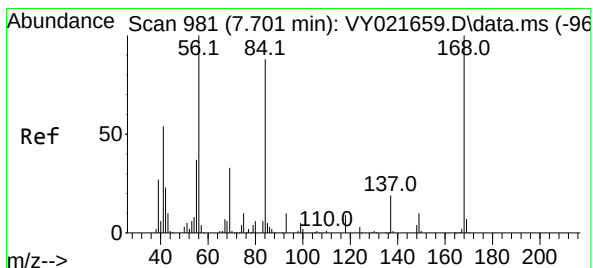
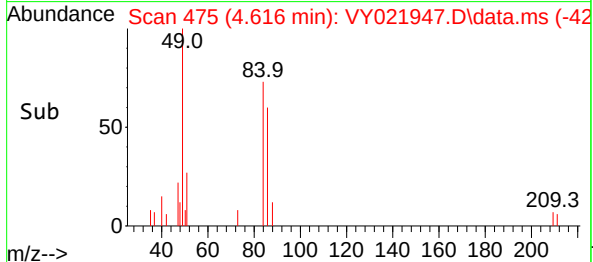
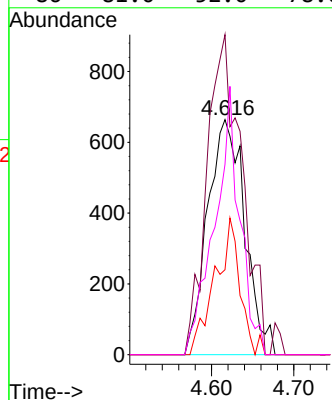
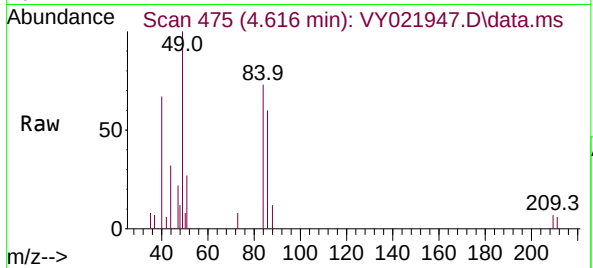


#20
Methylene Chloride
Concen: Below Cal
RT: 4.616 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY021947.D
Acq: 21 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
PL-714-VOC-14

Tgt Ion: 84 Resp: 2090

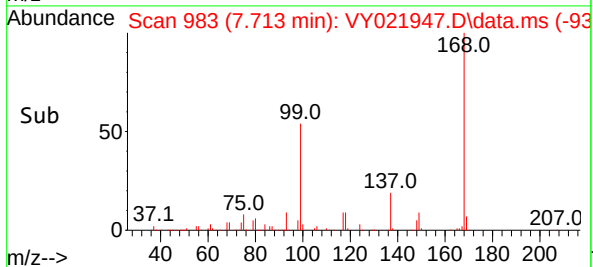
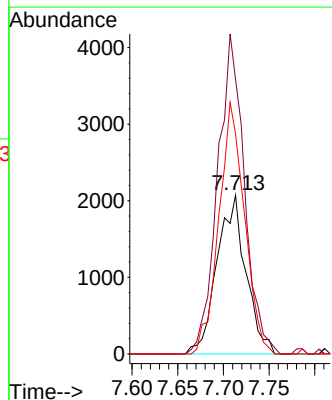
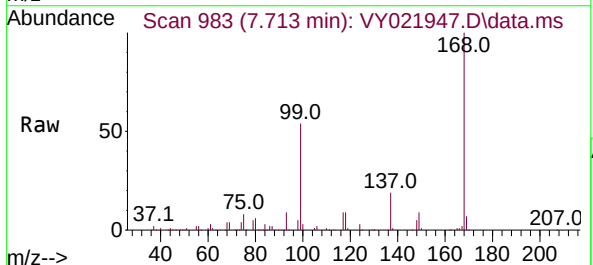
Ion	Ratio	Lower	Upper
84	100		
49	136.1	102.8	154.2
51	36.1	33.5	50.3
86	81.0	52.0	78.0

