

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042123\
 Data File : VX035239.D
 Acq On : 21 Apr 2023 18:22
 Operator : JC/MD
 Sample : 02386-01DL 4X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SPA-1WC-23-04DL

Quant Time: Apr 22 01:07:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 01 01:50:18 2023
 Response via : Initial Calibration

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

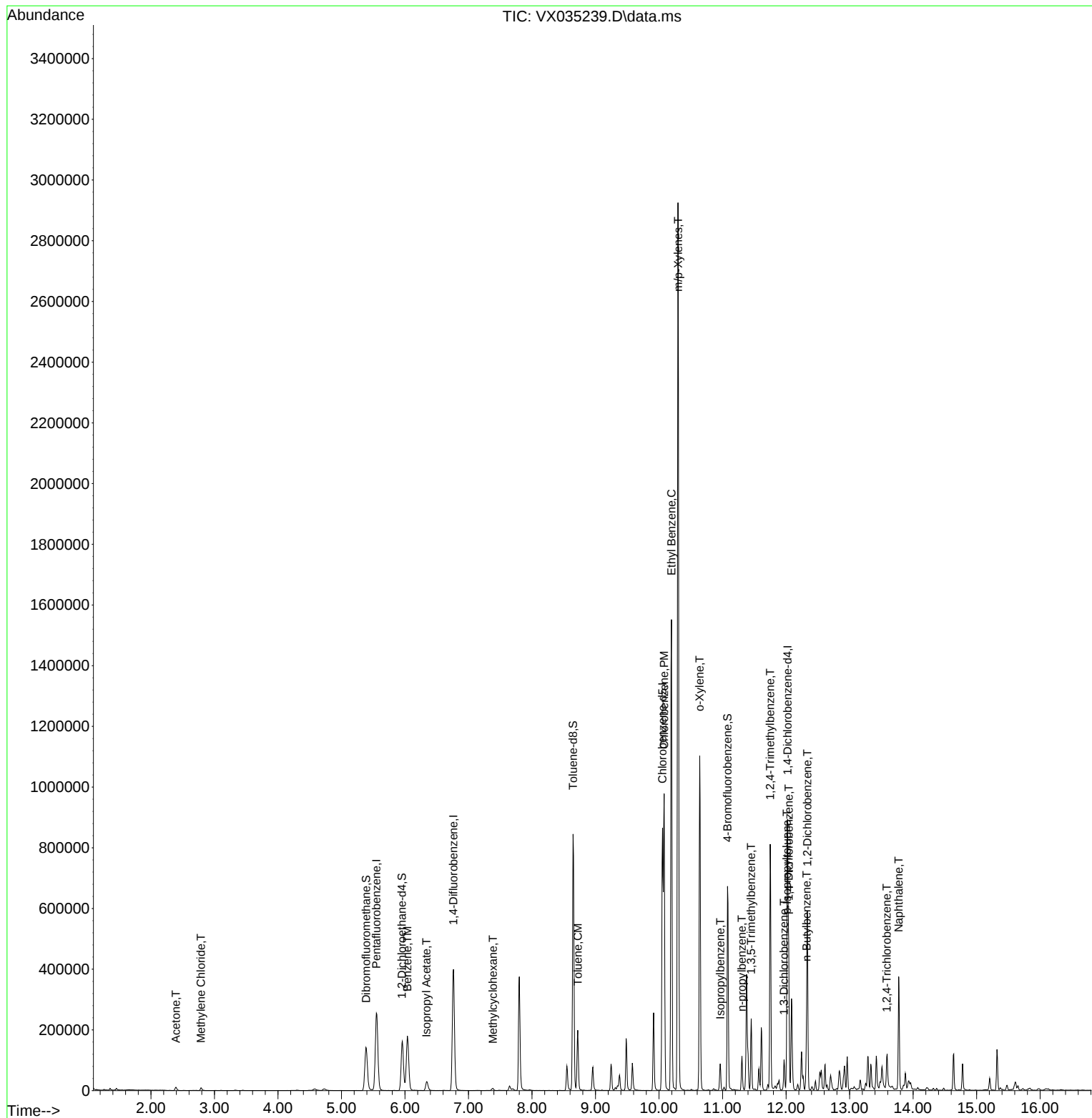
Internal Standards						
1) Pentafluorobenzene	5.550	168	250176	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	418430	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	384047	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	178517	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	154459	40.370	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	80.740%		
35) Dibromofluoromethane	5.385	113	126481	45.701	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.400%		
50) Toluene-d8	8.647	98	501110	49.055	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.100%		
62) 4-Bromofluorobenzene	11.079	95	188273	47.627	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.260%		
Target Compounds					Qvalue	
16) Acetone	2.392	43	13846	8.908	ug/l	91
20) Methylene Chloride	2.788	84	4048	1.320	ug/l	94
39) Methylcyclohexane	7.385	83	3142	0.722	ug/l #	80
40) Benzene	6.037	78	220149	18.704	ug/l	98
43) Isopropyl Acetate	6.336	43	41622	5.803	ug/l	97
52) Toluene	8.720	92	73909	9.631	ug/l	99
65) Chlorobenzene	10.079	112	414129	51.827	ug/l	100
67) Ethyl Benzene	10.195	91	893452	61.722	ug/l	100
68) m/p-Xylenes	10.299	106	655760	118.594	ug/l	98
69) o-Xylene	10.640	106	234141	43.225	ug/l	100
73) Isopropylbenzene	10.963	105	46110	3.526	ug/l	99
78) n-propylbenzene	11.305	91	62350	4.128	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	98905	9.046	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	352178	31.675	ug/l	99
86) p-Isopropyltoluene	12.012	119	15421	1.481	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	23874	4.046	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	137506	22.312	ug/l	99
89) n-Butylbenzene	12.323	91	10628	1.168	ug/l #	23
91) 1,2-Dichlorobenzene	12.335	146	178359	30.181	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	12523	3.747	ug/l	97
95) Naphthalene	13.774	128	227469	19.153	ug/l	100

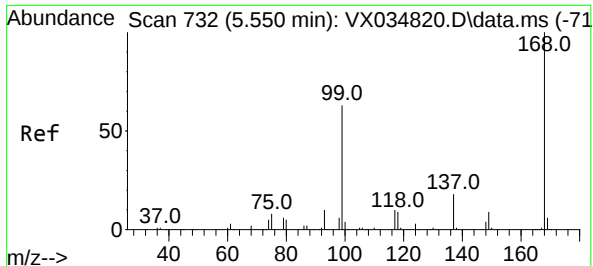
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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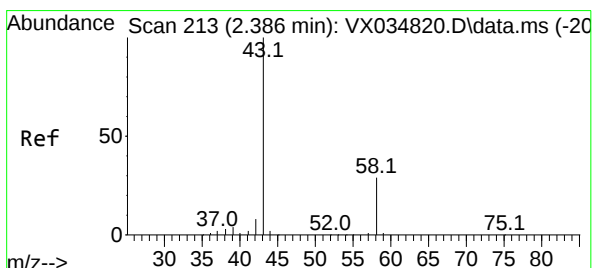
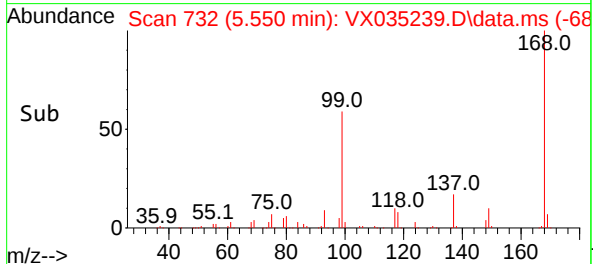
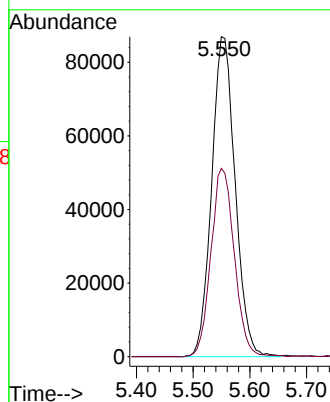
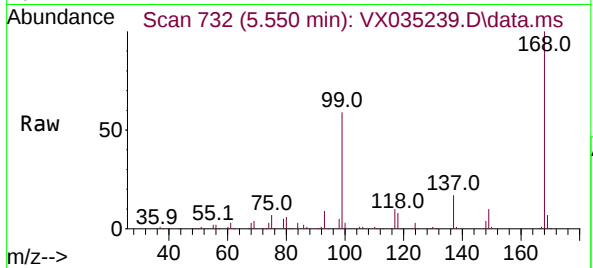




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX035239.D
Acq: 21 Apr 2023 18:22

