

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031225\
 Data File : VY021507.D
 Acq On : 12 Mar 2025 14:23
 Operator : SY/MD
 Sample : Q1524-02
 Misc : 5.06g/5.3mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-241

Quant Time: Mar 13 01:37:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

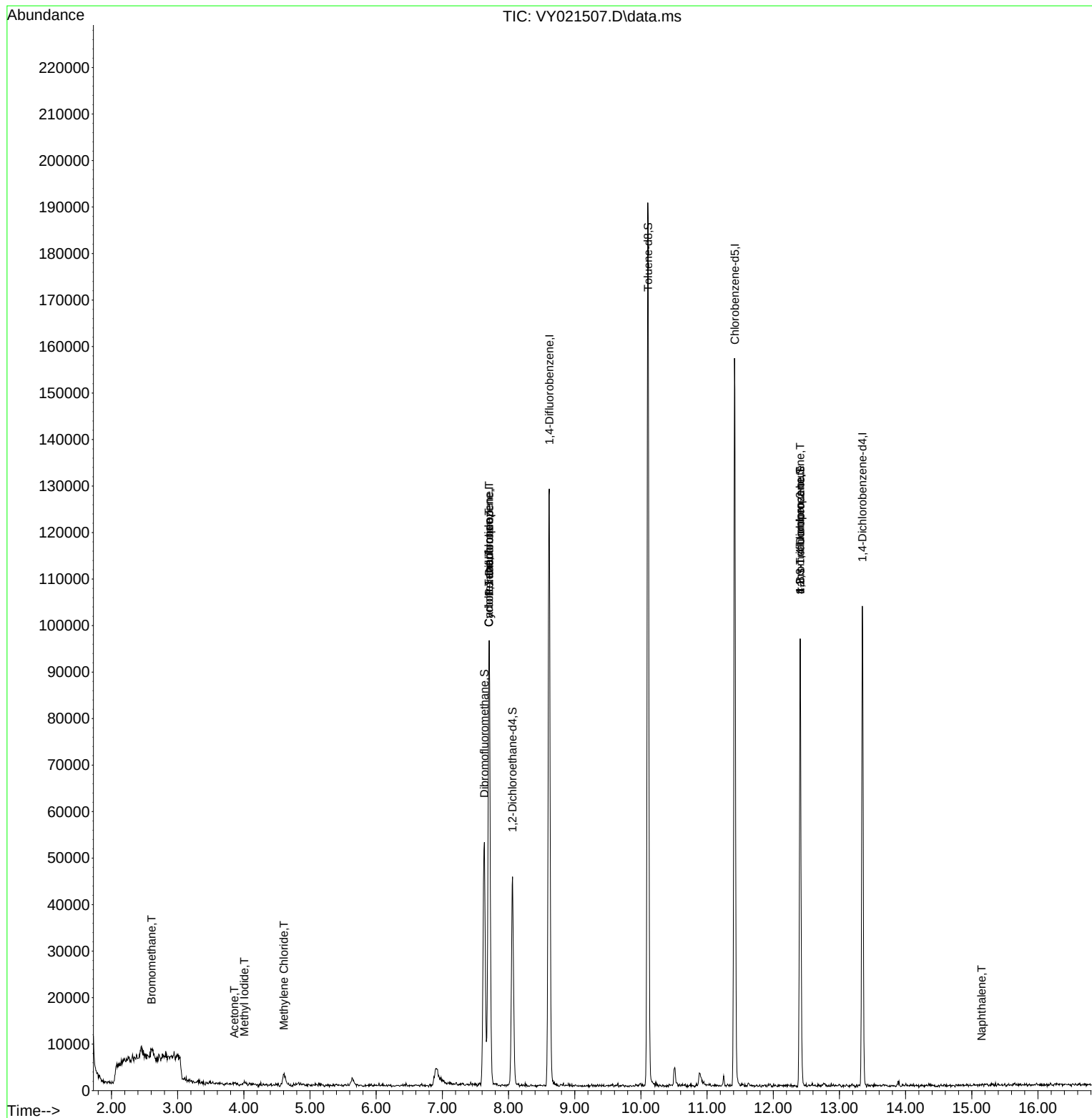
Internal Standards						
1) Pentafluorobenzene	7.707	168	71751	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	106829	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	82149	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	26225	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	35355	46.620	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.240%
35) Dibromofluoromethane	7.634	113	36207	51.562	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.120%
50) Toluene-d8	10.109	98	123497	46.449	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.900%
62) 4-Bromofluorobenzene	12.408	95	27637	30.558	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	61.120%
Target Compounds						
					Qvalue	
5) Bromomethane	2.605	94	1003	1.368	ug/l #	78
10) Methyl Iodide	4.007	142	879	1.070	ug/l #	88
11) Tert butyl alcohol	4.866	59	141	Below Cal	#	91
16) Acetone	3.854	43	620	3.748	ug/l #	88
20) Methylene Chloride	4.604	84	1843	2.123	ug/l #	78
31) Cyclohexane	7.701	56	1747	1.230	ug/l #	33
36) 1,1-Dichloropropene	7.707	75	6624	6.026	ug/l #	51
38) Carbon Tetrachloride	7.701	117	7707	6.097	ug/l #	15
76) 1,2,3-Trichloropropane	12.408	75	15244	57.684	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	15244	131.135	ug/l #	10
95) Naphthalene	15.151	128	168	1.685	ug/l #	69

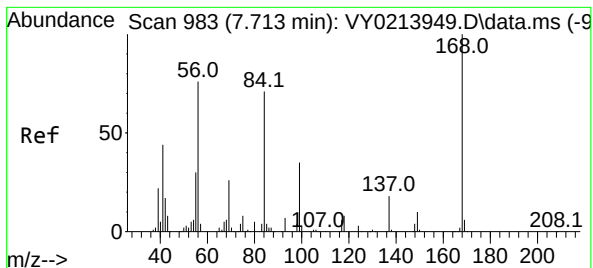
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031225\
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Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 9

Delta R.T. -0.006 min

Lab File: VY021507.D

Acq: 12 Mar 2025 14:23

Instrument :

MSVOA_Y

ClientSampleId :

