

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042623\
 Data File : VY013470.D
 Acq On : 26 Apr 2023 13:56
 Operator : KP/MD
 Sample : 02401-01
 Misc : 5.19g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20230200-2-2

Quant Time: Apr 27 01:32:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

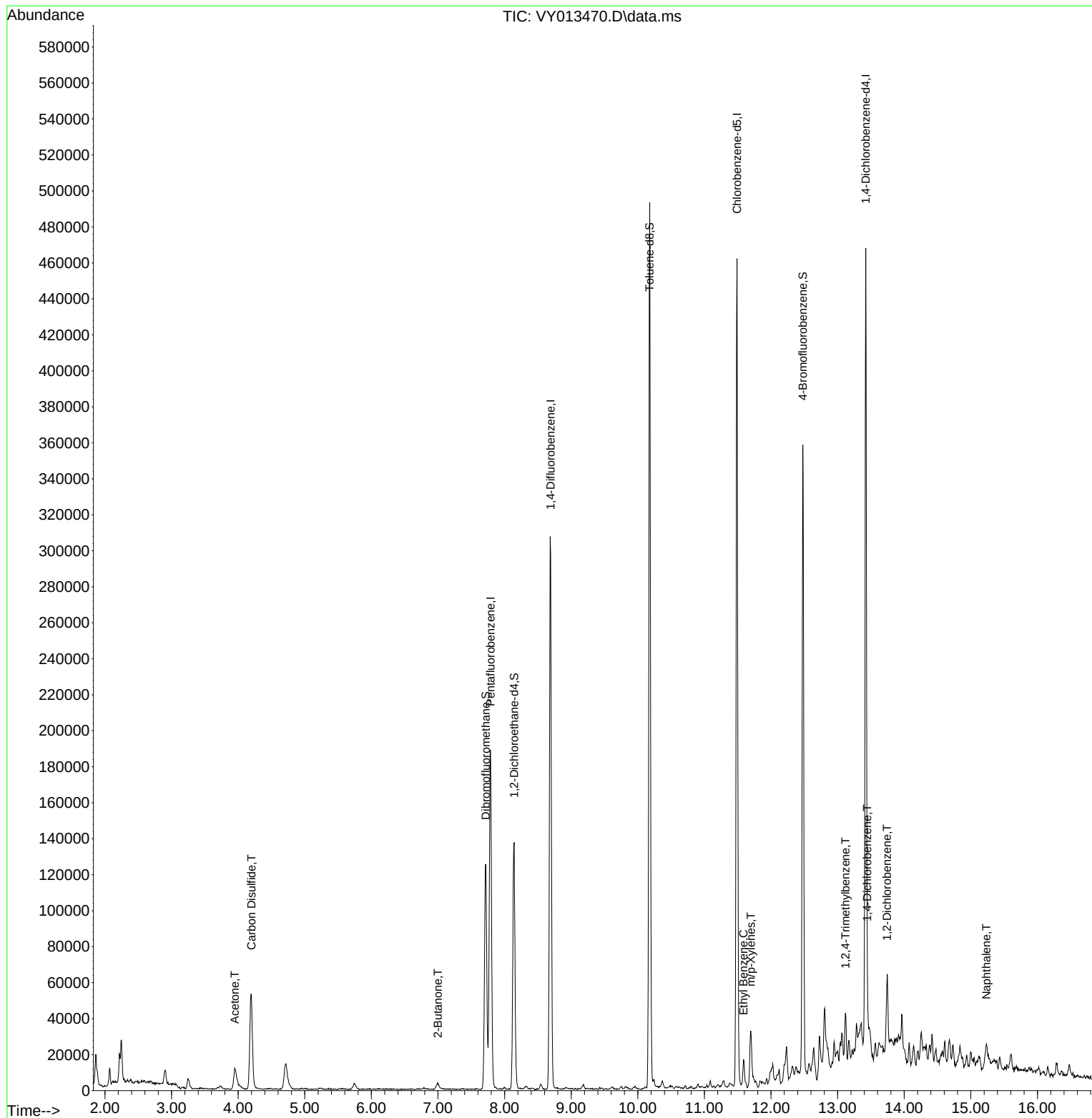
Internal Standards						
1) Pentafluorobenzene	7.789	168	137915	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	242206	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	226324	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	104581	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	106174	70.228	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 140.460%	
35) Dibromofluoromethane	7.716	113	86346	56.681	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.360%	
50) Toluene-d8	10.179	98	298783	55.134	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 110.260%	
62) 4-Bromofluorobenzene	12.477	95	101815	55.729	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 111.460%	
Target Compounds						
					Qvalue	
16) Acetone	3.948	43	24733	41.541	ug/l	98
17) Carbon Disulfide	4.198	76	107130	23.009	ug/l	98
25) 2-Butanone	6.996	43	5176	6.855	ug/l	90
67) Ethyl Benzene	11.587	91	10007	1.156	ug/l #	87
68) m/p-Xylenes	11.697	106	8055	2.447	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	13971	2.226	ug/l	97
88) 1,4-Dichlorobenzene	13.447	146	5281	1.432	ug/l #	60
91) 1,2-Dichlorobenzene	13.739	146	5740	1.741	ug/l	89
95) Naphthalene	15.233	128	8970	2.103	ug/l #	95

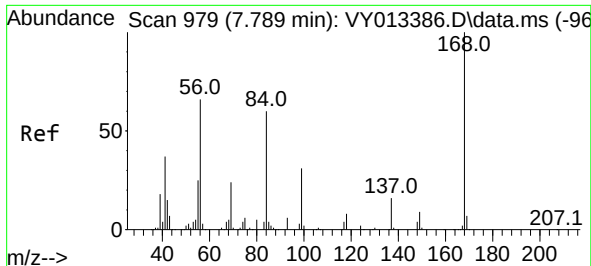
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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20230200-2-2

