

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102822\
 Data File : VY011159.D
 Acq On : 28 Oct 2022 16:10
 Operator : KP/MD
 Sample : N5307-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CL-02-102622

Quant Time: Oct 28 23:46:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 28 23:42:14 2022
 Response via : Initial Calibration

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

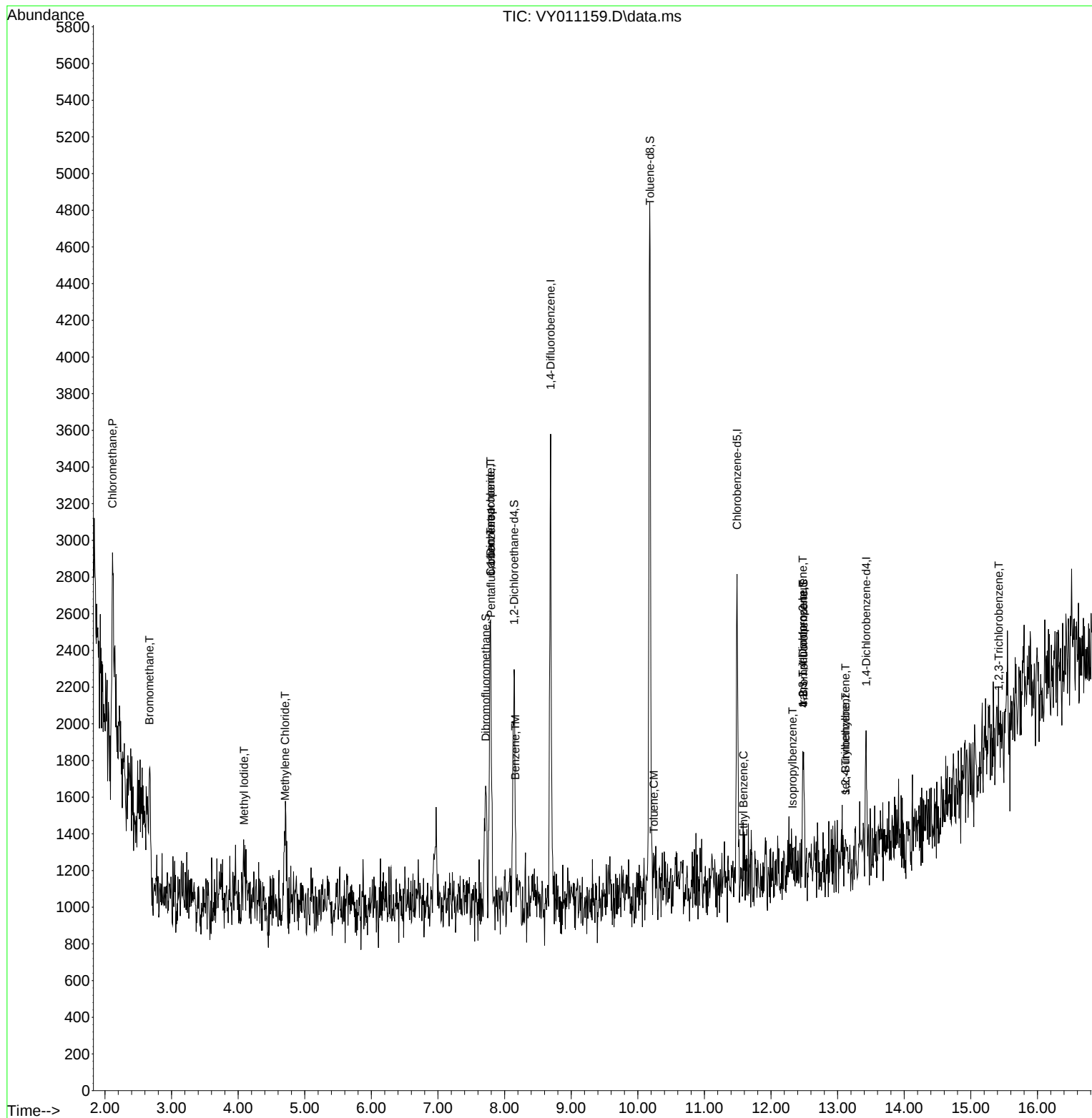
Internal Standards						
1) Pentafluorobenzene	7.795	168	1694	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.691	114	2538	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	1261	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	188	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	996	56.861	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.720%	
35) Dibromofluoromethane	7.716	113	686	43.953	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 87.900%	
50) Toluene-d8	10.185	98	3152	50.976	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.960%	
62) 4-Bromofluorobenzene	12.489	95	297	14.680	ug/l	0.01
Spiked Amount	50.000	Range	25 - 144	Recovery	= 29.360%	
Target Compounds						Qvalue
3) Chloromethane	2.113	50	119	7.582	ug/l	# 44
5) Bromomethane	2.668	94	194	19.597	ug/l	83
10) Methyl Iodide	4.088	142	170	10.262	ug/l	# 88
20) Methylene Chloride	4.704	84	165	2.975	ug/l	# 76
36) 1,1-Dichloropropene	7.789	75	78	3.833	ug/l	# 42
38) Carbon Tetrachloride	7.789	117	61	2.752	ug/l	# 11
40) Benzene	8.161	78	217	3.562	ug/l	# 50
52) Toluene	10.240	92	145	3.803	ug/l	88
67) Ethyl Benzene	11.587	91	146	3.599	ug/l	# 44
73) Isopropylbenzene	12.325	105	44	3.585	ug/l	# 48
76) 1,2,3-Trichloropropane	12.477	75	114	58.324	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	114	123.862	ug/l	# 7
84) 1,2,4-Trimethylbenzene	13.117	105	49	4.813	ug/l	# 31
85) sec-Butylbenzene	13.117	105	49	3.630	ug/l	# 56
96) 1,2,3-Trichlorobenzene	15.422	180	80	30.459	ug/l	# 33

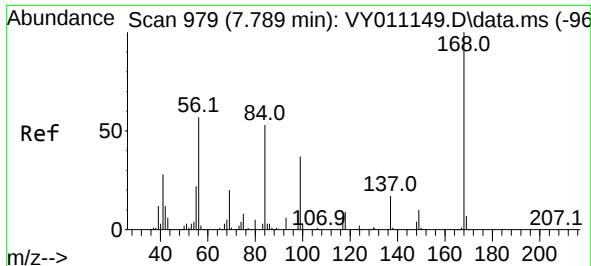
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102822\
Data File : VY011159.D
Acq On : 28 Oct 2022 16:10
Operator : KP/MD
Sample : N5307-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
CL-02-102622

Quant Time: Oct 28 23:46:01 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102822S.M
Quant Title : SW846 8260
QLast Update : Fri Oct 28 23:42:14 2022
Response via : Initial Calibration