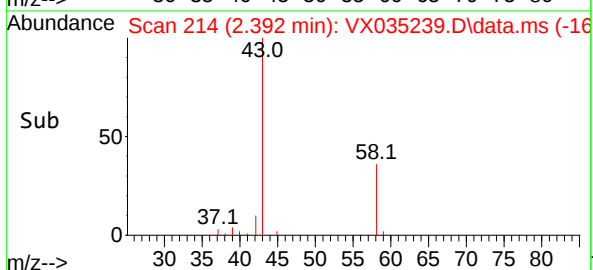
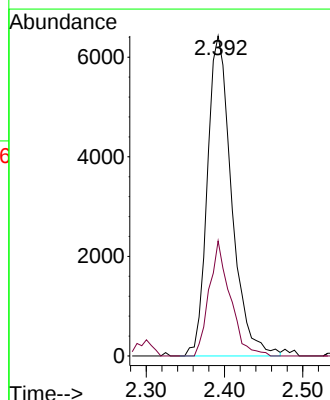
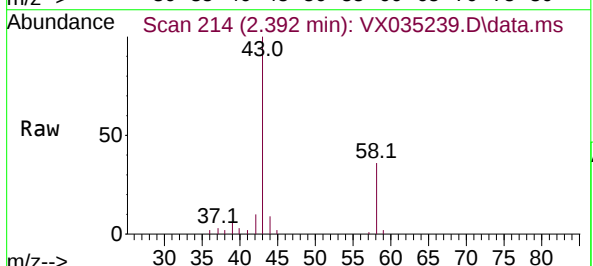
Instrument :
MSVOA_X
ClientSampleId :
SPA-1WC-23-04DL

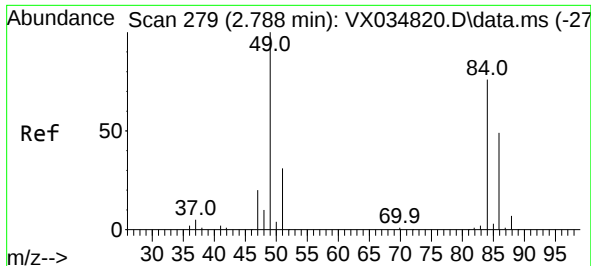
Tgt Ion:168 Resp: 250176
Ion Ratio Lower Upper
168 100
99 58.9 45.7 68.5



#16
Acetone
Concen: 8.908 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX035239.D
Acq: 21 Apr 2023 18:22

Tgt Ion: 43 Resp: 13846
Ion Ratio Lower Upper
43 100
58 36.0 24.7 37.1

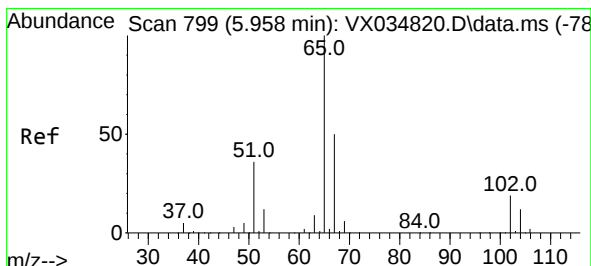
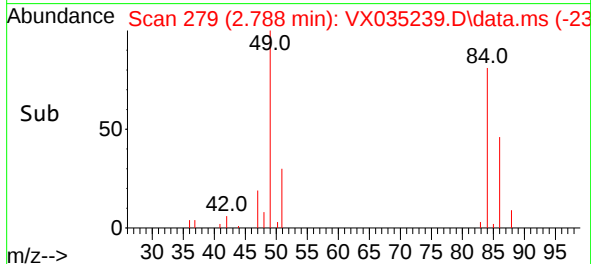
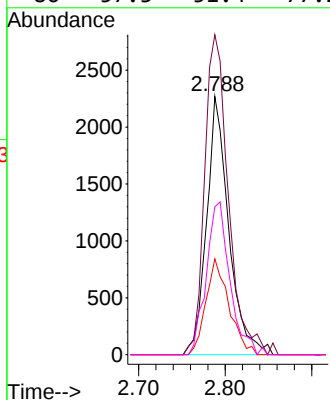
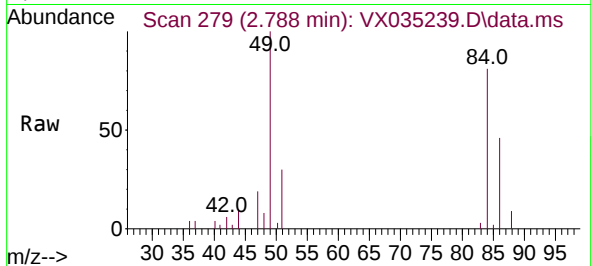




#20
Methylene Chloride
Concen: 1.320 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX035239.D
Acq: 21 Apr 2023 18:22

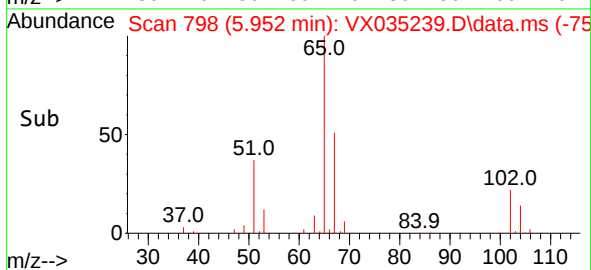
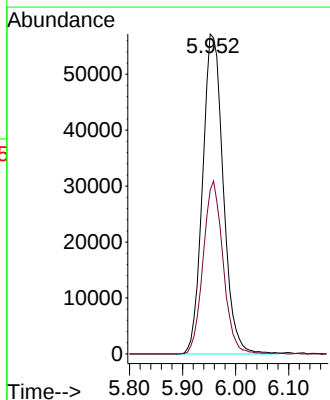
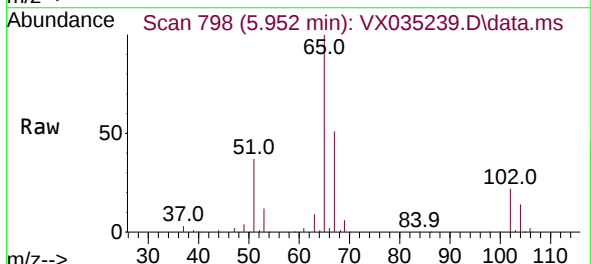
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ClientSampleId :
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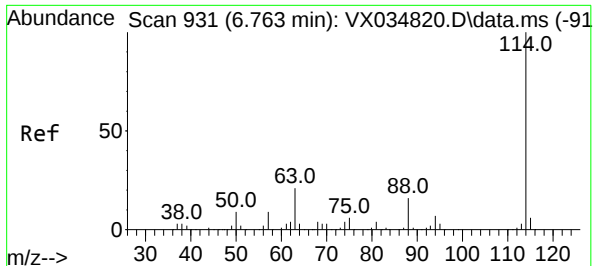
Tgt Ion:	84	Resp:	4048
Ion	Ratio	Lower	Upper
84	100		
49	123.9	103.8	155.8
51	37.1	31.8	47.8
86	57.3	51.4	77.2



#33
1,2-Dichloroethane-d4
Concen: 40.370 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX035239.D
Acq: 21 Apr 2023 18:22

Tgt Ion:	65	Resp:	154459
Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	104.0

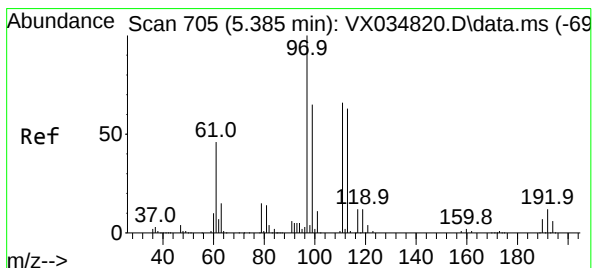
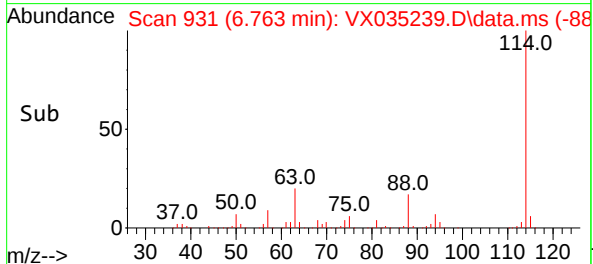
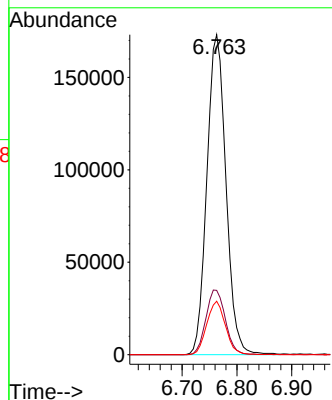
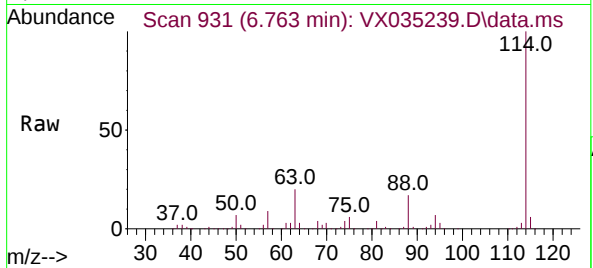




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX035239.D
Acq: 21 Apr 2023 18:22