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Quant Title : SW846 8260
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Response via : Initial Calibration

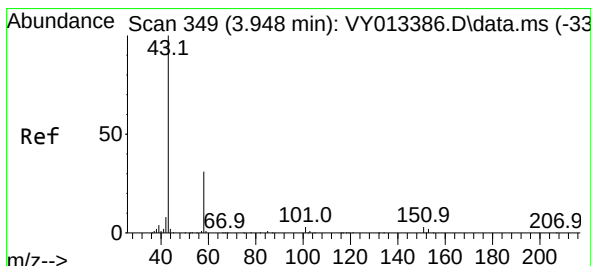
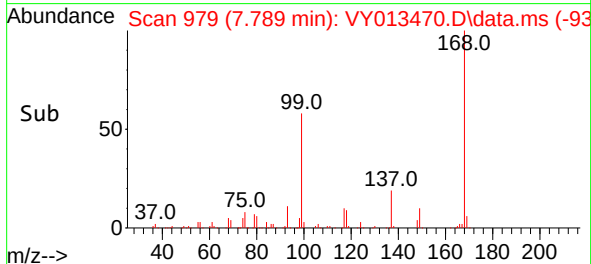
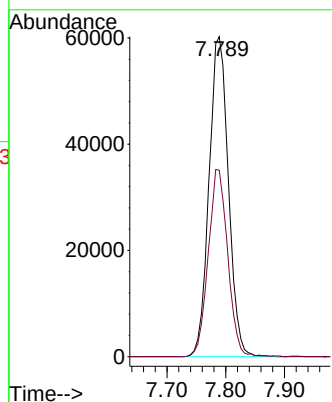
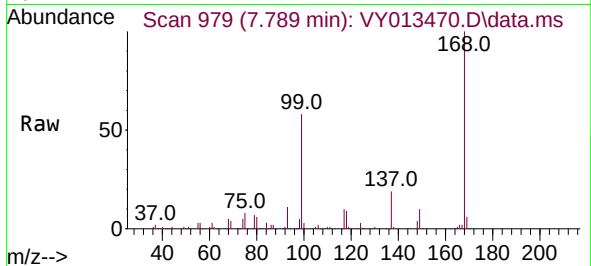




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013470.D
Acq: 26 Apr 2023 13:56

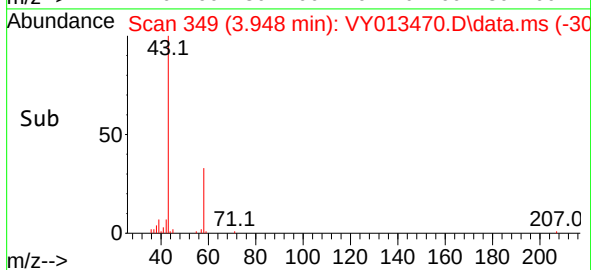
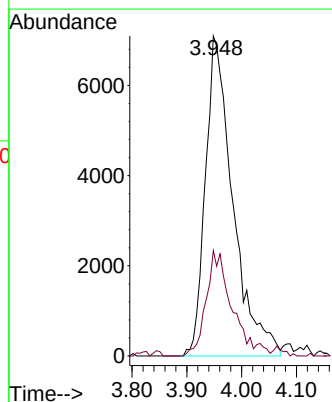
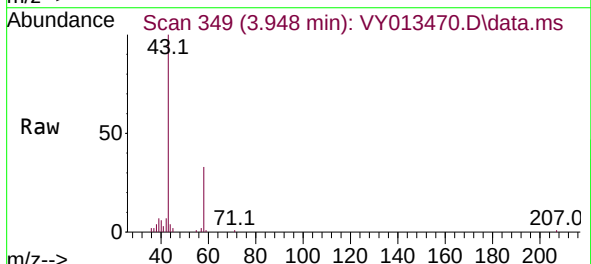
Instrument :
MSVOA_Y
ClientSampleId :
20230200-2-2

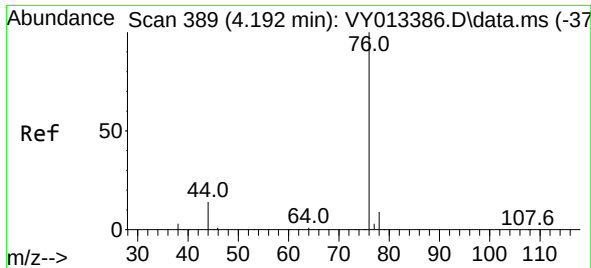
Tgt Ion:168 Resp: 137915
Ion Ratio Lower Upper
168 100
99 58.3 41.8 62.6



#16
Acetone
Concen: 41.541 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY013470.D
Acq: 26 Apr 2023 13:56

Tgt Ion: 43 Resp: 24733
Ion Ratio Lower Upper
43 100
58 32.9 25.4 38.0





#17

Carbon Disulfide

Concen: 23.009 ug/l

RT: 4.198 min Scan# 389

Delta R.T. 0.006 min

Lab File: VY013470.D

Acq: 26 Apr 2023 13:56

Instrument :

MSVOA_Y

ClientSampleId :