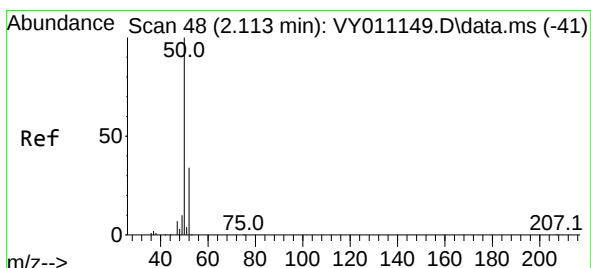
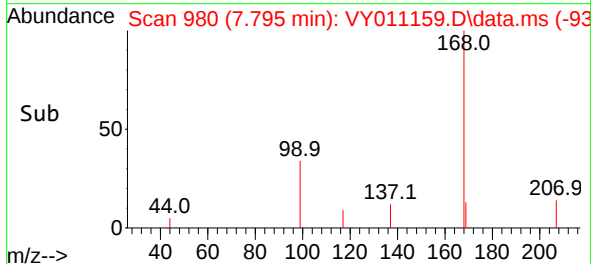
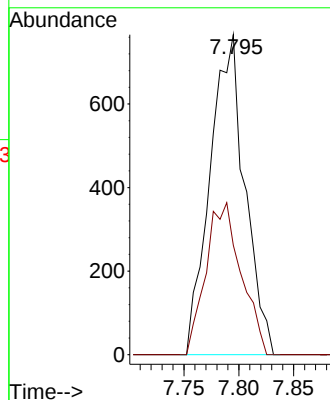
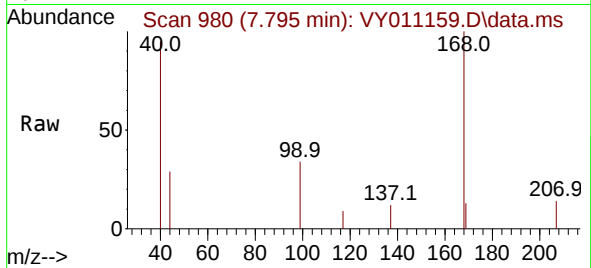




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 99
Delta R.T. 0.006 min
Lab File: VY011159.D
Acq: 28 Oct 2022 16:10

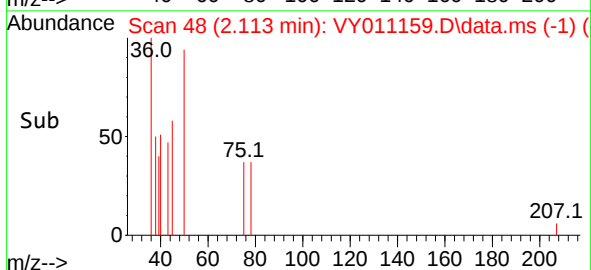
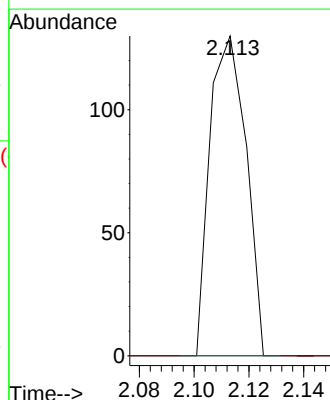
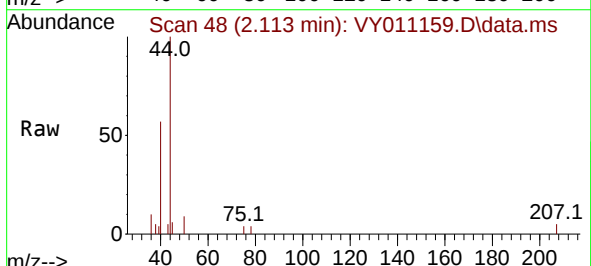
Instrument :
MSVOA_Y
ClientSampleId :
CL-02-102622

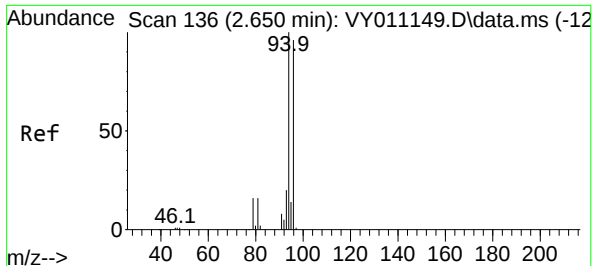
Tgt Ion:168 Resp: 1694
Ion Ratio Lower Upper
168 100
99 34.2 46.9 70.3#



#3
Chloromethane
Concen: 7.582 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY011159.D
Acq: 28 Oct 2022 16:10

Tgt Ion: 50 Resp: 119
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

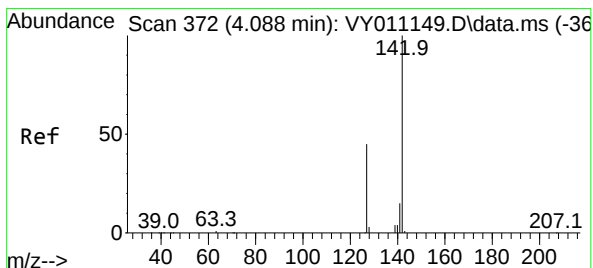
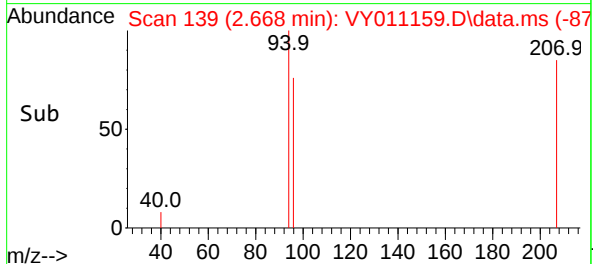
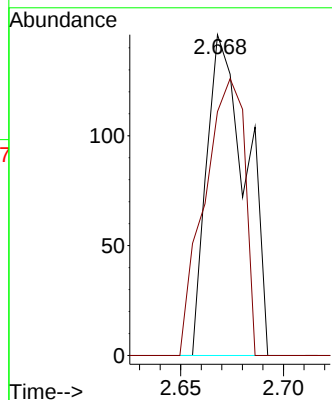
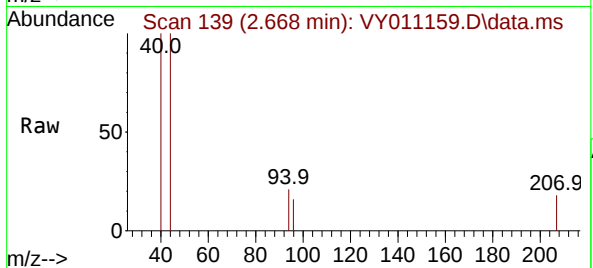




#5
Bromomethane
Concen: 19.597 ug/l
RT: 2.668 min Scan# 139
Delta R.T. 0.018 min
Lab File: VY011159.D
Acq: 28 Oct 2022 16:10

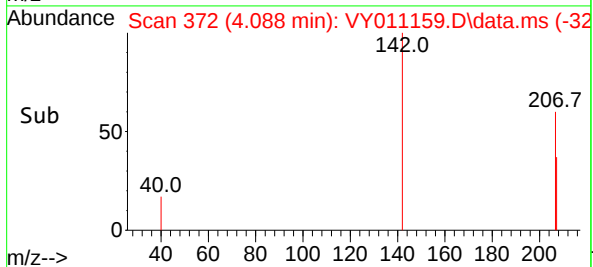
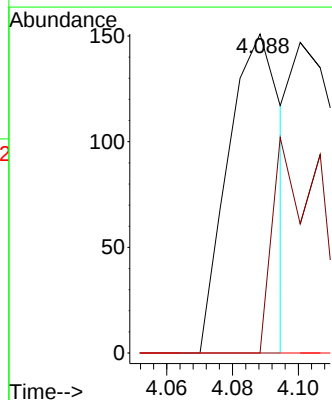
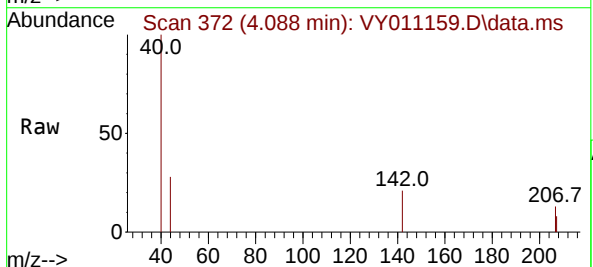
Instrument :
MSVOA_Y
ClientSampleId :
CL-02-102622

