

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071320\
 Data File : VX017353.D
 Acq On : 13 Jul 2020 14:57
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

Quant Time: Jul 14 03:02:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 14 02:59:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	353267	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	522399	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	491009	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	271780	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	195559	44.11	ug/l	0.00
Spiked Amount			Recovery	=	88.22%	
35) Dibromofluoromethane	5.46	113	159784	45.41	ug/l	0.00
Spiked Amount			Recovery	=	90.82%	
50) Toluene-d8	8.70	98	587463	46.28	ug/l	0.00
Spiked Amount			Recovery	=	92.56%	
62) 4-Bromofluorobenzene	11.12	95	234878	46.58	ug/l	0.00
Spiked Amount			Recovery	=	93.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	154781	51.779	ug/l	100
3) Chloromethane	1.31	50	163373	48.546	ug/l	97
4) Vinyl Chloride	1.39	62	164112	49.294	ug/l	98
5) Bromomethane	1.62	94	107194	49.460	ug/l	100
6) Chloroethane	1.71	64	98488	46.867	ug/l	100
7) Trichlorofluoromethane	1.92	101	255763	45.516	ug/l	97
8) Diethyl Ether	2.17	74	89612	45.116	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	137262	42.881	ug/l	99
10) Methyl Iodide	2.49	142	184155	43.722	ug/l	98
11) Tert butyl alcohol	3.01	59	167474	224.191	ug/l	99
12) 1,1-Dichloroethene	2.36	96	132479	41.208	ug/l	97
13) Acrolein	2.27	56	94034	229.634	ug/l	98
14) Allyl chloride	2.70	41	258572	46.418	ug/l	98
15) Acrylonitrile	3.11	53	426650	235.603	ug/l	99
16) Acetone	2.42	43	337323	213.254	ug/l	99
17) Carbon Disulfide	2.55	76	425204	45.339	ug/l	100
18) Methyl Acetate	2.75	43	178269	45.630	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	518540	47.503	ug/l	99
20) Methylene Chloride	2.83	84	167271	43.342	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	165592	45.020	ug/l	97
22) Diisopropyl ether	3.82	45	512424	48.291	ug/l	92
23) Vinyl Acetate	3.78	43	2325233	249.166	ug/l	100
24) 1,1-Dichloroethane	3.67	63	286277	45.907	ug/l	100
25) 2-Butanone	4.63	43	580656	231.121	ug/l	98
26) 2,2-Dichloropropane	4.55	77	264115	45.508	ug/l	100
27) cis-1,2-Dichloroethene	4.56	96	187025	46.367	ug/l	98
28) Bromochloromethane	4.98	49	133980	46.508	ug/l	99
29) Tetrahydrofuran	5.09	42	386241	237.498	ug/l	98
30) Chloroform	5.17	83	301559	44.946	ug/l	98
31) Cyclohexane	5.54	56	255707	50.088	ug/l	98
32) 1,1,1-Trichloroethane	5.46	97	278544	44.908	ug/l	99
36) 1,1-Dichloropropene	5.77	75	229467	47.755	ug/l	100
37) Ethyl Acetate	4.79	43	233434	46.975	ug/l	99
38) Carbon Tetrachloride	5.75	117	255186	45.359	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	267879	51.337	ug/l	97
40) Benzene	6.11	78	658905	47.714	ug/l	99
41) Methacrylonitrile	5.00	41	132148	49.536	ug/l	98
42) 1,2-Dichloroethane	6.16	62	246274	45.901	ug/l	99
43) Isopropyl Acetate	6.41	43	392678	49.453	ug/l	99
44) Trichloroethene	7.18	130	196493	46.583	ug/l	95
45) 1,2-Dichloropropane	7.49	63	173969	49.235	ug/l	99
46) Dibromomethane	7.63	93	121803	47.796	ug/l	98
47) Bromodichloromethane	7.87	83	250854	47.084	ug/l	97
48) Methyl methacrylate	7.74	41	192006	50.390	ug/l	99
49) 1,4-Dioxane	7.71	88	72451	929.125	ug/l	96
51) 4-Methyl-2-Pentanone	8.62	43	1206491	249.188	ug/l	99
52) Toluene	8.76	92	430351	48.563	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	285920	49.814	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	299069	48.853	ug/l	99
55) 1,1,2-Trichloroethane	9.20	97	176732	47.826	ug/l	99
56) Ethyl methacrylate	9.16	69	272973	52.031	ug/l	99
57) 1,3-Dichloropropane	9.35	76	294319	47.881	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	699978	262.772	ug/l	99
59) 2-Hexanone	9.47	43	901853	246.793	ug/l	99
60) Dibromochloromethane	9.56	129	210137	46.548	ug/l	99
61) 1,2-Dibromoethane	9.65	107	193963	48.250	ug/l	100
64) Tetrachloroethene	9.32	164	195189	45.929	ug/l	99
65) Chlorobenzene	10.12	112	483118	48.417	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.20	131	191204	48.129	ug/l	98
67) Ethyl Benzene	10.23	91	836826	50.377	ug/l	98
68) m/p-Xylenes	10.34	106	648129	102.548	ug/l	98
69) o-Xylene	10.68	106	303992	50.336	ug/l	98
70) Styrene	10.70	104	535533	51.659	ug/l	99
71) Bromoform	10.84	173	161778	48.258	ug/l #	99
73) Isopropylbenzene	11.00	105	834957	49.008	ug/l	100
74) N-amyl acetate	10.88	43	360425	52.866	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	251860	48.689	ug/l	98
76) 1,2,3-Trichloropropane	11.28	75	322536	64.224	ug/l	86
77) Bromobenzene	11.24	156	228342	47.058	ug/l	97
78) n-propylbenzene	11.34	91	971682	50.783	ug/l	100
79) 2-Chlorotoluene	11.40	91	575673	48.822	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	723469	50.025	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.05	75	96949	48.972	ug/l	99
82) 4-Chlorotoluene	11.49	91	692517	49.558	ug/l	100
83) tert-Butylbenzene	11.76	119	703901	50.350	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	744750	50.973	ug/l	100
85) sec-Butylbenzene	11.93	105	827532	50.560	ug/l	99
86) p-Isopropyltoluene	12.05	119	793206	51.218	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	415123	47.823	ug/l	100
88) 1,4-Dichlorobenzene	12.08	146	415667	47.397	ug/l	99
89) n-Butylbenzene	12.37	91	685180	51.877	ug/l	99
90) Hexachloroethane	12.58	117	143862	48.931	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	387563	47.511	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	59005	43.229	ug/l	98

