

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042123\
 Data File : VX035240.D
 Acq On : 21 Apr 2023 18:45
 Operator : JC/MD
 Sample : 02386-13DL 4X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SPA-4WC-23-04DL

Quant Time: Apr 22 01:07:34 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)

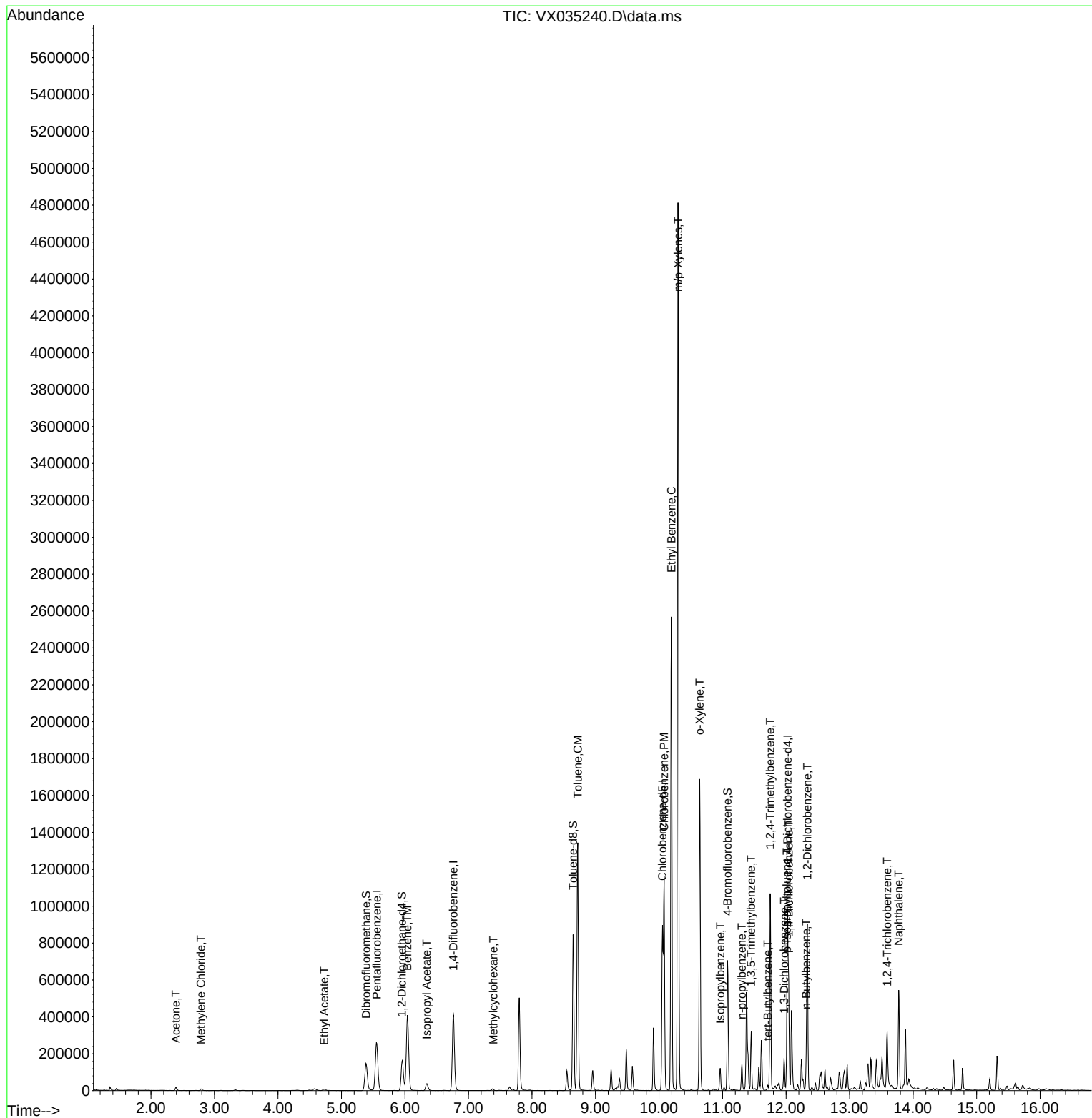
Internal Standards						
1) Pentafluorobenzene	5.556	168	255458	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	427763	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	392566	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	187689	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	156545	40.069	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	80.140%		
35) Dibromofluoromethane	5.385	113	128274	45.338	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.680%		
50) Toluene-d8	8.647	98	506811	48.530	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.060%		
62) 4-Bromofluorobenzene	11.079	95	191508	47.389	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.780%		
Target Compounds					Qvalue	
16) Acetone	2.392	43	21537	13.570	ug/l	94
20) Methylene Chloride	2.788	84	3999	1.277	ug/l	93
37) Ethyl Acetate	4.727	43	14729	3.361	ug/l	97
39) Methylcyclohexane	7.391	83	4070	0.914	ug/l	90
40) Benzene	6.037	78	495191	41.154	ug/l	100
43) Isopropyl Acetate	6.342	43	52893	7.213	ug/l	96
52) Toluene	8.720	92	518411	66.077	ug/l	99
65) Chlorobenzene	10.079	112	487739	59.715	ug/l	100
67) Ethyl Benzene	10.195	91	1494800	101.024	ug/l	99
68) m/p-Xylenes	10.299	106	1086725	192.269	ug/l	98
69) o-Xylene	10.640	106	355186	64.148	ug/l	98
73) Isopropylbenzene	10.963	105	64230	4.672	ug/l	98
78) n-propylbenzene	11.305	91	80735	5.083	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	132635	11.538	ug/l	98
83) tert-Butylbenzene	11.713	119	10164	0.942	ug/l	90
84) 1,2,4-Trimethylbenzene	11.750	105	460376	39.383	ug/l	99
86) p-Isopropyltoluene	12.012	119	28263	2.581	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	37775	6.089	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	177250	27.355	ug/l	99
89) n-Butylbenzene	12.317	91	14036	1.467	ug/l #	22
91) 1,2-Dichlorobenzene	12.335	146	284727	45.825	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	24812	7.061	ug/l	98
95) Naphthalene	13.774	128	338065	27.074	ug/l	99

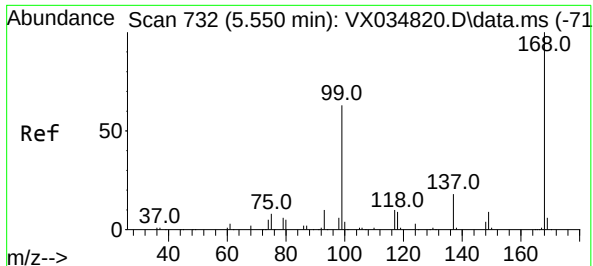
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SPA-4WC-23-04DL

Quant Time: Apr 22 01:07:34 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

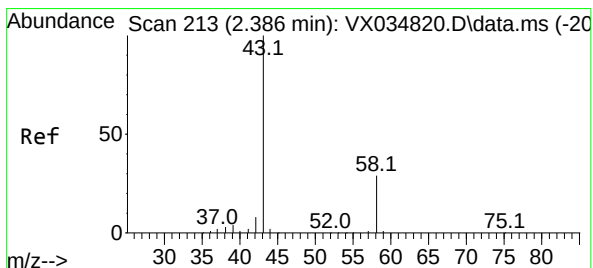
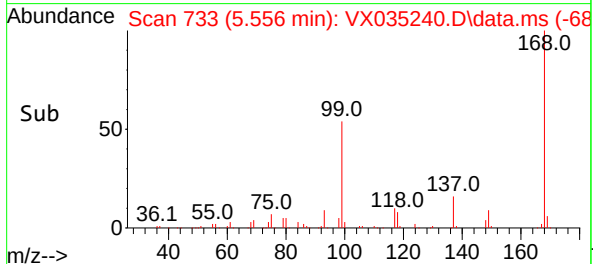
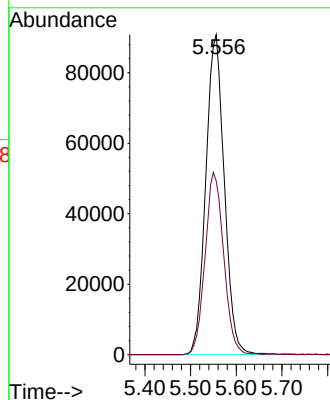
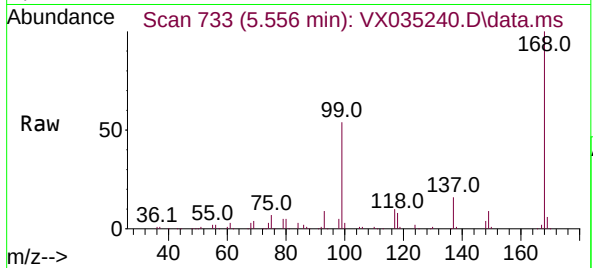




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX035240.D
Acq: 21 Apr 2023 18:45

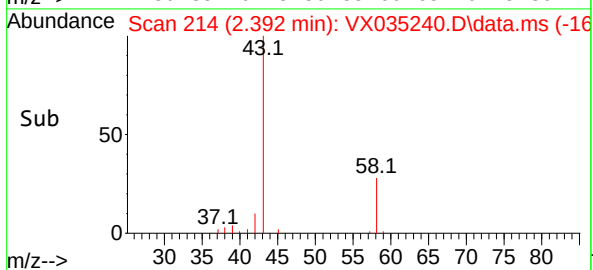
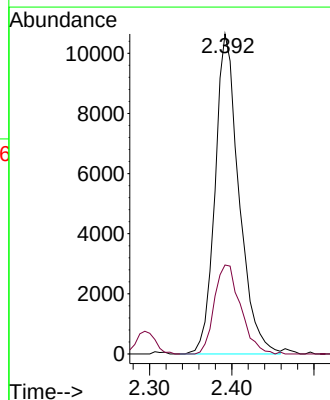
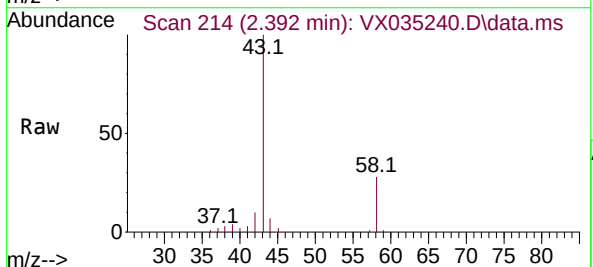
Instrument :
MSVOA_X
ClientSampleId :
SPA-4WC-23-04DL

