

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042123\
 Data File : VX035242.D
 Acq On : 21 Apr 2023 19:32
 Operator : JC/MD
 Sample : 02389-21
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SPB-6WC-23-04-17

Quant Time: Apr 22 01:08:06 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

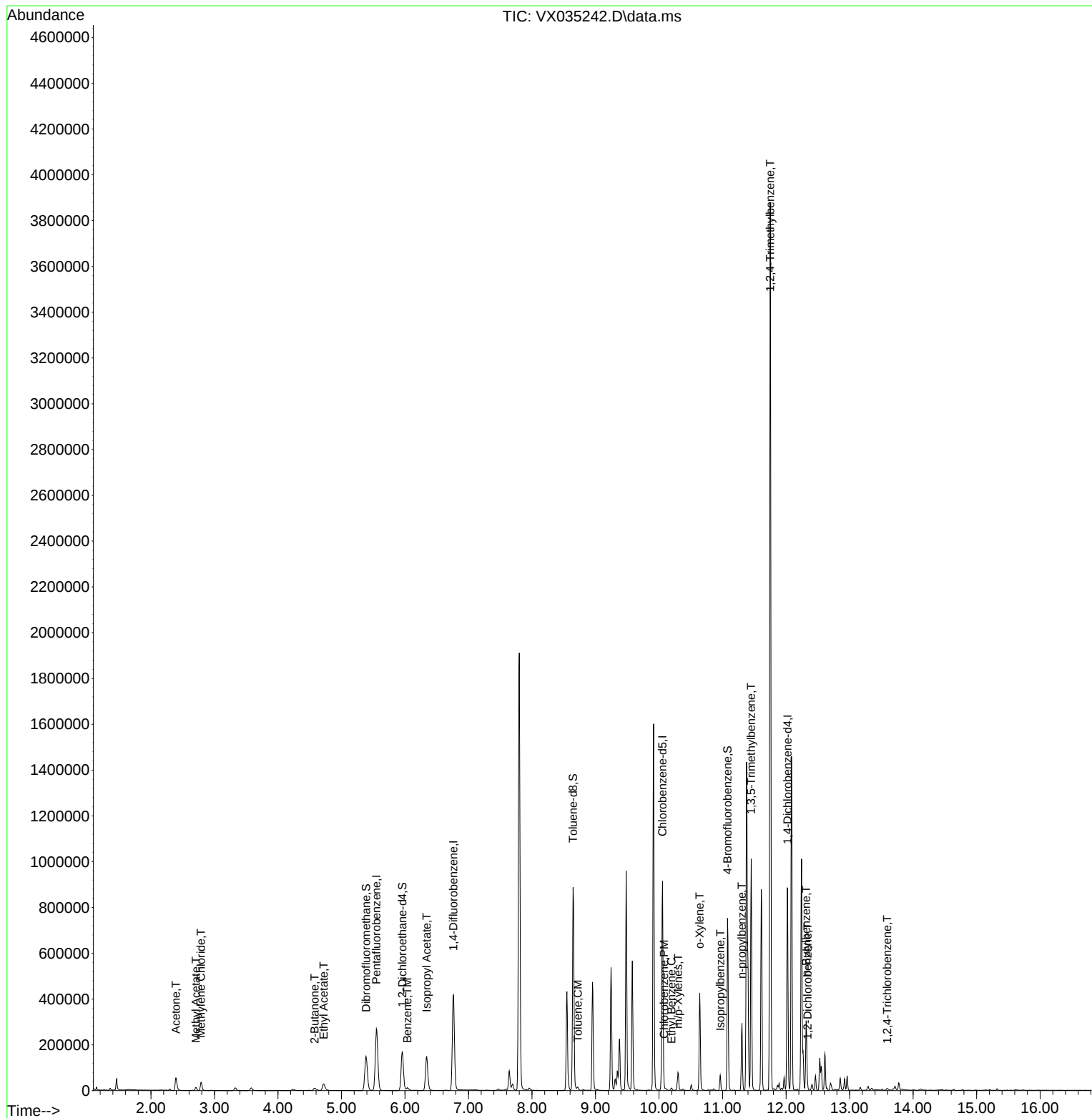
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	260725	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	442263	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	404597	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	193238	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	163172	40.922	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	81.840%
35) Dibromofluoromethane	5.385	113	132278	45.220	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.440%
50) Toluene-d8	8.647	98	525424	48.663	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.320%
62) 4-Bromofluorobenzene	11.079	95	201260	48.169	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.340%
Target Compounds						
					Qvalue	
16) Acetone	2.392	43	72736	44.904	ug/l	97
18) Methyl Acetate	2.709	43	17559	3.051	ug/l	99
20) Methylene Chloride	2.788	84	17986	5.627	ug/l	89
25) 2-Butanone	4.574	43	19670	8.348	ug/l	91
37) Ethyl Acetate	4.721	43	54101	11.939	ug/l	96
40) Benzene	6.037	78	13005	1.045	ug/l	95
43) Isopropyl Acetate	6.342	43	203270	26.812	ug/l	96
52) Toluene	8.720	92	4128	0.509	ug/l	87
65) Chlorobenzene	10.079	112	3210	0.381	ug/l	89
67) Ethyl Benzene	10.195	91	6819	0.447	ug/l #	82
68) m/p-Xylenes	10.299	106	17323	2.974	ug/l	100
69) o-Xylene	10.640	106	67261	11.786	ug/l	98
73) Isopropylbenzene	10.963	105	32731	2.312	ug/l	100
78) n-propylbenzene	11.305	91	181605	11.106	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	426301	36.021	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	1676346	139.285	ug/l	98
89) n-Butylbenzene	12.317	91	32982	3.348	ug/l #	3
91) 1,2-Dichlorobenzene	12.341	146	3217	0.503	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	1174	0.324	ug/l	92

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

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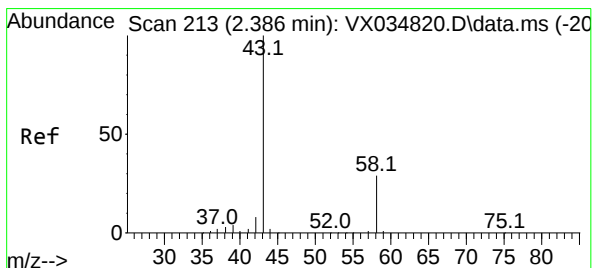
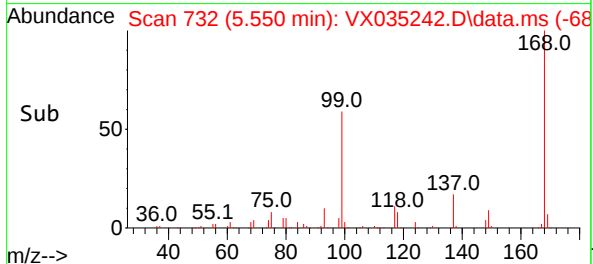
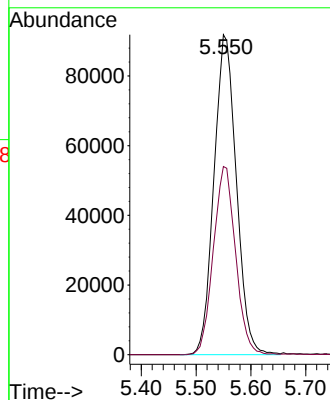
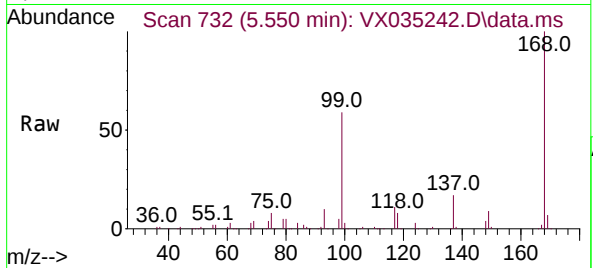




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX035242.D
Acq: 21 Apr 2023 19:32

