

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041825\
 Data File : VY021925.D
 Acq On : 18 Apr 2025 13:00
 Operator : SY/MD
 Sample : Q1832-02
 Misc : 6.17g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PL-714-VOC-01

Quant Time: Apr 19 01:12:03 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)

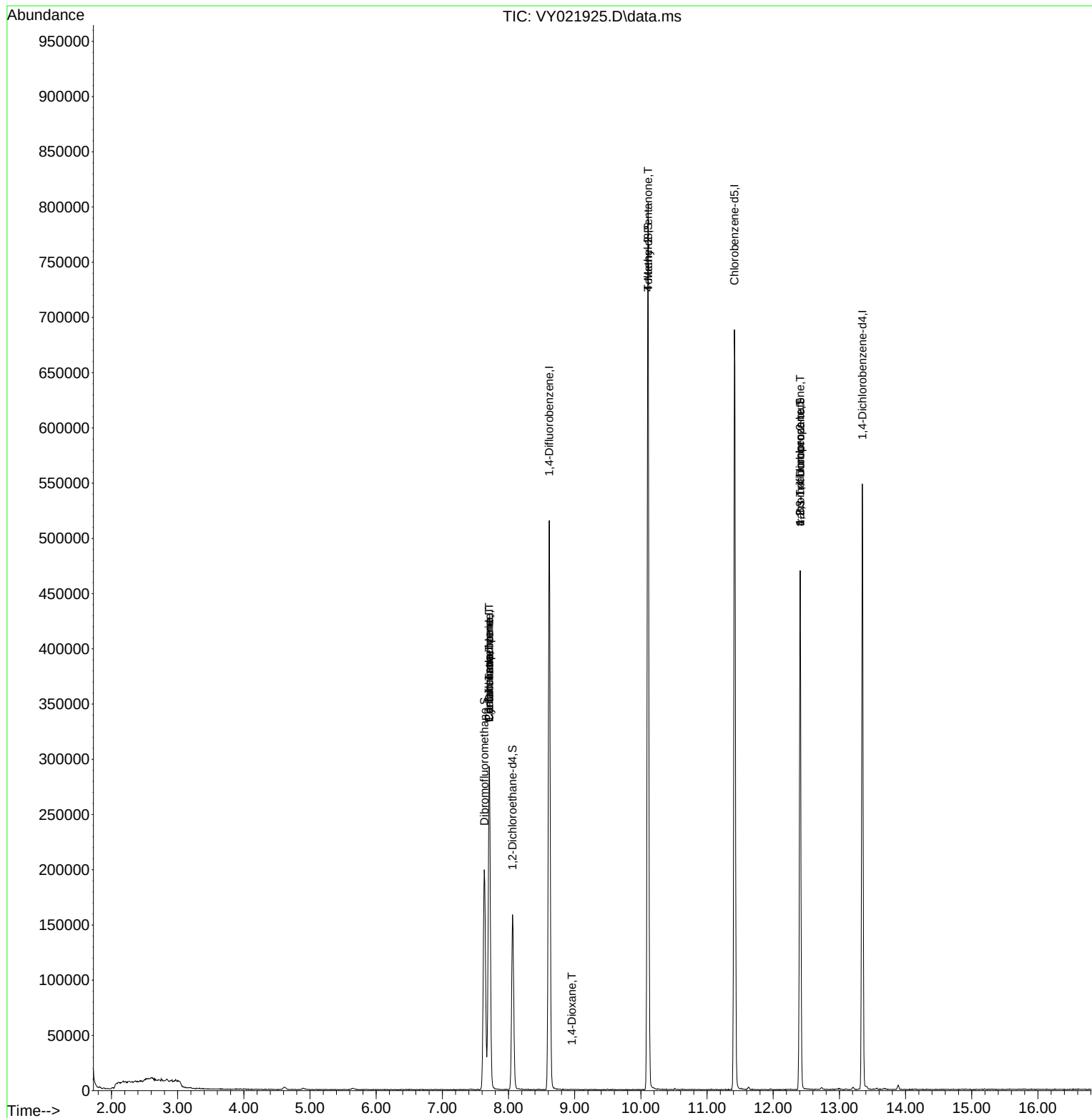
Internal Standards						
1) Pentafluorobenzene	7.707	168	222241	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	420753	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	357381	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	130855	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	125729	52.215	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.420%	
35) Dibromofluoromethane	7.634	113	140569	51.503	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.000%	
50) Toluene-d8	10.109	98	504431	48.581	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.160%	
62) 4-Bromofluorobenzene	12.408	95	136482	38.860	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 77.720%	
Target Compounds						Qvalue
20) Methylene Chloride	4.604	84	680	Below Cal	#	82
31) Cyclohexane	7.707	56	4972	1.170	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	17955	4.319	ug/l #	49
38) Carbon Tetrachloride	7.707	117	22825	4.794	ug/l #	17
49) 1,4-Dioxane	8.957	88	20	1.099	ug/l #	21
51) 4-Methyl-2-Pentanone	10.109	43	2352	1.216	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	72057	55.552	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	72057	128.001	ug/l #	12

