

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042123\
 Data File : VX035238.D
 Acq On : 21 Apr 2023 17:59
 Operator : JC/MD
 Sample : 02386-17DL 4X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SPA-5WC-23-04DL

Quant Time: Apr 22 01:07:00 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)

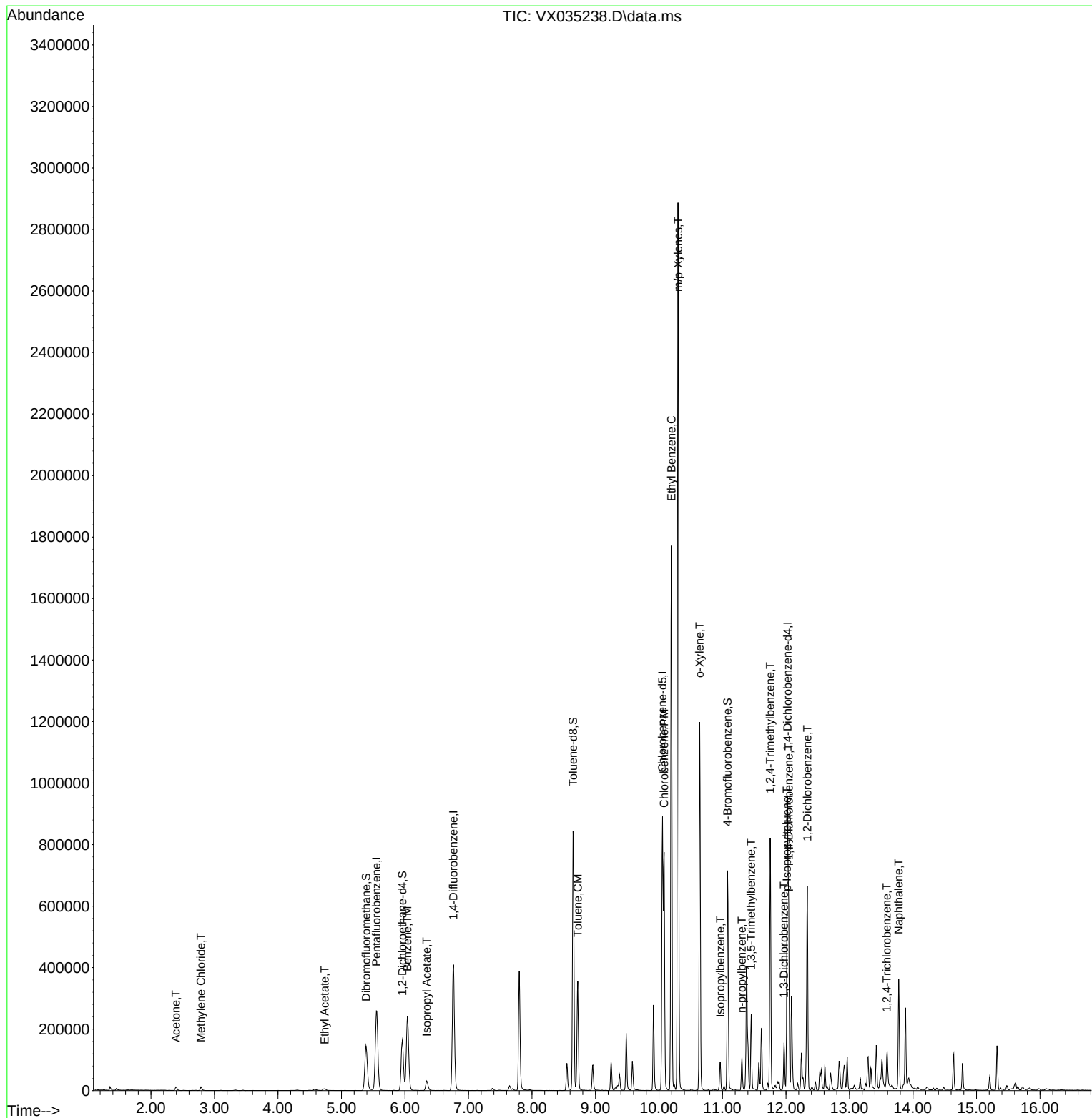
Internal Standards						
1) Pentafluorobenzene	5.550	168	255363	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	425724	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	389326	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	188378	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	155201	39.740	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	79.480%		
35) Dibromofluoromethane	5.385	113	126615	44.966	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.940%		
50) Toluene-d8	8.647	98	503409	48.436	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.880%		
62) 4-Bromofluorobenzene	11.079	95	192425	47.843	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.680%		
Target Compounds					Qvalue	
16) Acetone	2.392	43	16312	10.282	ug/l	99
20) Methylene Chloride	2.788	84	5307	1.695	ug/l	88
37) Ethyl Acetate	4.733	43	10777	2.471	ug/l #	76
40) Benzene	6.038	78	291022	24.302	ug/l	100
43) Isopropyl Acetate	6.342	43	41889	5.740	ug/l	97
52) Toluene	8.720	92	135121	17.305	ug/l	97
65) Chlorobenzene	10.080	112	336732	41.570	ug/l	100
67) Ethyl Benzene	10.195	91	995604	67.847	ug/l	100
68) m/p-Xylenes	10.299	106	642066	114.543	ug/l	99
69) o-Xylene	10.640	106	247380	45.050	ug/l	99
73) Isopropylbenzene	10.964	105	48275	3.499	ug/l	100
78) n-propylbenzene	11.305	91	60424	3.791	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	101948	8.836	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	354186	30.188	ug/l	98
86) p-Isopropyltoluene	12.012	119	25332	2.305	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	37122	5.962	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	180636	27.776	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	203177	32.581	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	7226	2.049	ug/l	94
95) Naphthalene	13.774	128	222412	17.747	ug/l	99

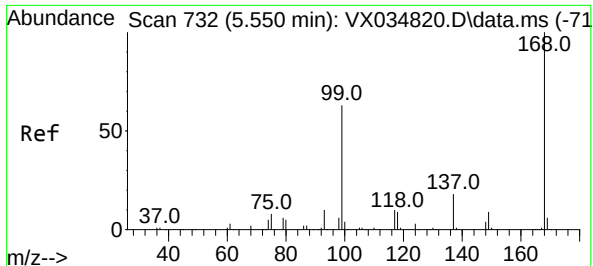
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
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SPA-5WC-23-04DL

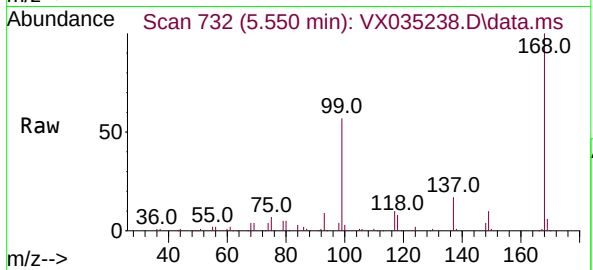
Quant Time: Apr 22 01:07:00 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 01 01:50:18 2023
Response via : Initial Calibration



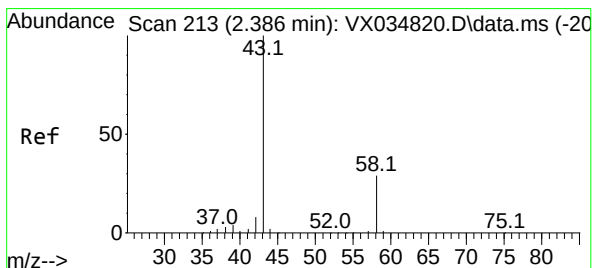
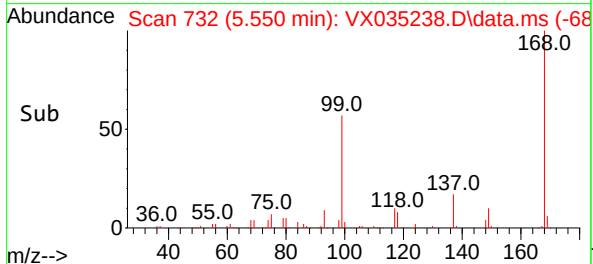
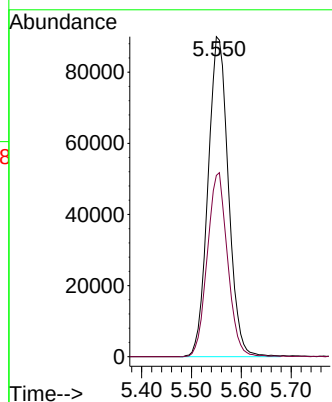


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX035238.D
Acq: 21 Apr 2023 17:59

