

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042123\
 Data File : VX035241.D
 Acq On : 21 Apr 2023 19:09
 Operator : JC/MD
 Sample : 02386-09DL 4X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SPA-3WC-23-04DL

Quant Time: Apr 22 01:07:50 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)

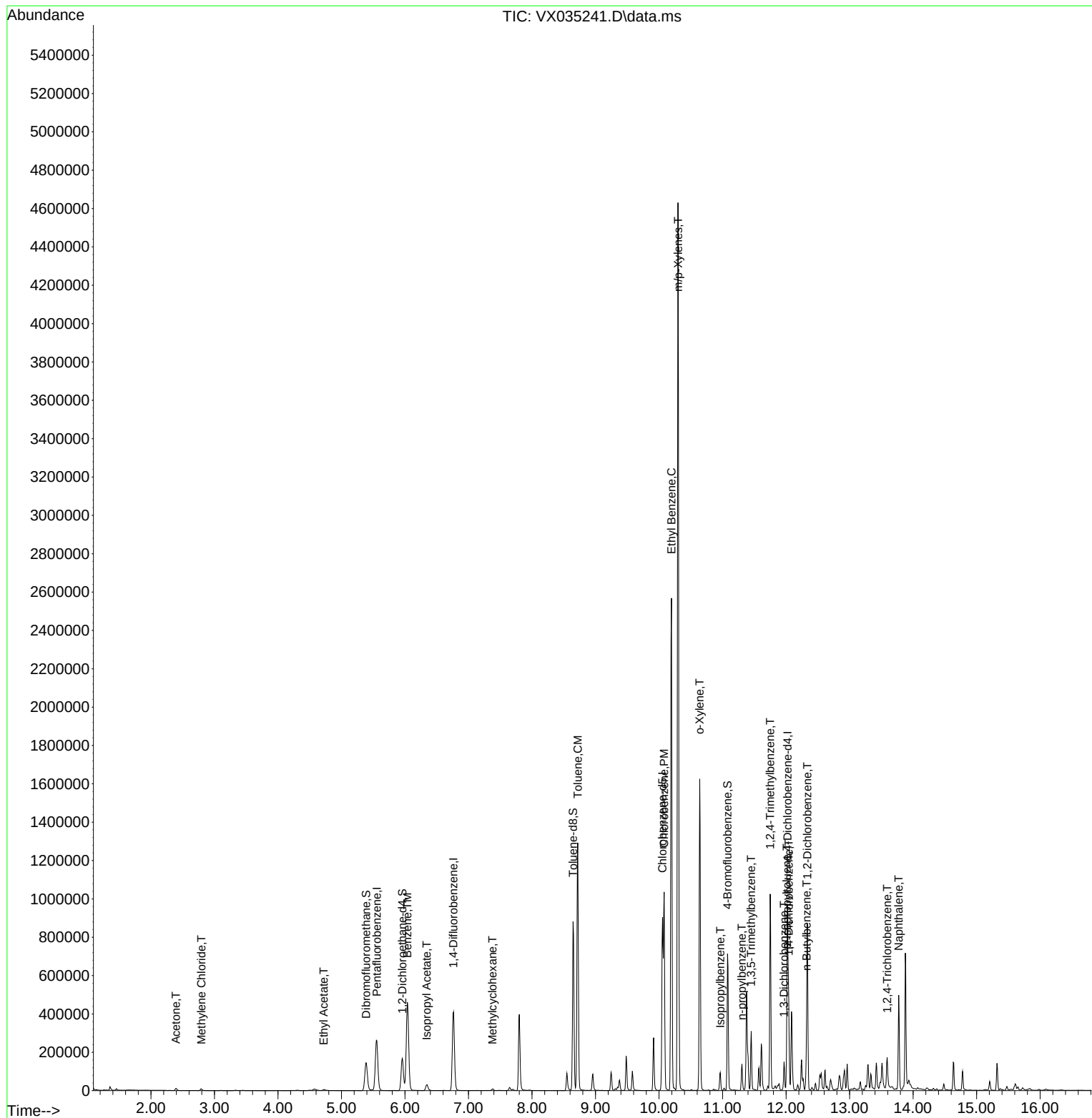
Internal Standards						
1) Pentafluorobenzene	5.556	168	256772	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	435277	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	398862	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	191347	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	159840	40.703	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	81.400%		
35) Dibromofluoromethane	5.385	113	131278	45.598	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.200%		
50) Toluene-d8	8.647	98	513301	48.303	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.600%		
62) 4-Bromofluorobenzene	11.079	95	196080	47.682	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.360%		
Target Compounds					Qvalue	
16) Acetone	2.392	43	14904	9.343	ug/l	99
20) Methylene Chloride	2.794	84	4238	1.346	ug/l	92
37) Ethyl Acetate	4.721	43	11001	2.467	ug/l #	77
39) Methylcyclohexane	7.379	83	3901	0.861	ug/l #	81
40) Benzene	6.038	78	564733	46.123	ug/l	98
43) Isopropyl Acetate	6.342	43	43498	5.830	ug/l	97
52) Toluene	8.720	92	501642	62.836	ug/l	97
65) Chlorobenzene	10.080	112	439714	52.985	ug/l	100
67) Ethyl Benzene	10.195	91	1487996	98.977	ug/l	100
68) m/p-Xylenes	10.299	106	1030830	179.501	ug/l	98
69) o-Xylene	10.640	106	338856	60.233	ug/l	99
73) Isopropylbenzene	10.964	105	48856	3.486	ug/l	98
78) n-propylbenzene	11.305	91	75003	4.632	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	127824	10.907	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	436328	36.612	ug/l	98
86) p-Isopropyltoluene	12.012	119	23105	2.070	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	29272	4.628	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	138931	21.032	ug/l	99
89) n-Butylbenzene	12.323	91	14285	1.465	ug/l #	22
91) 1,2-Dichlorobenzene	12.335	146	262425	41.428	ug/l	99
93) 1,2,4-Trichlorobenzene	13.591	180	12625	3.524	ug/l	97
95) Naphthalene	13.774	128	296184	23.266	ug/l	100

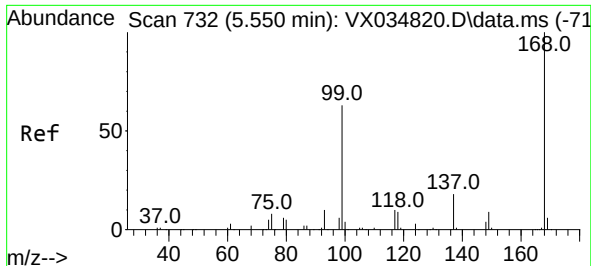
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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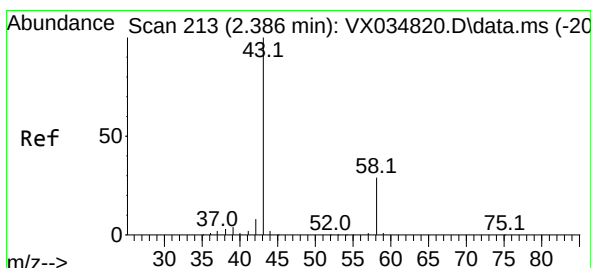
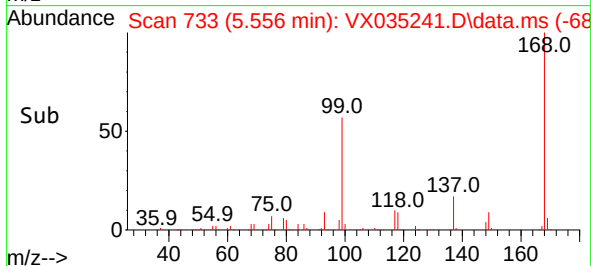
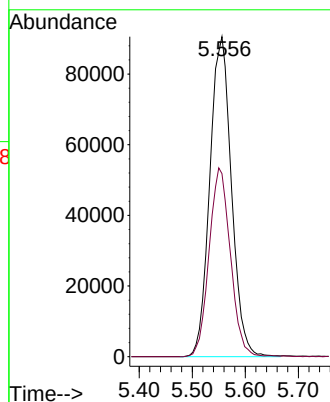
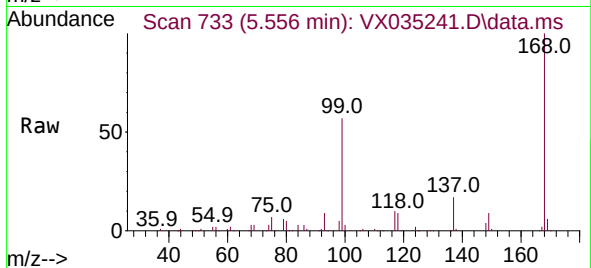




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX035241.D
Acq: 21 Apr 2023 19:09

