

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
 Data File : VY021945.D
 Acq On : 21 Apr 2025 13:57
 Operator : SY/MD
 Sample : Q1842-26
 Misc : 5.58g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PL-714-VOC-12

Quant Time: Apr 22 02:45:15 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)

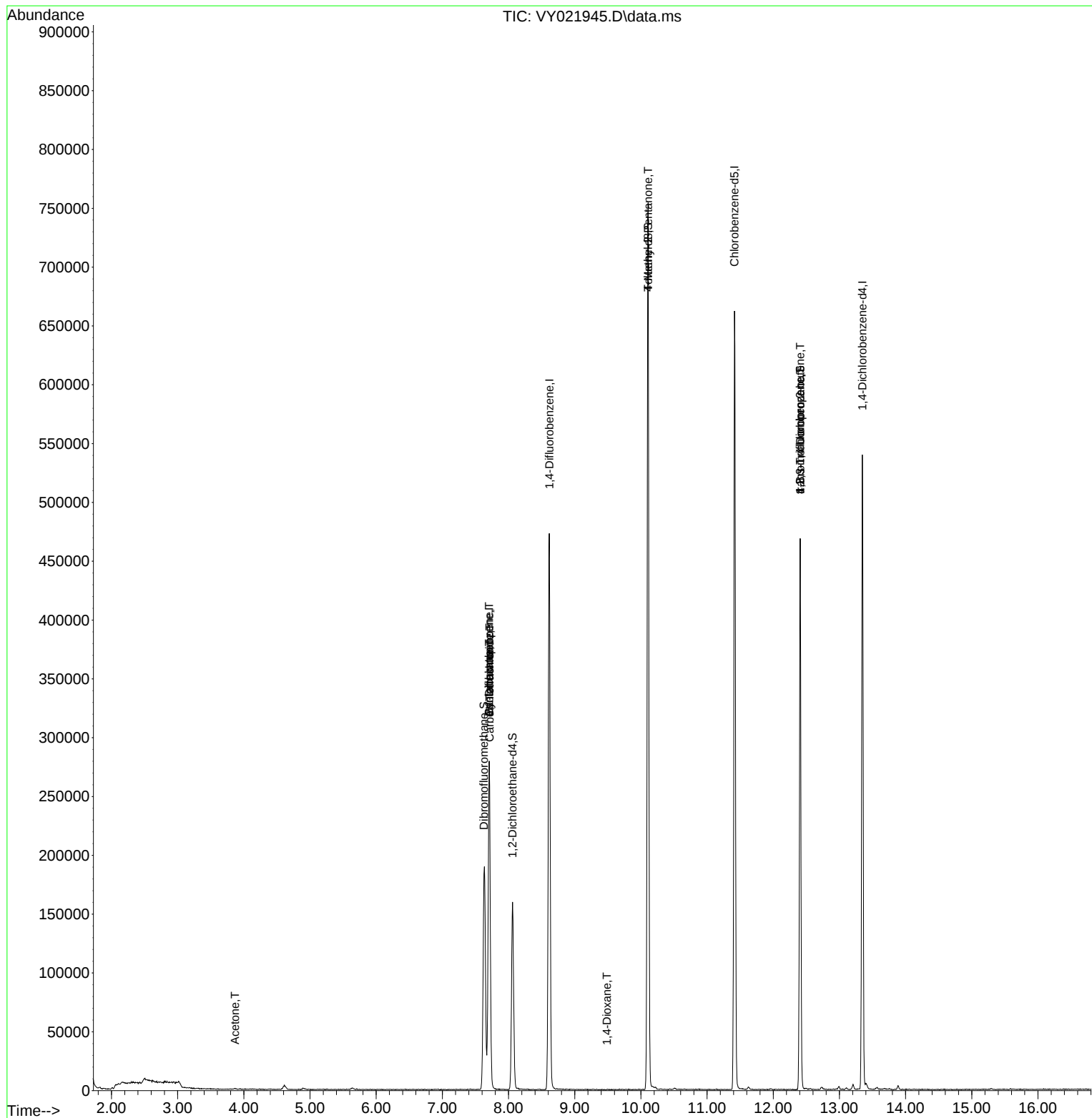
Internal Standards						
1) Pentafluorobenzene	7.707	168	204385	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	391974	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	349313	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	133147	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	125813	56.815	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.620%
35) Dibromofluoromethane	7.628	113	135842	53.425	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.840%
50) Toluene-d8	10.109	98	480050	49.627	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.260%
62) 4-Bromofluorobenzene	12.408	95	134792	41.197	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.400%
Target Compounds						
					Qvalue	
16) Acetone	3.866	43	805	1.776	ug/l #	51
20) Methylene Chloride	4.610	84	2386	Below Cal		88
31) Cyclohexane	7.707	56	4905	1.255	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	17435	4.502	ug/l #	50
38) Carbon Tetrachloride	7.713	117	20673	4.661	ug/l #	16
49) 1,4-Dioxane	9.487	88	57	3.363	ug/l #	21
51) 4-Methyl-2-Pentanone	10.109	43	2236	1.240	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	71229	53.968	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	71229	124.352	ug/l #	12