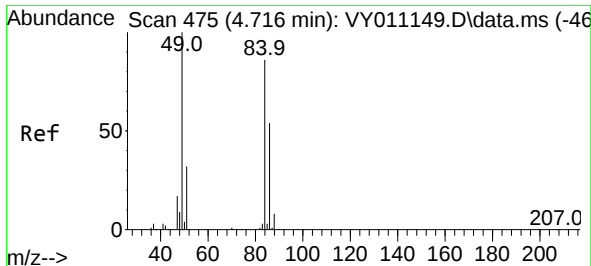
Tgt Ion: 94 Resp: 194
Ion Ratio Lower Upper
94 100
96 76.0 73.5 110.3



#10
Methyl Iodide
Concen: 10.262 ug/l
RT: 4.088 min Scan# 372
Delta R.T. 0.000 min
Lab File: VY011159.D
Acq: 28 Oct 2022 16:10

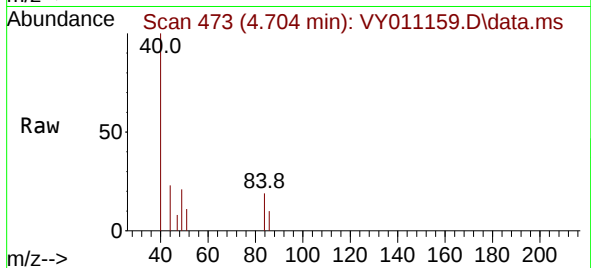
Tgt Ion:142 Resp: 170
Ion Ratio Lower Upper
142 100
127 55.3 41.5 62.3
141 0.0 11.9 17.9#



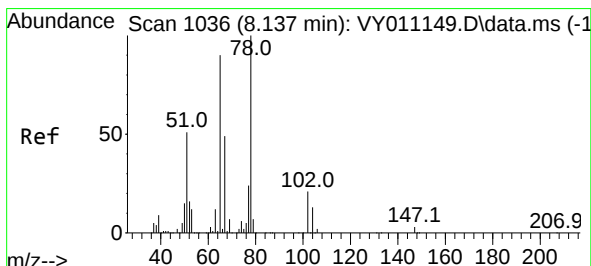
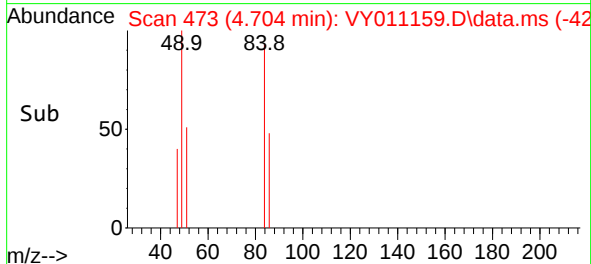
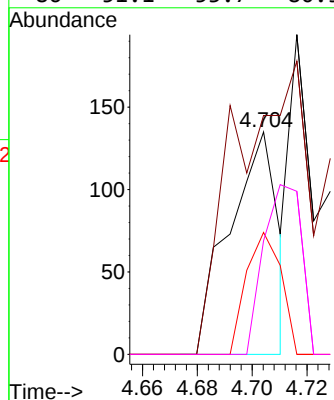


#20
Methylene Chloride
Concen: 2.975 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY011159.D
Acq: 28 Oct 2022 16:10

Instrument :
MSVOA_Y
ClientSampleId :
CL-02-102622

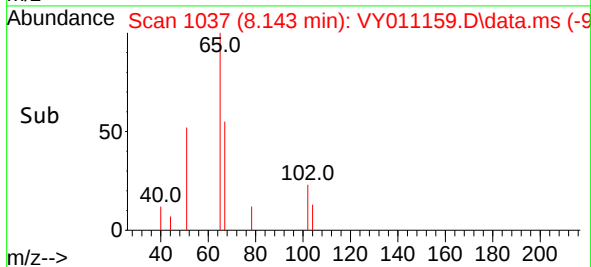
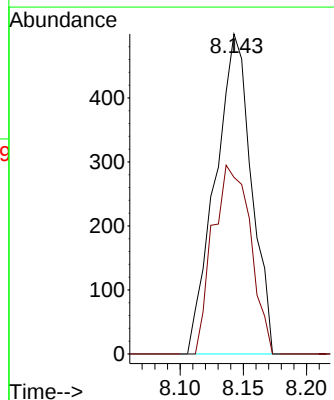
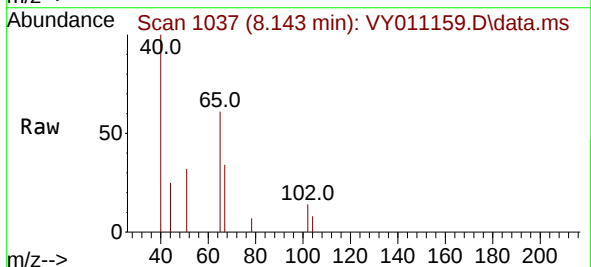


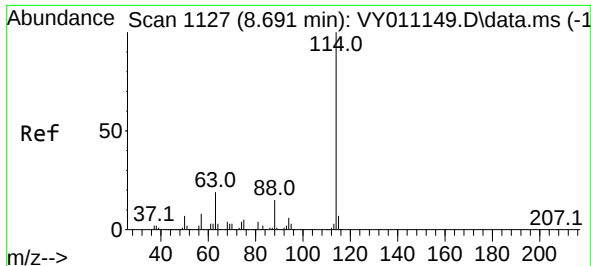
Tgt Ion:	84	Resp:	165
Ion	Ratio	Lower	Upper
84	100		
49	107.4	114.4	171.6#
51	54.8	35.3	52.9#
86	51.1	53.7	80.5#



#33
1,2-Dichloroethane-d4
Concen: 56.861 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY011159.D
Acq: 28 Oct 2022 16:10

Tgt Ion:	65	Resp:	996
Ion	Ratio	Lower	Upper
65	100		
67	61.3	0.0	99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011159.D

Acq: 28 Oct 2022 16:10

Instrument :

MSVOA_Y

ClientSampleId :

CL-02-102622

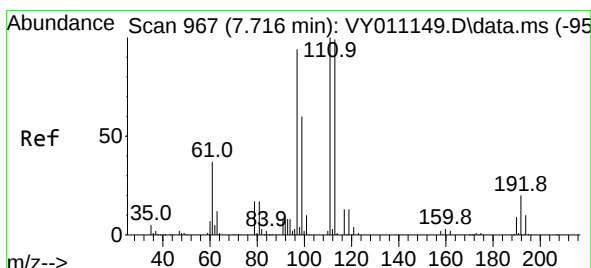
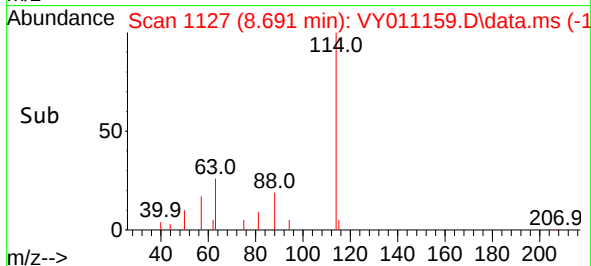
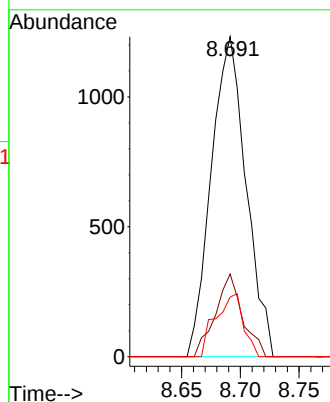
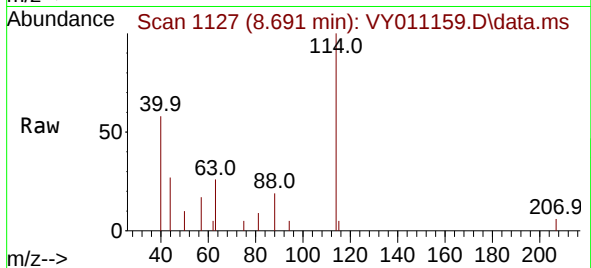
Tgt Ion:114 Resp: 2538

