

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
 Data File : VY021315.D
 Acq On : 25 Feb 2025 16:24
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Feb 26 02:23:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 26 02:09:13 2025
 Response via : Initial Calibration

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

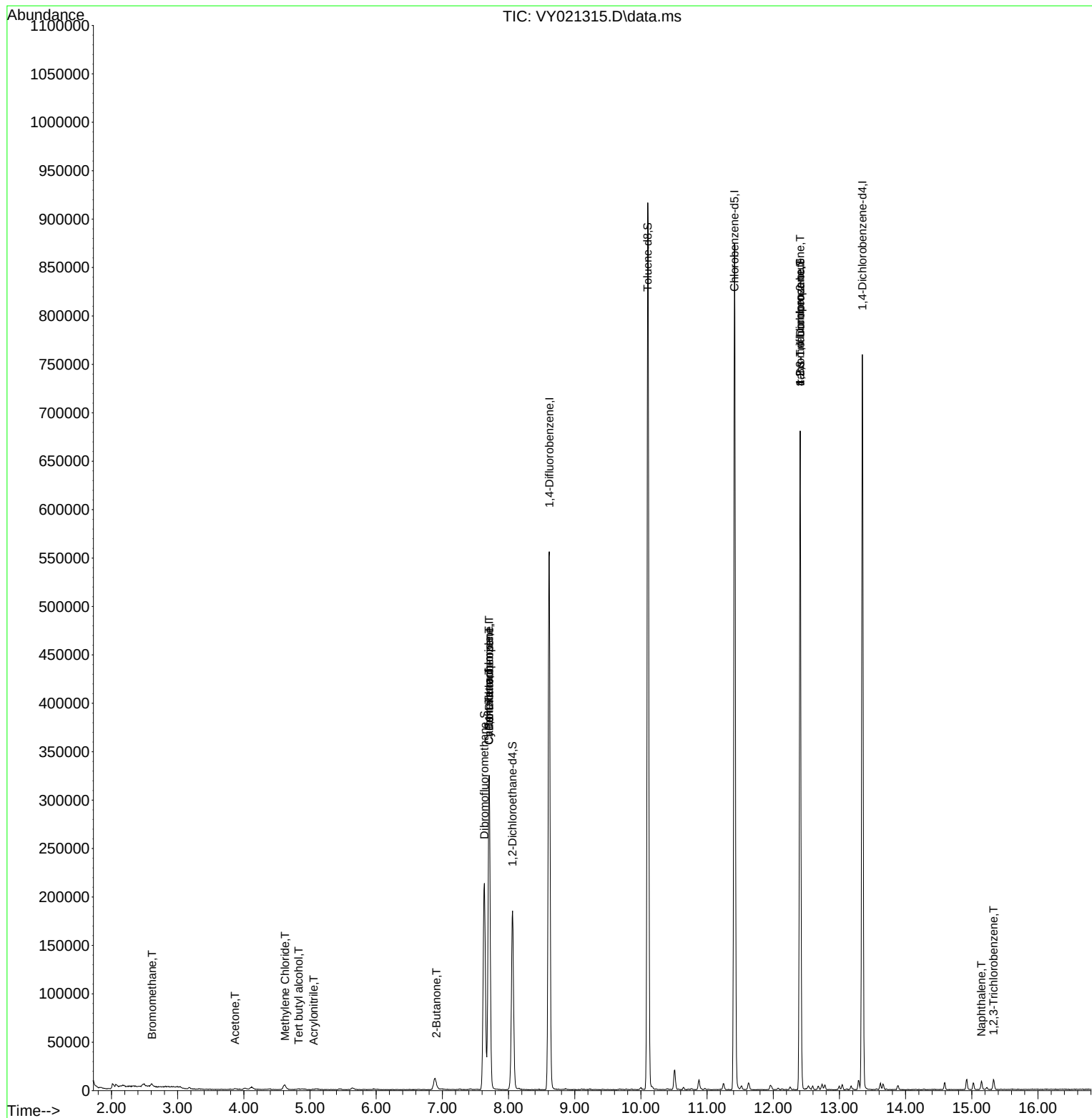
Internal Standards						
1) Pentafluorobenzene	7.707	168	245753	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	467381	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	448191	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	185205	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	144150	51.707	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.420%	
35) Dibromofluoromethane	7.634	113	151449	49.425	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.860%	
50) Toluene-d8	10.103	98	579939	48.972	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.940%	
62) 4-Bromofluorobenzene	12.408	95	198786	49.878	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 99.760%	
Target Compounds						
						Qvalue
5) Bromomethane	2.611	94	1984	1.011	ug/l	100
11) Tert butyl alcohol	4.830	59	232	1.082	ug/l #	72
15) Acrylonitrile	5.055	53	716	1.210	ug/l #	50
16) Acetone	3.866	43	1360	2.543	ug/l #	87
20) Methylene Chloride	4.622	84	3261	1.128	ug/l #	80
25) 2-Butanone	6.909	43	1309	1.622	ug/l #	83
31) Cyclohexane	7.701	56	5918	1.204	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	20269	4.404	ug/l #	51
38) Carbon Tetrachloride	7.701	117	24457	4.726	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	110278	59.487	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	110278	132.219	ug/l #	10
95) Naphthalene	15.145	128	6427	1.133	ug/l	98
96) 1,2,3-Trichlorobenzene	15.328	180	3217	1.111	ug/l	88

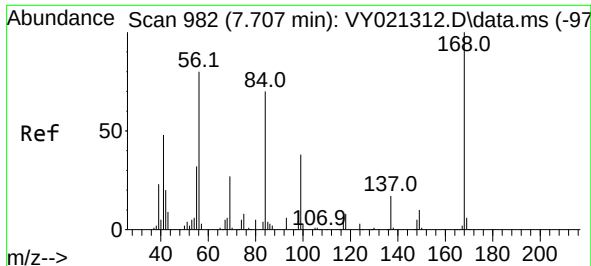
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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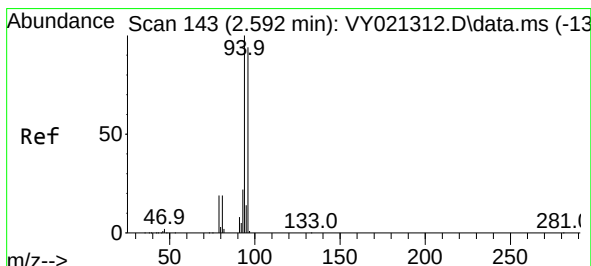
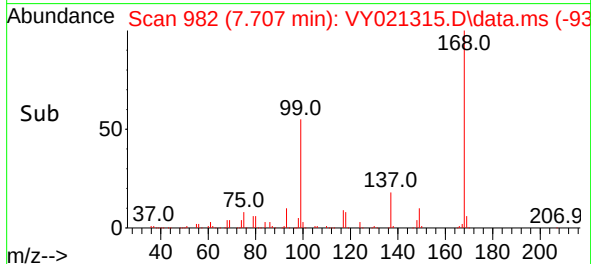
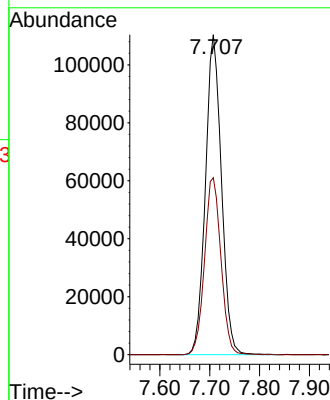
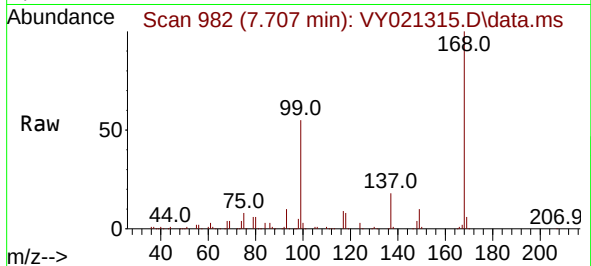