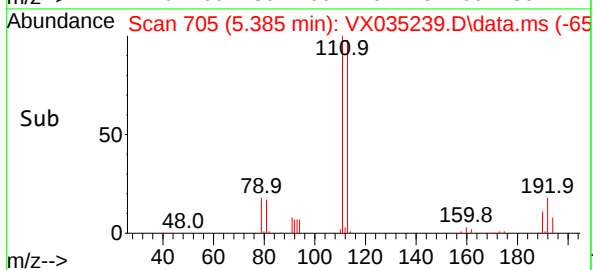
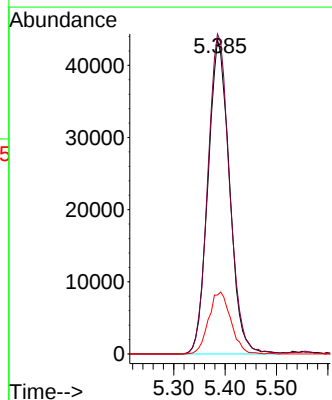
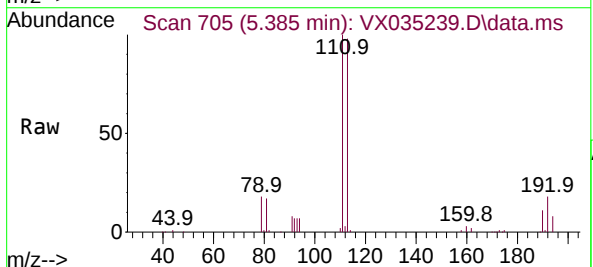
Instrument :
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ClientSampleId :
SPA-1WC-23-04DL

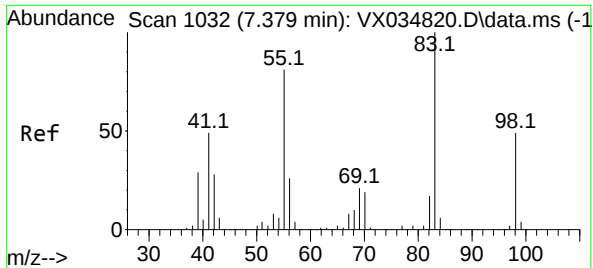
Tgt Ion:114 Resp: 418430
Ion Ratio Lower Upper
114 100
63 20.1 0.0 42.2
88 16.7 0.0 33.2



#35
Dibromofluoromethane
Concen: 45.701 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX035239.D
Acq: 21 Apr 2023 18:22

Tgt Ion:113 Resp: 126481
Ion Ratio Lower Upper
113 100
111 102.9 83.7 125.5
192 20.3 15.4 23.2





#39

Methylcyclohexane

Concen: 0.722 ug/l

RT: 7.385 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX035239.D

Acq: 21 Apr 2023 18:22

Instrument :

MSVOA_X

ClientSampleId :

SPA-1WC-23-04DL

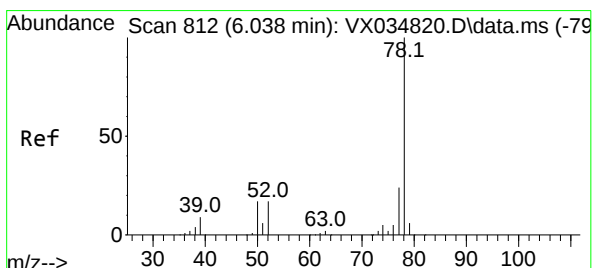
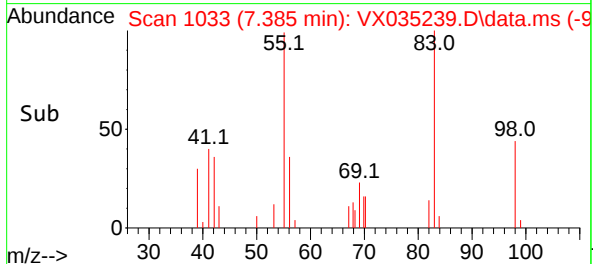
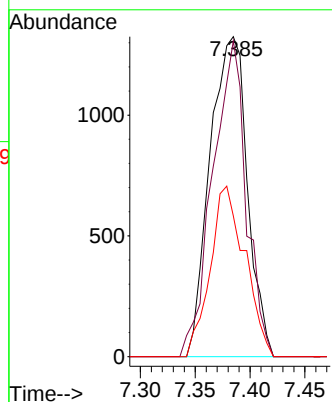
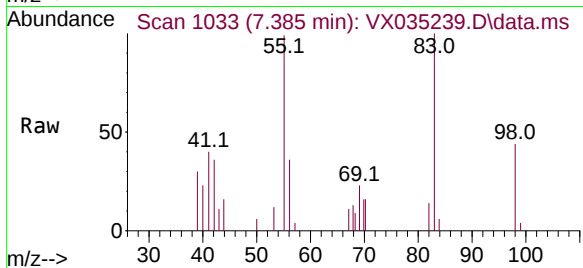
Tgt Ion: 83 Resp: 3142

Ion Ratio Lower Upper

83 100

55 98.7 60.5 90.7#

98 44.0 40.4 60.6



#40

Benzene

Concen: 18.704 ug/l

RT: 6.037 min Scan# 812

Delta R.T. -0.000 min

Lab File: VX035239.D

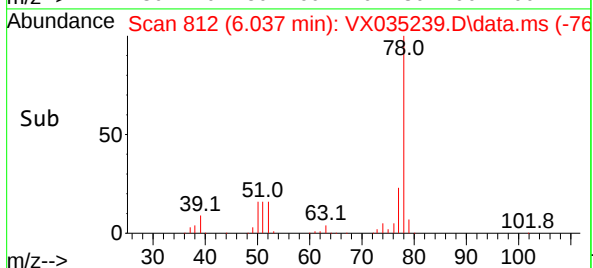
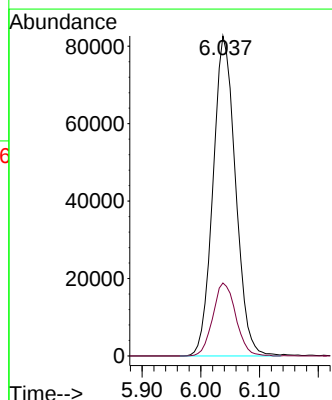
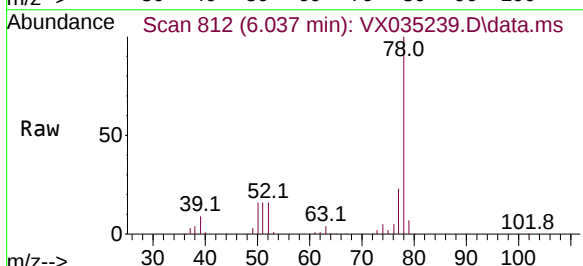
Acq: 21 Apr 2023 18:22

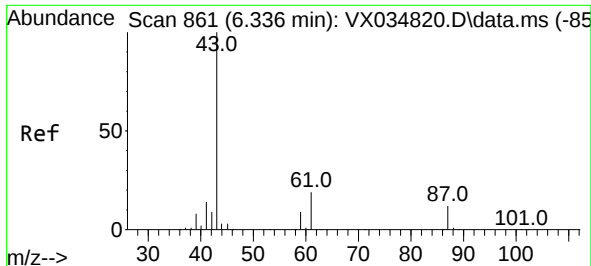
Tgt Ion: 78 Resp: 220149

Ion Ratio Lower Upper

78 100

77 22.8 19.0 28.4

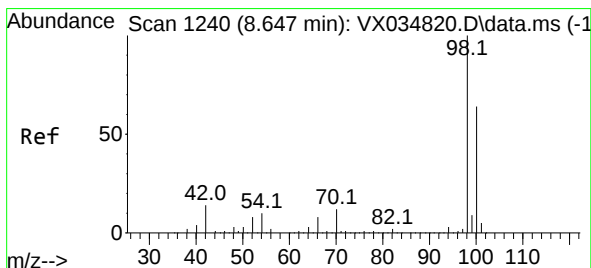
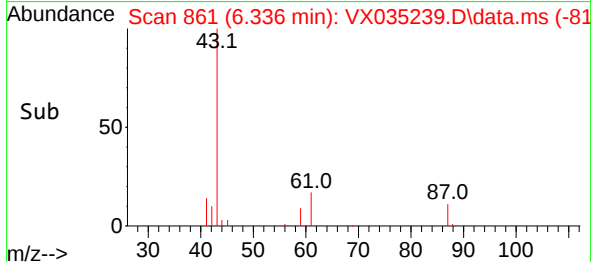
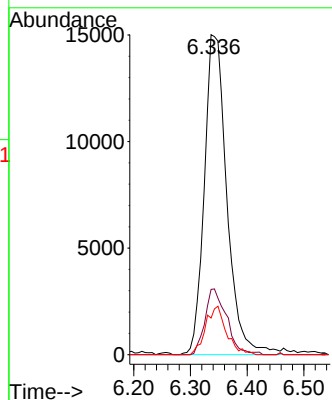
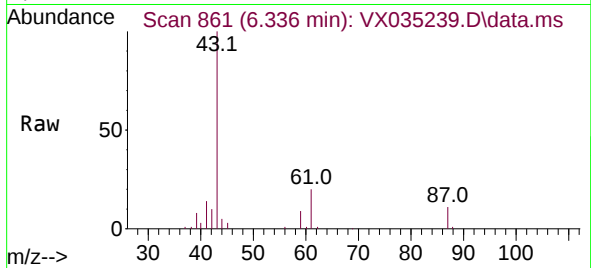




#43
Isopropyl Acetate
Concen: 5.803 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.000 min
Lab File: VX035239.D
Acq: 21 Apr 2023 18:22