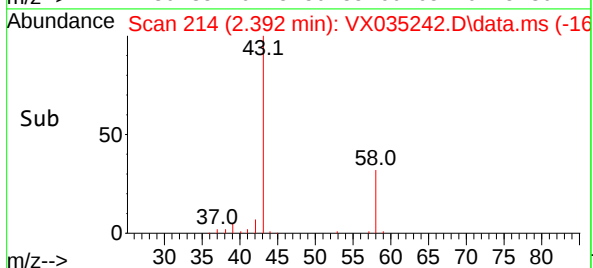
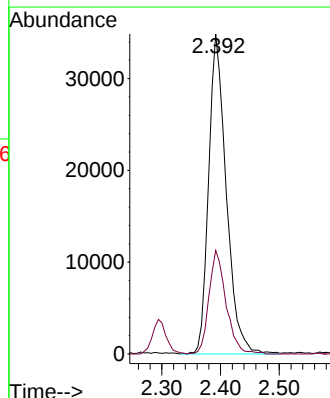
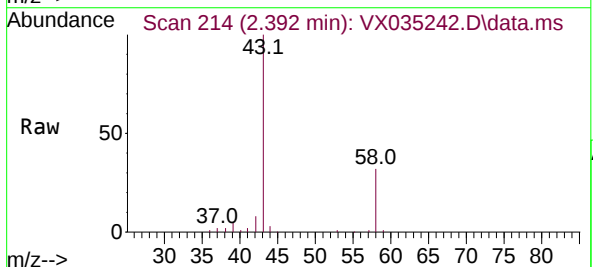
Instrument :
MSVOA_X
ClientSampleId :
SPB-6WC-23-04-17

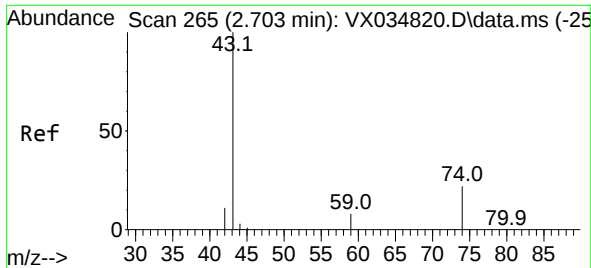
Tgt Ion:168 Resp: 260725
Ion Ratio Lower Upper
168 100
99 58.8 45.7 68.5



#16
Acetone
Concen: 44.904 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX035242.D
Acq: 21 Apr 2023 19:32

Tgt Ion: 43 Resp: 72736
Ion Ratio Lower Upper
43 100
58 32.3 24.7 37.1





#18

Methyl Acetate

Concen: 3.051 ug/l

RT: 2.709 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX035242.D

Acq: 21 Apr 2023 19:32

Instrument :

MSVOA_X

ClientSampleId :

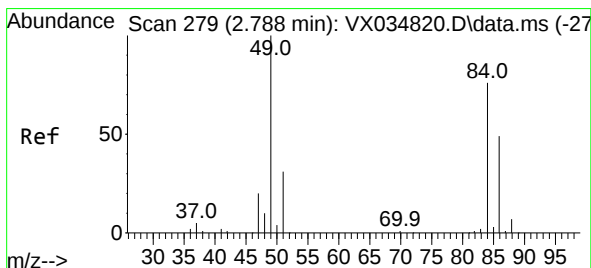
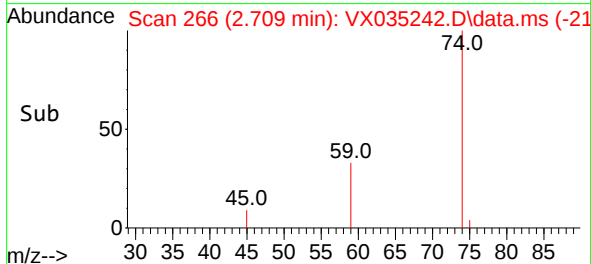
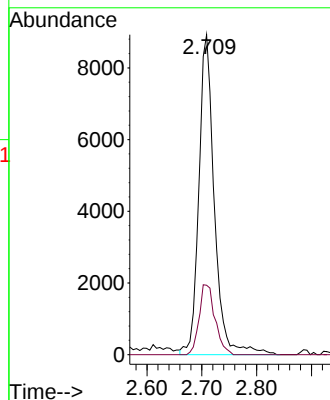
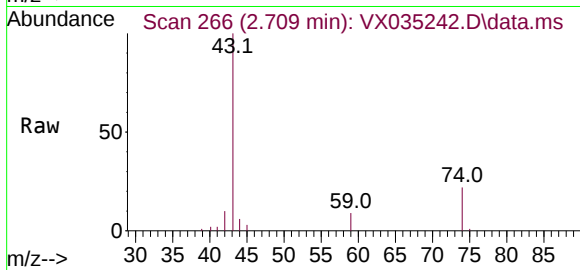
SPB-6WC-23-04-17

Tgt Ion: 43 Resp: 17559

Ion Ratio Lower Upper

43 100

74 22.4 18.3 27.5



#20

Methylene Chloride

Concen: 5.627 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX035242.D

Acq: 21 Apr 2023 19:32

Tgt Ion: 84 Resp: 17986

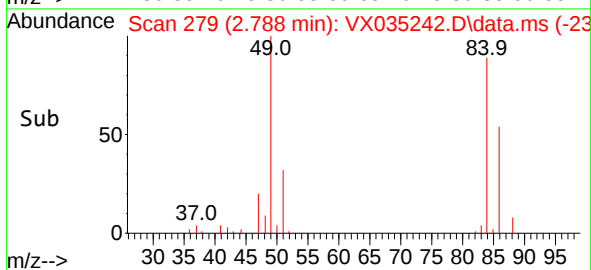
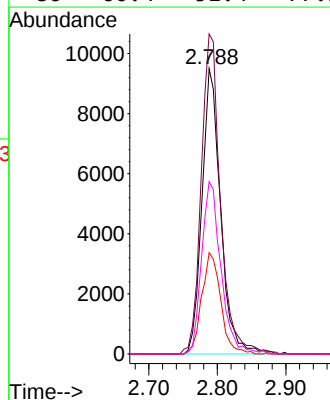
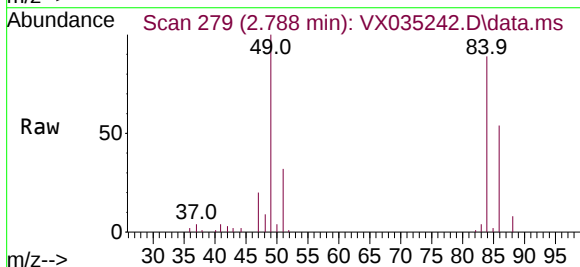
Ion Ratio Lower Upper

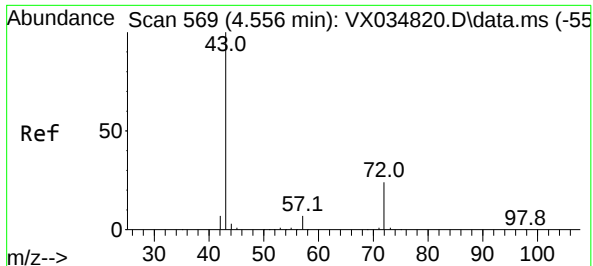
84 100

49 112.2 103.8 155.8

51 35.5 31.8 47.8

86 60.4 51.4 77.2





#25

2-Butanone

Concen: 8.348 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX035242.D

Acq: 21 Apr 2023 19:32

Instrument :

MSVOA_X

ClientSampleId :

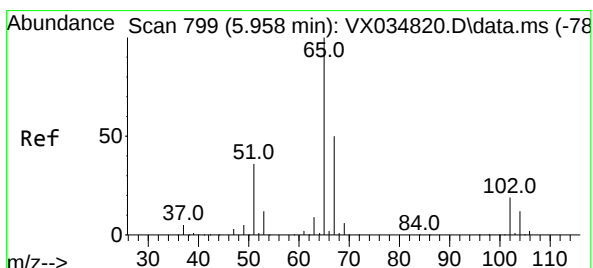
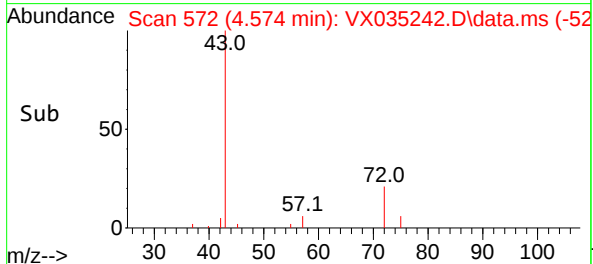
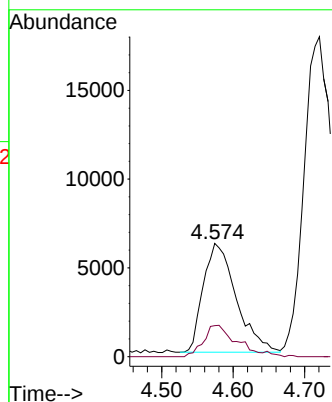
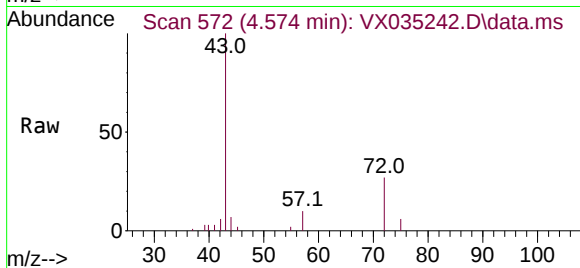
SPB-6WC-23-04-17