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021315.D
Acq: 25 Feb 2025 16:24

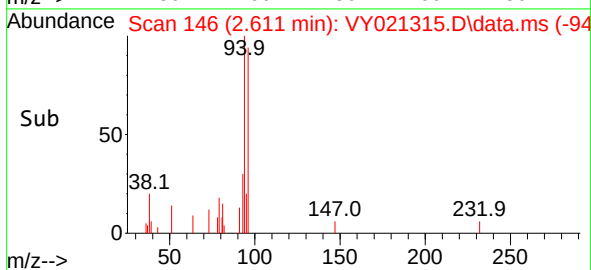
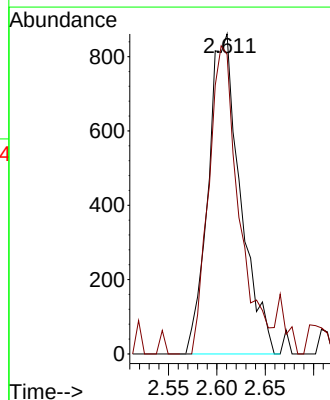
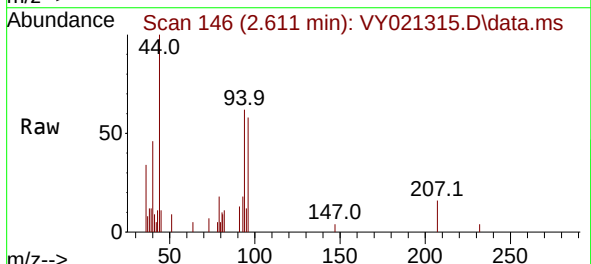
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

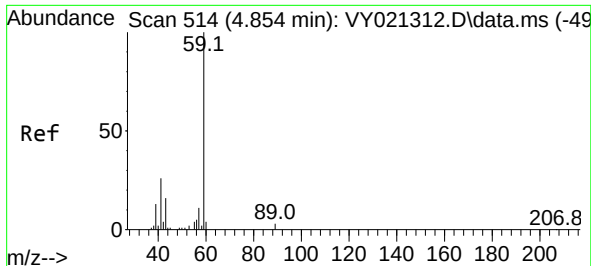
Tgt Ion:168 Resp: 245753
Ion Ratio Lower Upper
168 100
99 55.3 47.1 70.7



#5
Bromomethane
Concen: 1.011 ug/l
RT: 2.611 min Scan# 146
Delta R.T. 0.018 min
Lab File: VY021315.D
Acq: 25 Feb 2025 16:24

Tgt Ion: 94 Resp: 1984
Ion Ratio Lower Upper
94 100
96 93.6 75.2 112.8





#11

Tert butyl alcohol

Concen: 1.082 ug/l

RT: 4.830 min Scan# 514

Delta R.T. -0.024 min

Lab File: VY021315.D

Acq: 25 Feb 2025 16:24

Instrument :

MSVOA_Y

ClientSampleId :

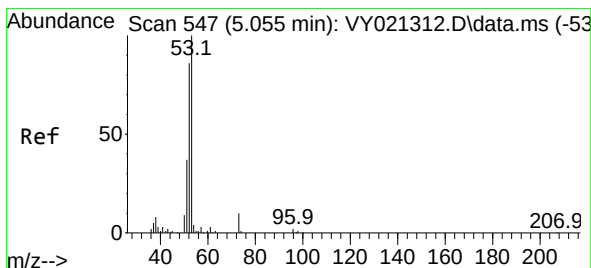
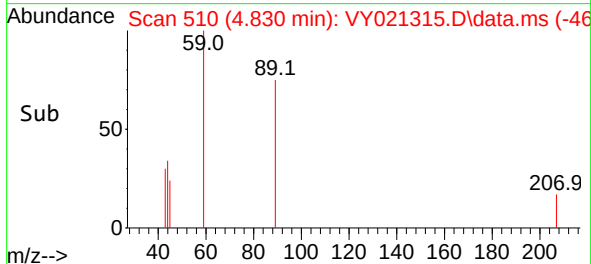
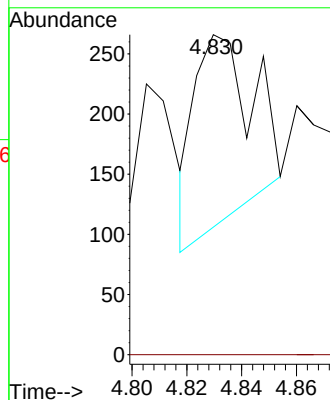
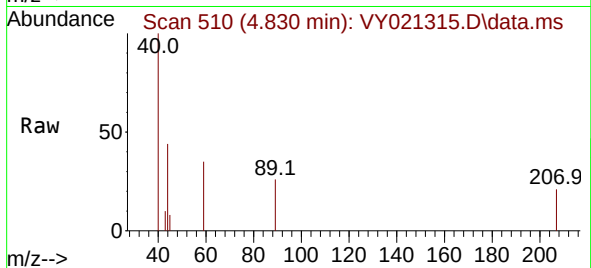
VIBLK