Instrument :
MSVOA_X
ClientSampleId :
SPA-5WC-23-04DL

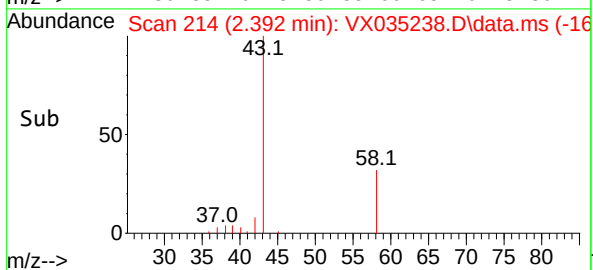
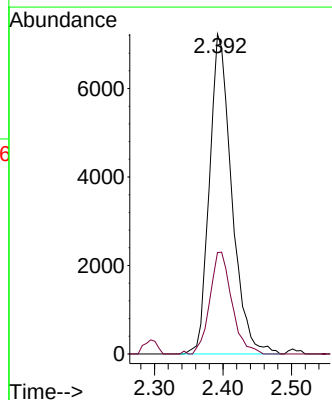
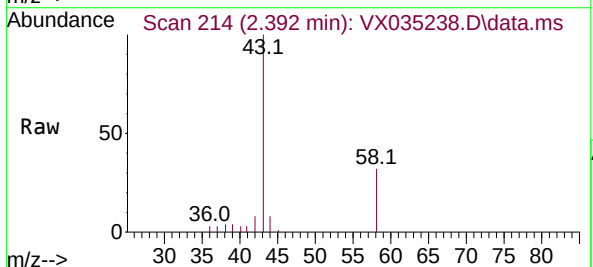


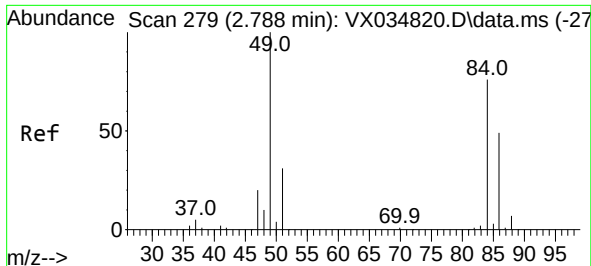
Tgt Ion:168 Resp: 255363
Ion Ratio Lower Upper
168 100
99 56.6 45.7 68.5



#16
Acetone
Concen: 10.282 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX035238.D
Acq: 21 Apr 2023 17:59

Tgt Ion: 43 Resp: 16312
Ion Ratio Lower Upper
43 100
58 31.7 24.7 37.1

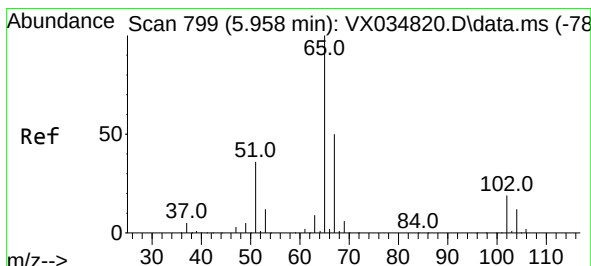
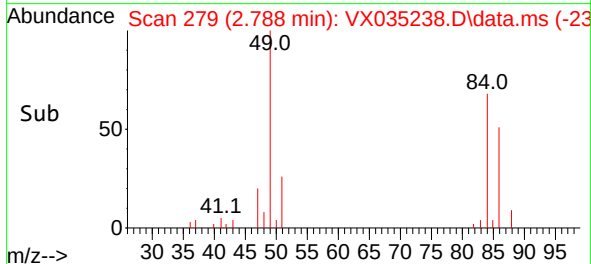
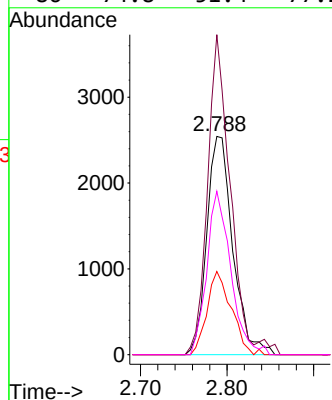
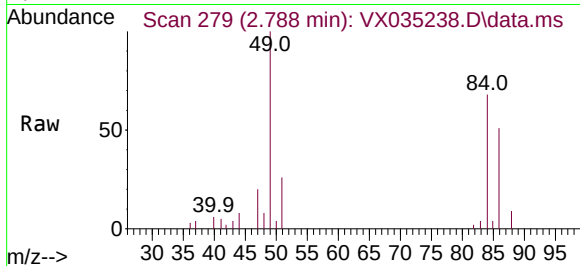




#20
Methylene Chloride
Concen: 1.695 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX035238.D
Acq: 21 Apr 2023 17:59

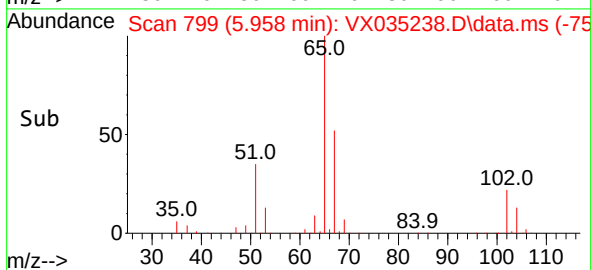
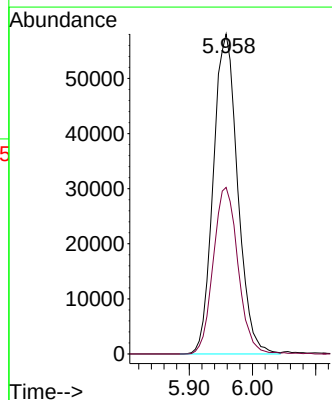
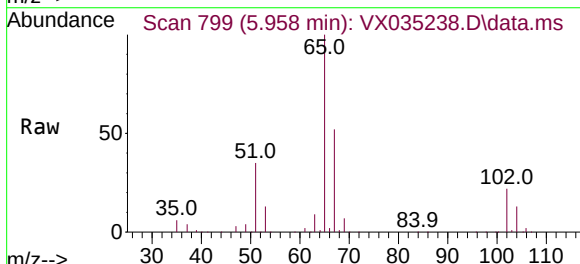
Instrument :
MSVOA_X
ClientSampleId :
SPA-5WC-23-04DL

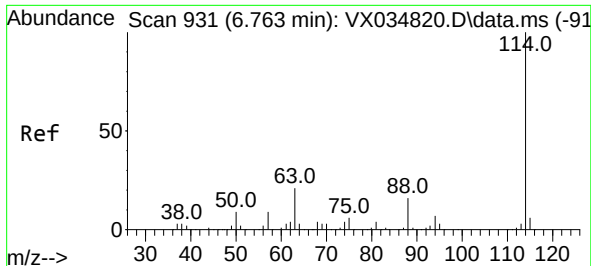
Tgt Ion:	84	Resp:	5307
Ion	Ratio	Lower	Upper
84	100		
49	146.6	103.8	155.8
51	38.1	31.8	47.8
86	74.8	51.4	77.2



#33
1,2-Dichloroethane-d4
Concen: 39.740 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX035238.D
Acq: 21 Apr 2023 17:59

Tgt Ion:	65	Resp:	155201
Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	104.0

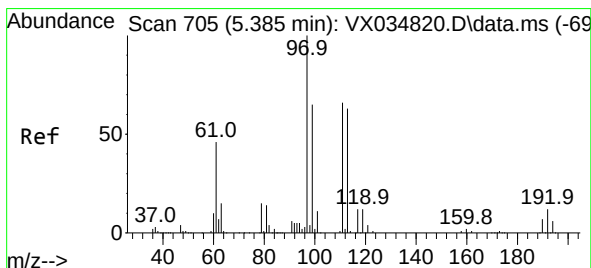
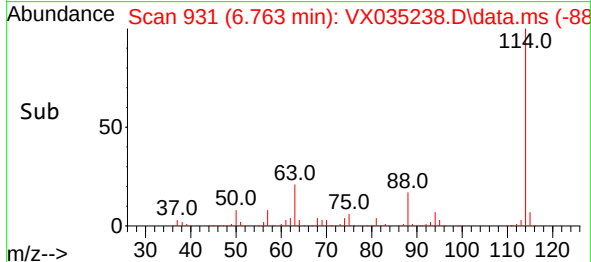
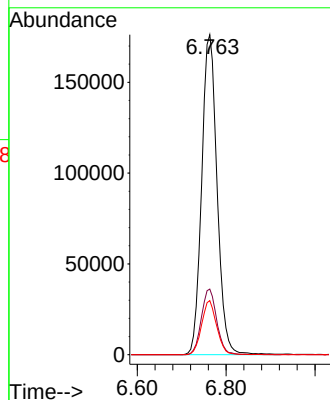
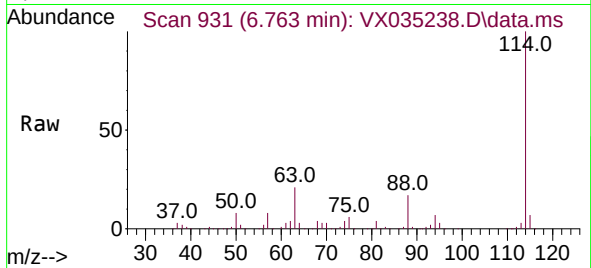