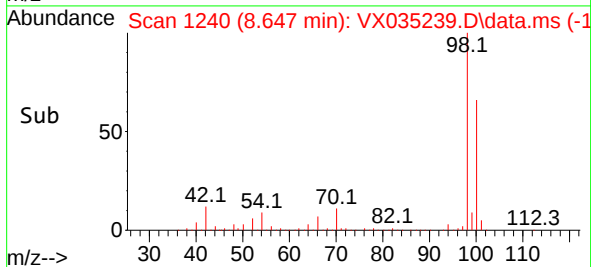
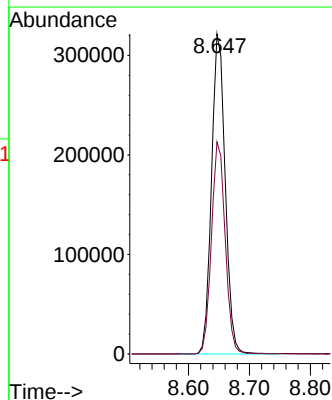
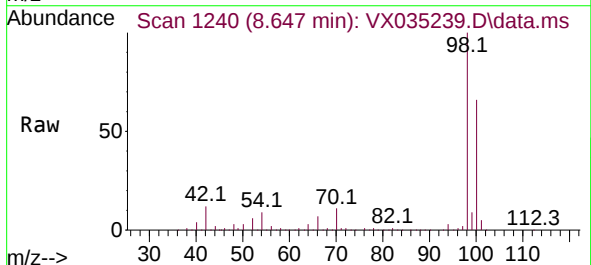
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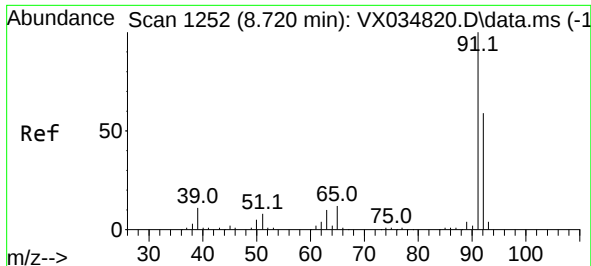
Tgt Ion: 43 Resp: 41622
Ion Ratio Lower Upper
43 100
61 19.7 15.2 22.8
87 13.9 9.8 14.8



#50
Toluene-d8
Concen: 49.055 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX035239.D
Acq: 21 Apr 2023 18:22

Tgt Ion: 98 Resp: 501110
Ion Ratio Lower Upper
98 100
100 66.6 52.5 78.7

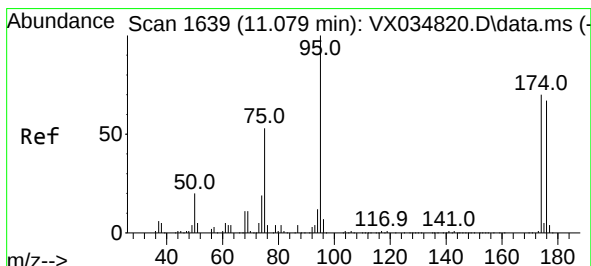
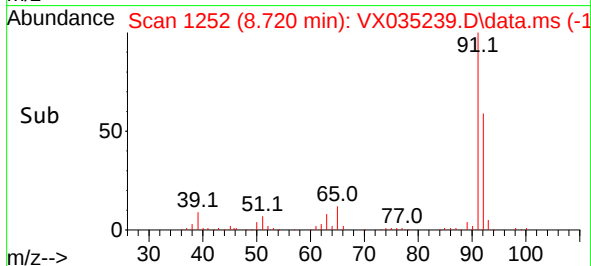
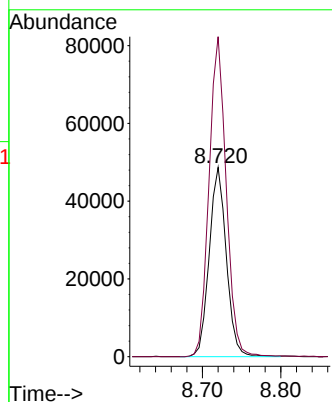
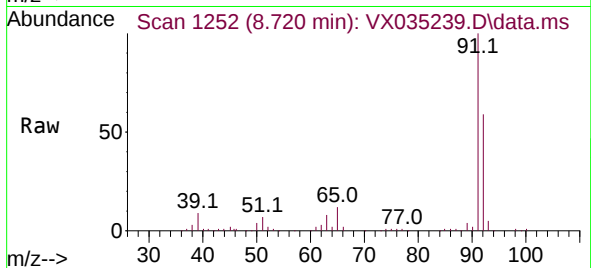




#52
Toluene
Concen: 9.631 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX035239.D
Acq: 21 Apr 2023 18:22

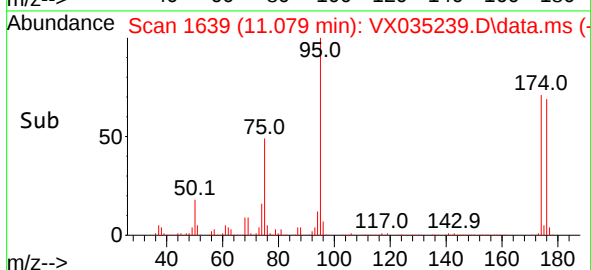
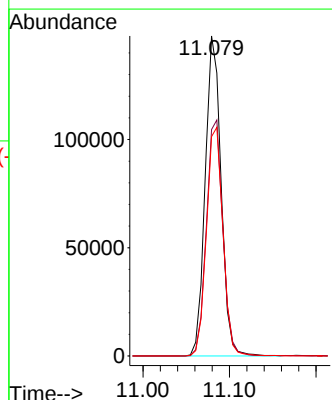
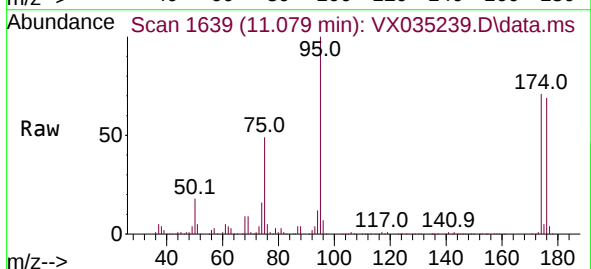
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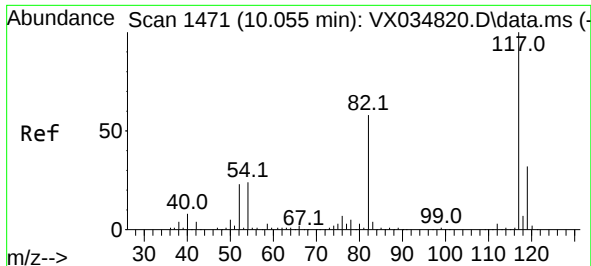
Tgt Ion: 92 Resp: 73909
Ion Ratio Lower Upper
92 100
91 169.8 136.8 205.2



#62
4-Bromofluorobenzene
Concen: 47.627 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX035239.D
Acq: 21 Apr 2023 18:22

Tgt Ion: 95 Resp: 188273
Ion Ratio Lower Upper
95 100
174 76.4 0.0 147.4
176 74.3 0.0 140.6

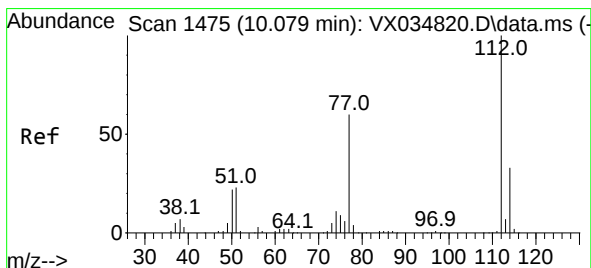
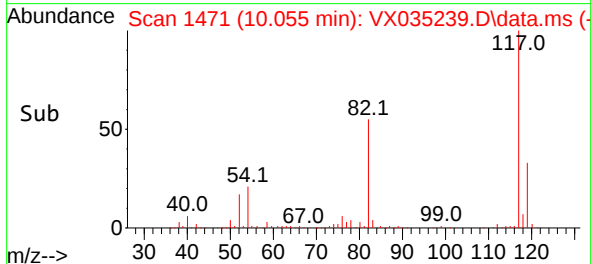
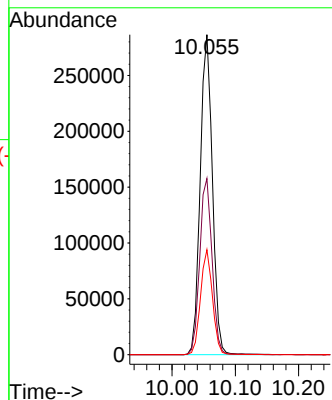
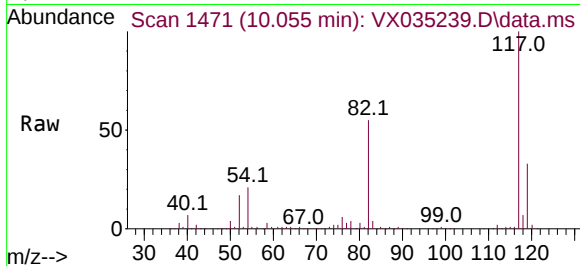