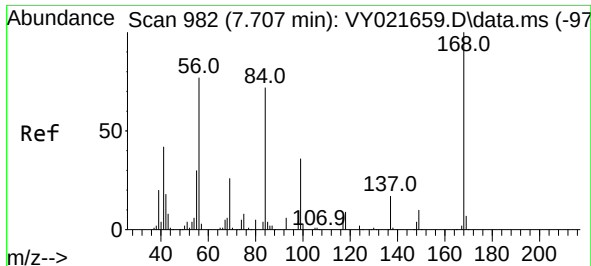
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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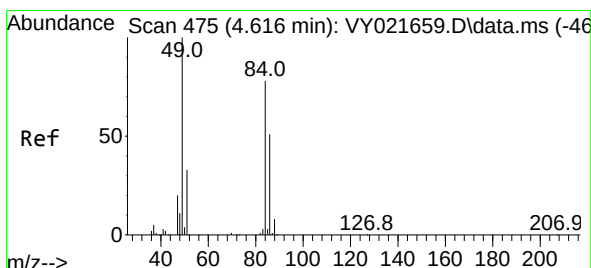
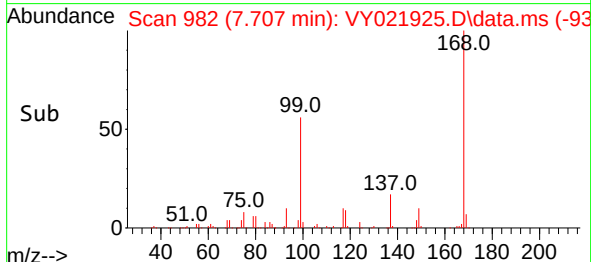
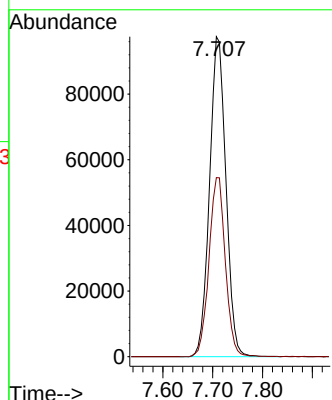
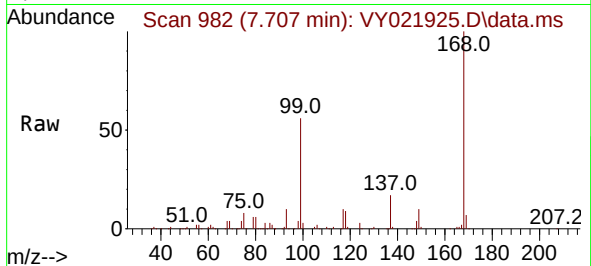




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021925.D
Acq: 18 Apr 2025 13:00

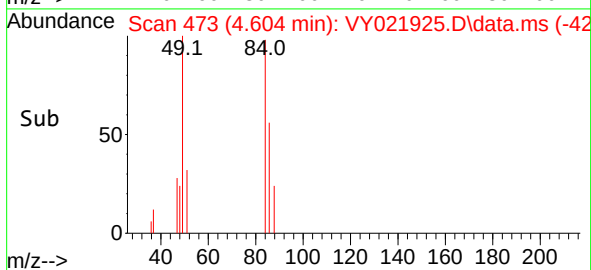
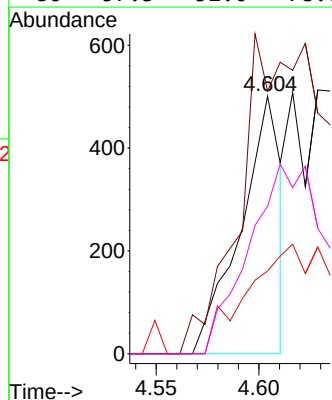
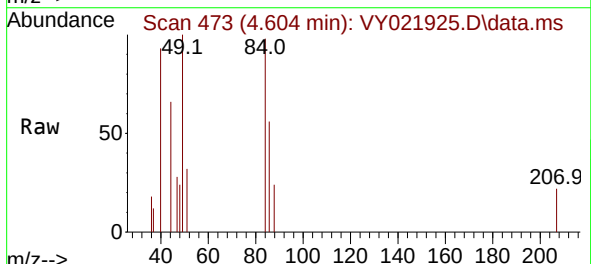
Instrument :
MSVOA_Y
ClientSampleId :
PL-714-VOC-01

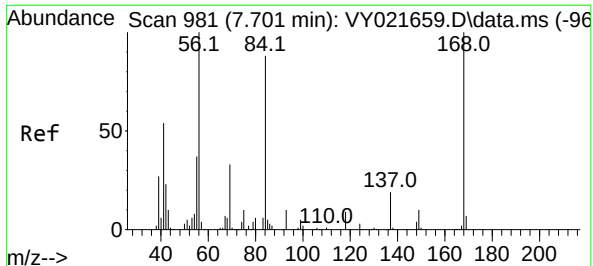
Tgt Ion:168 Resp: 222241
Ion Ratio Lower Upper
168 100
99 55.9 46.7 70.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.604 min Scan# 473
Delta R.T. -0.012 min
Lab File: VY021925.D
Acq: 18 Apr 2025 13:00

Tgt Ion: 84 Resp: 680
Ion Ratio Lower Upper
84 100
49 102.0 102.8 154.2#
51 32.1 33.5 50.3#
86 57.3 52.0 78.0