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX035238.D
Acq: 21 Apr 2023 17:59

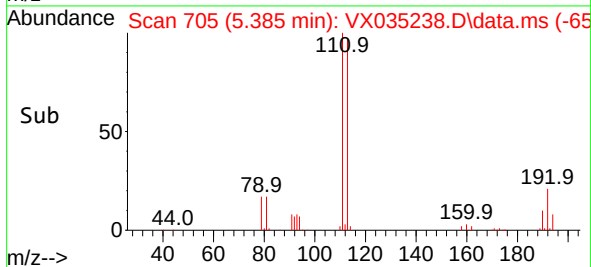
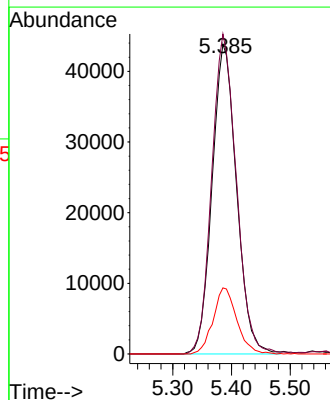
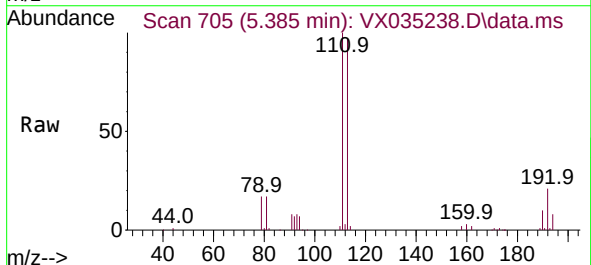
Instrument :
MSVOA_X
ClientSampleId :
SPA-5WC-23-04DL

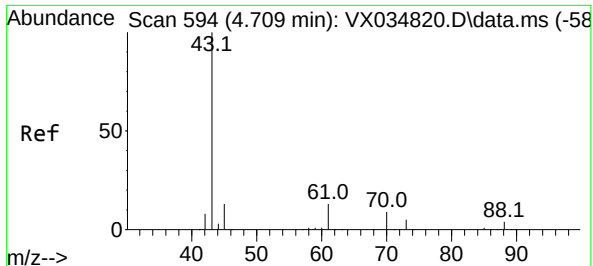
Tgt Ion:114 Resp: 425724
Ion Ratio Lower Upper
114 100
63 20.5 0.0 42.2
88 16.9 0.0 33.2



#35
Dibromofluoromethane
Concen: 44.966 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035238.D
Acq: 21 Apr 2023 17:59

Tgt Ion:113 Resp: 126615
Ion Ratio Lower Upper
113 100
111 104.1 83.7 125.5
192 20.7 15.4 23.2





#37

Ethyl Acetate

Concen: 2.471 ug/l

RT: 4.733 min Scan# 594

Delta R.T. 0.024 min

Lab File: VX035238.D

Acq: 21 Apr 2023 17:59

Instrument :

MSVOA_X

ClientSampleId :

SPA-5WC-23-04DL

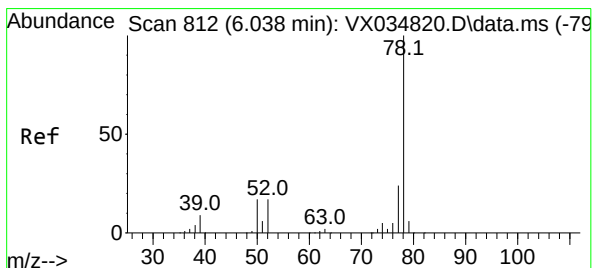
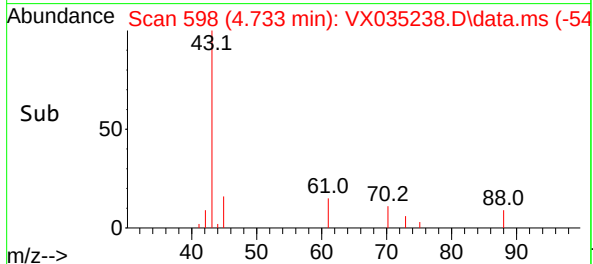
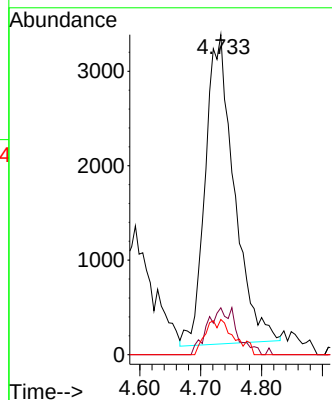
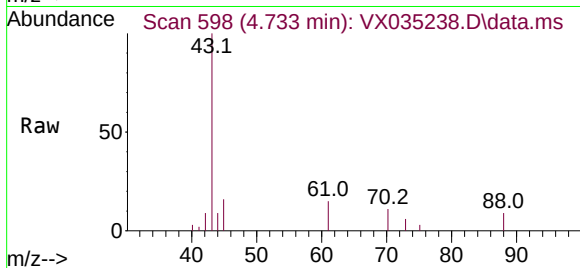
Tgt Ion: 43 Resp: 10777

Ion Ratio Lower Upper

43 100

61 0.0 10.2 15.4#

70 5.0 8.2 12.4#



#40

Benzene

Concen: 24.302 ug/l

RT: 6.038 min Scan# 812

Delta R.T. 0.000 min

Lab File: VX035238.D

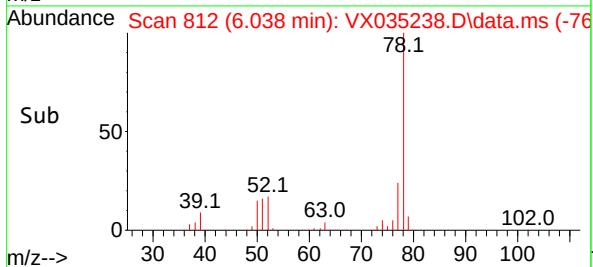
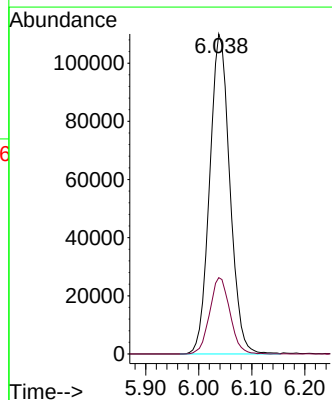
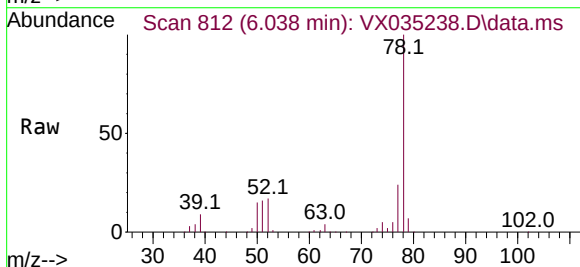
Acq: 21 Apr 2023 17:59

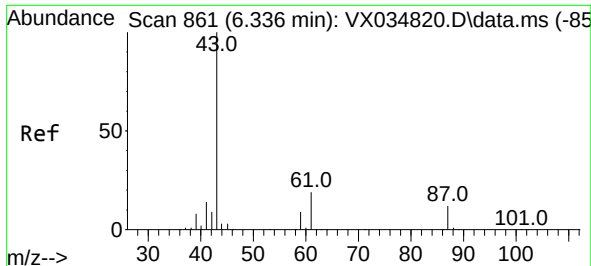
Tgt Ion: 78 Resp: 291022

Ion Ratio Lower Upper

78 100

77 23.9 19.0 28.4

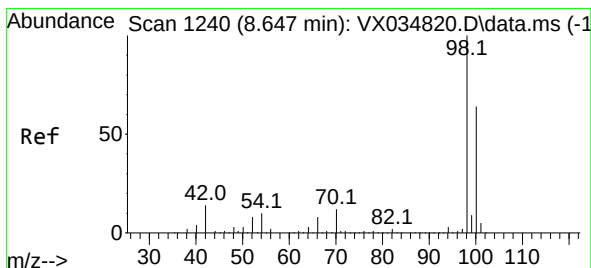
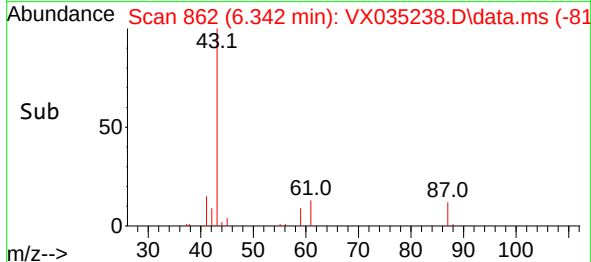
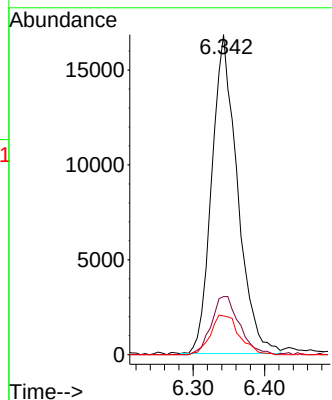
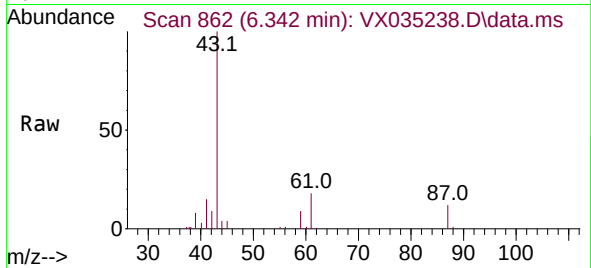




