

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
 Data File : VY021942.D
 Acq On : 21 Apr 2025 12:47
 Operator : SY/MD
 Sample : Q1842-08
 Misc : 5.43g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PL-714-VOC-09

Quant Time: Apr 22 02:44:39 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)

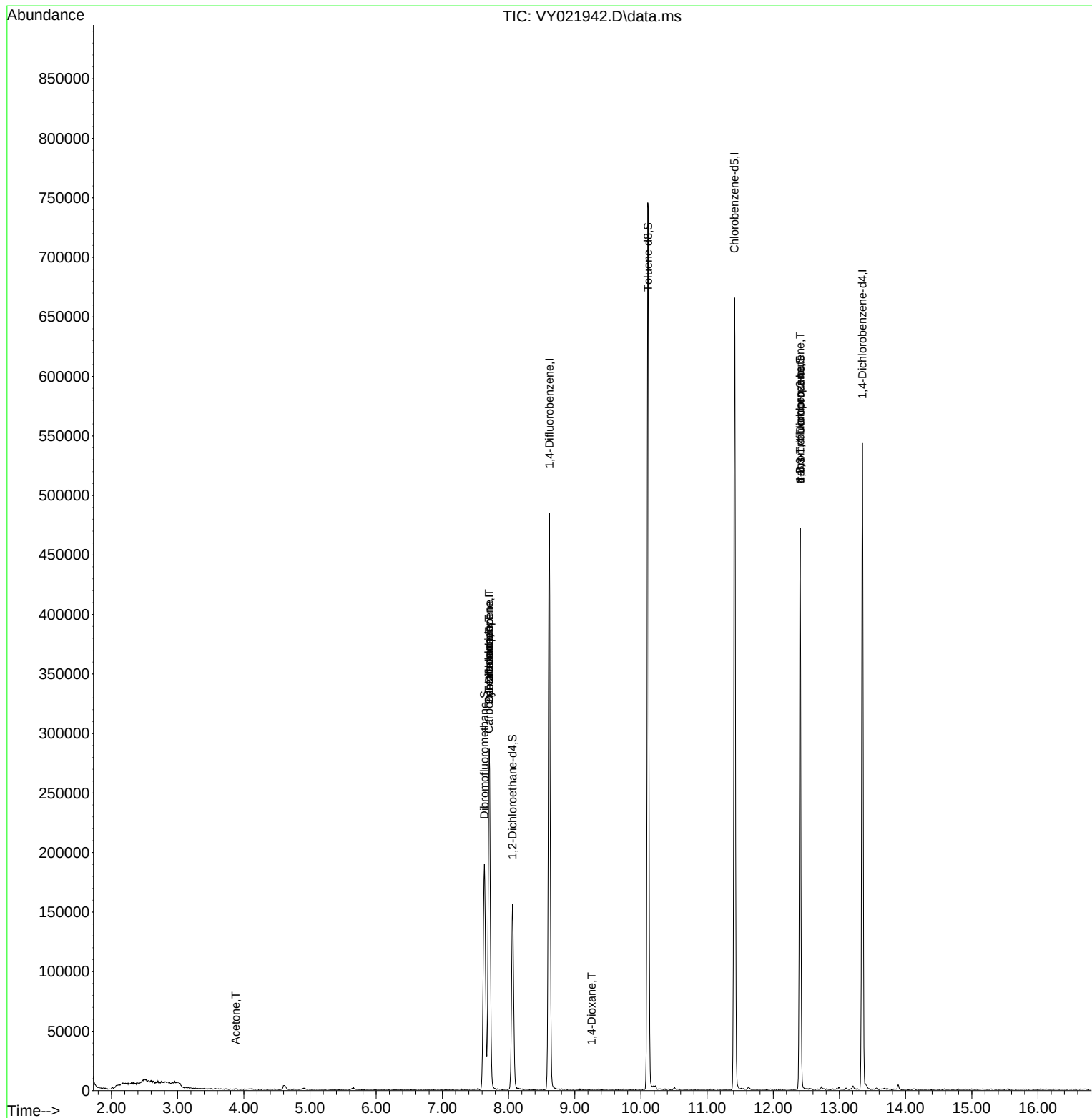
Internal Standards						
1) Pentafluorobenzene	7.707	168	215244	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	397511	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	351261	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	134396	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	122610	52.575	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.140%	
35) Dibromofluoromethane	7.634	113	135220	52.440	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.880%	
50) Toluene-d8	10.109	98	480889	49.022	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.040%	
62) 4-Bromofluorobenzene	12.408	95	136032	40.997	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 82.000%	
Target Compounds						Qvalue
16) Acetone	3.879	43	507	1.062	ug/l #	44
20) Methylene Chloride	4.604	84	2319	Below Cal		89
31) Cyclohexane	7.707	56	4919	1.195	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	17303	4.405	ug/l #	51
38) Carbon Tetrachloride	7.701	117	21490	4.777	ug/l #	17
49) 1,4-Dioxane	9.256	88	28	1.629	ug/l #	21
76) 1,2,3-Trichloropropane	12.408	75	71156	53.412	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	71156	123.070	ug/l #	12