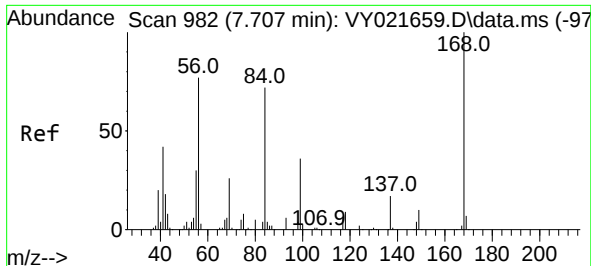
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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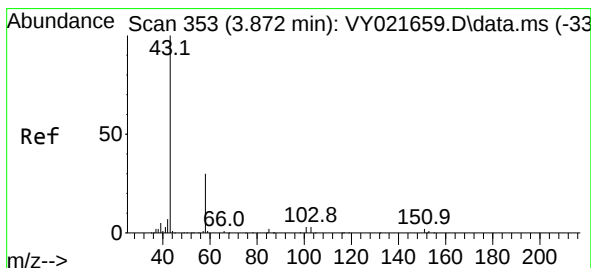
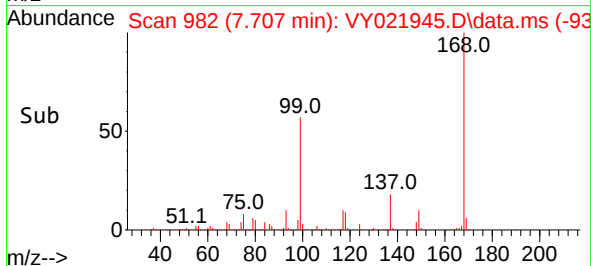
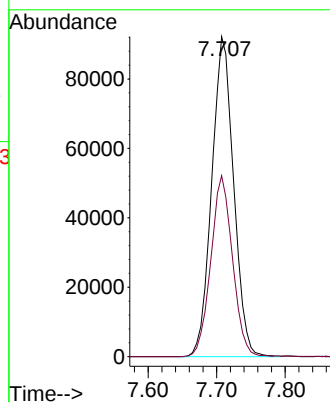
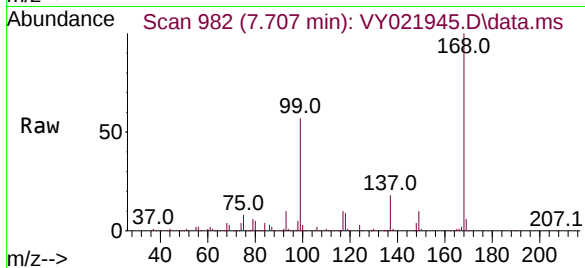




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021945.D
Acq: 21 Apr 2025 13:57

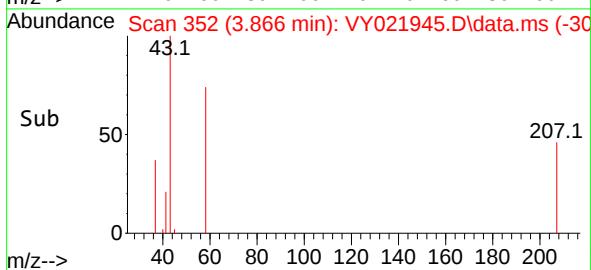
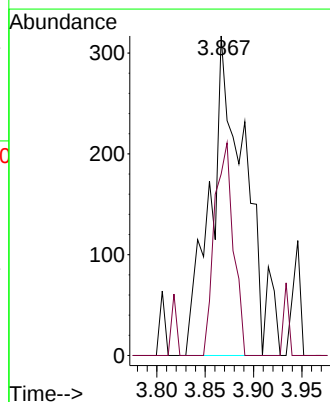
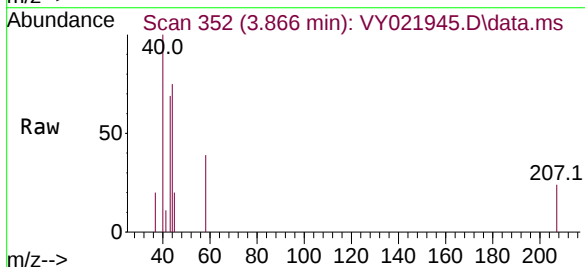
Instrument :
MSVOA_Y
ClientSampleId :
PL-714-VOC-12

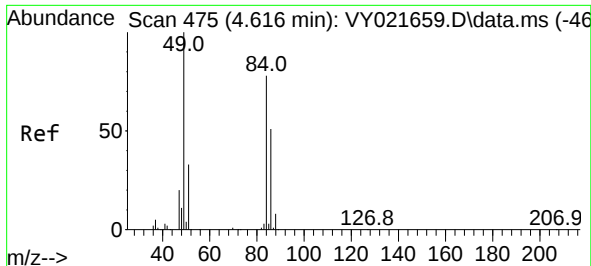
Tgt Ion:168 Resp: 204385
Ion Ratio Lower Upper
168 100
99 56.6 46.7 70.1



#16
Acetone
Concen: 1.776 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021945.D
Acq: 21 Apr 2025 13:57

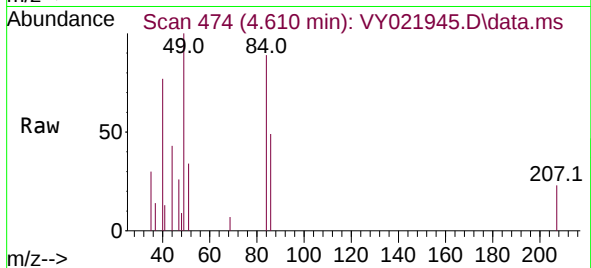
Tgt Ion: 43 Resp: 805
Ion Ratio Lower Upper
43 100
58 56.8 24.2 36.4#





