

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
 Data File : VY021941.D
 Acq On : 21 Apr 2025 12:23
 Operator : SY/MD
 Sample : Q1842-02
 Misc : 5.45g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PL-714-VOC-08

Quant Time: Apr 22 02:44:26 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)

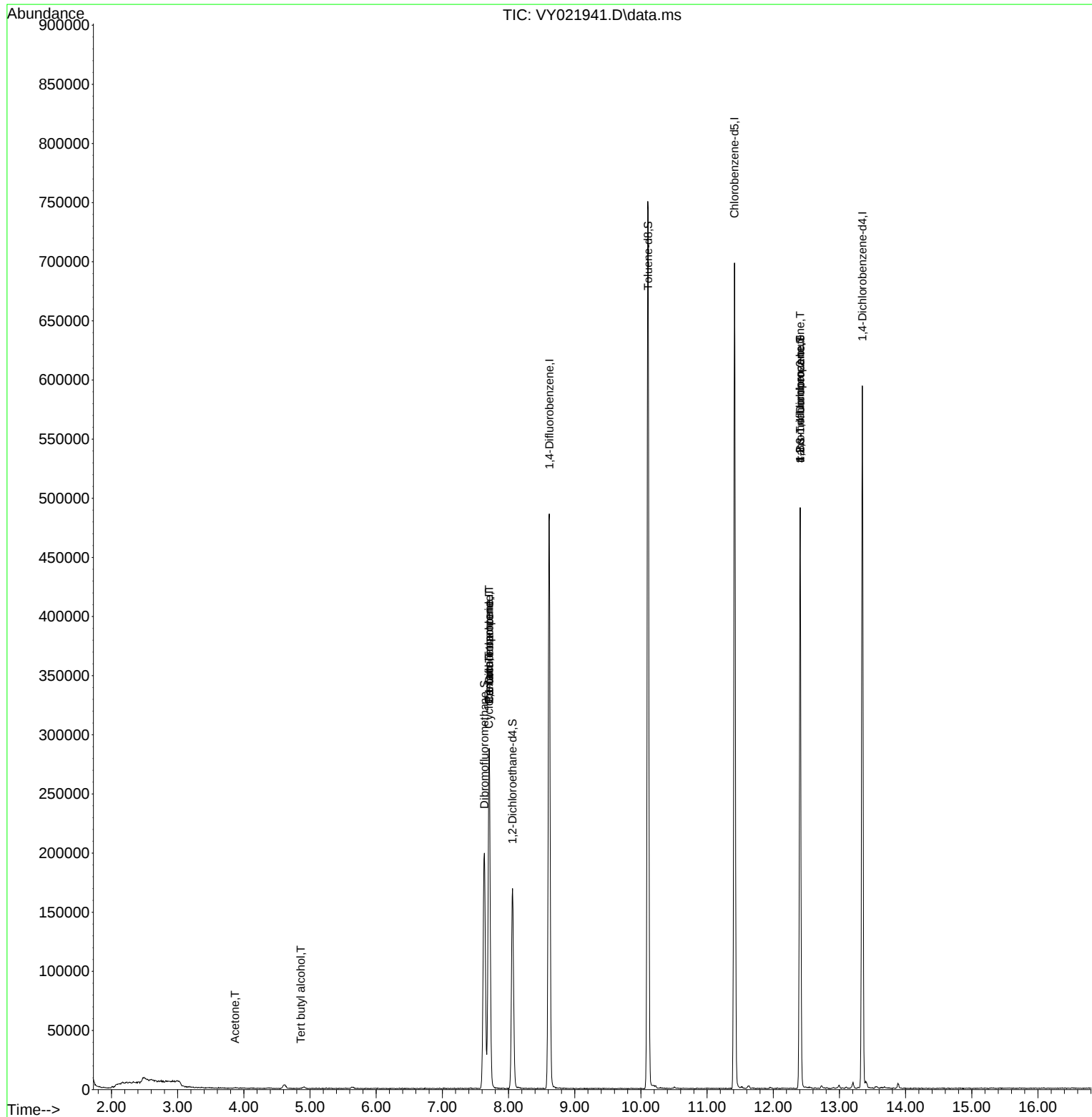
Internal Standards						
1) Pentafluorobenzene	7.707	168	212679	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	406396	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	360712	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	145254	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	134075	58.184	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.360%	
35) Dibromofluoromethane	7.634	113	141405	53.639	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.280%	
50) Toluene-d8	10.109	98	485244	48.384	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.760%	
62) 4-Bromofluorobenzene	12.408	95	143942	42.432	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 84.860%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.860	59	176	1.176	ug/l #	70
16) Acetone	3.867	43	647	1.372	ug/l #	75
20) Methylene Chloride	4.622	84	2391	Below Cal		96
31) Cyclohexane	7.701	56	4762	1.171	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	17680	4.403	ug/l #	50
38) Carbon Tetrachloride	7.707	117	22044	4.793	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	76464	53.106	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	76464	122.365	ug/l #	12