Tgt Ion: 43 Resp: 19670

Ion Ratio Lower Upper

43 100

72 28.5 19.3 28.9



#33

1,2-Dichloroethane-d4

Concen: 40.922 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX035242.D

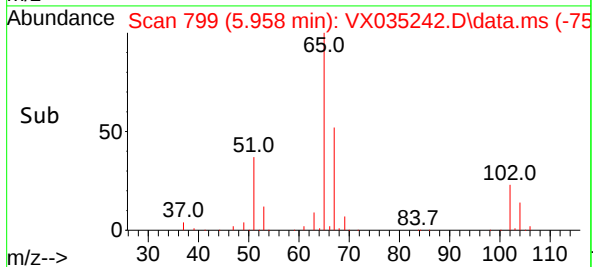
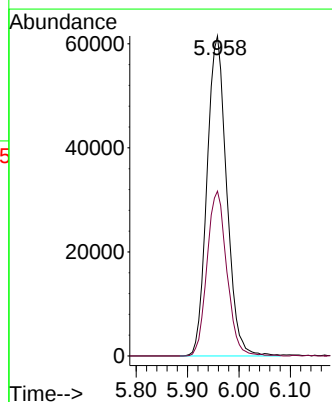
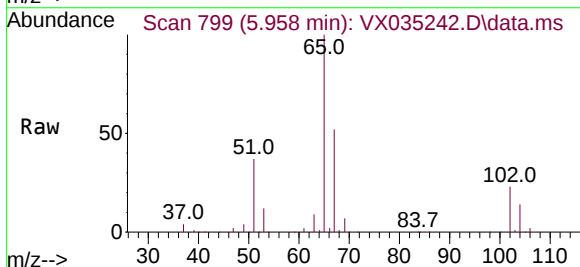
Acq: 21 Apr 2023 19:32

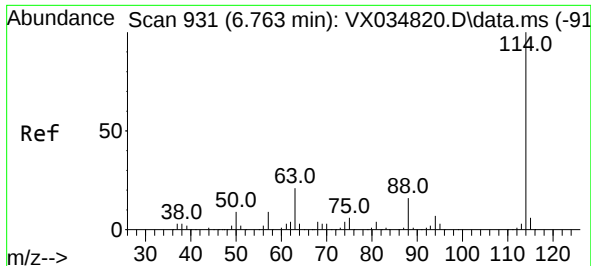
Tgt Ion: 65 Resp: 163172

Ion Ratio Lower Upper

65 100

67 51.9 0.0 104.0

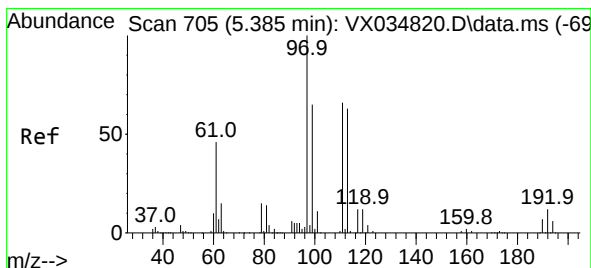
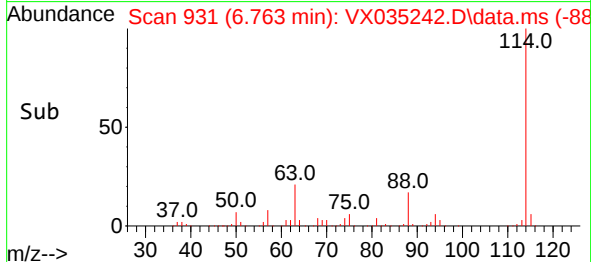
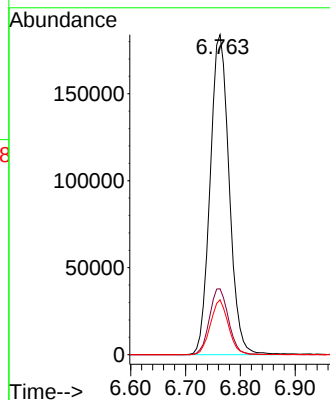
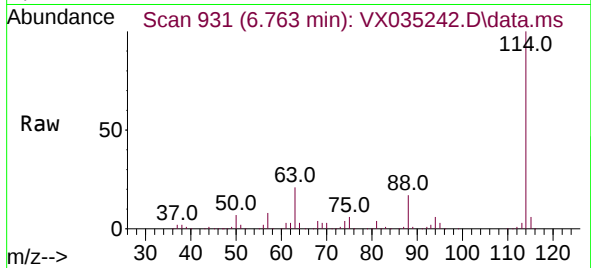




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX035242.D
Acq: 21 Apr 2023 19:32

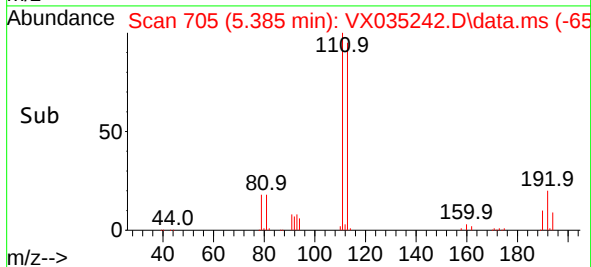
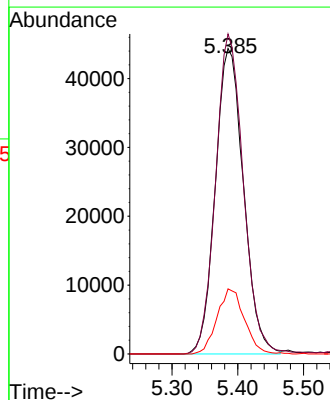
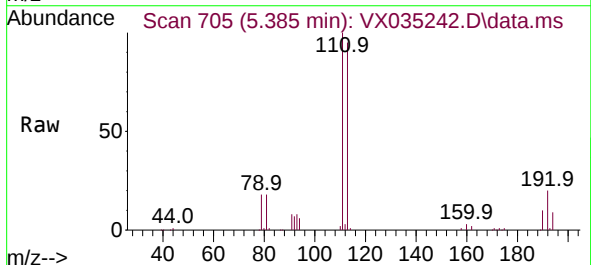
Instrument :
MSVOA_X
ClientSampleId :
SPB-6WC-23-04-17

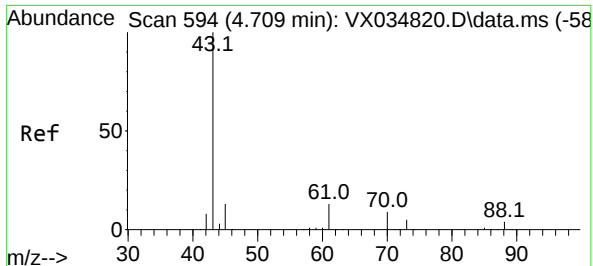
Tgt Ion:114 Resp: 442263
Ion Ratio Lower Upper
114 100
63 20.6 0.0 42.2
88 17.2 0.0 33.2



#35
Dibromofluoromethane
Concen: 45.220 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX035242.D
Acq: 21 Apr 2023 19:32

Tgt Ion:113 Resp: 132278
Ion Ratio Lower Upper
113 100
111 103.2 83.7 125.5
192 20.7 15.4 23.2





#37

Ethyl Acetate

Concen: 11.939 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.012 min

Lab File: VX035242.D

Acq: 21 Apr 2023 19:32

Instrument :

MSVOA_X

ClientSampleId :