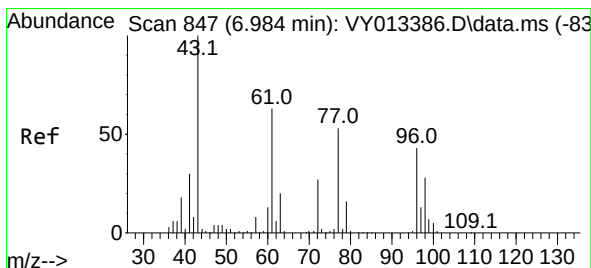
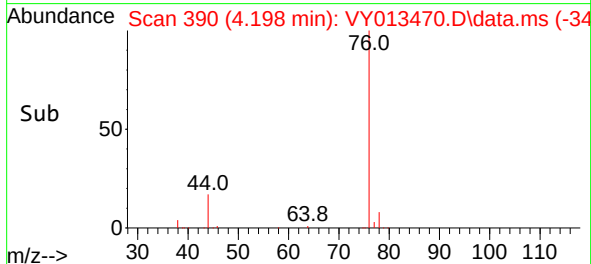
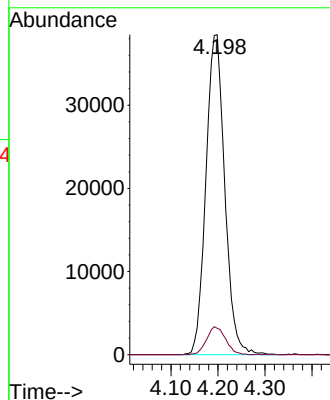
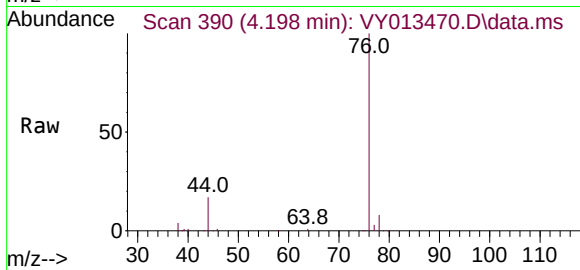
20230200-2-2

Tgt Ion: 76 Resp: 107130

Ion Ratio Lower Upper

76 100

78 8.3 7.2 10.8



#25

2-Butanone

Concen: 6.855 ug/l

RT: 6.996 min Scan# 849

Delta R.T. 0.012 min

Lab File: VY013470.D

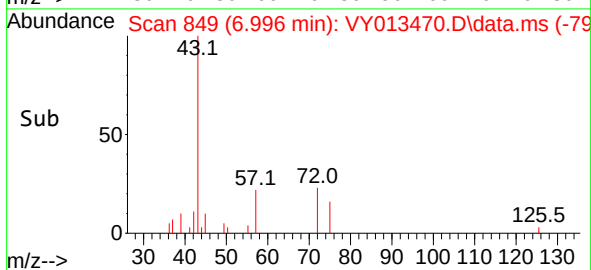
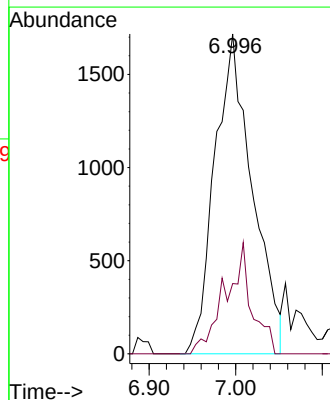
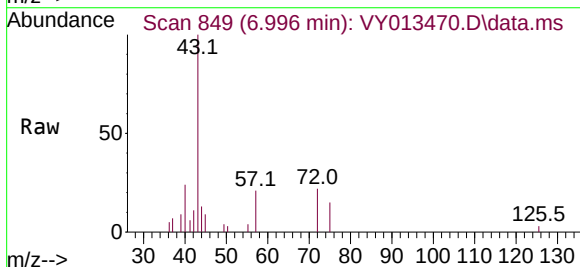
Acq: 26 Apr 2023 13:56

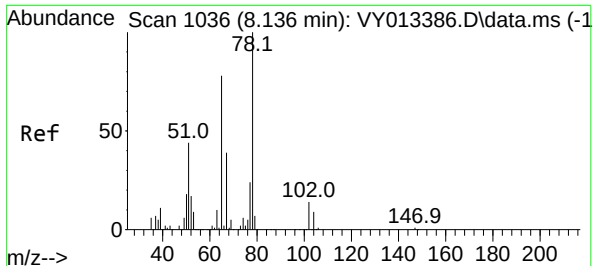
Tgt Ion: 43 Resp: 5176

Ion Ratio Lower Upper

43 100

72 22.0 21.9 32.9





#33

1,2-Dichloroethane-d4

Concen: 70.228 ug/l

RT: 8.143 min Scan# 1036

Delta R.T. 0.007 min

Lab File: VY013470.D

Acq: 26 Apr 2023 13:56

Instrument :

MSVOA_Y

ClientSampleId :

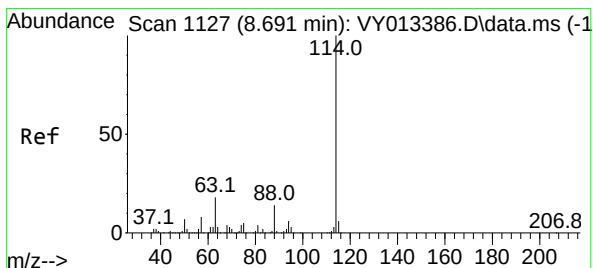
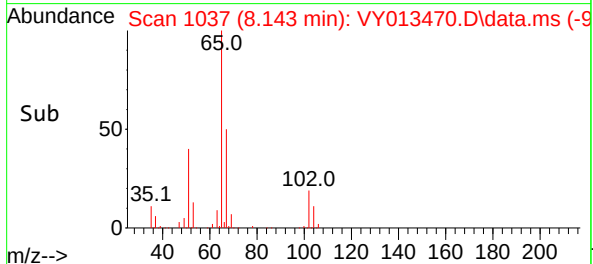
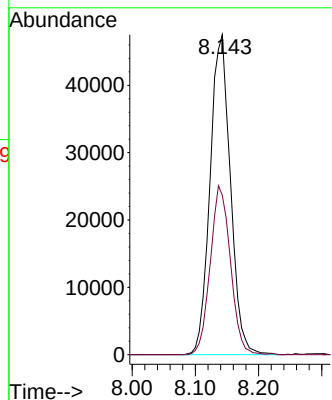
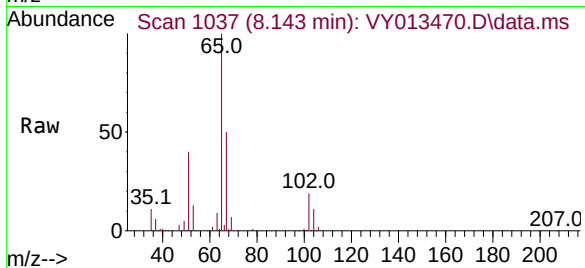
20230200-2-2