Ion Ratio Lower Upper

114 100

63 25.8 0.0 43.2

88 18.6 0.0 31.8



#35

Dibromofluoromethane

Concen: 43.953 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY011159.D

Acq: 28 Oct 2022 16:10

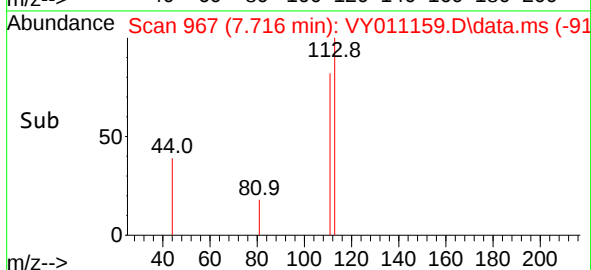
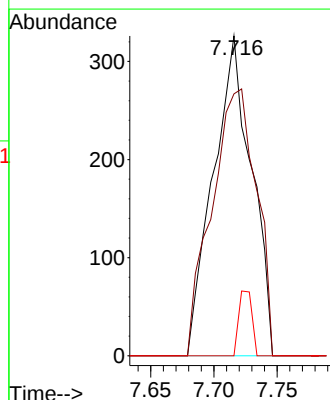
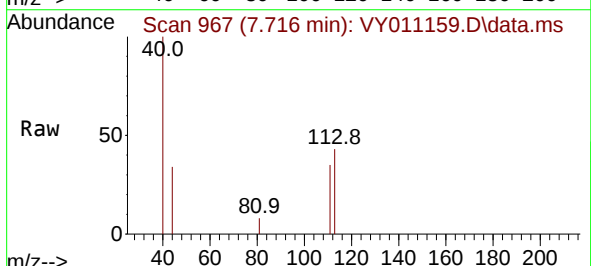
Tgt Ion:113 Resp: 686

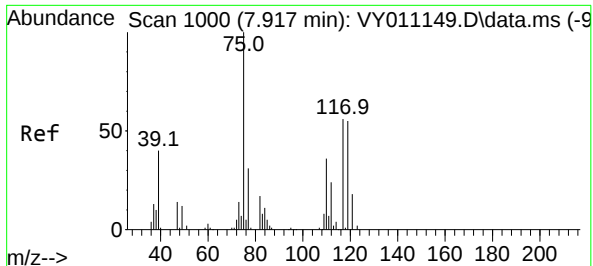
Ion Ratio Lower Upper

113 100

111 97.2 82.6 124.0

192 7.0 17.6 26.4#





#36

1,1-Dichloropropene

Concen: 3.833 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY011159.D

Acq: 28 Oct 2022 16:10

Instrument :

MSVOA_Y

ClientSampleId :

CL-02-102622

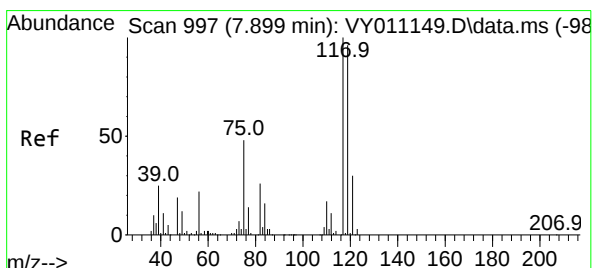
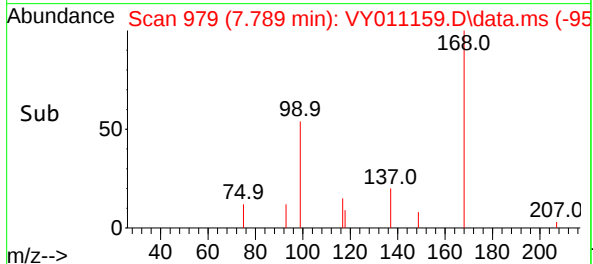
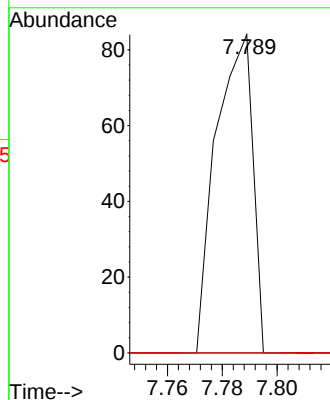
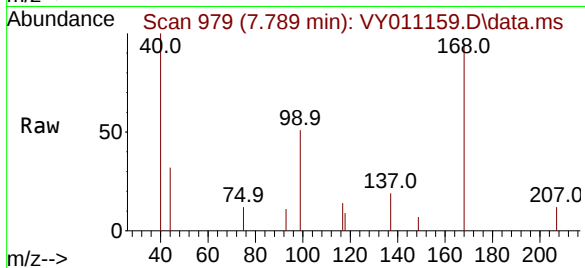
Tgt Ion: 75 Resp: 78

Ion Ratio Lower Upper

75 100

110 0.0 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 2.752 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY011159.D

Acq: 28 Oct 2022 16:10

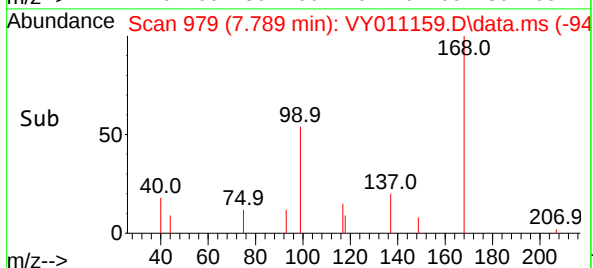
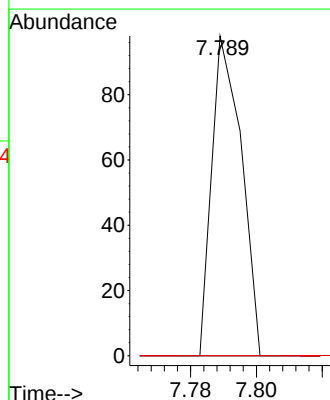
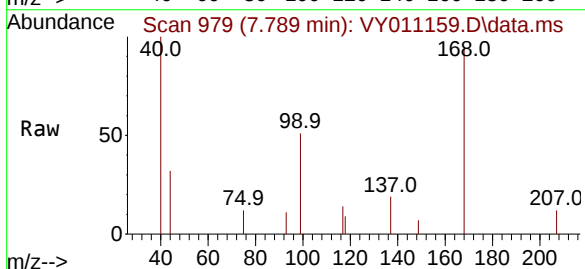
Tgt Ion: 117 Resp: 61