SPB-6WC-23-04-17

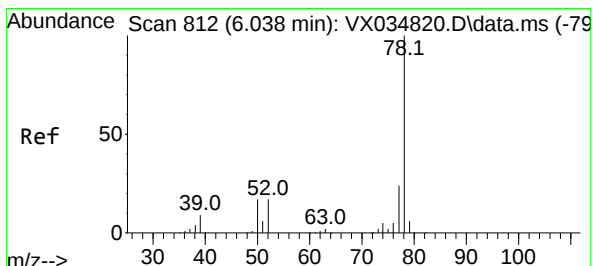
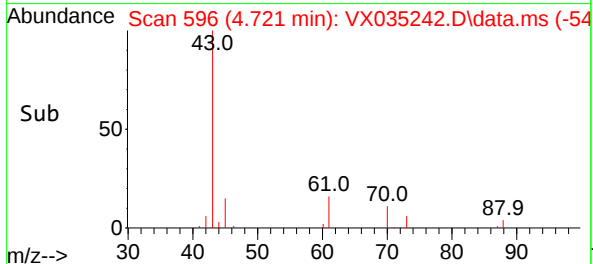
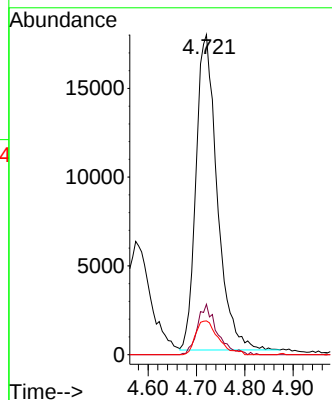
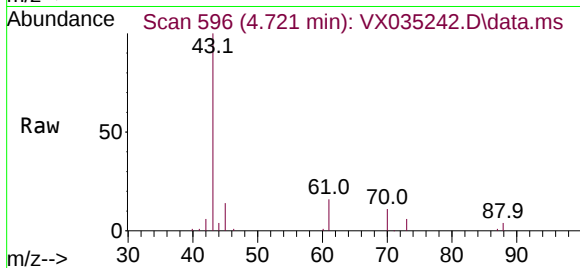
Tgt Ion: 43 Resp: 54101

Ion Ratio Lower Upper

43 100

61 14.7 10.2 15.4

70 11.4 8.2 12.4



#40

Benzene

Concen: 1.045 ug/l

RT: 6.037 min Scan# 812

Delta R.T. -0.000 min

Lab File: VX035242.D

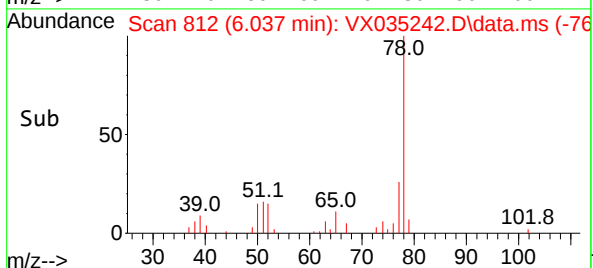
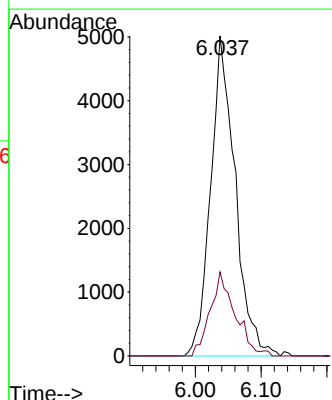
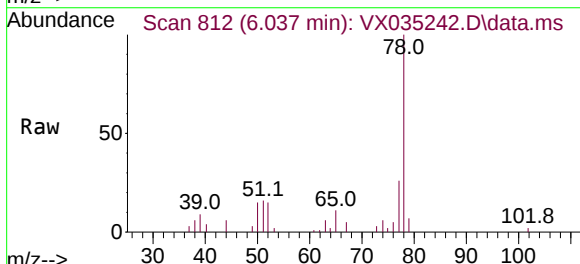
Acq: 21 Apr 2023 19:32

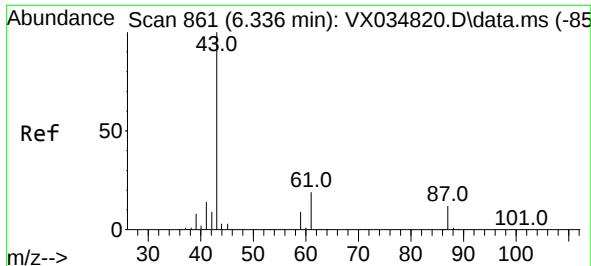
Tgt Ion: 78 Resp: 13005

Ion Ratio Lower Upper

78 100

77 26.3 19.0 28.4

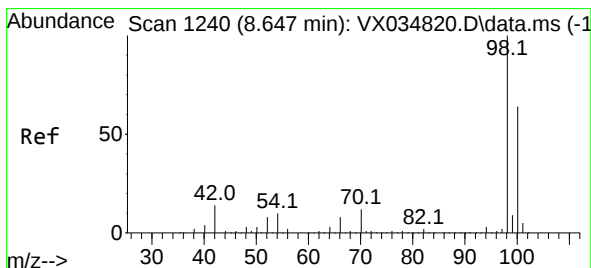
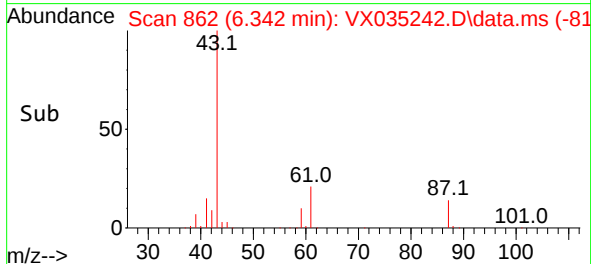
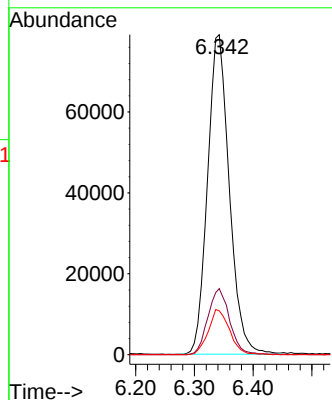
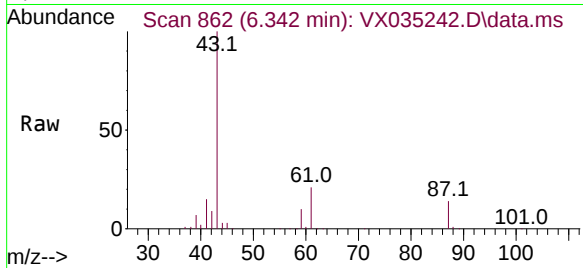




#43
Isopropyl Acetate
Concen: 26.812 ug/l
RT: 6.342 min Scan# 861
Delta R.T. 0.006 min
Lab File: VX035242.D
Acq: 21 Apr 2023 19:32

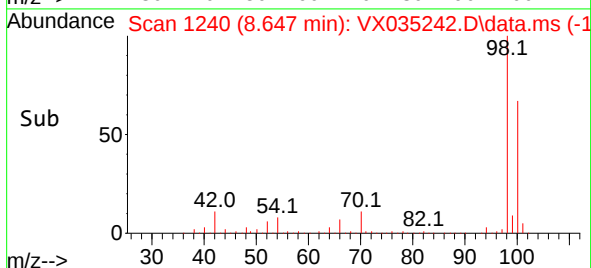
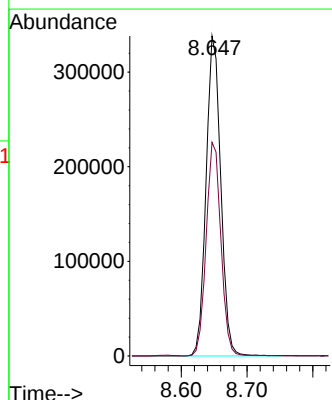
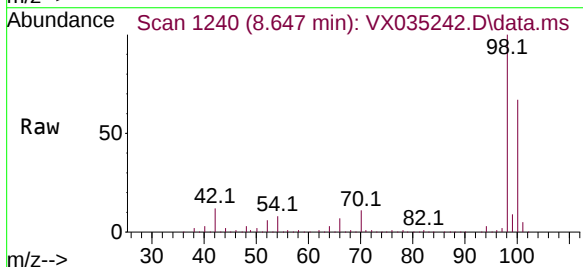
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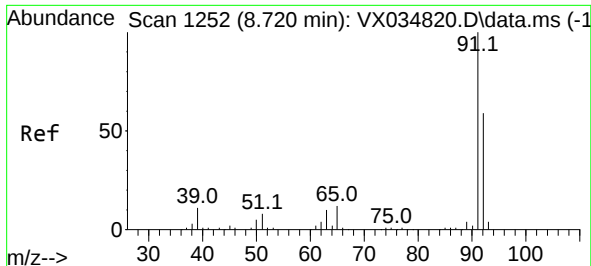
Tgt Ion: 43 Resp: 203270
Ion Ratio Lower Upper
43 100
61 20.7 15.2 22.8
87 13.8 9.8 14.8



#50
Toluene-d8
Concen: 48.663 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX035242.D
Acq: 21 Apr 2023 19:32