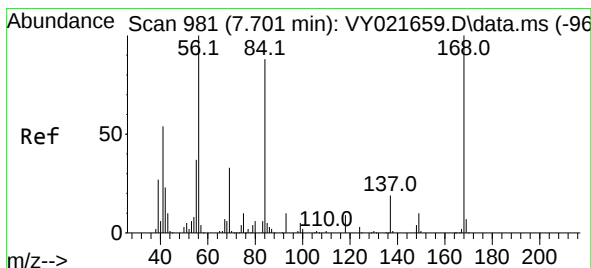
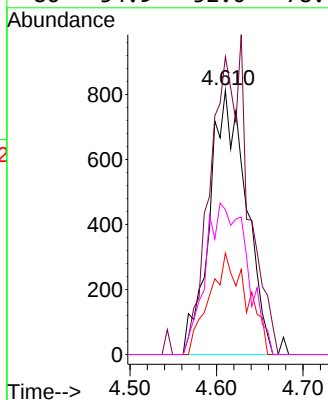
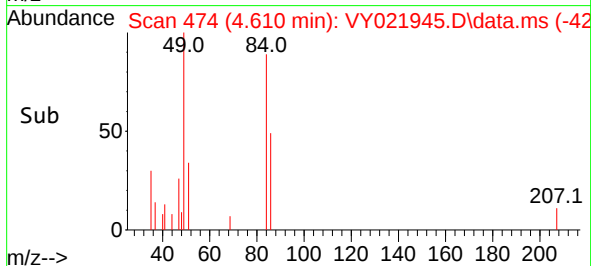
#20
Methylene Chloride
Concen: Below Cal
RT: 4.610 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY021945.D
Acq: 21 Apr 2025 13:57

Instrument :
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ClientSampleId :
PL-714-VOC-12

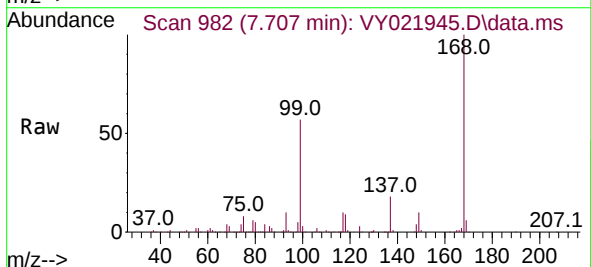


Tgt Ion: 84 Resp: 2386

Ion	Ratio	Lower	Upper
84	100		
49	112.7	102.8	154.2
51	38.4	33.5	50.3
86	54.9	52.0	78.0

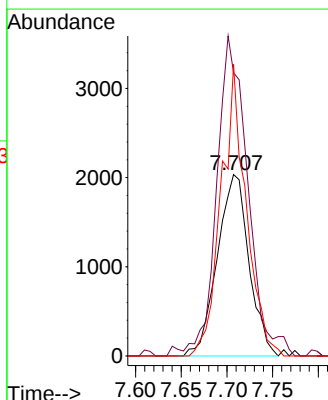
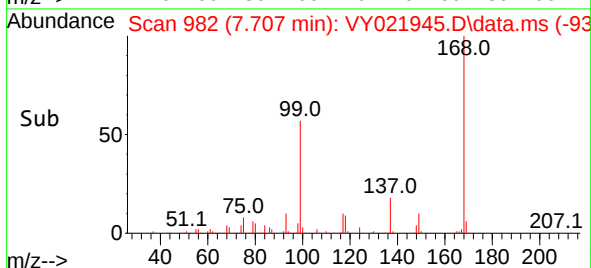


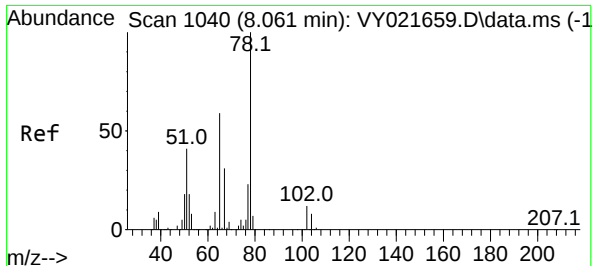
#31
Cyclohexane
Concen: 1.255 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY021945.D
Acq: 21 Apr 2025 13:57



Tgt Ion: 56 Resp: 4905

Ion	Ratio	Lower	Upper
56	100		
69	152.5	26.6	40.0#
84	160.8	69.0	103.4#





#33

1,2-Dichloroethane-d4

Concen: 56.815 ug/l

RT: 8.061 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VY021945.D

Acq: 21 Apr 2025 13:57

Instrument :

MSVOA_Y

ClientSampleId :