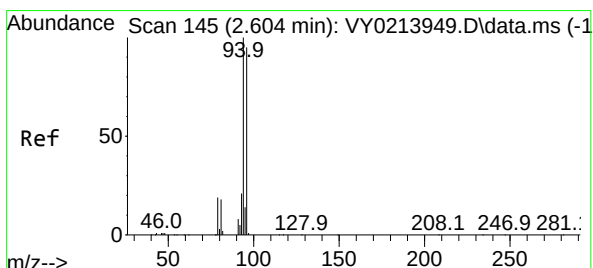
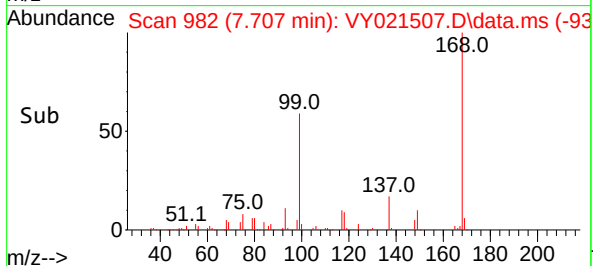
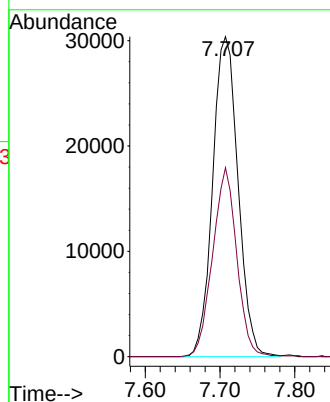
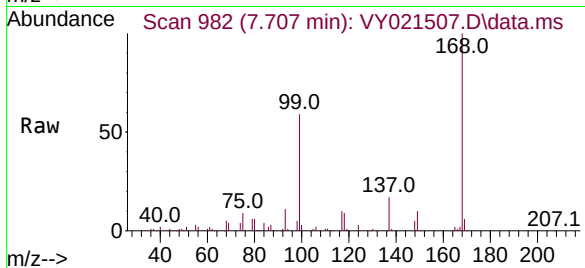
VNJ-241

Tgt Ion:168 Resp: 71751

Ion Ratio Lower Upper

168 100

99 59.1 46.0 69.0



#5

Bromomethane

Concen: 1.368 ug/l

RT: 2.605 min Scan# 145

Delta R.T. 0.000 min

Lab File: VY021507.D

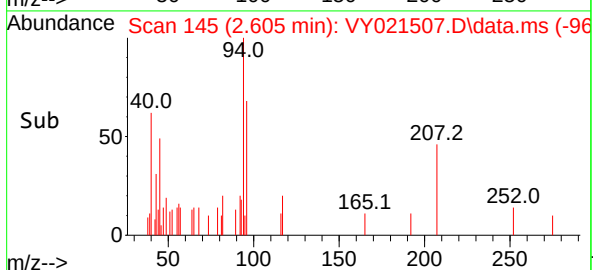
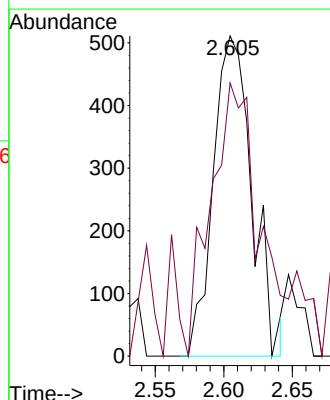
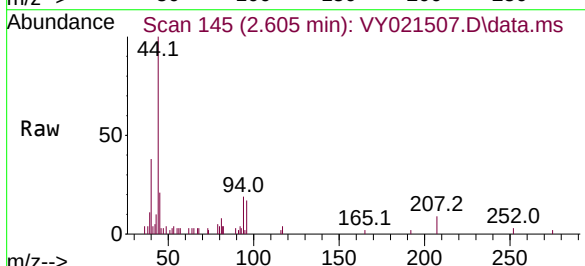
Acq: 12 Mar 2025 14:23

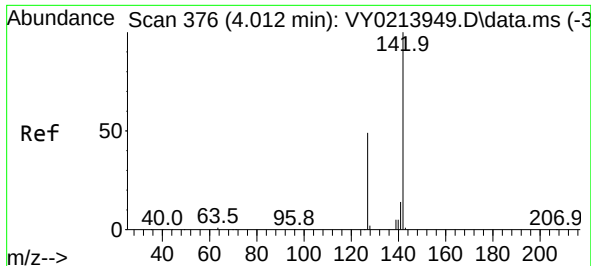
Tgt Ion: 94 Resp: 1003

Ion Ratio Lower Upper

94 100

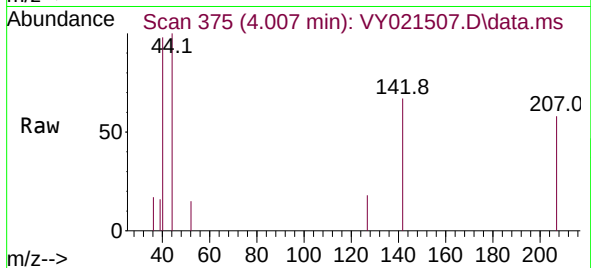
96 74.0 76.3 114.5#



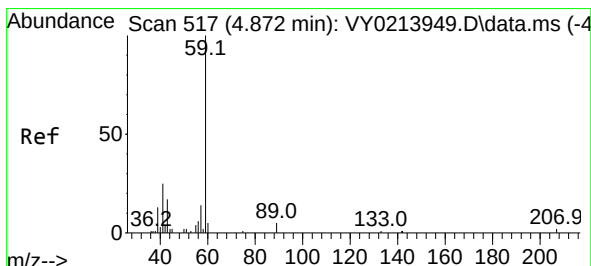
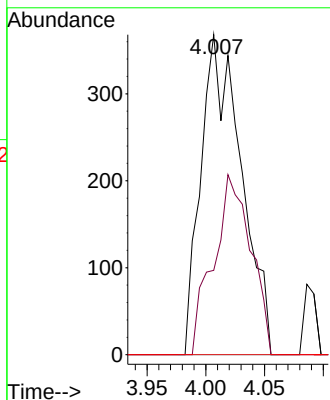
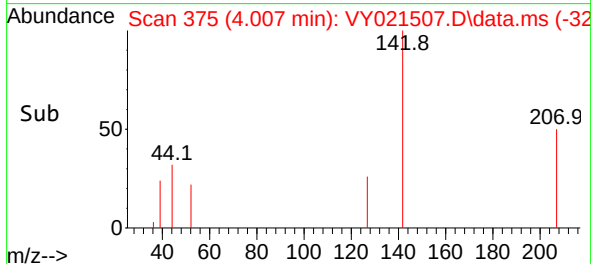