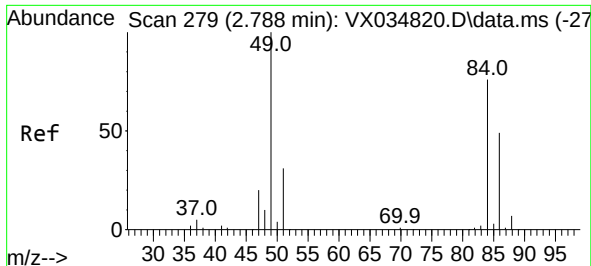
Tgt Ion:168 Resp: 255458
Ion Ratio Lower Upper
168 100
99 54.3 45.7 68.5



#16
Acetone
Concen: 13.570 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX035240.D
Acq: 21 Apr 2023 18:45

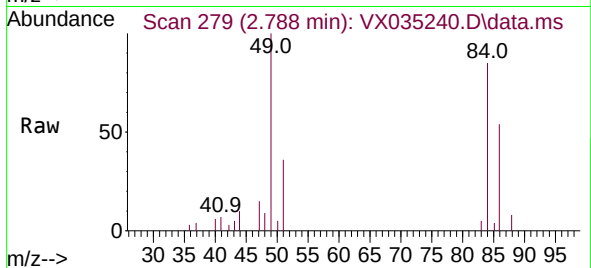
Tgt Ion: 43 Resp: 21537
Ion Ratio Lower Upper
43 100
58 27.8 24.7 37.1



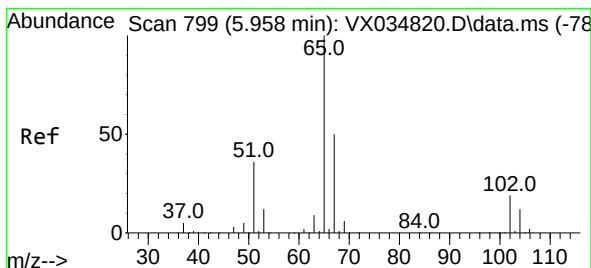
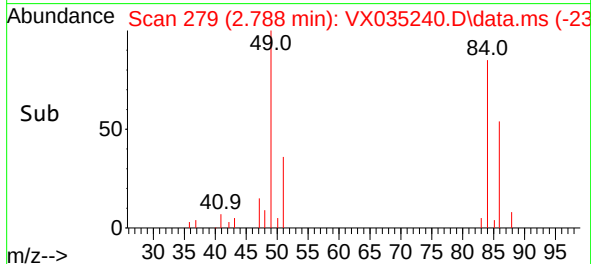
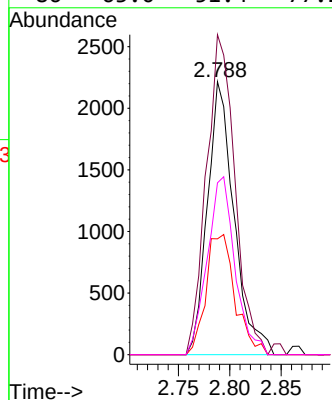


#20
Methylene Chloride
Concen: 1.277 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX035240.D
Acq: 21 Apr 2023 18:45

Instrument :
MSVOA_X
ClientSampleId :
SPA-4WC-23-04DL

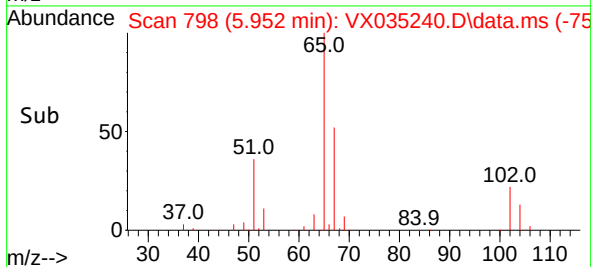
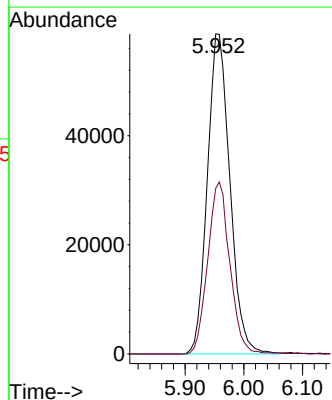
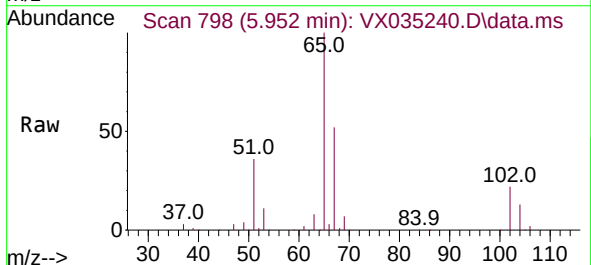


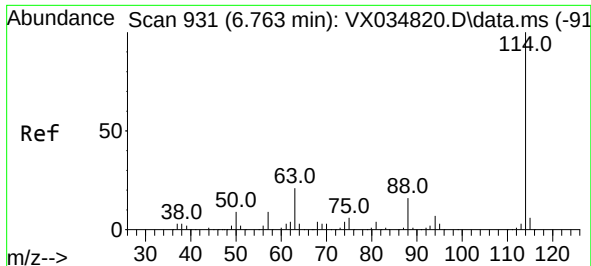
Tgt Ion: 84	Resp:	3999	
Ion	Ratio	Lower	Upper
84	100		
49	117.2	103.8	155.8
51	42.4	31.8	47.8
86	63.0	51.4	77.2



#33
1,2-Dichloroethane-d4
Concen: 40.069 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX035240.D
Acq: 21 Apr 2023 18:45

Tgt Ion: 65	Resp: 156545
Ion Ratio	Lower Upper
65 100	
67 52.7	0.0 104.0

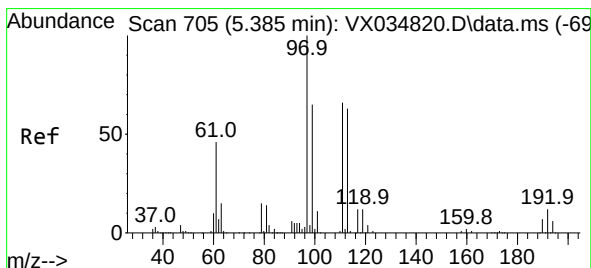
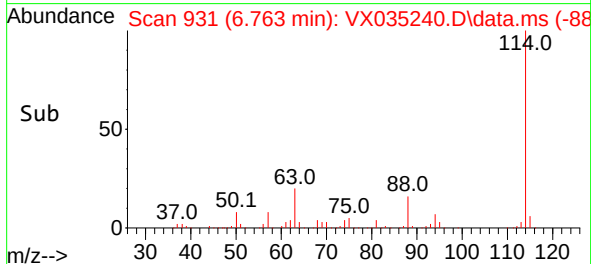
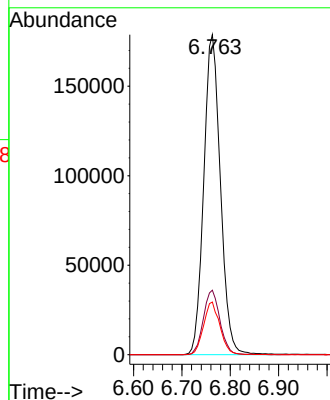
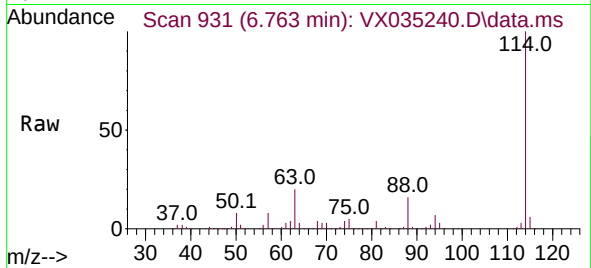




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX035240.D
Acq: 21 Apr 2023 18:45

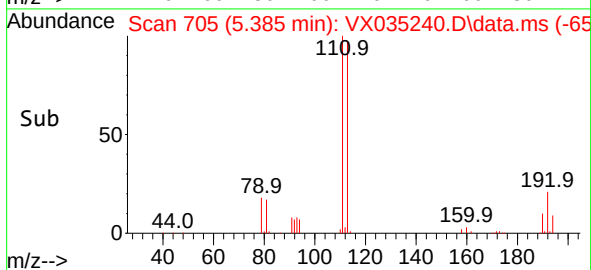
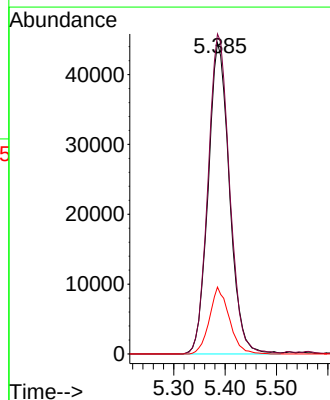
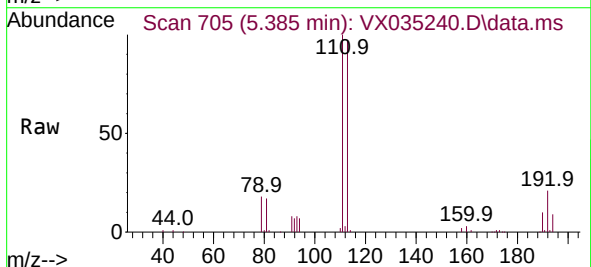
Instrument :
MSVOA_X
ClientSampleId :
SPA-4WC-23-04DL