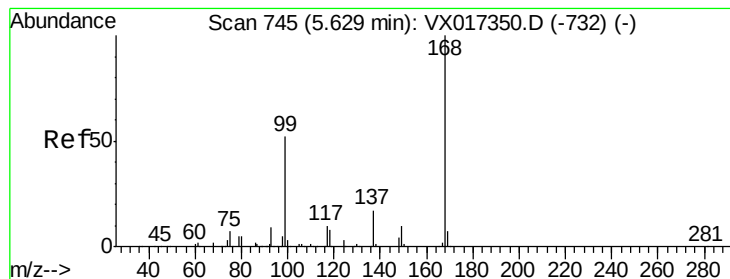
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	273633	48.323	ug/l	99
94) Hexachlorobutadiene	13.77	225	112534	48.731	ug/l	98
95) Naphthalene	13.82	128	852941	51.230	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	271651	49.663	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX017353.D

Acq: 13 Jul 2020 14:57

Instrument :

MSVOA_X

ClientSampleId :

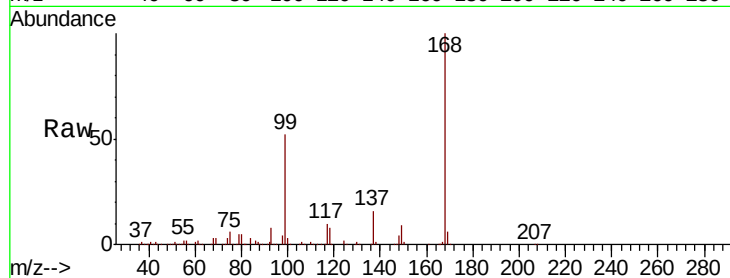
BFB

Tot Ion:168 Resp: 353267

Ion Ratio Lower Upper

168 100

99 51.9 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

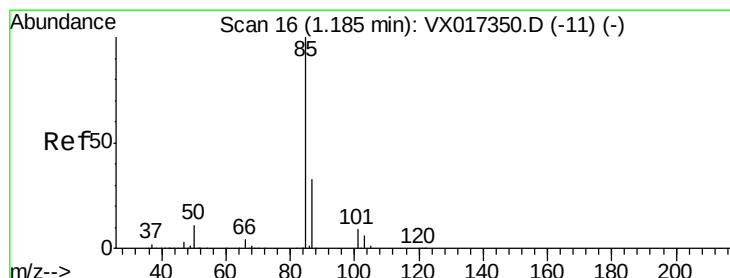
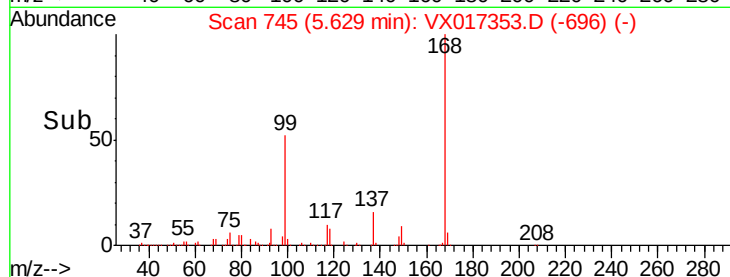
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 51.779 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017353.D

