

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010923\
 Data File : VY012108.D
 Acq On : 09 Jan 2023 14:09
 Operator : KP/MD
 Sample : 01048-01RE
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CL-01-010523

Quant Time: Jan 10 01:46:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010623S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 07 01:46:48 2023
 Response via : Initial Calibration

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

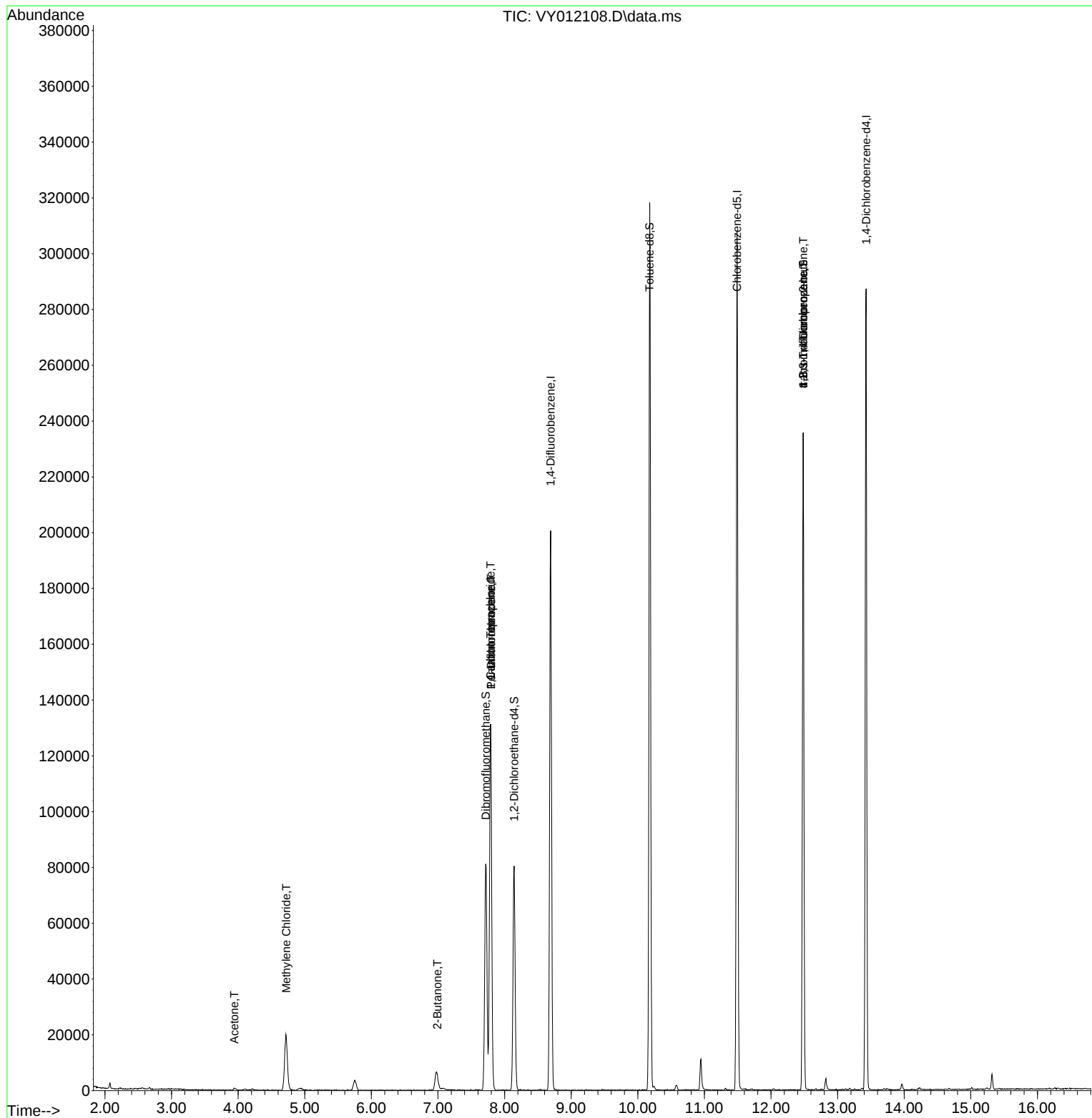
Internal Standards						
1) Pentafluorobenzene	7.795	168	104141	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	176150	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	170661	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	77692	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	66691	56.992	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.980%
35) Dibromofluoromethane	7.716	113	55861	48.247	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.500%
50) Toluene-d8	10.179	98	212400	46.478	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	92.960%
62) 4-Bromofluorobenzene	12.483	95	67954	42.541	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	85.080%
Target Compounds						Qvalue
3) Chloromethane	2.119	50	191	Below Cal	#	41
5) Bromomethane	2.668	94	191	Below Cal		85
11) Tert butyl alcohol	4.918	59	525	Below Cal	#	74
16) Acetone	3.942	43	1169	4.247	ug/l #	77
20) Methylene Chloride	4.722	84	15363	8.262	ug/l	87
25) 2-Butanone	6.990	43	752	2.071	ug/l #	46
31) Cyclohexane	7.795	56	2066	Below Cal	#	1
36) 1,1-Dichloropropene	7.795	75	7200	4.099	ug/l #	50
38) Carbon Tetrachloride	7.789	117	10578	4.745	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	36167	40.770	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	36167	90.545	ug/l #	13

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

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Response via : Initial Calibration