#10
Methyl Iodide
Concen: 1.070 ug/l
RT: 4.007 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY021507.D
Acq: 12 Mar 2025 14:23

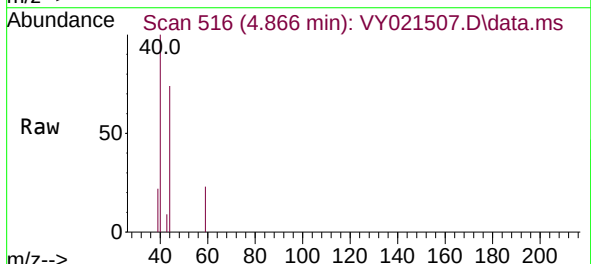
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-241



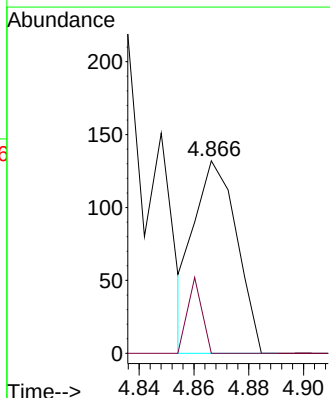
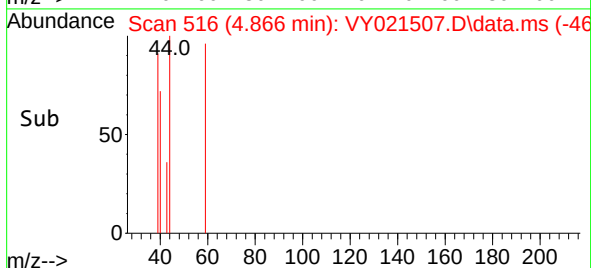
Tgt Ion:142 Resp: 879
Ion Ratio Lower Upper
142 100
127 52.3 39.1 58.7
141 0.0 11.8 17.6#

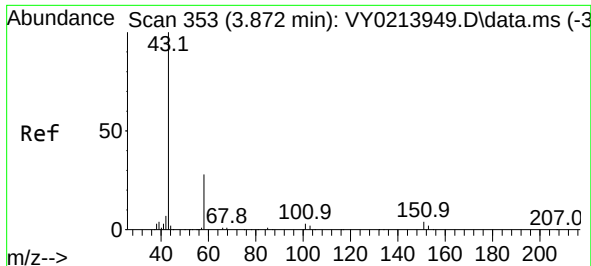


#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.866 min Scan# 516
Delta R.T. -0.006 min
Lab File: VY021507.D
Acq: 12 Mar 2025 14:23



Tgt Ion: 59 Resp: 141
Ion Ratio Lower Upper
59 100
57 13.5 8.2 12.4#

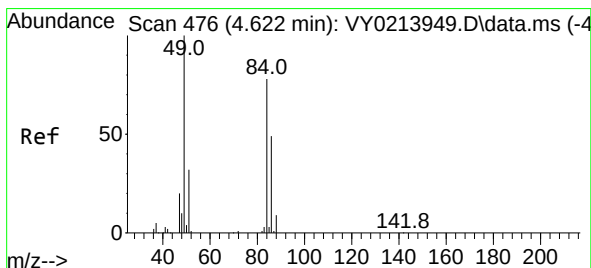
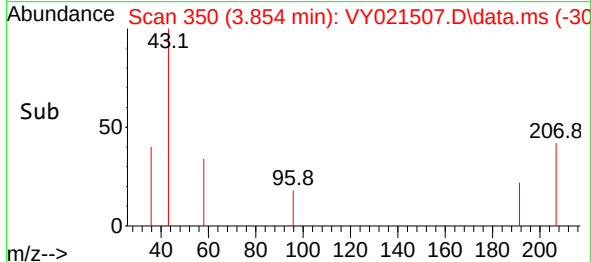
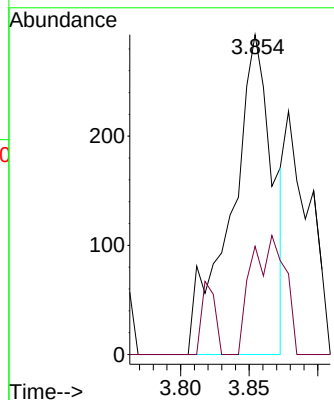
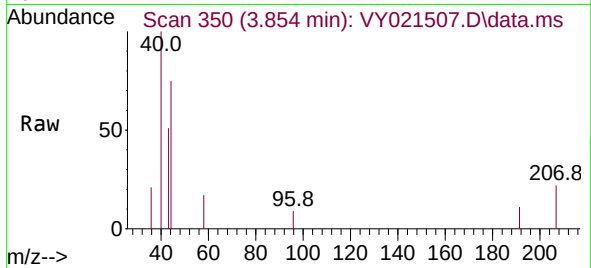




#16
Acetone
Concen: 3.748 ug/l
RT: 3.854 min Scan# 31
Delta R.T. -0.018 min
Lab File: VY021507.D
Acq: 12 Mar 2025 14:23