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX035239.D
Acq: 21 Apr 2023 18:22

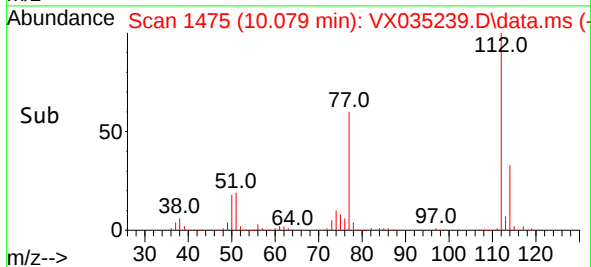
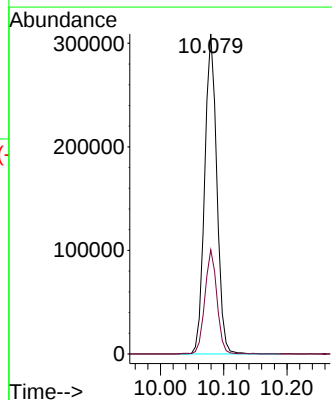
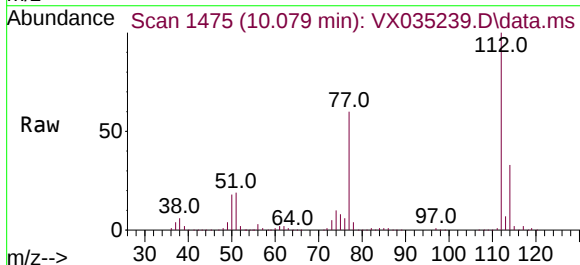
Instrument :
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ClientSampleId :
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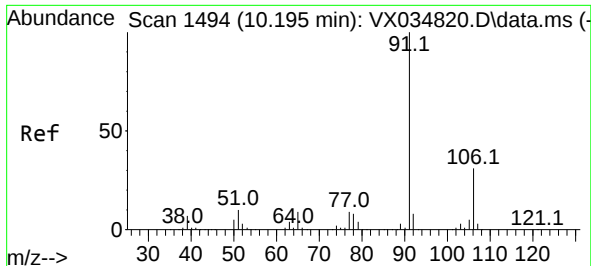
Tgt Ion:117 Resp: 384047
Ion Ratio Lower Upper
117 100
82 55.0 45.0 67.4
119 32.8 26.0 39.0



#65
Chlorobenzene
Concen: 51.827 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX035239.D
Acq: 21 Apr 2023 18:22

Tgt Ion:112 Resp: 414129
Ion Ratio Lower Upper
112 100
114 32.6 26.2 39.2





#67

Ethyl Benzene

Concen: 61.722 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. -0.000 min

Lab File: VX035239.D

Acq: 21 Apr 2023 18:22

Instrument :

MSVOA_X

ClientSampleId :

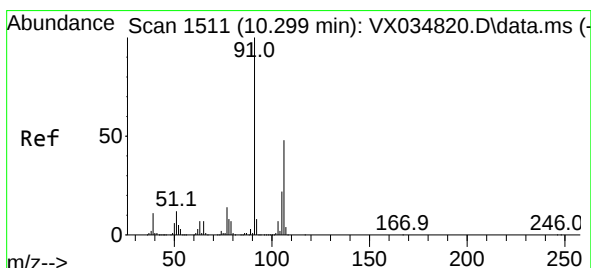
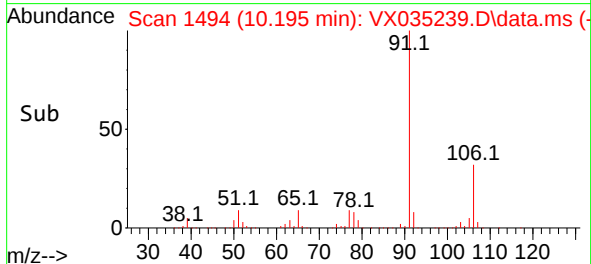
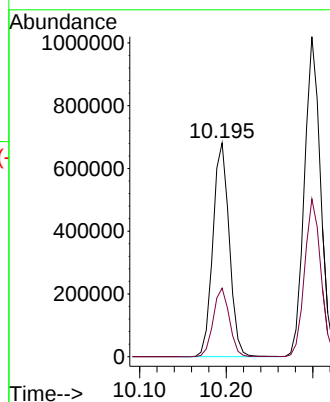
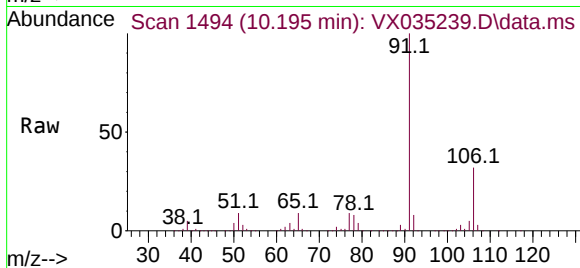
SPA-1WC-23-04DL

Tgt Ion: 91 Resp: 893452

Ion Ratio Lower Upper

91 100

106 32.0 25.6 38.4



#68

m/p-Xylenes

Concen: 118.594 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX035239.D

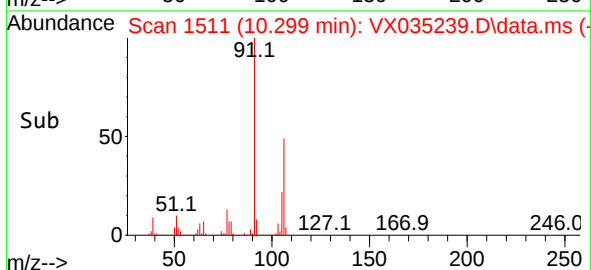
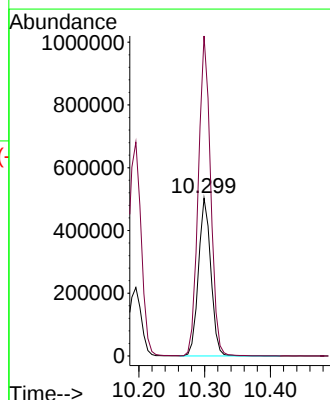
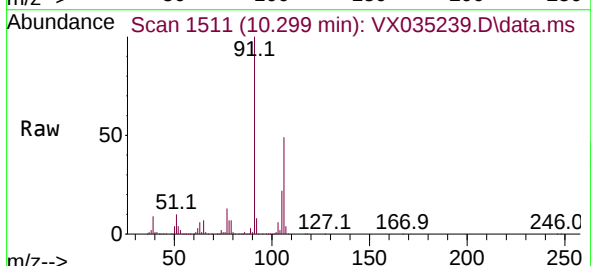
Acq: 21 Apr 2023 18:22

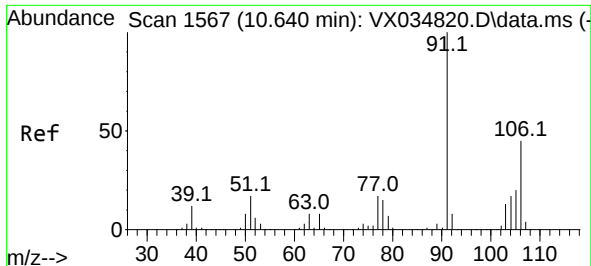
Tgt Ion: 106 Resp: 655760

Ion Ratio Lower Upper

106 100

91 201.5 164.0 246.0

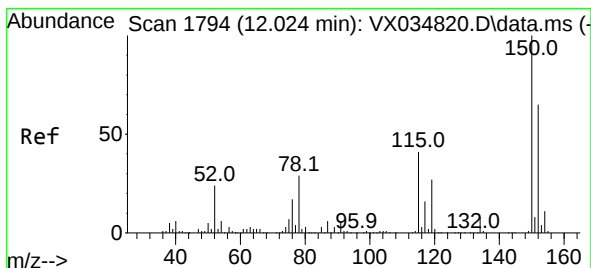
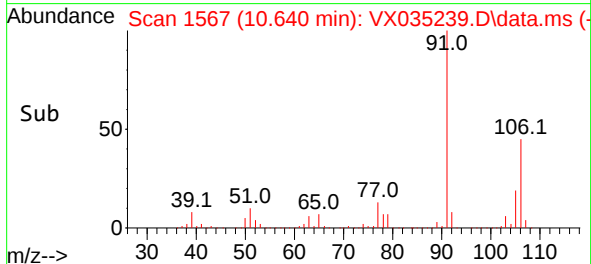
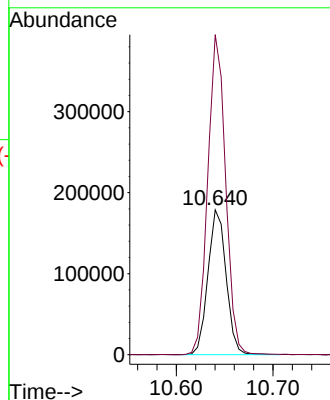
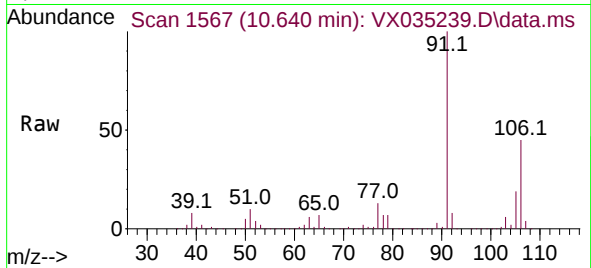