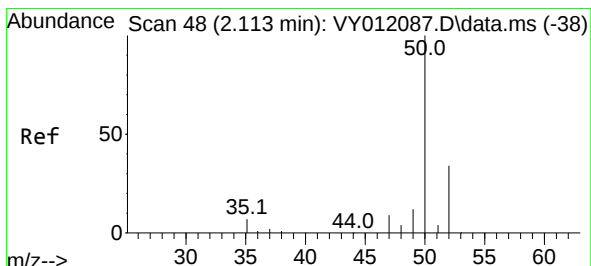
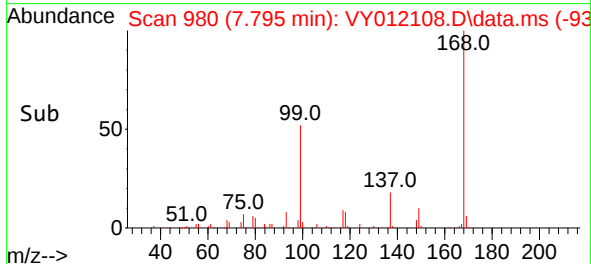
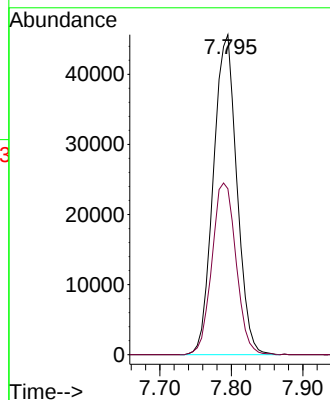
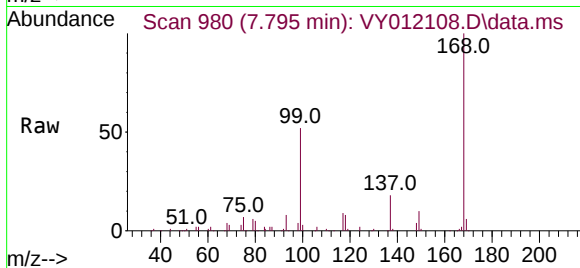




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY012108.D
Acq: 09 Jan 2023 14:09

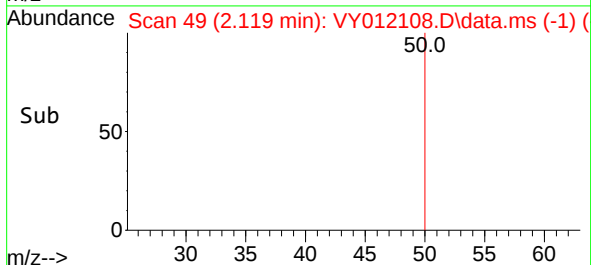
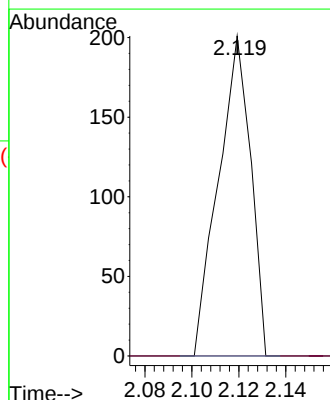
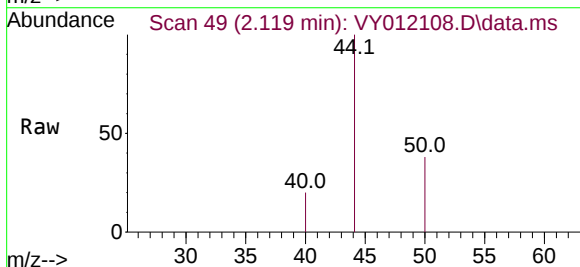
Instrument :
MSVOA_Y
ClientSampleId :
CL-01-010523

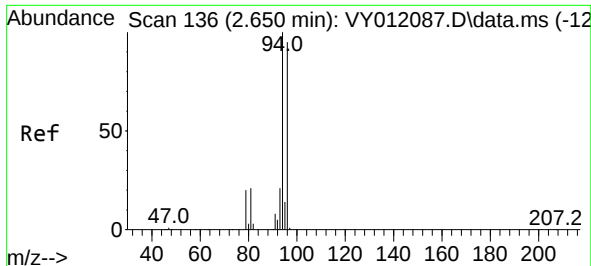
Tgt Ion:168 Resp: 104141
Ion Ratio Lower Upper
168 100
99 51.8 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY012108.D
Acq: 09 Jan 2023 14:09

Tgt Ion: 50 Resp: 191
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

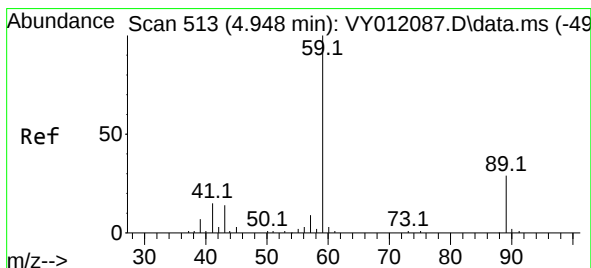
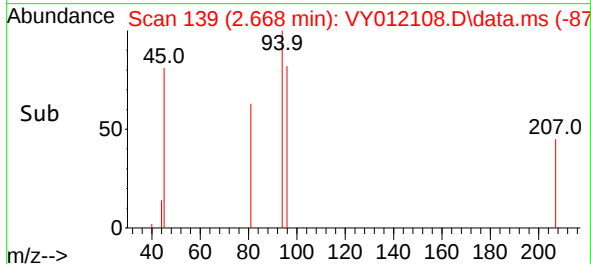
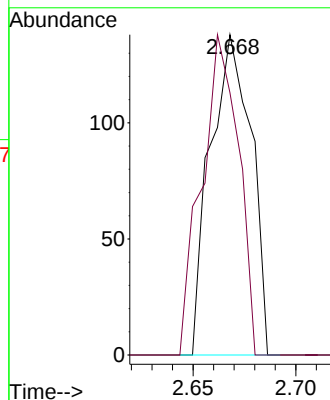
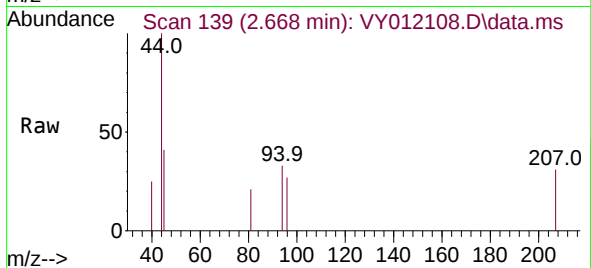




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY012108.D
Acq: 09 Jan 2023 14:09