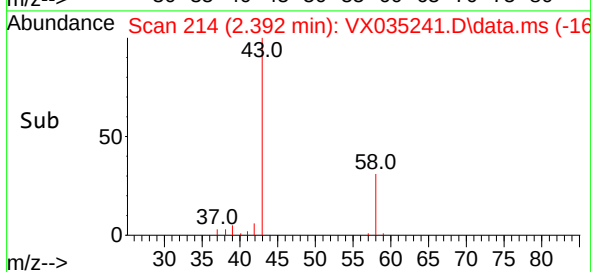
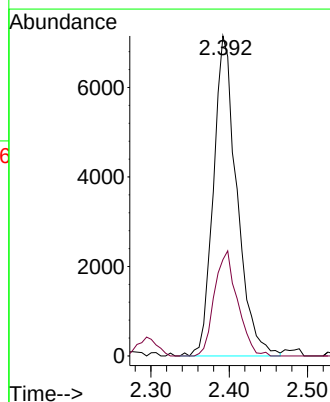
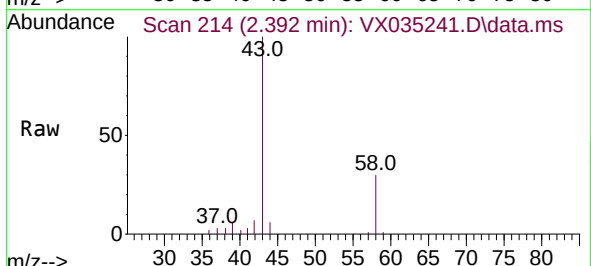
Instrument :
MSVOA_X
ClientSampleId :
SPA-3WC-23-04DL

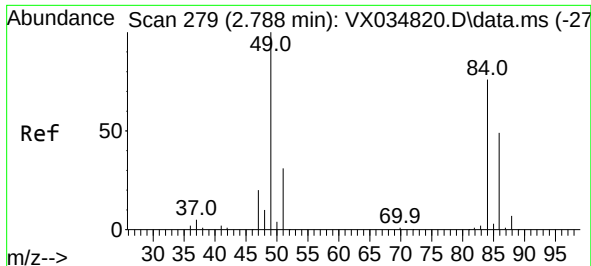
Tgt Ion:168 Resp: 256772
Ion Ratio Lower Upper
168 100
99 57.2 45.7 68.5



#16
Acetone
Concen: 9.343 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX035241.D
Acq: 21 Apr 2023 19:09

Tgt Ion: 43 Resp: 14904
Ion Ratio Lower Upper
43 100
58 30.1 24.7 37.1

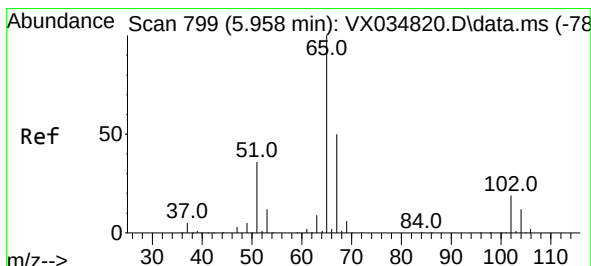
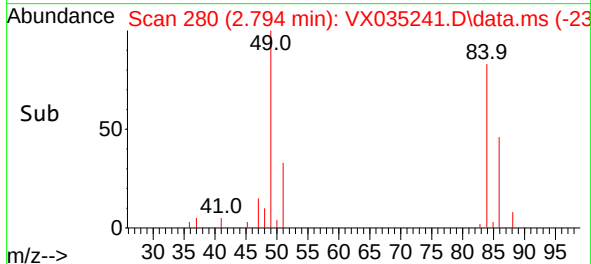
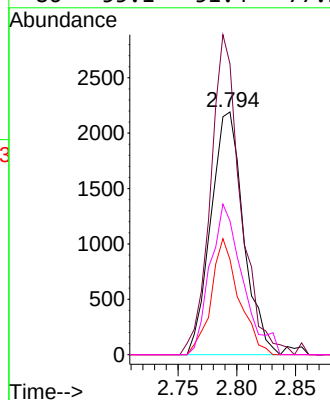
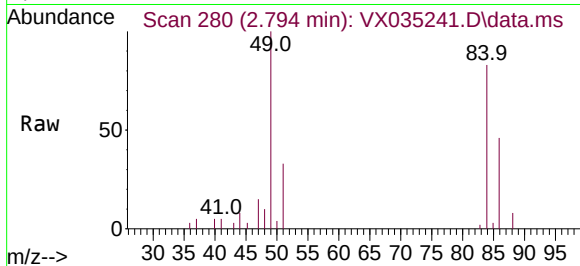




#20
Methylene Chloride
Concen: 1.346 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX035241.D
Acq: 21 Apr 2023 19:09

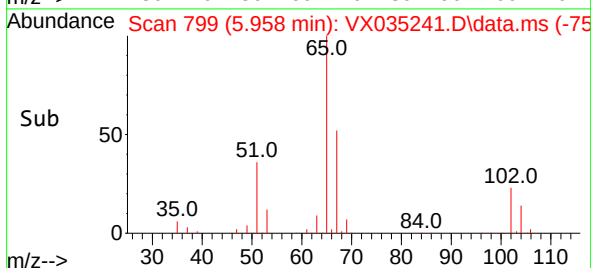
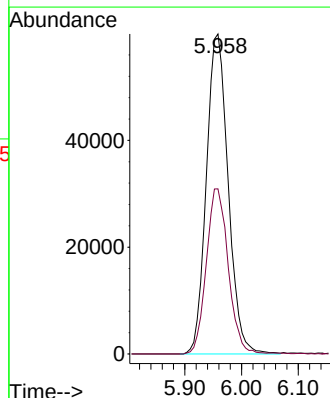
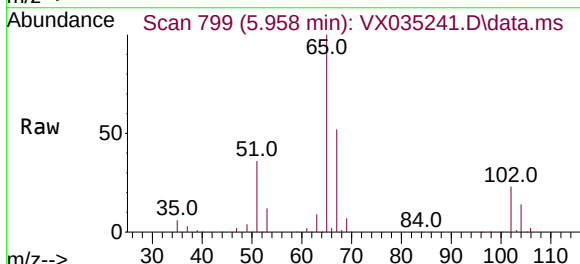
Instrument :
MSVOA_X
ClientSampleId :
SPA-3WC-23-04DL

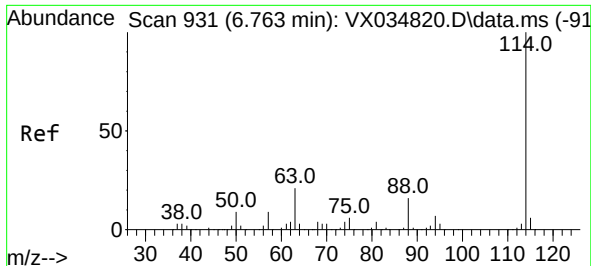
Tgt Ion: 84	Resp: 4238		
Ion	Ratio	Lower	Upper
84	100		
49	119.9	103.8	155.8
51	39.3	31.8	47.8
86	55.1	51.4	77.2



#33
1,2-Dichloroethane-d4
Concen: 40.703 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX035241.D
Acq: 21 Apr 2023 19:09

Tgt Ion: 65	Resp: 159840
Ion Ratio	Lower Upper
65 100	
67 52.0	0.0 104.0

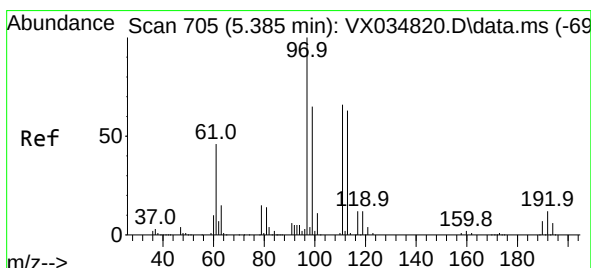
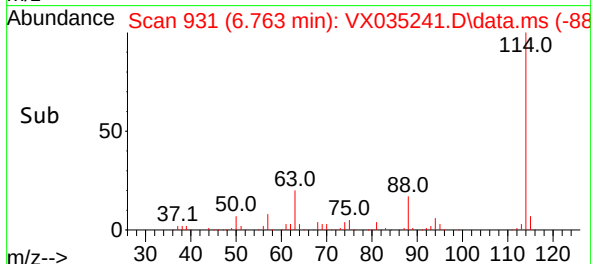
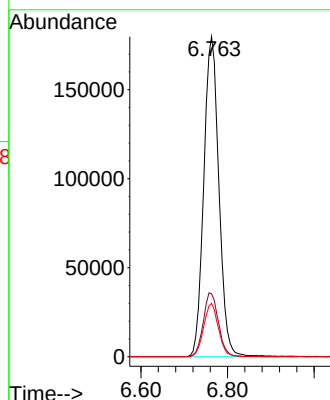
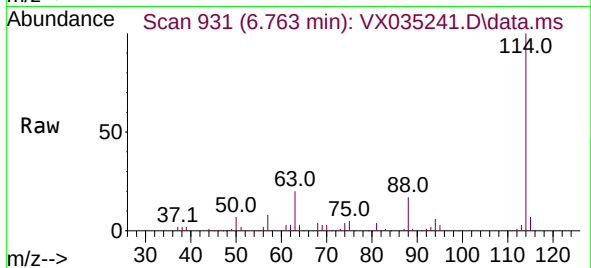




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX035241.D
Acq: 21 Apr 2023 19:09