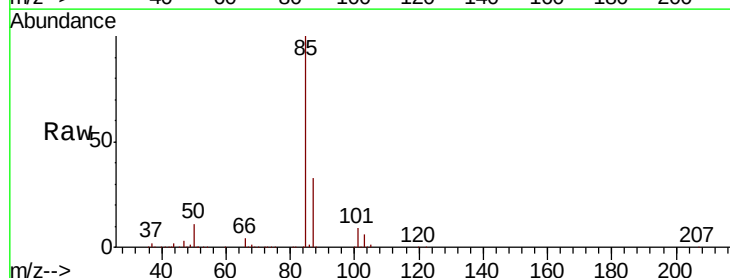
Acq: 13 Jul 2020 14:57

Tgt Ion: 85 Resp: 154781

Ion Ratio Lower Upper

85 100

87 32.8 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

200000

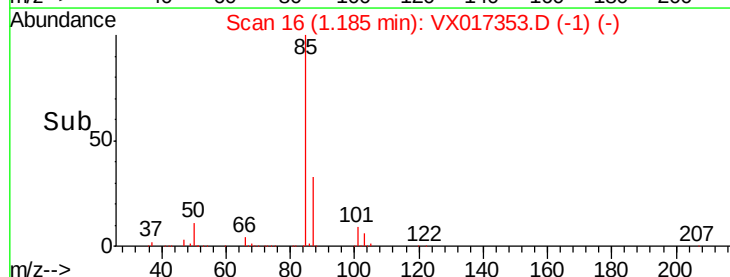
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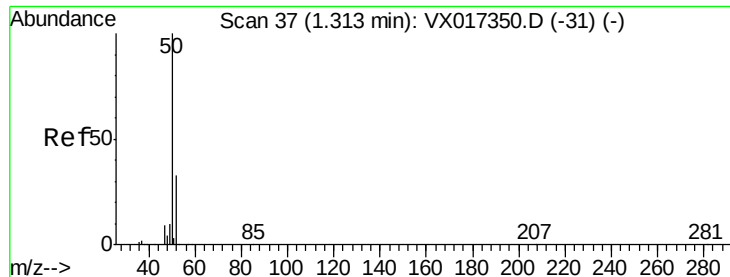
100000

50000

0

Time-->





#3

Chloromethane

Concen: 48.546 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017353.D

Acq: 13 Jul 2020 14:57

Instrument :

MSVOA_X

ClientSampleId :

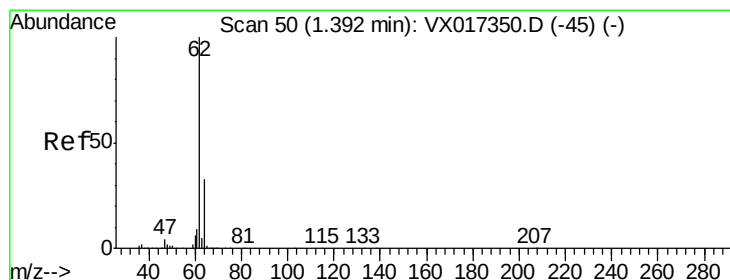
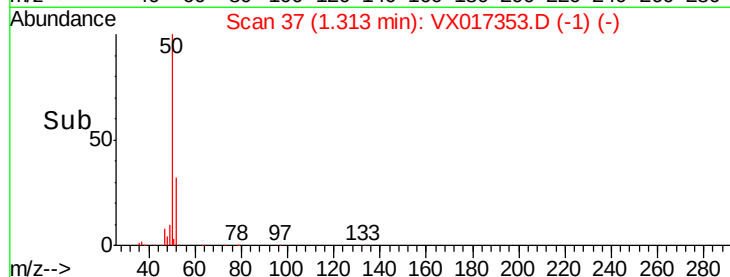
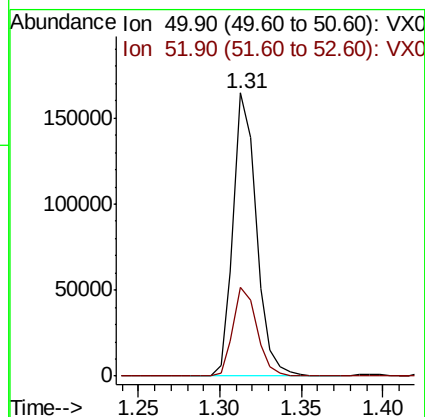
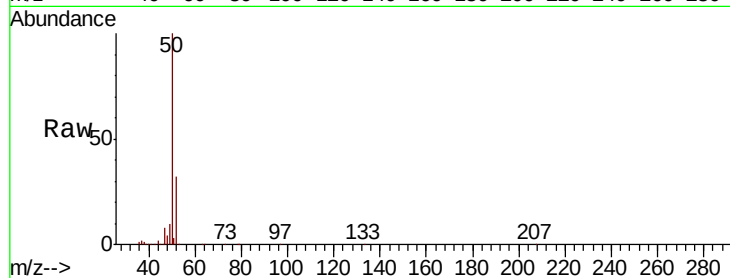
BFB