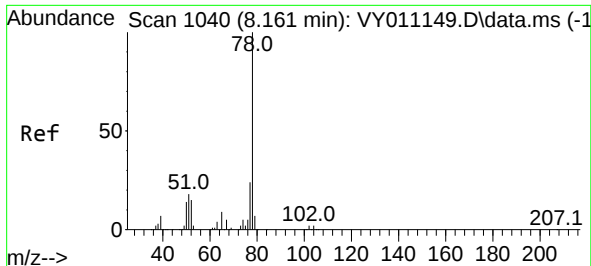
Ion Ratio Lower Upper

117 100

119 0.0 77.9 116.9#

121 0.0 24.8 37.2#

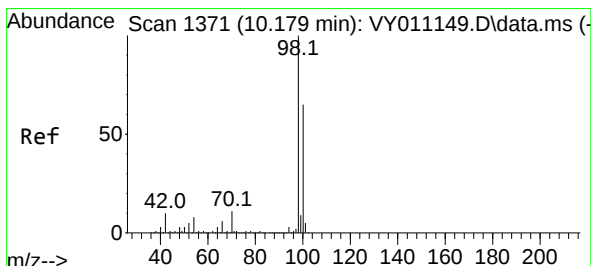
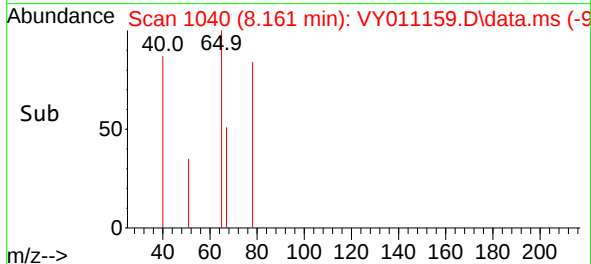
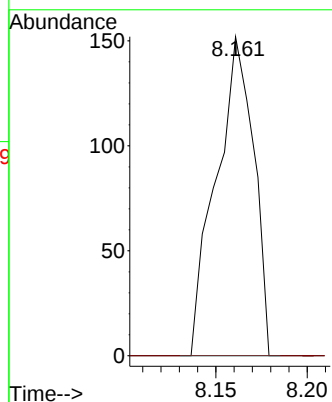
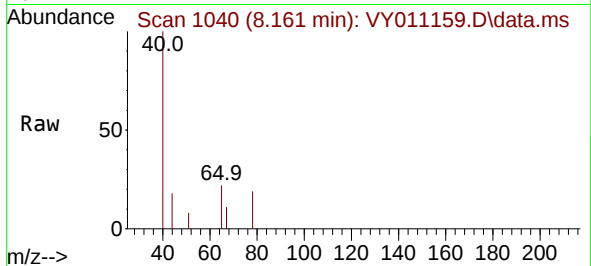




#40
Benzene
Concen: 3.562 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY011159.D
Acq: 28 Oct 2022 16:10

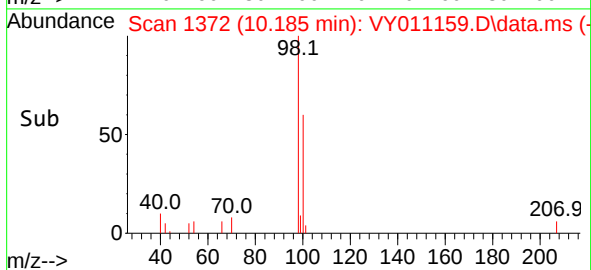
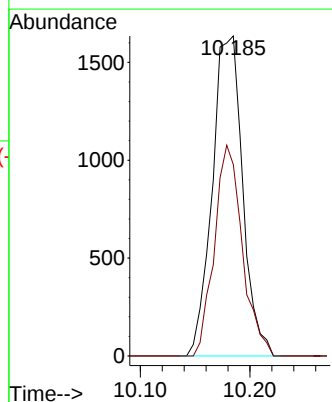
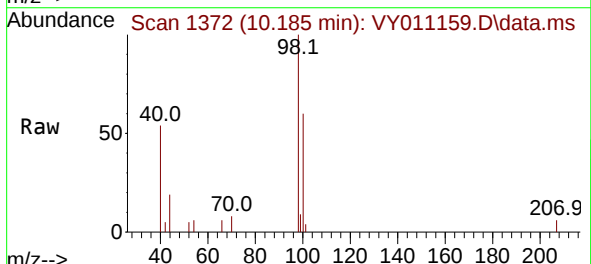
Instrument :
MSVOA_Y
ClientSampleId :
CL-02-102622

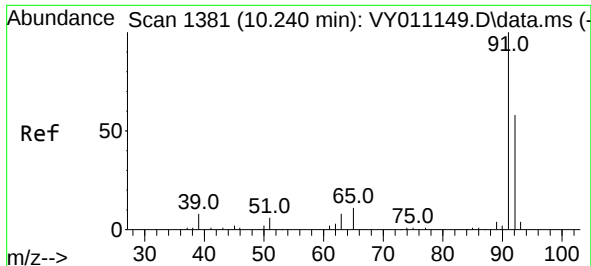
Tgt Ion: 78 Resp: 217
Ion Ratio Lower Upper
78 100
77 0.0 20.4 30.6#



#50
Toluene-d8
Concen: 50.976 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY011159.D
Acq: 28 Oct 2022 16:10

Tgt Ion: 98 Resp: 3152
Ion Ratio Lower Upper
98 100
100 60.5 50.2 75.2

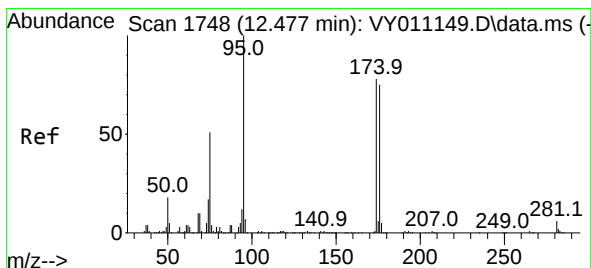
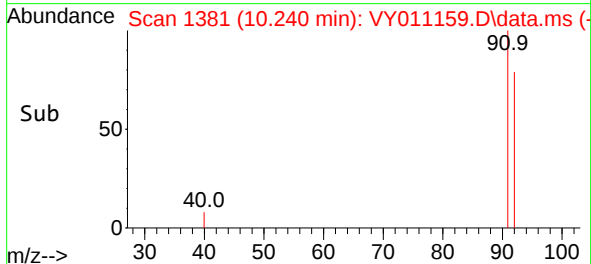
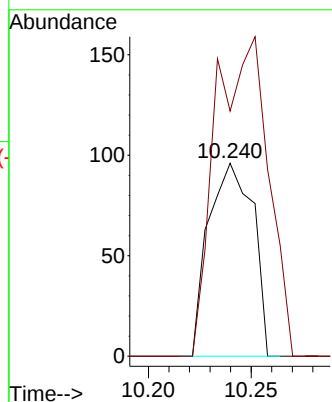
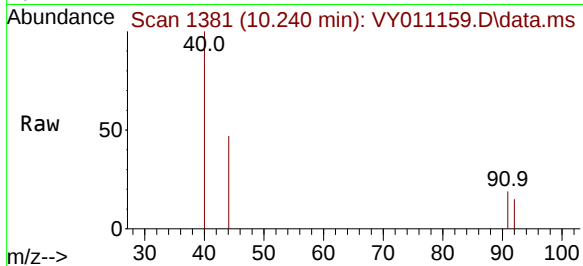




#52
Toluene
Concen: 3.803 ug/l
RT: 10.240 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011159.D
Acq: 28 Oct 2022 16:10