Tgt Ion: 59 Resp: 232

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#15

Acrylonitrile

Concen: 1.210 ug/l

RT: 5.055 min Scan# 547

Delta R.T. 0.000 min

Lab File: VY021315.D

Acq: 25 Feb 2025 16:24

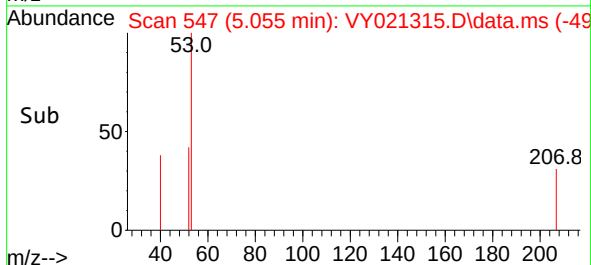
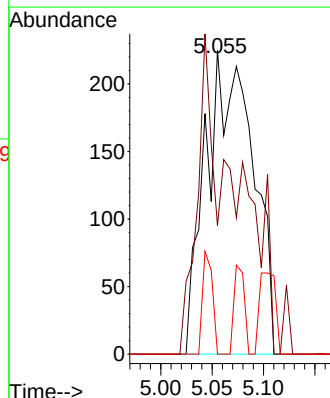
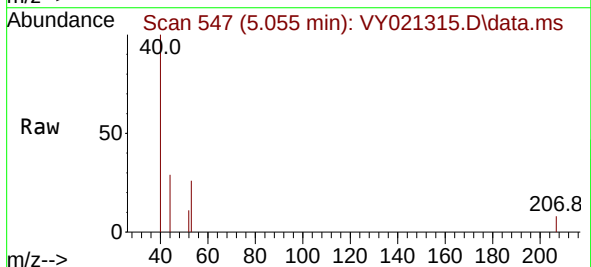
Tgt Ion: 53 Resp: 716

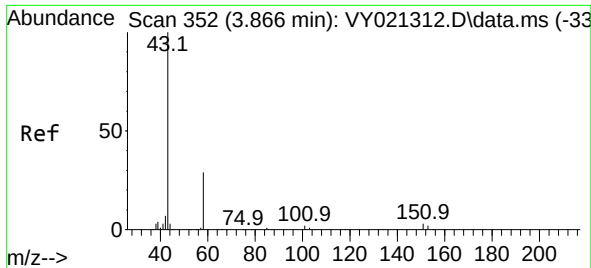
Ion Ratio Lower Upper

53 100

52 37.3 65.5 98.3#

51 7.0 30.6 46.0#





#16

Acetone

Concen: 2.543 ug/l

RT: 3.866 min Scan# 31

Delta R.T. 0.000 min

Lab File: VY021315.D

Acq: 25 Feb 2025 16:24

Instrument :

MSVOA_Y

ClientSampleId :

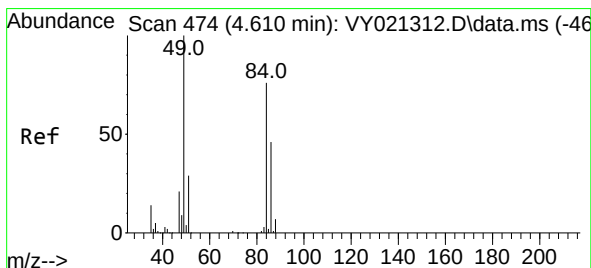
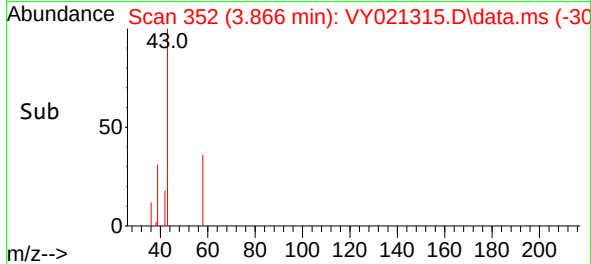
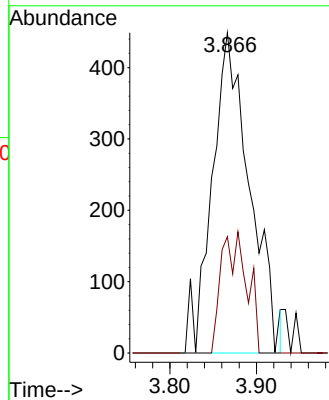
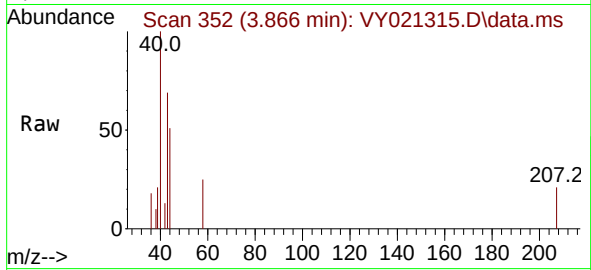
VIBLK

Tgt Ion: 43 Resp: 1360

Ion Ratio Lower Upper

43 100

58 36.3 23.5 35.3#



#20

Methylene Chloride

Concen: 1.128 ug/l

RT: 4.622 min Scan# 476

Delta R.T. 0.012 min

Lab File: VY021315.D

Acq: 25 Feb 2025 16:24

Tgt Ion: 84 Resp: 3261

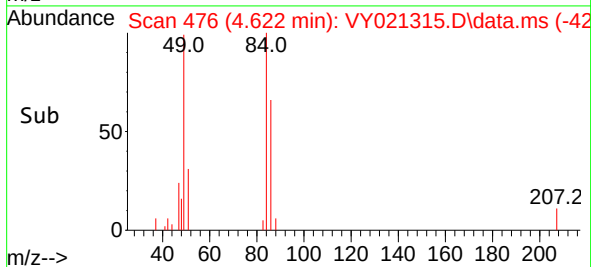
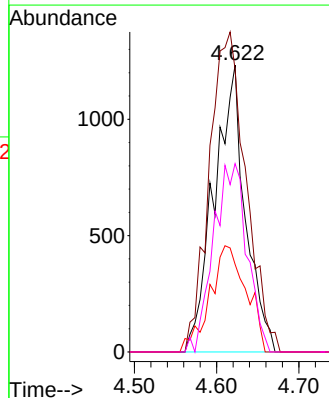
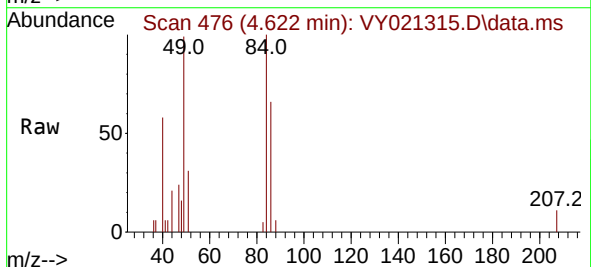
Ion Ratio Lower Upper