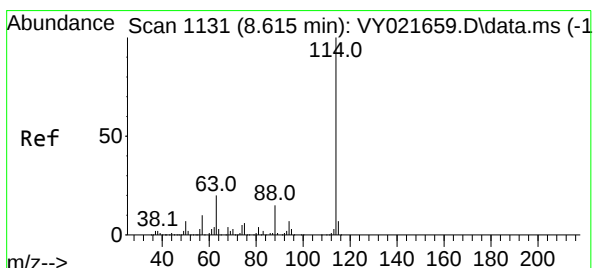
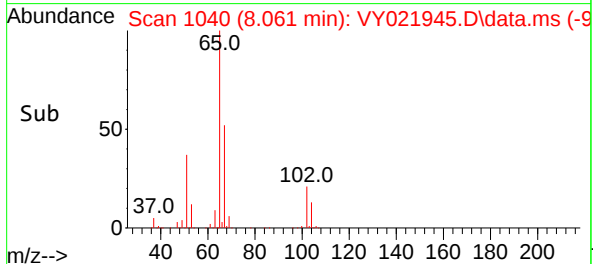
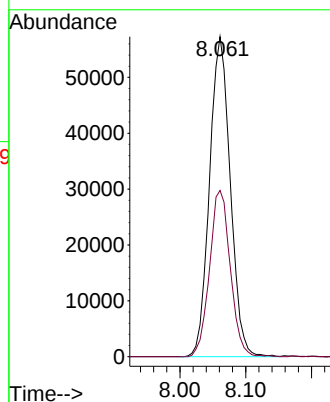
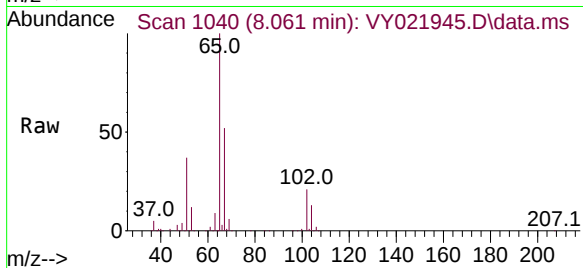
PL-714-VOC-12

Tgt Ion: 65 Resp: 125813

Ion Ratio Lower Upper

65 100

67 51.9 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: VY021945.D

Acq: 21 Apr 2025 13:57

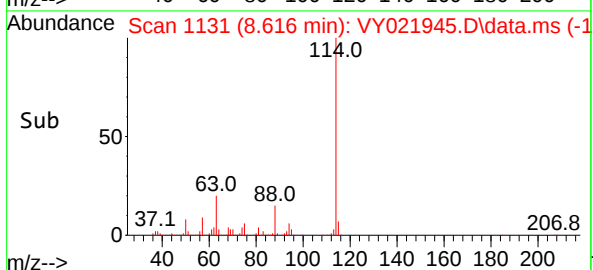
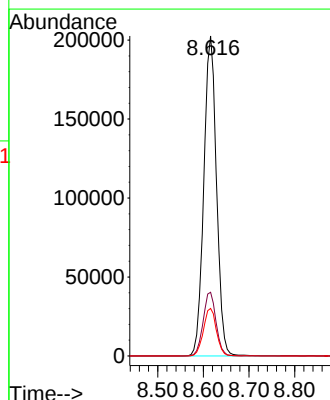
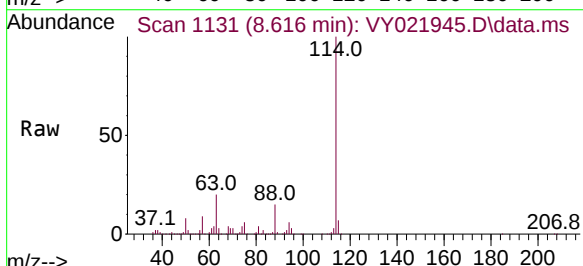
Tgt Ion: 114 Resp: 391974

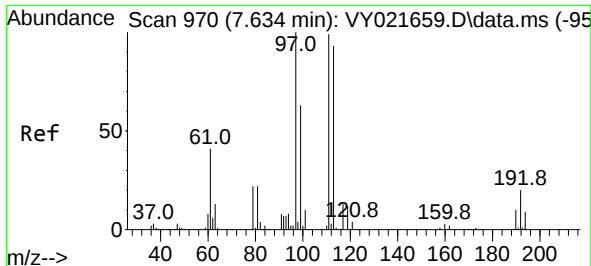
Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.2

88 14.8 0.0 29.8

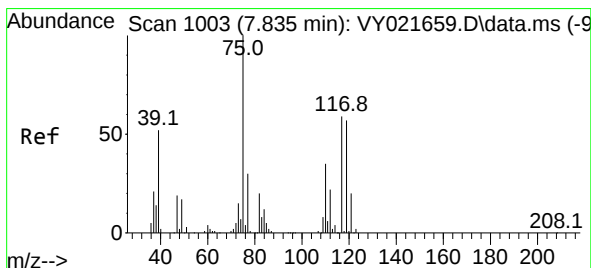
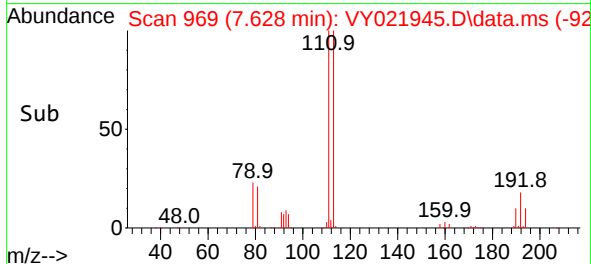
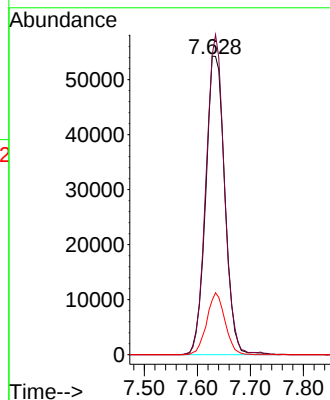
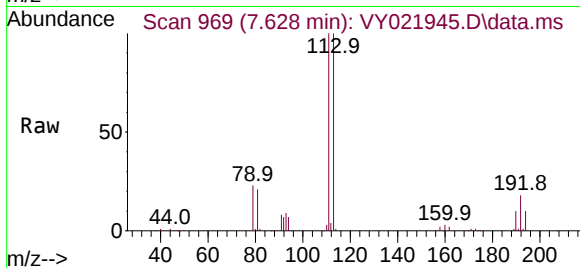