#69
o-Xylene
Concen: 43.225 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX035239.D
Acq: 21 Apr 2023 18:22

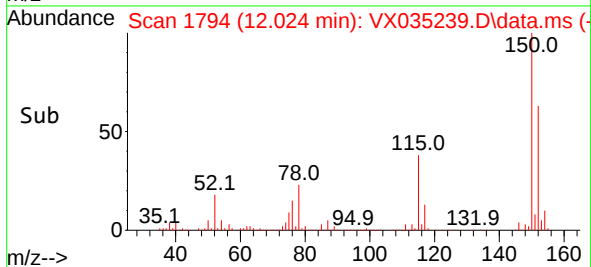
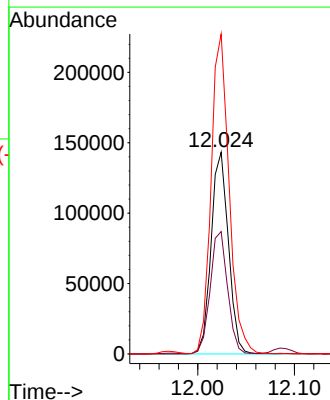
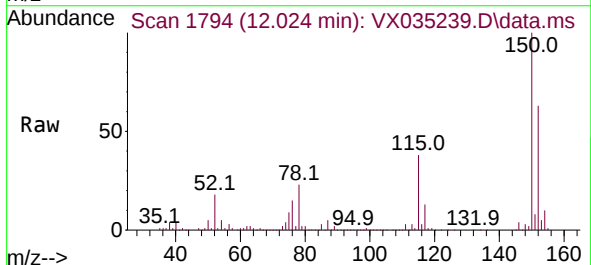
Instrument :
MSVOA_X
ClientSampleId :
SPA-1WC-23-04DL

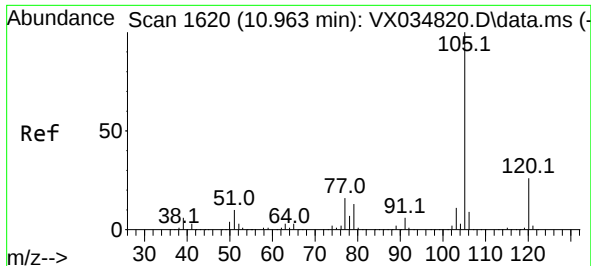
Tgt Ion:106 Resp: 234141
Ion Ratio Lower Upper
106 100
91 217.0 108.5 325.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX035239.D
Acq: 21 Apr 2023 18:22

Tgt Ion:152 Resp: 178517
Ion Ratio Lower Upper
152 100
115 60.7 45.0 135.0
150 164.2 0.0 352.4

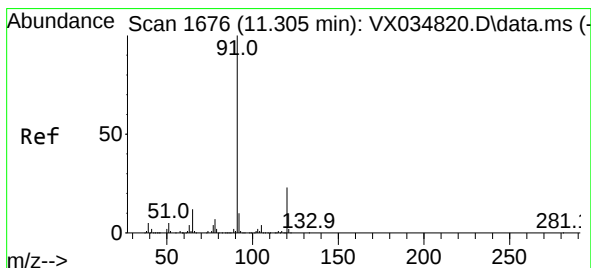
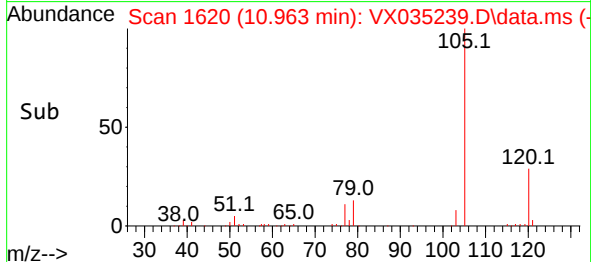
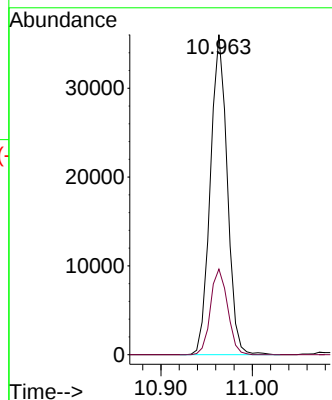
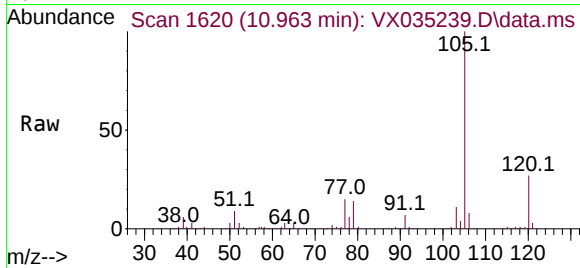




#73
Isopropylbenzene
Concen: 3.526 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX035239.D
Acq: 21 Apr 2023 18:22

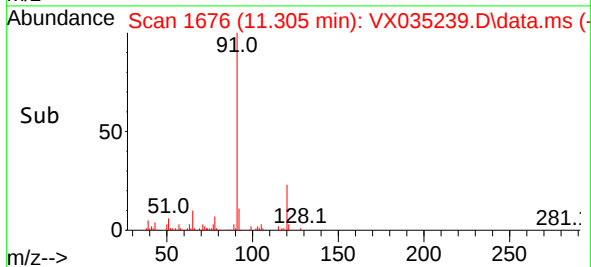
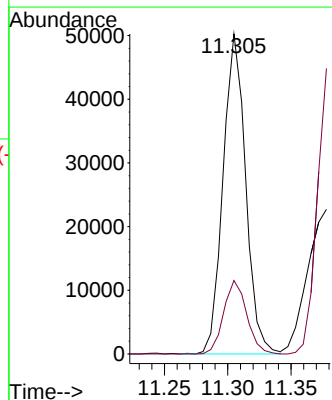
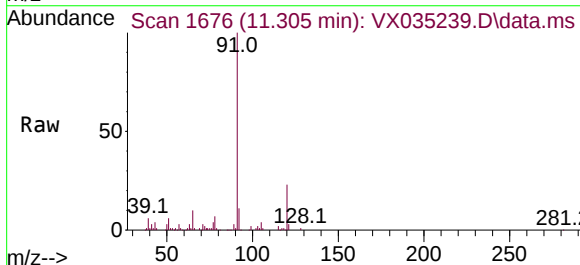
Instrument :
MSVOA_X
ClientSampleId :
SPA-1WC-23-04DL

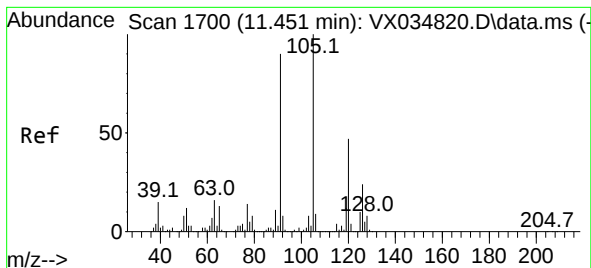
Tgt Ion:105 Resp: 46110
Ion Ratio Lower Upper
105 100
120 27.1 13.3 39.9



#78
n-propylbenzene
Concen: 4.128 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX035239.D
Acq: 21 Apr 2023 18:22

Tgt Ion: 91 Resp: 62350
Ion Ratio Lower Upper
91 100
120 23.4 11.5 34.5





#80

1,3,5-Trimethylbenzene

Concen: 9.046 ug/l

RT: 11.451 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX035239.D

Acq: 21 Apr 2023 18:22

Instrument :

MSVOA_X

ClientSampleId :

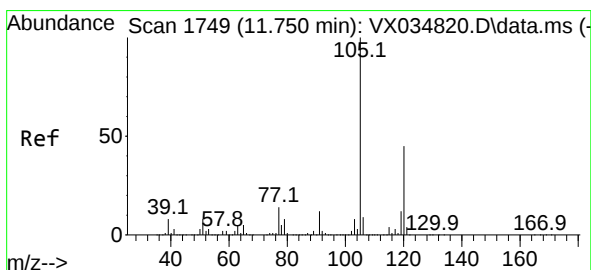
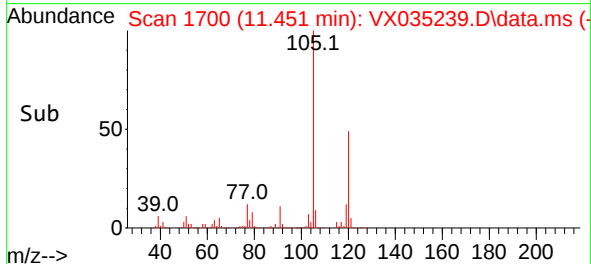
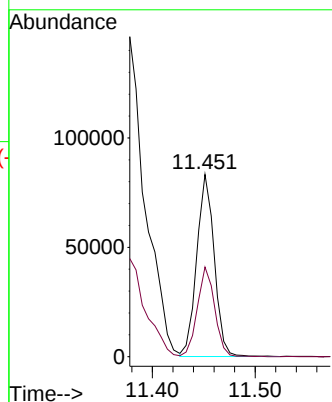
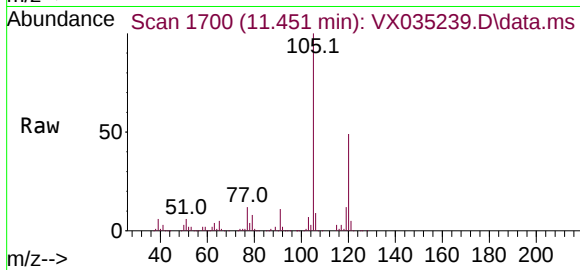
SPA-1WC-23-04DL