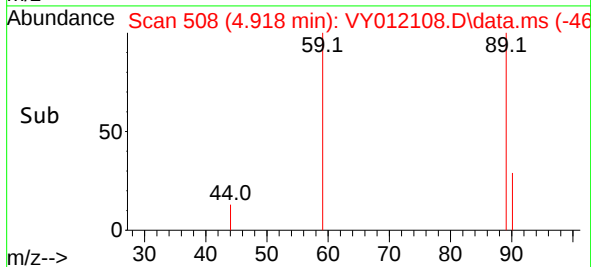
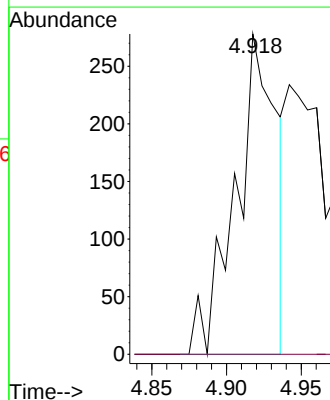
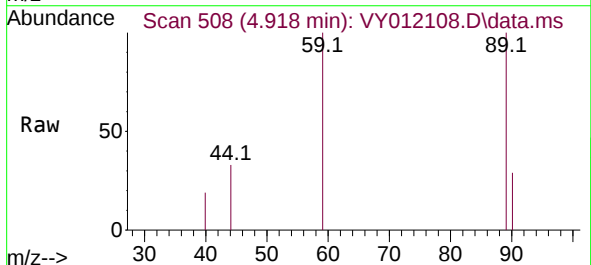
Instrument :
MSVOA_Y
ClientSampleId :
CL-01-010523

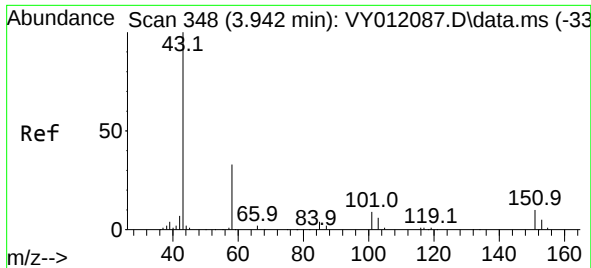
Tgt Ion: 94 Resp: 191
Ion Ratio Lower Upper
94 100
96 81.9 77.4 116.2



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.918 min Scan# 508
Delta R.T. -0.030 min
Lab File: VY012108.D
Acq: 09 Jan 2023 14:09

Tgt Ion: 59 Resp: 525
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#





#16

Acetone

Concen: 4.247 ug/l

RT: 3.942 min Scan# 34

Delta R.T. 0.000 min

Lab File: VY012108.D

Acq: 09 Jan 2023 14:09

Instrument :

MSVOA_Y

ClientSampleId :

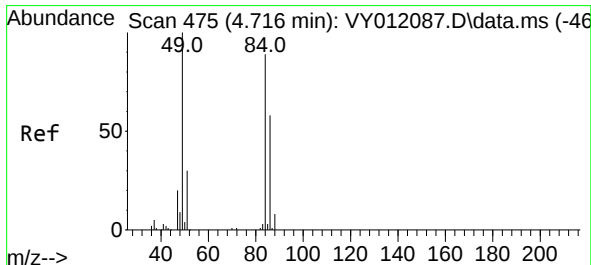
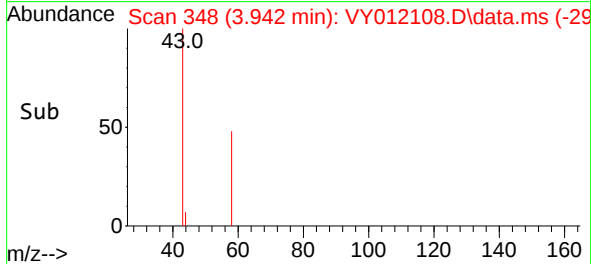
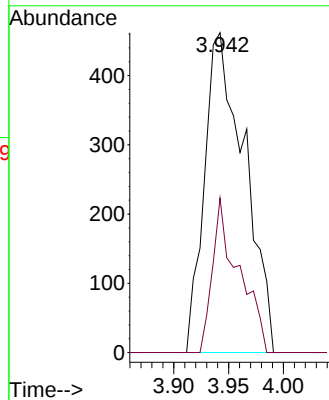
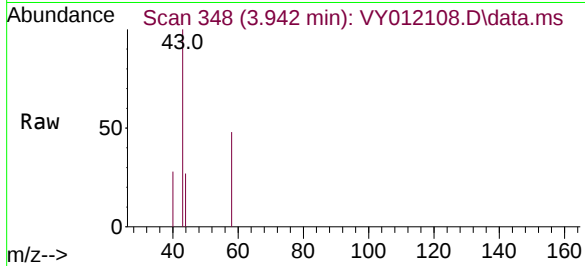
CL-01-010523

Tgt Ion: 43 Resp: 1169

Ion Ratio Lower Upper

43 100

58 48.3 27.9 41.9#



#20

Methylene Chloride

Concen: 8.262 ug/l

RT: 4.722 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY012108.D

Acq: 09 Jan 2023 14:09

Tgt Ion: 84 Resp: 15363

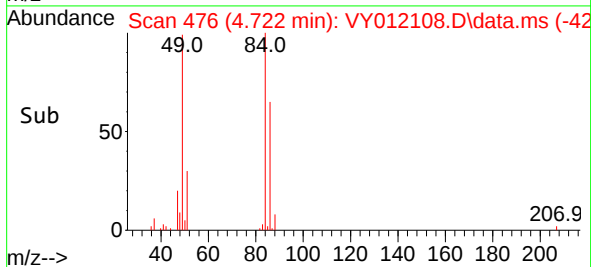
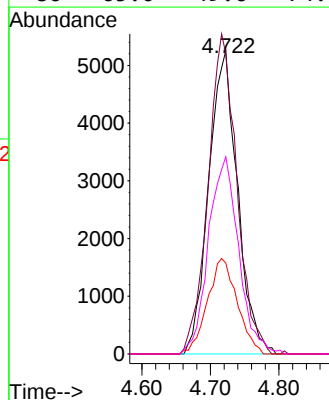
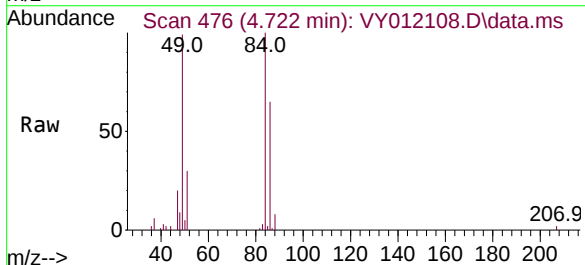
Ion Ratio Lower Upper