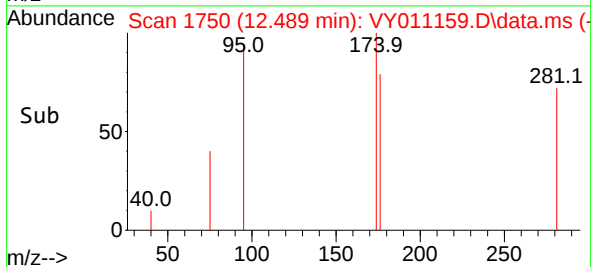
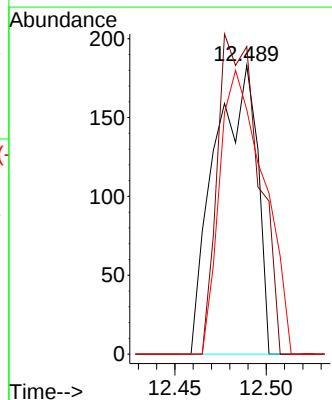
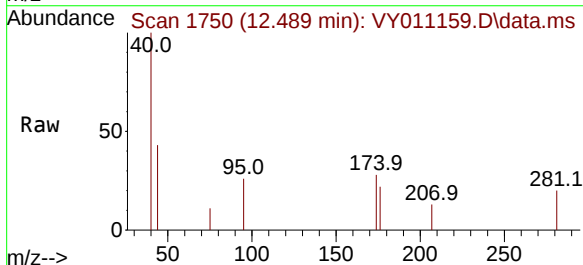
Instrument :
MSVOA_Y
ClientSampleId :
CL-02-102622

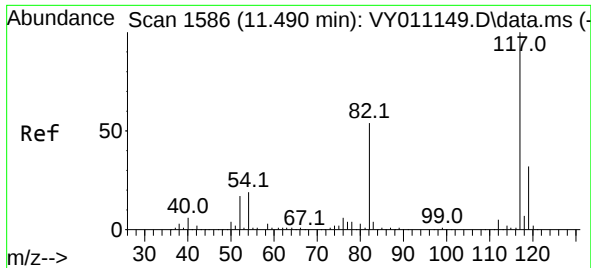
Tgt Ion: 92 Resp: 145
Ion Ratio Lower Upper
92 100
91 195.2 142.6 213.8



#62
4-Bromofluorobenzene
Concen: 14.680 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.012 min
Lab File: VY011159.D
Acq: 28 Oct 2022 16:10

Tgt Ion: 95 Resp: 297
Ion Ratio Lower Upper
95 100
174 105.7 0.0 177.0
176 102.0 0.0 175.8

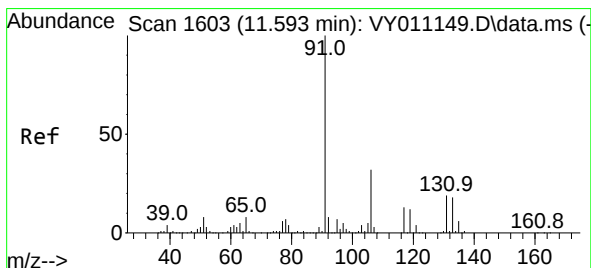
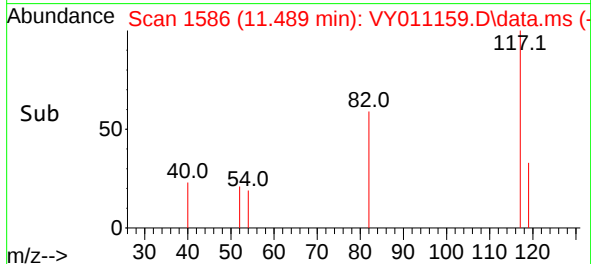
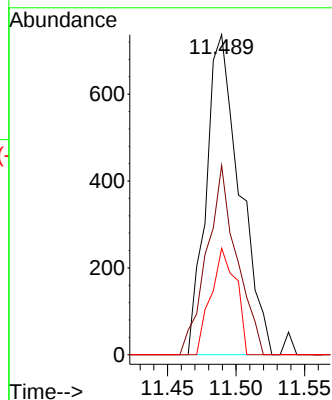
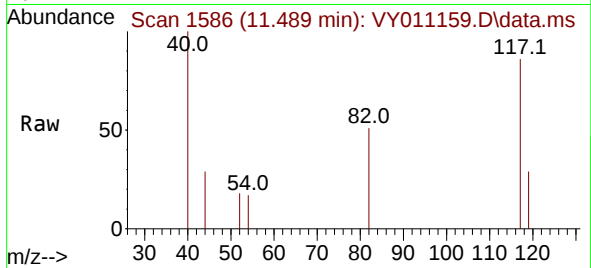




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY011159.D
Acq: 28 Oct 2022 16:10

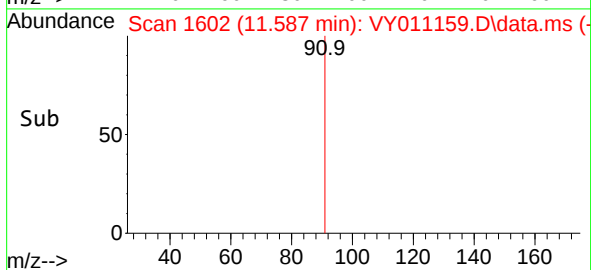
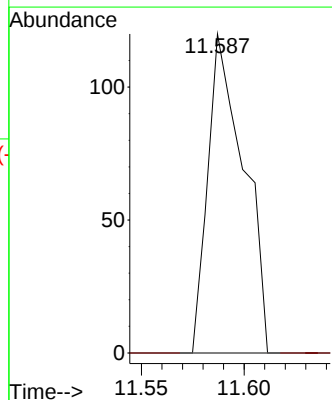
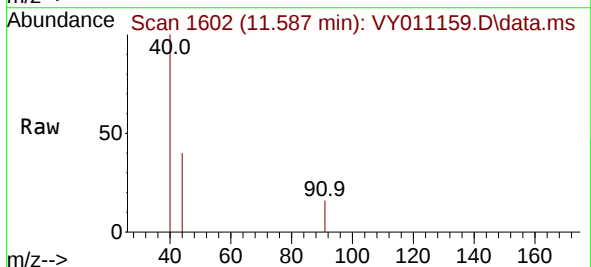
Instrument :
MSVOA_Y
ClientSampleId :
CL-02-102622

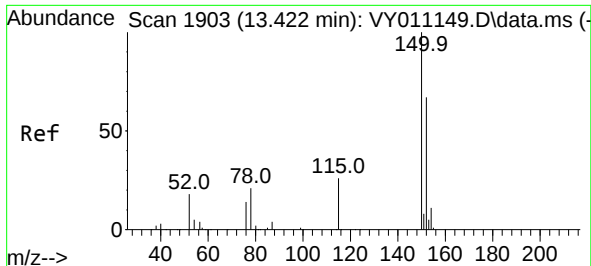
Tgt Ion:	117	Resp:	1261
Ion	Ratio	Lower	Upper
117	100		
82	59.2	43.0	64.4
119	33.2	25.4	38.0



#67
Ethyl Benzene
Concen: 3.599 ug/l
RT: 11.587 min Scan# 1602
Delta R.T. -0.006 min
Lab File: VY011159.D
Acq: 28 Oct 2022 16:10