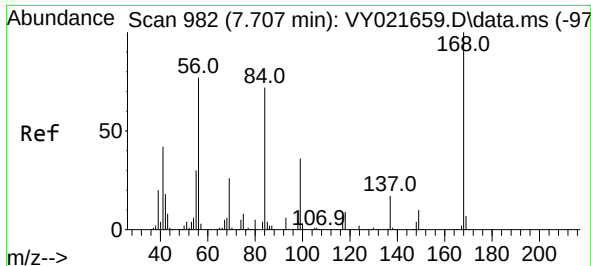
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

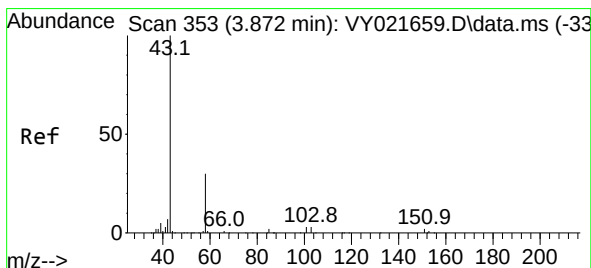
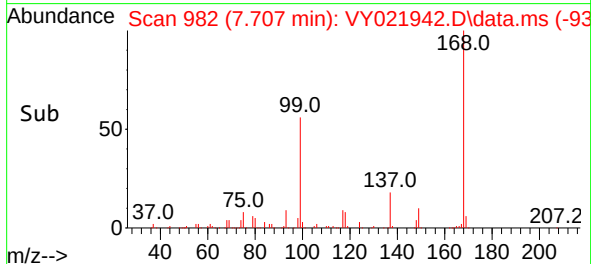
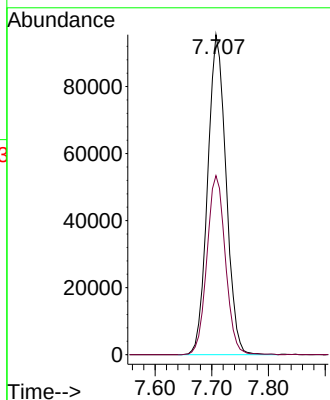
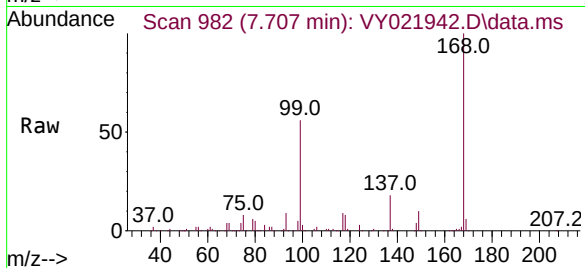




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021942.D
Acq: 21 Apr 2025 12:47

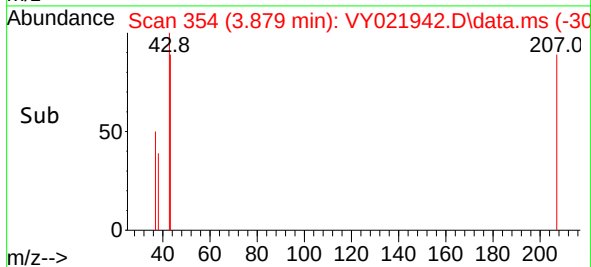
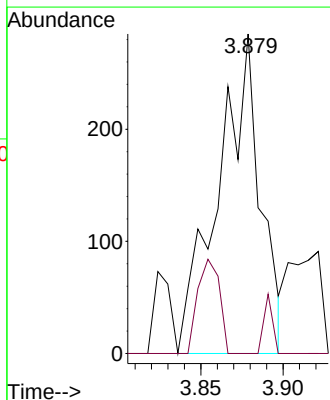
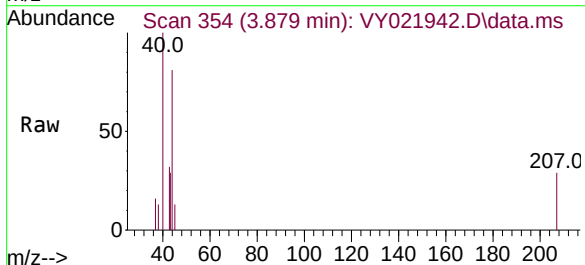
Instrument :
MSVOA_Y
ClientSampleId :
PL-714-VOC-09

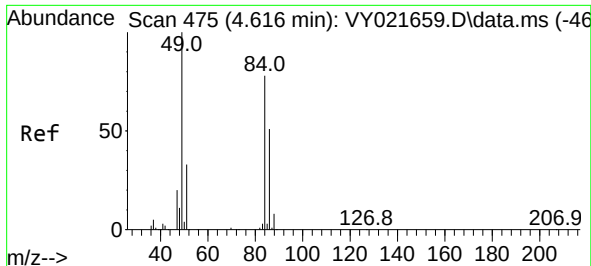
Tgt Ion:168 Resp: 215244
Ion Ratio Lower Upper
168 100
99 56.0 46.7 70.1



#16
Acetone
Concen: 1.062 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY021942.D
Acq: 21 Apr 2025 12:47