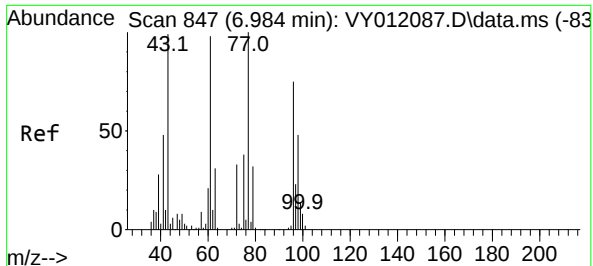
84 100

49 98.9 95.4 143.2

51 30.0 29.9 44.9

86 65.0 49.6 74.4





#25

2-Butanone

Concen: 2.071 ug/l

RT: 6.990 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY012108.D

Acq: 09 Jan 2023 14:09

Instrument :

MSVOA_Y

ClientSampleId :

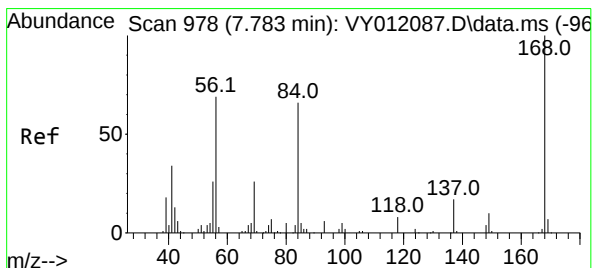
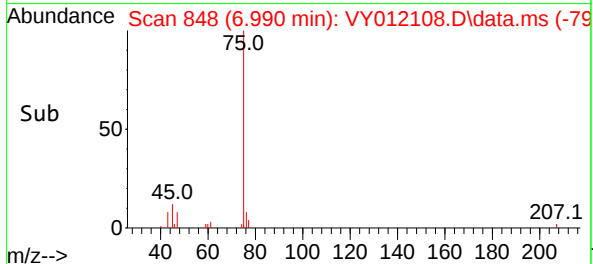
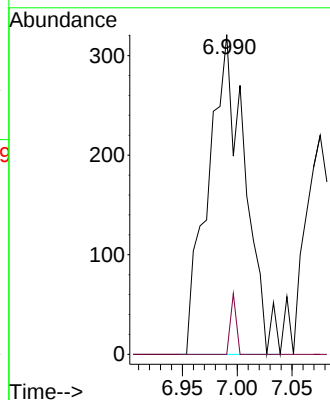
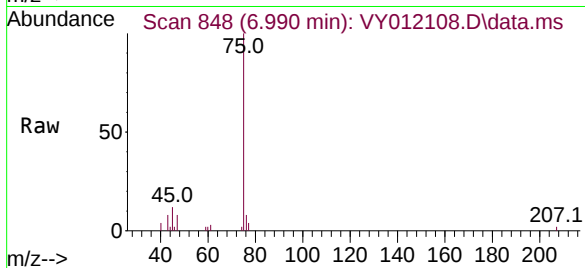
CL-01-010523

Tgt Ion: 43 Resp: 752

Ion Ratio Lower Upper

43 100

72 0.0 22.6 34.0#



#31

Cyclohexane

Concen: Below Cal

RT: 7.795 min Scan# 980

Delta R.T. 0.012 min

Lab File: VY012108.D

Acq: 09 Jan 2023 14:09

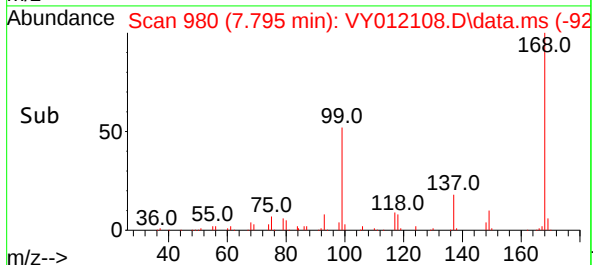
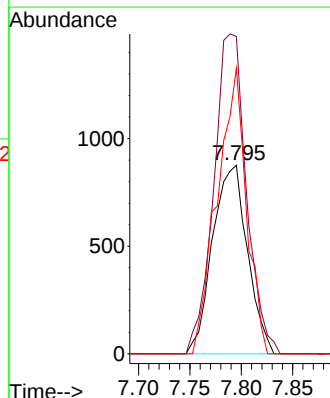
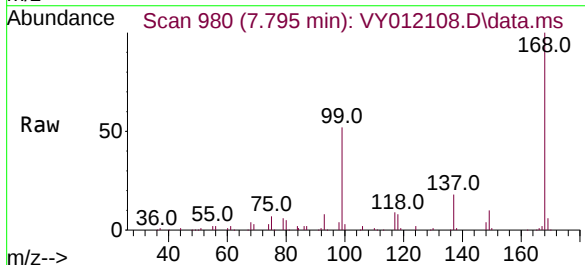
Tgt Ion: 56 Resp: 2066