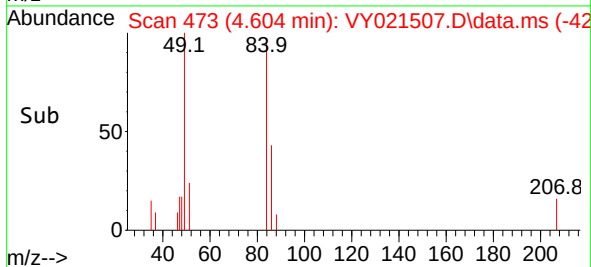
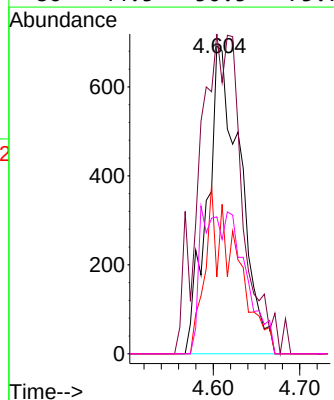
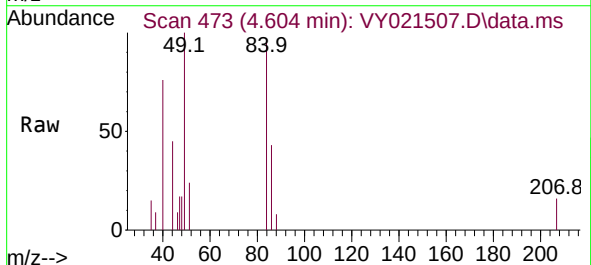
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-241

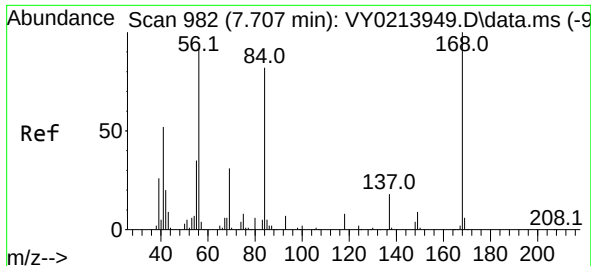
Tgt Ion: 43 Resp: 620
Ion Ratio Lower Upper
43 100
58 33.8 22.1 33.1#



#20
Methylene Chloride
Concen: 2.123 ug/l
RT: 4.604 min Scan# 473
Delta R.T. -0.018 min
Lab File: VY021507.D
Acq: 12 Mar 2025 14:23

Tgt Ion: 84 Resp: 1843
Ion Ratio Lower Upper
84 100
49 103.9 102.0 153.0
51 25.0 33.0 49.6#
86 44.5 50.5 75.7#

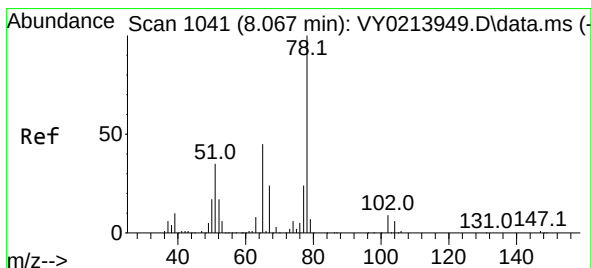
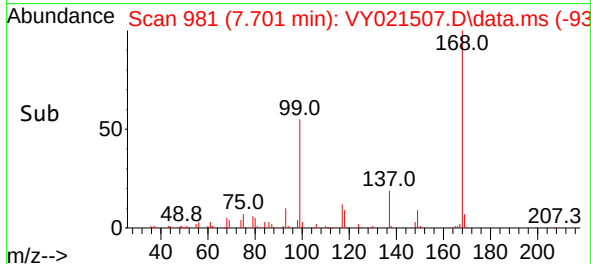
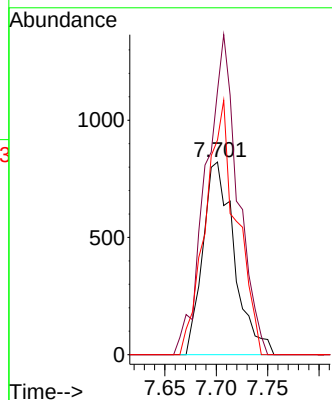
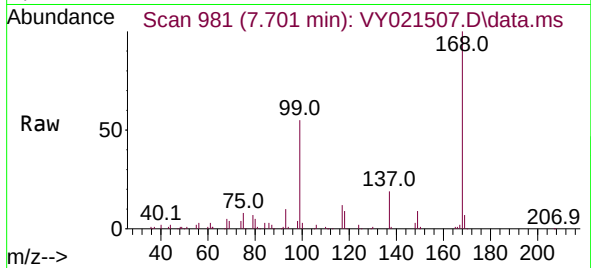




#31
Cyclohexane
Concen: 1.230 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021507.D
Acq: 12 Mar 2025 14:23

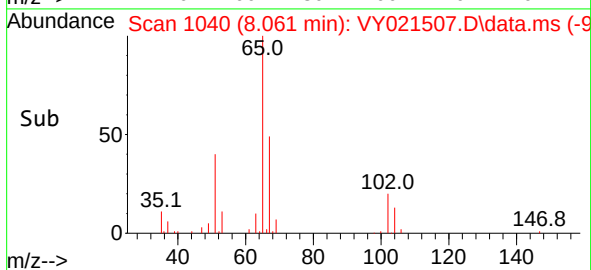
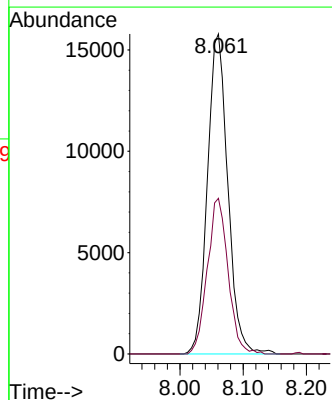
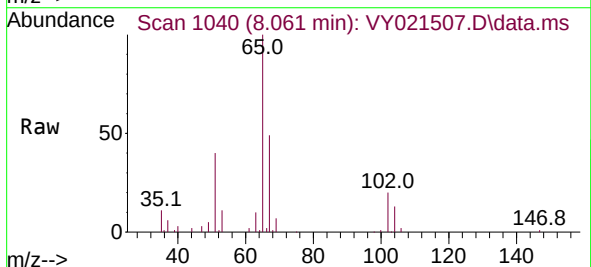
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-241

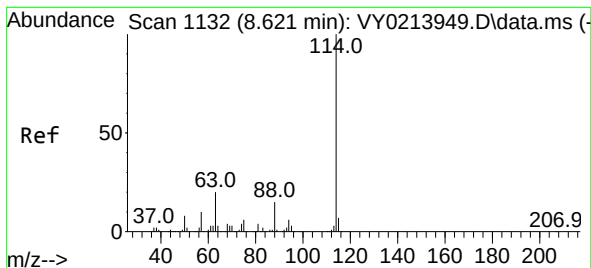
Tgt Ion: 56 Resp: 1747
Ion Ratio Lower Upper
56 100
69 136.9 27.0 40.4#
84 111.3 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 46.620 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021507.D
Acq: 12 Mar 2025 14:23