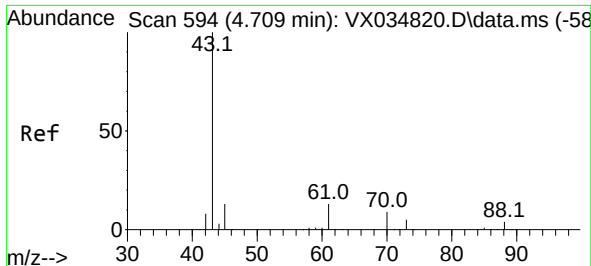
Tgt Ion:114 Resp: 427763
Ion Ratio Lower Upper
114 100
63 20.1 0.0 42.2
88 16.4 0.0 33.2



#35
Dibromofluoromethane
Concen: 45.338 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX035240.D
Acq: 21 Apr 2023 18:45

Tgt Ion:113 Resp: 128274
Ion Ratio Lower Upper
113 100
111 104.1 83.7 125.5
192 20.0 15.4 23.2





#37

Ethyl Acetate

Concen: 3.361 ug/l

RT: 4.727 min Scan# 594

Delta R.T. 0.018 min

Lab File: VX035240.D

Acq: 21 Apr 2023 18:45

Instrument :

MSVOA_X

ClientSampleId :

SPA-4WC-23-04DL

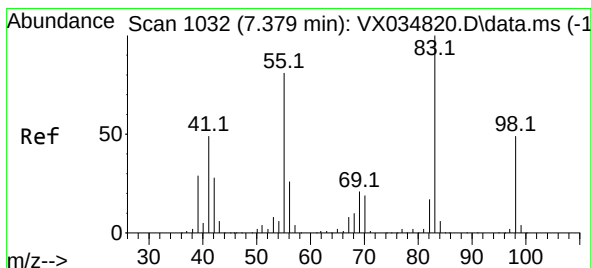
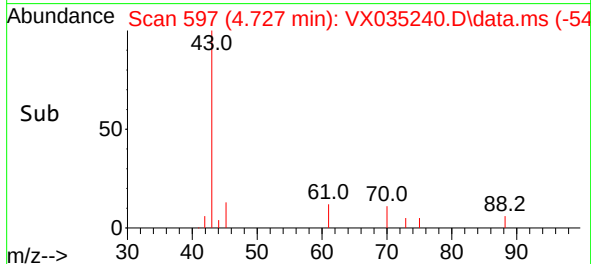
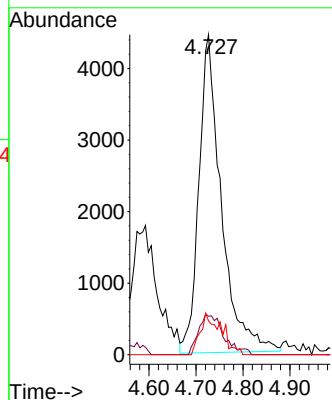
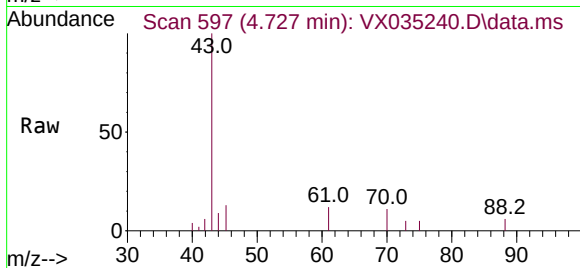
Tgt Ion: 43 Resp: 14729

Ion Ratio Lower Upper

43 100

61 13.7 10.2 15.4

70 12.2 8.2 12.4



#39

Methylcyclohexane

Concen: 0.914 ug/l

RT: 7.391 min Scan# 1034

Delta R.T. 0.012 min

Lab File: VX035240.D

Acq: 21 Apr 2023 18:45

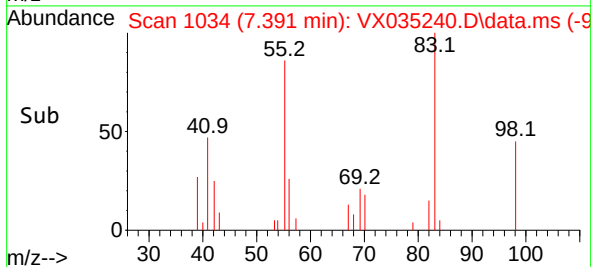
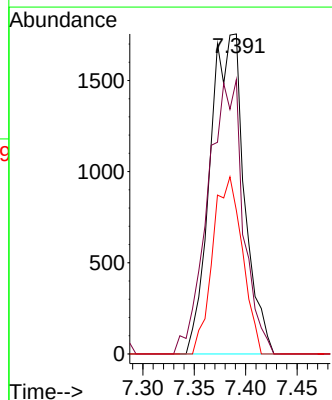
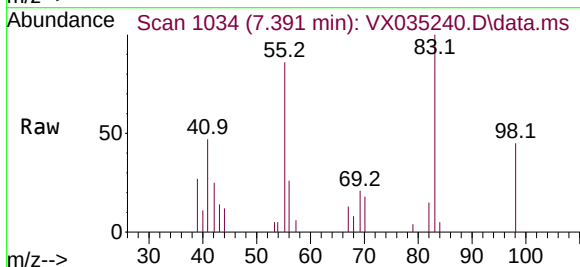
Tgt Ion: 83 Resp: 4070

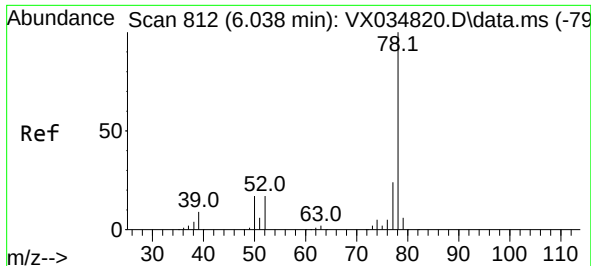
Ion Ratio Lower Upper

83 100

55 85.7 60.5 90.7

98 44.8 40.4 60.6

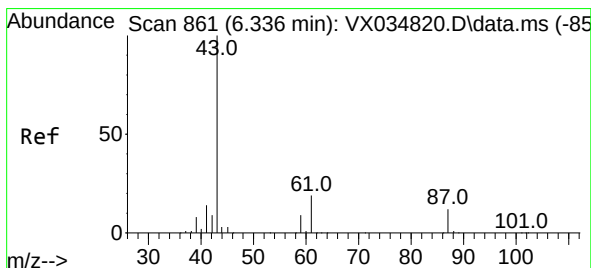
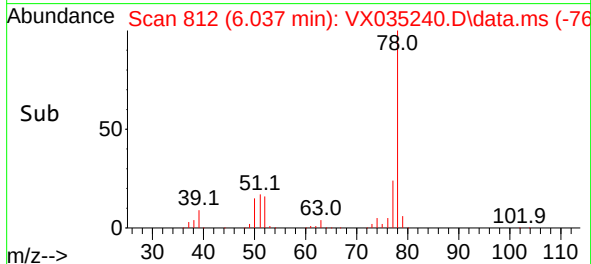
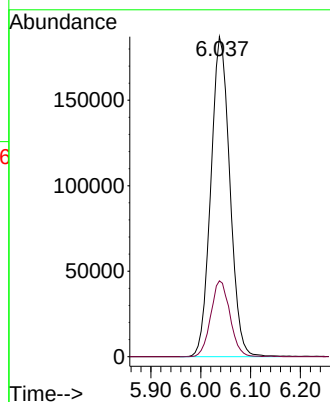
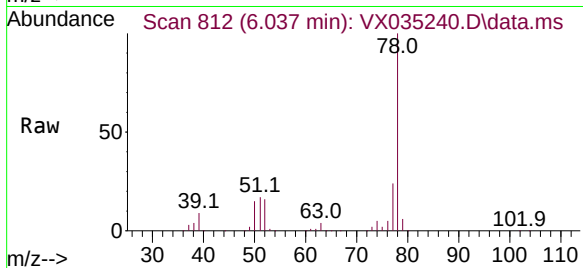




#40
Benzene
Concen: 41.154 ug/l
RT: 6.037 min Scan# 812
Delta R.T. -0.000 min
Lab File: VX035240.D
Acq: 21 Apr 2023 18:45

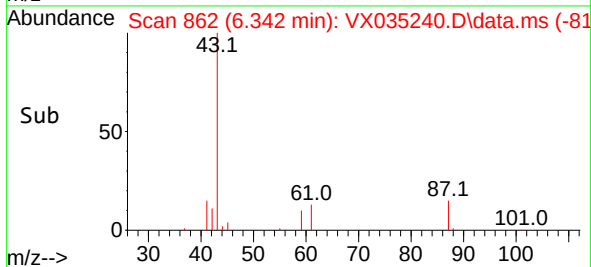
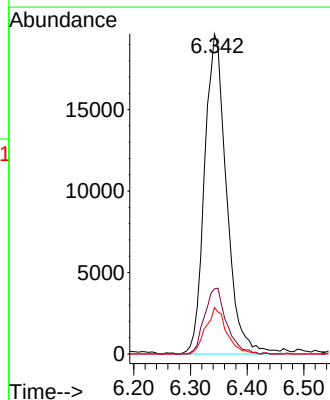
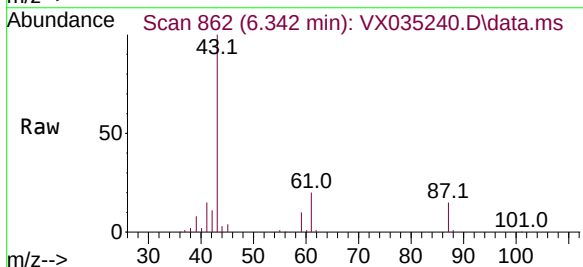
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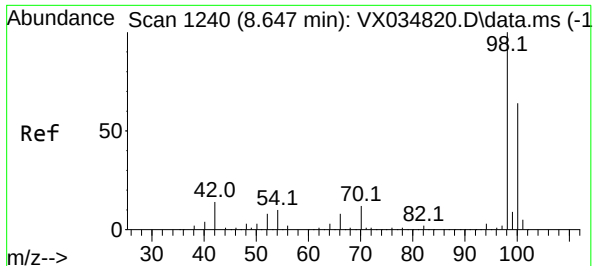
Tgt Ion: 78 Resp: 495191
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.4