Tgt Ion: 98 Resp: 525424
Ion Ratio Lower Upper
98 100
100 67.1 52.5 78.7

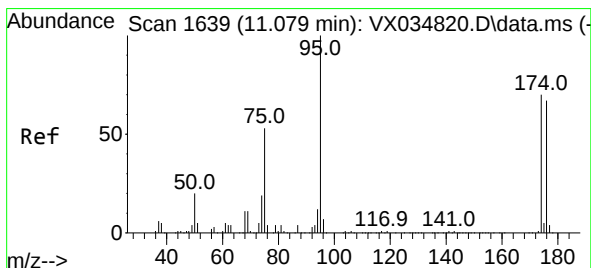
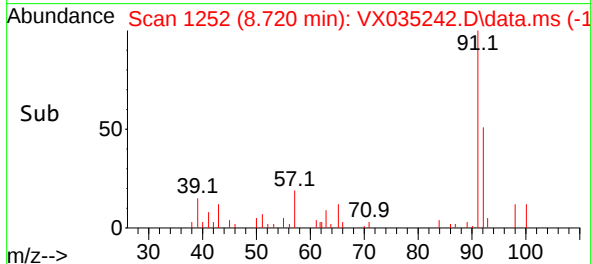
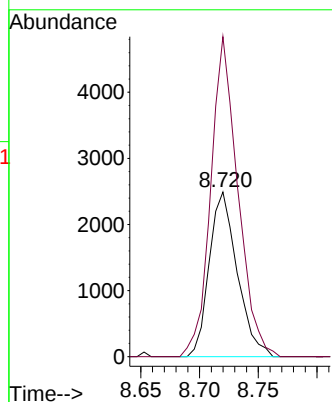
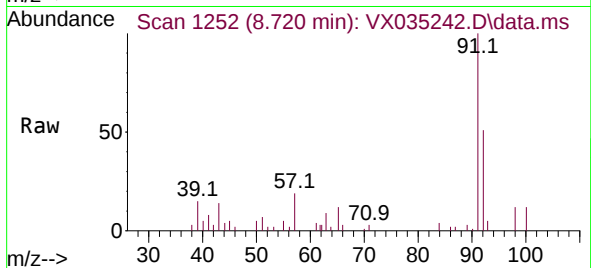




#52
Toluene
Concen: 0.509 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX035242.D
Acq: 21 Apr 2023 19:32

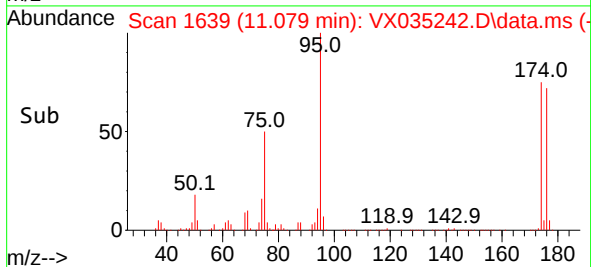
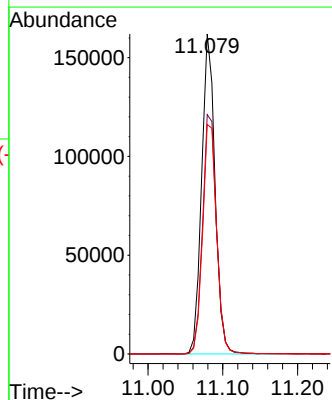
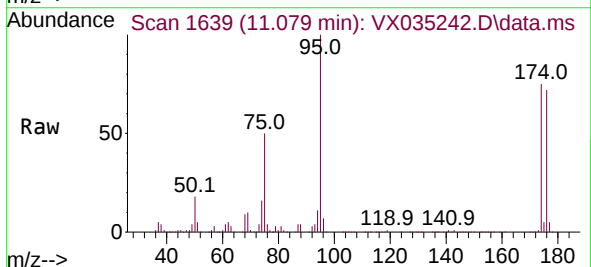
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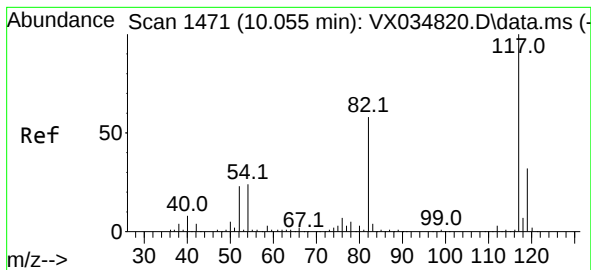
Tgt Ion: 92 Resp: 4128
Ion Ratio Lower Upper
92 100
91 188.4 136.8 205.2



#62
4-Bromofluorobenzene
Concen: 48.169 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX035242.D
Acq: 21 Apr 2023 19:32

Tgt Ion: 95 Resp: 201260
Ion Ratio Lower Upper
95 100
174 78.1 0.0 147.4
176 75.1 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: VX035242.D

Acq: 21 Apr 2023 19:32

Instrument :

MSVOA_X

ClientSampleId :

SPB-6WC-23-04-17

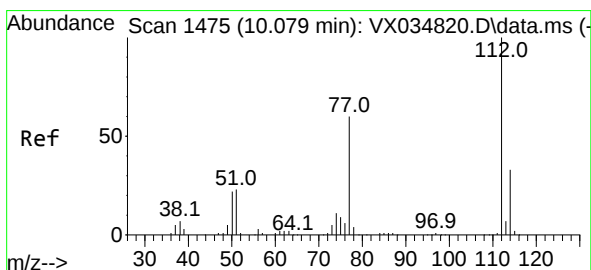
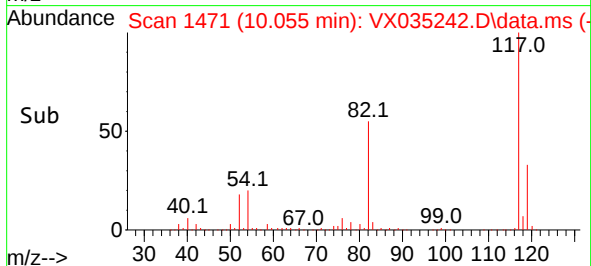
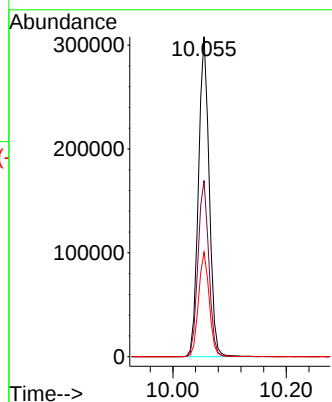
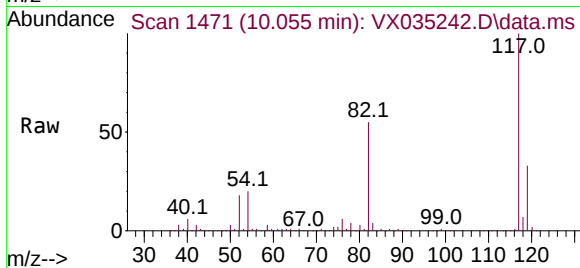
Tgt Ion:117 Resp: 404597

Ion Ratio Lower Upper

117 100

82 55.0 45.0 67.4

119 32.6 26.0 39.0



#65

Chlorobenzene

Concen: 0.381 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VX035242.D

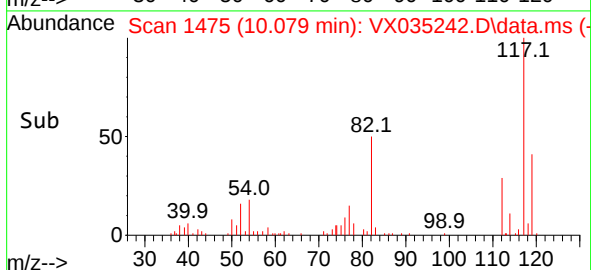
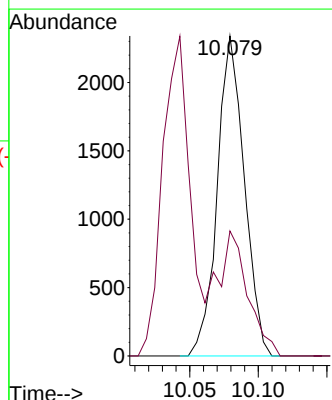
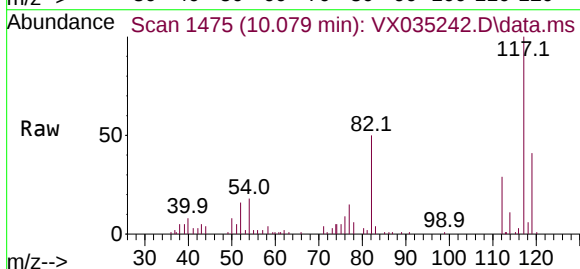
Acq: 21 Apr 2023 19:32