#35
Dibromofluoromethane
Concen: 53.425 ug/l
RT: 7.628 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY021945.D
Acq: 21 Apr 2025 13:57

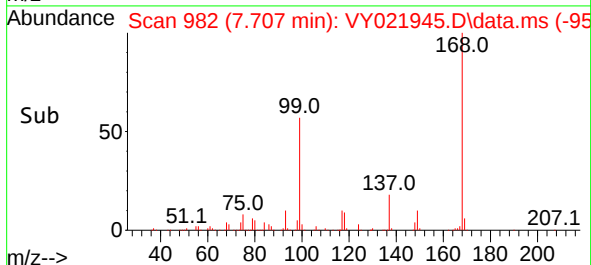
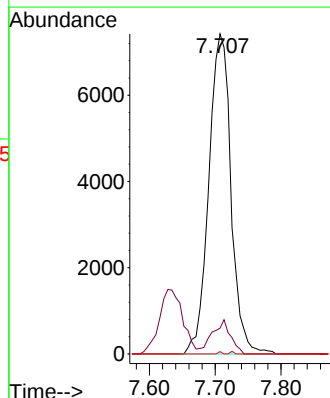
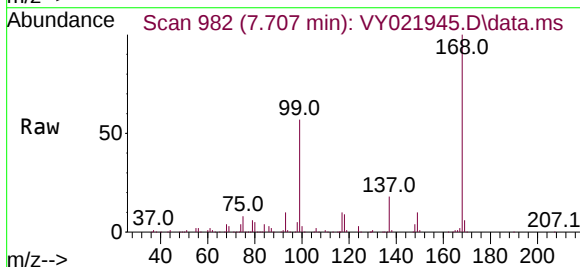
Instrument :
MSVOA_Y
ClientSampleId :
PL-714-VOC-12

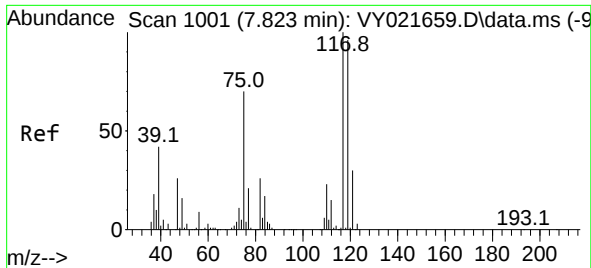
Tgt Ion:113 Resp: 135842
Ion Ratio Lower Upper
113 100
111 102.9 82.6 123.8
192 19.8 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.502 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021945.D
Acq: 21 Apr 2025 13:57

Tgt Ion: 75 Resp: 17435
Ion Ratio Lower Upper
75 100
110 8.7 17.0 50.9#
77 0.1 24.8 37.2#

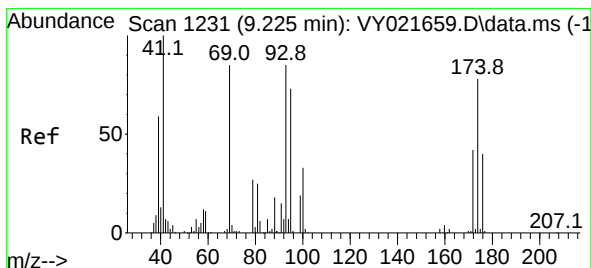
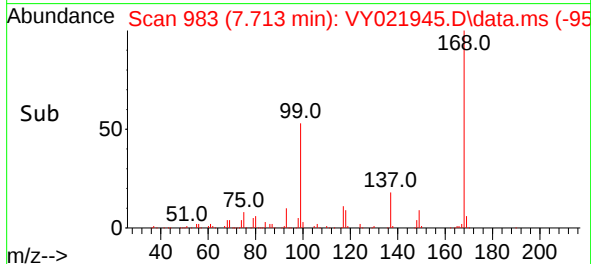
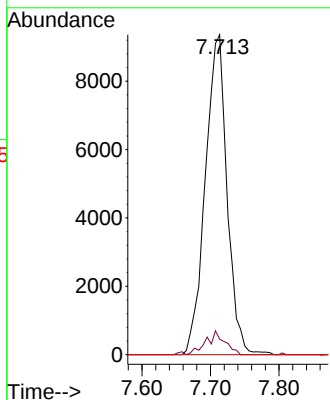
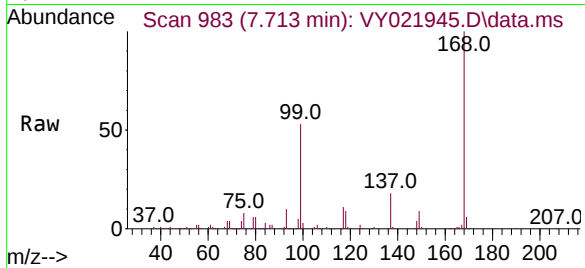




#38
Carbon Tetrachloride
Concen: 4.661 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY021945.D
Acq: 21 Apr 2025 13:57