#43
Isopropyl Acetate
Concen: 7.213 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX035240.D
Acq: 21 Apr 2023 18:45

Tgt Ion: 43 Resp: 52893
Ion Ratio Lower Upper
43 100
61 20.6 15.2 22.8
87 13.7 9.8 14.8

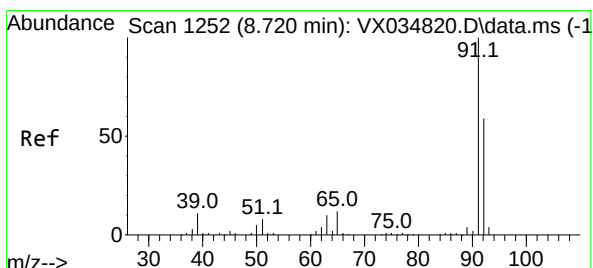
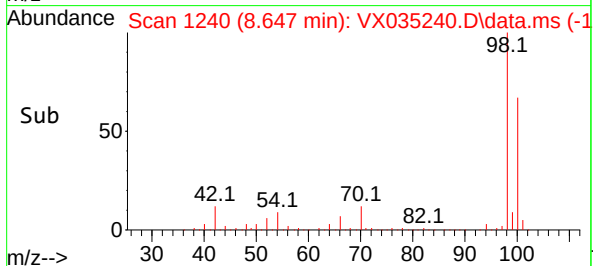
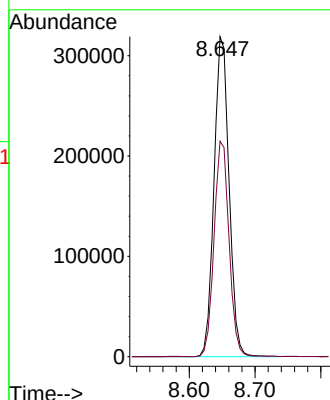
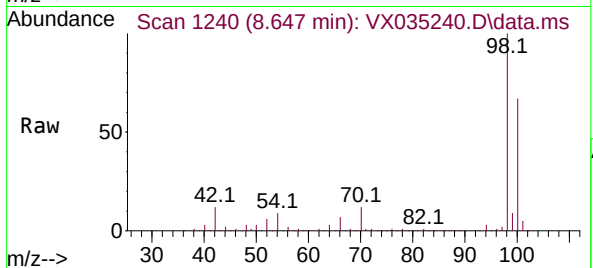




#50
Toluene-d8
Concen: 48.530 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX035240.D
Acq: 21 Apr 2023 18:45

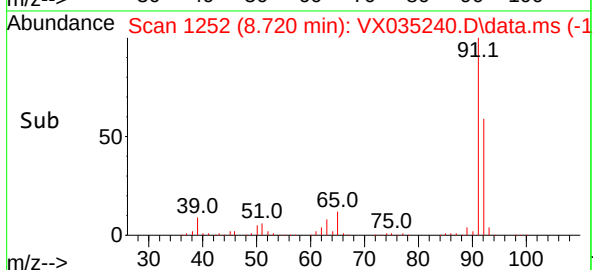
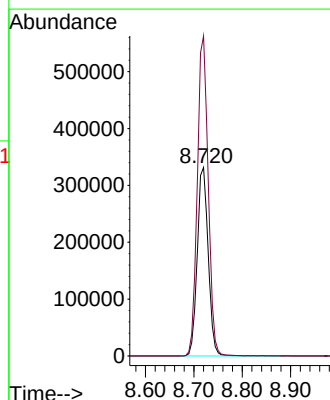
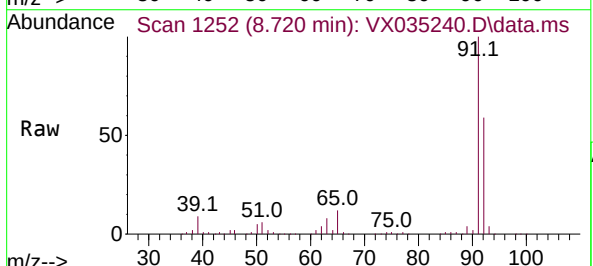
Instrument :
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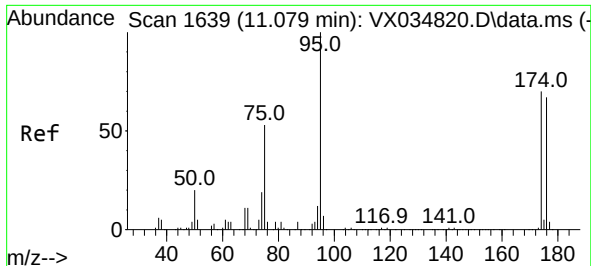
Tgt Ion: 98 Resp: 506811
Ion Ratio Lower Upper
98 100
100 67.1 52.5 78.7



#52
Toluene
Concen: 66.077 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX035240.D
Acq: 21 Apr 2023 18:45

Tgt Ion: 92 Resp: 518411
Ion Ratio Lower Upper
92 100
91 169.1 136.8 205.2





#62

4-Bromofluorobenzene

Concen: 47.389 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX035240.D

Acq: 21 Apr 2023 18:45

Instrument :

MSVOA_X

ClientSampleId :

SPA-4WC-23-04DL

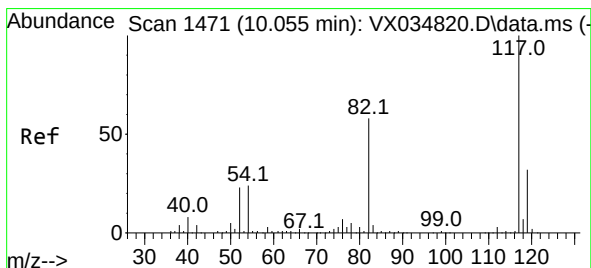
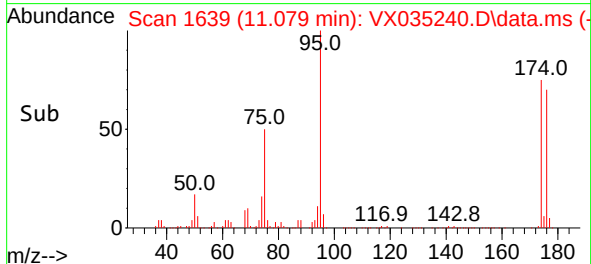
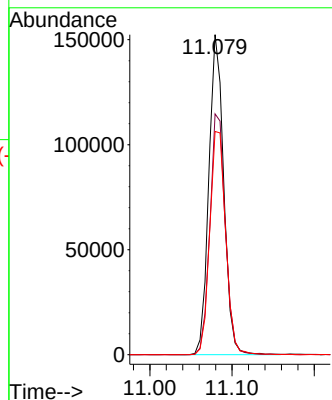
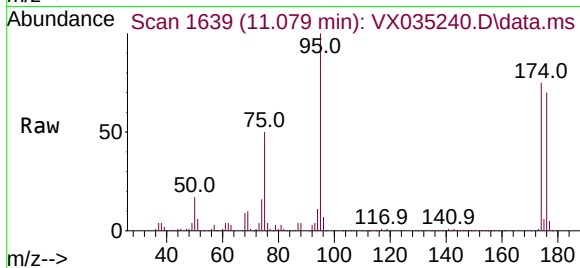
Tgt Ion: 95 Resp: 191508

Ion Ratio Lower Upper

95 100

174 77.9 0.0 147.4

176 75.0 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: VX035240.D

Acq: 21 Apr 2023 18:45

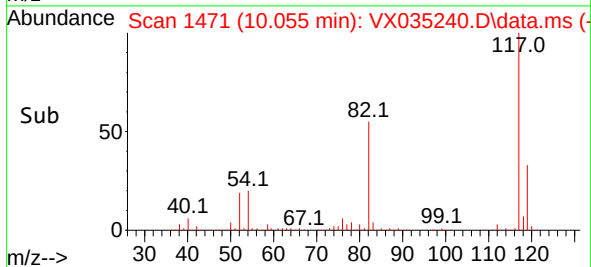
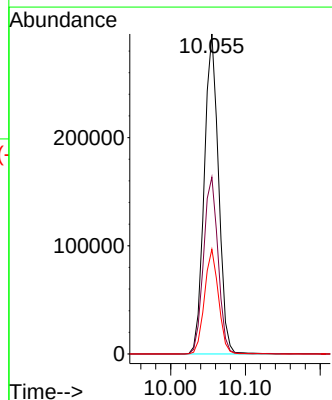
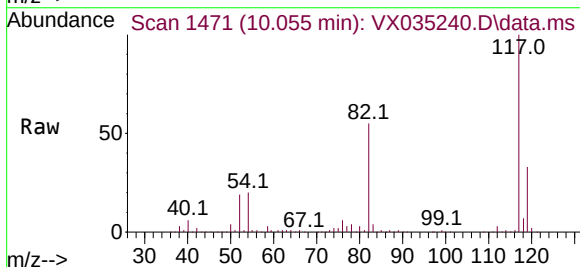
Tgt Ion: 117 Resp: 392566