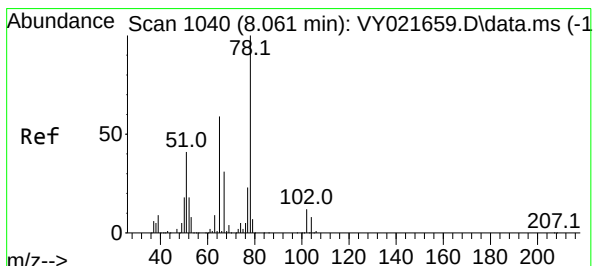
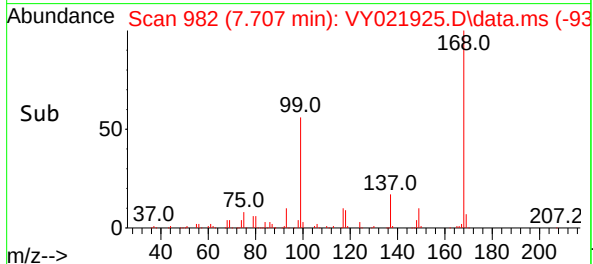
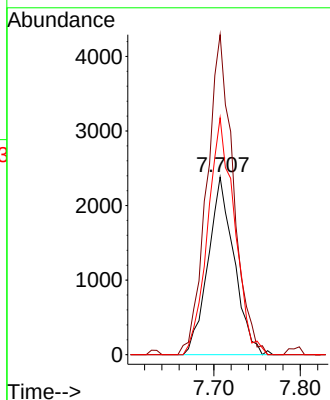
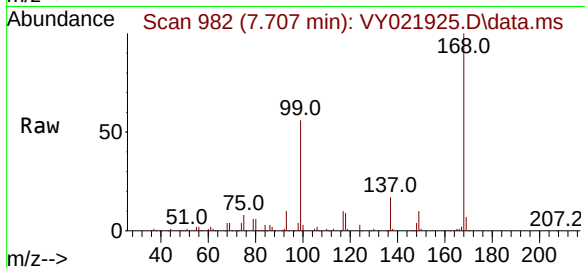




#31
Cyclohexane
Concen: 1.170 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY021925.D
Acq: 18 Apr 2025 13:00

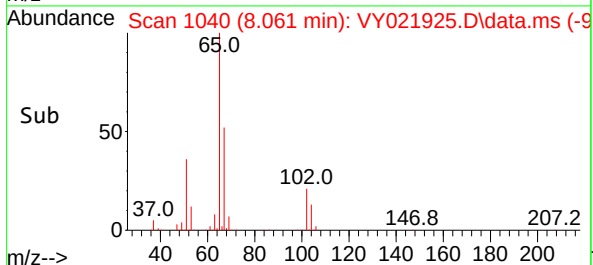
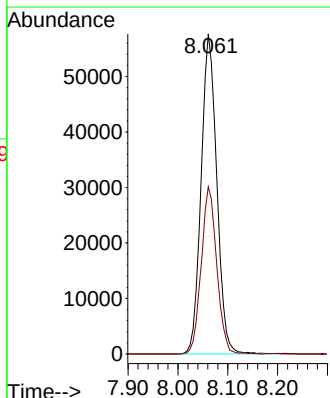
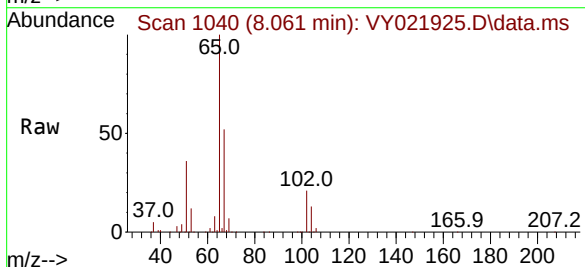
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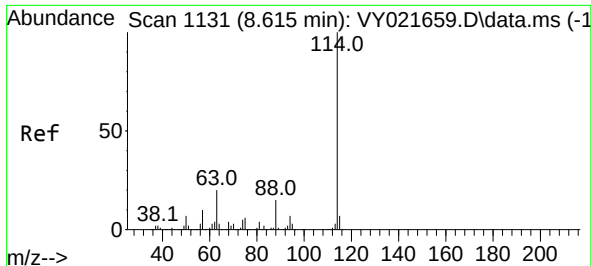
Tgt Ion: 56 Resp: 4972
Ion Ratio Lower Upper
56 100
69 180.3 26.6 40.0#
84 133.5 69.0 103.4#



#33
1,2-Dichloroethane-d4
Concen: 52.215 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021925.D
Acq: 18 Apr 2025 13:00

Tgt Ion: 65 Resp: 125729
Ion Ratio Lower Upper
65 100
67 51.7 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: VY021925.D

Acq: 18 Apr 2025 13:00

Instrument :

MSVOA_Y

ClientSampleId :