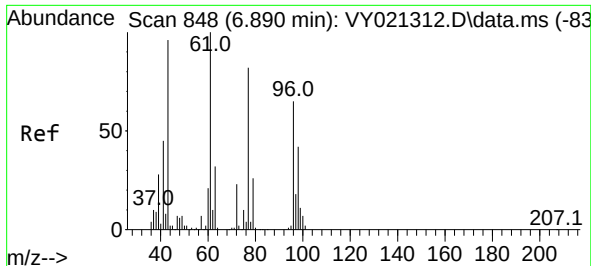
84 100

49 98.5 105.1 157.7#

51 30.6 31.0 46.4#

86 65.6 48.2 72.4

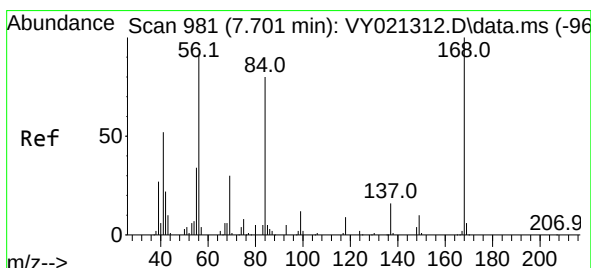
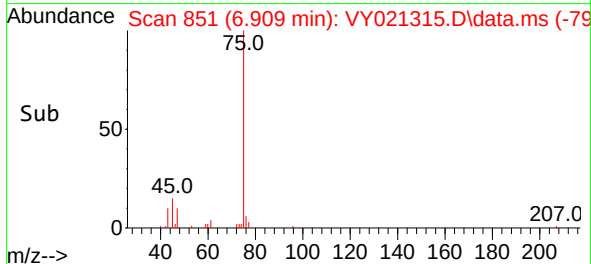
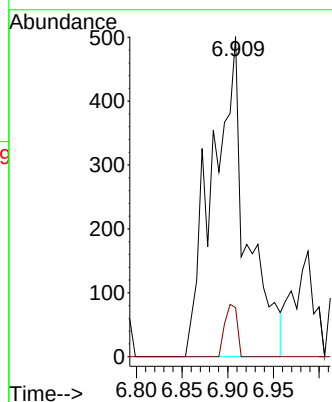
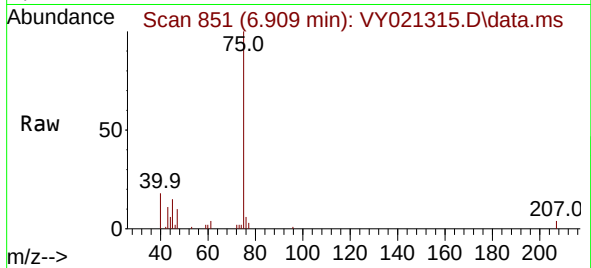




#25
2-Butanone
Concen: 1.622 ug/l
RT: 6.909 min Scan# 848
Delta R.T. 0.018 min
Lab File: VY021315.D
Acq: 25 Feb 2025 16:24

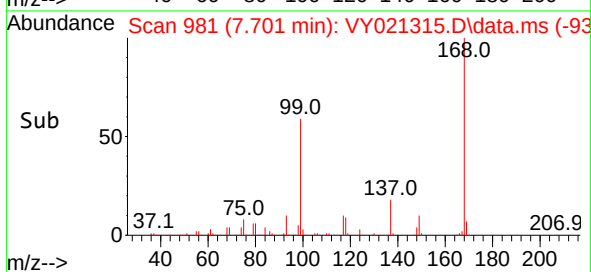
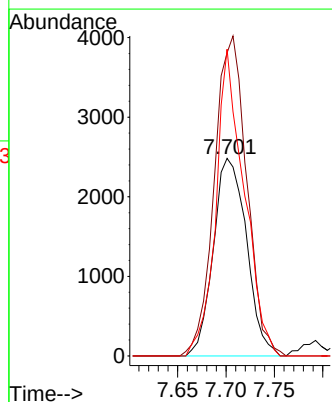
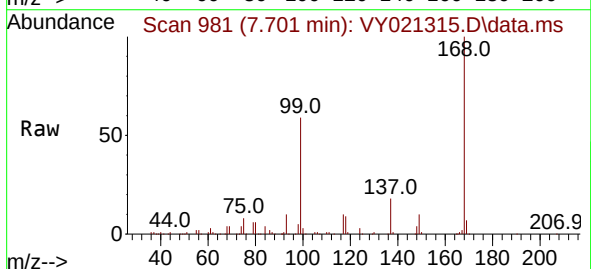
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

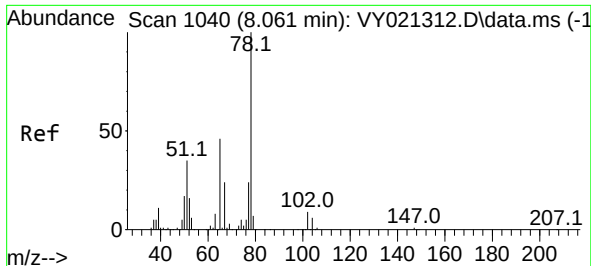
Tgt Ion: 43 Resp: 1309
Ion Ratio Lower Upper
43 100
72 15.4 19.0 28.6#



#31
Cyclohexane
Concen: 1.204 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY021315.D
Acq: 25 Feb 2025 16:24

Tgt Ion: 56 Resp: 5918
Ion Ratio Lower Upper
56 100
69 153.4 26.2 39.4#
84 155.3 70.2 105.4#





#33

1,2-Dichloroethane-d4

Concen: 51.707 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY021315.D

Acq: 25 Feb 2025 16:24

Instrument :

MSVOA_Y

ClientSampleId :

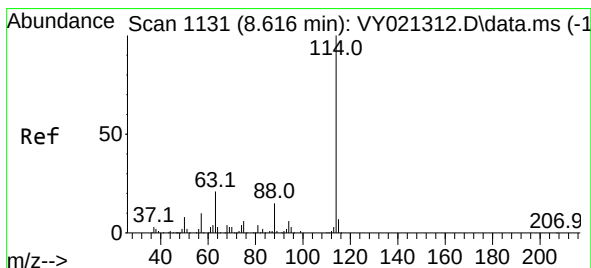
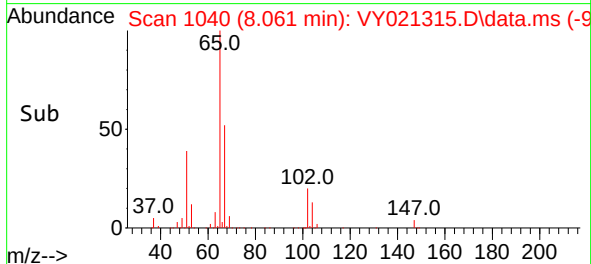
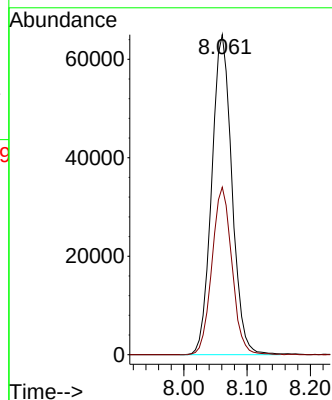
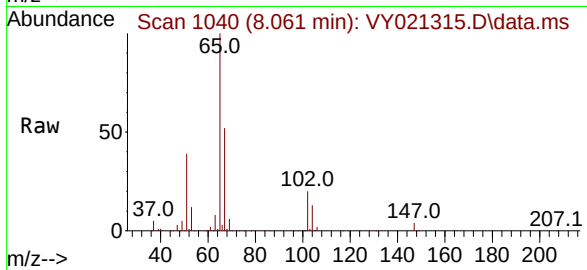
VIBLK