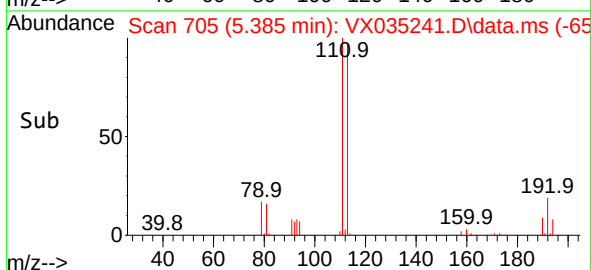
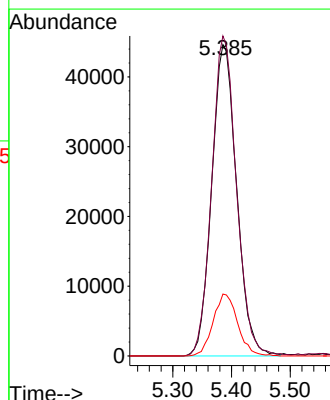
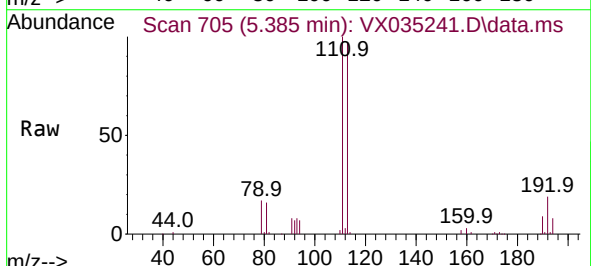
Instrument :
MSVOA_X
ClientSampleId :
SPA-3WC-23-04DL

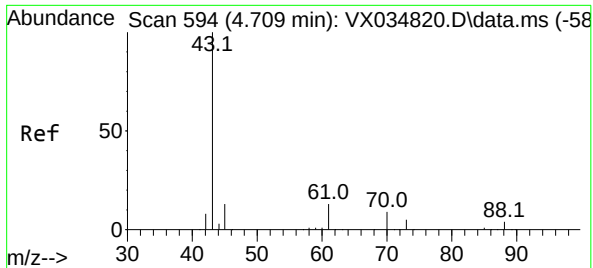
Tgt Ion:114 Resp: 435277
Ion Ratio Lower Upper
114 100
63 19.7 0.0 42.2
88 16.6 0.0 33.2



#35
Dibromofluoromethane
Concen: 45.598 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035241.D
Acq: 21 Apr 2023 19:09

Tgt Ion:113 Resp: 131278
Ion Ratio Lower Upper
113 100
111 102.2 83.7 125.5
192 19.6 15.4 23.2





#37

Ethyl Acetate

Concen: 2.467 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.012 min

Lab File: VX035241.D

Acq: 21 Apr 2023 19:09

Instrument :

MSVOA_X

ClientSampleId :

SPA-3WC-23-04DL

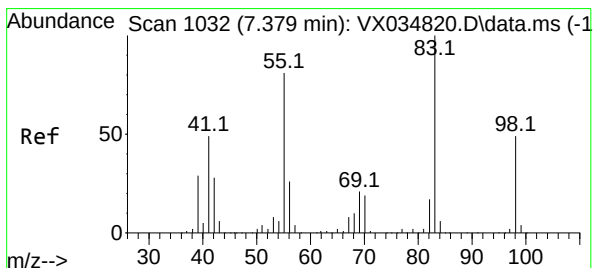
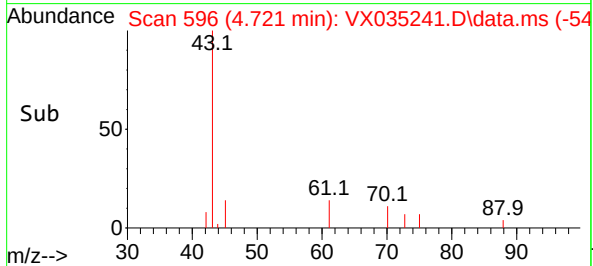
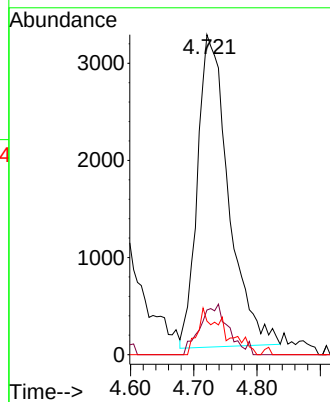
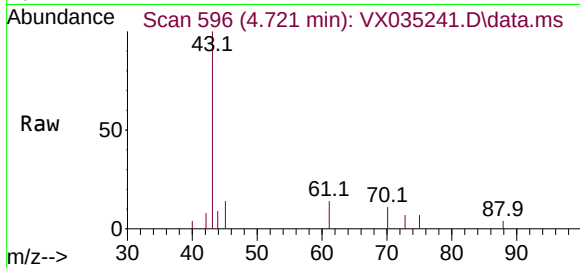
Tgt Ion: 43 Resp: 11001

Ion Ratio Lower Upper

43 100

61 0.0 10.2 15.4#

70 5.8 8.2 12.4#



#39

Methylcyclohexane

Concen: 0.861 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. 0.000 min

Lab File: VX035241.D

Acq: 21 Apr 2023 19:09

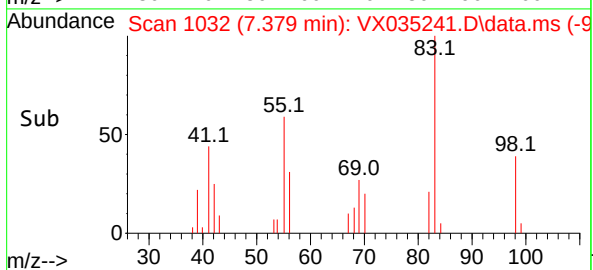
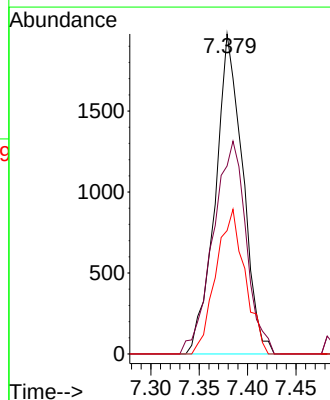
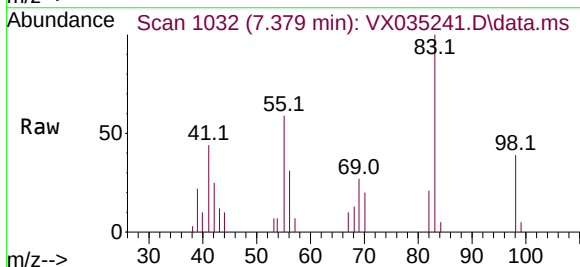
Tgt Ion: 83 Resp: 3901

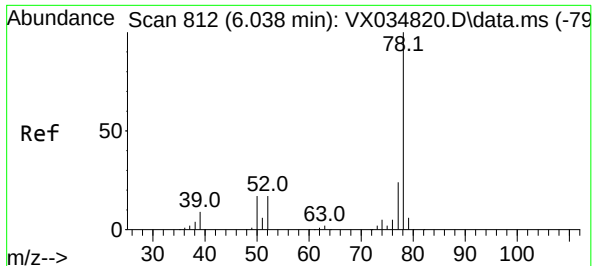
Ion Ratio Lower Upper

83 100

55 58.8 60.5 90.7#

98 38.6 40.4 60.6#





#40

Benzene

Concen: 46.123 ug/l

RT: 6.038 min Scan# 812

Delta R.T. 0.000 min

Lab File: VX035241.D

Acq: 21 Apr 2023 19:09

Instrument :

MSVOA_X

ClientSampleId :

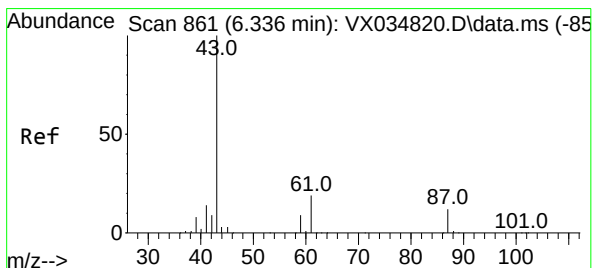
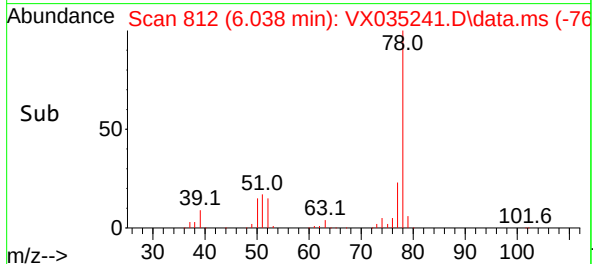
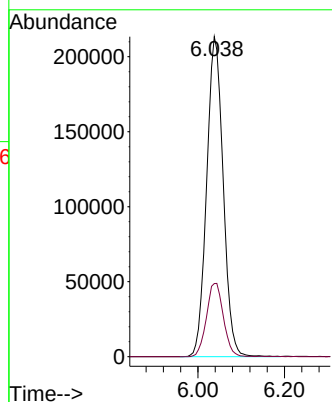
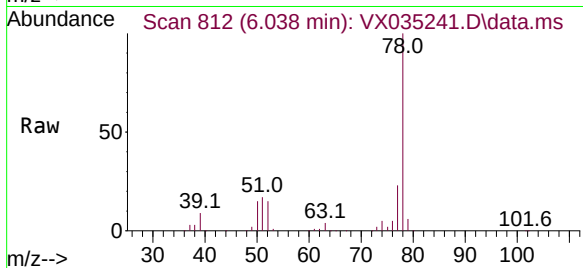
SPA-3WC-23-04DL