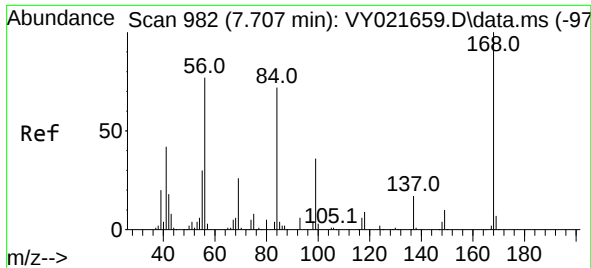
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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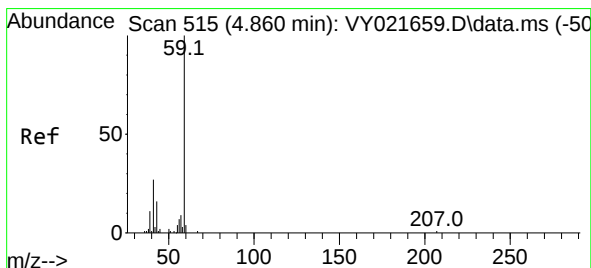
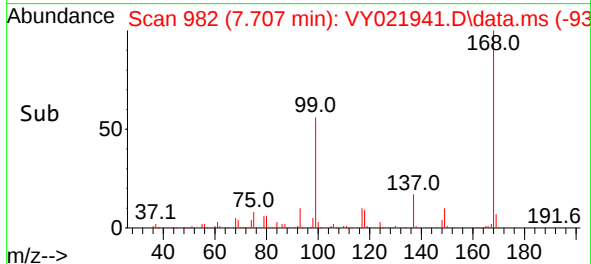
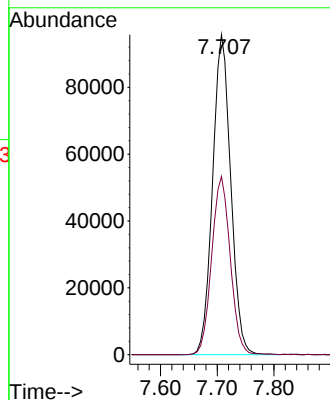
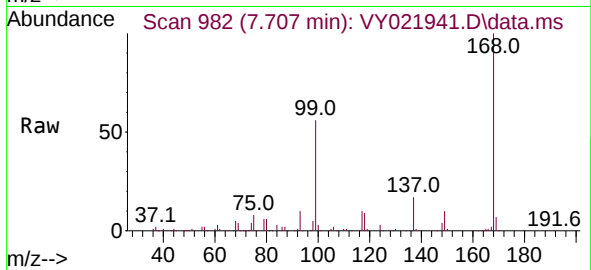




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021941.D
Acq: 21 Apr 2025 12:23

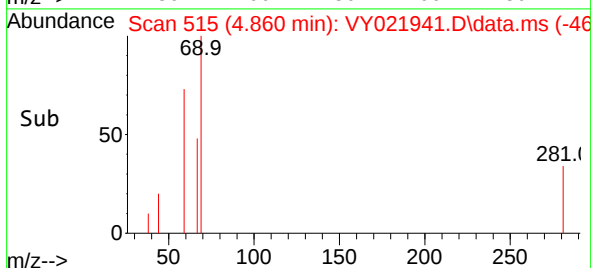
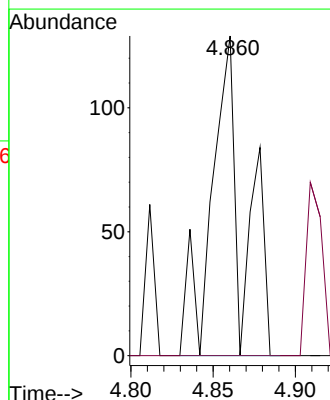
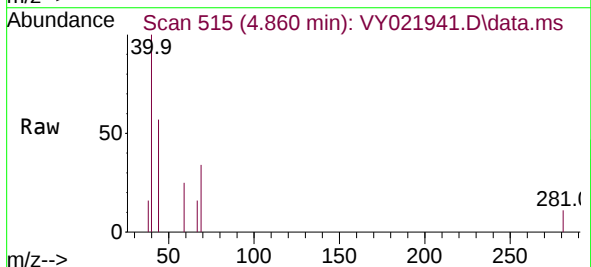
Instrument :
MSVOA_Y
ClientSampleId :
PL-714-VOC-08

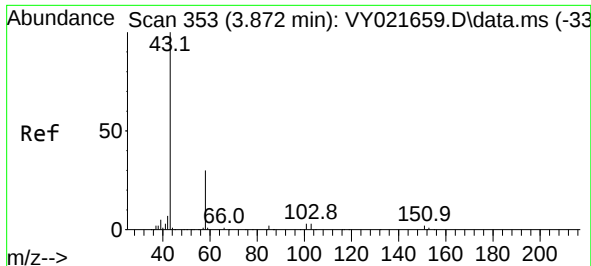
Tgt Ion:168 Resp: 212679
Ion Ratio Lower Upper
168 100
99 55.7 46.7 70.1



#11
Tert butyl alcohol
Concen: 1.176 ug/l
RT: 4.860 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY021941.D
Acq: 21 Apr 2025 12:23

Tgt Ion: 59 Resp: 176
Ion Ratio Lower Upper
59 100
57 0.0 9.2 13.8#





#16

Acetone

Concen: 1.372 ug/l

RT: 3.867 min Scan# 31

Delta R.T. -0.006 min

Lab File: VY021941.D

Acq: 21 Apr 2025 12:23

Instrument :