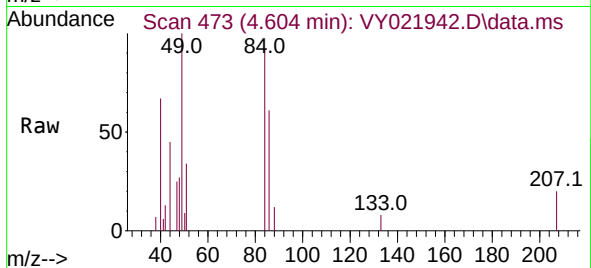
Tgt Ion: 43 Resp: 507
Ion Ratio Lower Upper
43 100
58 0.0 24.2 36.4#





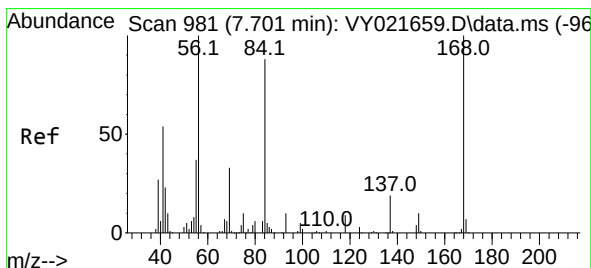
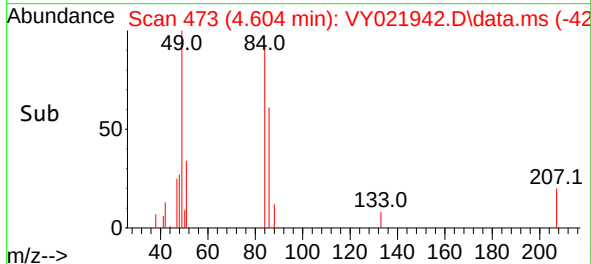
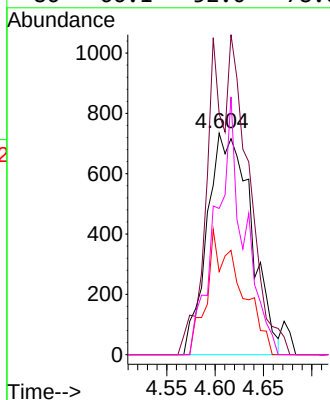
#20
Methylene Chloride
Concen: Below Cal
RT: 4.604 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY021942.D
Acq: 21 Apr 2025 12:47

Instrument :
MSVOA_Y
ClientSampleId :
PL-714-VOC-09



Tgt Ion: 84 Resp: 2319

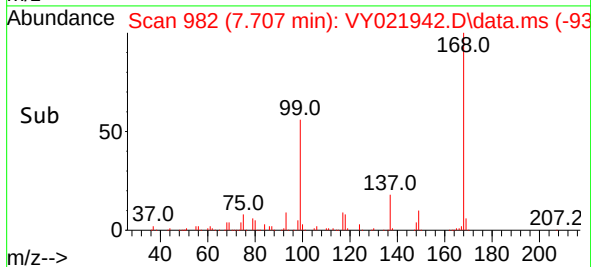
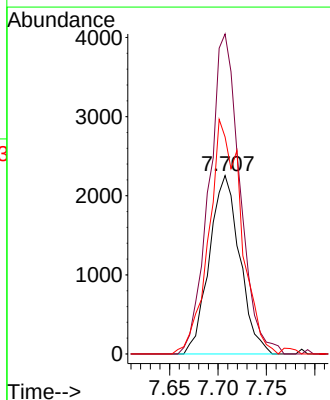
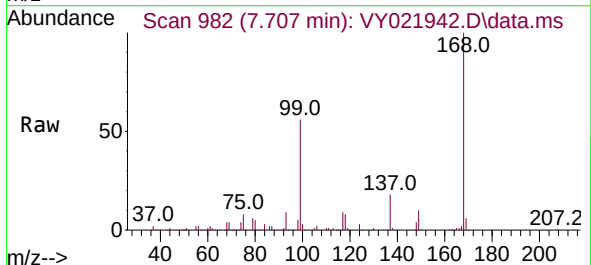
Ion	Ratio	Lower	Upper
84	100		
49	108.9	102.8	154.2
51	37.5	33.5	50.3
86	66.1	52.0	78.0

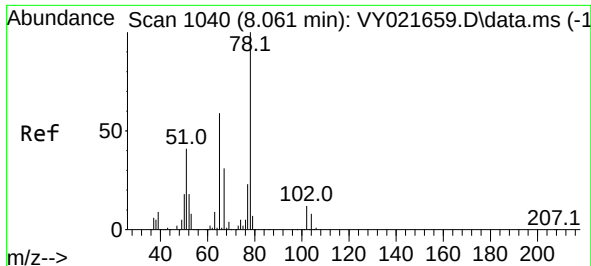


#31
Cyclohexane
Concen: 1.195 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY021942.D
Acq: 21 Apr 2025 12:47

Tgt Ion: 56 Resp: 4919

Ion	Ratio	Lower	Upper
56	100		
69	179.4	26.6	40.0#
84	121.6	69.0	103.4#





#33

1,2-Dichloroethane-d4

Concen: 52.575 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY021942.D

Acq: 21 Apr 2025 12:47

Instrument :

MSVOA_Y

ClientSampleId :