Tgt Ion: 78 Resp: 564733

Ion Ratio Lower Upper

78 100

77 22.9 19.0 28.4



#43

Isopropyl Acetate

Concen: 5.830 ug/l

RT: 6.342 min Scan# 862

Delta R.T. 0.006 min

Lab File: VX035241.D

Acq: 21 Apr 2023 19:09

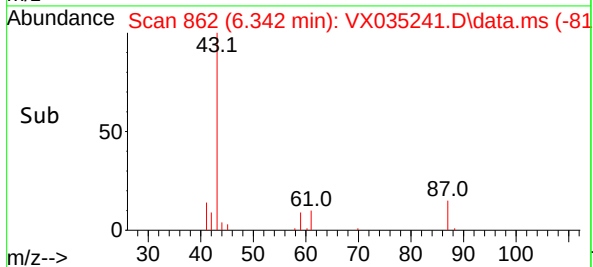
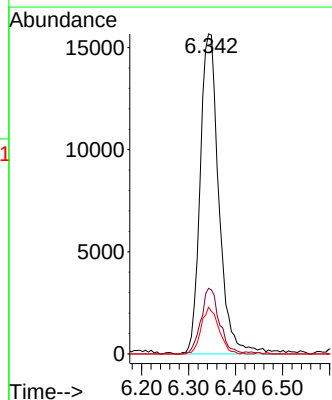
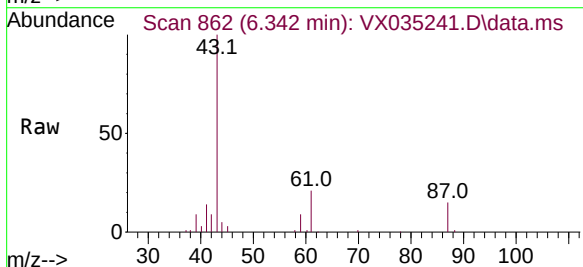
Tgt Ion: 43 Resp: 43498

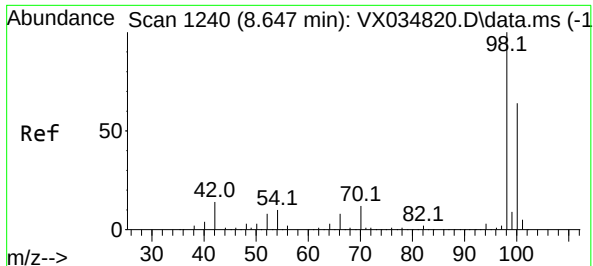
Ion Ratio Lower Upper

43 100

61 20.0 15.2 22.8

87 13.7 9.8 14.8

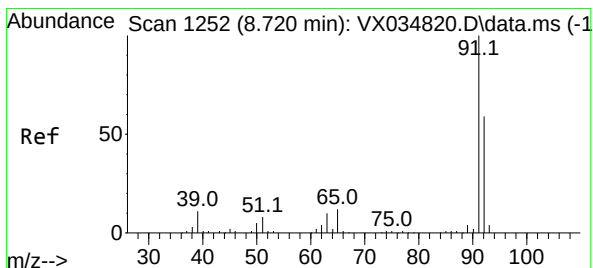
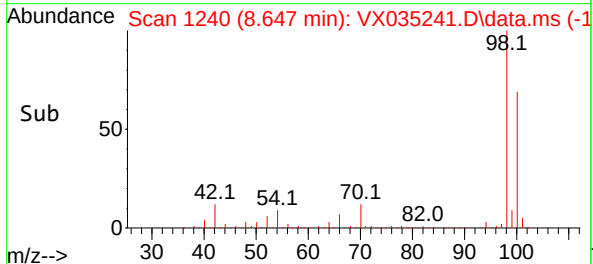
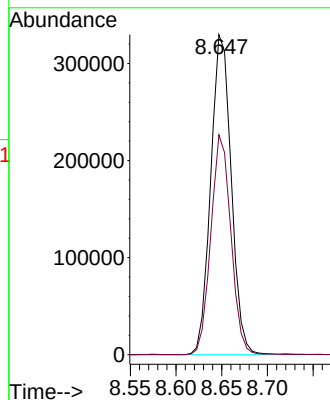
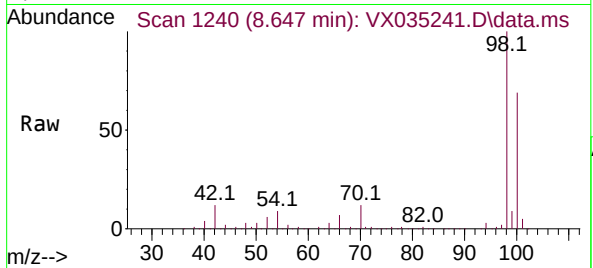




#50
Toluene-d8
Concen: 48.303 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX035241.D
Acq: 21 Apr 2023 19:09

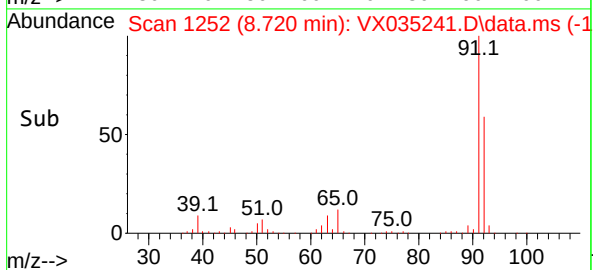
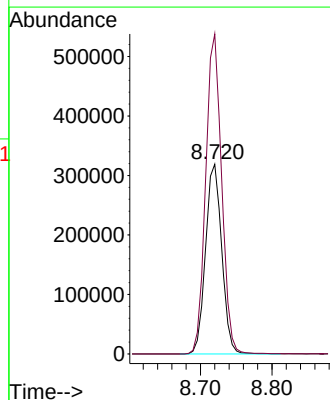
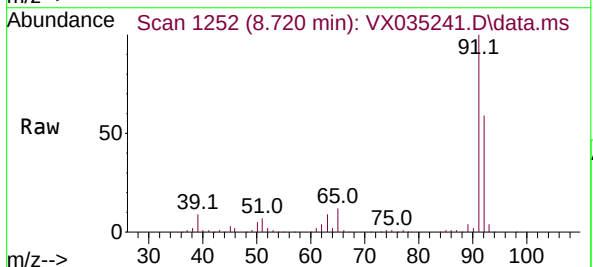
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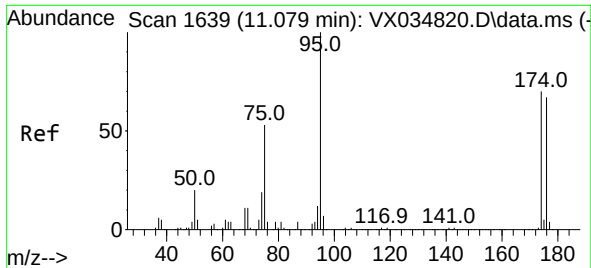
Tgt Ion: 98 Resp: 513301
Ion Ratio Lower Upper
98 100
100 67.3 52.5 78.7



#52
Toluene
Concen: 62.836 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX035241.D
Acq: 21 Apr 2023 19:09

Tgt Ion: 92 Resp: 501642
Ion Ratio Lower Upper
92 100
91 166.3 136.8 205.2

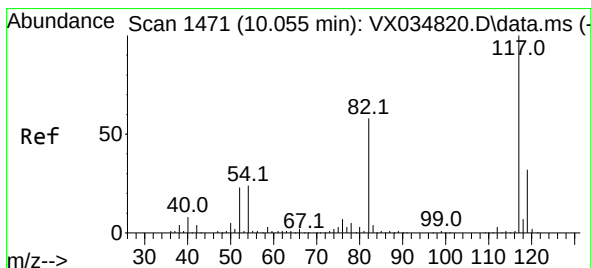
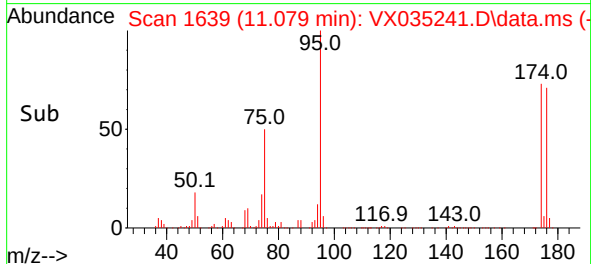
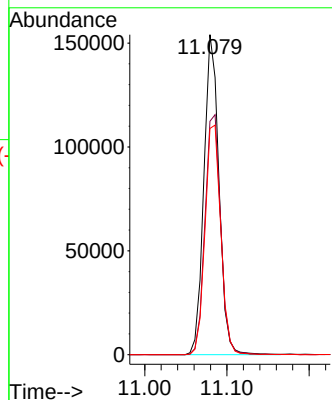
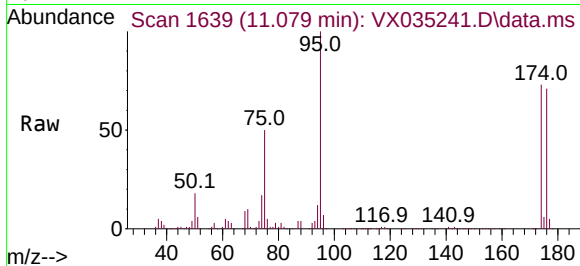




#62
4-Bromofluorobenzene
Concen: 47.682 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX035241.D
Acq: 21 Apr 2023 19:09