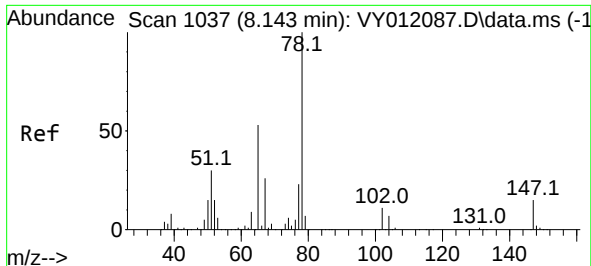
Ion Ratio Lower Upper

56 100

69 168.4 29.2 43.8#

84 151.5 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 56.992 ug/l

RT: 8.143 min Scan# 1103

Delta R.T. -0.000 min

Lab File: VY012108.D

Acq: 09 Jan 2023 14:09

Instrument :

MSVOA_Y

ClientSampleId :

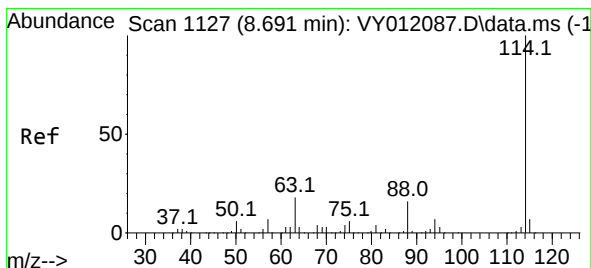
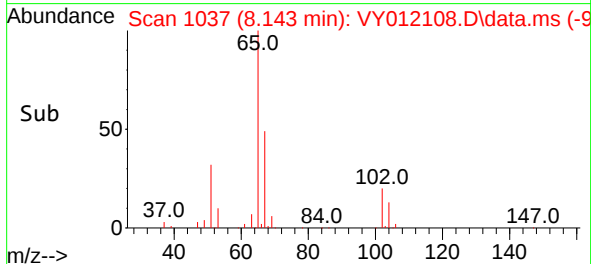
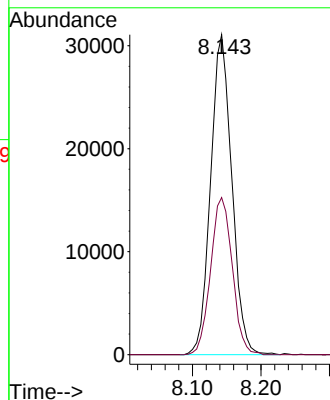
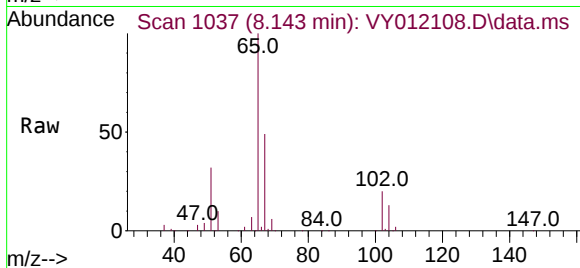
CL-01-010523

Tgt Ion: 65 Resp: 66691

Ion Ratio Lower Upper

65 100

67 50.3 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012108.D

Acq: 09 Jan 2023 14:09

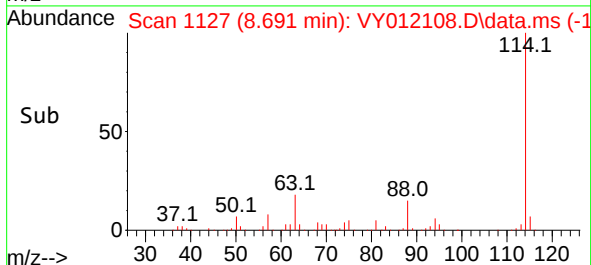
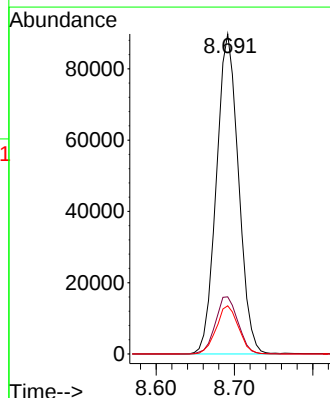
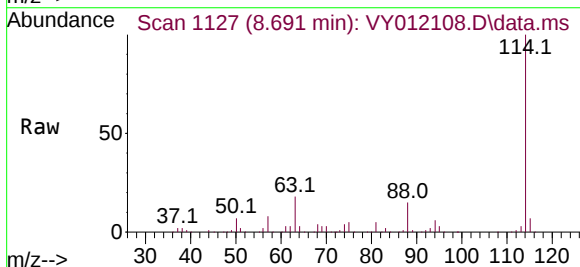
Tgt Ion: 114 Resp: 176150