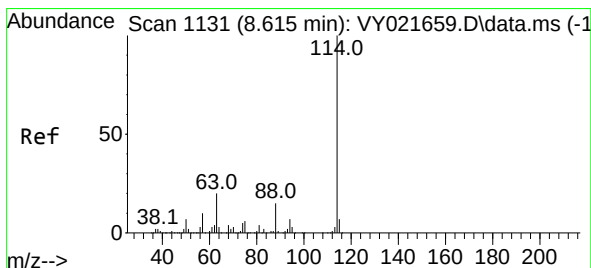
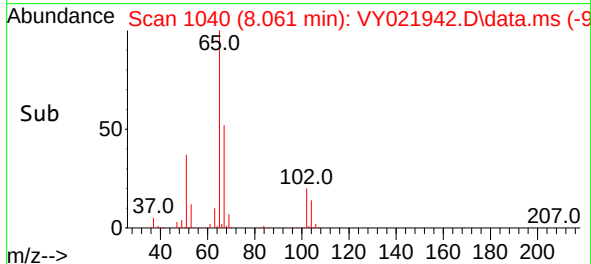
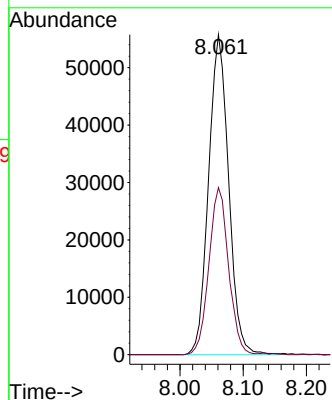
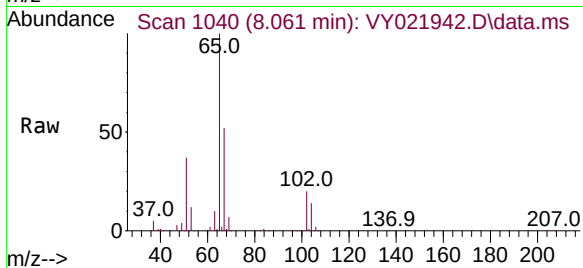
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Tgt Ion: 65 Resp: 122610

Ion Ratio Lower Upper

65 100

67 51.6 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: VY021942.D

Acq: 21 Apr 2025 12:47

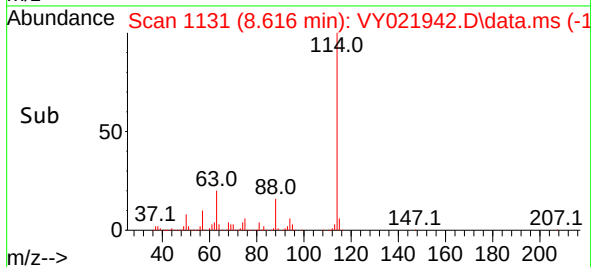
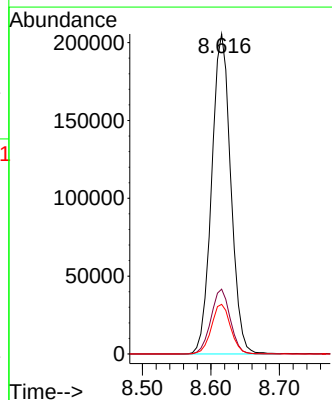
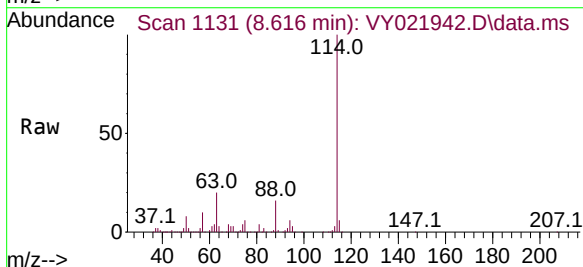
Tgt Ion: 114 Resp: 397511

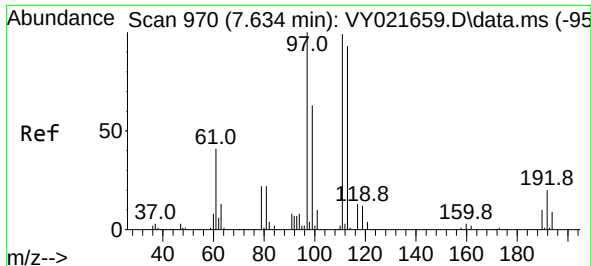
Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.2