Tgt Ion:105 Resp: 98905

Ion Ratio Lower Upper

105 100

120 48.7 23.7 71.1



#84

1,2,4-Trimethylbenzene

Concen: 31.675 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX035239.D

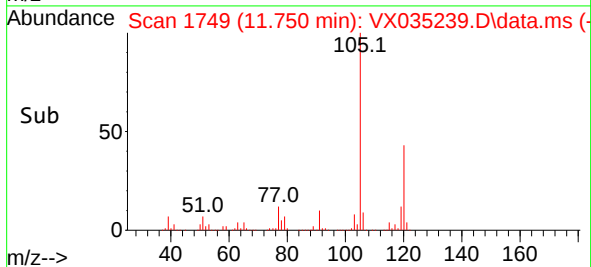
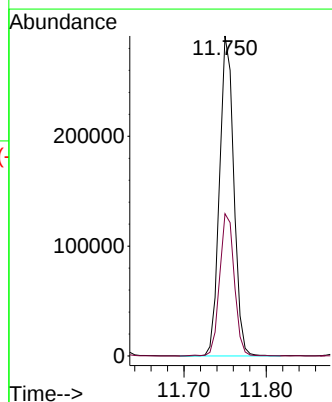
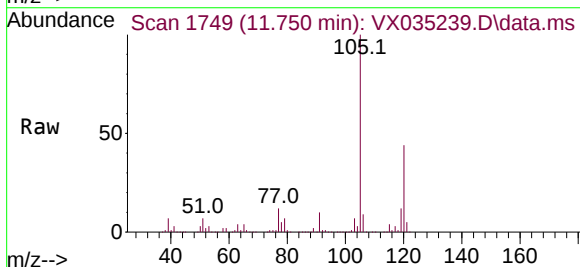
Acq: 21 Apr 2023 18:22

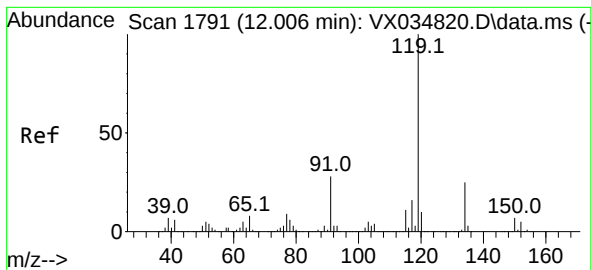
Tgt Ion:105 Resp: 352178

Ion Ratio Lower Upper

105 100

120 45.7 22.4 67.0





#86

p-Isopropyltoluene

Concen: 1.481 ug/l

RT: 12.012 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX035239.D

Acq: 21 Apr 2023 18:22

Instrument :

MSVOA_X

ClientSampleId :

SPA-1WC-23-04DL

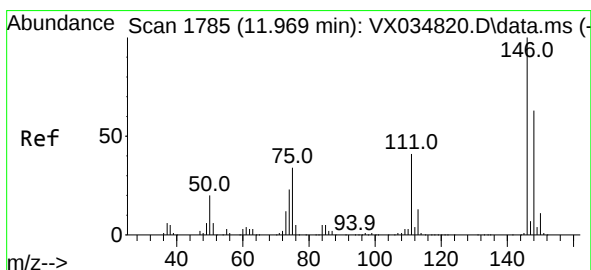
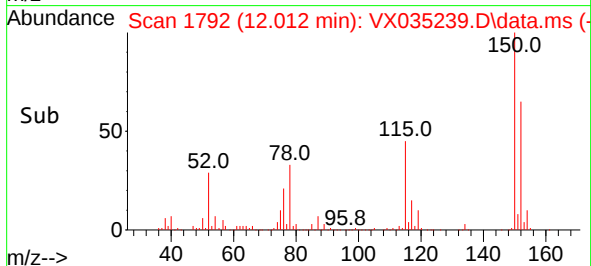
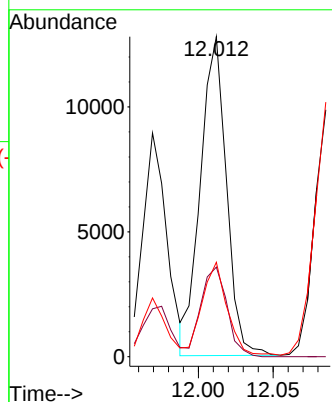
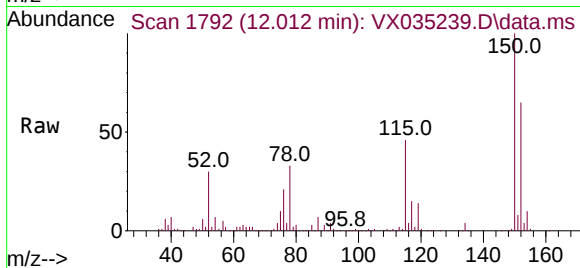
Tgt Ion:119 Resp: 15421

Ion Ratio Lower Upper

119 100

134 27.8 13.2 39.5

91 28.5 12.9 38.7



#87

1,3-Dichlorobenzene

Concen: 4.046 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX035239.D

Acq: 21 Apr 2023 18:22

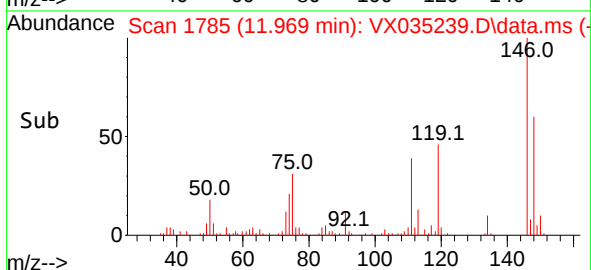
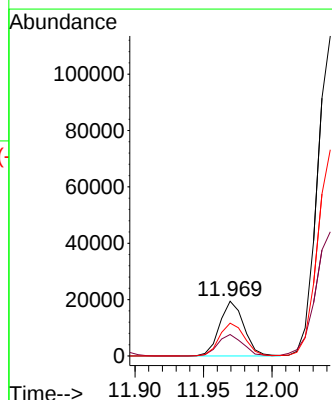
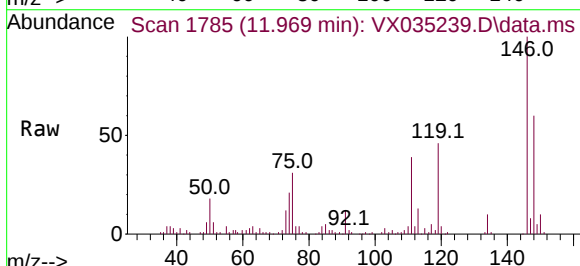
Tgt Ion:146 Resp: 23874

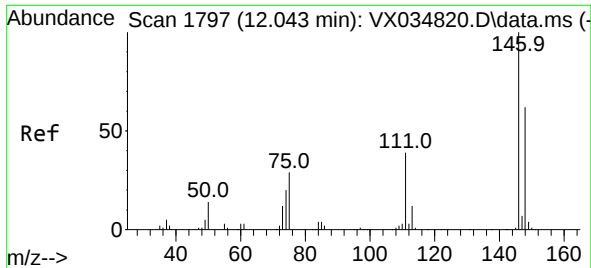
Ion Ratio Lower Upper

146 100

111 40.7 20.9 62.8

148 62.5 31.6 95.0

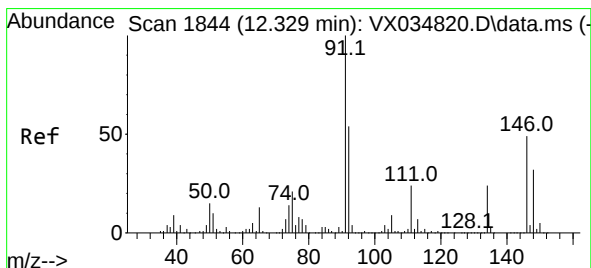
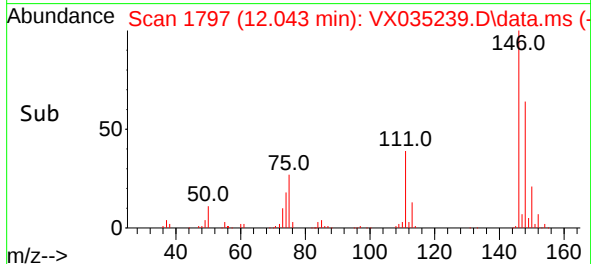
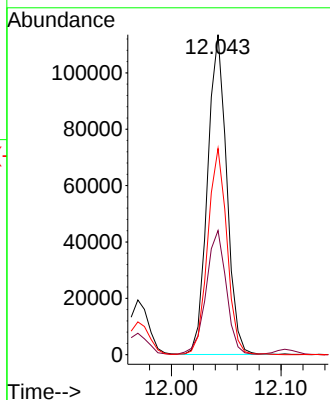
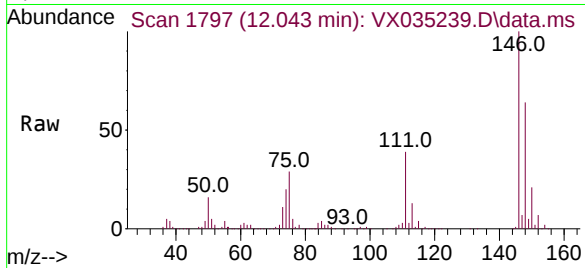