Tgt Ion: 65 Resp: 144150

Ion Ratio Lower Upper

65 100

67 51.6 0.0 103.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021315.D

Acq: 25 Feb 2025 16:24

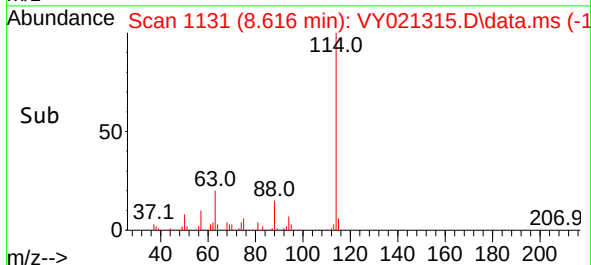
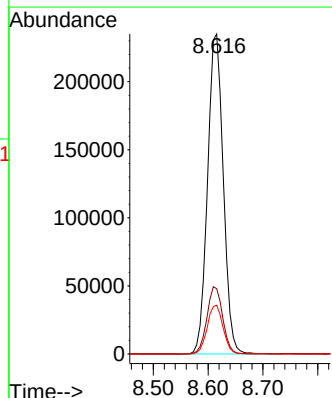
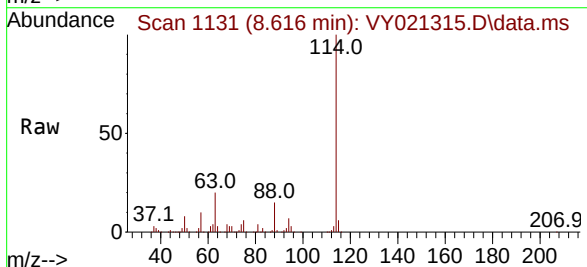
Tgt Ion: 114 Resp: 467381

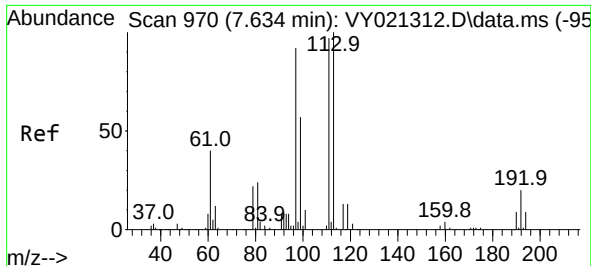
Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.2

88 15.2 0.0 29.8

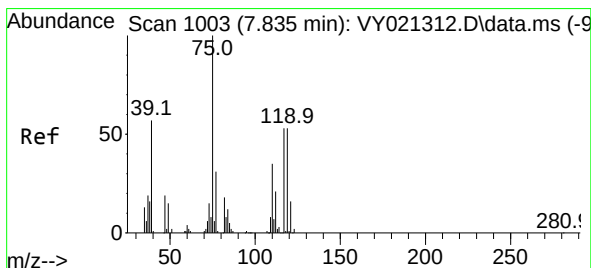
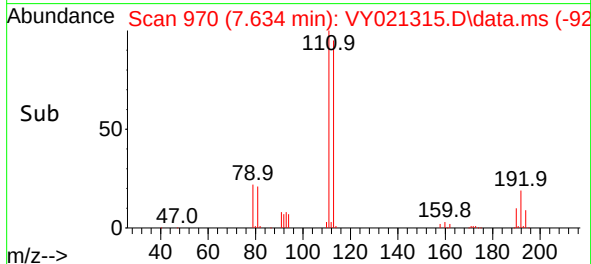
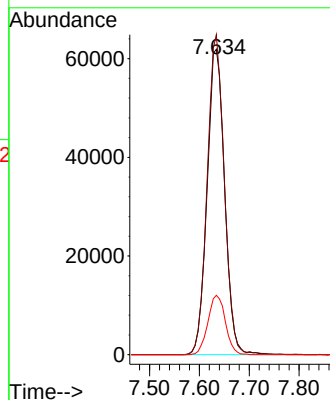
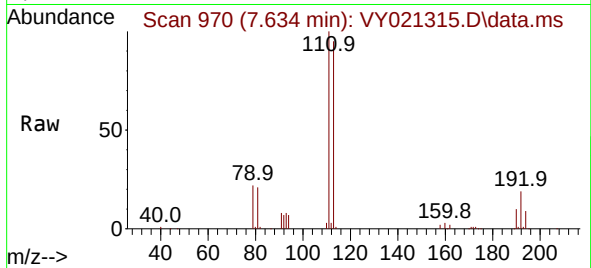




#35
Dibromofluoromethane
Concen: 49.425 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021315.D
Acq: 25 Feb 2025 16:24

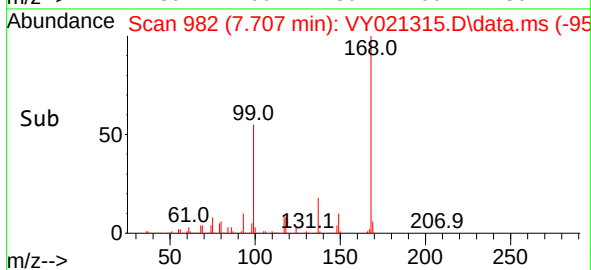
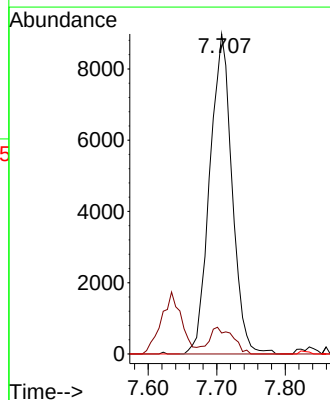
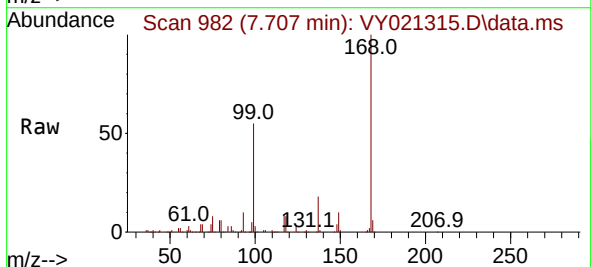
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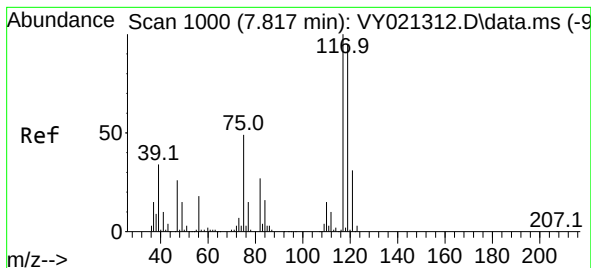
Tgt Ion:113 Resp: 151449
Ion Ratio Lower Upper
113 100
111 102.4 81.0 121.6
192 19.4 15.8 23.8