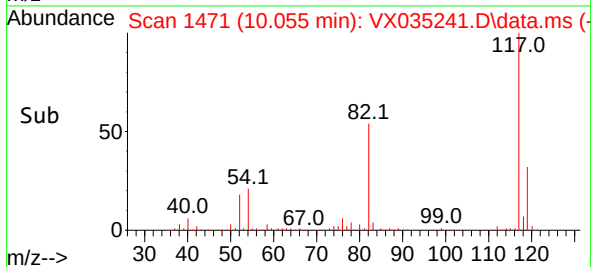
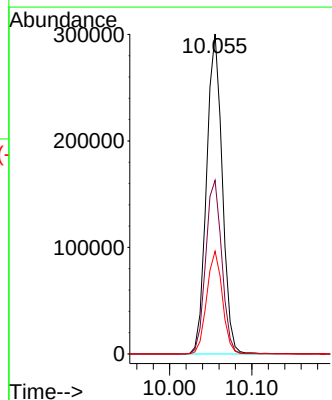
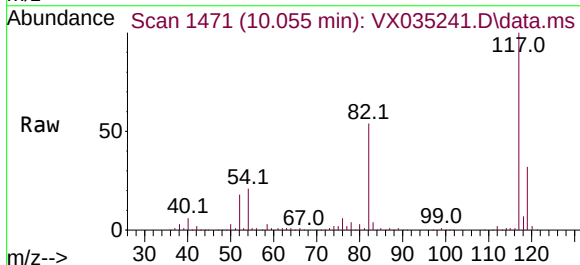
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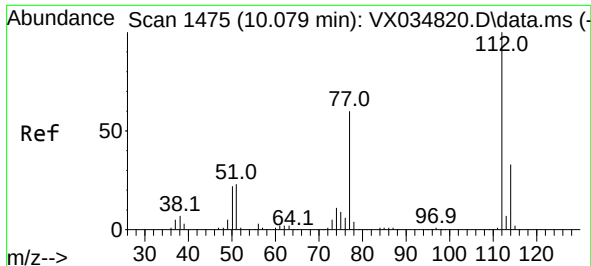
Tgt Ion: 95 Resp: 196080
Ion Ratio Lower Upper
95 100
174 78.3 0.0 147.4
176 75.1 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX035241.D
Acq: 21 Apr 2023 19:09

Tgt Ion: 117 Resp: 398862
Ion Ratio Lower Upper
117 100
82 54.2 45.0 67.4
119 32.1 26.0 39.0

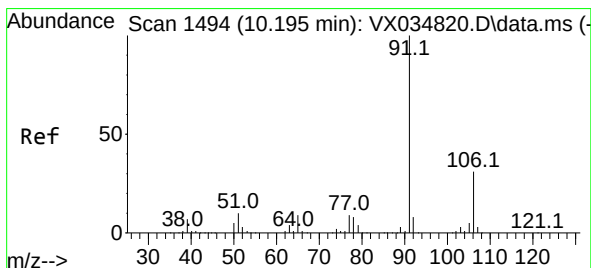
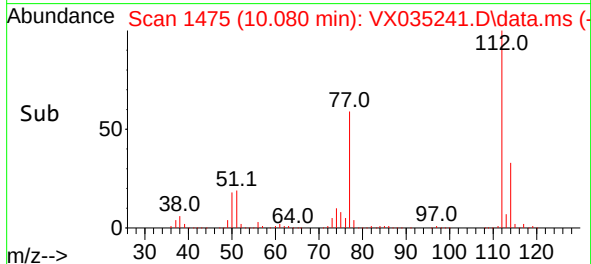
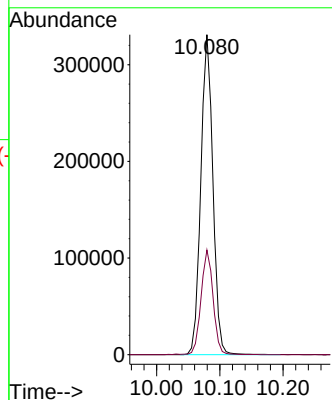
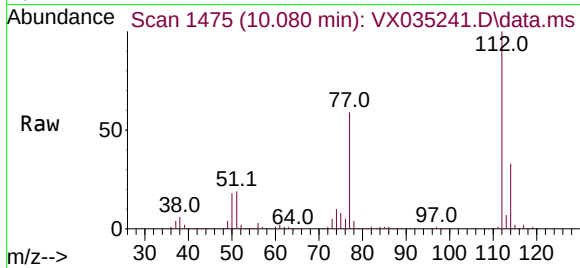




#65
Chlorobenzene
Concen: 52.985 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX035241.D
Acq: 21 Apr 2023 19:09

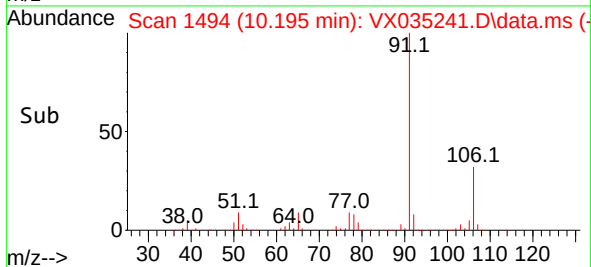
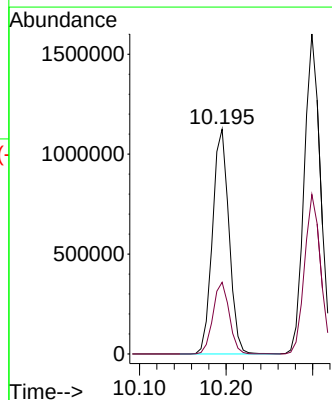
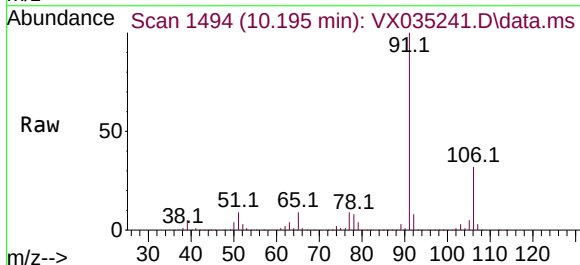
Instrument :
MSVOA_X
ClientSampleId :
SPA-3WC-23-04DL

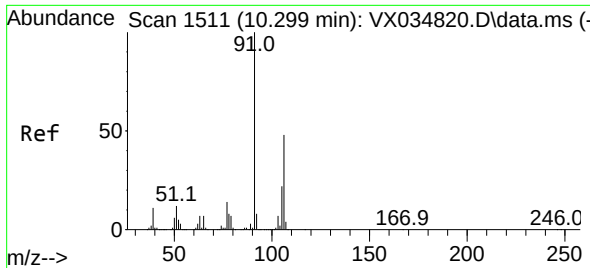
Tgt Ion:112 Resp: 439714
Ion Ratio Lower Upper
112 100
114 32.7 26.2 39.2



#67
Ethyl Benzene
Concen: 98.977 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX035241.D
Acq: 21 Apr 2023 19:09

Tgt Ion: 91 Resp: 1487996
Ion Ratio Lower Upper
91 100
106 31.9 25.6 38.4

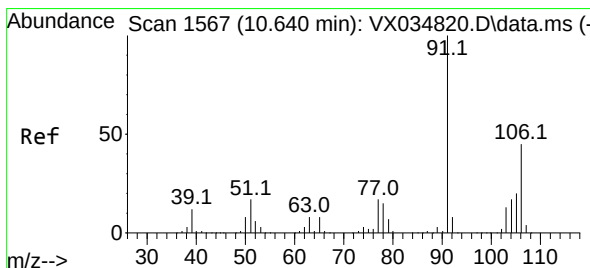
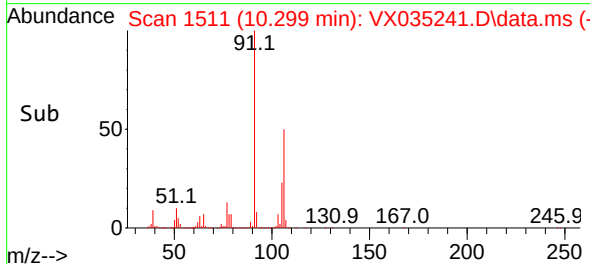
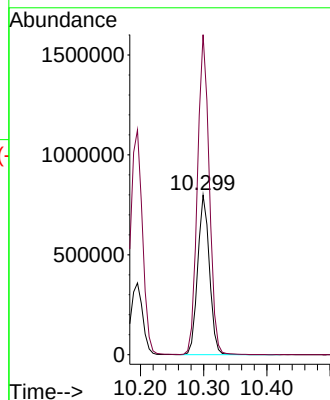
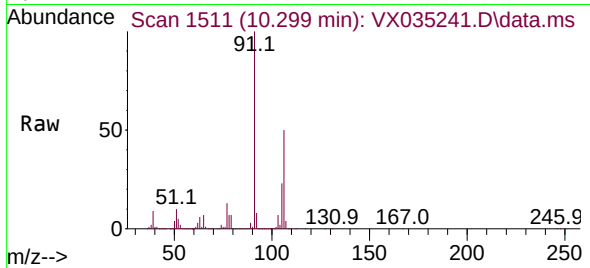




#68
m/p-Xylenes
Concen: 179.501 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX035241.D
Acq: 21 Apr 2023 19:09