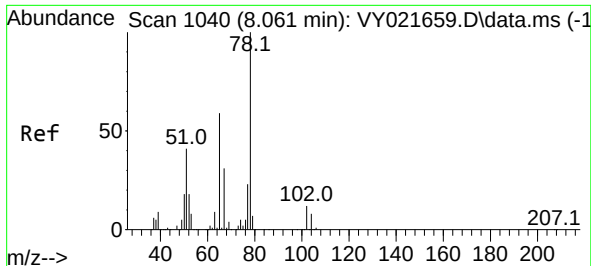


#31
Cyclohexane
Concen: 1.178 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY021947.D
Acq: 21 Apr 2025 14:44

Tgt Ion: 56 Resp: 4569

Ion	Ratio	Lower	Upper
56	100		
69	172.7	26.6	40.0
84	138.5	69.0	103.4

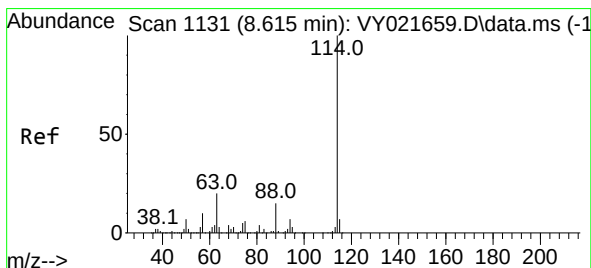
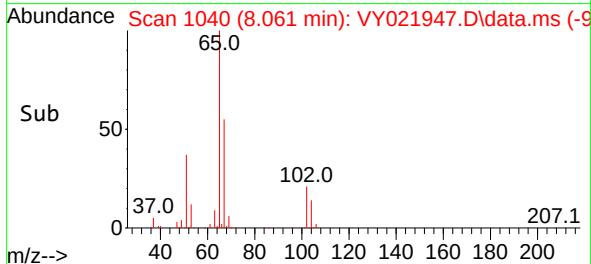
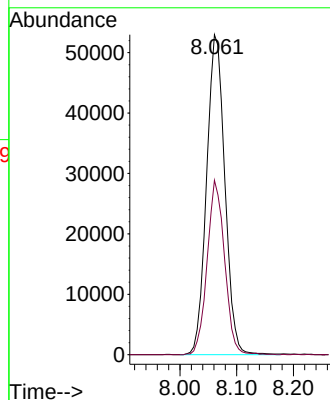
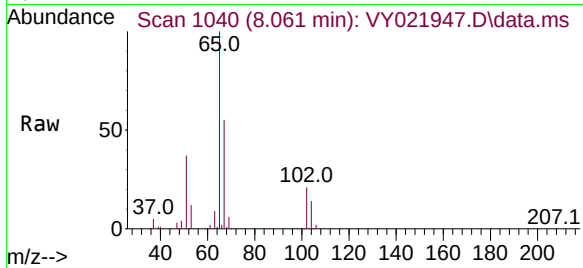




#33
 1,2-Dichloroethane-d4
 Concen: 53.957 ug/l
 RT: 8.061 min Scan# 1040
 Delta R.T. 0.000 min
 Lab File: VY021947.D
 Acq: 21 Apr 2025 14:44

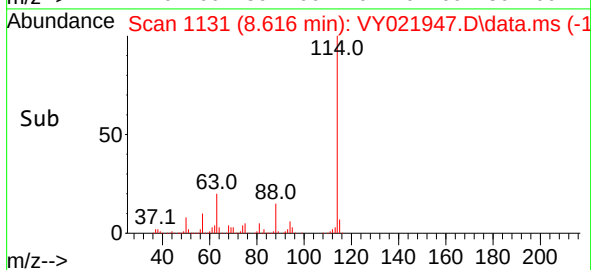
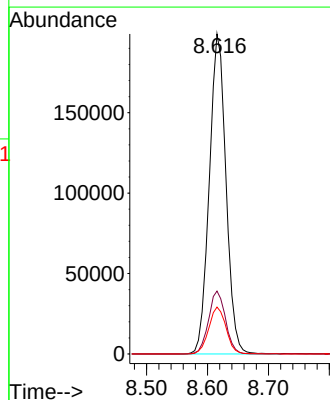
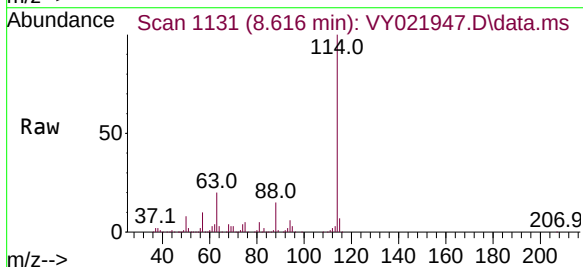
Instrument :
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 ClientSampleId :
 PL-714-VOC-14