Tgt Ion: 65 Resp: 35355
Ion Ratio Lower Upper
65 100
67 49.5 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1132

Delta R.T. -0.006 min

Lab File: VY021507.D

Acq: 12 Mar 2025 14:23

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-241

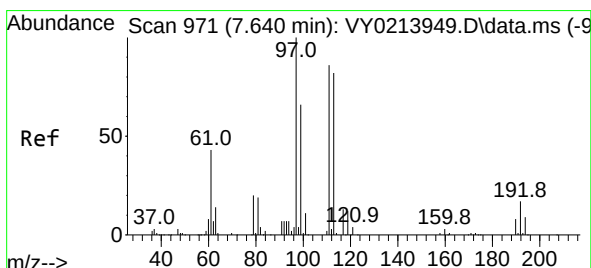
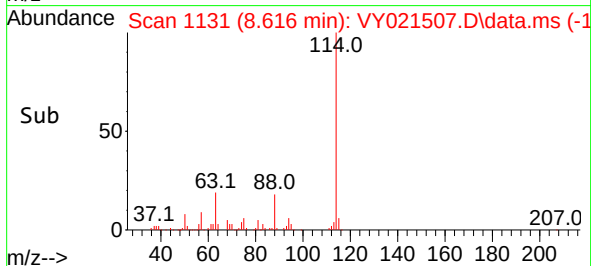
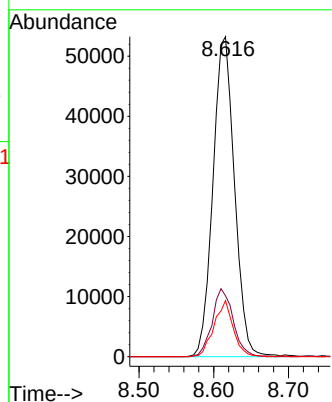
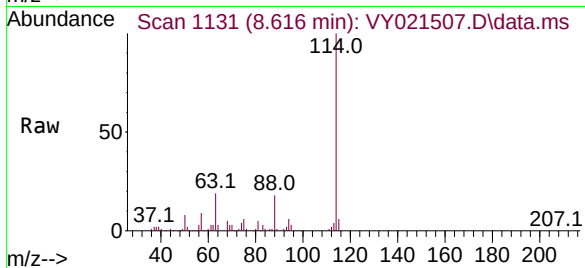
Tgt Ion:114 Resp: 106829

Ion Ratio Lower Upper

114 100

63 19.1 0.0 40.8

88 17.5 0.0 30.8



#35

Dibromofluoromethane

Concen: 51.562 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY021507.D

Acq: 12 Mar 2025 14:23

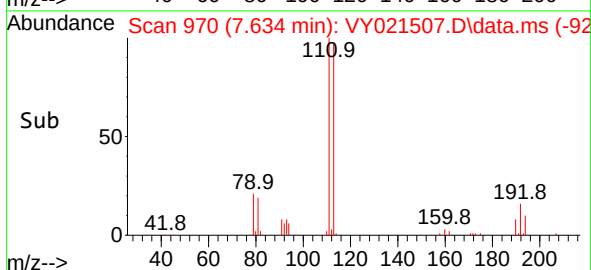
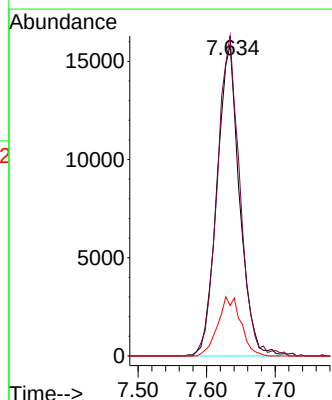
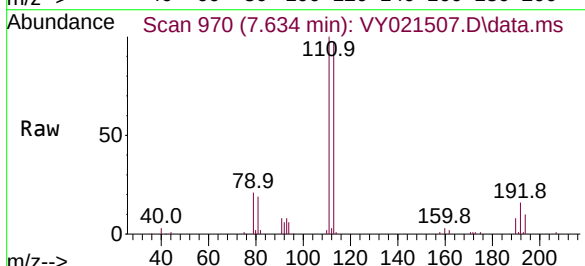
Tgt Ion:113 Resp: 36207