Tgt Ion: 65 Resp: 106174

Ion Ratio Lower Upper

65 100

67 52.2 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013470.D

Acq: 26 Apr 2023 13:56

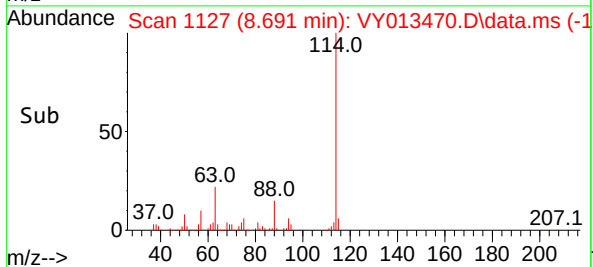
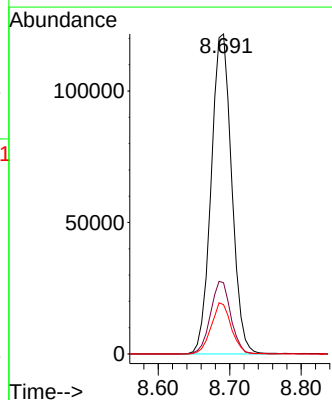
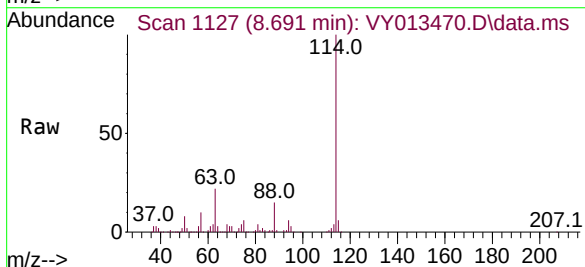
Tgt Ion: 114 Resp: 242206

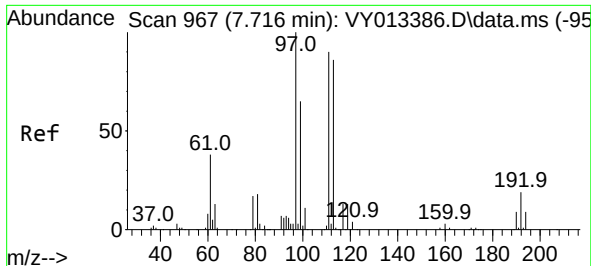
Ion Ratio Lower Upper

114 100

63 22.3 0.0 36.6

88 15.4 0.0 28.8

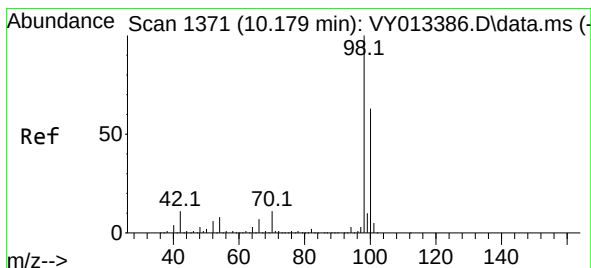
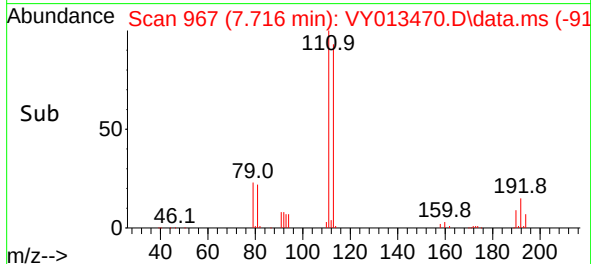
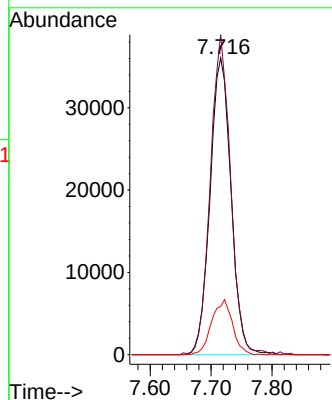
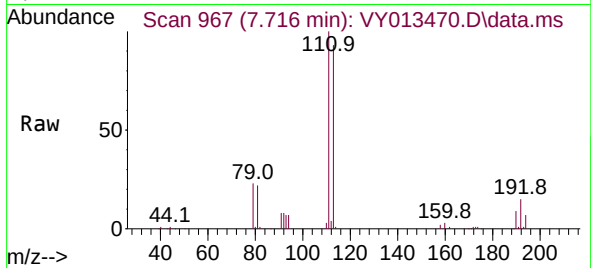




#35
Dibromofluoromethane
Concen: 56.681 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY013470.D
Acq: 26 Apr 2023 13:56