#36
1,1-Dichloropropene
Concen: 4.404 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021315.D
Acq: 25 Feb 2025 16:24

Tgt Ion: 75 Resp: 20269
Ion Ratio Lower Upper
75 100
110 9.0 16.9 50.7#
77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 4.726 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.116 min

Lab File: VY021315.D

Acq: 25 Feb 2025 16:24

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

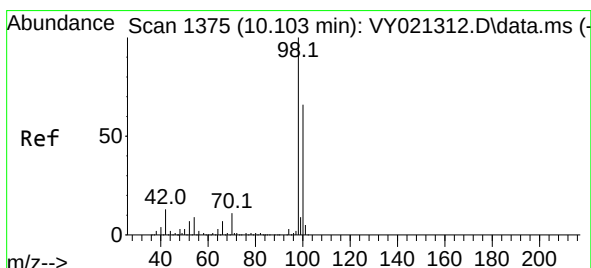
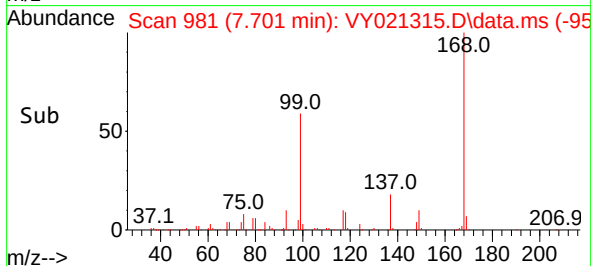
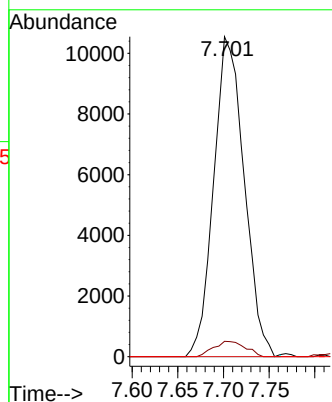
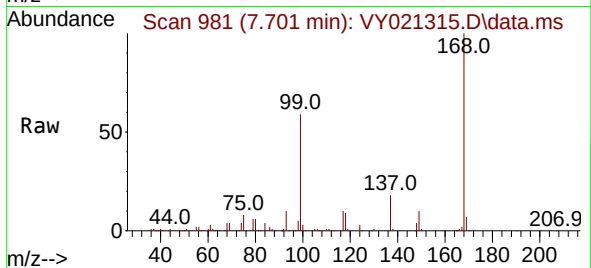
Tgt Ion:117 Resp: 24457

Ion Ratio Lower Upper

117 100

119 4.8 76.0 114.0#

121 0.0 24.9 37.3#



#50

Toluene-d8

Concen: 48.972 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY021315.D

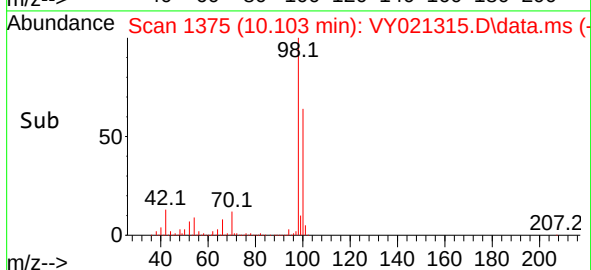
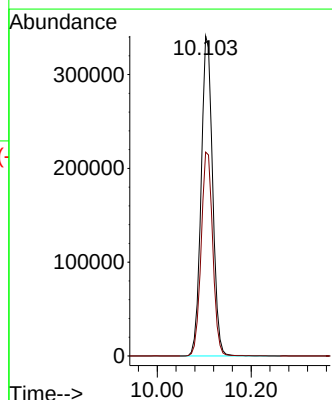
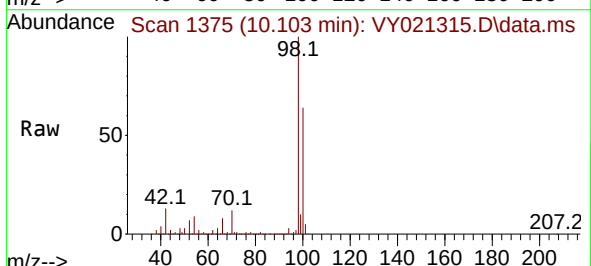
Acq: 25 Feb 2025 16:24