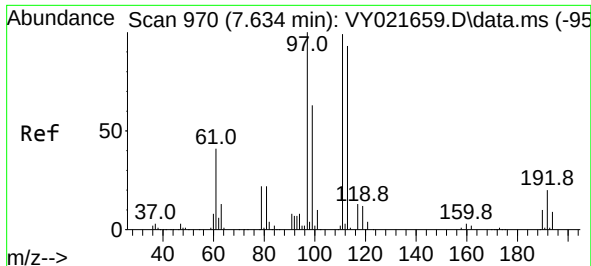
Tgt Ion: 65 Resp: 118596
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.616 min Scan# 1131
 Delta R.T. 0.000 min
 Lab File: VY021947.D
 Acq: 21 Apr 2025 14:44

Tgt Ion: 114 Resp: 378989
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.2
 88 14.6 0.0 29.8

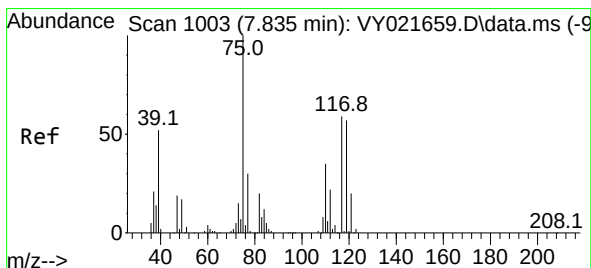
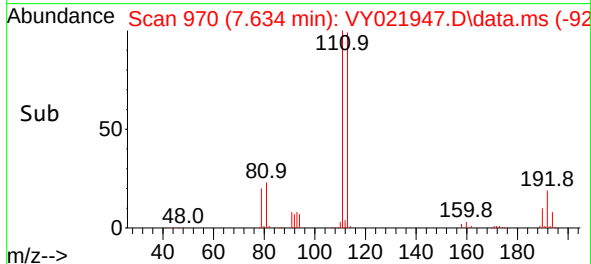
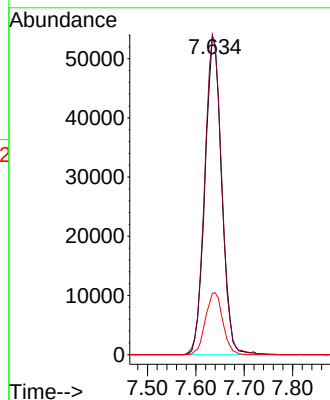
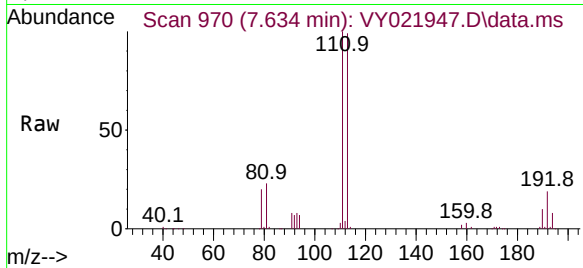




#35
Dibromofluoromethane
Concen: 52.520 ug/l
RT: 7.634 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY021947.D
Acq: 21 Apr 2025 14:44