#43
Isopropyl Acetate
Concen: 5.740 ug/l
RT: 6.342 min Scan# 861
Delta R.T. 0.006 min
Lab File: VX035238.D
Acq: 21 Apr 2023 17:59

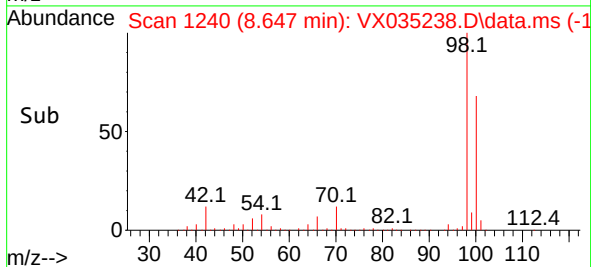
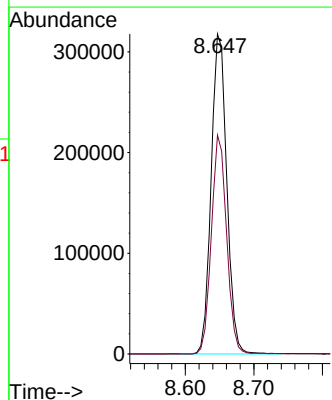
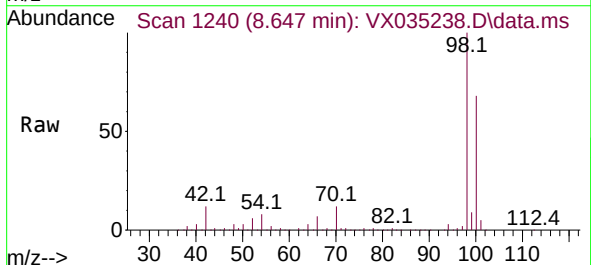
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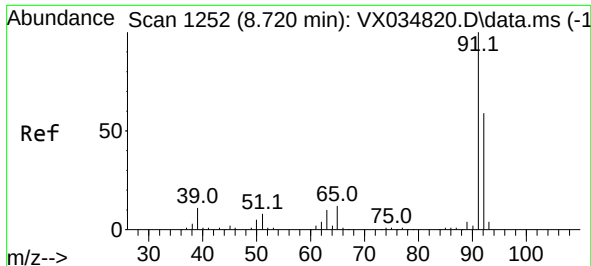
Tgt Ion: 43 Resp: 41889
Ion Ratio Lower Upper
43 100
61 20.0 15.2 22.8
87 13.9 9.8 14.8



#50
Toluene-d8
Concen: 48.436 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX035238.D
Acq: 21 Apr 2023 17:59

Tgt Ion: 98 Resp: 503409
Ion Ratio Lower Upper
98 100
100 67.0 52.5 78.7

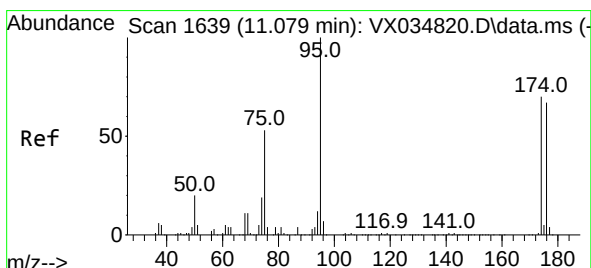
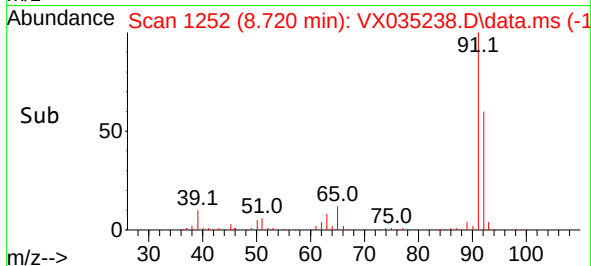
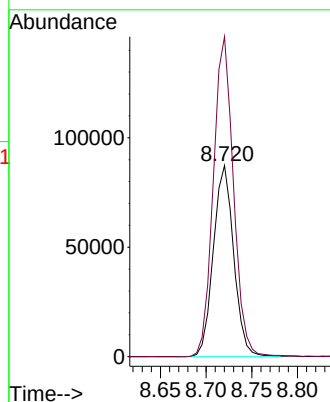
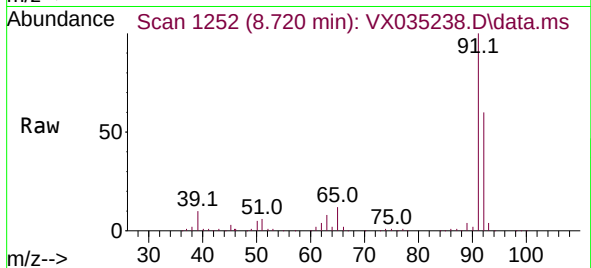




#52
Toluene
Concen: 17.305 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX035238.D
Acq: 21 Apr 2023 17:59

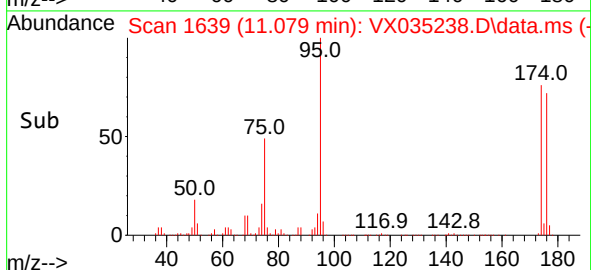
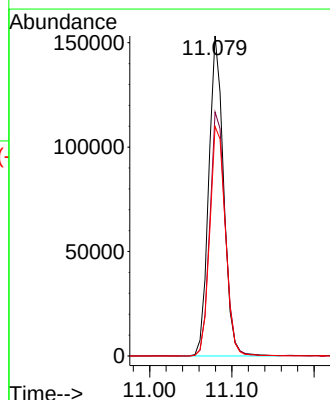
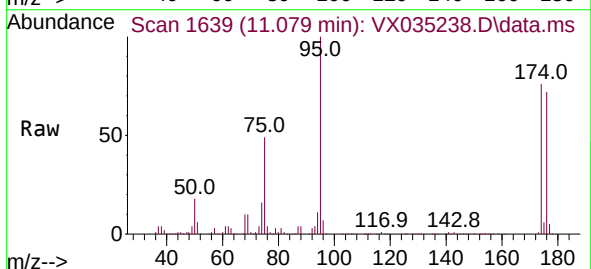
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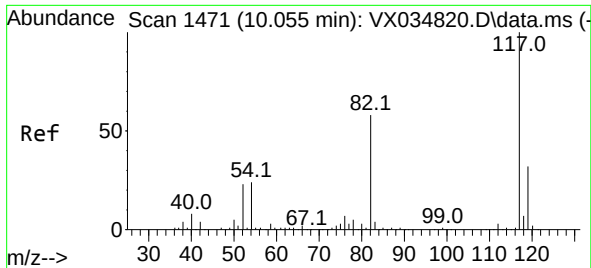
Tgt Ion: 92 Resp: 135121
Ion Ratio Lower Upper
92 100
91 166.4 136.8 205.2



#62
4-Bromofluorobenzene
Concen: 47.843 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX035238.D
Acq: 21 Apr 2023 17:59

Tgt Ion: 95 Resp: 192425
Ion Ratio Lower Upper
95 100
174 79.0 0.0 147.4
176 75.3 0.0 140.6