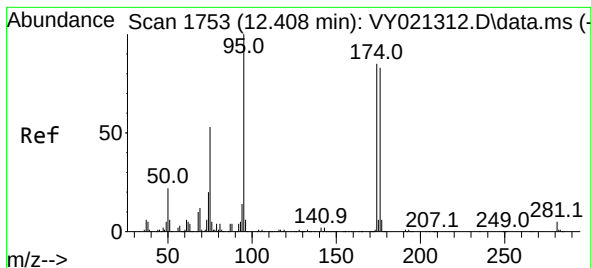
Tgt Ion: 98 Resp: 579939

Ion Ratio Lower Upper

98 100

100 64.5 52.4 78.6

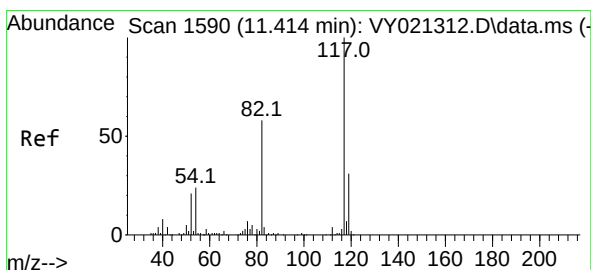
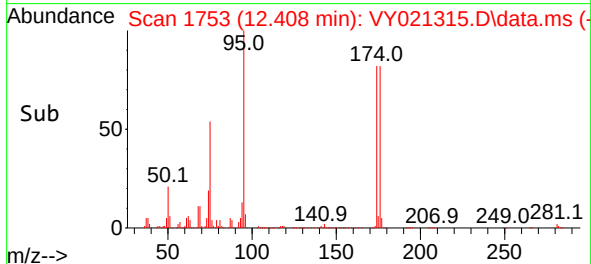
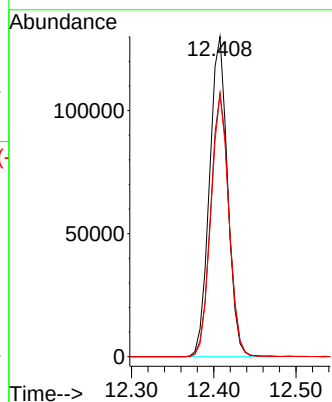
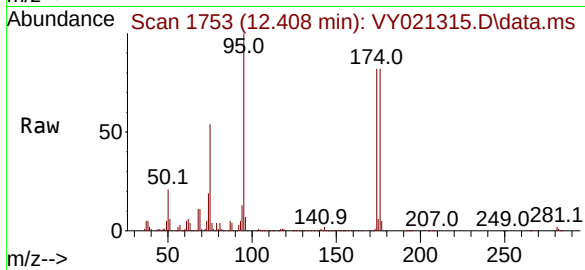




#62
4-Bromofluorobenzene
Concen: 49.878 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021315.D
Acq: 25 Feb 2025 16:24

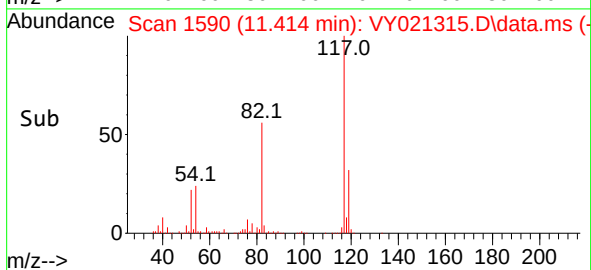
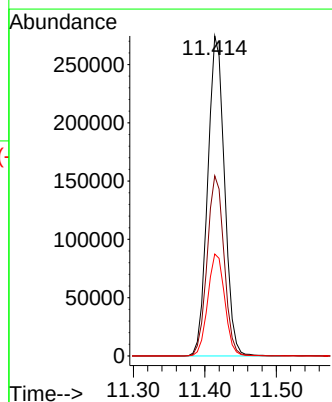
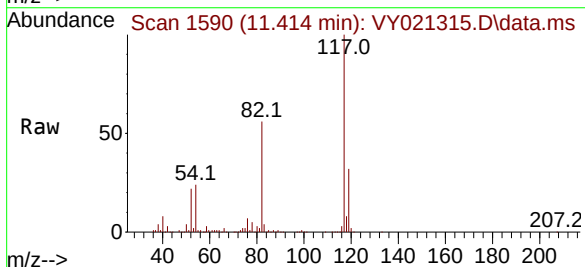
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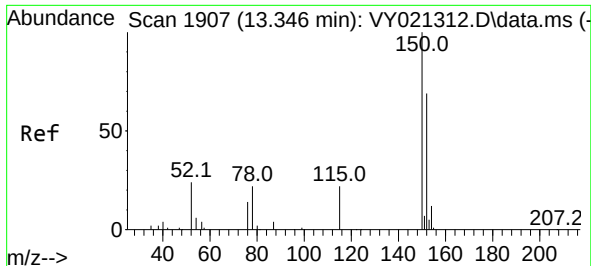
Tgt Ion: 95 Resp: 198786
Ion Ratio Lower Upper
95 100
174 83.2 0.0 168.0
176 81.3 0.0 162.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY021315.D
Acq: 25 Feb 2025 16:24

Tgt Ion: 117 Resp: 448191
Ion Ratio Lower Upper
117 100
82 56.3 46.2 69.4
119 31.9 24.9 37.3

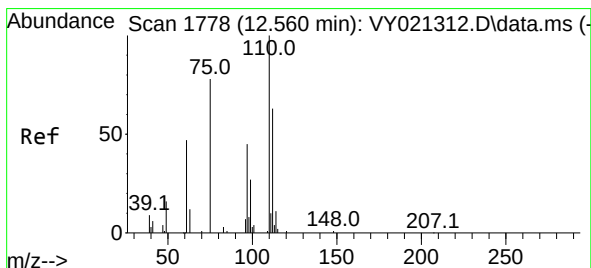
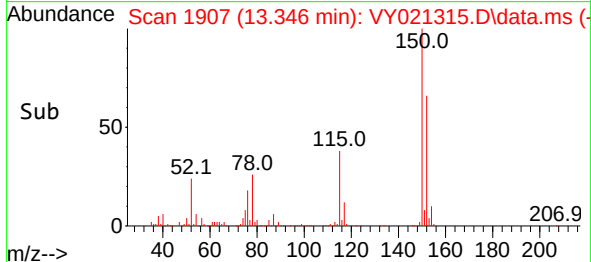
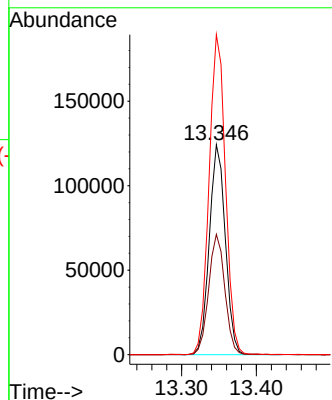
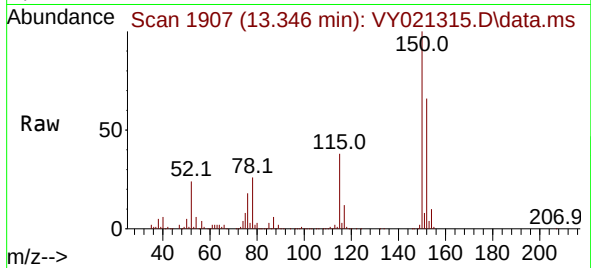




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY021315.D
 Acq: 25 Feb 2025 16:24

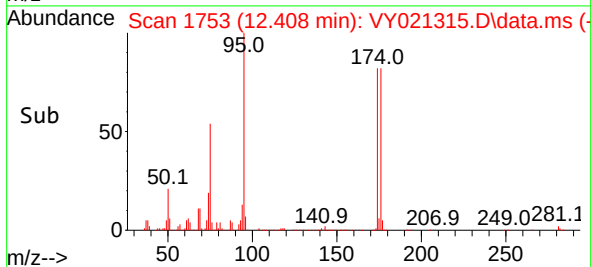
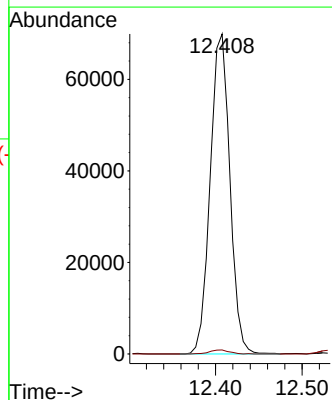
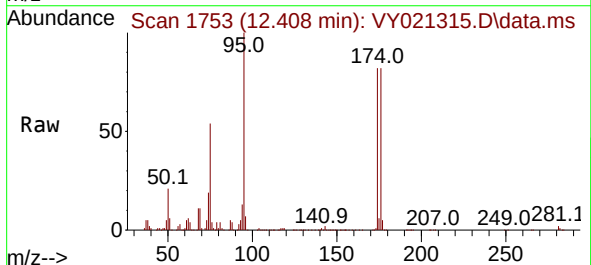
Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