PL-714-VOC-01

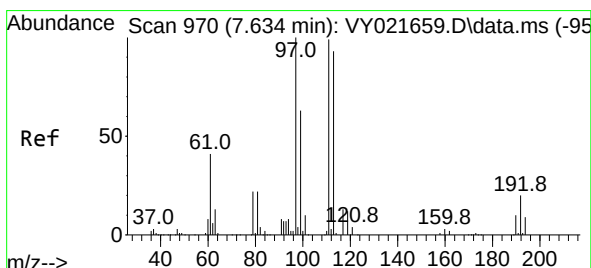
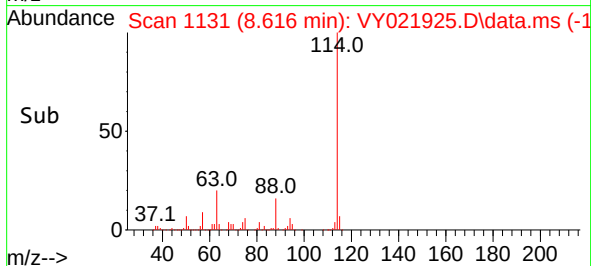
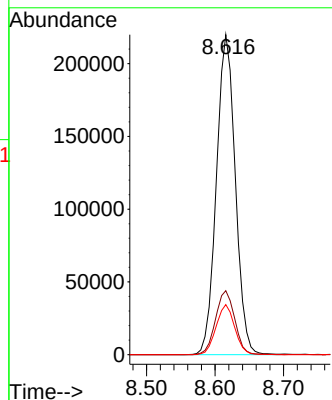
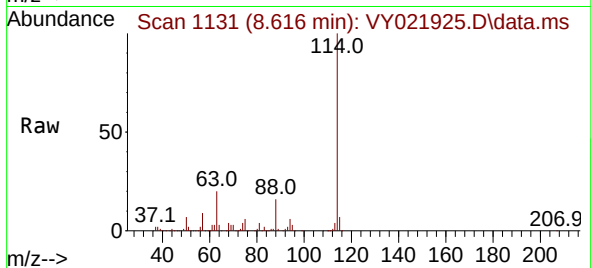
Tgt Ion:114 Resp: 420753

Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.2

88 15.6 0.0 29.8



#35

Dibromofluoromethane

Concen: 51.503 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021925.D

Acq: 18 Apr 2025 13:00

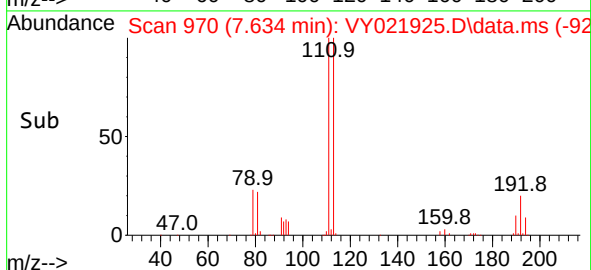
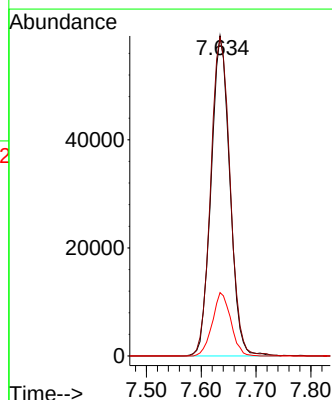
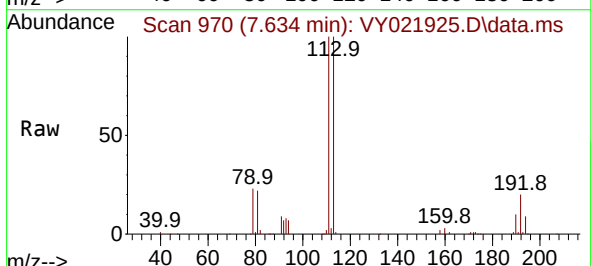
Tgt Ion:113 Resp: 140569