MSVOA_Y

ClientSampleId :

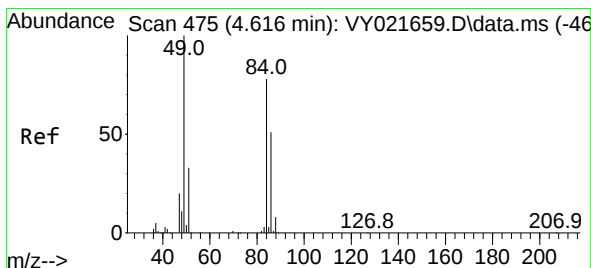
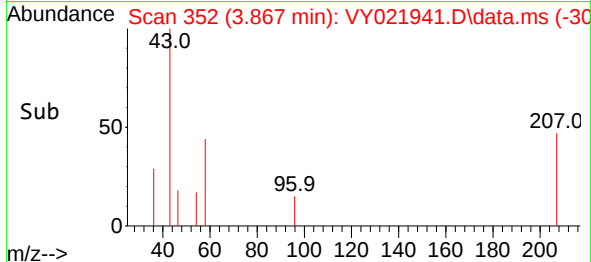
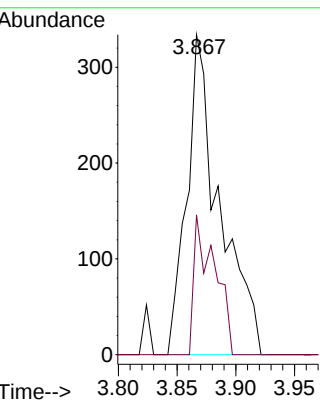
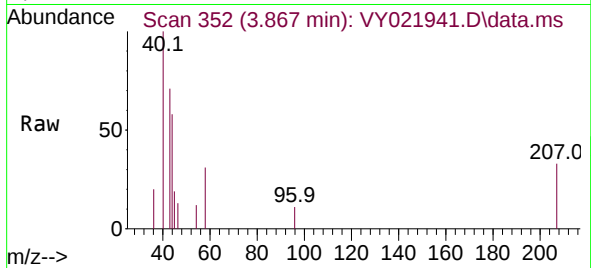
PL-714-VOC-08

Tgt Ion: 43 Resp: 647

Ion Ratio Lower Upper

43 100

58 43.7 24.2 36.4#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.622 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY021941.D

Acq: 21 Apr 2025 12:23

Tgt Ion: 84 Resp: 2391

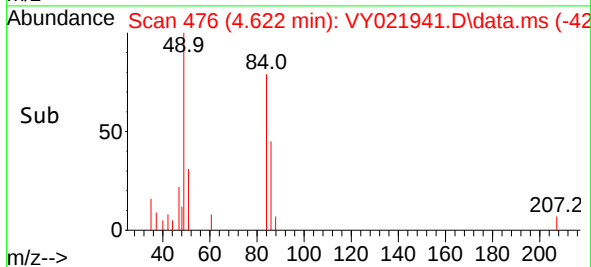
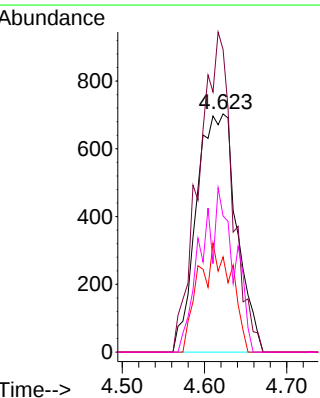
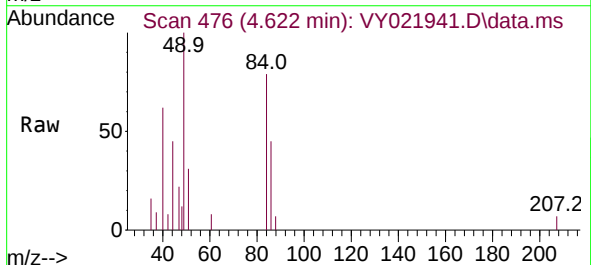
Ion Ratio Lower Upper