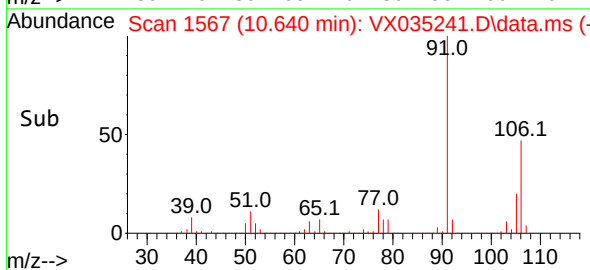
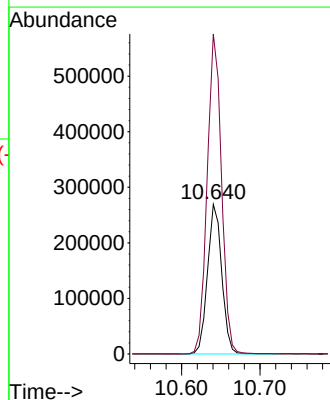
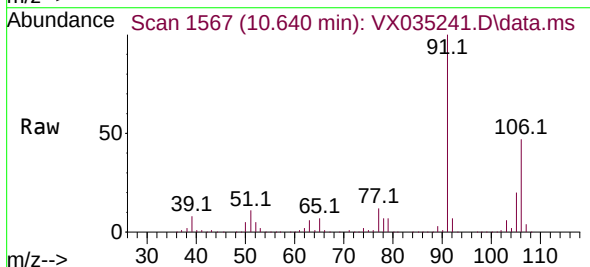
Instrument :
MSVOA_X
ClientSampleId :
SPA-3WC-23-04DL

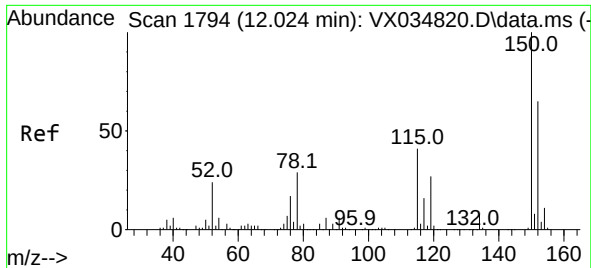
Tgt Ion:106 Resp: 1030830
Ion Ratio Lower Upper
106 100
91 201.9 164.0 246.0



#69
o-Xylene
Concen: 60.233 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX035241.D
Acq: 21 Apr 2023 19:09

Tgt Ion:106 Resp: 338856
Ion Ratio Lower Upper
106 100
91 215.2 108.5 325.3

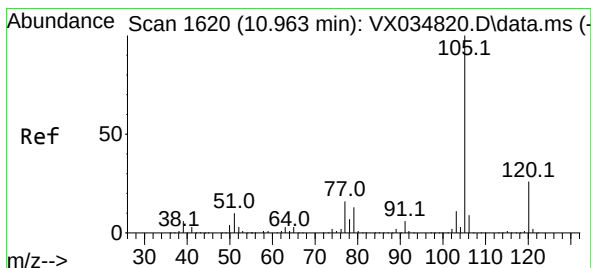
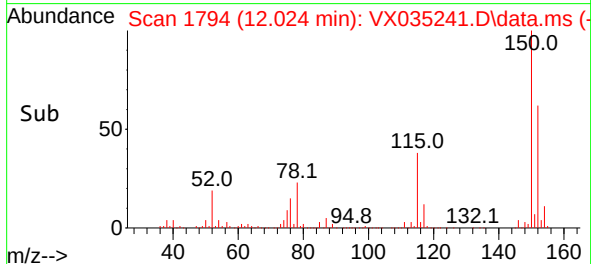
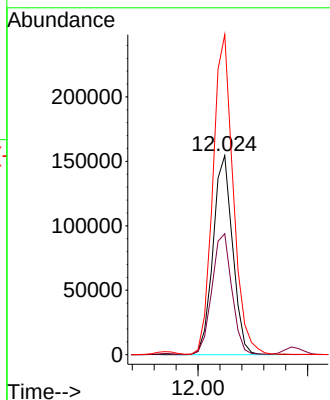
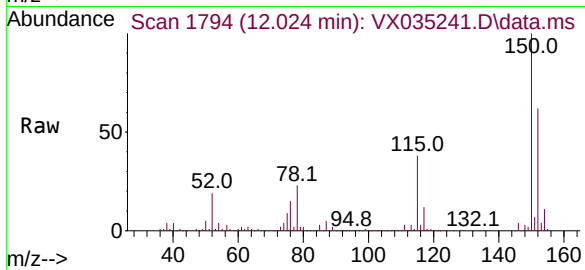




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX035241.D
Acq: 21 Apr 2023 19:09

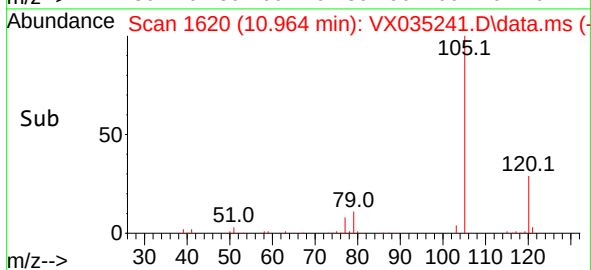
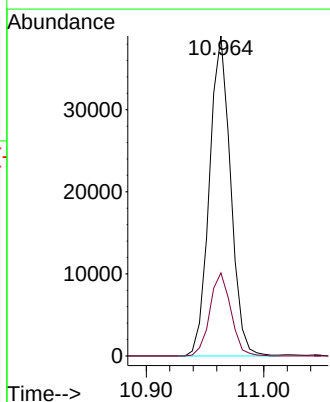
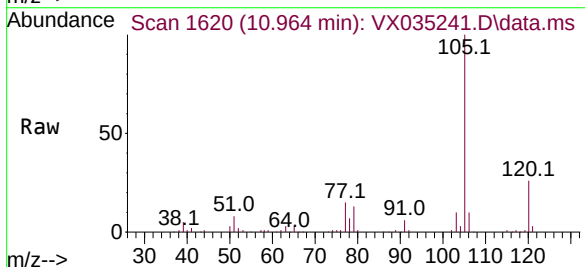
Instrument :
MSVOA_X
ClientSampleId :
SPA-3WC-23-04DL

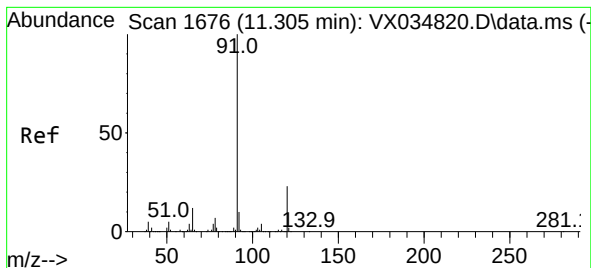
Tgt Ion:152 Resp: 191347
Ion Ratio Lower Upper
152 100
115 61.8 45.0 135.0
150 166.7 0.0 352.4



#73
Isopropylbenzene
Concen: 3.486 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.001 min
Lab File: VX035241.D
Acq: 21 Apr 2023 19:09

Tgt Ion:105 Resp: 48856
Ion Ratio Lower Upper
105 100
120 25.7 13.3 39.9





#78

n-propylbenzene

Concen: 4.632 ug/l

RT: 11.305 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX035241.D

Acq: 21 Apr 2023 19:09

Instrument :

MSVOA_X

ClientSampleId :

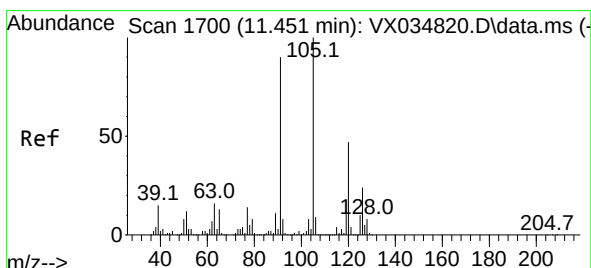
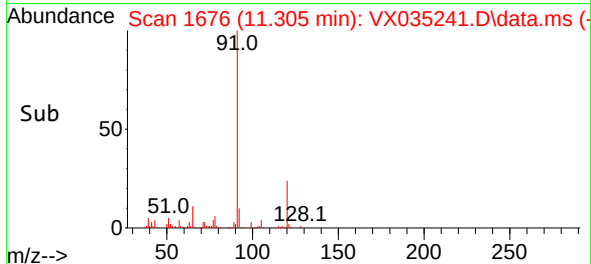
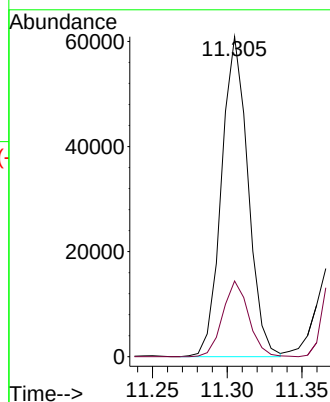
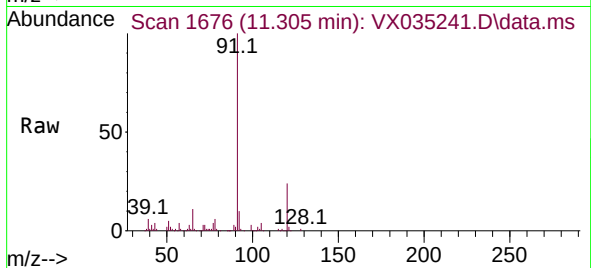
SPA-3WC-23-04DL