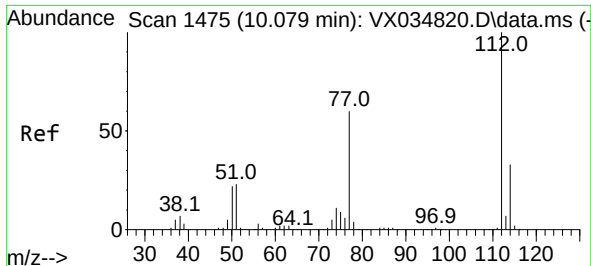
Ion Ratio Lower Upper

117 100

82 55.2 45.0 67.4

119 32.7 26.0 39.0

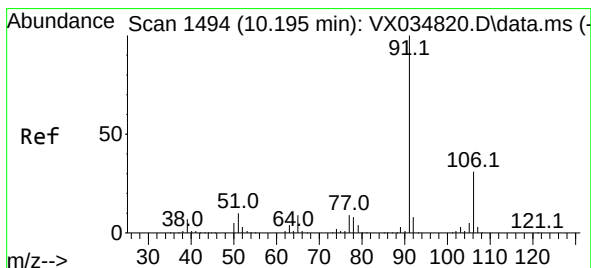
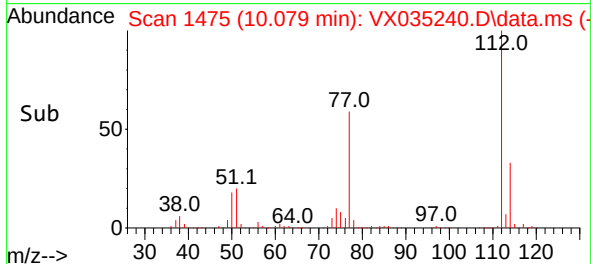
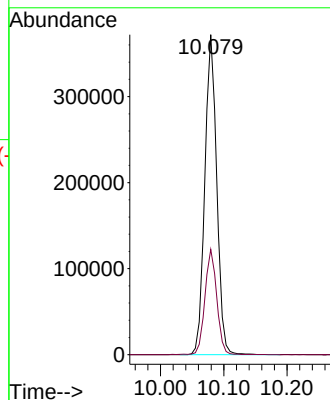
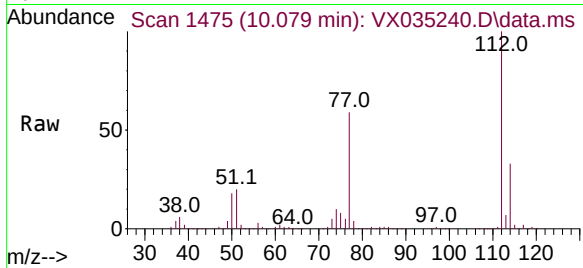




#65
Chlorobenzene
Concen: 59.715 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX035240.D
Acq: 21 Apr 2023 18:45

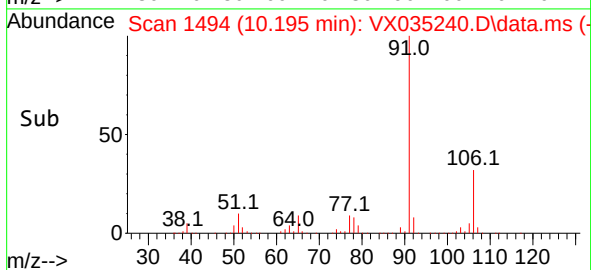
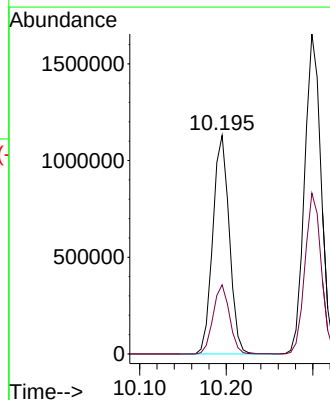
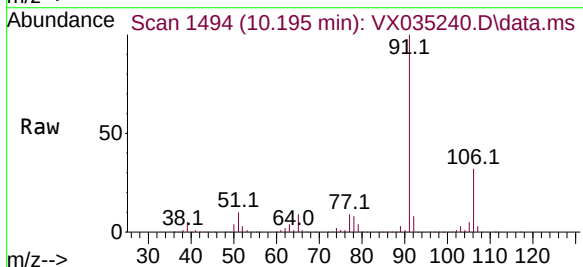
Instrument :
MSVOA_X
ClientSampleId :
SPA-4WC-23-04DL

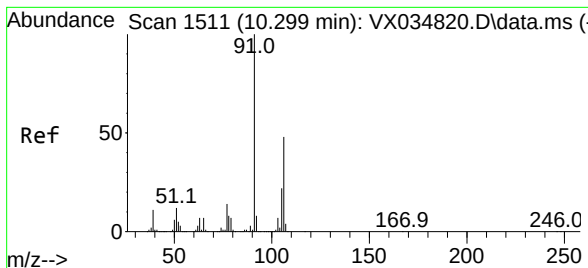
Tgt Ion:112 Resp: 487739
Ion Ratio Lower Upper
112 100
114 32.9 26.2 39.2



#67
Ethyl Benzene
Concen: 101.024 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX035240.D
Acq: 21 Apr 2023 18:45

Tgt Ion: 91 Resp: 1494800
Ion Ratio Lower Upper
91 100
106 31.6 25.6 38.4

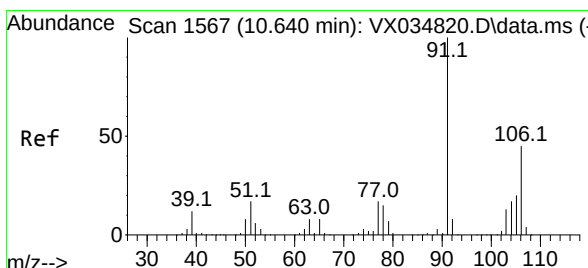
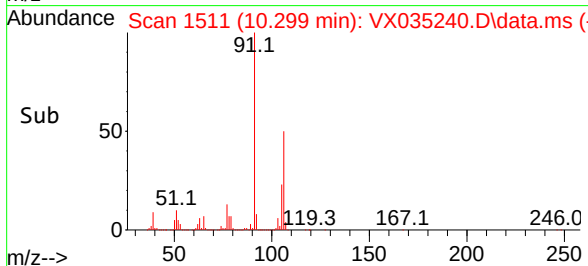
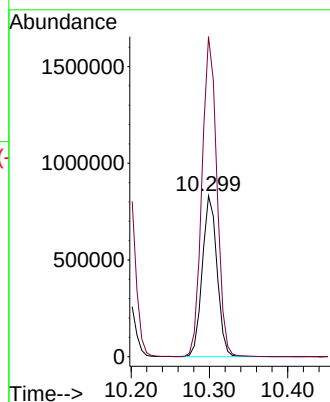
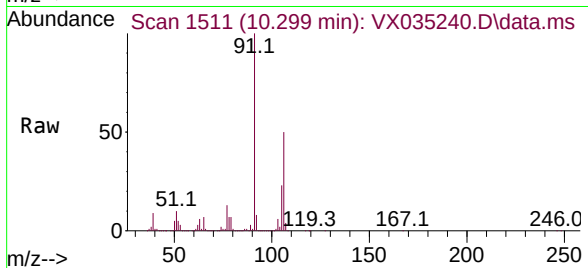




#68
m/p-Xylenes
Concen: 192.269 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX035240.D
Acq: 21 Apr 2023 18:45

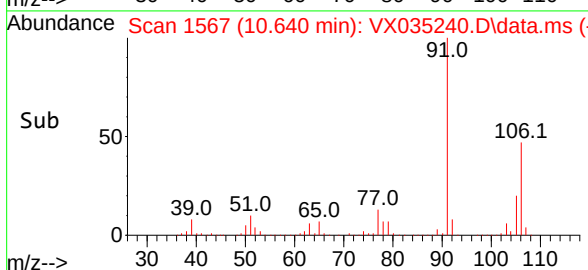
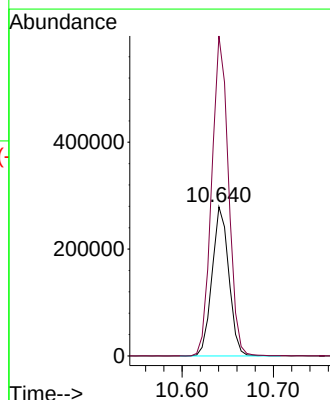
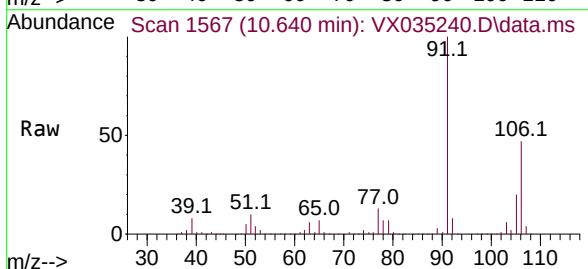
Instrument :
MSVOA_X
ClientSampleId :
SPA-4WC-23-04DL

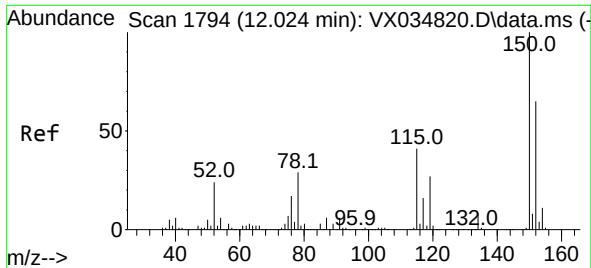
Tgt Ion:106 Resp: 1086725
Ion Ratio Lower Upper
106 100
91 201.5 164.0 246.0