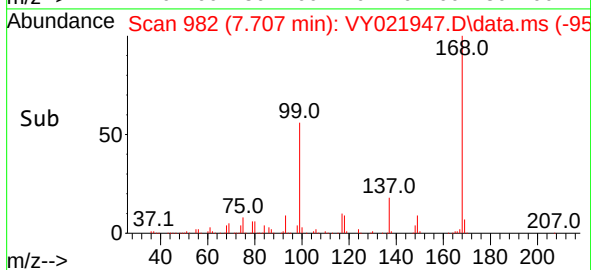
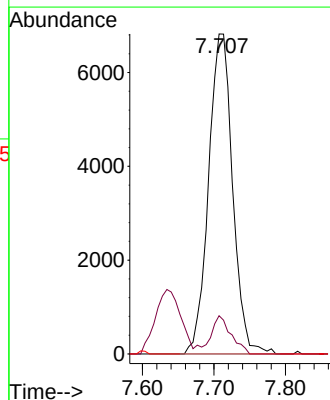
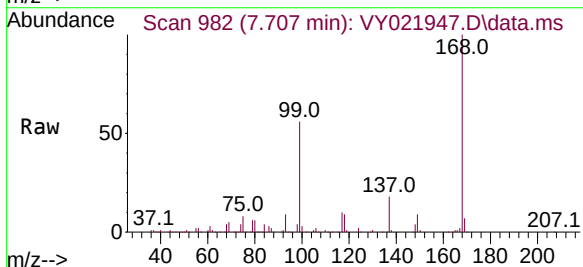
Instrument :
MSVOA_Y
ClientSampleId :
PL-714-VOC-14

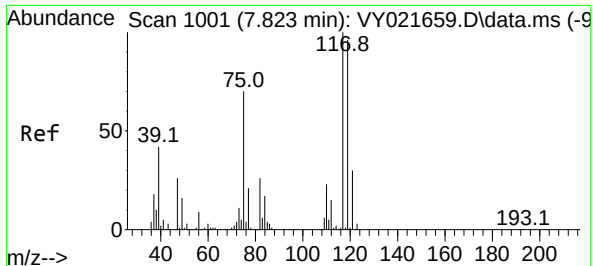
Tgt Ion:113 Resp: 129118
Ion Ratio Lower Upper
113 100
111 102.2 82.6 123.8
192 20.2 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.257 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021947.D
Acq: 21 Apr 2025 14:44

Tgt Ion: 75 Resp: 15939
Ion Ratio Lower Upper
75 100
110 9.5 17.0 50.9#
77 0.0 24.8 37.2#

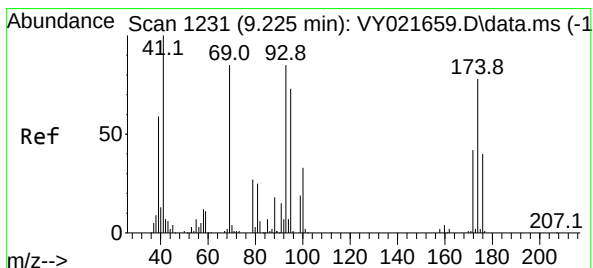
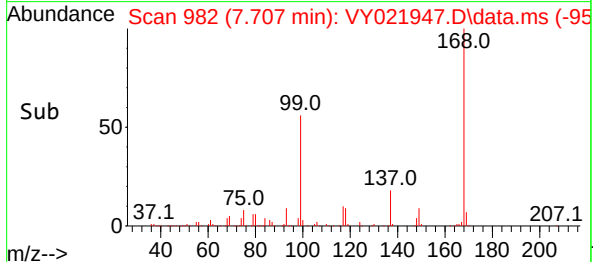
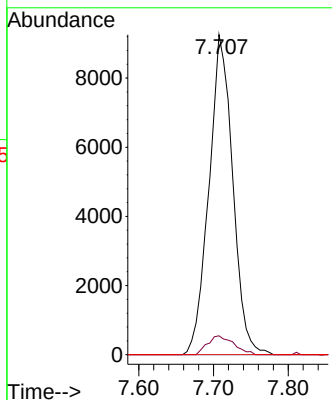
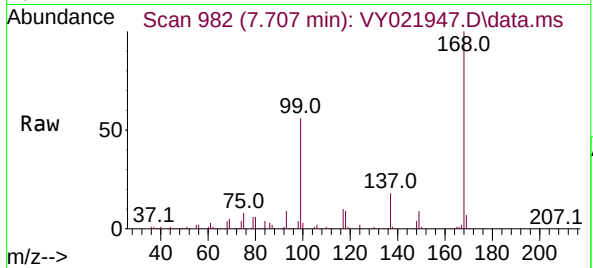




#38
Carbon Tetrachloride
Concen: 4.775 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY021947.D
Acq: 21 Apr 2025 14:44