Tgt Ion: 91 Resp: 75003

Ion Ratio Lower Upper

91 100

120 23.2 11.5 34.5



#80

1,3,5-Trimethylbenzene

Concen: 10.907 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX035241.D

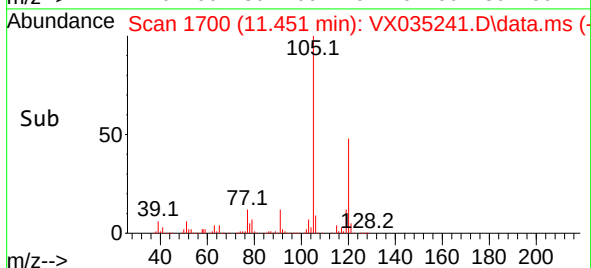
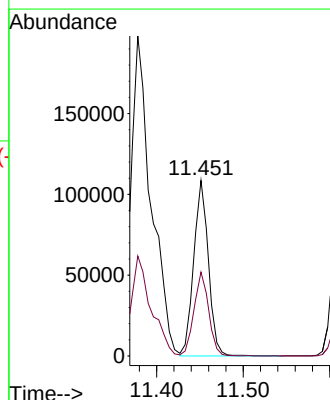
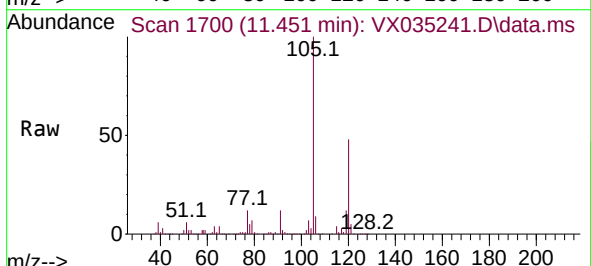
Acq: 21 Apr 2023 19:09

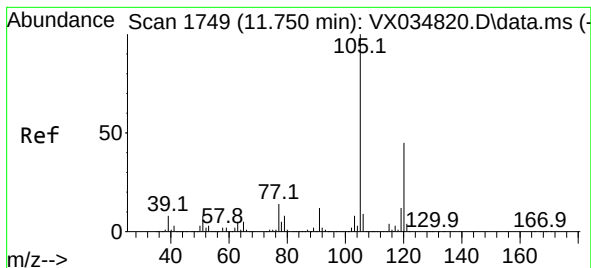
Tgt Ion: 105 Resp: 127824

Ion Ratio Lower Upper

105 100

120 47.7 23.7 71.1





#84

1,2,4-Trimethylbenzene

Concen: 36.612 ug/l

RT: 11.750 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX035241.D

Acq: 21 Apr 2023 19:09

Instrument :

MSVOA_X

ClientSampleId :

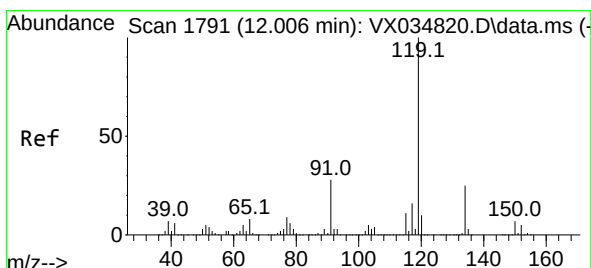
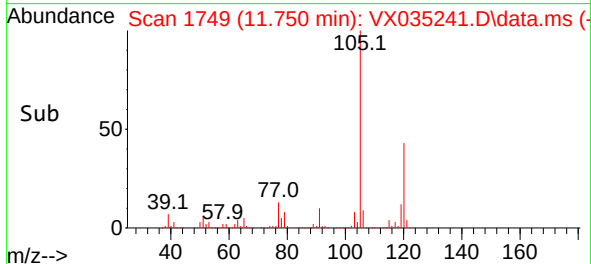
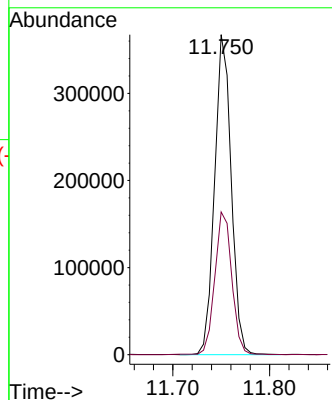
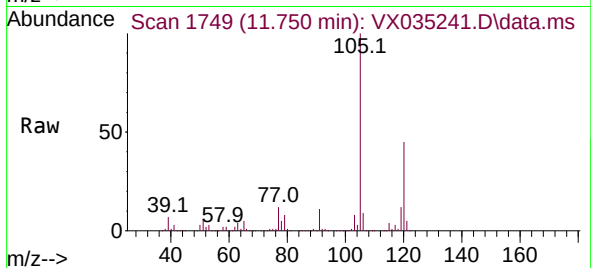
SPA-3WC-23-04DL

Tgt Ion:105 Resp: 436328

Ion Ratio Lower Upper

105 100

120 45.8 22.4 67.0



#86

p-Isopropyltoluene

Concen: 2.070 ug/l

RT: 12.012 min Scan# 1792

Delta R.T. 0.006 min

Lab File: VX035241.D

Acq: 21 Apr 2023 19:09

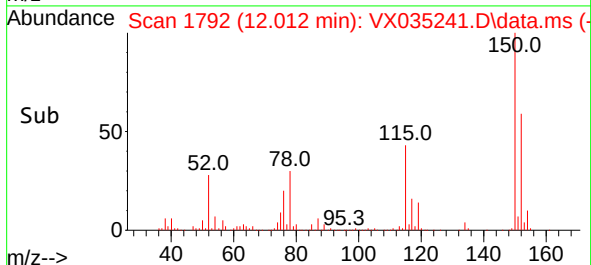
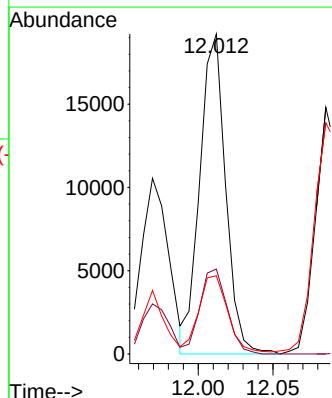
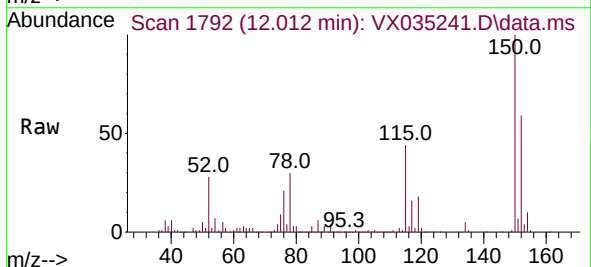
Tgt Ion:119 Resp: 23105

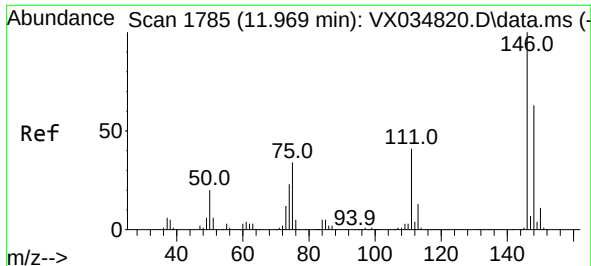
Ion Ratio Lower Upper

119 100

134 28.1 13.2 39.5

91 28.1 12.9 38.7

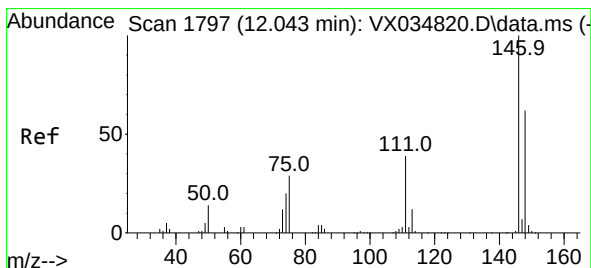
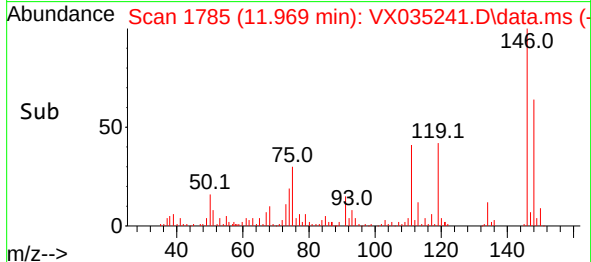
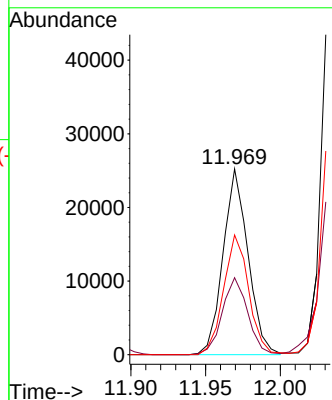
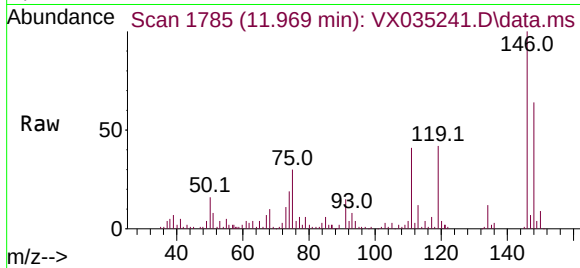




#87
1,3-Dichlorobenzene
Concen: 4.628 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX035241.D
Acq: 21 Apr 2023 19:09