Tot Ion: 50 Resp: 163373

Ion Ratio Lower Upper

50 100

52 31.6 26.7 40.1



#4

Vinyl Chloride

Concen: 49.294 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX017353.D

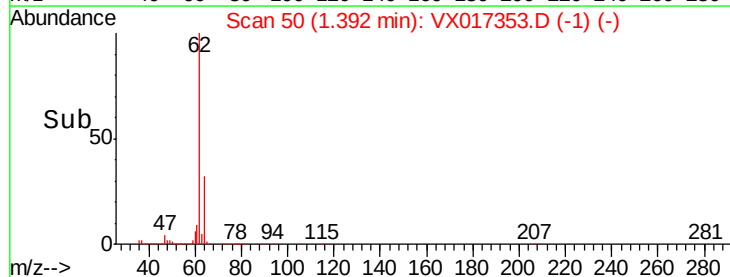
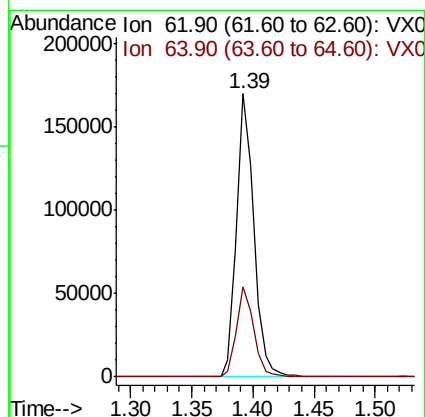
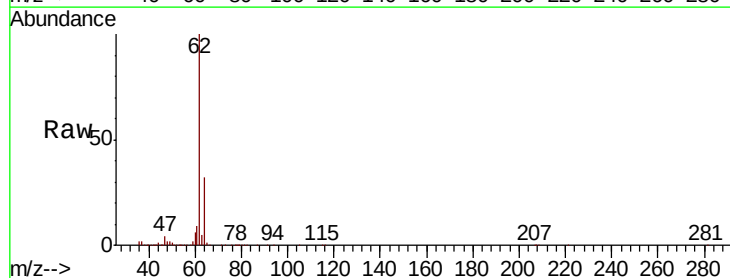
Acq: 13 Jul 2020 14:57

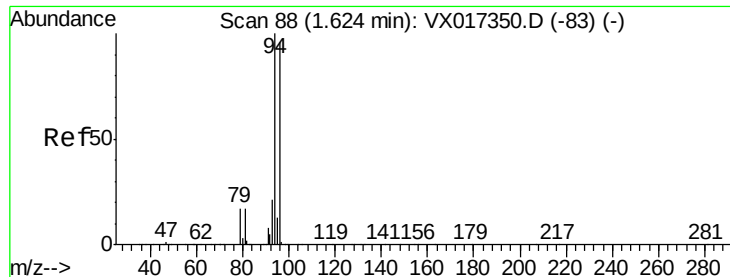
Tgt Ion: 62 Resp: 164112

Ion Ratio Lower Upper

62 100

64 31.6 26.3 39.5





#5

Bromomethane

Concen: 49.460 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX017353.D

Acq: 13 Jul 2020 14:57

Instrument :

MSVOA_X

ClientSampled :