88 15.5 0.0 29.8

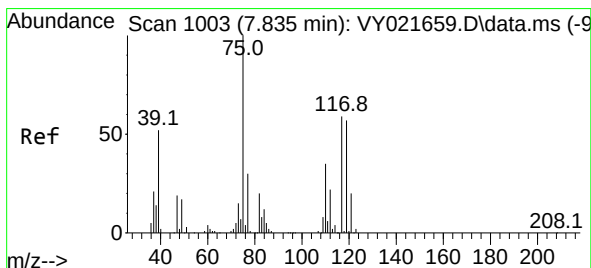
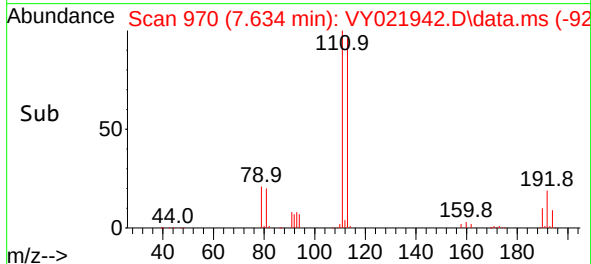
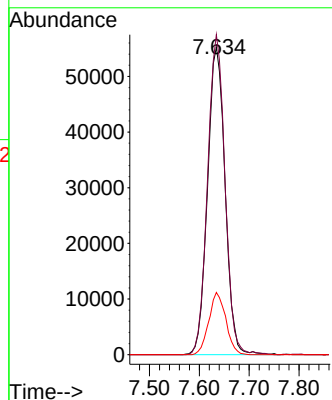
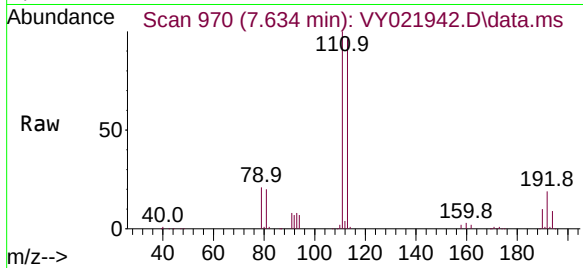




#35
Dibromofluoromethane
Concen: 52.440 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021942.D
Acq: 21 Apr 2025 12:47

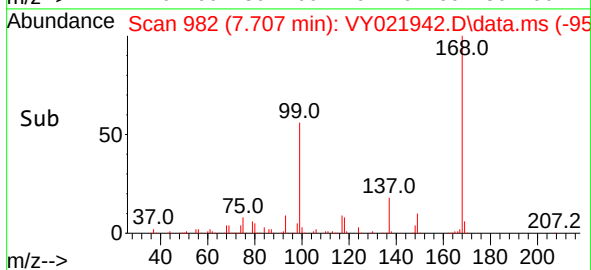
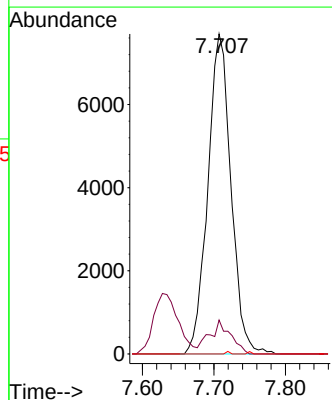
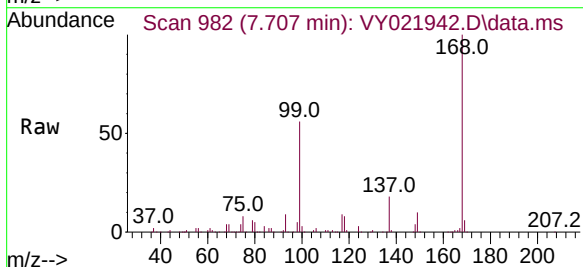
Instrument :
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ClientSampleId :
PL-714-VOC-09

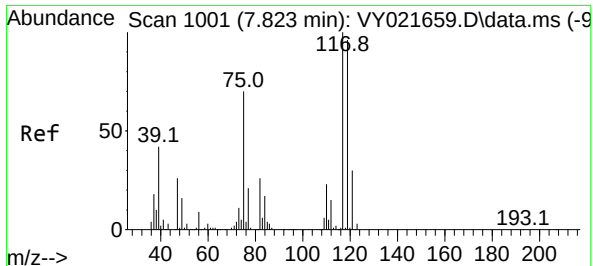
Tgt Ion:113 Resp: 135220
Ion Ratio Lower Upper
113 100
111 103.2 82.6 123.8
192 19.6 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.405 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021942.D
Acq: 21 Apr 2025 12:47

Tgt Ion: 75 Resp: 17303
Ion Ratio Lower Upper
75 100
110 9.6 17.0 50.9#
77 0.1 24.8 37.2#

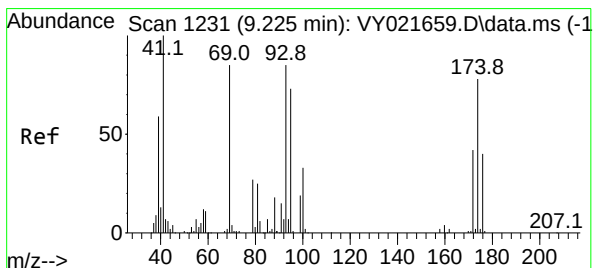
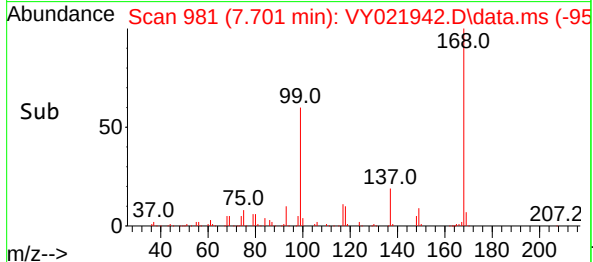
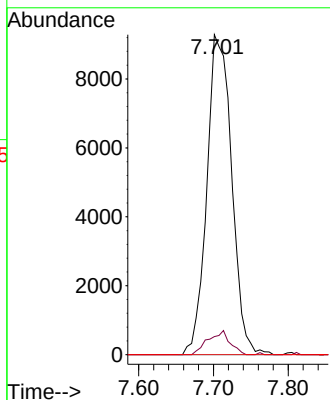
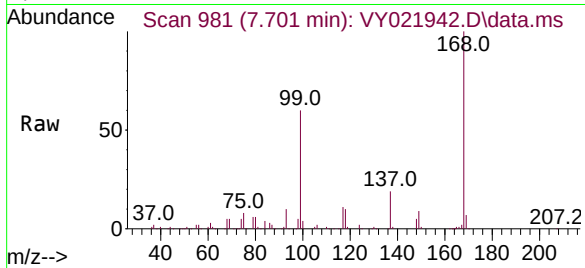