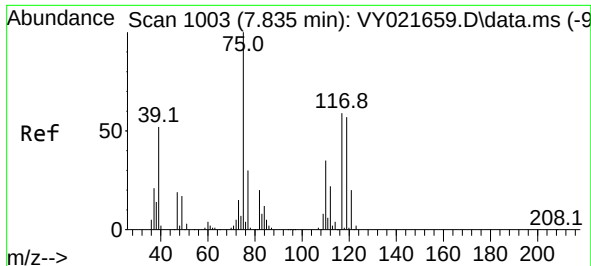
Ion Ratio Lower Upper

113 100

111 102.9 82.6 123.8

192 19.5 16.2 24.4

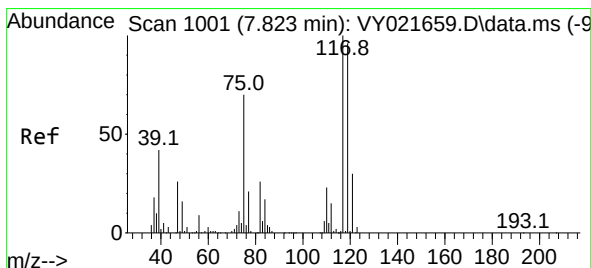
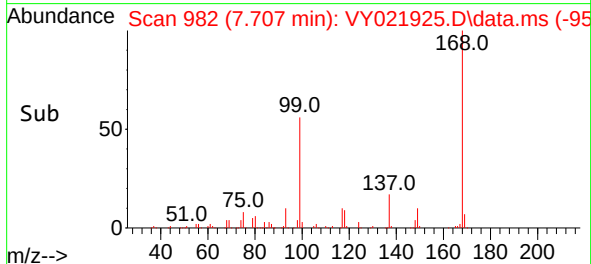
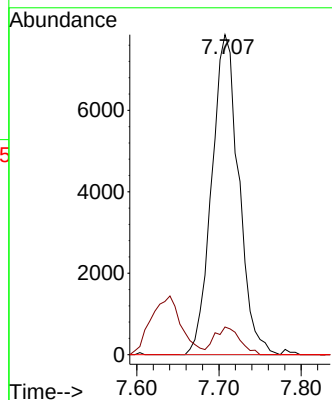
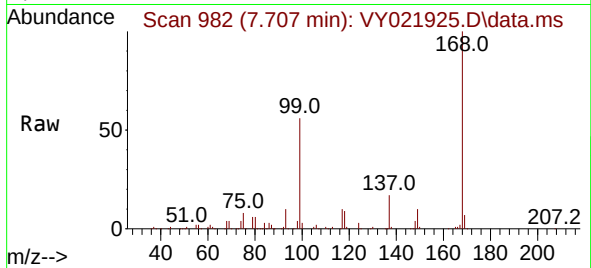




#36
 1,1-Dichloropropene
 Concen: 4.319 ug/l
 RT: 7.707 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY021925.D
 Acq: 18 Apr 2025 13:00

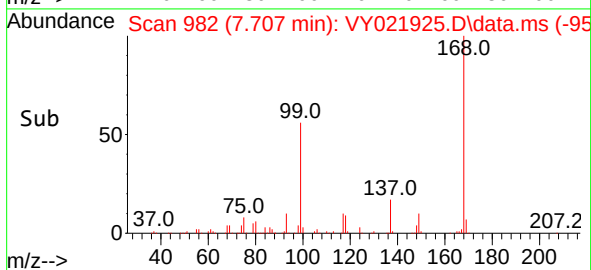
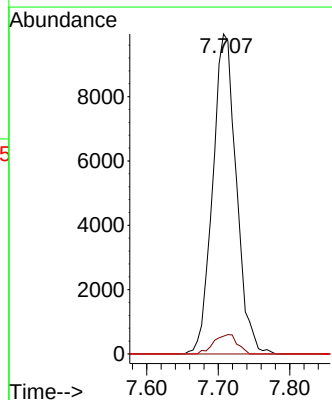
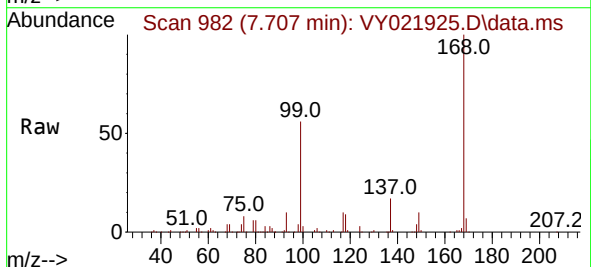
Instrument :
 MSVOA_Y
 ClientSampleId :
 PL-714-VOC-01

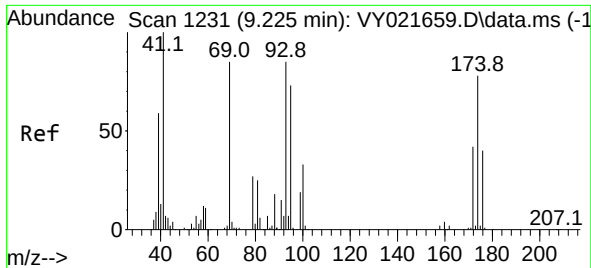
Tgt Ion: 75 Resp: 17955
 Ion Ratio Lower Upper
 75 100
 110 8.0 17.0 50.9#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 4.794 ug/l
 RT: 7.707 min Scan# 982
 Delta R.T. -0.116 min
 Lab File: VY021925.D
 Acq: 18 Apr 2025 13:00

Tgt Ion: 117 Resp: 22825
 Ion Ratio Lower Upper
 117 100
 119 5.6 76.2 114.4#
 121 0.0 24.2 36.4#





#49

1,4-Dioxane

Concen: 1.099 ug/l

RT: 8.957 min Scan# 1187

Delta R.T. -0.268 min

Lab File: VY021925.D

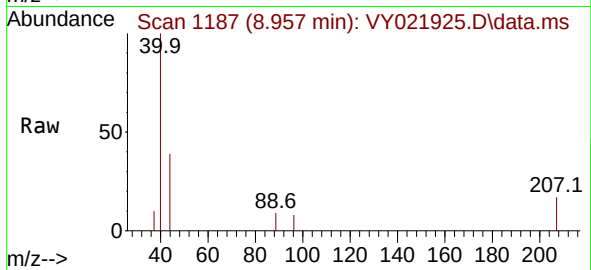
Acq: 18 Apr 2025 13:00

Instrument :

MSVOA_Y

ClientSampleId :