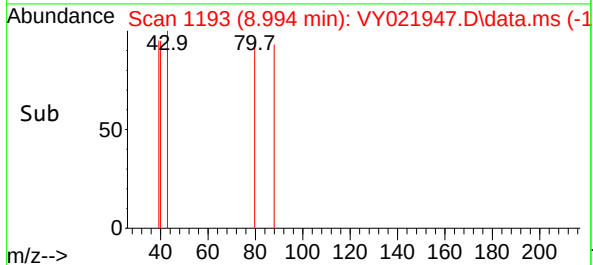
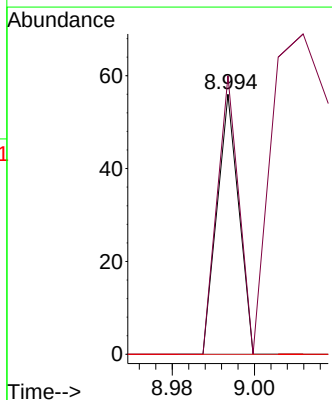
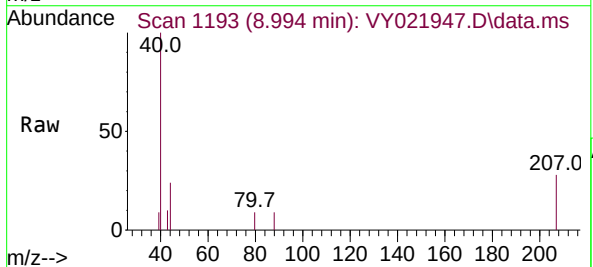
Instrument :
MSVOA_Y
ClientSampleId :
PL-714-VOC-14

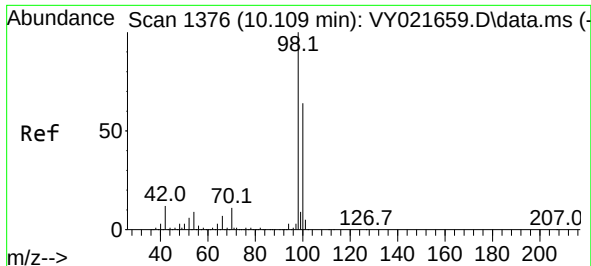
Tgt Ion:117 Resp: 20480
Ion Ratio Lower Upper
117 100
119 5.9 76.2 114.4#
121 0.0 24.2 36.4#



#49
1,4-Dioxane
Concen: 1.220 ug/l
RT: 8.994 min Scan# 1193
Delta R.T. -0.232 min
Lab File: VY021947.D
Acq: 21 Apr 2025 14:44

Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 450.0 28.8 43.2#
58 0.0 59.4 89.2#

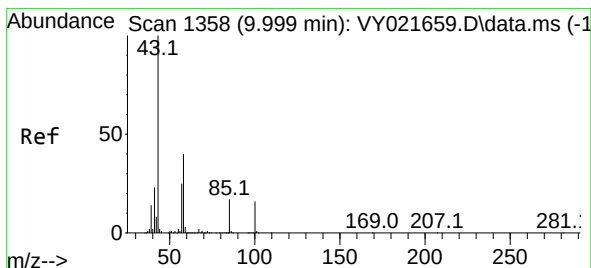
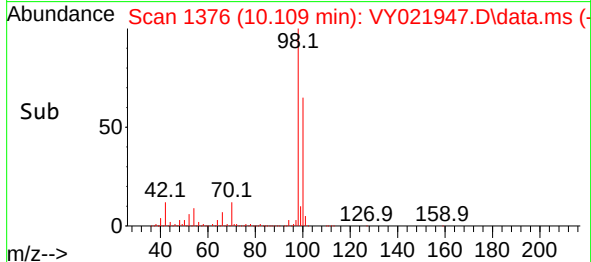
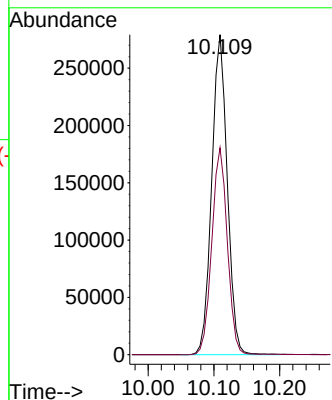
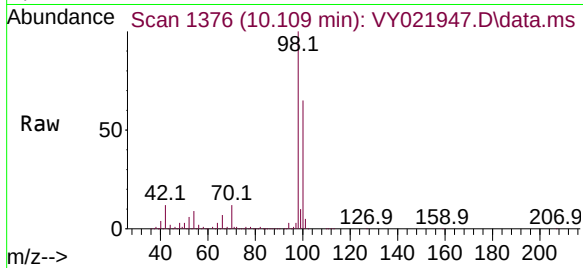