#69
o-Xylene
Concen: 64.148 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX035240.D
Acq: 21 Apr 2023 18:45

Tgt Ion:106 Resp: 355186
Ion Ratio Lower Upper
106 100
91 214.3 108.5 325.3

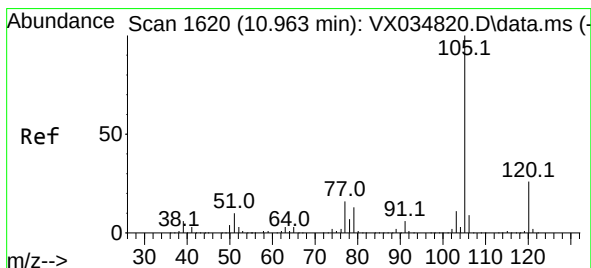
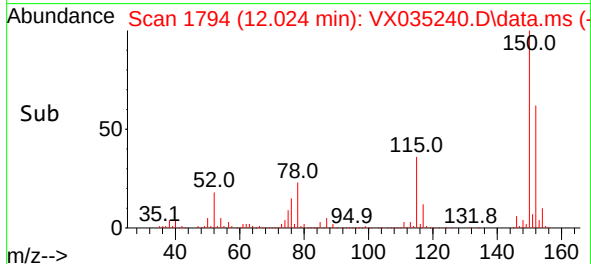
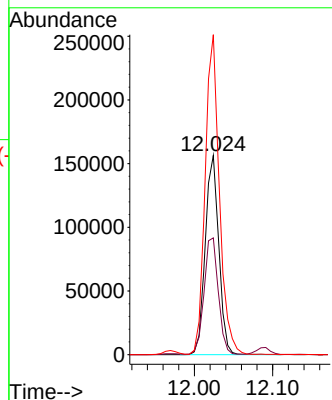
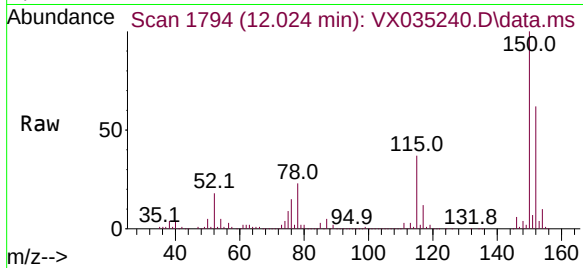




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX035240.D
Acq: 21 Apr 2023 18:45

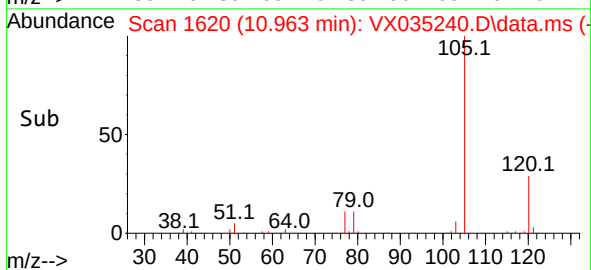
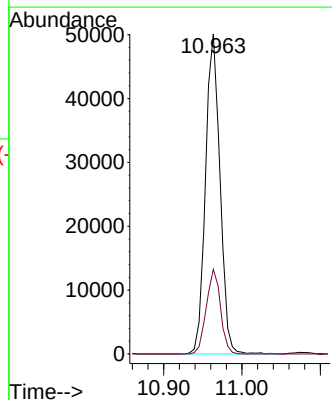
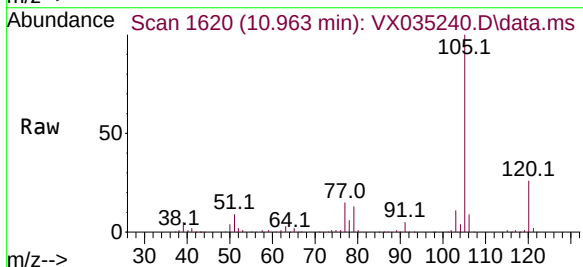
Instrument :
MSVOA_X
ClientSampleId :
SPA-4WC-23-04DL

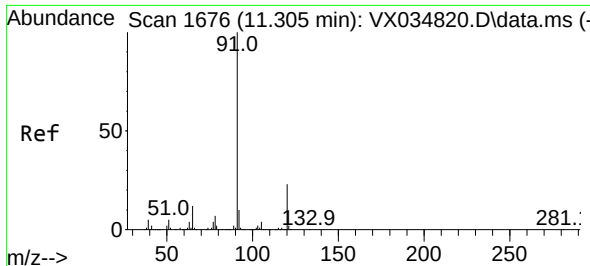
Tgt Ion:152 Resp: 187689
Ion Ratio Lower Upper
152 100
115 61.5 45.0 135.0
150 168.4 0.0 352.4



#73
Isopropylbenzene
Concen: 4.672 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX035240.D
Acq: 21 Apr 2023 18:45

Tgt Ion:105 Resp: 64230
Ion Ratio Lower Upper
105 100
120 25.8 13.3 39.9

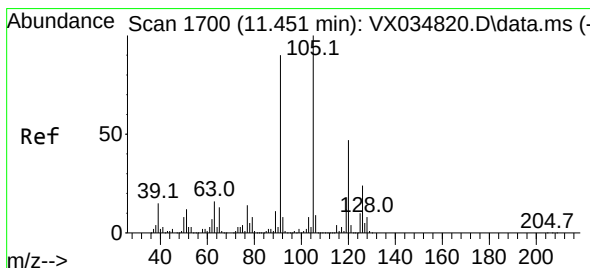
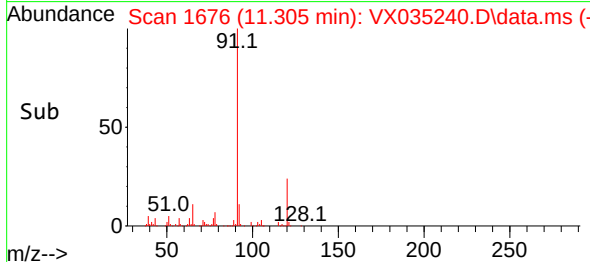
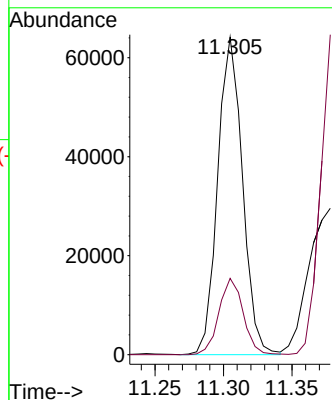
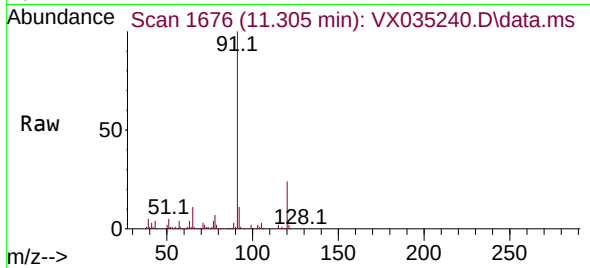




#78
n-propylbenzene
Concen: 5.083 ug/l
RT: 11.305 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX035240.D
Acq: 21 Apr 2023 18:45

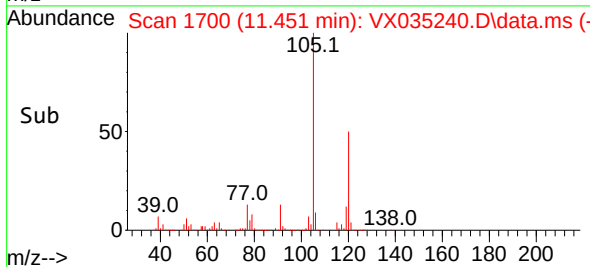
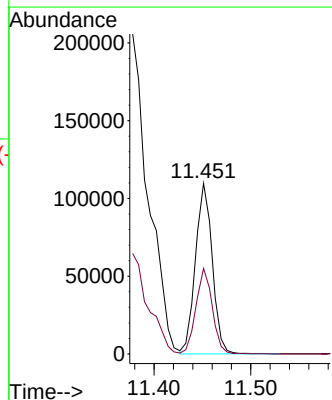
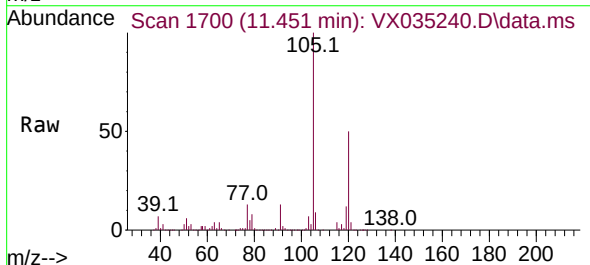
Instrument :
MSVOA_X
ClientSampleId :
SPA-4WC-23-04DL

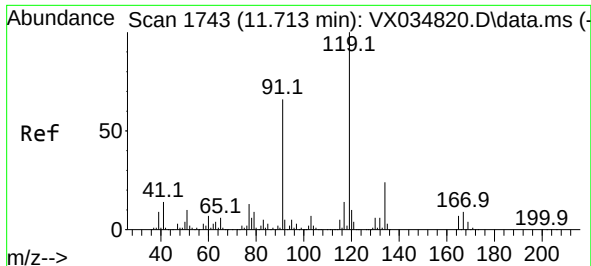
Tgt Ion: 91 Resp: 80735
Ion Ratio Lower Upper
91 100
120 23.5 11.5 34.5



#80
1,3,5-Trimethylbenzene
Concen: 11.538 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX035240.D
Acq: 21 Apr 2023 18:45