PL-714-VOC-01



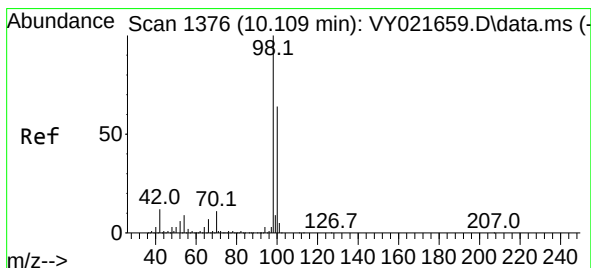
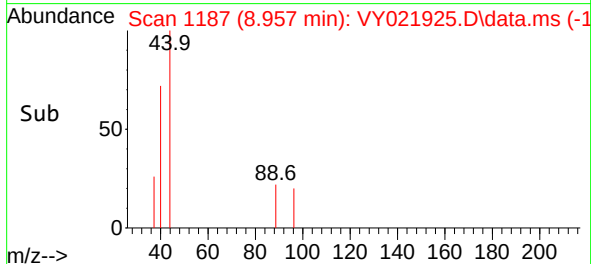
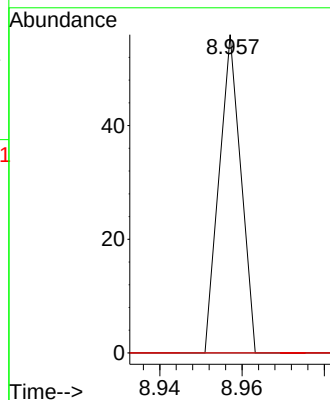
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 0.0 28.8 43.2#

58 0.0 59.4 89.2#



#50

Toluene-d8

Concen: 48.581 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021925.D

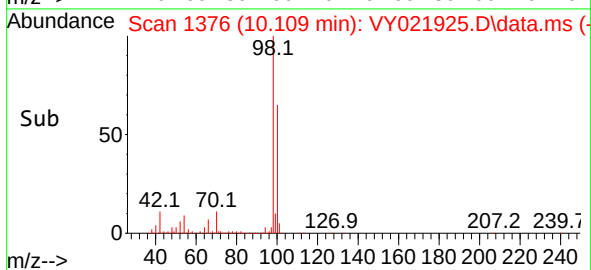
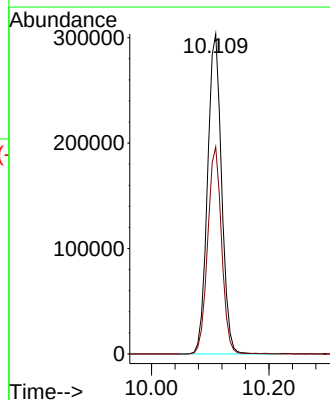
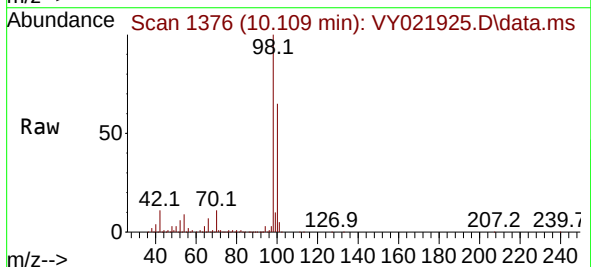
Acq: 18 Apr 2025 13:00

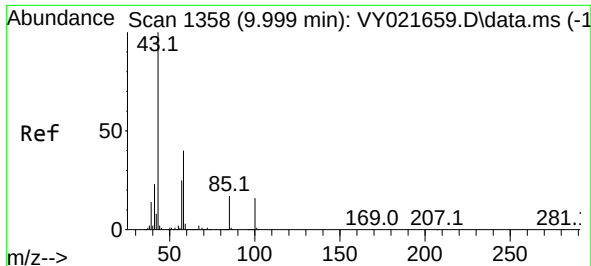
Tgt Ion: 98 Resp: 504431

Ion Ratio Lower Upper

98 100

100 64.0 52.1 78.1

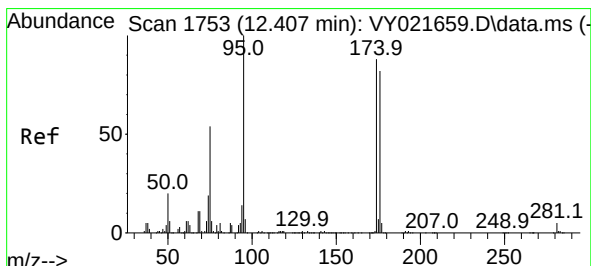
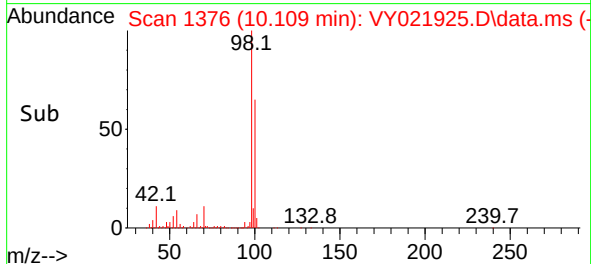
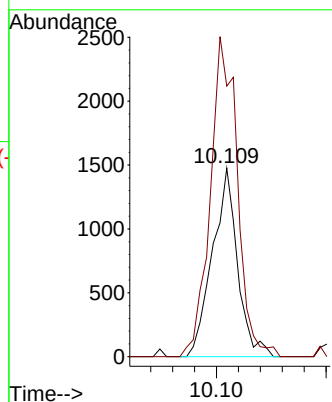
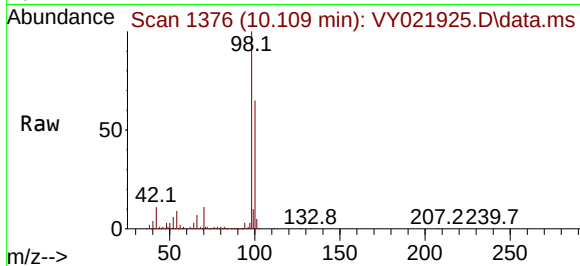