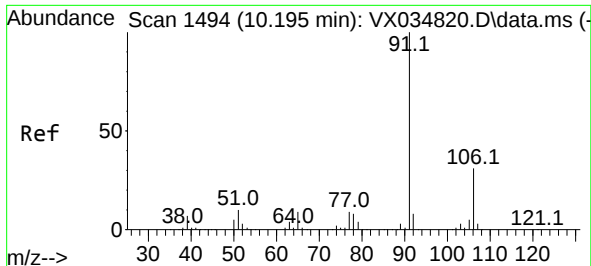
Tgt Ion:112 Resp: 3210

Ion Ratio Lower Upper

112 100

114 39.1 26.2 39.2

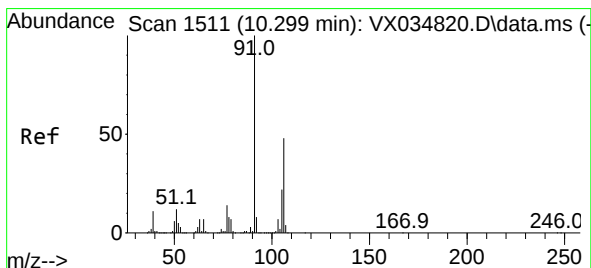
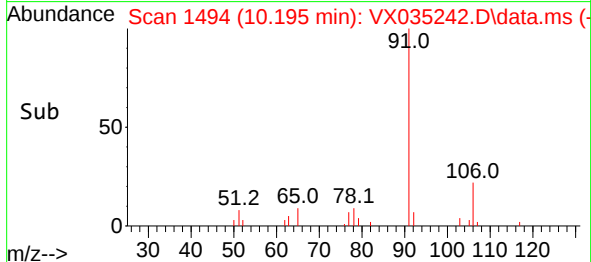
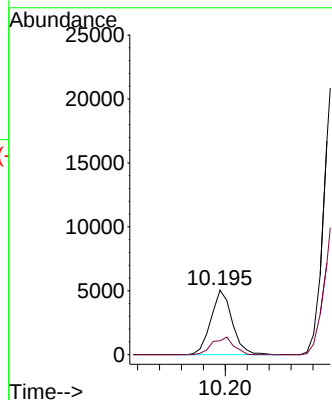
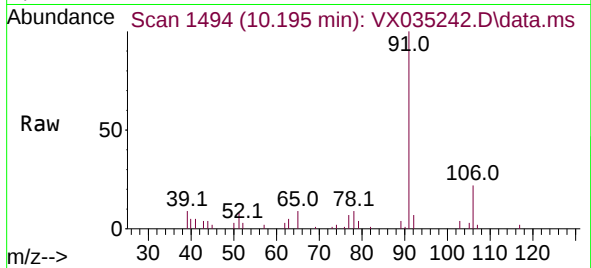




#67
Ethyl Benzene
Concen: 0.447 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX035242.D
Acq: 21 Apr 2023 19:32

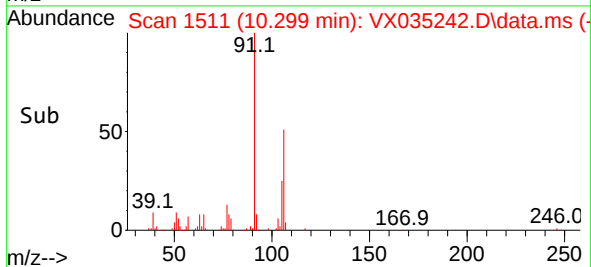
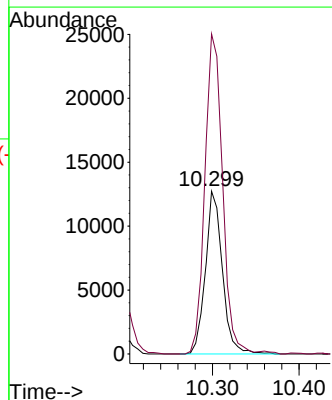
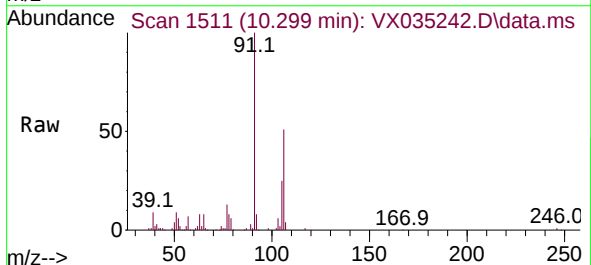
Instrument :
MSVOA_X
ClientSampleId :
SPB-6WC-23-04-17

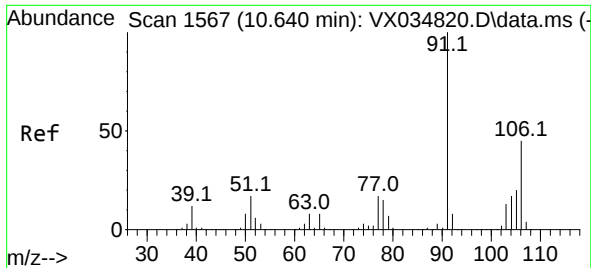
Tgt Ion: 91 Resp: 6819
Ion Ratio Lower Upper
91 100
106 21.7 25.6 38.4#



#68
m/p-Xylenes
Concen: 2.974 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX035242.D
Acq: 21 Apr 2023 19:32

Tgt Ion: 106 Resp: 17323
Ion Ratio Lower Upper
106 100
91 204.5 164.0 246.0

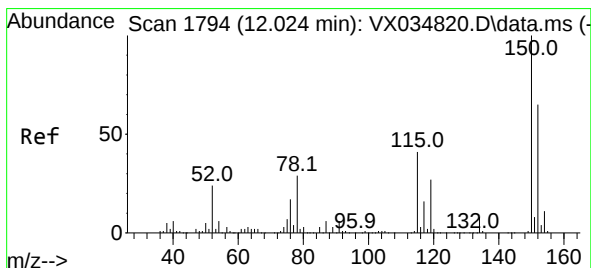
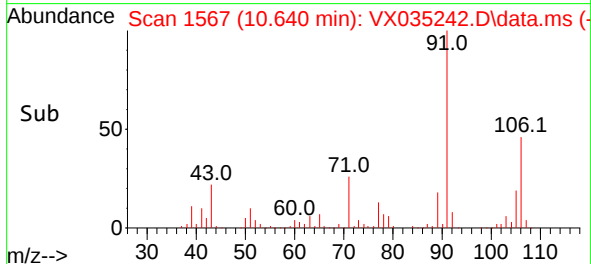
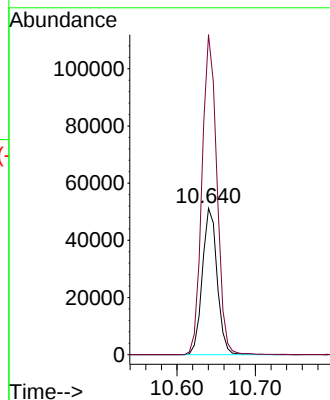
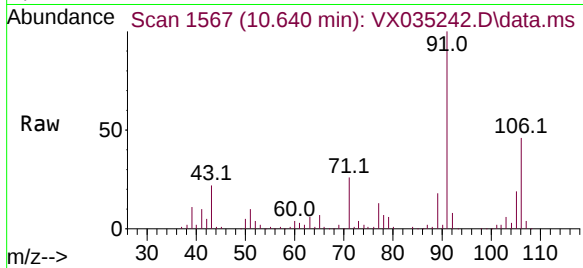




#69
o-Xylene
Concen: 11.786 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX035242.D
Acq: 21 Apr 2023 19:32