#88
1,4-Dichlorobenzene
Concen: 22.312 ug/l
RT: 12.043 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX035239.D
Acq: 21 Apr 2023 18:22

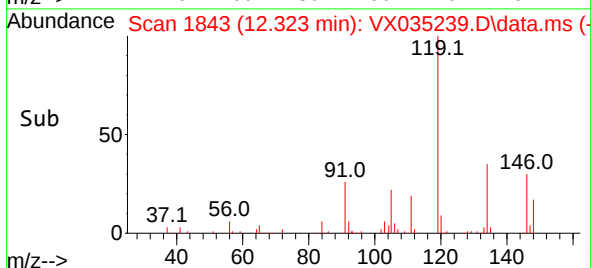
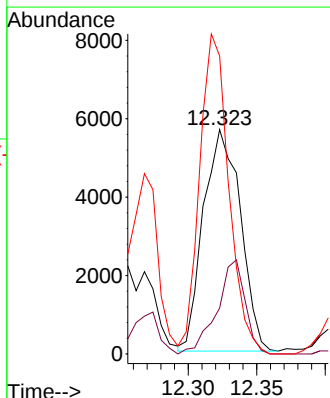
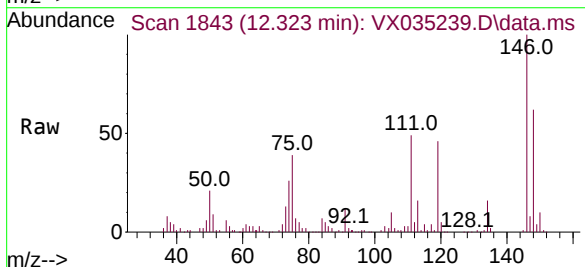
Instrument :
MSVOA_X
ClientSampleId :
SPA-1WC-23-04DL

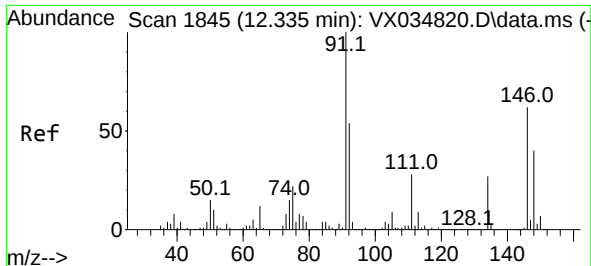
Tgt Ion:146 Resp: 137506
Ion Ratio Lower Upper
146 100
111 40.9 20.6 61.9
148 64.8 31.8 95.4



#89
n-Butylbenzene
Concen: 1.168 ug/l
RT: 12.323 min Scan# 1843
Delta R.T. -0.006 min
Lab File: VX035239.D
Acq: 21 Apr 2023 18:22

Tgt Ion: 91 Resp: 10628
Ion Ratio Lower Upper
91 100
92 32.2 27.7 83.0
134 113.9 13.0 38.9#

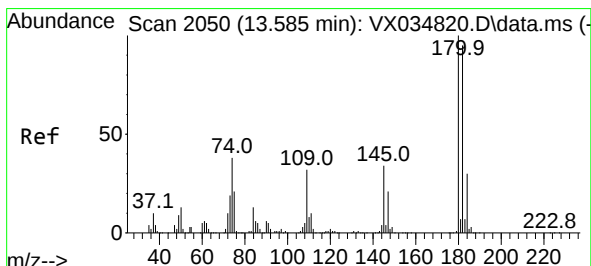
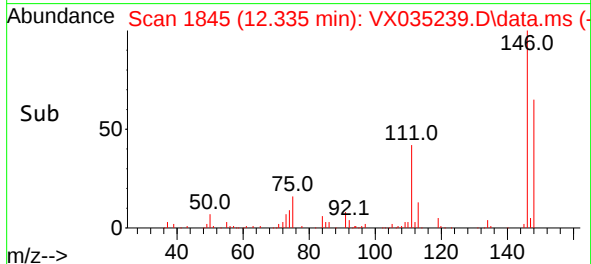
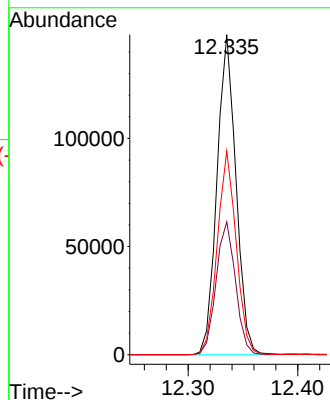
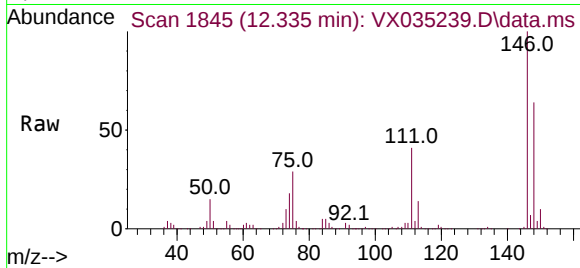




#91
1,2-Dichlorobenzene
Concen: 30.181 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX035239.D
Acq: 21 Apr 2023 18:22

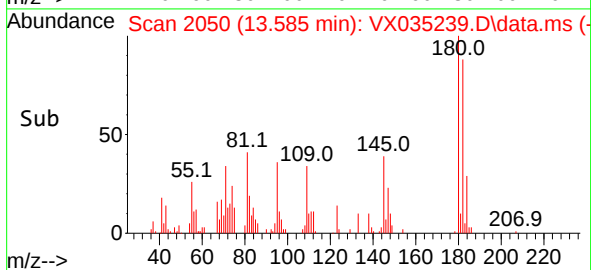
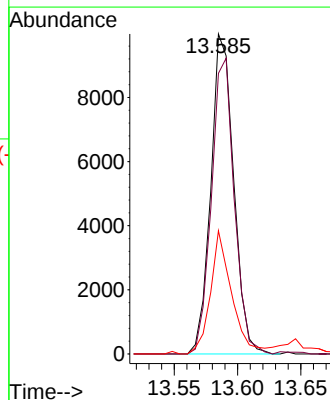
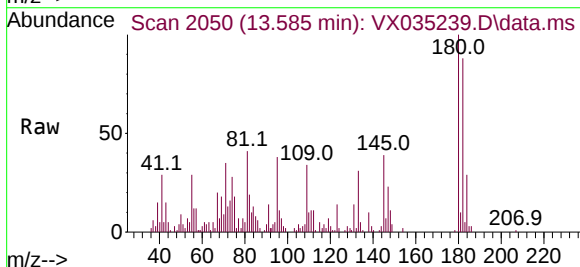
Instrument :
MSVOA_X
ClientSampleId :
SPA-1WC-23-04DL

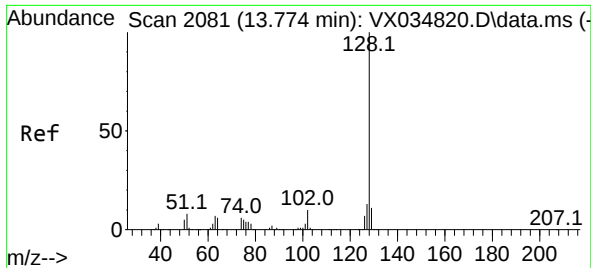
Tgt Ion:146 Resp: 178359
Ion Ratio Lower Upper
146 100
111 42.4 22.0 66.0
148 63.6 32.0 96.0



#93
1,2,4-Trichlorobenzene
Concen: 3.747 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.000 min
Lab File: VX035239.D
Acq: 21 Apr 2023 18:22

Tgt Ion:180 Resp: 12523
Ion Ratio Lower Upper
180 100
182 92.4 47.0 141.0
145 36.0 15.9 47.7





#95

Naphthalene

Concen: 19.153 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX035239.D

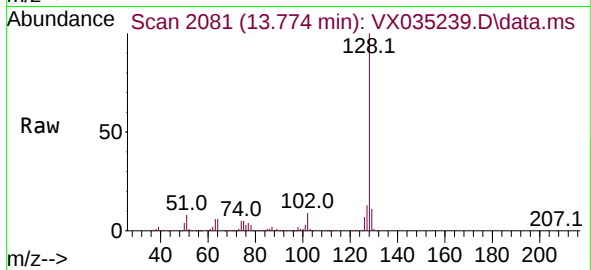
Acq: 21 Apr 2023 18:22

Instrument :

MSVOA_X

ClientSampleId :

SPA-1WC-23-04DL



Tgt Ion:128 Resp: 227469

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

129 10.9 8.6 13.0