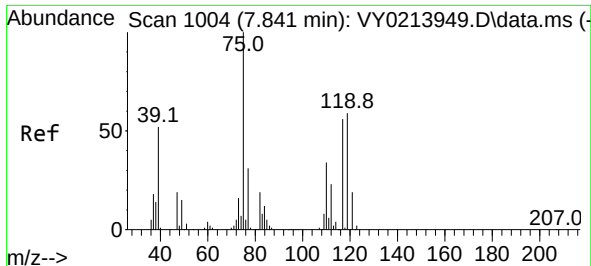
Ion Ratio Lower Upper

113 100

111 103.1 82.0 123.0

192 19.4 15.9 23.9

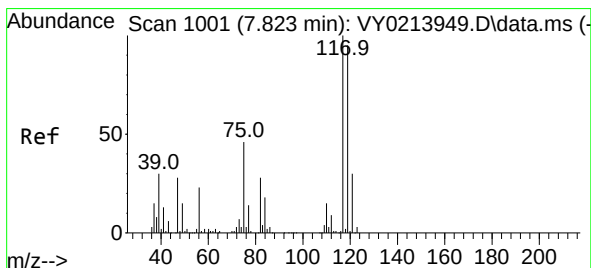
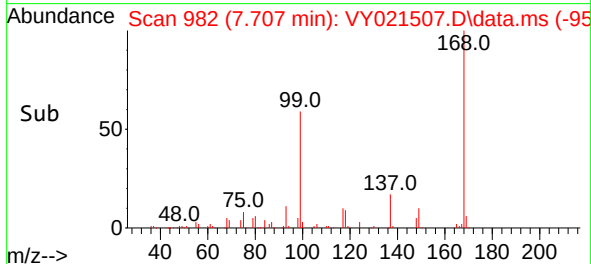
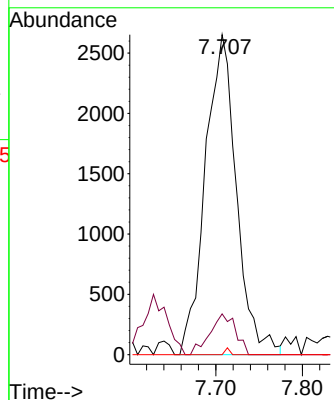
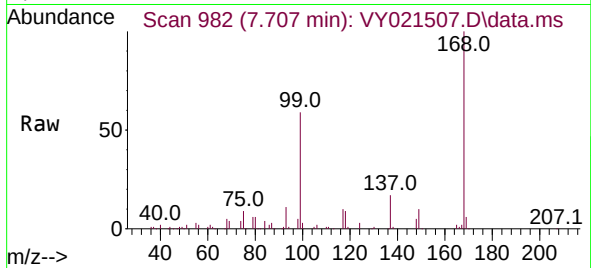




#36
 1,1-Dichloropropene
 Concen: 6.026 ug/l
 RT: 7.707 min Scan# 91
 Delta R.T. -0.134 min
 Lab File: VY021507.D
 Acq: 12 Mar 2025 14:23

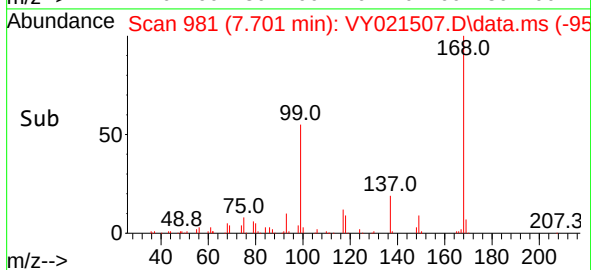
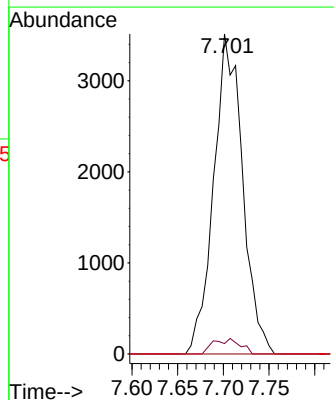
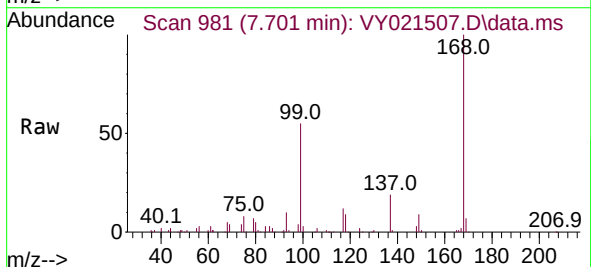
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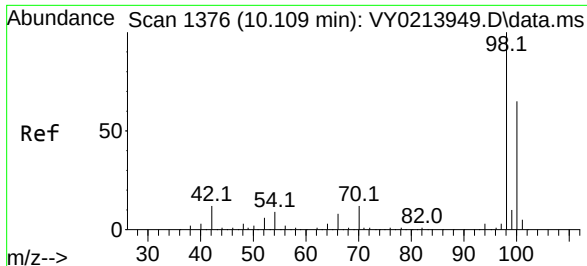
Tgt Ion: 75 Resp: 6624
 Ion Ratio Lower Upper
 75 100
 110 10.5 17.3 51.7#
 77 0.3 25.4 38.2#



#38
 Carbon Tetrachloride
 Concen: 6.097 ug/l
 RT: 7.701 min Scan# 981
 Delta R.T. -0.122 min
 Lab File: VY021507.D
 Acq: 12 Mar 2025 14:23

Tgt Ion: 117 Resp: 7707
 Ion Ratio Lower Upper
 117 100
 119 3.2 75.8 113.8#
 121 0.0 23.9 35.9#

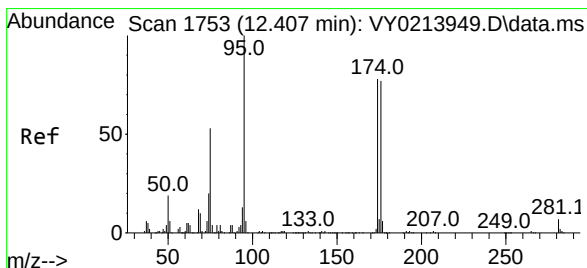
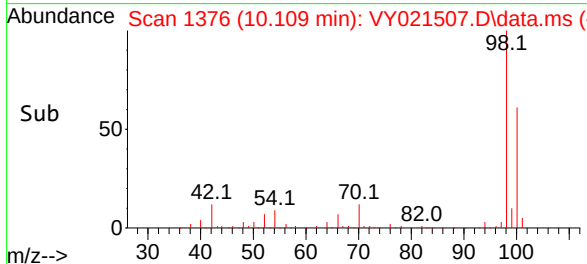
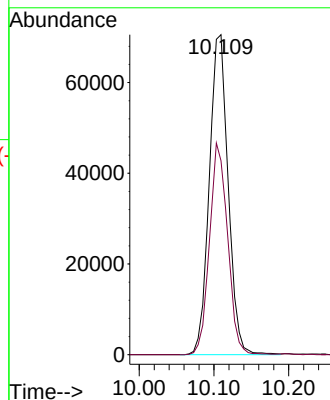
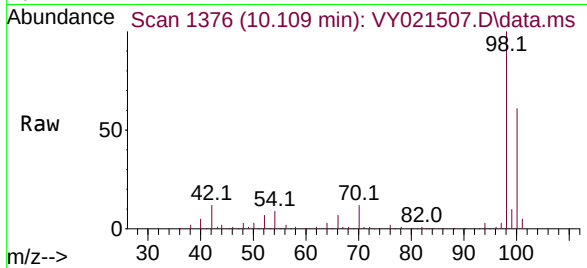




#50
Toluene-d8
Concen: 46.449 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021507.D
Acq: 12 Mar 2025 14:23