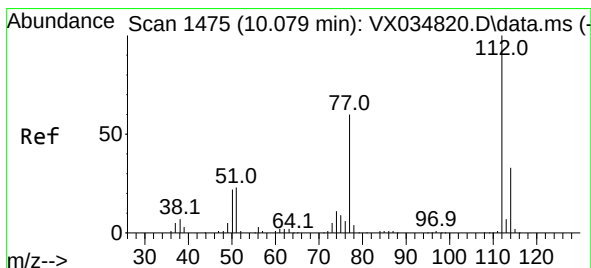
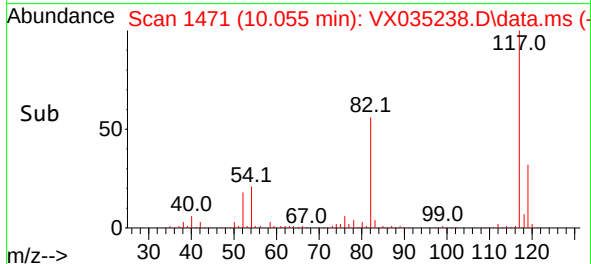
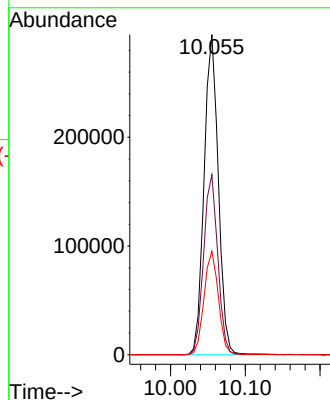
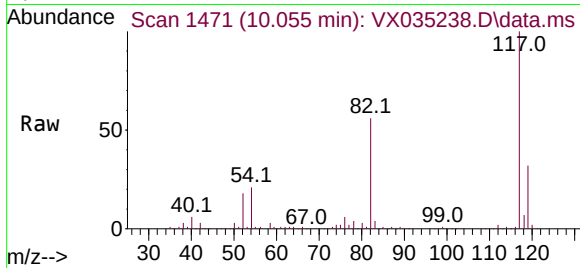




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX035238.D
Acq: 21 Apr 2023 17:59

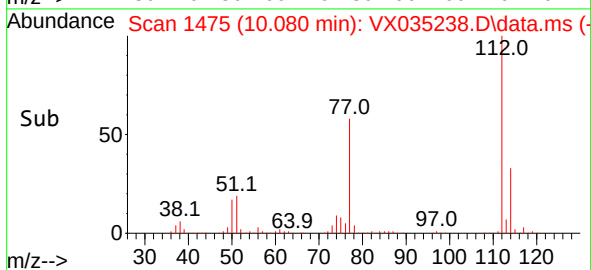
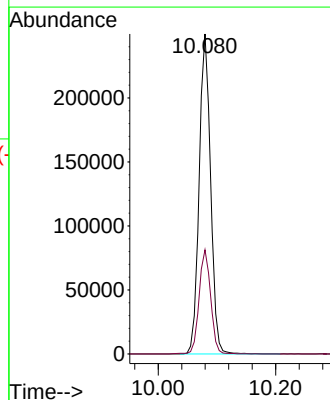
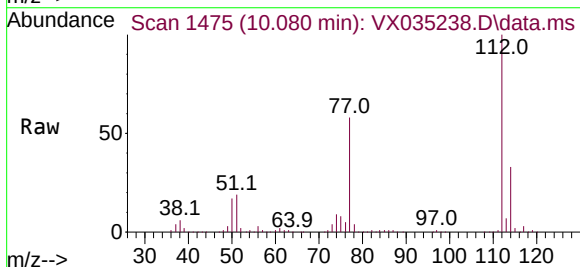
Instrument :
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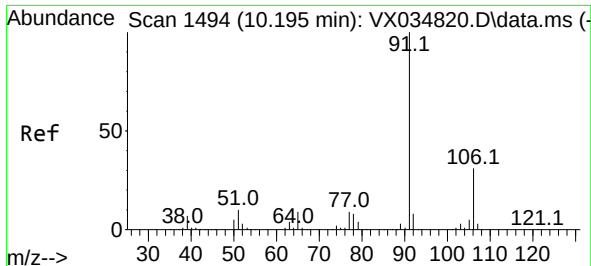
Tgt Ion:117 Resp: 389326
Ion Ratio Lower Upper
117 100
82 56.3 45.0 67.4
119 32.3 26.0 39.0



#65
Chlorobenzene
Concen: 41.570 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX035238.D
Acq: 21 Apr 2023 17:59

Tgt Ion:112 Resp: 336732
Ion Ratio Lower Upper
112 100
114 32.5 26.2 39.2





#67

Ethyl Benzene

Concen: 67.847 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX035238.D

Acq: 21 Apr 2023 17:59

Instrument :

MSVOA_X

ClientSampleId :

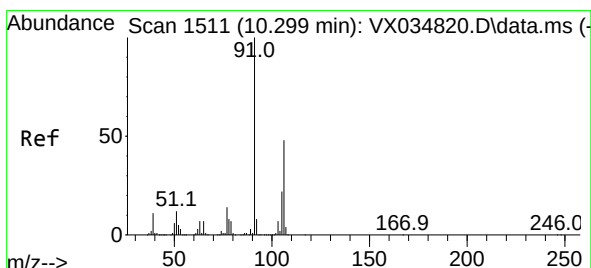
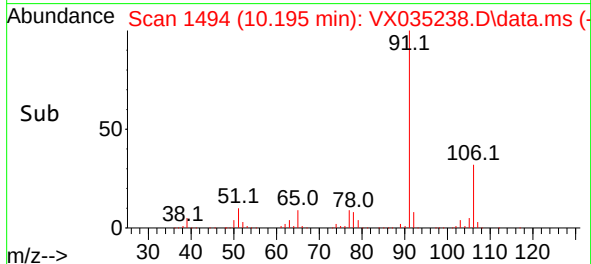
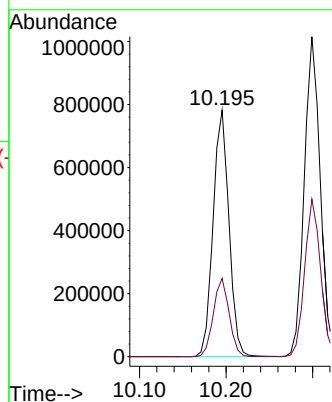
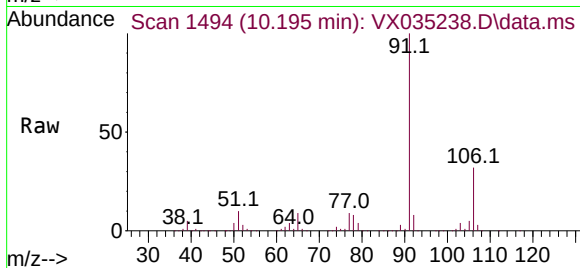
SPA-5WC-23-04DL

Tgt Ion: 91 Resp: 995604

Ion Ratio Lower Upper

91 100

106 31.7 25.6 38.4



#68

m/p-Xylenes

Concen: 114.543 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX035238.D

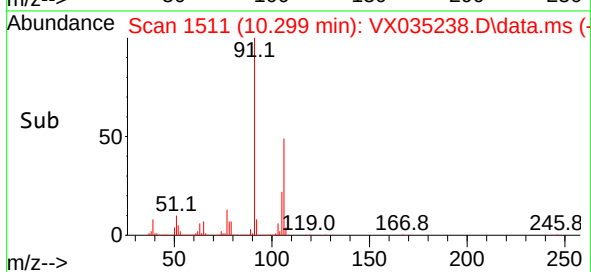
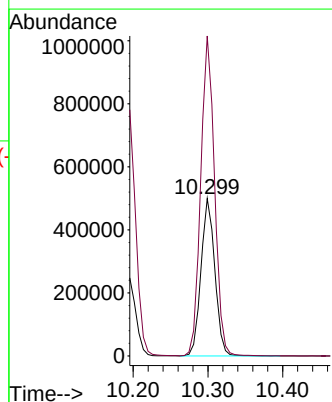
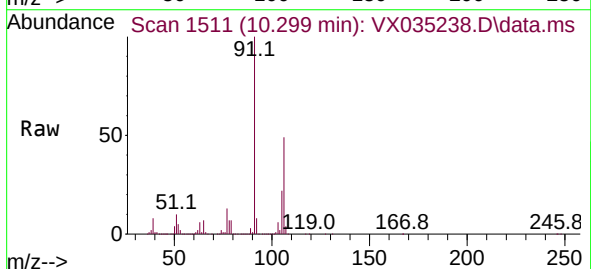
Acq: 21 Apr 2023 17:59