#51
4-Methyl-2-Pentanone
Concen: 1.216 ug/l
RT: 10.109 min Scan# 1358
Delta R.T. 0.110 min
Lab File: VY021925.D
Acq: 18 Apr 2025 13:00

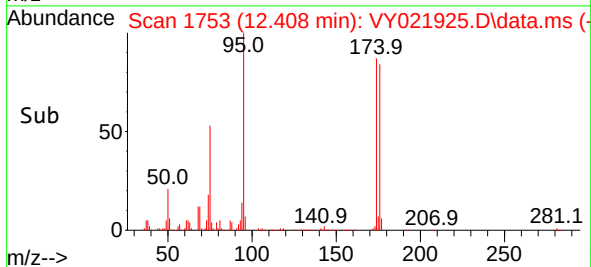
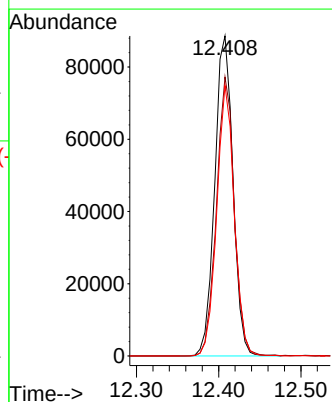
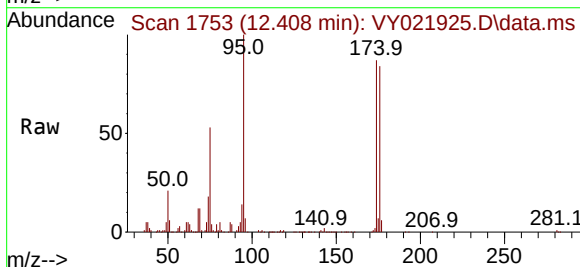
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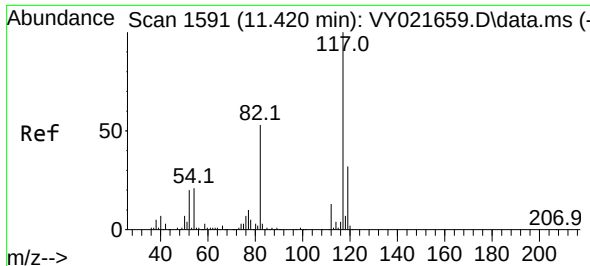
Tgt Ion: 43 Resp: 2352
Ion Ratio Lower Upper
43 100
58 182.4 31.5 47.3#



#62
4-Bromofluorobenzene
Concen: 38.860 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021925.D
Acq: 18 Apr 2025 13:00

Tgt Ion: 95 Resp: 136482
Ion Ratio Lower Upper
95 100
174 85.5 0.0 170.8
176 81.2 0.0 162.0

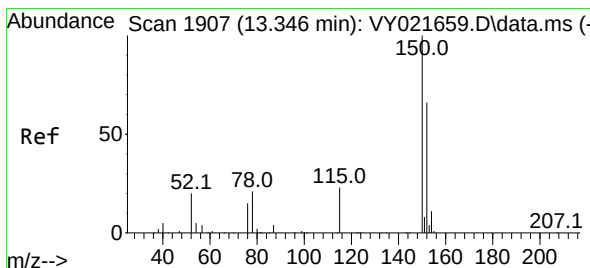
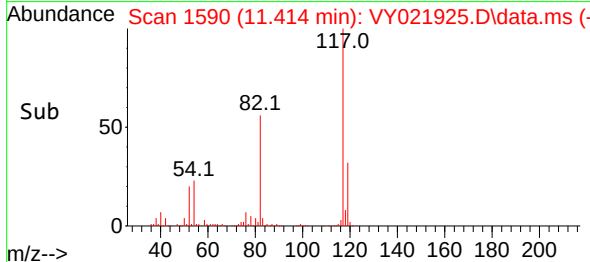
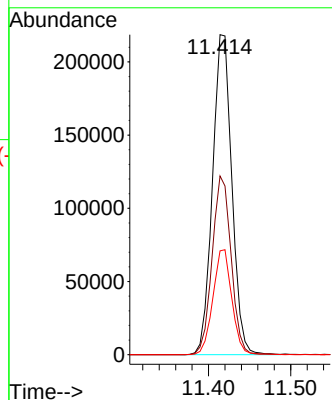
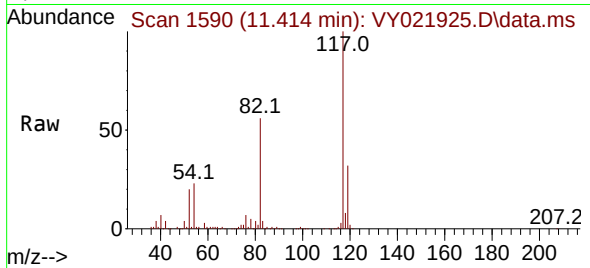