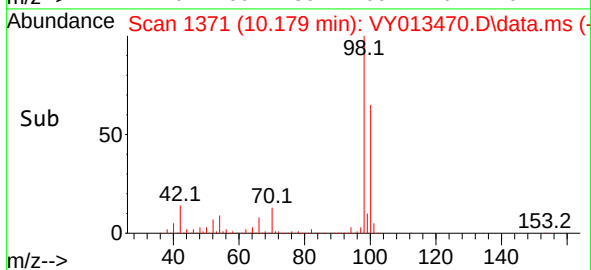
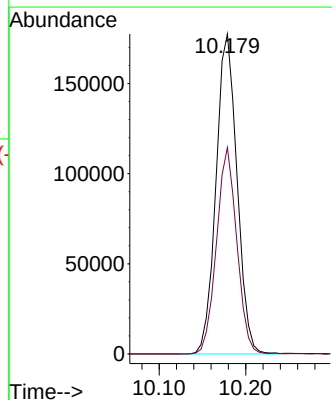
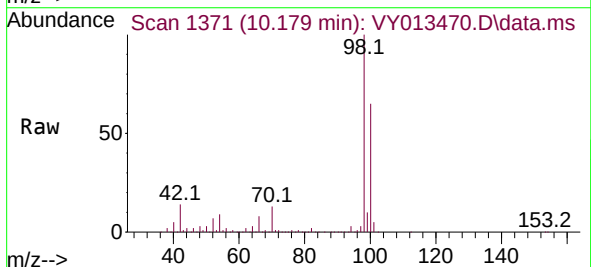
Instrument :
MSVOA_Y
ClientSampleId :
20230200-2-2

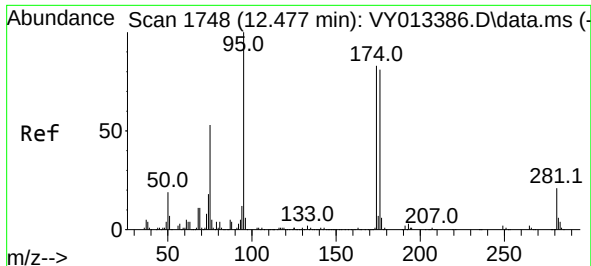
Tgt Ion:113 Resp: 86346
Ion Ratio Lower Upper
113 100
111 104.5 82.2 123.2
192 18.4 16.7 25.1



#50
Toluene-d8
Concen: 55.134 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013470.D
Acq: 26 Apr 2023 13:56

Tgt Ion: 98 Resp: 298783
Ion Ratio Lower Upper
98 100
100 62.3 50.5 75.7

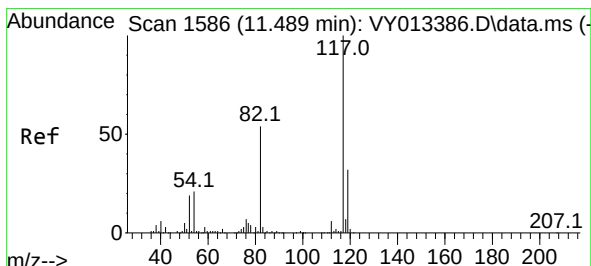
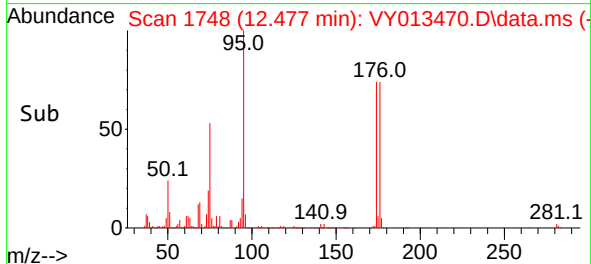
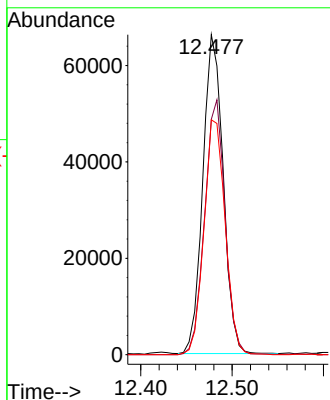
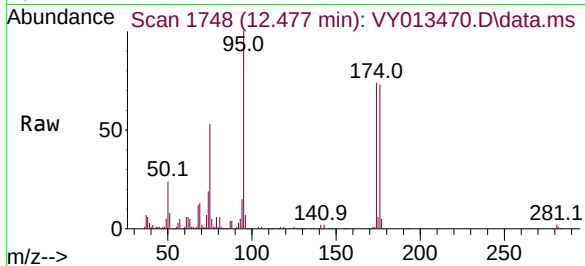




#62
4-Bromofluorobenzene
Concen: 55.729 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY013470.D
Acq: 26 Apr 2023 13:56

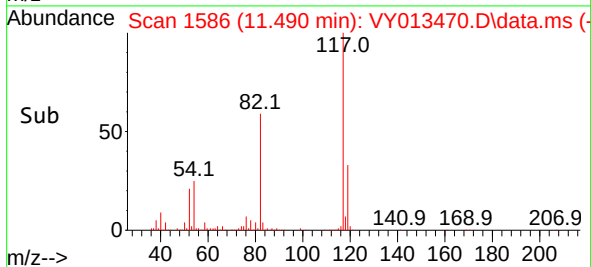
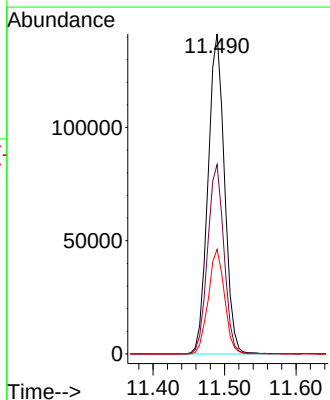
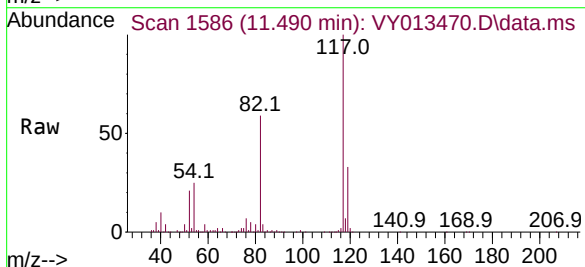
Instrument :
MSVOA_Y
ClientSampleId :
20230200-2-2