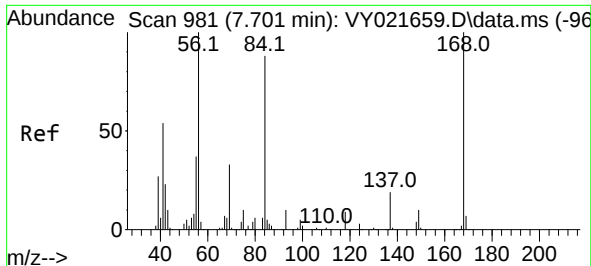
84 100

49 127.0 102.8 154.2

51 40.0 33.5 50.3

86 57.2 52.0 78.0

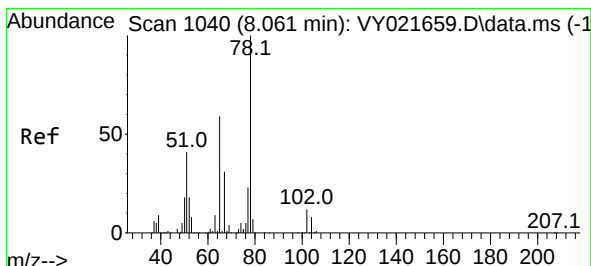
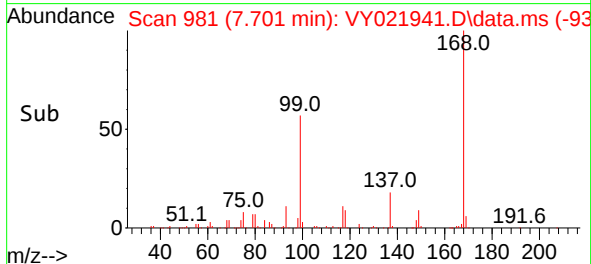
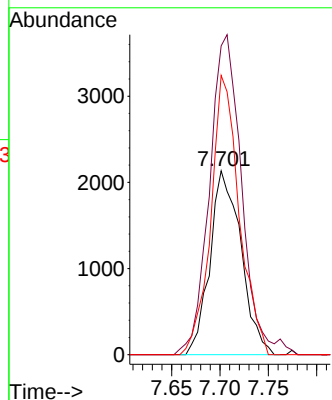
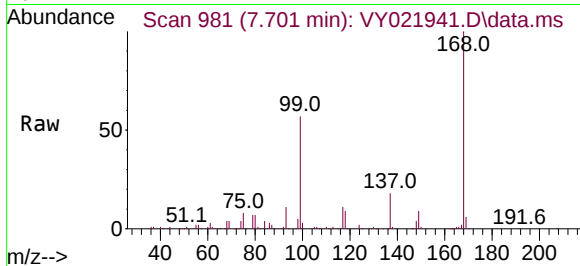




#31
Cyclohexane
Concen: 1.171 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY021941.D
Acq: 21 Apr 2025 12:23

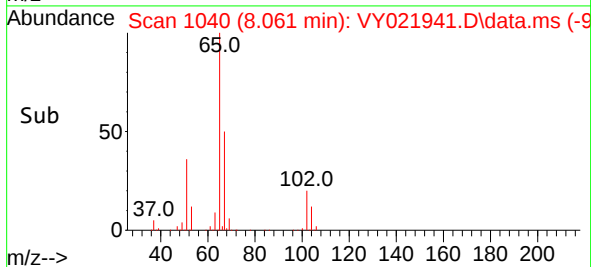
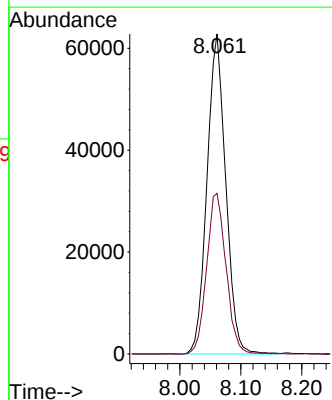
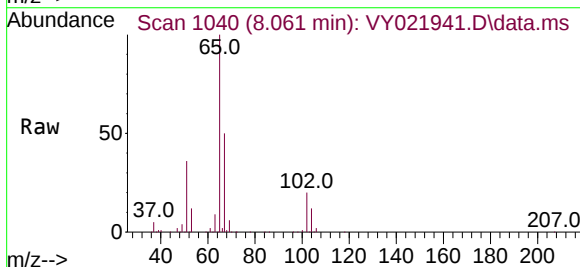
Instrument :
MSVOA_Y
ClientSampleId :
PL-714-VOC-08

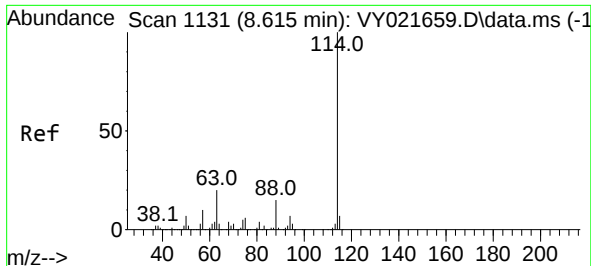
Tgt Ion: 56 Resp: 4762
Ion Ratio Lower Upper
56 100
69 164.9 26.6 40.0#
84 151.9 69.0 103.4#



#33
1,2-Dichloroethane-d4
Concen: 58.184 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021941.D
Acq: 21 Apr 2025 12:23