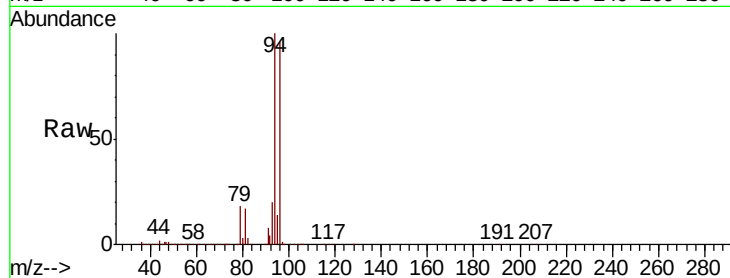
BFB

Tot Ion: 94 Resp: 107194

Ion Ratio Lower Upper

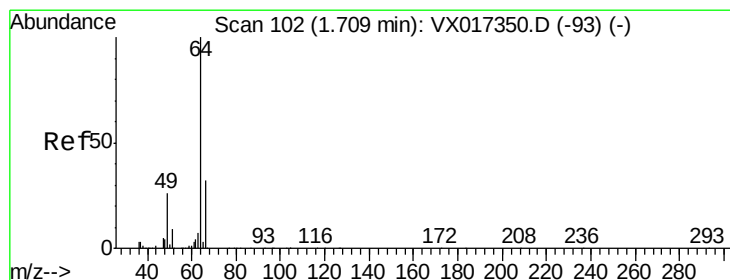
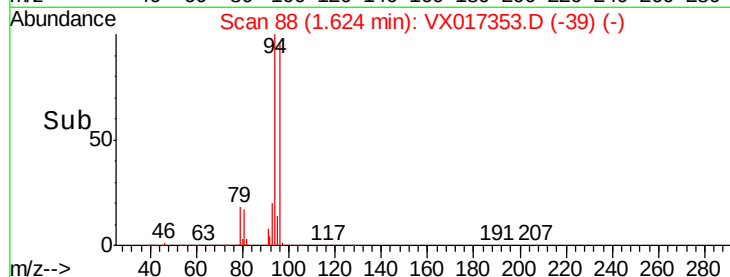
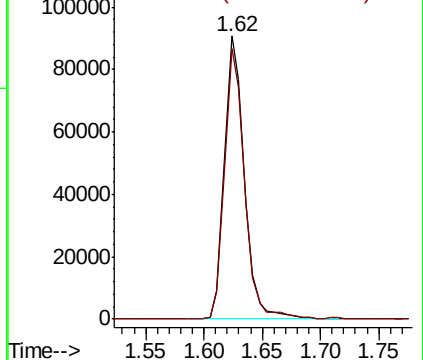
94 100

96 95.6 76.6 115.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 46.867 ug/l

RT: 1.71 min Scan# 102

Delta R.T. 0.00 min

Lab File: VX017353.D

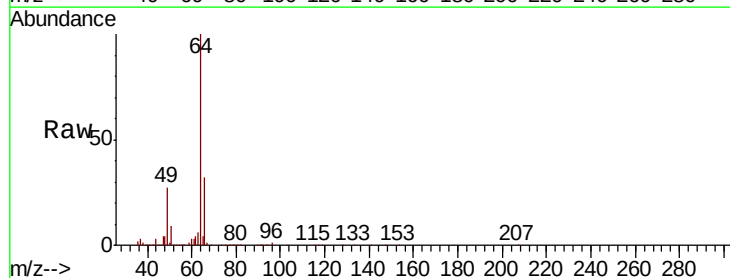
Acq: 13 Jul 2020 14:57

Tgt Ion: 64 Resp: 98488

Ion Ratio Lower Upper

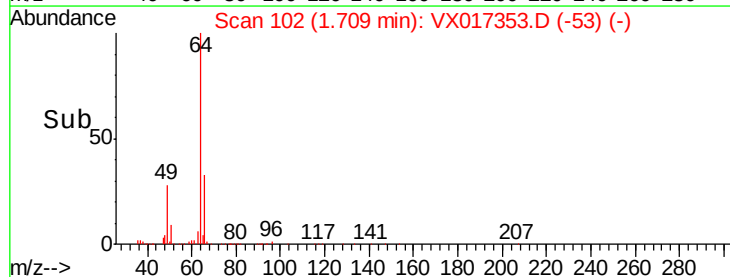
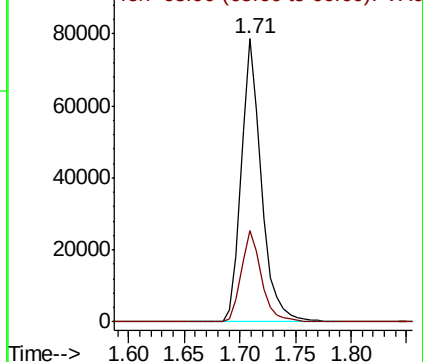
64 100

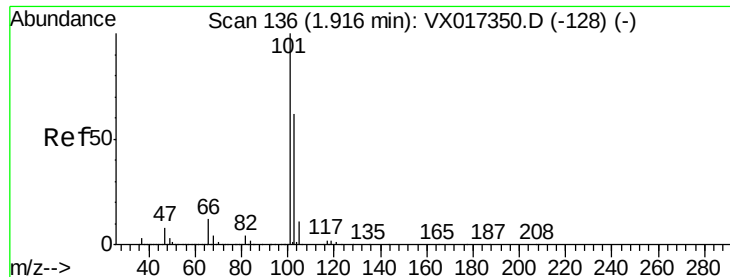
66 32.2 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