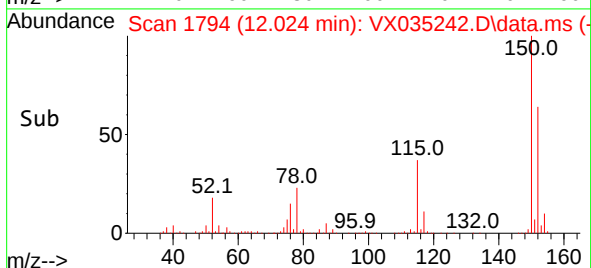
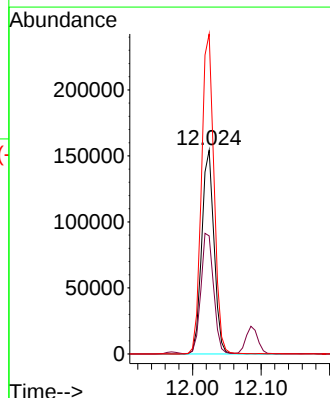
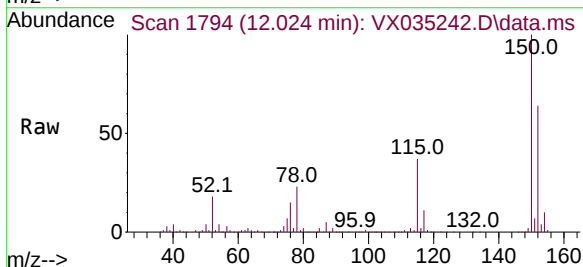
Instrument :
MSVOA_X
ClientSampleId :
SPB-6WC-23-04-17

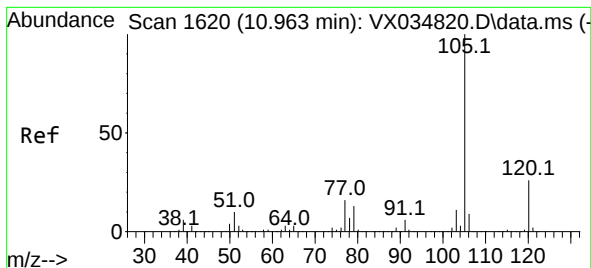
Tgt Ion:106 Resp: 67261
Ion Ratio Lower Upper
106 100
91 219.8 108.5 325.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX035242.D
Acq: 21 Apr 2023 19:32

Tgt Ion:152 Resp: 193238
Ion Ratio Lower Upper
152 100
115 60.8 45.0 135.0
150 159.8 0.0 352.4





#73

Isopropylbenzene

Concen: 2.312 ug/l

RT: 10.963 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX035242.D

Acq: 21 Apr 2023 19:32

Instrument :

MSVOA_X

ClientSampleId :

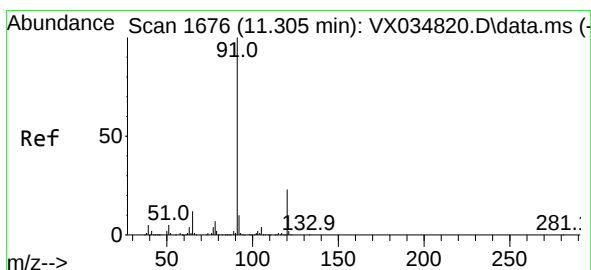
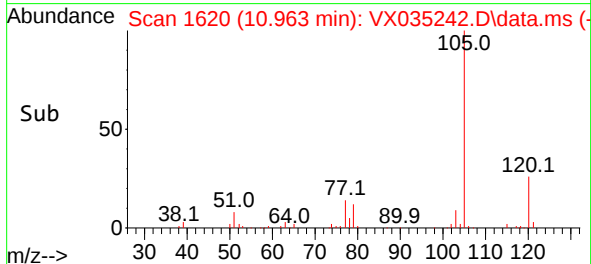
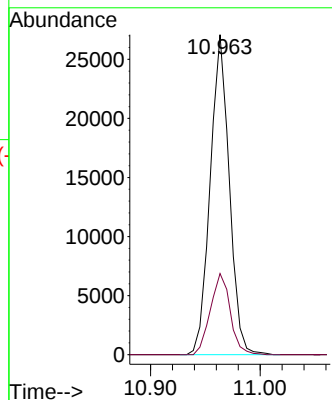
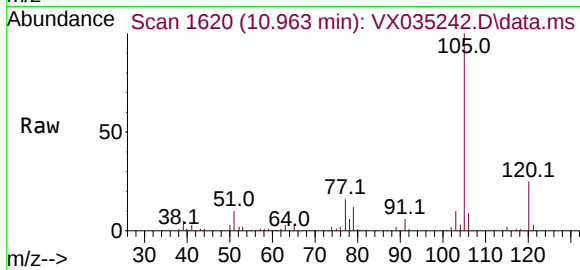
SPB-6WC-23-04-17

Tgt Ion:105 Resp: 32731

Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.9



#78

n-propylbenzene

Concen: 11.106 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX035242.D

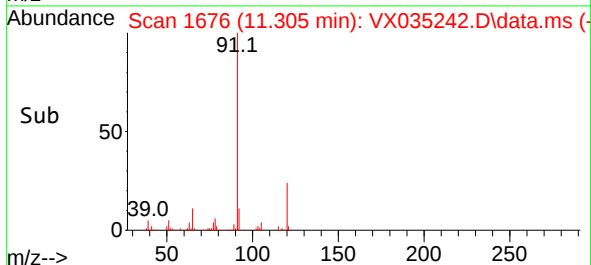
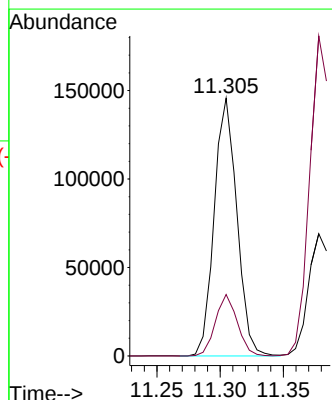
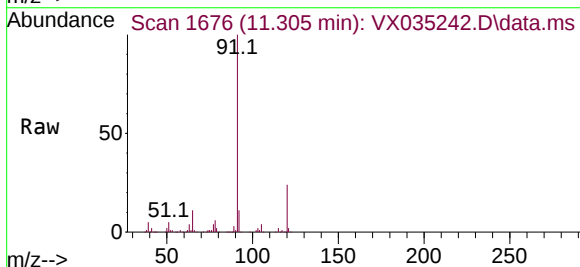
Acq: 21 Apr 2023 19:32

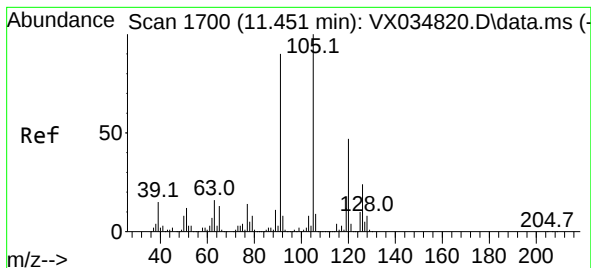
Tgt Ion: 91 Resp: 181605

Ion Ratio Lower Upper

91 100

120 23.0 11.5 34.5





#80

1,3,5-Trimethylbenzene

Concen: 36.021 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX035242.D

Acq: 21 Apr 2023 19:32

Instrument :

MSVOA_X

ClientSampleId :

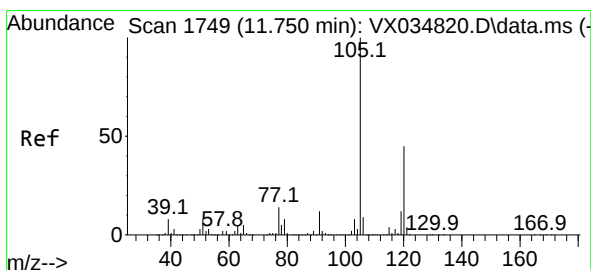
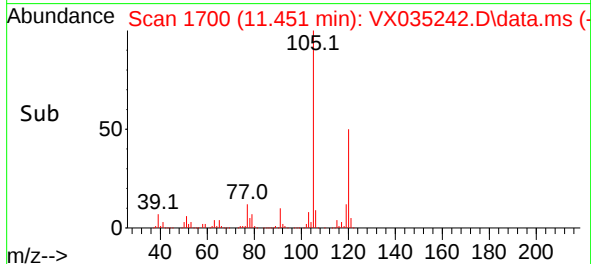
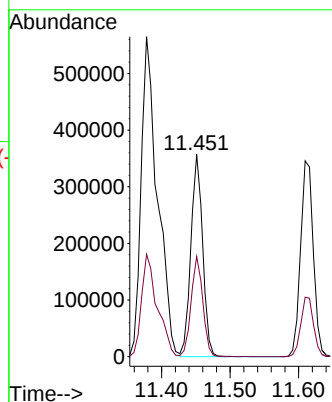
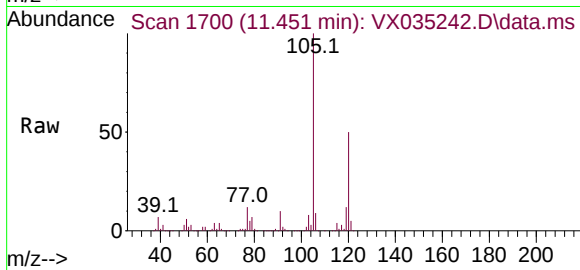
SPB-6WC-23-04-17