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021925.D
Acq: 18 Apr 2025 13:00

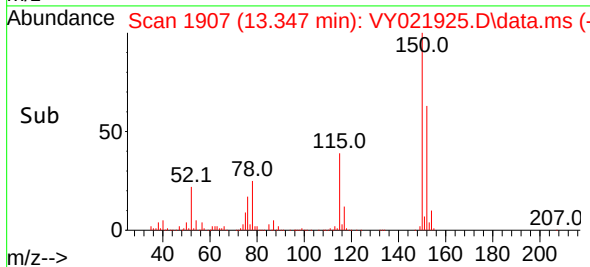
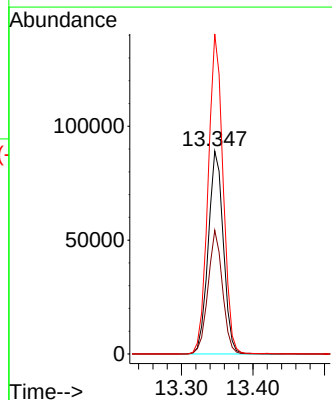
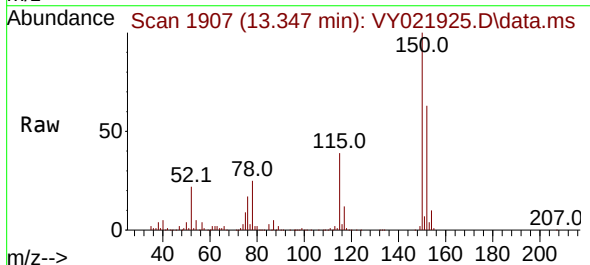
Instrument :
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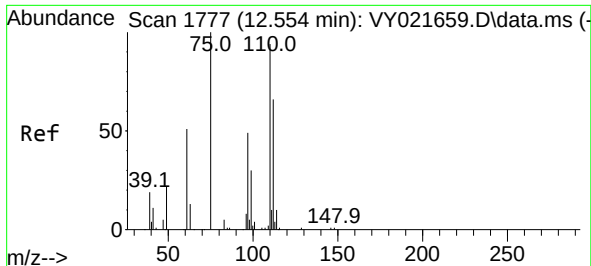
Tgt Ion:117 Resp: 357381
Ion Ratio Lower Upper
117 100
82 55.9 42.8 64.2
119 32.5 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021925.D
Acq: 18 Apr 2025 13:00

Tgt Ion:152 Resp: 130855
Ion Ratio Lower Upper
152 100
115 58.5 28.8 86.5
150 155.7 0.0 348.4

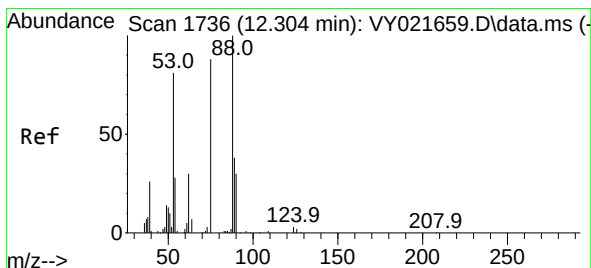
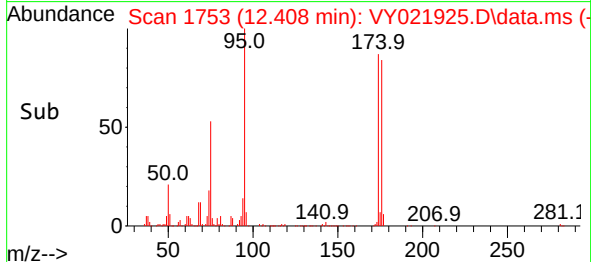
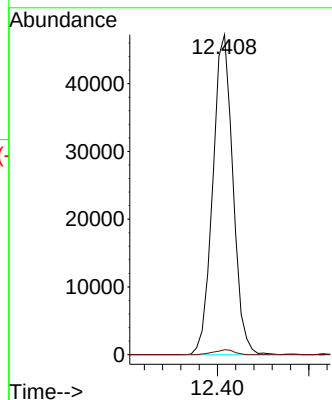
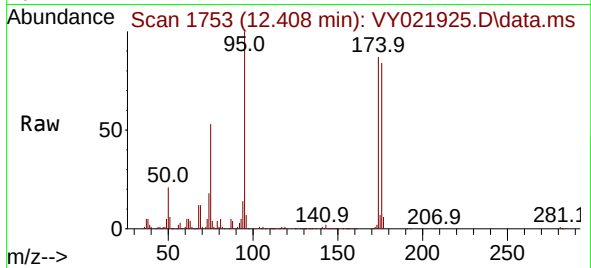




#76
1,2,3-Trichloropropane
Concen: 55.552 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY021925.D
Acq: 18 Apr 2025 13:00

Instrument :
MSVOA_Y
ClientSampleId :
PL-714-VOC-01

Tgt Ion: 75 Resp: 72057
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 128.001 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021925.D
Acq: 18 Apr 2025 13:00

Tgt Ion: 75 Resp: 72057
Ion Ratio Lower Upper
75 100
53 0.2 76.1 114.1#
89 0.1 36.2 54.4#