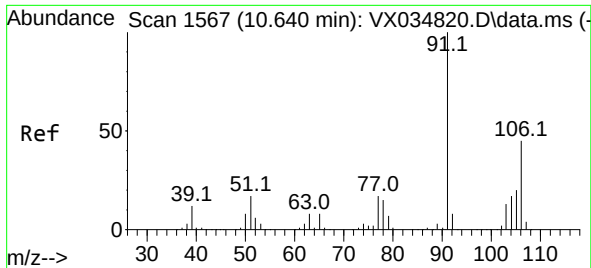
Tgt Ion: 106 Resp: 642066

Ion Ratio Lower Upper

106 100

91 203.1 164.0 246.0

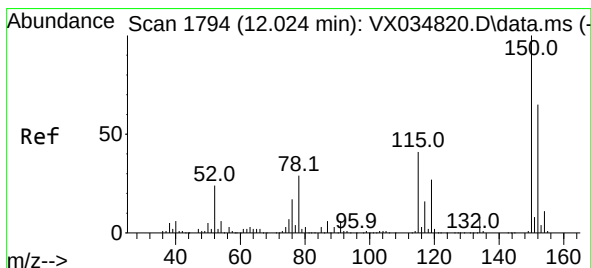
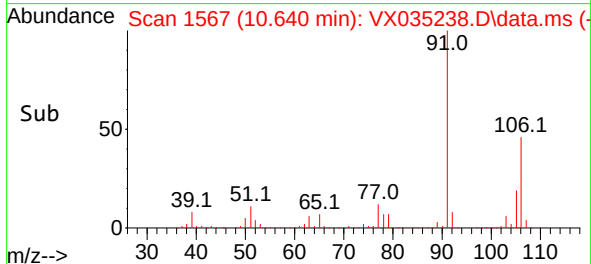
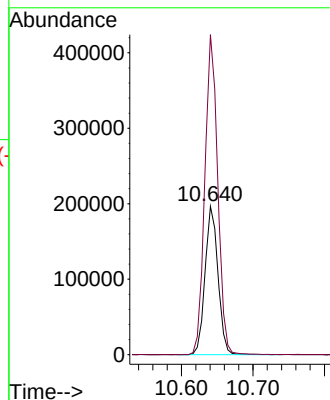
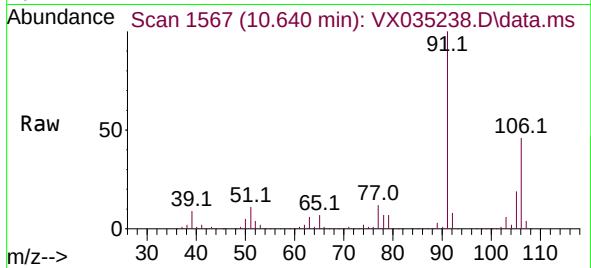




#69
o-Xylene
Concen: 45.050 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX035238.D
Acq: 21 Apr 2023 17:59

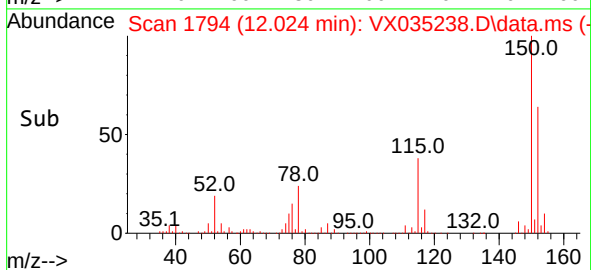
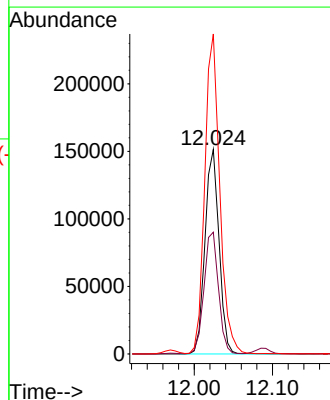
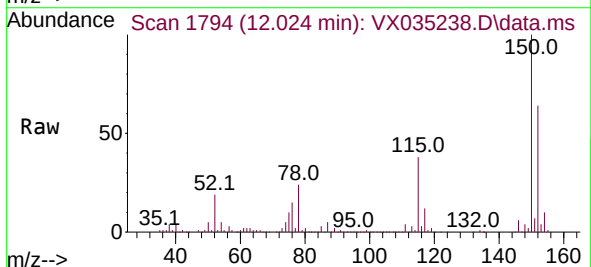
Instrument :
MSVOA_X
ClientSampleId :
SPA-5WC-23-04DL

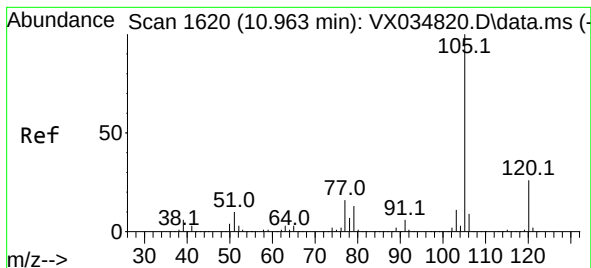
Tgt Ion:106 Resp: 247380
Ion Ratio Lower Upper
106 100
91 214.9 108.5 325.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX035238.D
Acq: 21 Apr 2023 17:59

Tgt Ion:152 Resp: 188378
Ion Ratio Lower Upper
152 100
115 60.9 45.0 135.0
150 166.0 0.0 352.4





#73

Isopropylbenzene

Concen: 3.499 ug/l

RT: 10.964 min Scan# 1620

Delta R.T. 0.001 min

Lab File: VX035238.D

Acq: 21 Apr 2023 17:59

Instrument :

MSVOA_X

ClientSampleId :

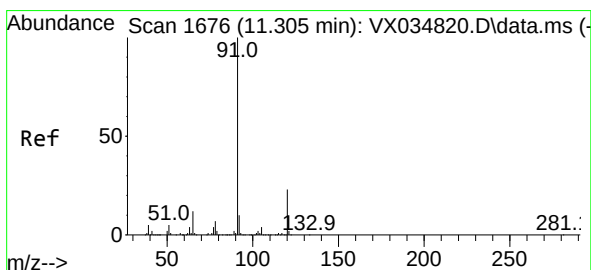
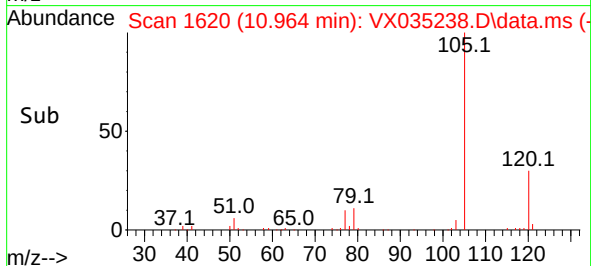
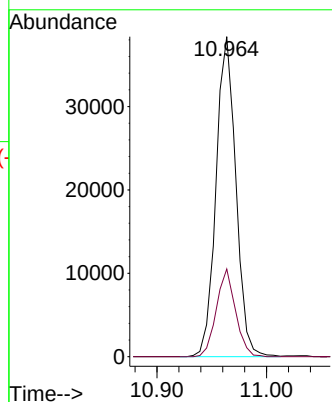
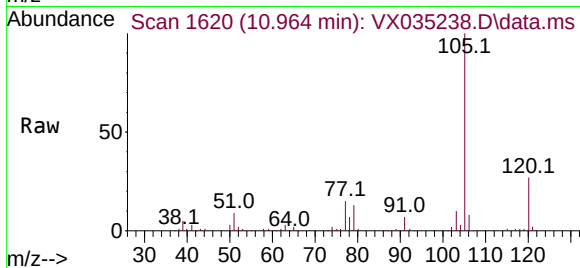
SPA-5WC-23-04DL

Tgt Ion:105 Resp: 48275

Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.9



#78

n-propylbenzene

Concen: 3.791 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX035238.D

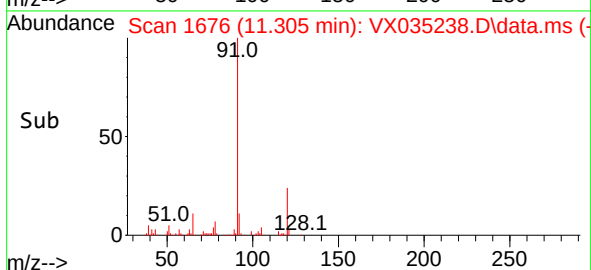
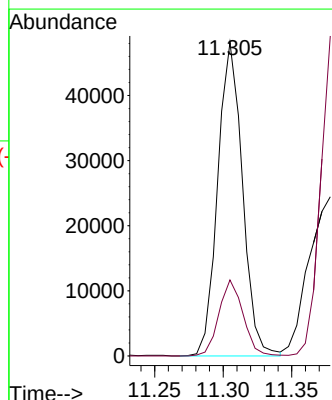
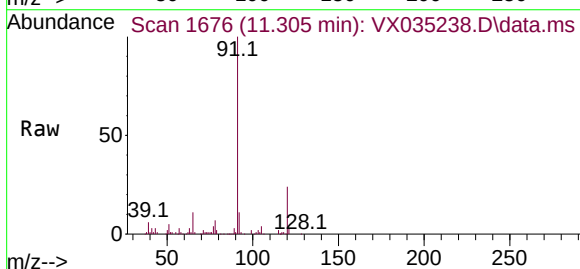
Acq: 21 Apr 2023 17:59