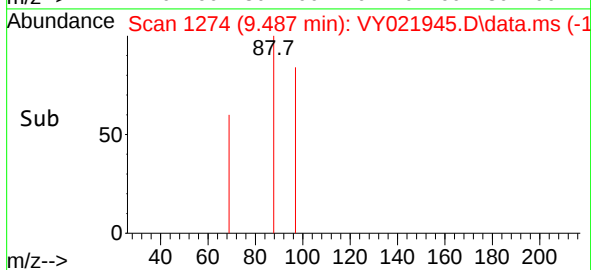
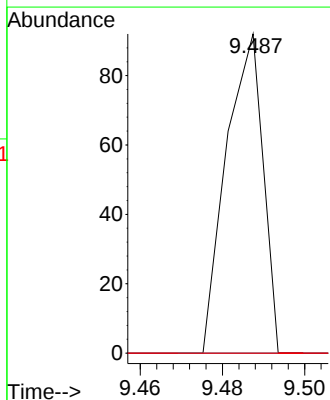
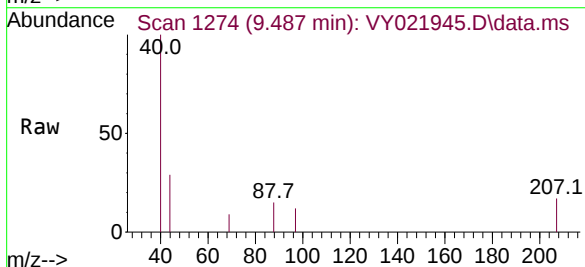
Instrument :
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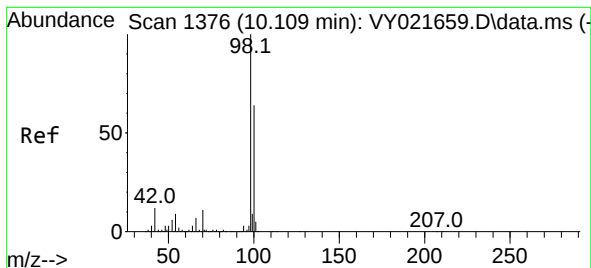
Tgt Ion: 117 Resp: 20673
Ion Ratio Lower Upper
117 100
119 4.8 76.2 114.4#
121 0.0 24.2 36.4#



#49
1,4-Dioxane
Concen: 3.363 ug/l
RT: 9.487 min Scan# 1274
Delta R.T. 0.262 min
Lab File: VY021945.D
Acq: 21 Apr 2025 13:57

Tgt Ion: 88 Resp: 57
Ion Ratio Lower Upper
88 100
43 0.0 28.8 43.2#
58 0.0 59.4 89.2#

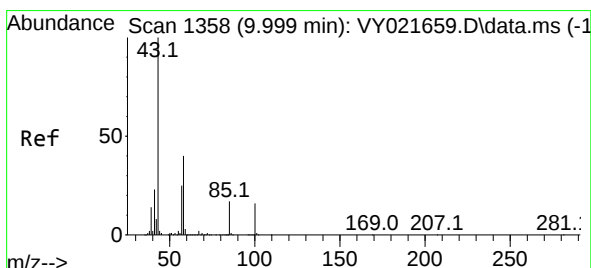
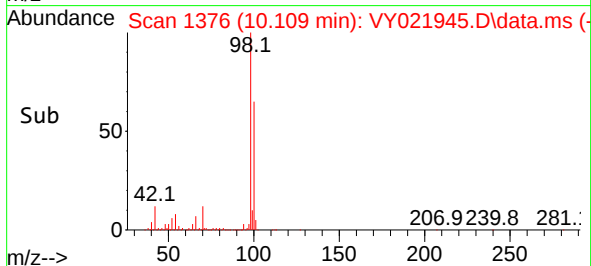
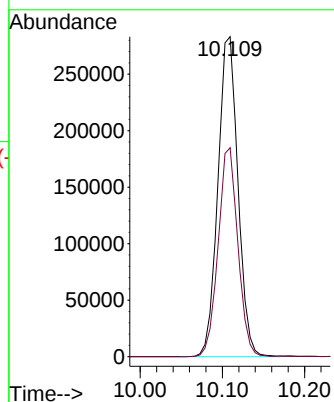
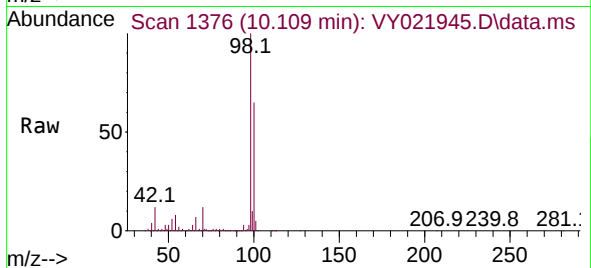




#50
Toluene-d8
Concen: 49.627 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021945.D
Acq: 21 Apr 2025 13:57