Tgt Ion:	91	Resp:	146
Ion	Ratio	Lower	Upper
91	100		
106	0.0	24.5	36.7#

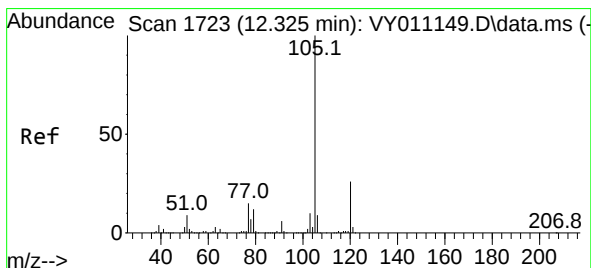
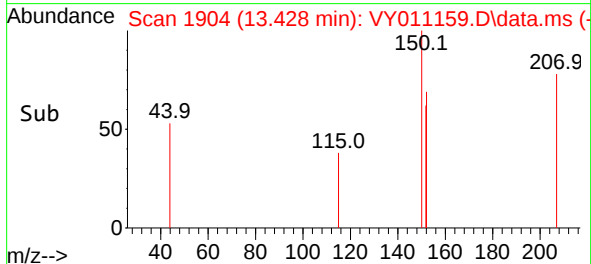
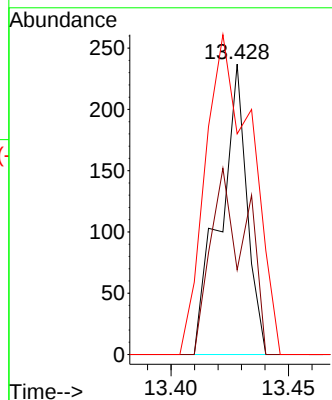
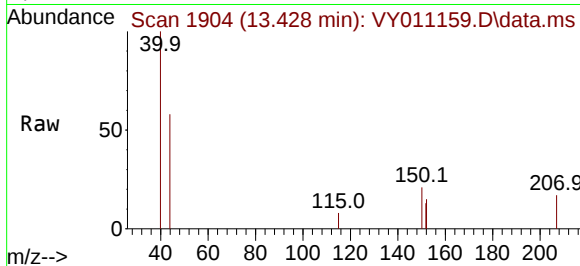




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY011159.D
Acq: 28 Oct 2022 16:10

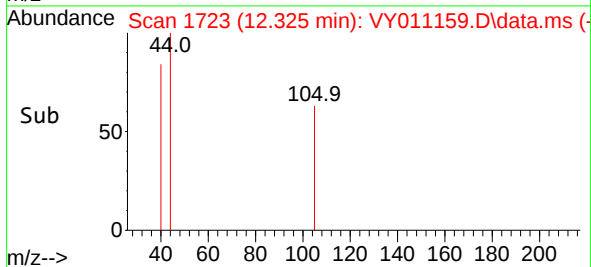
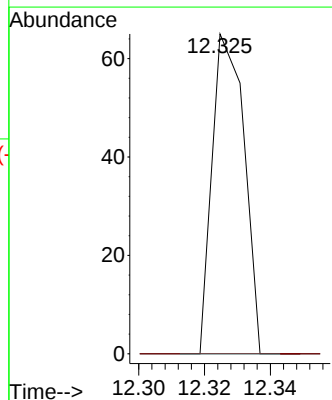
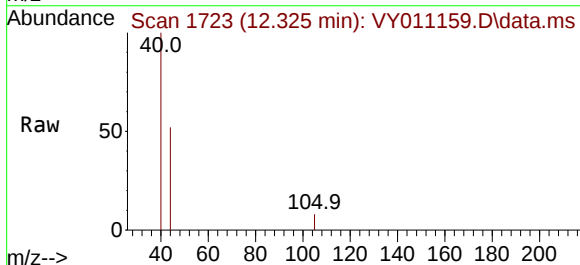
Instrument :
MSVOA_Y
ClientSampleId :
CL-02-102622

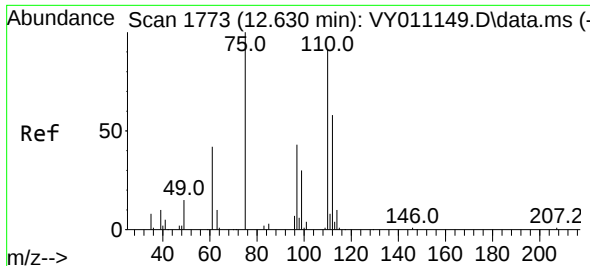
Tgt Ion:152 Resp: 188
Ion Ratio Lower Upper
152 100
115 84.6 28.2 84.7
150 188.8 0.0 347.6



#73
Isopropylbenzene
Concen: 3.585 ug/l
RT: 12.325 min Scan# 1723
Delta R.T. -0.000 min
Lab File: VY011159.D
Acq: 28 Oct 2022 16:10

Tgt Ion:105 Resp: 44
Ion Ratio Lower Upper
105 100
120 0.0 13.4 40.2#

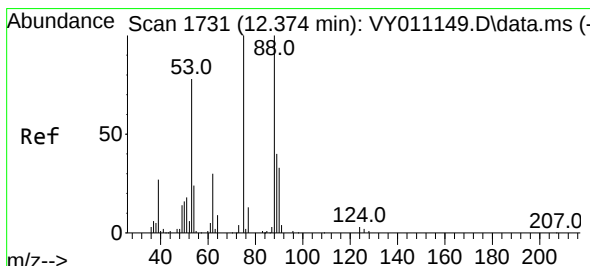
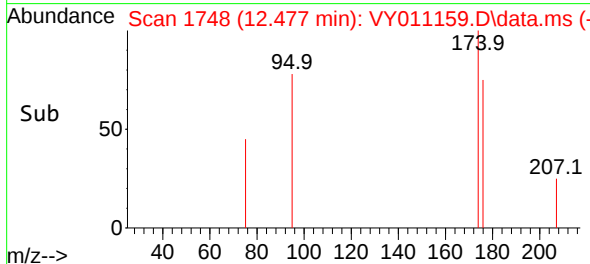
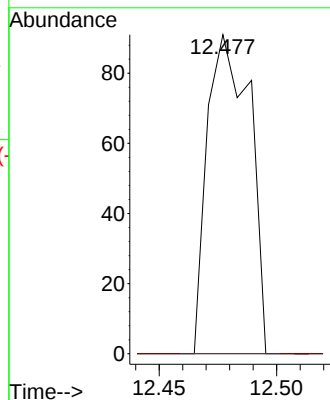
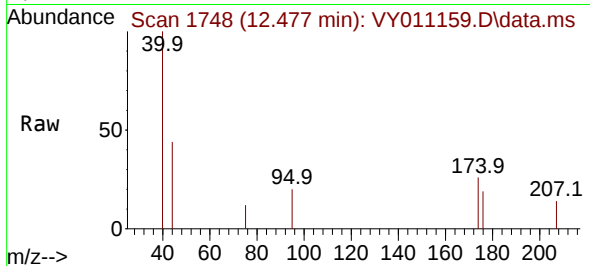




#76
1,2,3-Trichloropropane
Concen: 58.324 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY011159.D
Acq: 28 Oct 2022 16:10