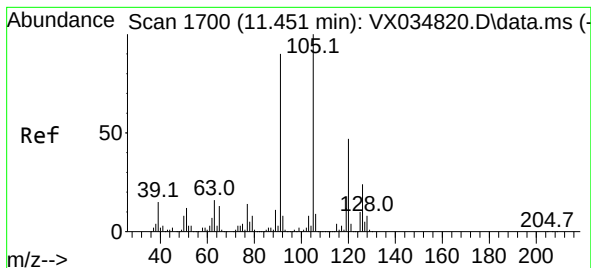
Tgt Ion: 91 Resp: 60424

Ion Ratio Lower Upper

91 100

120 23.7 11.5 34.5





#80

1,3,5-Trimethylbenzene

Concen: 8.836 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX035238.D

Acq: 21 Apr 2023 17:59

Instrument :

MSVOA_X

ClientSampleId :

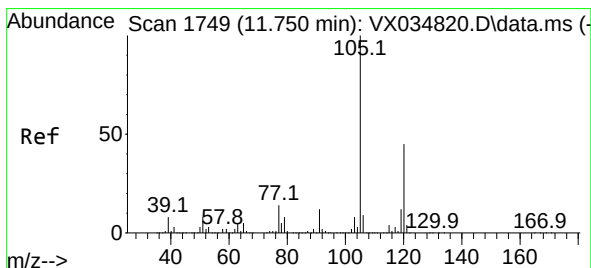
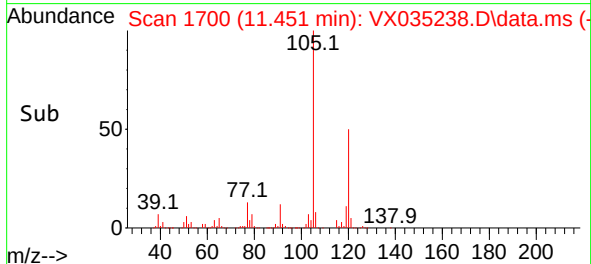
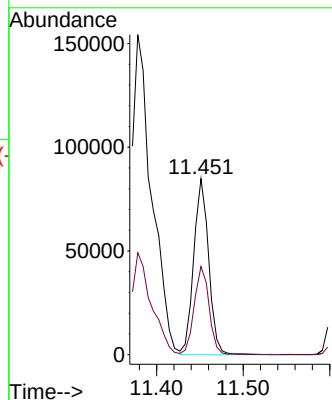
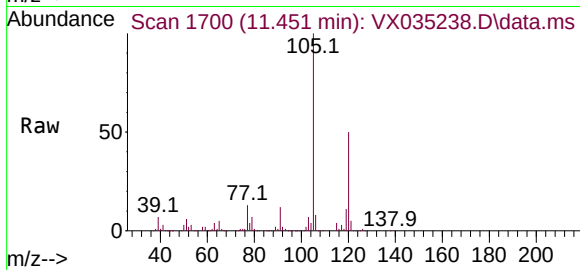
SPA-5WC-23-04DL

Tgt Ion:105 Resp: 101948

Ion Ratio Lower Upper

105 100

120 49.8 23.7 71.1



#84

1,2,4-Trimethylbenzene

Concen: 30.188 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX035238.D

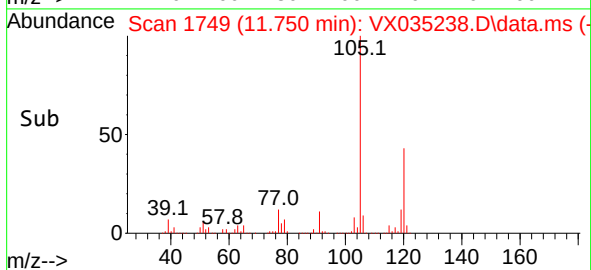
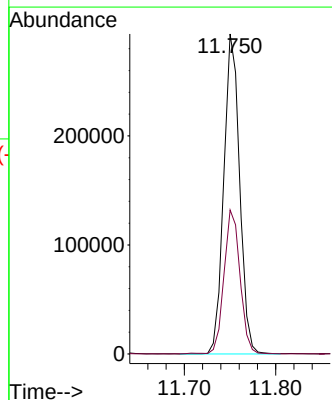
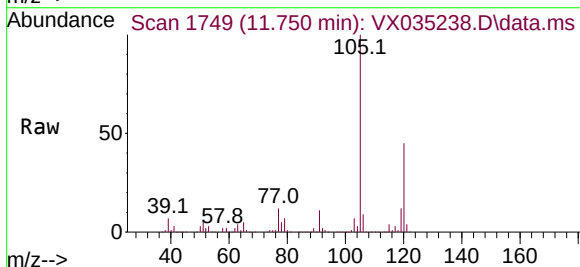
Acq: 21 Apr 2023 17:59

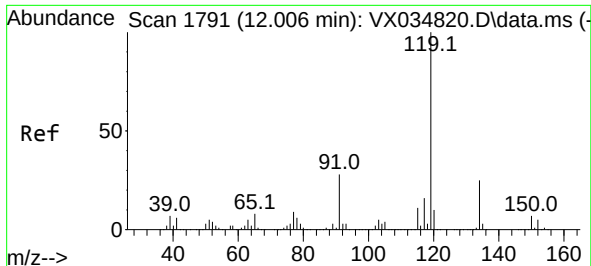
Tgt Ion:105 Resp: 354186

Ion Ratio Lower Upper

105 100

120 45.8 22.4 67.0

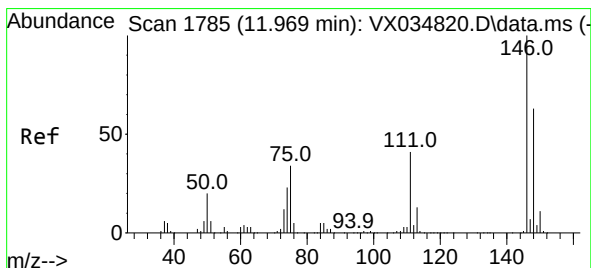
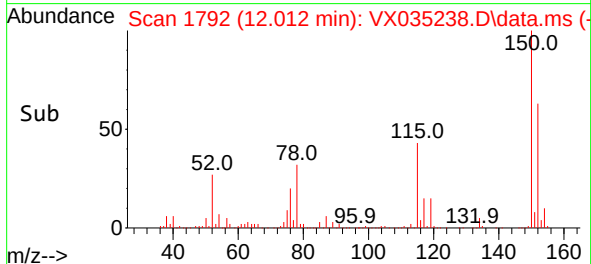
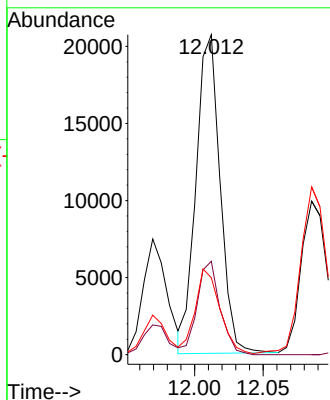
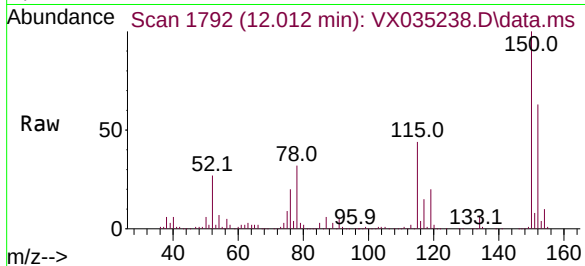




#86
p-Isopropyltoluene
Concen: 2.305 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX035238.D
Acq: 21 Apr 2023 17:59

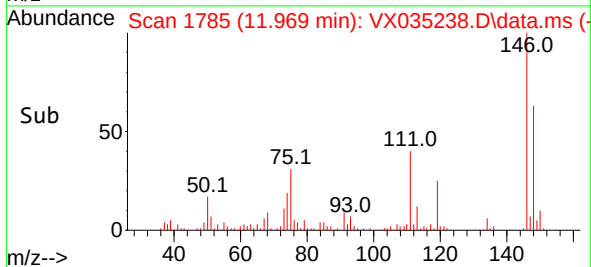
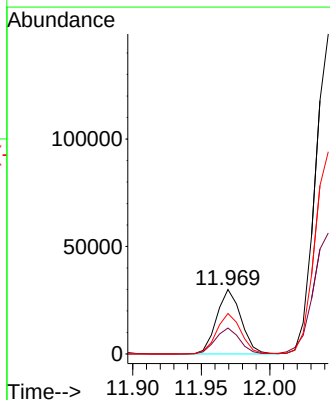
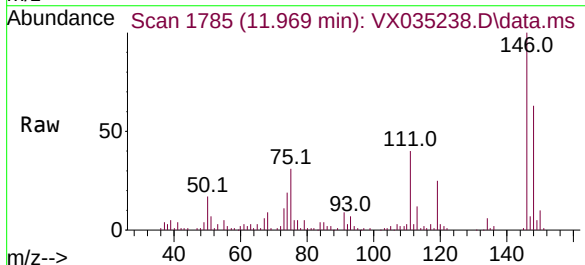
Instrument :
MSVOA_X
ClientSampleId :
SPA-5WC-23-04DL