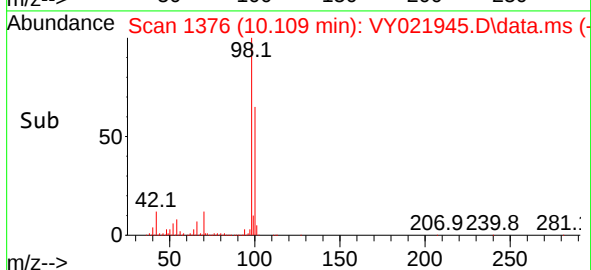
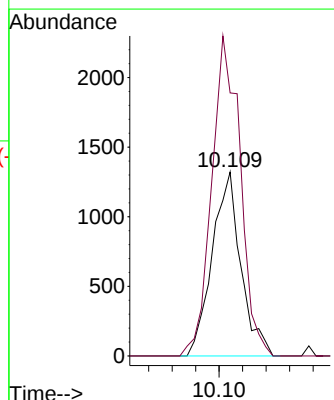
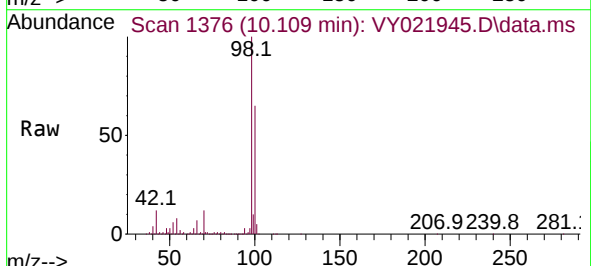
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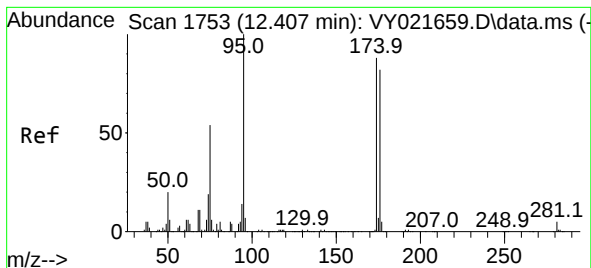
Tgt Ion: 98 Resp: 480050
Ion Ratio Lower Upper
98 100
100 64.2 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.240 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.110 min
Lab File: VY021945.D
Acq: 21 Apr 2025 13:57

Tgt Ion: 43 Resp: 2236
Ion Ratio Lower Upper
43 100
58 173.7 31.5 47.3#

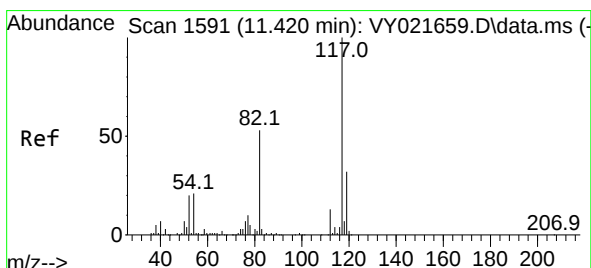
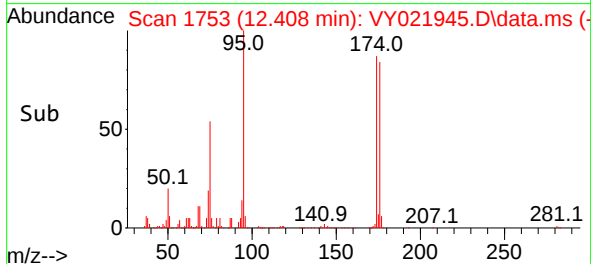
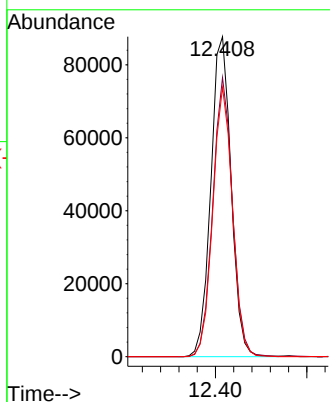
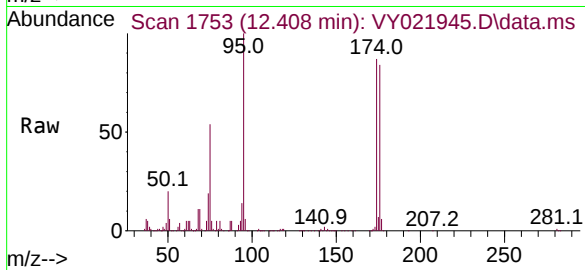




#62
4-Bromofluorobenzene
Concen: 41.197 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021945.D
Acq: 21 Apr 2025 13:57

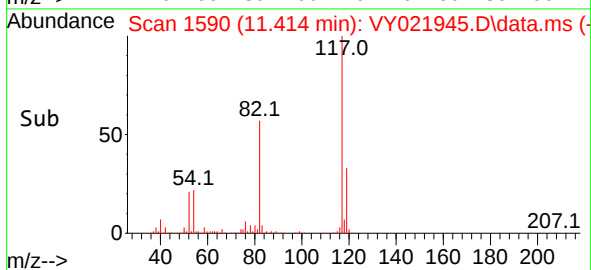
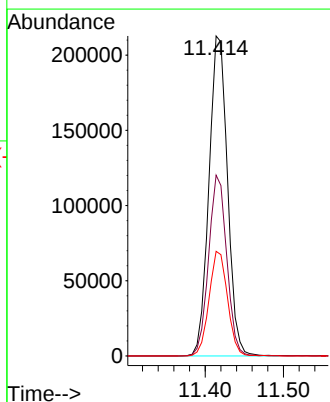
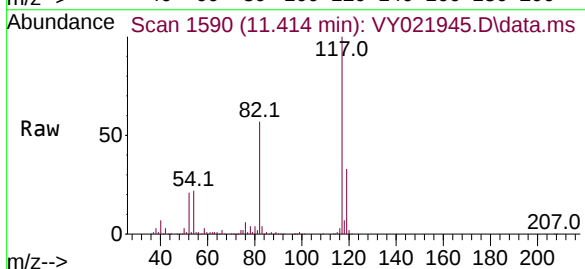
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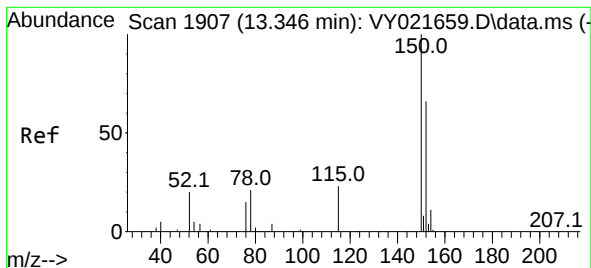
Tgt Ion: 95 Resp: 134792
Ion Ratio Lower Upper
95 100
174 84.9 0.0 170.8
176 81.7 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021945.D
Acq: 21 Apr 2025 13:57