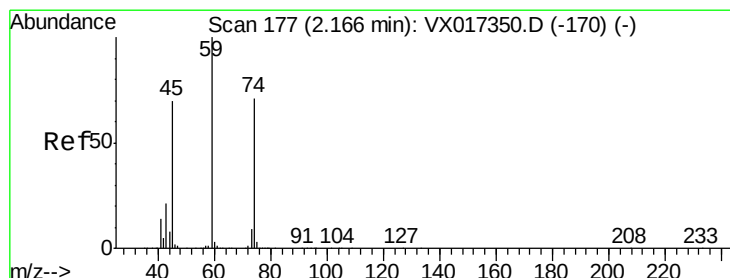
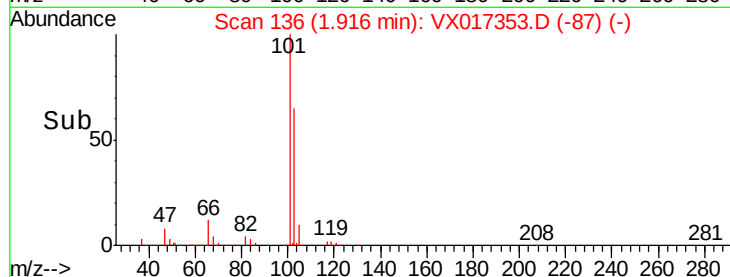
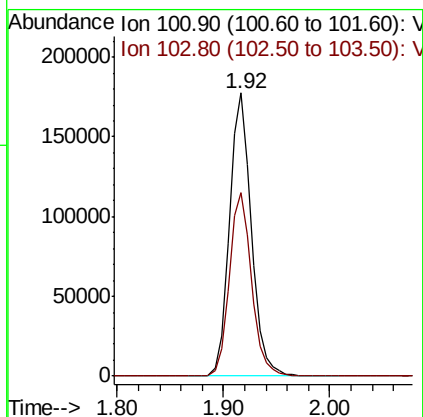
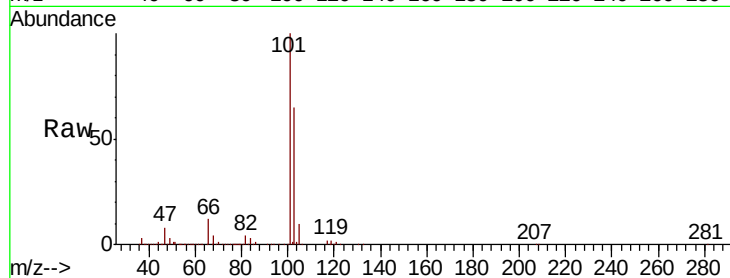


#7

Trichlorofluoromethane
Concen: 45.516 ug/l
RT: 1.92 min Scan# 136
Delta R.T. 0.00 min
Lab File: VX017353.D
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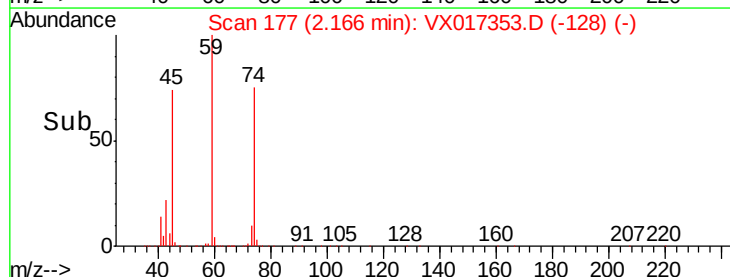
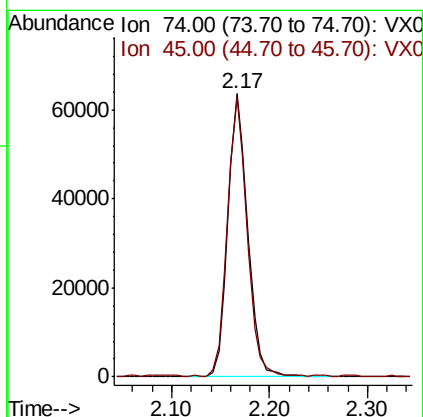
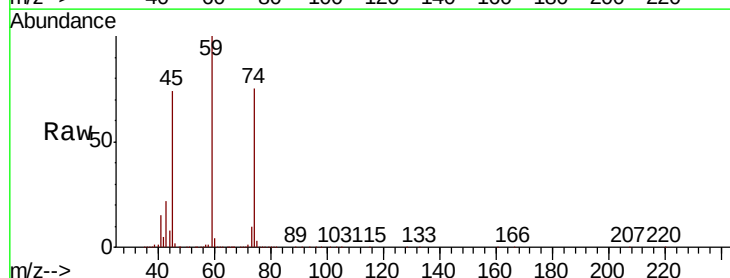
Tot Ion:101 Resp: 255763
Ion Ratio Lower Upper
101 100
103 64.7 49.6 74.4