#50
Toluene-d8
Concen: 49.126 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021947.D
Acq: 21 Apr 2025 14:44

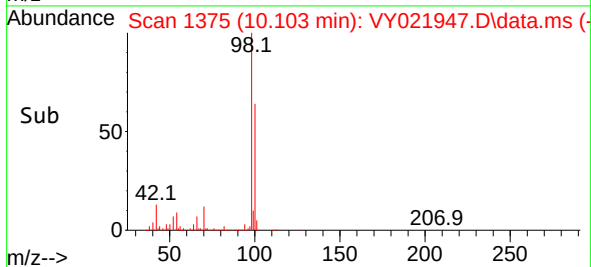
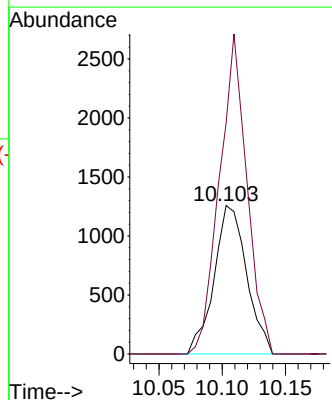
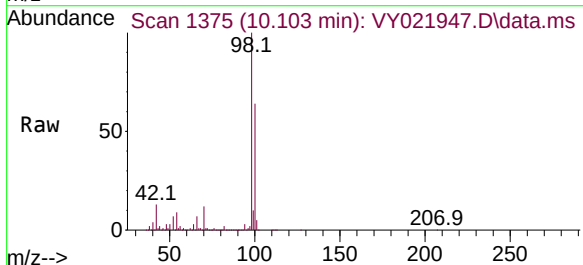
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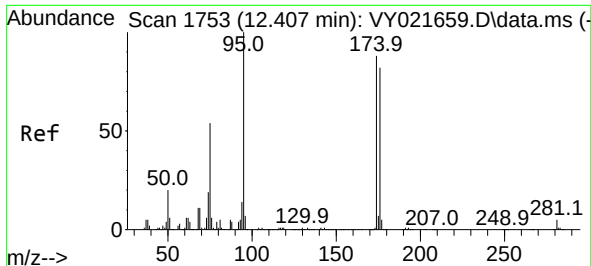
Tgt Ion: 98 Resp: 459454
Ion Ratio Lower Upper
98 100
100 64.7 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.292 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.104 min
Lab File: VY021947.D
Acq: 21 Apr 2025 14:44

Tgt Ion: 43 Resp: 2252
Ion Ratio Lower Upper
43 100
58 182.1 31.5 47.3#

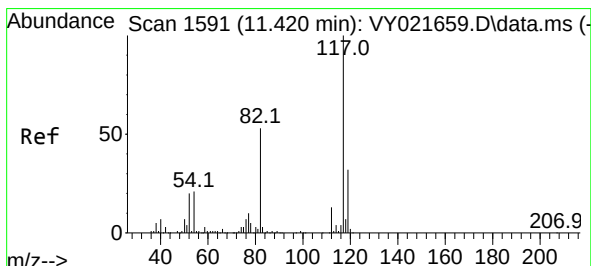
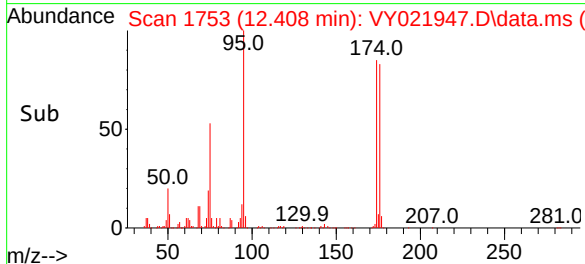
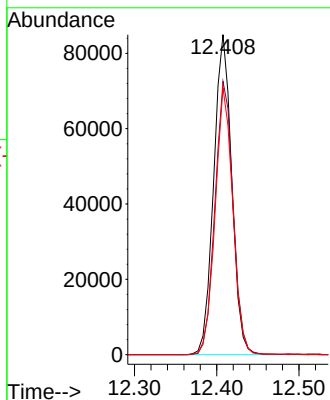
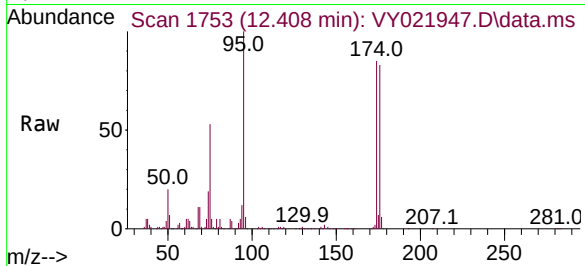