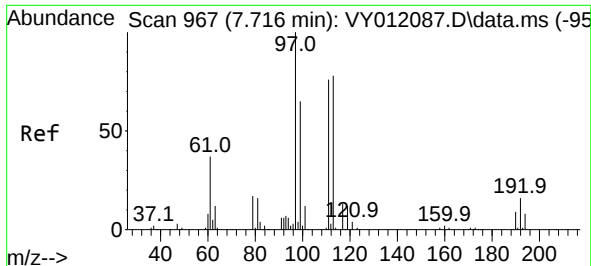
Ion Ratio Lower Upper

114 100

63 17.9 0.0 39.6

88 15.0 0.0 32.2

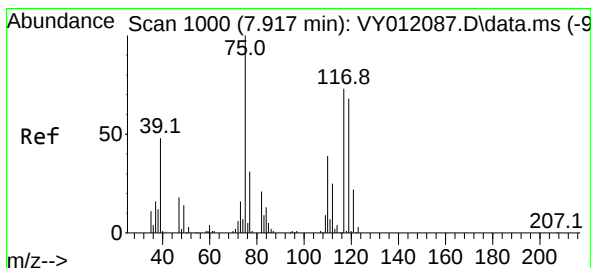
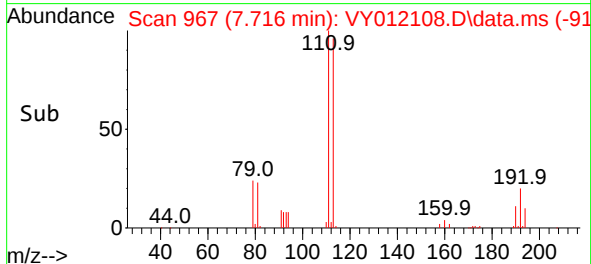
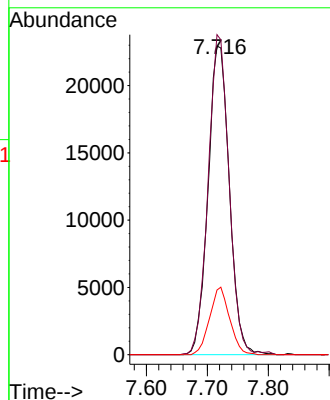
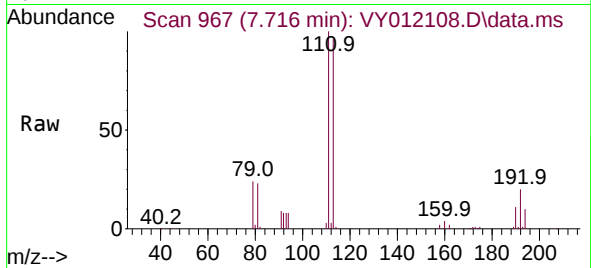




#35
Dibromofluoromethane
Concen: 48.247 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012108.D
Acq: 09 Jan 2023 14:09

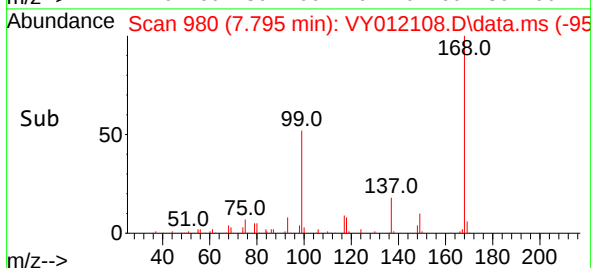
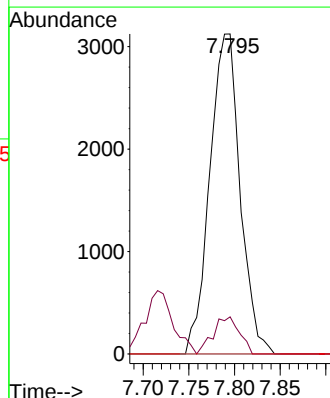
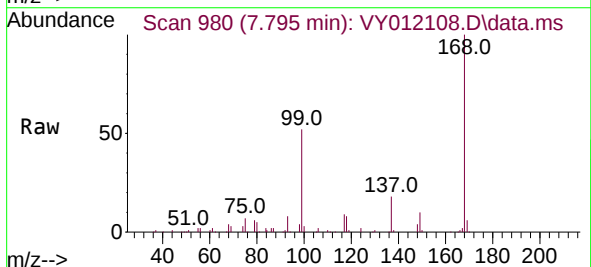
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CL-01-010523

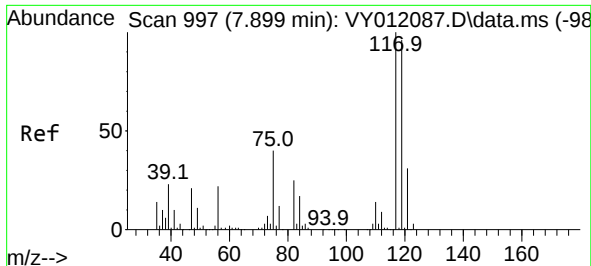
Tgt Ion:113 Resp: 55861
Ion Ratio Lower Upper
113 100
111 101.4 83.0 124.4
192 20.5 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.099 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.122 min
Lab File: VY012108.D
Acq: 09 Jan 2023 14:09

Tgt Ion: 75 Resp: 7200
Ion Ratio Lower Upper
75 100
110 10.0 18.1 54.1#
77 0.0 25.1 37.7#

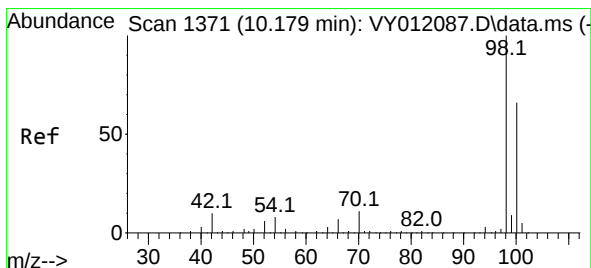
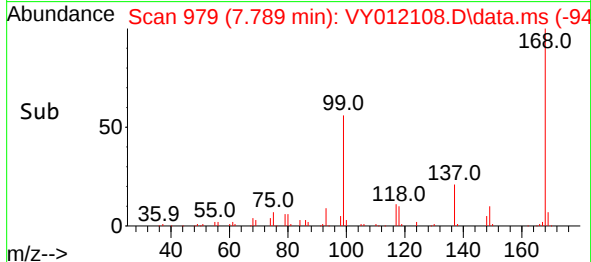
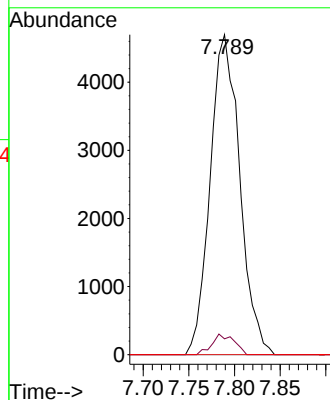
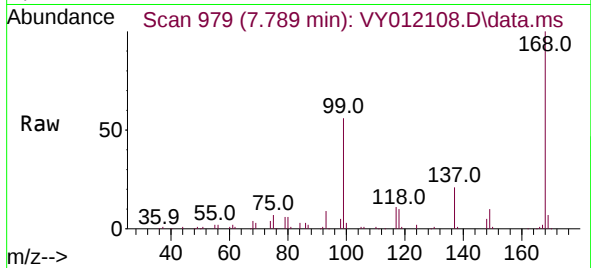




#38
Carbon Tetrachloride
Concen: 4.745 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012108.D
Acq: 09 Jan 2023 14:09