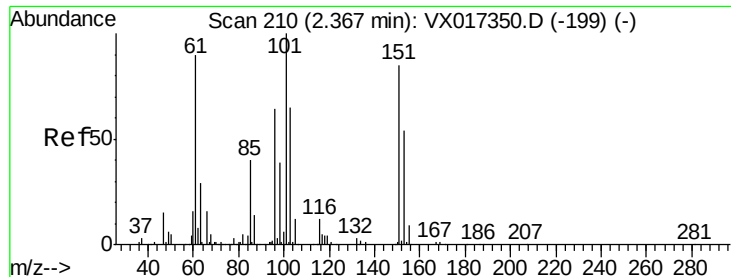


#8

Diethyl Ether
Concen: 45.116 ug/l
RT: 2.17 min Scan# 177
Delta R.T. 0.00 min
Lab File: VX017353.D
Acq: 13 Jul 2020 14:57

Tgt Ion: 74 Resp: 89612
Ion Ratio Lower Upper
74 100
45 97.3 47.2 141.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.881 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX017353.D

Acq: 13 Jul 2020 14:57

Instrument :

MSVOA_X

ClientSampleId :

BFB

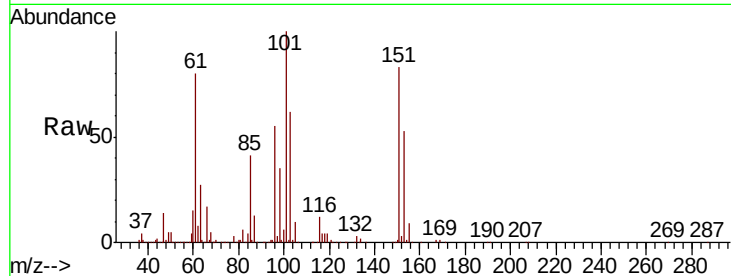
Tot Ion:101 Resp: 137262

Ion Ratio Lower Upper

101 100

85 43.5 33.7 50.5

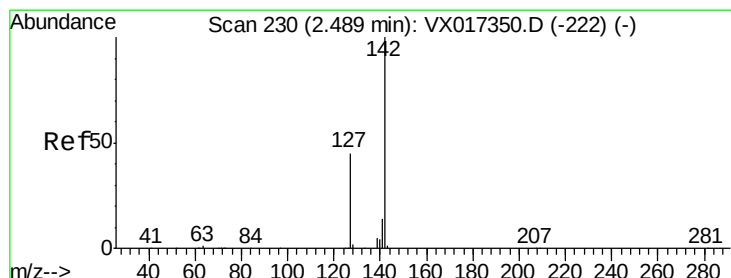
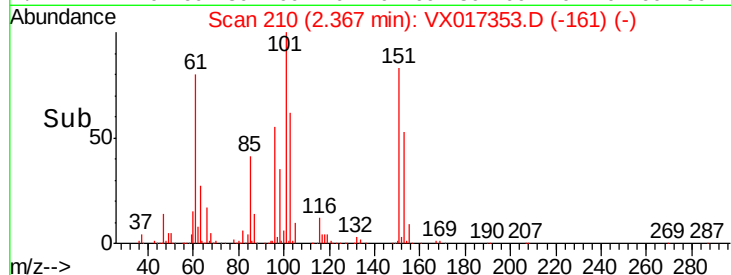
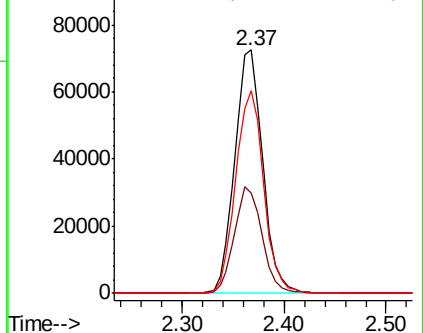
151 83.4 66.4 99.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 43.722 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX017353.D