#38
Carbon Tetrachloride
Concen: 4.777 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY021942.D
Acq: 21 Apr 2025 12:47

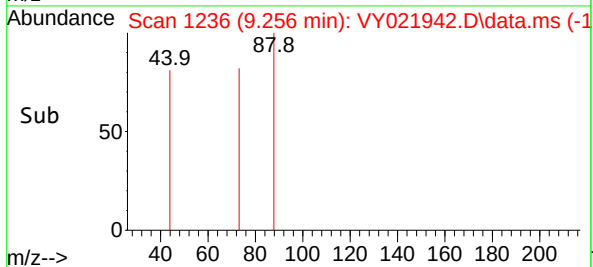
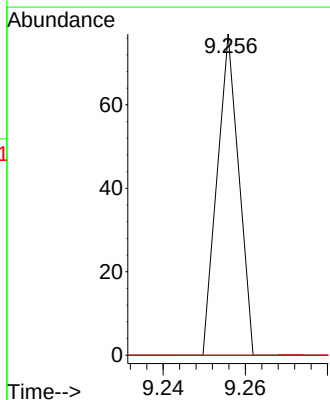
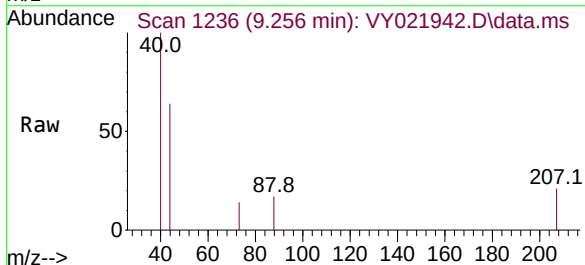
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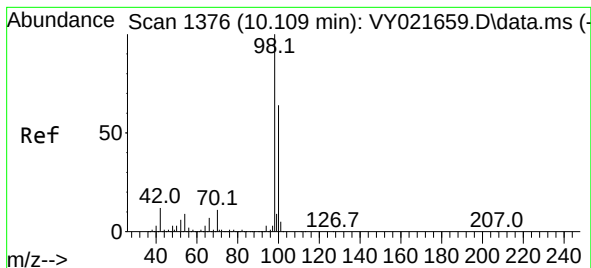
Tgt Ion:117 Resp: 21490
Ion Ratio Lower Upper
117 100
119 5.7 76.2 114.4#
121 0.0 24.2 36.4#



#49
1,4-Dioxane
Concen: 1.629 ug/l
RT: 9.256 min Scan# 1236
Delta R.T. 0.031 min
Lab File: VY021942.D
Acq: 21 Apr 2025 12:47

Tgt Ion: 88 Resp: 28
Ion Ratio Lower Upper
88 100
43 0.0 28.8 43.2#
58 0.0 59.4 89.2#

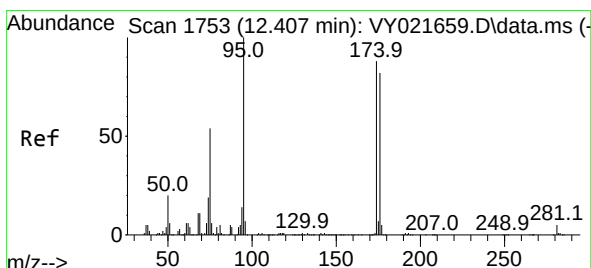
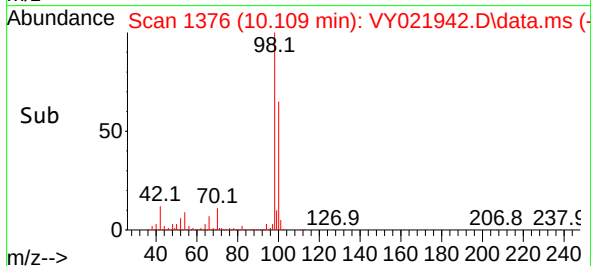
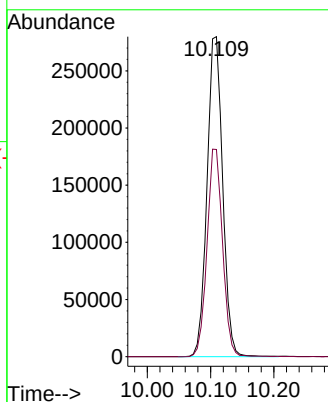
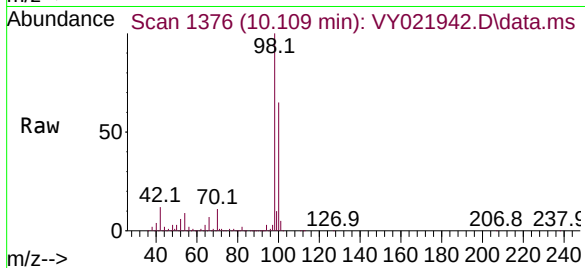