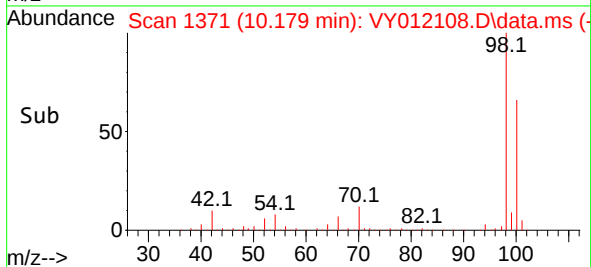
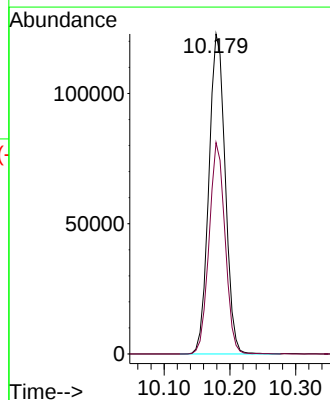
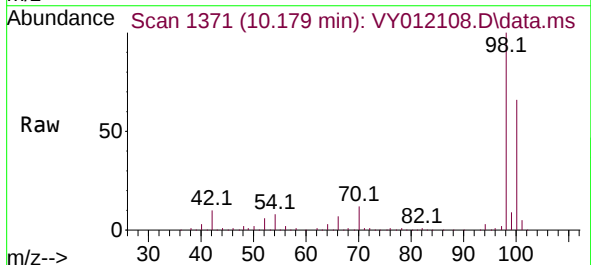
Instrument :
MSVOA_Y
ClientSampleId :
CL-01-010523

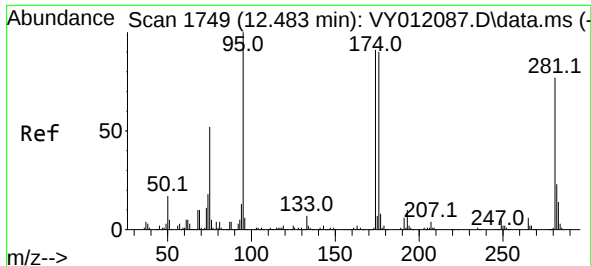
Tgt Ion:117 Resp: 10578
Ion Ratio Lower Upper
117 100
119 5.0 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 46.478 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012108.D
Acq: 09 Jan 2023 14:09

Tgt Ion: 98 Resp: 212400
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9

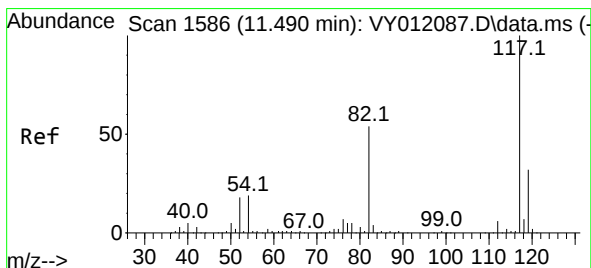
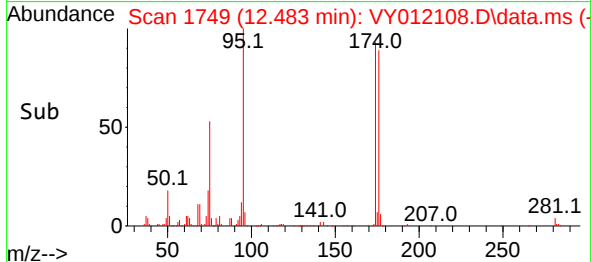
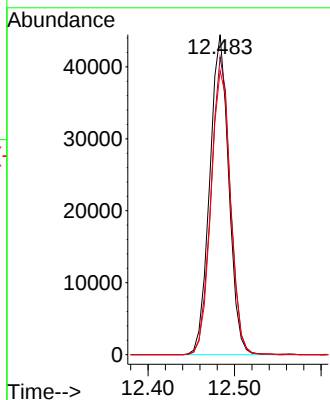
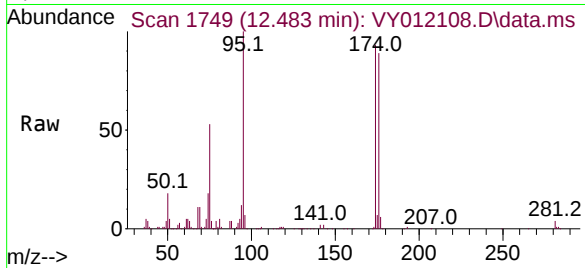




#62
4-Bromofluorobenzene
Concen: 42.541 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012108.D
Acq: 09 Jan 2023 14:09

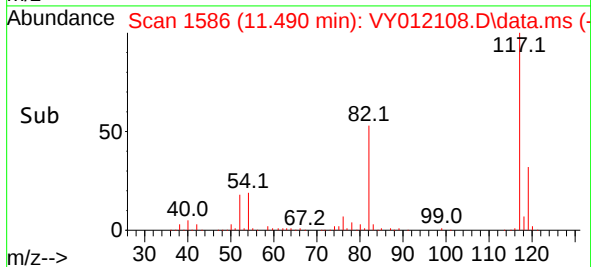
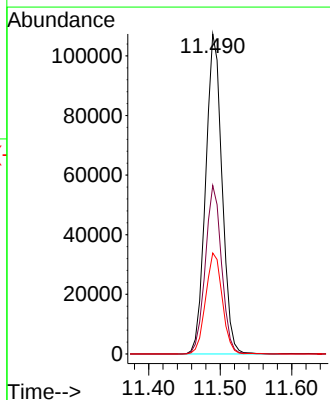
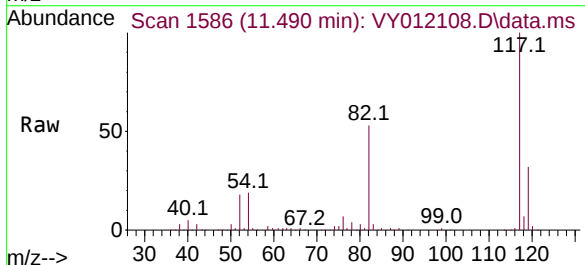
Instrument :
MSVOA_Y
ClientSampleId :
CL-01-010523