Tgt Ion: 65 Resp: 134075
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.6

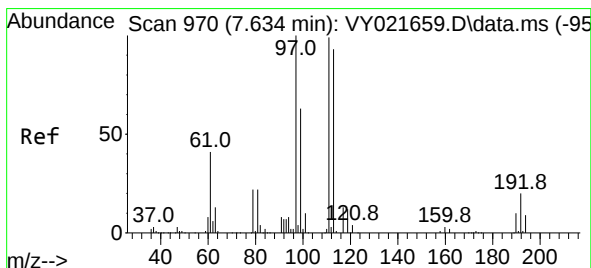
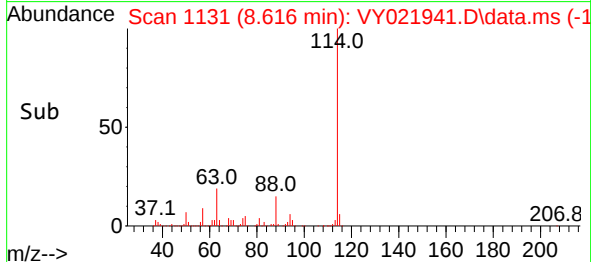
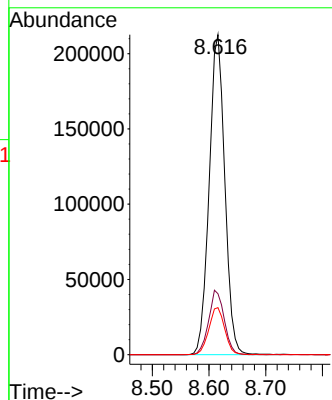
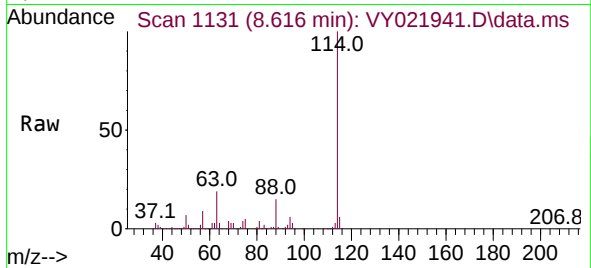




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021941.D
Acq: 21 Apr 2025 12:23

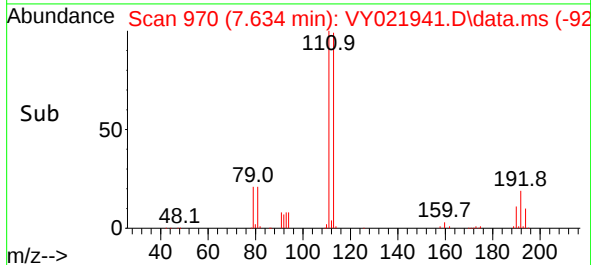
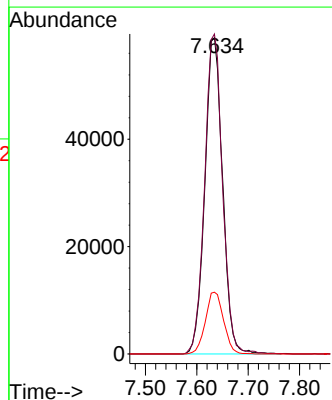
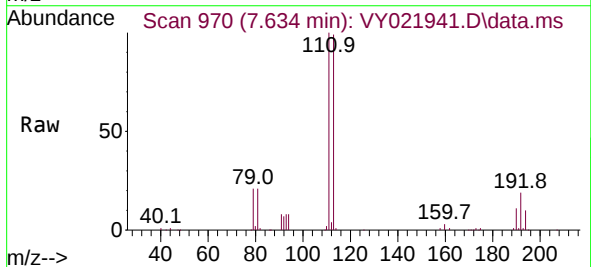
Instrument :
MSVOA_Y
ClientSampleId :
PL-714-VOC-08

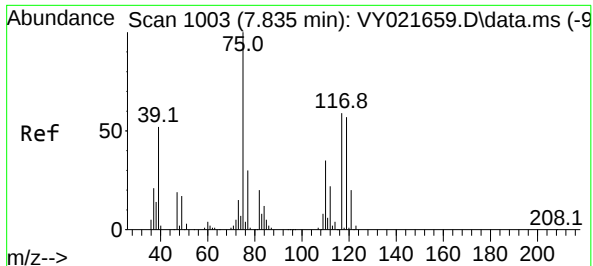
Tgt Ion:114 Resp: 406396
Ion Ratio Lower Upper
114 100
63 19.1 0.0 40.2
88 14.7 0.0 29.8



#35
Dibromofluoromethane
Concen: 53.639 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021941.D
Acq: 21 Apr 2025 12:23

Tgt Ion:113 Resp: 141405
Ion Ratio Lower Upper
113 100
111 102.1 82.6 123.8
192 19.9 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.403 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY021941.D

Acq: 21 Apr 2025 12:23

Instrument :

MSVOA_Y

ClientSampleId :