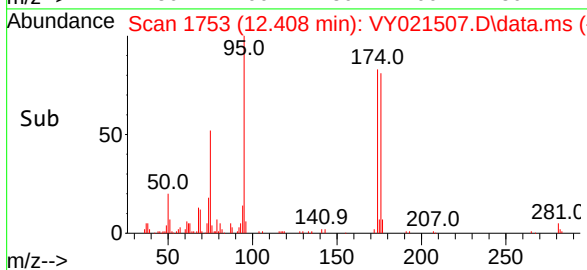
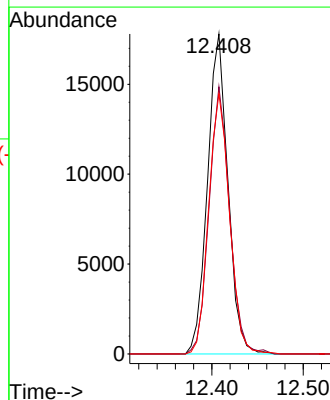
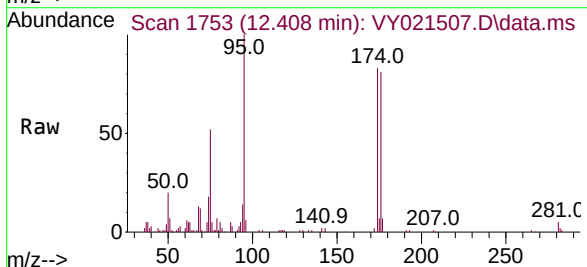
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-241

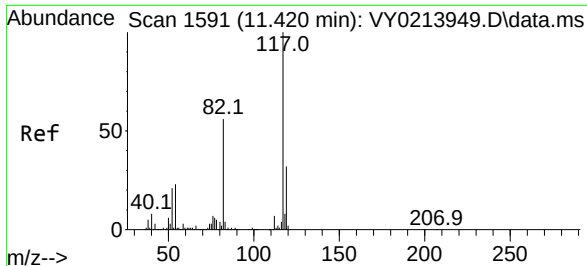
Tgt Ion: 98 Resp: 123497
Ion Ratio Lower Upper
98 100
100 63.5 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 30.558 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021507.D
Acq: 12 Mar 2025 14:23

Tgt Ion: 95 Resp: 27637
Ion Ratio Lower Upper
95 100
174 83.7 0.0 165.0
176 83.0 0.0 160.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021507.D

Acq: 12 Mar 2025 14:23

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-241

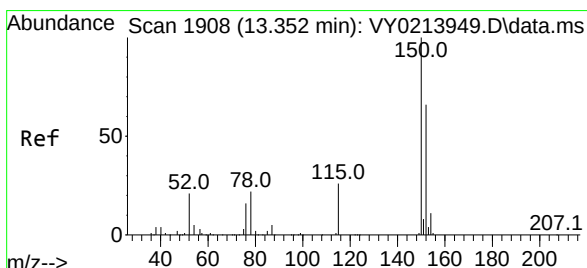
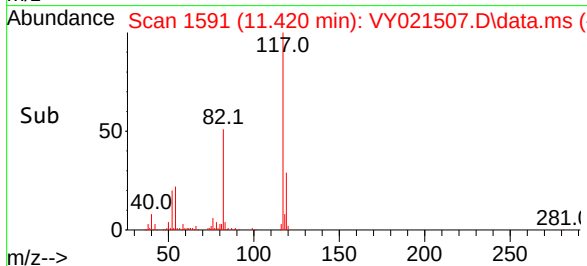
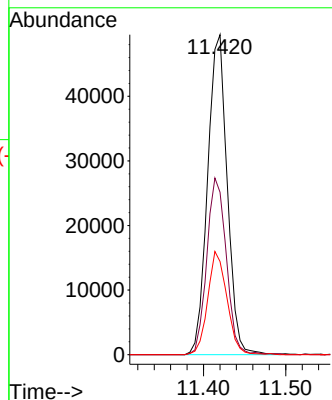
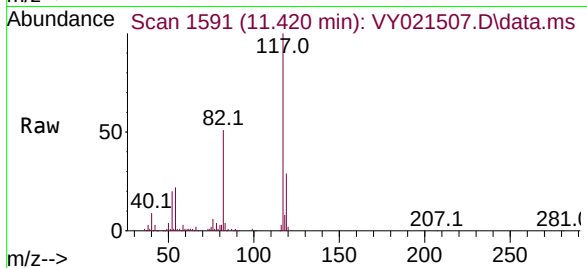
Tgt Ion:117 Resp: 82149

Ion Ratio Lower Upper

117 100

82 50.8 44.6 67.0

119 29.1 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY021507.D

Acq: 12 Mar 2025 14:23

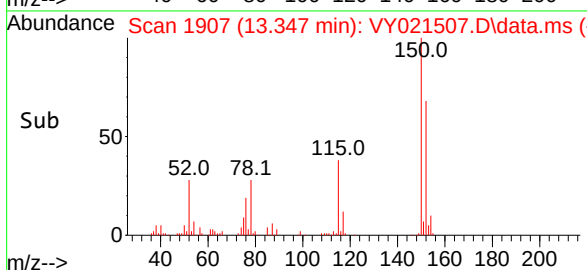
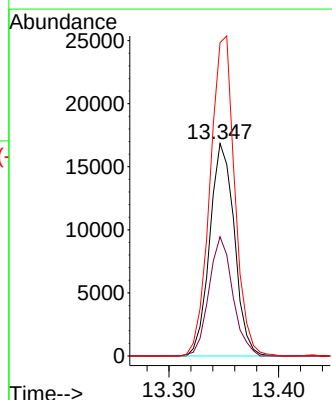
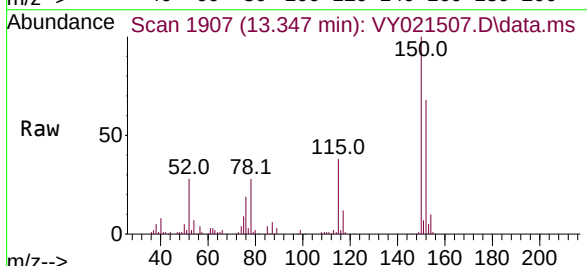
Tgt Ion:152 Resp: 26225