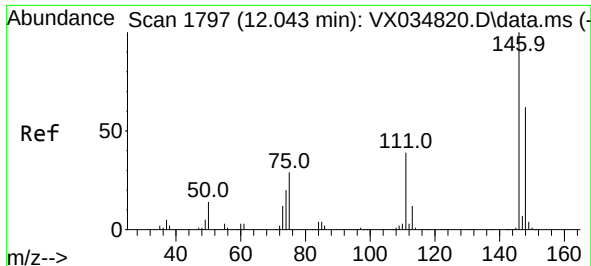
Tgt Ion:119 Resp: 25332
Ion Ratio Lower Upper
119 100
134 27.9 13.2 39.5
91 28.1 12.9 38.7



#87
1,3-Dichlorobenzene
Concen: 5.962 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX035238.D
Acq: 21 Apr 2023 17:59

Tgt Ion:146 Resp: 37122
Ion Ratio Lower Upper
146 100
111 40.4 20.9 62.8
148 62.9 31.6 95.0





#88

1,4-Dichlorobenzene

Concen: 27.776 ug/l

RT: 12.043 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX035238.D

Acq: 21 Apr 2023 17:59

Instrument :

MSVOA_X

ClientSampleId :

SPA-5WC-23-04DL

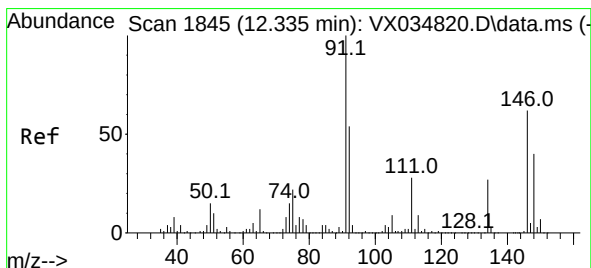
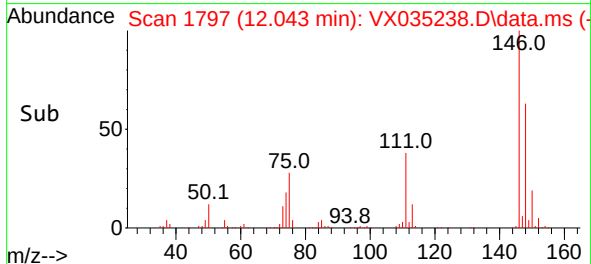
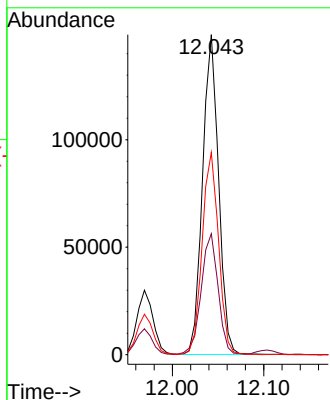
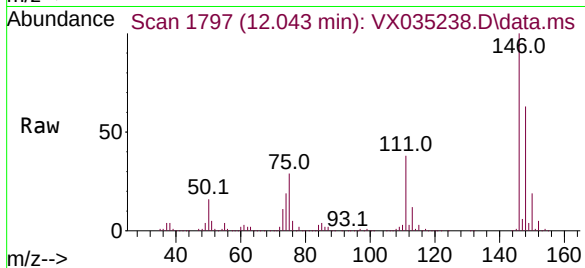
Tgt Ion:146 Resp: 180636

Ion Ratio Lower Upper

146 100

111 40.2 20.6 61.9

148 64.8 31.8 95.4



#91

1,2-Dichlorobenzene

Concen: 32.581 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX035238.D

Acq: 21 Apr 2023 17:59

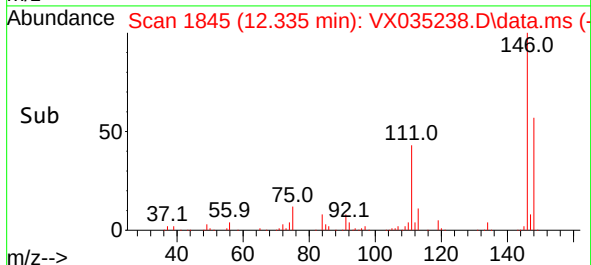
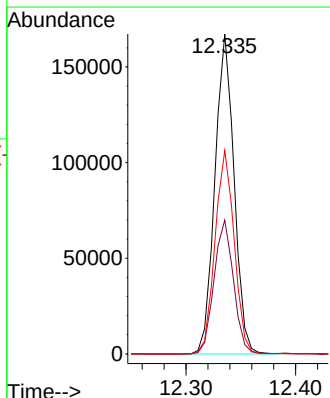
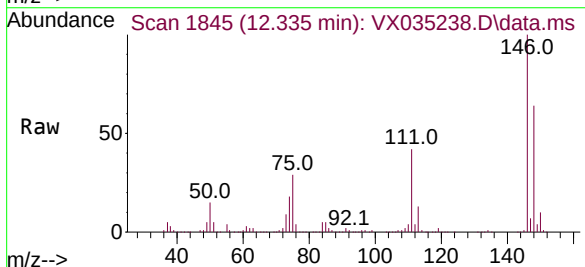
Tgt Ion:146 Resp: 203177

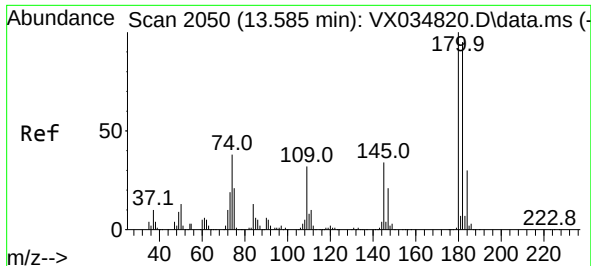
Ion Ratio Lower Upper

146 100

111 42.4 22.0 66.0

148 64.0 32.0 96.0

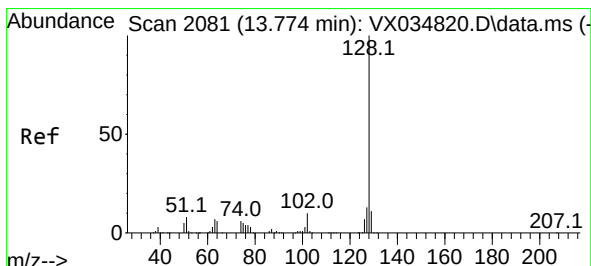
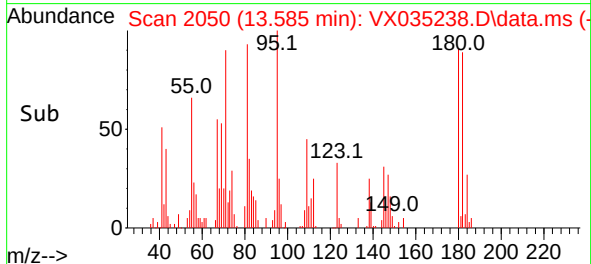
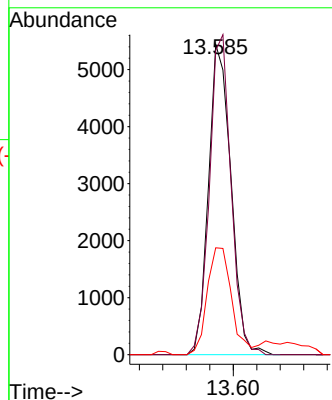
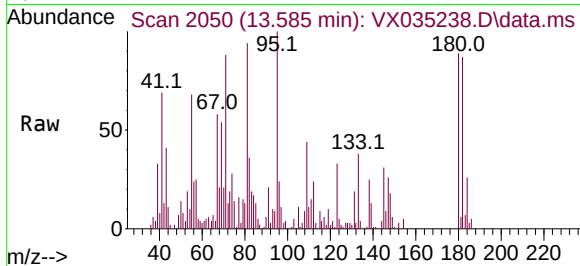




#93
1,2,4-Trichlorobenzene
Concen: 2.049 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX035238.D
Acq: 21 Apr 2023 17:59

Instrument :
MSVOA_X
ClientSampleId :
SPA-5WC-23-04DL

Tgt Ion:180 Resp: 7226
Ion Ratio Lower Upper
180 100
182 99.1 47.0 141.0
145 37.4 15.9 47.7



#95
Naphthalene
Concen: 17.747 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX035238.D
Acq: 21 Apr 2023 17:59

Tgt Ion:128 Resp: 222412
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.4
129 11.1 8.6 13.0