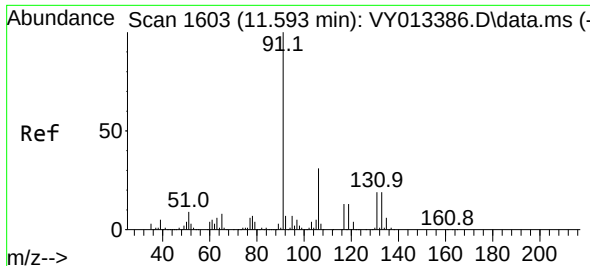
Tgt Ion: 95 Resp: 101815
Ion Ratio Lower Upper
95 100
174 80.4 0.0 182.0
176 77.1 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY013470.D
Acq: 26 Apr 2023 13:56

Tgt Ion: 117 Resp: 226324
Ion Ratio Lower Upper
117 100
82 59.2 43.0 64.6
119 32.7 25.5 38.3





#67

Ethyl Benzene

Concen: 1.156 ug/l

RT: 11.587 min Scan# 1602

Delta R.T. -0.006 min

Lab File: VY013470.D

Acq: 26 Apr 2023 13:56

Instrument :

MSVOA_Y

ClientSampleId :

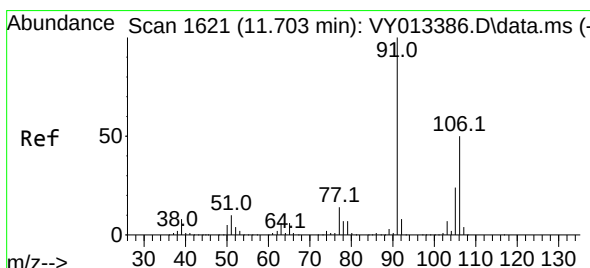
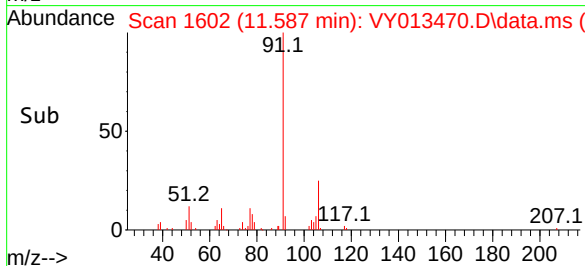
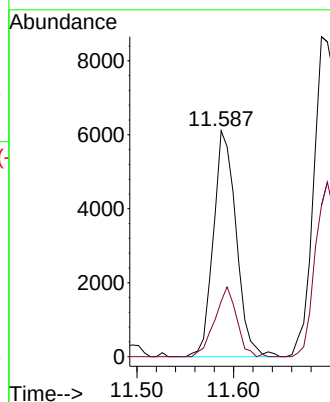
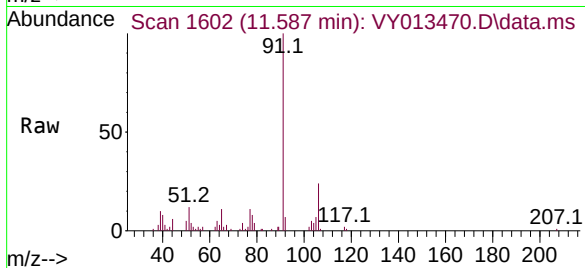
20230200-2-2

Tgt Ion: 91 Resp: 10007

Ion Ratio Lower Upper

91 100

106 24.5 25.1 37.7#



#68

m/p-Xylenes

Concen: 2.447 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. -0.006 min

Lab File: VY013470.D

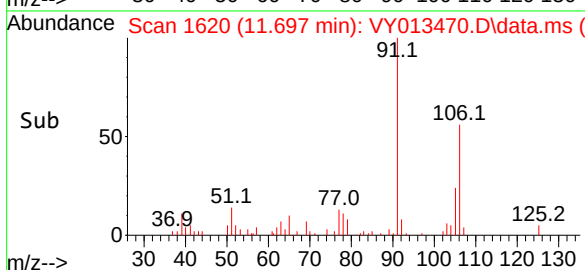
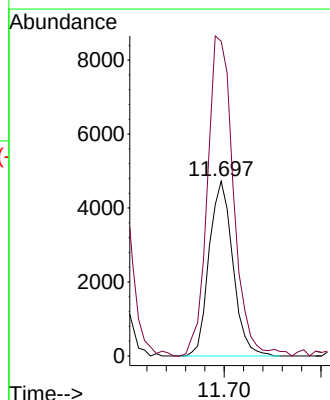
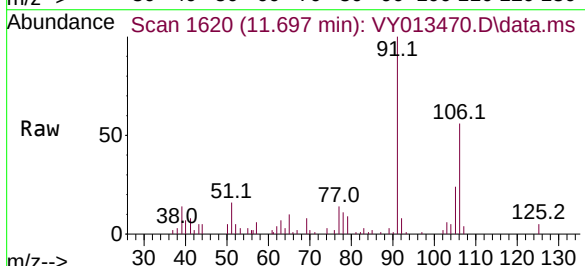
Acq: 26 Apr 2023 13:56