#62
4-Bromofluorobenzene
Concen: 40.958 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021947.D
Acq: 21 Apr 2025 14:44

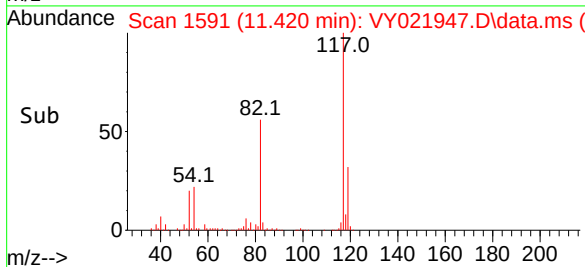
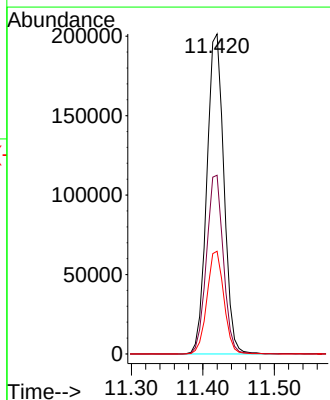
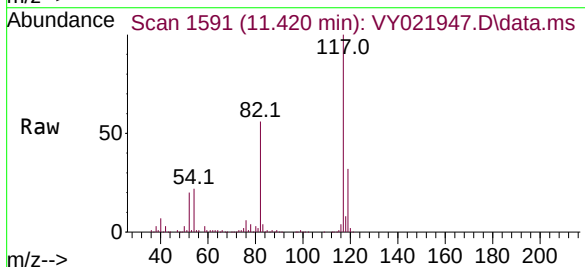
Instrument :
MSVOA_Y
ClientSampleId :
PL-714-VOC-14

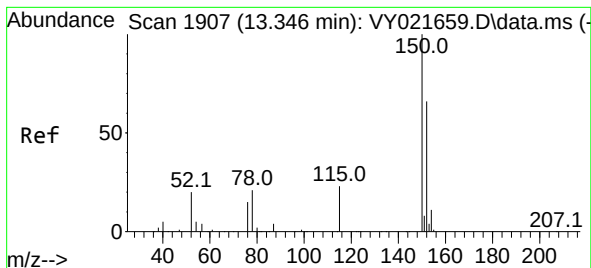
Tgt Ion: 95 Resp: 129571
Ion Ratio Lower Upper
95 100
174 86.1 0.0 170.8
176 81.7 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY021947.D
Acq: 21 Apr 2025 14:44

Tgt Ion: 117 Resp: 333390
Ion Ratio Lower Upper
117 100
82 55.9 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: VY021947.D