Tgt Ion:105 Resp: 132635
Ion Ratio Lower Upper
105 100
120 48.8 23.7 71.1

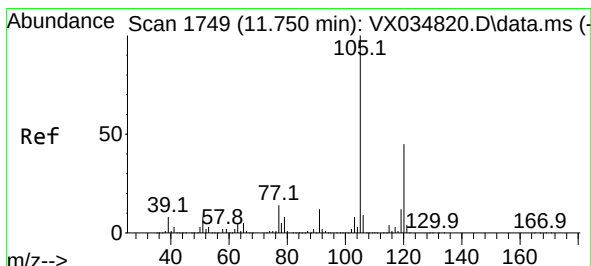
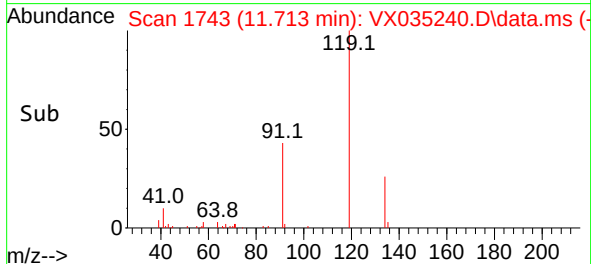
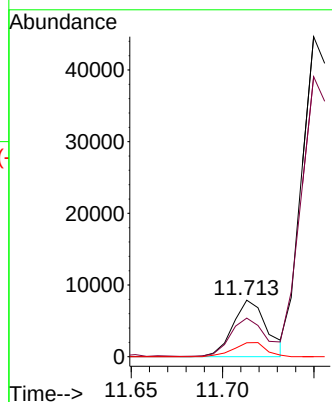
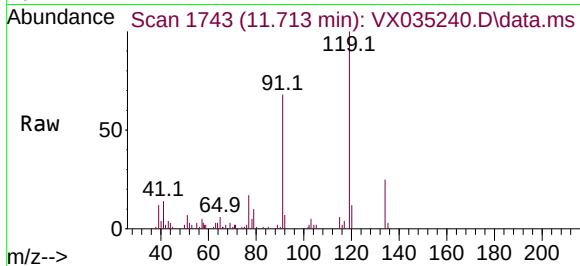




#83
tert-Butylbenzene
Concen: 0.942 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX035240.D
Acq: 21 Apr 2023 18:45

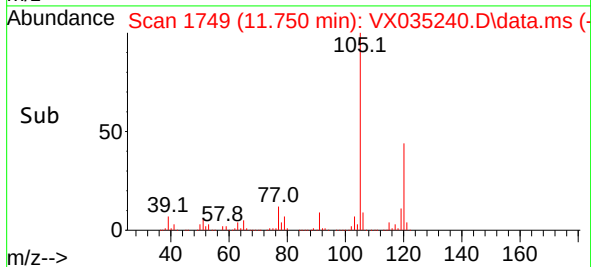
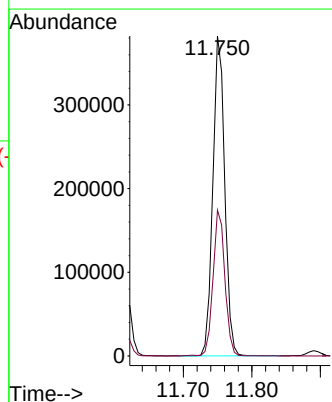
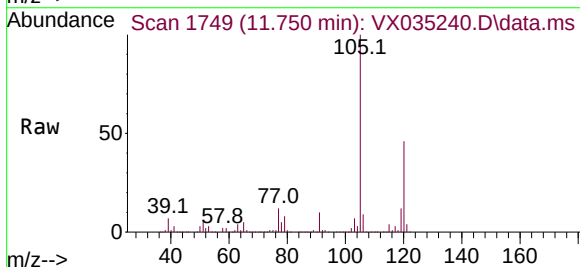
Instrument :
MSVOA_X
ClientSampleId :
SPA-4WC-23-04DL

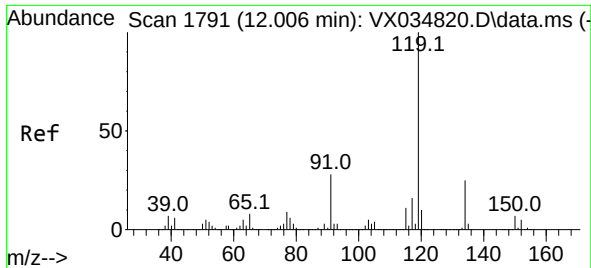
Tgt Ion:119 Resp: 10164
Ion Ratio Lower Upper
119 100
91 71.8 30.6 92.0
134 24.0 11.8 35.4



#84
1,2,4-Trimethylbenzene
Concen: 39.383 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX035240.D
Acq: 21 Apr 2023 18:45

Tgt Ion:105 Resp: 460376
Ion Ratio Lower Upper
105 100
120 45.5 22.4 67.0

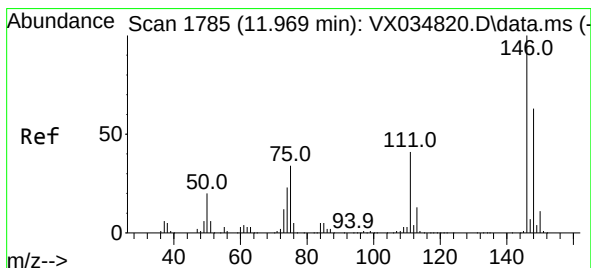
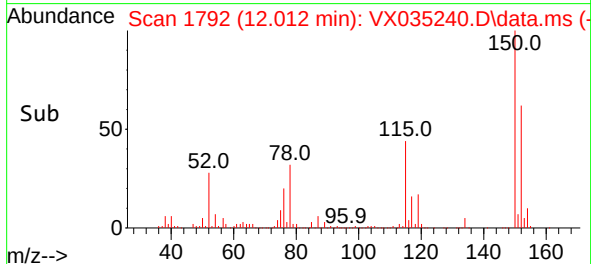
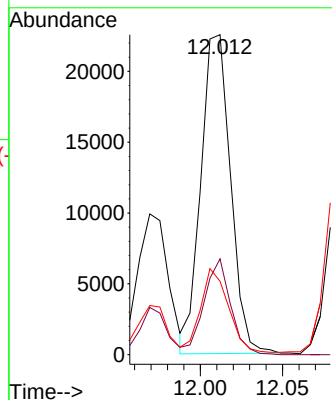
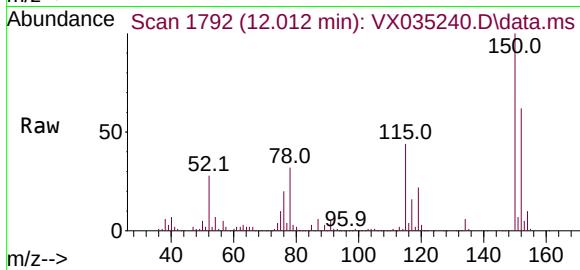




#86
p-Isopropyltoluene
Concen: 2.581 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX035240.D
Acq: 21 Apr 2023 18:45

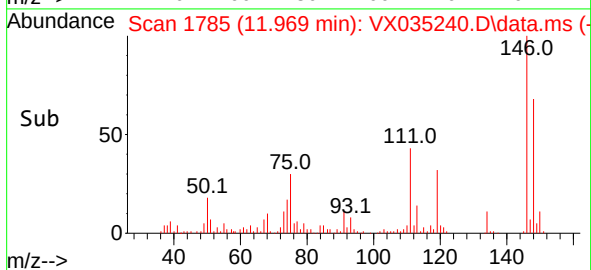
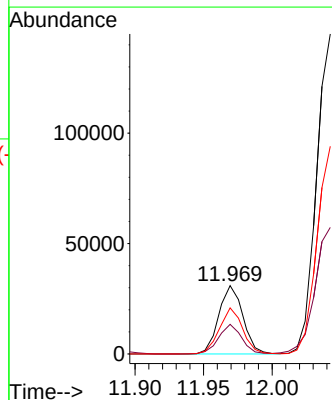
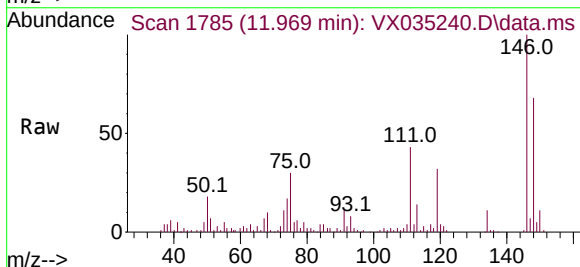
Instrument :
MSVOA_X
ClientSampleId :
SPA-4WC-23-04DL

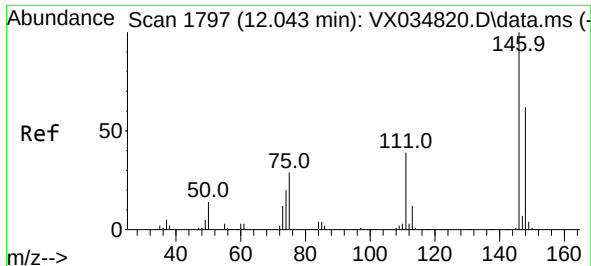
Tgt Ion:119 Resp: 28263
Ion Ratio Lower Upper
119 100
134 26.9 13.2 39.5
91 25.9 12.9 38.7



#87
1,3-Dichlorobenzene
Concen: 6.089 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX035240.D
Acq: 21 Apr 2023 18:45

Tgt Ion:146 Resp: 37775
Ion Ratio Lower Upper
146 100
111 41.7 20.9 62.8
148 65.4 31.6 95.0