PL-714-VOC-08

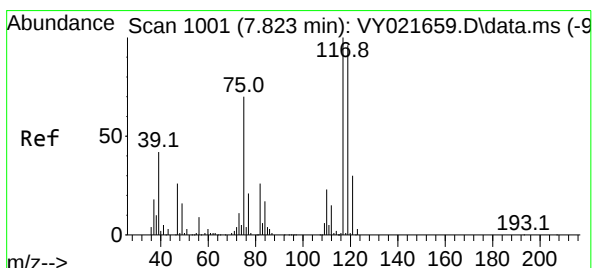
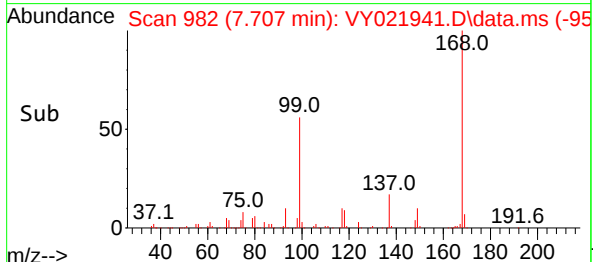
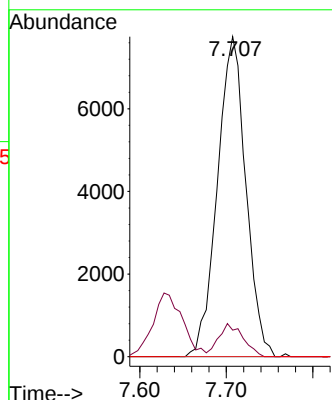
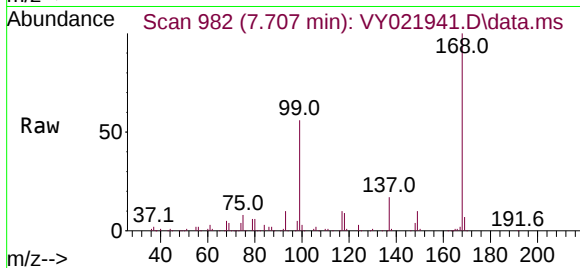
Tgt Ion: 75 Resp: 17680

Ion Ratio Lower Upper

75 100

110 8.9 17.0 50.9#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 4.793 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY021941.D

Acq: 21 Apr 2025 12:23

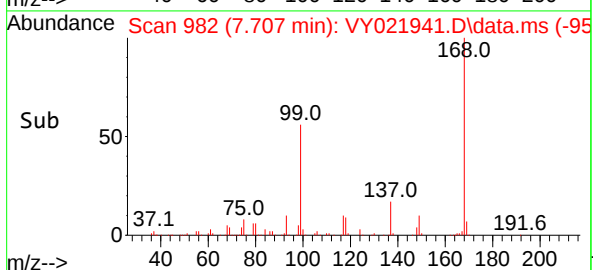
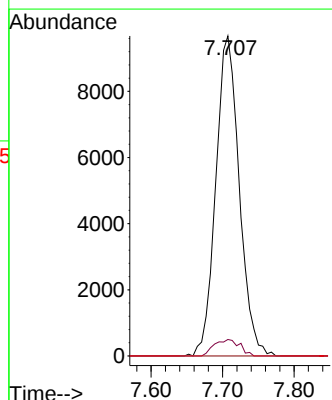
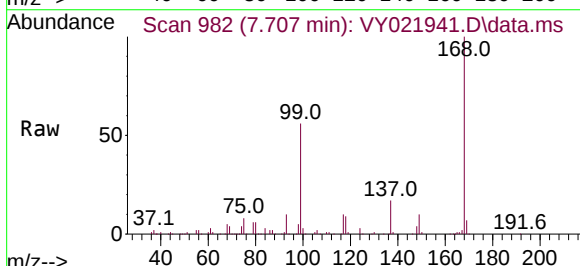
Tgt Ion: 117 Resp: 22044

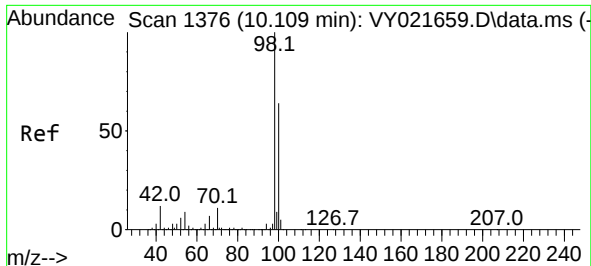
Ion Ratio Lower Upper

117 100

119 5.2 76.2 114.4#

121 0.0 24.2 36.4#

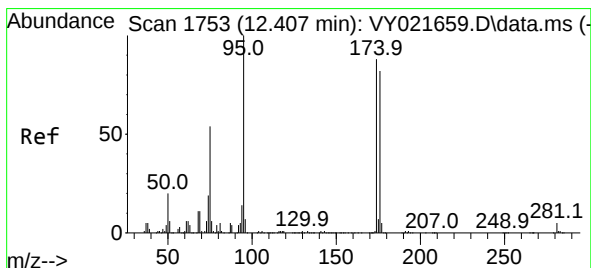
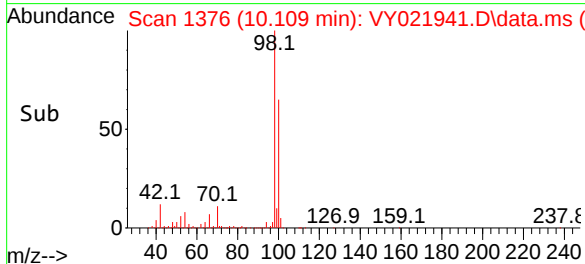
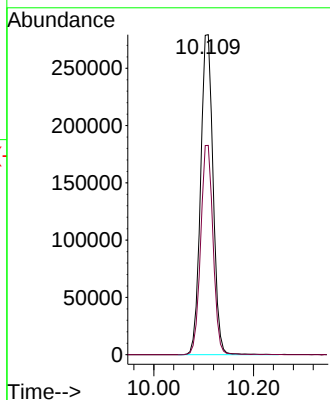
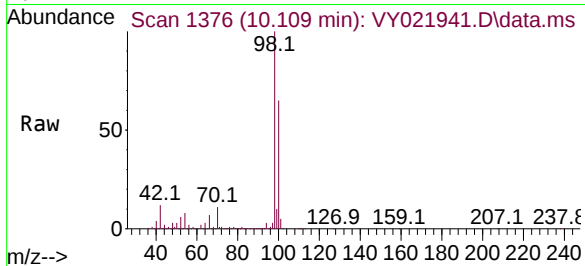