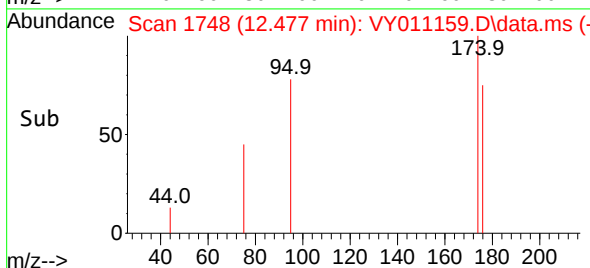
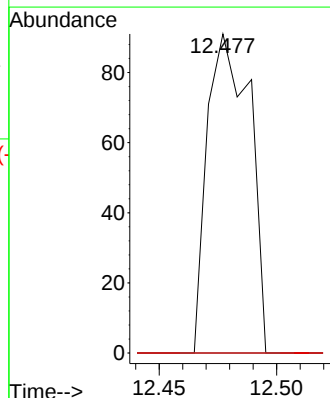
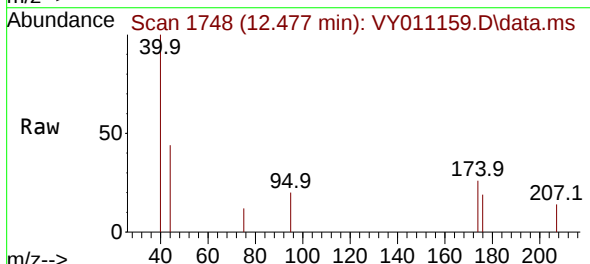
Instrument :
MSVOA_Y
ClientSampleId :
CL-02-102622

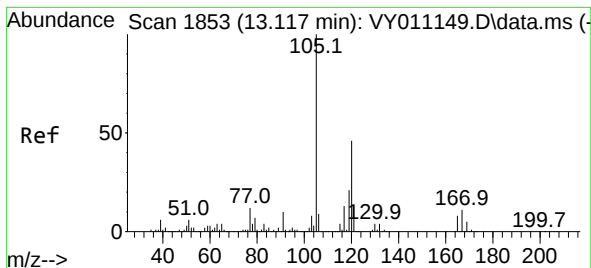
Tgt Ion: 75 Resp: 114
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 123.862 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY011159.D
Acq: 28 Oct 2022 16:10

Tgt Ion: 75 Resp: 114
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#





#84

1,2,4-Trimethylbenzene

Concen: 4.813 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY011159.D

Acq: 28 Oct 2022 16:10

Instrument :

MSVOA_Y

ClientSampleId :

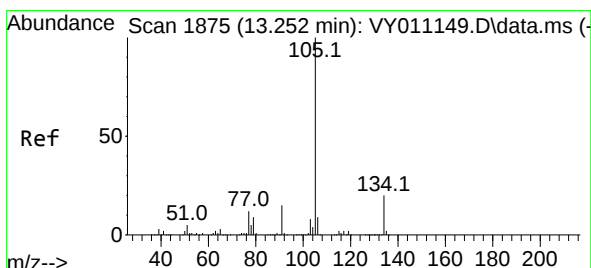
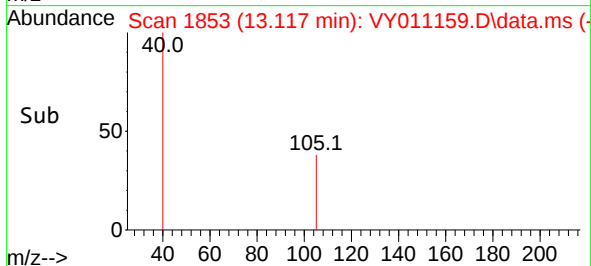
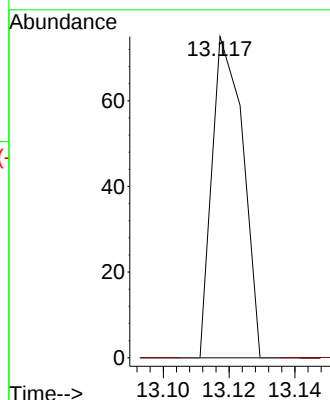
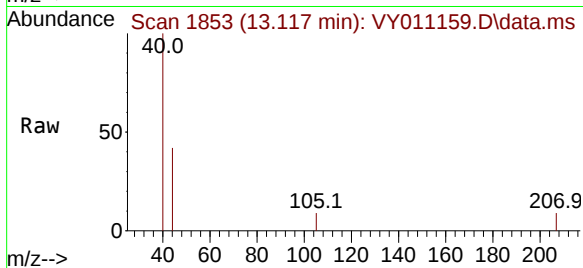
CL-02-102622

Tgt Ion:105 Resp: 49

Ion Ratio Lower Upper

105 100

120 0.0 22.3 66.9#



#85

sec-Butylbenzene

Concen: 3.630 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. -0.135 min

Lab File: VY011159.D

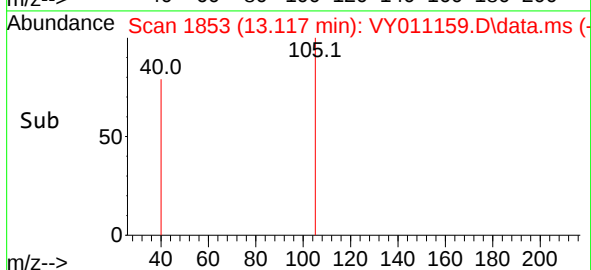
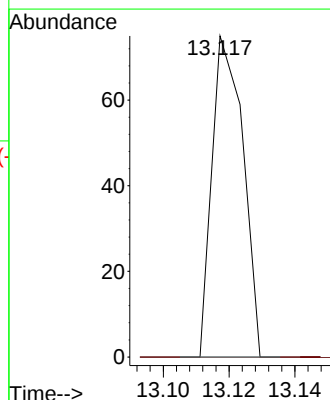
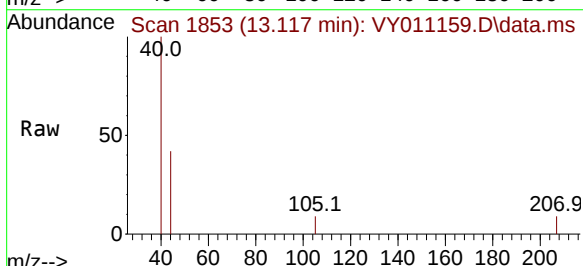
Acq: 28 Oct 2022 16:10

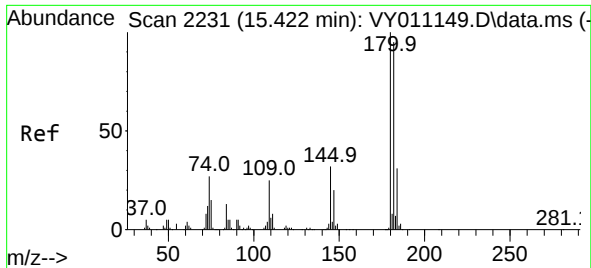
Tgt Ion:105 Resp: 49

Ion Ratio Lower Upper

105 100

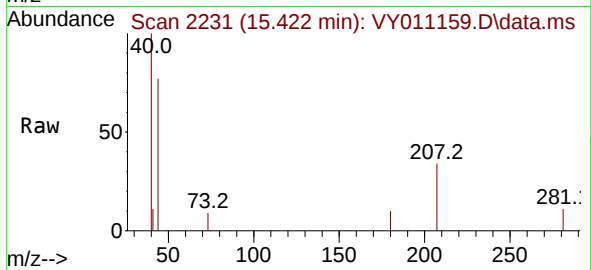
134 0.0 10.2 30.4#





#96
 1,2,3-Trichlorobenzene
 Concen: 30.459 ug/l
 RT: 15.422 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY011159.D
 Acq: 28 Oct 2022 16:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 CL-02-102622



Tgt Ion:180 Resp: 80
 Ion Ratio Lower Upper
 180 100
 182 26.3 47.3 141.9#
 145 0.0 15.3 45.9#