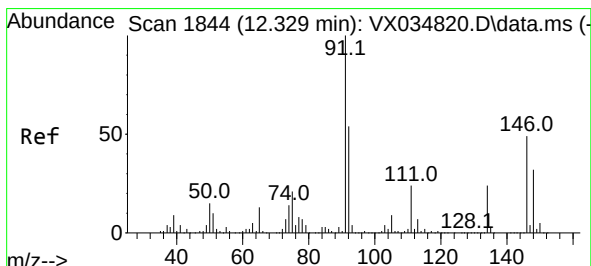
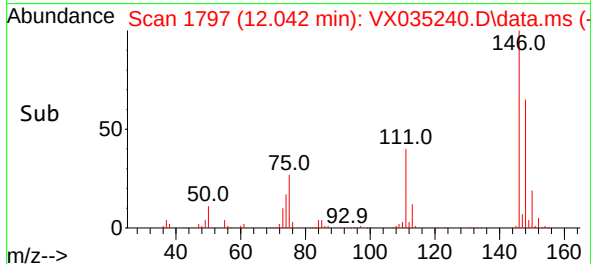
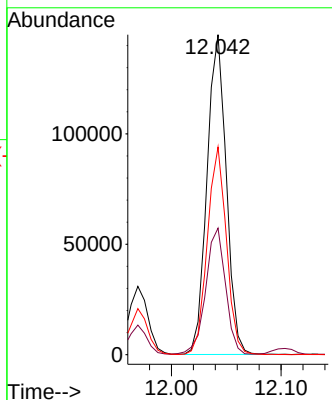
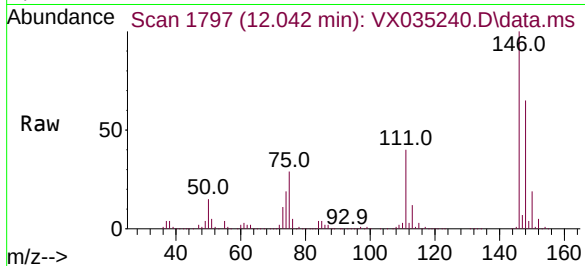




#88
1,4-Dichlorobenzene
Concen: 27.355 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. -0.001 min
Lab File: VX035240.D
Acq: 21 Apr 2023 18:45

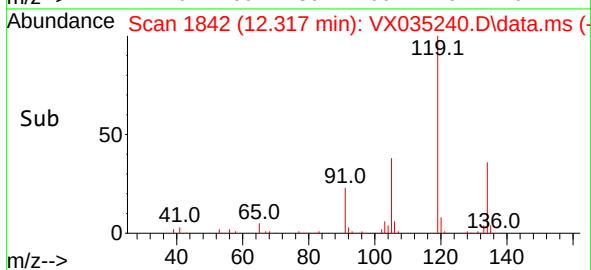
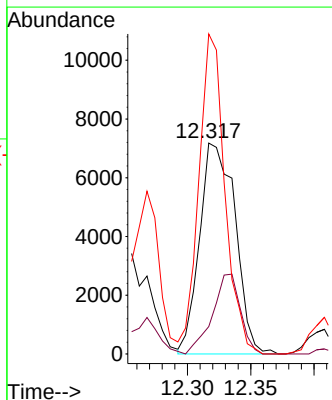
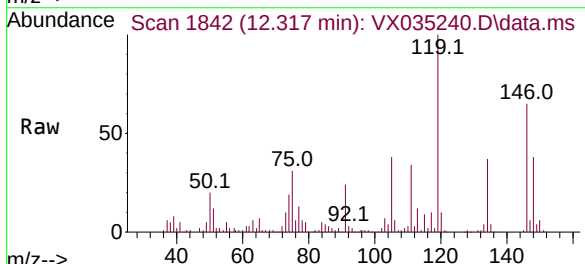
Instrument :
MSVOA_X
ClientSampleId :
SPA-4WC-23-04DL

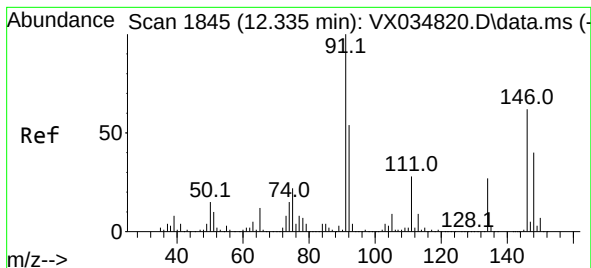
Tgt Ion:146 Resp: 177250
Ion Ratio Lower Upper
146 100
111 40.9 20.6 61.9
148 64.4 31.8 95.4



#89
n-Butylbenzene
Concen: 1.467 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. -0.012 min
Lab File: VX035240.D
Acq: 21 Apr 2023 18:45

Tgt Ion: 91 Resp: 14036
Ion Ratio Lower Upper
91 100
92 29.7 27.7 83.0
134 111.5 13.0 38.9#





#91

1,2-Dichlorobenzene

Concen: 45.825 ug/l

RT: 12.335 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX035240.D

Acq: 21 Apr 2023 18:45

Instrument :

MSVOA_X

ClientSampleId :

SPA-4WC-23-04DL

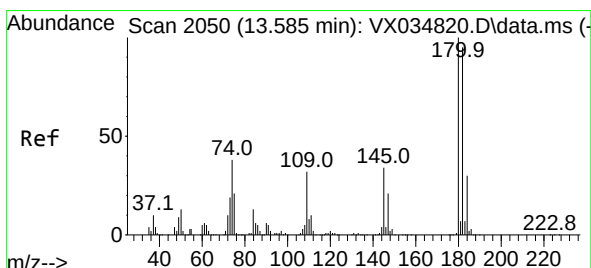
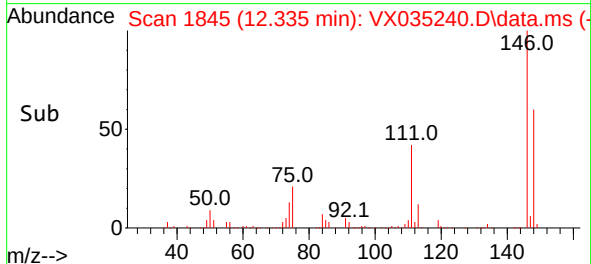
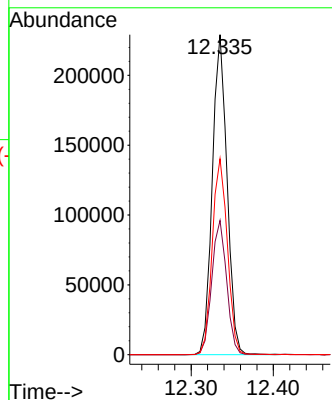
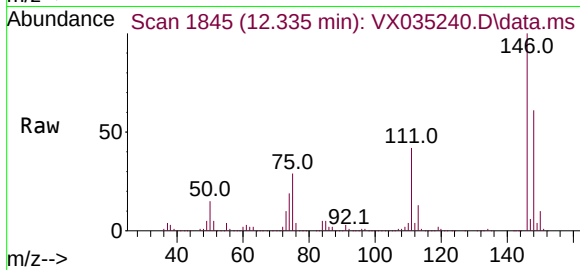
Tgt Ion:146 Resp: 284727

Ion Ratio Lower Upper

146 100

111 42.5 22.0 66.0

148 63.0 32.0 96.0



#93

1,2,4-Trichlorobenzene

Concen: 7.061 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX035240.D

Acq: 21 Apr 2023 18:45

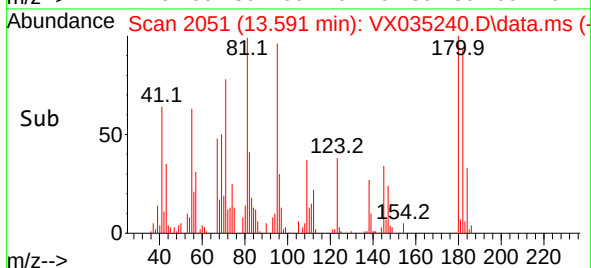
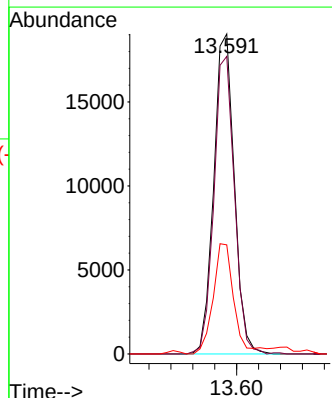
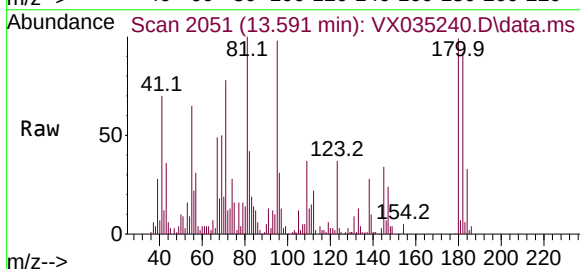
Tgt Ion:180 Resp: 24812

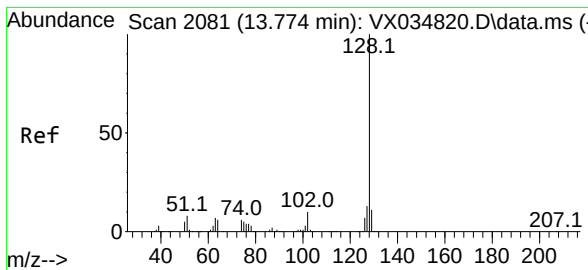
Ion Ratio Lower Upper

180 100

182 92.8 47.0 141.0

145 34.0 15.9 47.7





#95
Naphthalene
Concen: 27.074 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX035240.D
Acq: 21 Apr 2023 18:45

Instrument :
MSVOA_X
ClientSampleId :
SPA-4WC-23-04DL

Tgt Ion:128 Resp: 338065
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.4
129 11.1 8.6 13.0