#50
Toluene-d8
Concen: 49.022 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021942.D
Acq: 21 Apr 2025 12:47

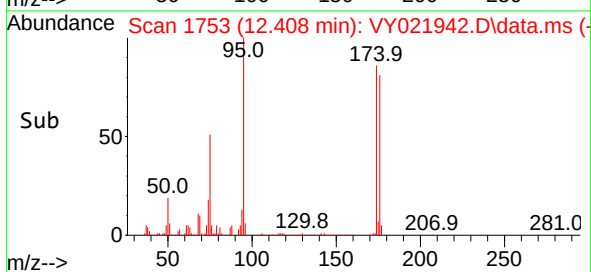
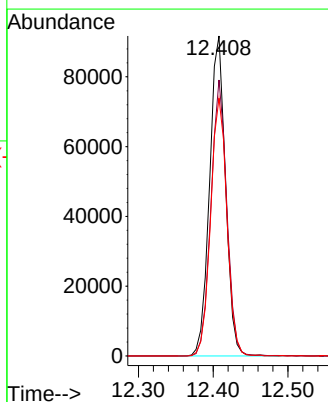
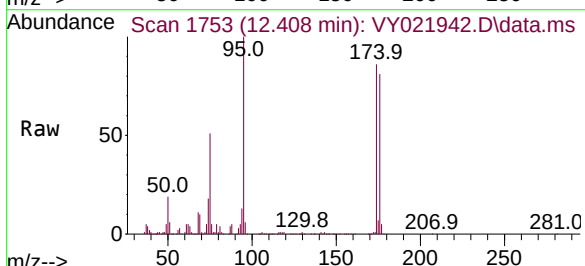
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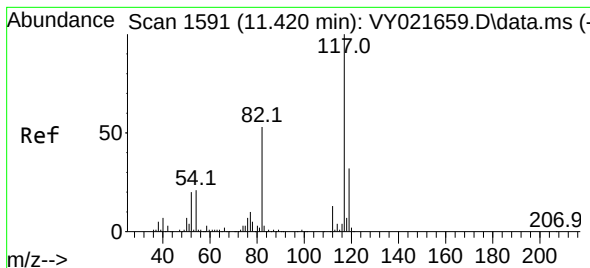
Tgt Ion: 98 Resp: 480889
Ion Ratio Lower Upper
98 100
100 64.5 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 40.997 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021942.D
Acq: 21 Apr 2025 12:47

Tgt Ion: 95 Resp: 136032
Ion Ratio Lower Upper
95 100
174 85.9 0.0 170.8
176 82.1 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY021942.D

Acq: 21 Apr 2025 12:47

Instrument :

MSVOA_Y

ClientSampleId :

PL-714-VOC-09

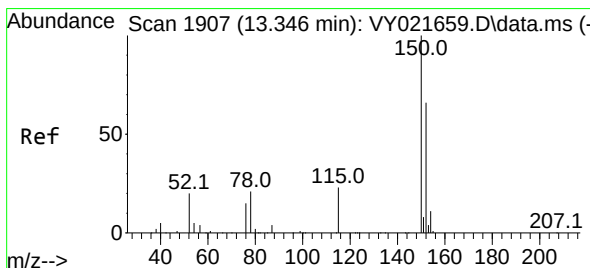
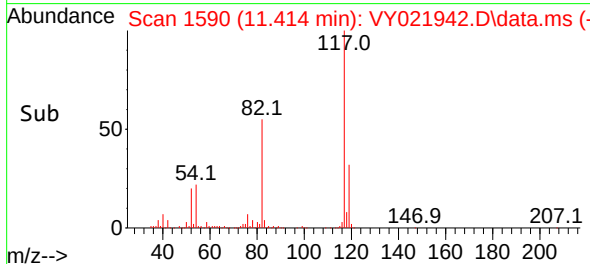
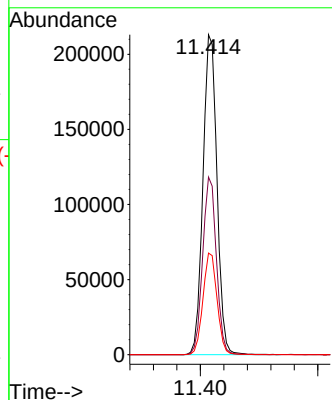
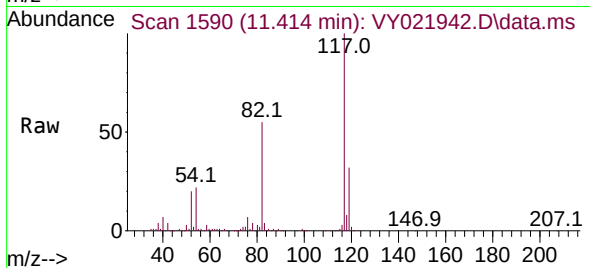
Tgt Ion:117 Resp: 351261