Tgt Ion: 117 Resp: 349313
Ion Ratio Lower Upper
117 100
82 56.5 42.8 64.2
119 32.7 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: VY021945.D

Acq: 21 Apr 2025 13:57

Instrument :

MSVOA_Y

ClientSampleId :

PL-714-VOC-12

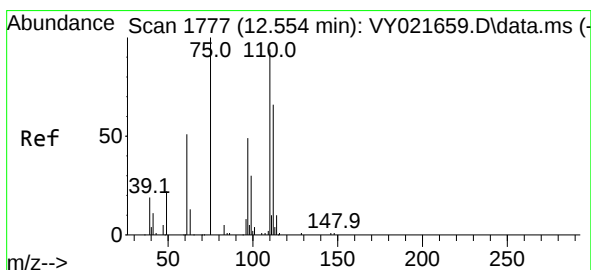
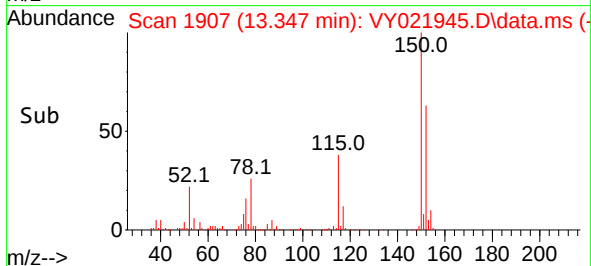
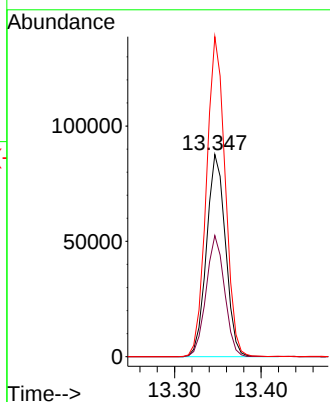
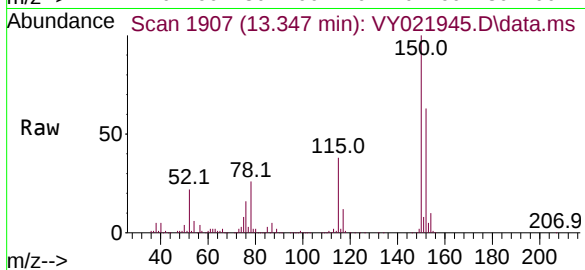
Tgt Ion:152 Resp: 133147

Ion Ratio Lower Upper

152 100

115 58.4 28.8 86.5

150 156.4 0.0 348.4



#76

1,2,3-Trichloropropane

Concen: 53.968 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY021945.D

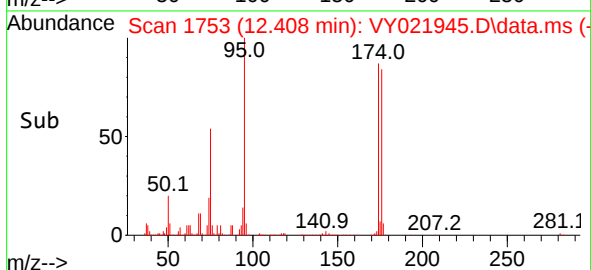
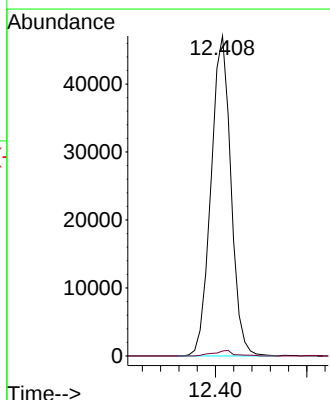
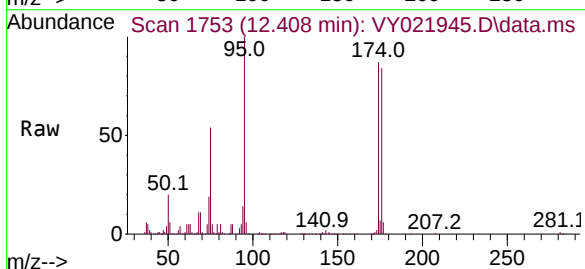
Acq: 21 Apr 2025 13:57

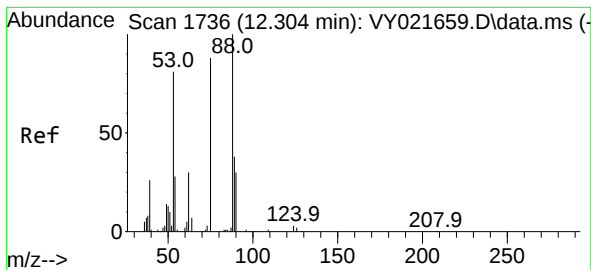
Tgt Ion: 75 Resp: 71229

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.352 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY021945.D
 Acq: 21 Apr 2025 13:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 PL-714-VOC-12

Tgt Ion: 75 Resp: 71229
 Ion Ratio Lower Upper
 75 100
 53 0.3 76.1 114.1#
 89 0.0 36.2 54.4#