Tgt Ion:105 Resp: 426301

Ion Ratio Lower Upper

105 100

120 49.0 23.7 71.1



#84

1,2,4-Trimethylbenzene

Concen: 139.285 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX035242.D

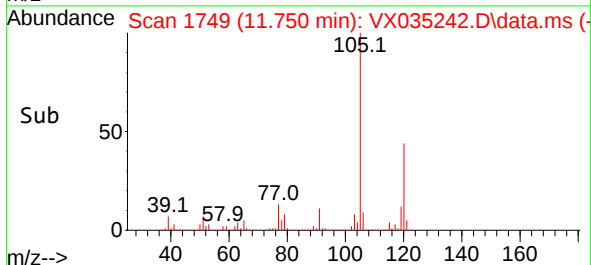
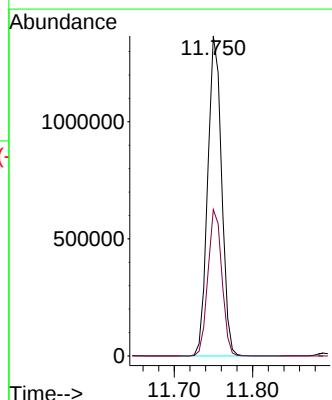
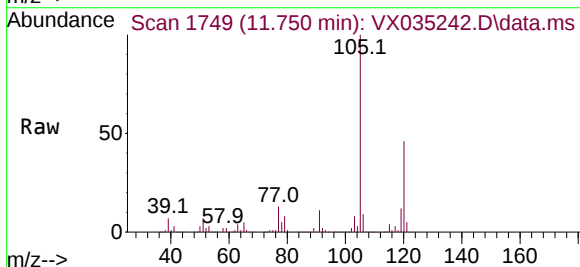
Acq: 21 Apr 2023 19:32

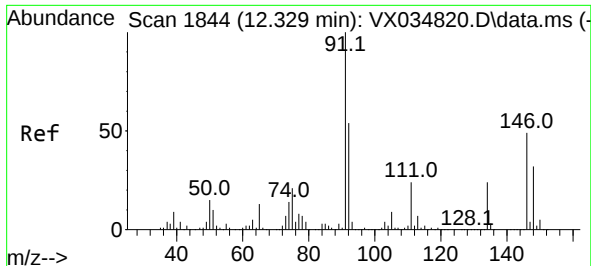
Tgt Ion:105 Resp: 1676346

Ion Ratio Lower Upper

105 100

120 45.9 22.4 67.0





#89

n-Butylbenzene

Concen: 3.348 ug/l

RT: 12.317 min Scan# 11

Delta R.T. -0.012 min

Lab File: VX035242.D

Acq: 21 Apr 2023 19:32

Instrument :

MSVOA_X

ClientSampleId :

SPB-6WC-23-04-17

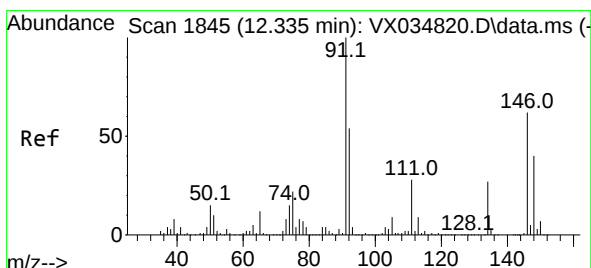
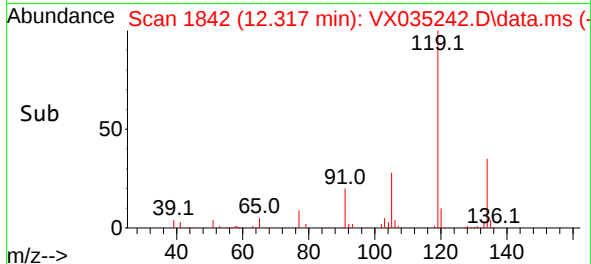
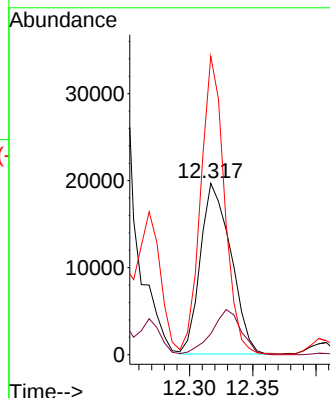
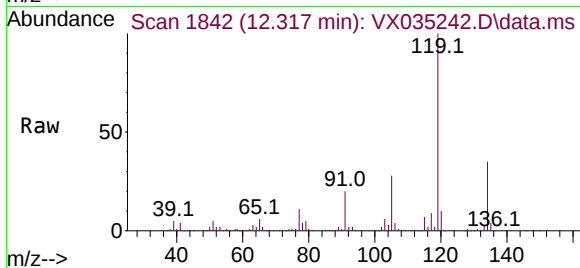
Tgt Ion: 91 Resp: 32982

Ion Ratio Lower Upper

91 100

92 25.6 27.7 83.0#

134 135.9 13.0 38.9#



#91

1,2-Dichlorobenzene

Concen: 0.503 ug/l

RT: 12.341 min Scan# 1846

Delta R.T. 0.006 min

Lab File: VX035242.D

Acq: 21 Apr 2023 19:32

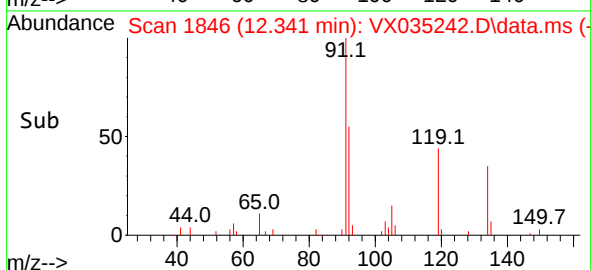
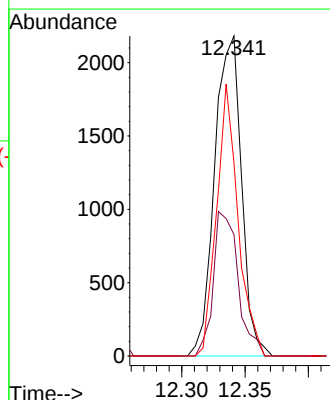
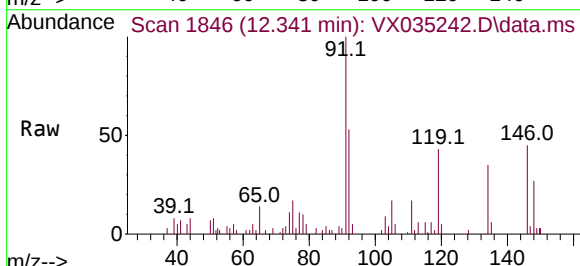
Tgt Ion:146 Resp: 3217

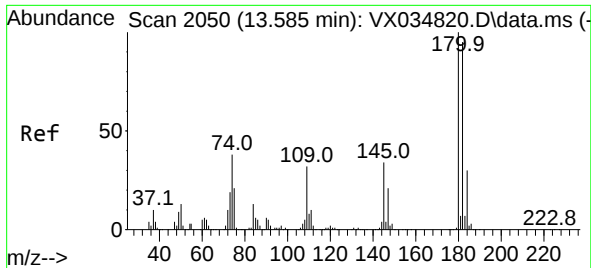
Ion Ratio Lower Upper

146 100

111 41.7 22.0 66.0

148 68.0 32.0 96.0





#93

1,2,4-Trichlorobenzene

Concen: 0.324 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX035242.D

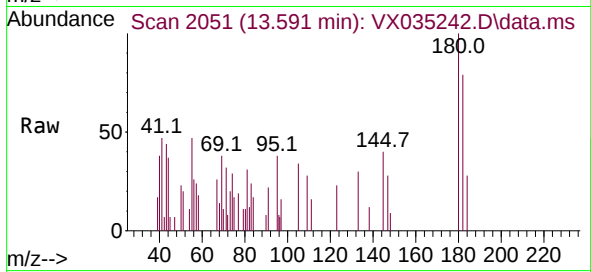
Acq: 21 Apr 2023 19:32

Instrument :

MSVOA_X

ClientSampleId :

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Tgt Ion:180 Resp: 1174

Ion Ratio Lower Upper

180 100

182 83.8 47.0 141.0

145 32.8 15.9 47.7