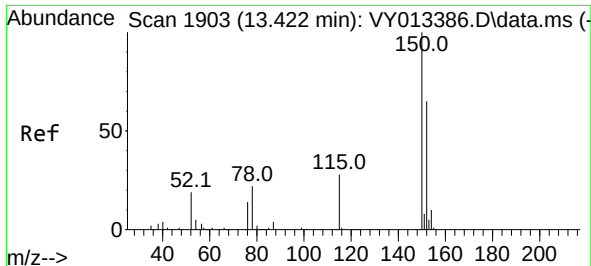
Tgt Ion: 106 Resp: 8055

Ion Ratio Lower Upper

106 100

91 201.0 160.9 241.3

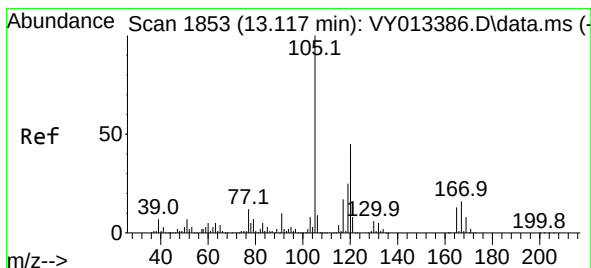
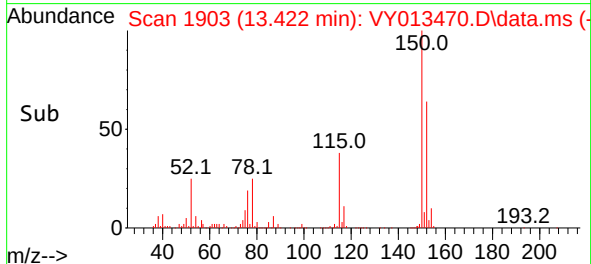
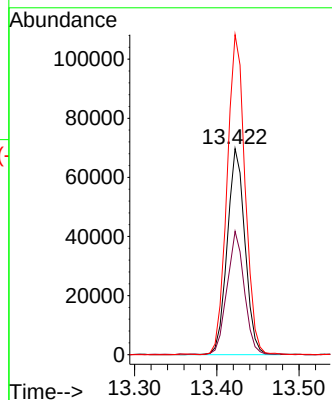
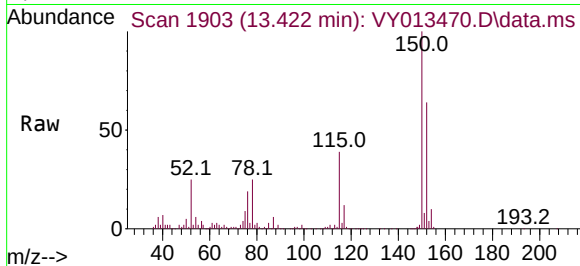




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY013470.D
 Acq: 26 Apr 2023 13:56

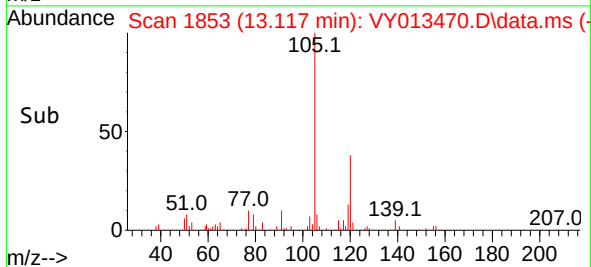
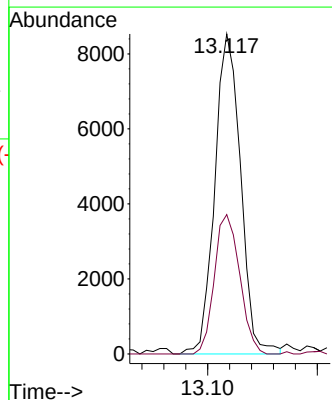
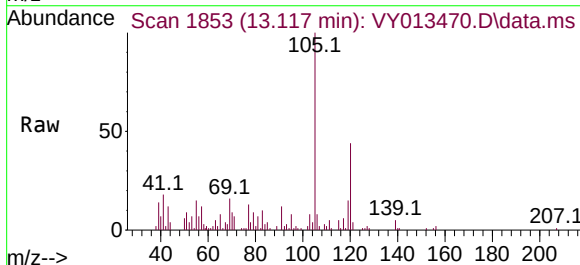
Instrument :
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 20230200-2-2

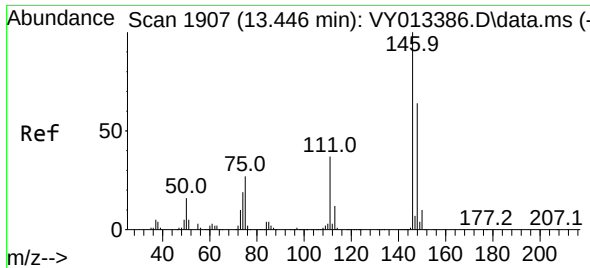
Tgt Ion:152 Resp: 104581
 Ion Ratio Lower Upper
 152 100
 115 58.5 28.1 84.2
 150 158.0 0.0 352.0



#84
 1,2,4-Trimethylbenzene
 Concen: 2.226 ug/l
 RT: 13.117 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: VY013470.D
 Acq: 26 Apr 2023 13:56