Acq: 21 Apr 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

PL-714-VOC-14

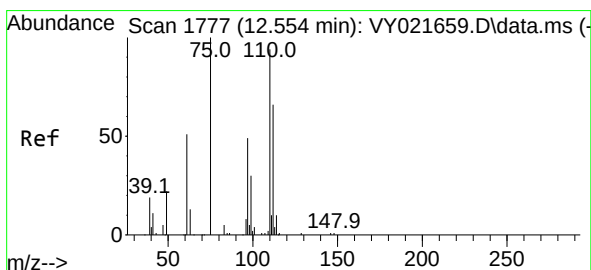
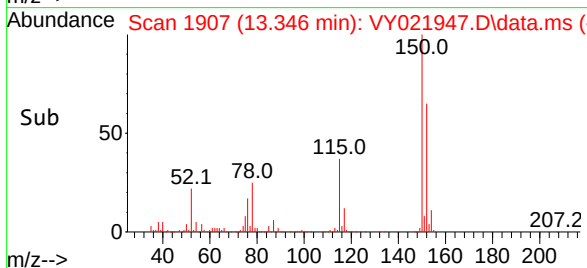
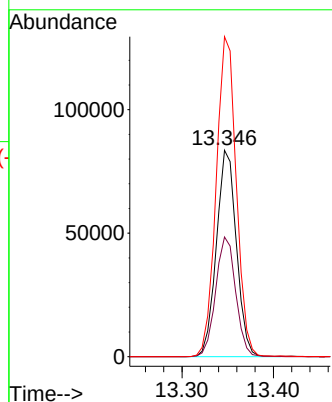
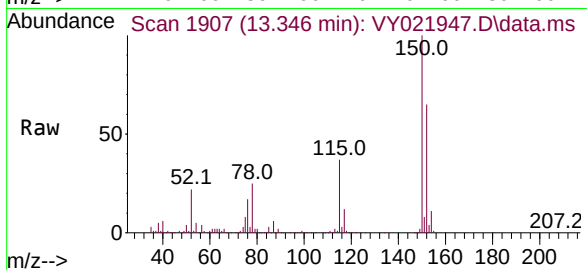
Tgt Ion:152 Resp: 127027

Ion Ratio Lower Upper

152 100

115 58.1 28.8 86.5

150 155.7 0.0 348.4



#76

1,2,3-Trichloropropane

Concen: 54.263 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY021947.D

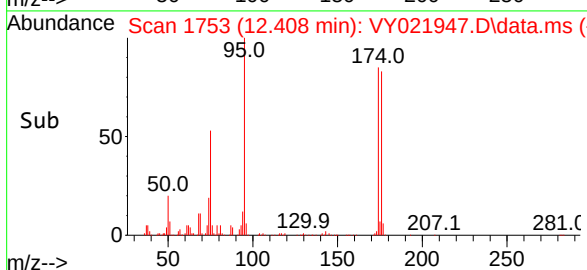
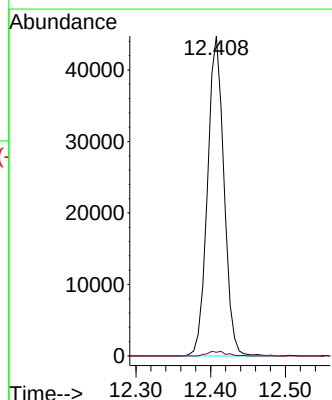
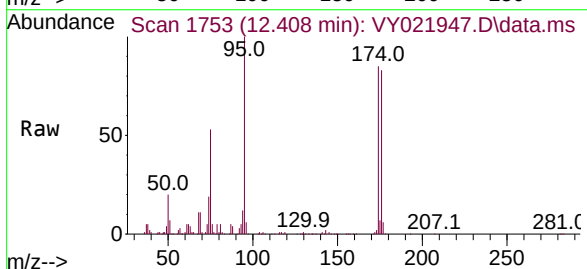
Acq: 21 Apr 2025 14:44

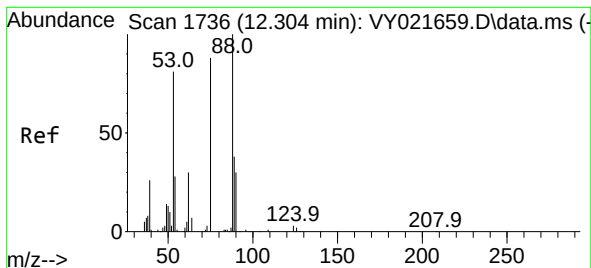
Tgt Ion: 75 Resp: 68326

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.031 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY021947.D
 Acq: 21 Apr 2025 14:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 PL-714-VOC-14

Tgt Ion: 75 Resp: 68326
 Ion Ratio Lower Upper
 75 100
 53 0.3 76.1 114.1#
 89 0.0 36.2 54.4#