#50
Toluene-d8
Concen: 48.384 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021941.D
Acq: 21 Apr 2025 12:23

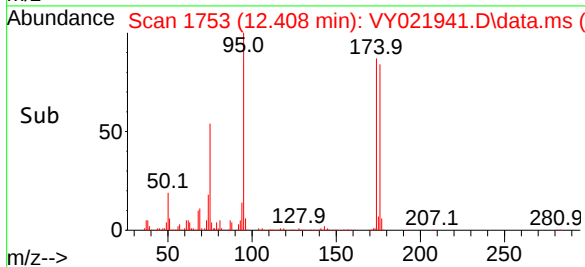
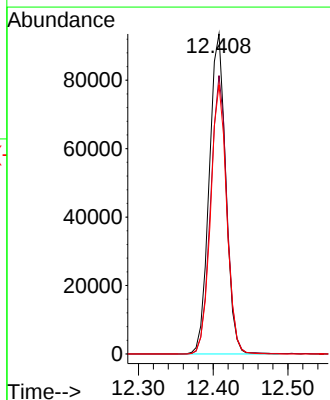
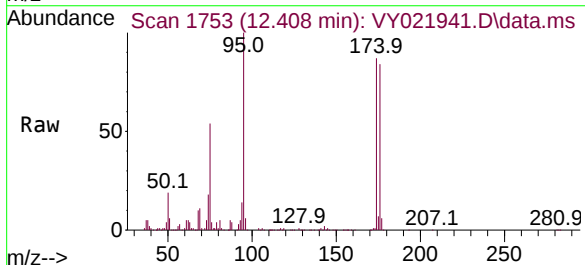
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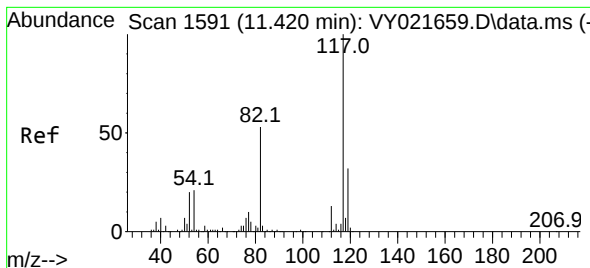
Tgt Ion: 98 Resp: 485244
Ion Ratio Lower Upper
98 100
100 64.8 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 42.432 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021941.D
Acq: 21 Apr 2025 12:23

Tgt Ion: 95 Resp: 143942
Ion Ratio Lower Upper
95 100
174 85.5 0.0 170.8
176 82.0 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: VY021941.D

Acq: 21 Apr 2025 12:23

Instrument :

MSVOA_Y

ClientSampleId :

PL-714-VOC-08

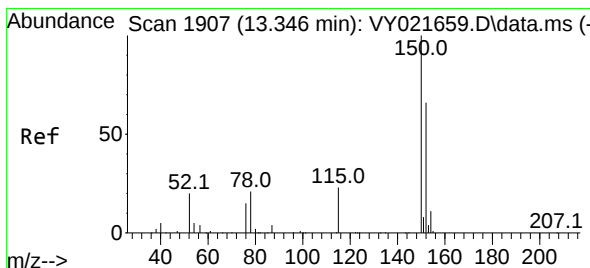
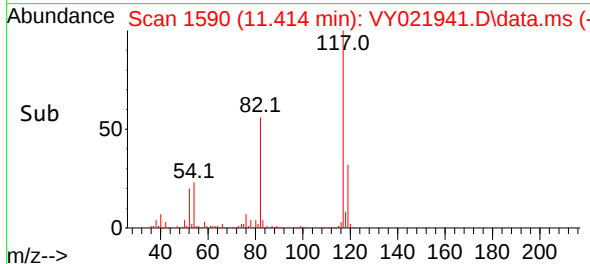
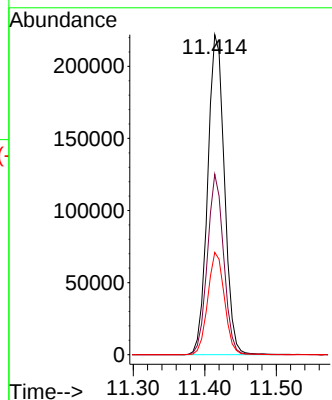
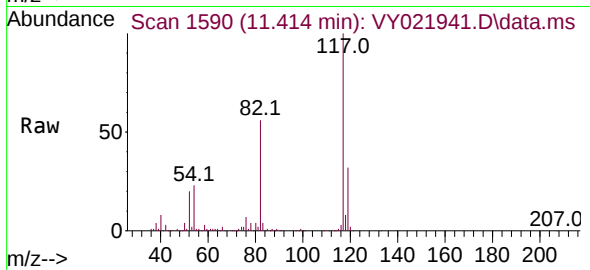
Tgt Ion:117 Resp: 360712