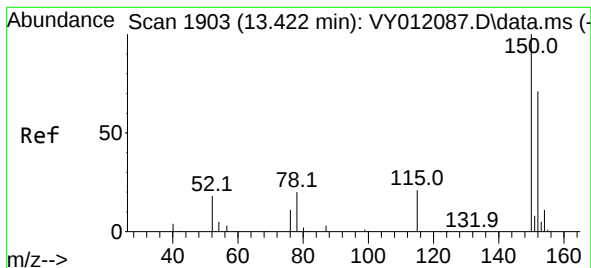
Tgt Ion: 95 Resp: 67954
Ion Ratio Lower Upper
95 100
174 94.4 0.0 172.0
176 91.3 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY012108.D
Acq: 09 Jan 2023 14:09

Tgt Ion: 117 Resp: 170661
Ion Ratio Lower Upper
117 100
82 52.7 44.8 67.2
119 31.6 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY012108.D

Acq: 09 Jan 2023 14:09

Instrument :

MSVOA_Y

ClientSampleId :

CL-01-010523

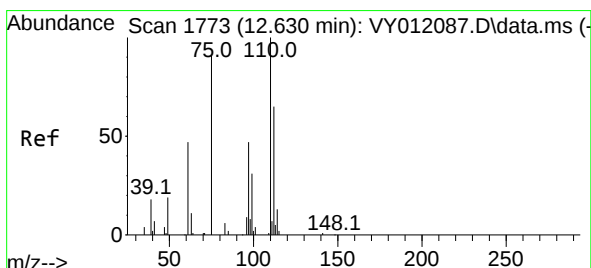
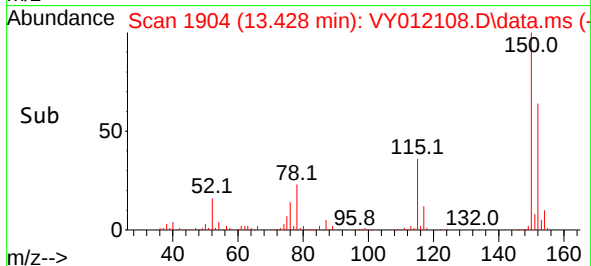
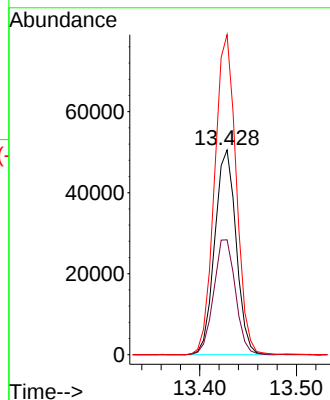
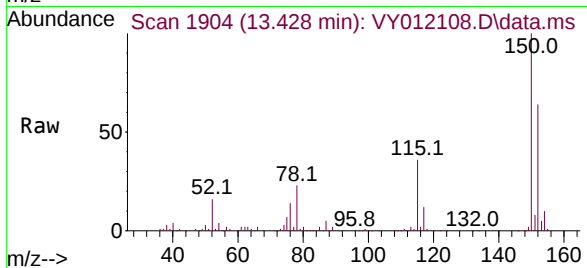
Tgt Ion:152 Resp: 77692

Ion Ratio Lower Upper

152 100

115 57.1 29.1 87.3

150 157.5 0.0 342.6



#76

1,2,3-Trichloropropane

Concen: 40.770 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY012108.D

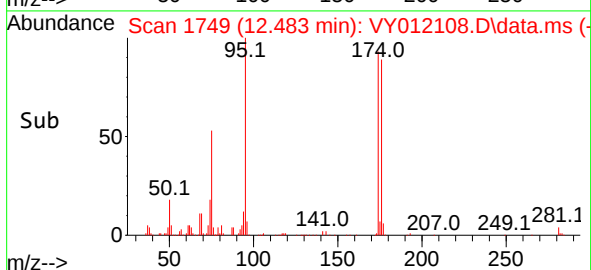
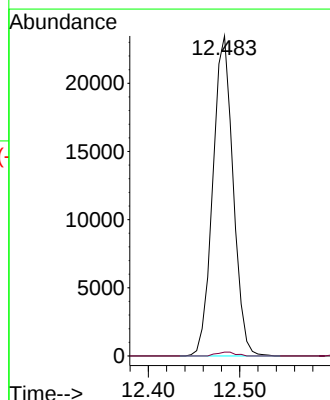
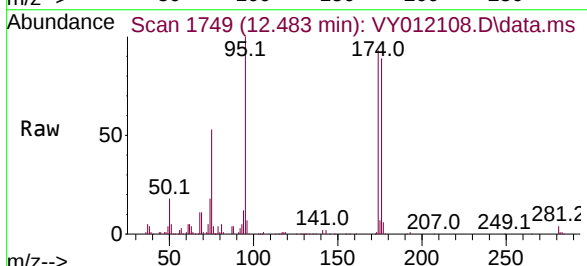
Acq: 09 Jan 2023 14:09

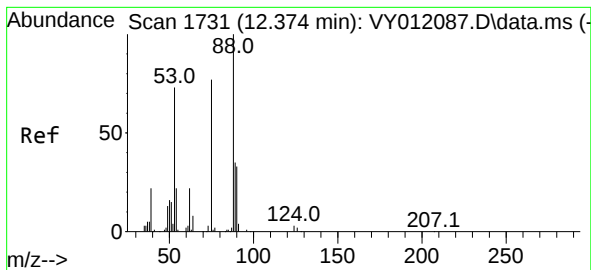
Tgt Ion: 75 Resp: 36167

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.545 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY012108.D
 Acq: 09 Jan 2023 14:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 CL-01-010523

Tgt Ion: 75 Resp: 36167
 Ion Ratio Lower Upper
 75 100
 53 0.1 72.5 108.7#
 89 0.0 37.0 55.4#