Ion Ratio Lower Upper

117 100

82 55.5 42.8 64.2

119 31.8 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: VY021942.D

Acq: 21 Apr 2025 12:47

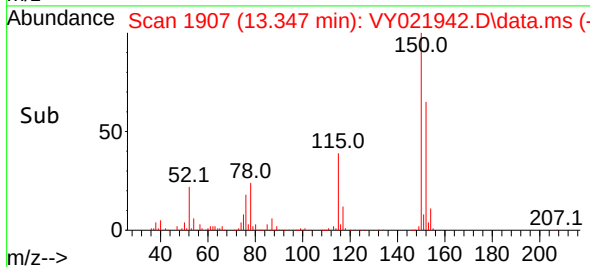
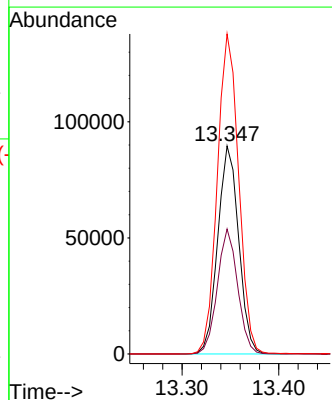
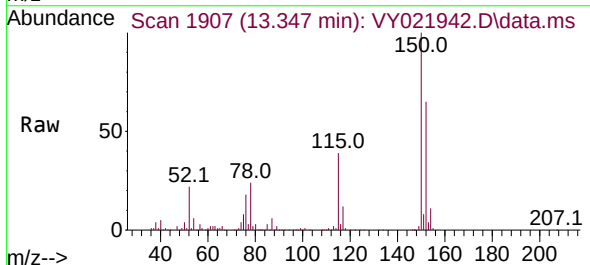
Tgt Ion:152 Resp: 134396

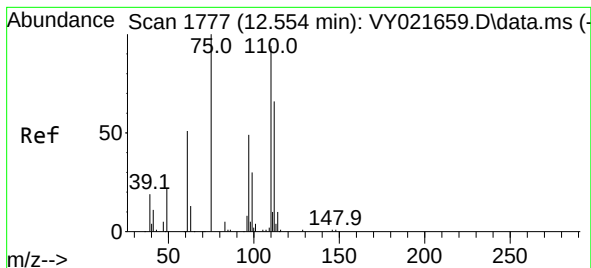
Ion Ratio Lower Upper

152 100

115 58.4 28.8 86.5

150 156.9 0.0 348.4





#76

1,2,3-Trichloropropane

Concen: 53.412 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY021942.D

Acq: 21 Apr 2025 12:47

Instrument :

MSVOA_Y

ClientSampleId :

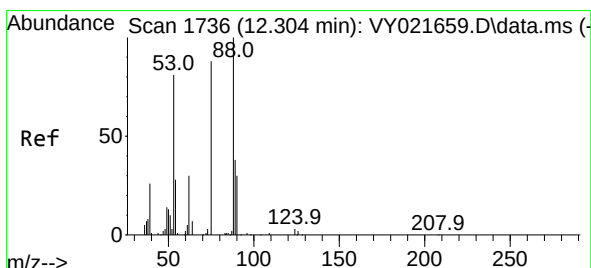
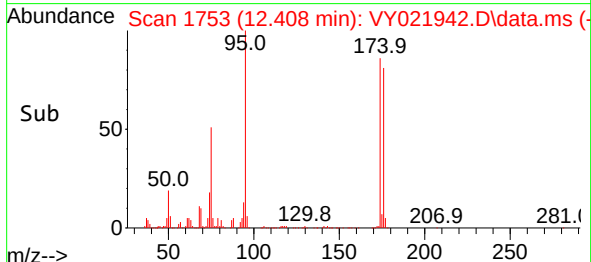
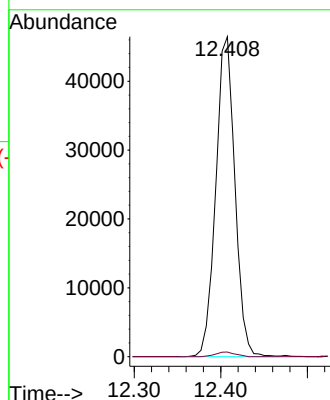
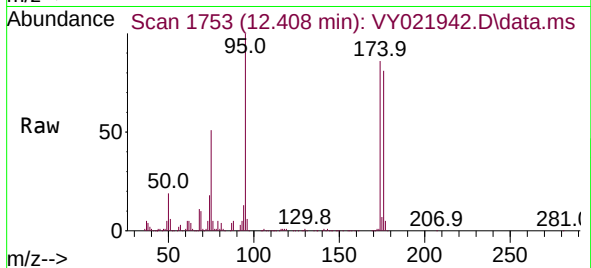
PL-714-VOC-09

Tgt Ion: 75 Resp: 71156

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 123.070 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.104 min

Lab File: VY021942.D

Acq: 21 Apr 2025 12:47

Tgt Ion: 75 Resp: 71156

Ion Ratio Lower Upper

75 100

53 0.2 76.1 114.1#

89 0.1 36.2 54.4#