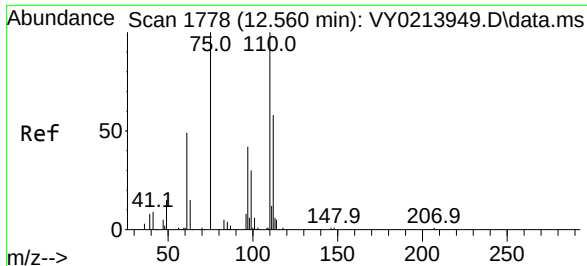
Ion Ratio Lower Upper

152 100

115 54.5 29.0 87.0

150 151.3 0.0 347.2

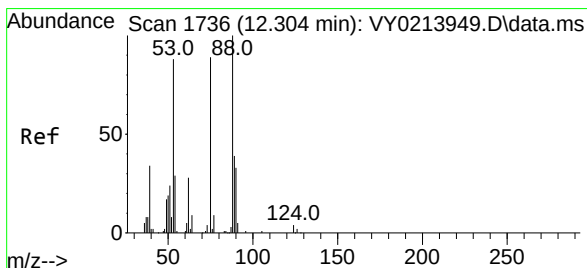
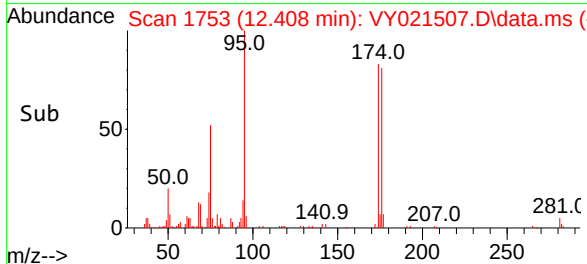
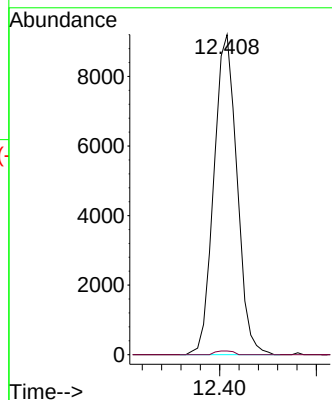
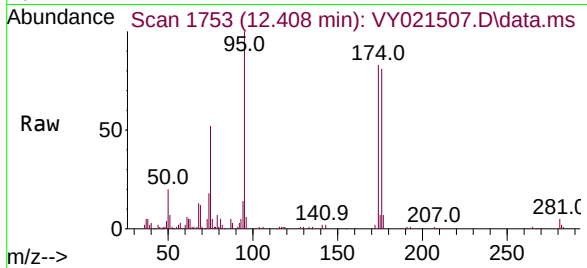




#76
 1,2,3-Trichloropropane
 Concen: 57.684 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY021507.D
 Acq: 12 Mar 2025 14:23

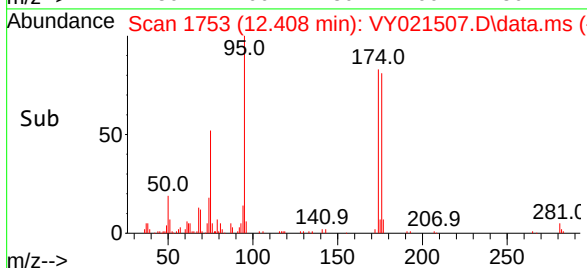
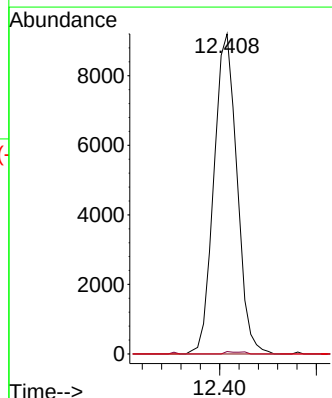
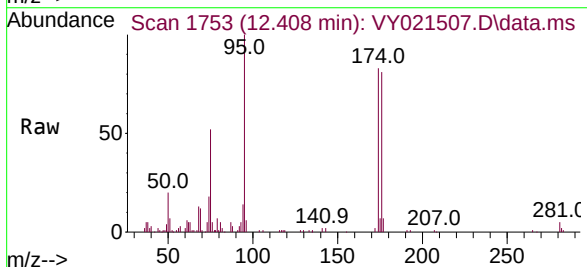
Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-241

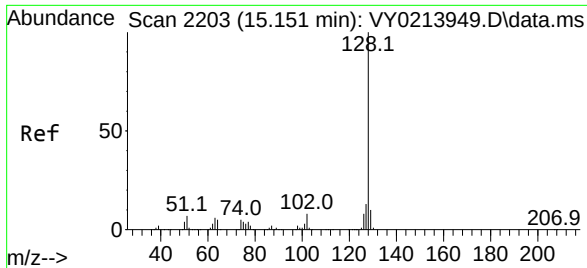
Tgt Ion: 75 Resp: 15244
 Ion Ratio Lower Upper
 75 100
 77 0.9 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 131.135 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. 0.104 min
 Lab File: VY021507.D
 Acq: 12 Mar 2025 14:23

Tgt Ion: 75 Resp: 15244
 Ion Ratio Lower Upper
 75 100
 53 0.6 81.0 121.4#
 89 0.0 36.9 55.3#





#95

Naphthalene

Concen: 1.685 ug/l

RT: 15.151 min Scan# 21

Delta R.T. 0.000 min

Lab File: VY021507.D

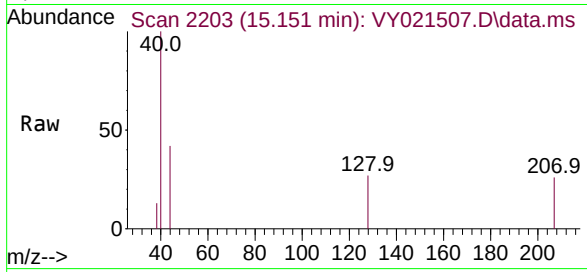
Acq: 12 Mar 2025 14:23

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-241



Tgt Ion:128 Resp: 168

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 8.6 13.0#