Tgt Ion:105 Resp: 13971
 Ion Ratio Lower Upper
 105 100
 120 42.7 22.3 66.9

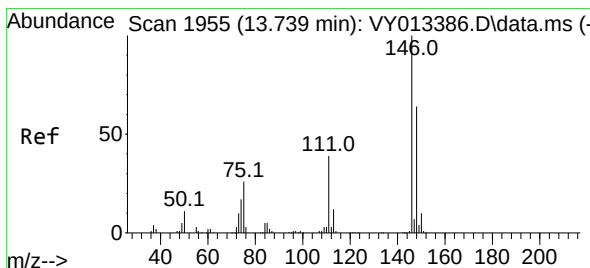
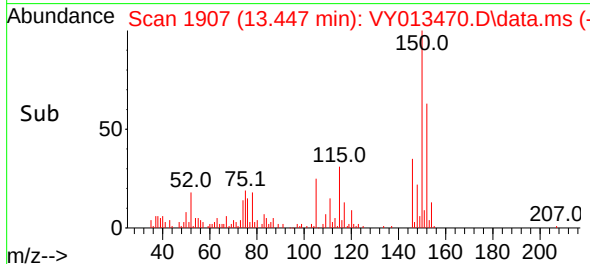
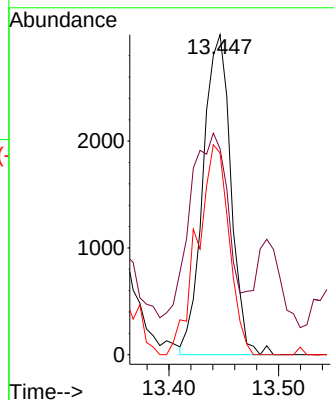
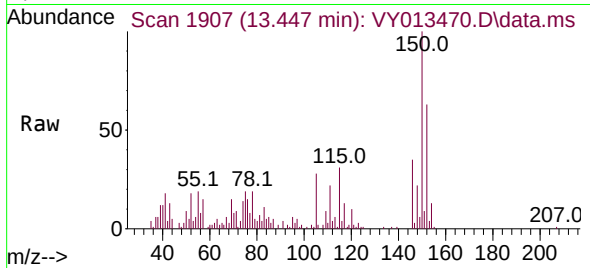




#88
 1,4-Dichlorobenzene
 Concen: 1.432 ug/l
 RT: 13.447 min Scan# 1907
 Delta R.T. 0.001 min
 Lab File: VY013470.D
 Acq: 26 Apr 2023 13:56

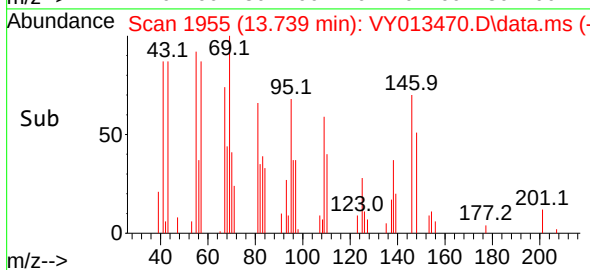
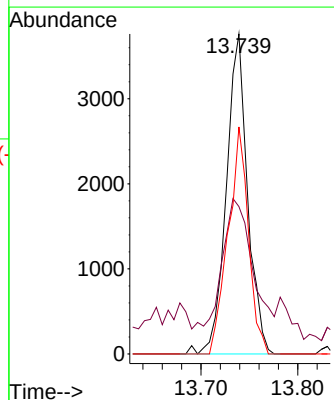
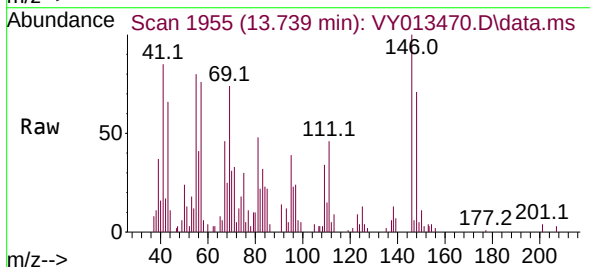
Instrument :
 MSVOA_Y
 ClientSampleId :
 20230200-2-2

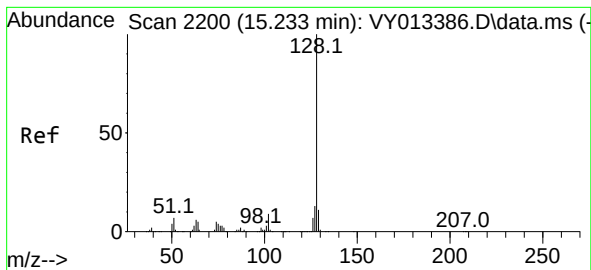
Tgt Ion:146 Resp: 5281
 Ion Ratio Lower Upper
 146 100
 111 87.4 18.9 56.5#
 148 74.8 31.9 95.5



#91
 1,2-Dichlorobenzene
 Concen: 1.741 ug/l
 RT: 13.739 min Scan# 1955
 Delta R.T. 0.000 min
 Lab File: VY013470.D
 Acq: 26 Apr 2023 13:56

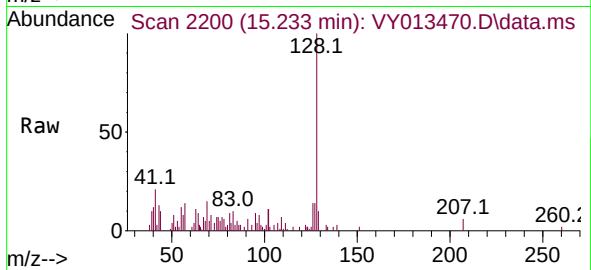
Tgt Ion:146 Resp: 5740
 Ion Ratio Lower Upper
 146 100
 111 51.7 19.8 59.4
 148 67.7 31.8 95.4





#95
Naphthalene
Concen: 2.103 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY013470.D
Acq: 26 Apr 2023 13:56

Instrument :
MSVOA_Y
ClientSampleId :
20230200-2-2



Tgt Ion:128 Resp: 8970
Ion Ratio Lower Upper
128 100
127 16.1 10.7 16.1#
129 9.9 8.8 13.2