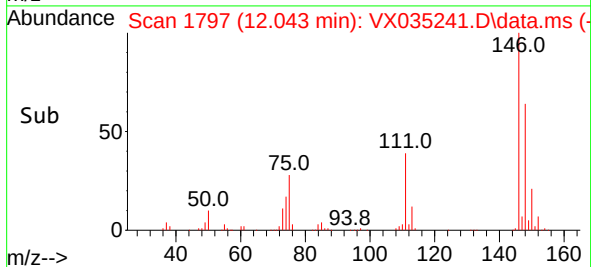
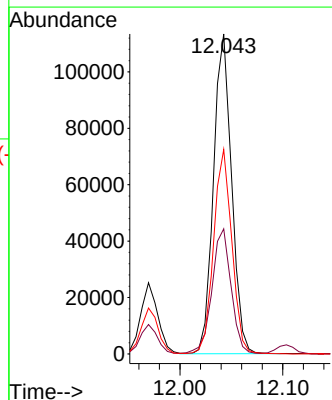
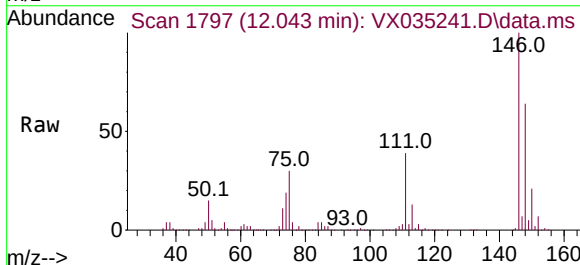
Instrument :
MSVOA_X
ClientSampleId :
SPA-3WC-23-04DL

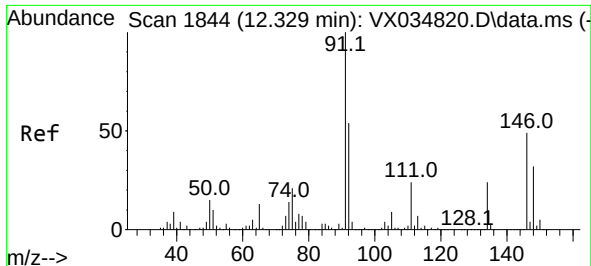
Tgt Ion:146 Resp: 29272
Ion Ratio Lower Upper
146 100
111 42.4 20.9 62.8
148 65.2 31.6 95.0



#88
1,4-Dichlorobenzene
Concen: 21.032 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX035241.D
Acq: 21 Apr 2023 19:09

Tgt Ion:146 Resp: 138931
Ion Ratio Lower Upper
146 100
111 41.5 20.6 61.9
148 64.4 31.8 95.4





#89

n-Butylbenzene

Concen: 1.465 ug/l

RT: 12.323 min Scan# 1843

Delta R.T. -0.006 min

Lab File: VX035241.D

Acq: 21 Apr 2023 19:09

Instrument :

MSVOA_X

ClientSampleId :

SPA-3WC-23-04DL

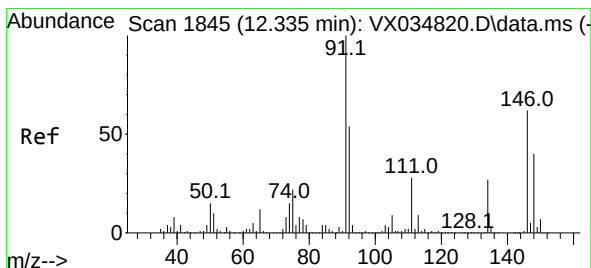
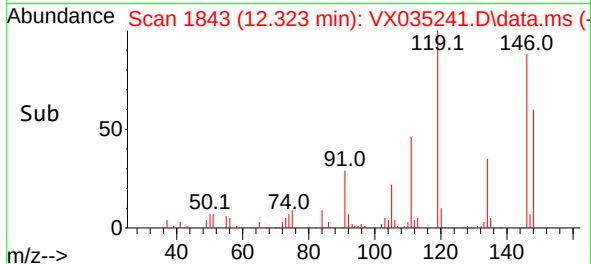
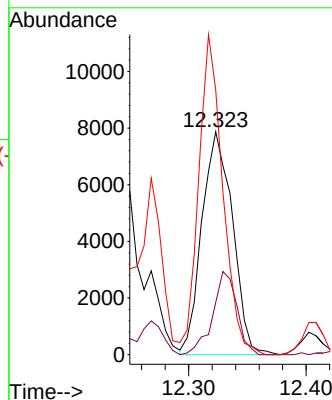
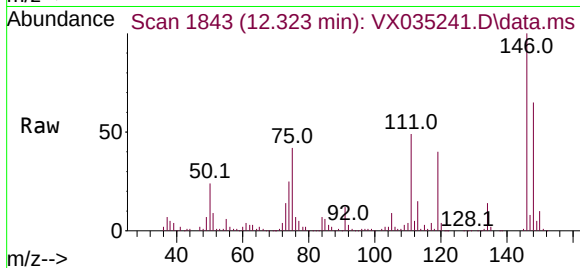
Tgt Ion: 91 Resp: 14285

Ion Ratio Lower Upper

91 100

92 29.5 27.7 83.0

134 112.3 13.0 38.9#



#91

1,2-Dichlorobenzene

Concen: 41.428 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX035241.D

Acq: 21 Apr 2023 19:09

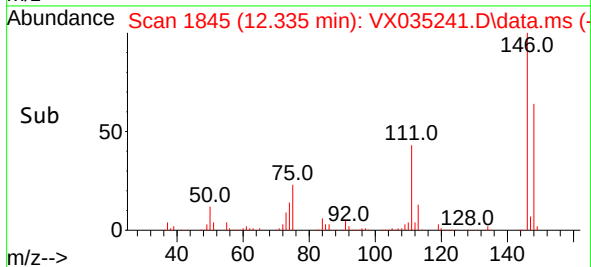
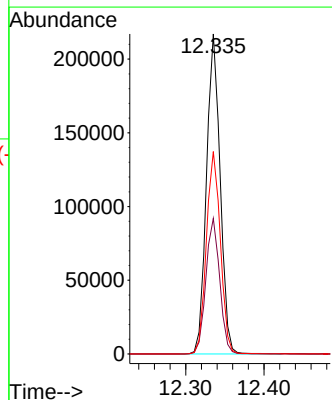
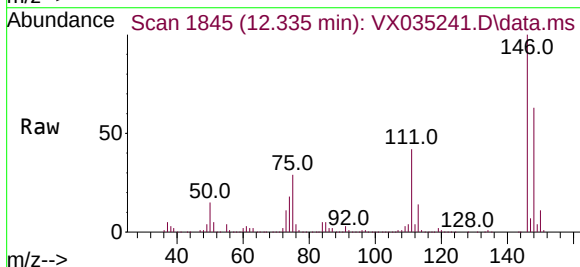
Tgt Ion:146 Resp: 262425

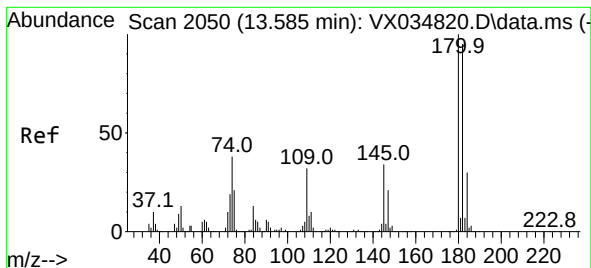
Ion Ratio Lower Upper

146 100

111 42.9 22.0 66.0

148 64.6 32.0 96.0





#93

1,2,4-Trichlorobenzene

Concen: 3.524 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX035241.D

Acq: 21 Apr 2023 19:09

Instrument :

MSVOA_X

ClientSampleId :

SPA-3WC-23-04DL

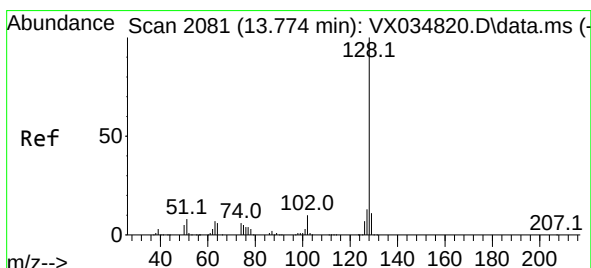
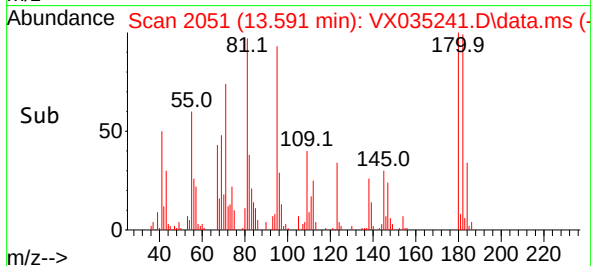
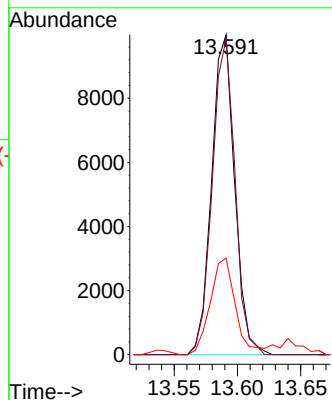
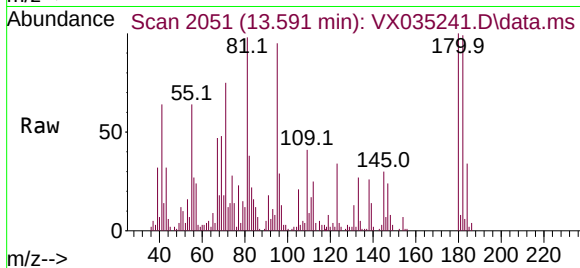
Tgt Ion:180 Resp: 12625

Ion Ratio Lower Upper

180 100

182 97.1 47.0 141.0

145 33.1 15.9 47.7



#95

Naphthalene

Concen: 23.266 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX035241.D

Acq: 21 Apr 2023 19:09

Tgt Ion:128 Resp: 296184

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

129 11.0 8.6 13.0