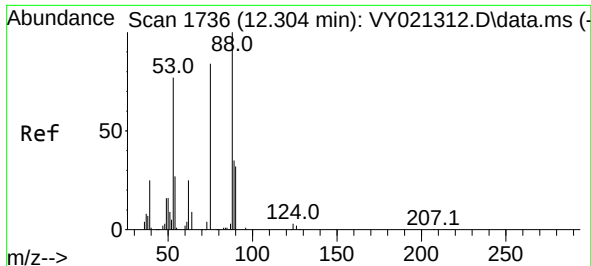
Tgt Ion:152 Resp: 185205
 Ion Ratio Lower Upper
 152 100
 115 57.8 29.3 88.0
 150 155.6 0.0 347.4



#76
 1,2,3-Trichloropropane
 Concen: 59.487 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY021315.D
 Acq: 25 Feb 2025 16:24

Tgt Ion: 75 Resp: 110278
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#

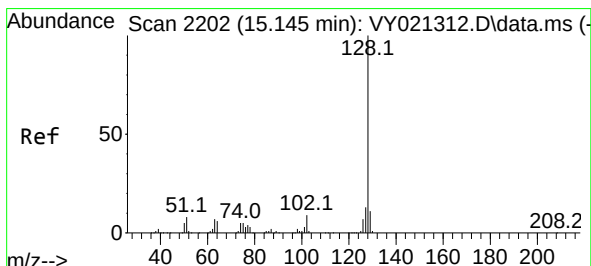
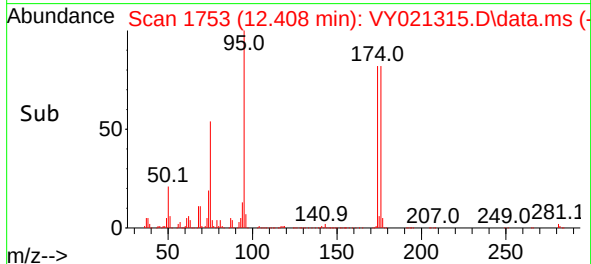
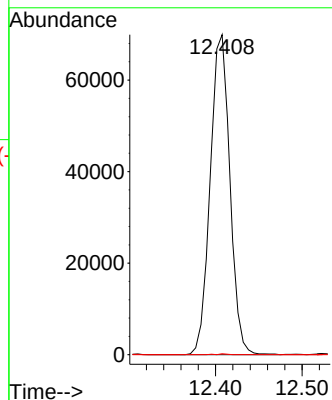
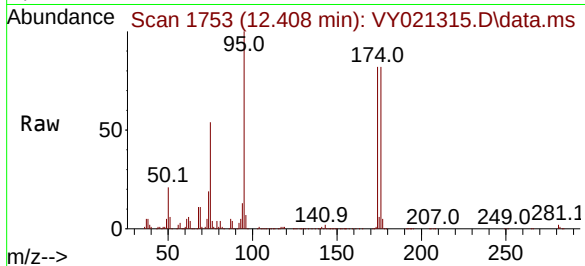




#81
trans-1,4-Dichloro-2-butene
Concen: 132.219 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY021315.D
Acq: 25 Feb 2025 16:24

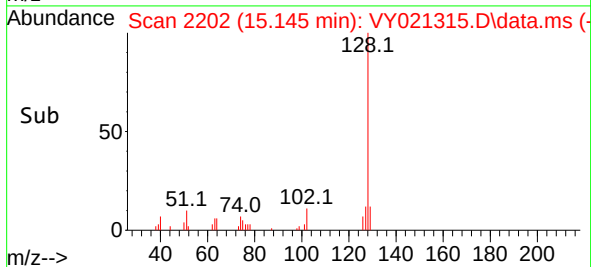
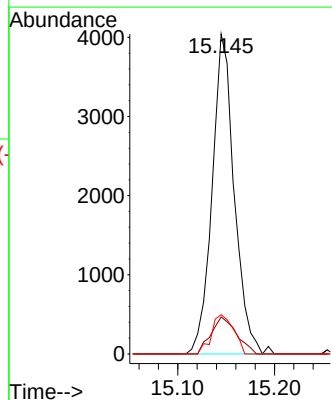
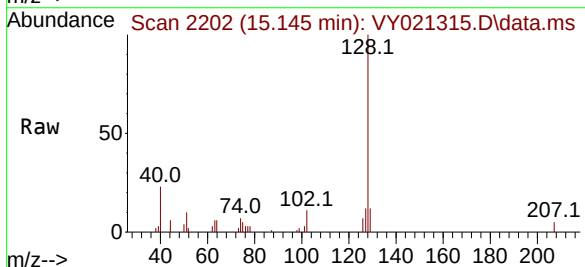
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

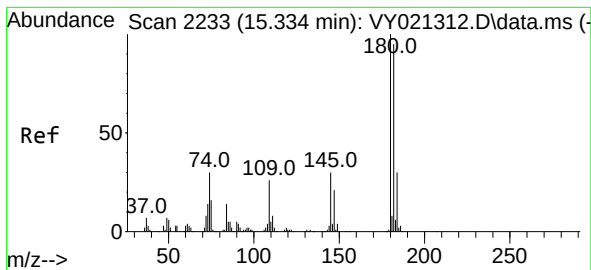
Tgt Ion: 75 Resp: 110278
Ion Ratio Lower Upper
75 100
53 0.0 79.1 118.7#
89 0.1 35.6 53.4#



#95
Naphthalene
Concen: 1.133 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: VY021315.D
Acq: 25 Feb 2025 16:24

Tgt Ion: 128 Resp: 6427
Ion Ratio Lower Upper
128 100
127 13.2 10.5 15.7
129 12.2 8.5 12.7





#96
 1,2,3-Trichlorobenzene
 Concen: 1.111 ug/l
 RT: 15.328 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VY021315.D
 Acq: 25 Feb 2025 16:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Tgt Ion:180 Resp: 3217
 Ion Ratio Lower Upper
 180 100
 182 83.3 48.3 144.9
 145 35.3 16.1 48.3