Ion Ratio Lower Upper

117 100

82 56.4 42.8 64.2

119 32.0 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: VY021941.D

Acq: 21 Apr 2025 12:23

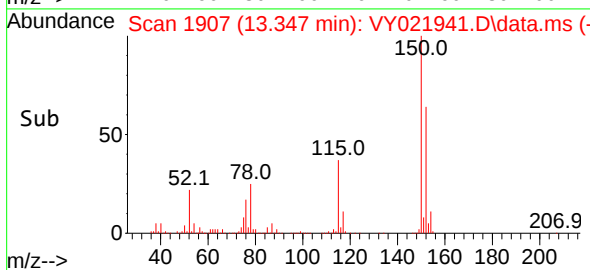
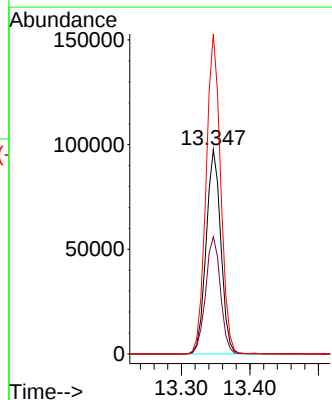
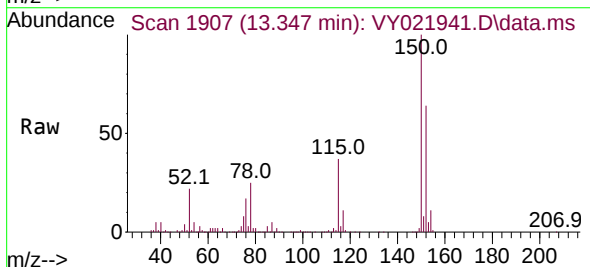
Tgt Ion:152 Resp: 145254

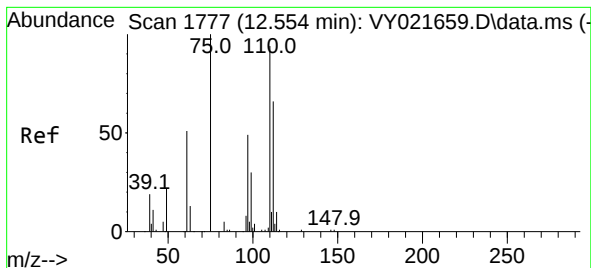
Ion Ratio Lower Upper

152 100

115 58.0 28.8 86.5

150 155.5 0.0 348.4





#76

1,2,3-Trichloropropane

Concen: 53.106 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY021941.D

Acq: 21 Apr 2025 12:23

Instrument :

MSVOA_Y

ClientSampleId :

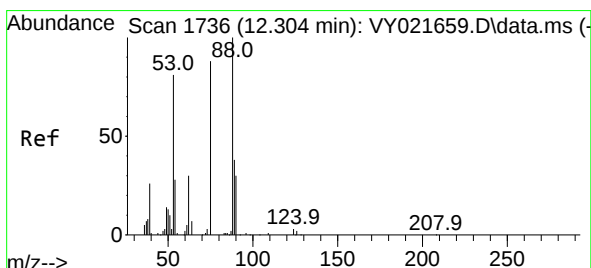
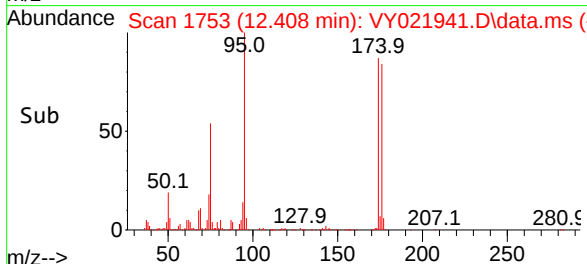
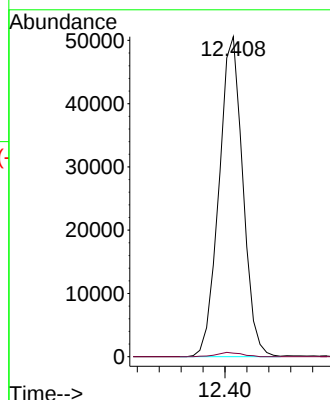
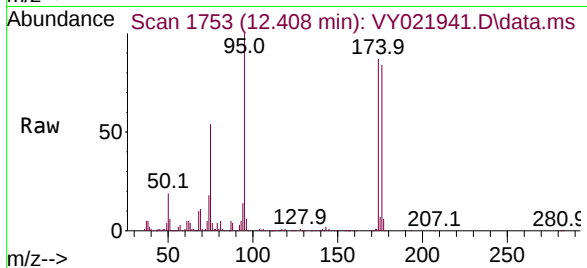
PL-714-VOC-08

Tgt Ion: 75 Resp: 76464

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 122.365 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.104 min

Lab File: VY021941.D

Acq: 21 Apr 2025 12:23

Tgt Ion: 75 Resp: 76464

Ion Ratio Lower Upper

75 100

53 0.2 76.1 114.1#

89 0.0 36.2 54.4#