Acq: 13 Jul 2020 14:57

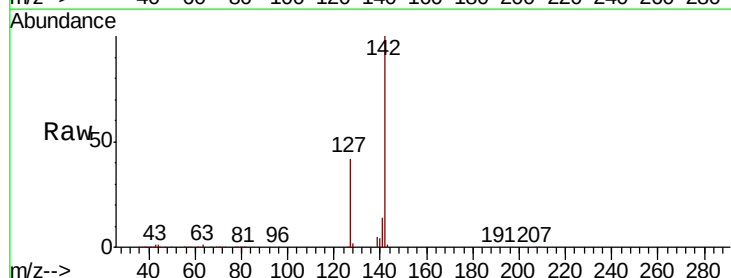
Tgt Ion:142 Resp: 184155

Ion Ratio Lower Upper

142 100

127 44.0 36.8 55.2

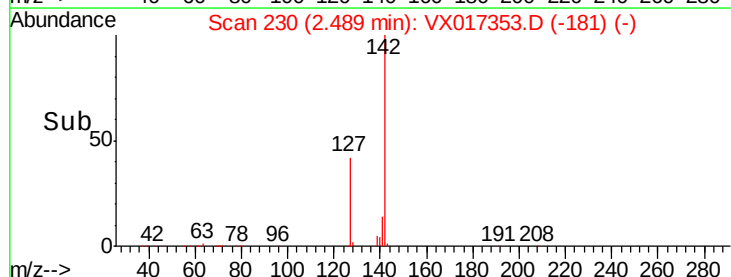
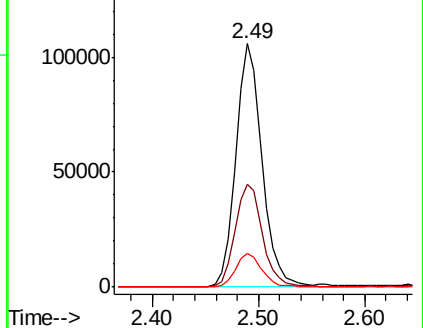
141 13.8 11.4 17.0

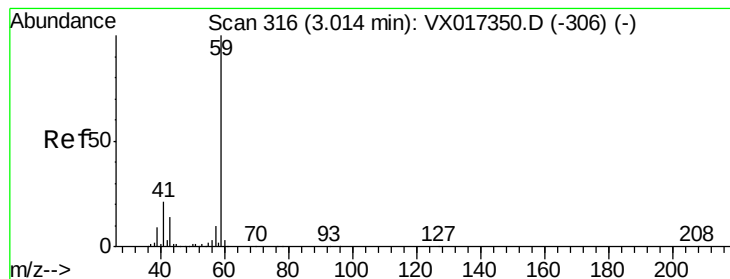


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



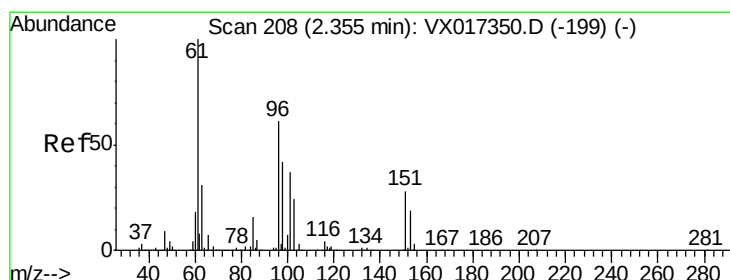
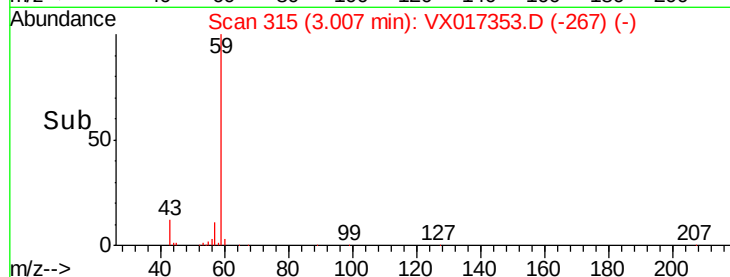
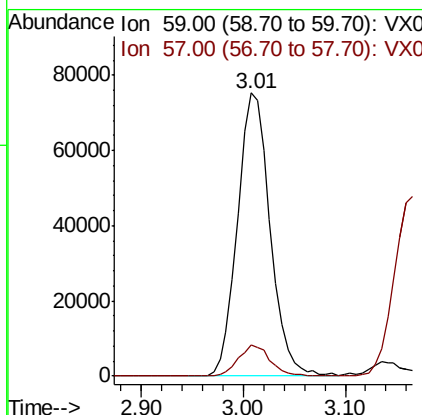
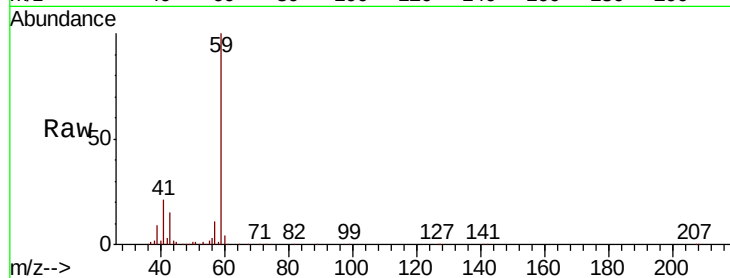


#11

Tert butyl alcohol
 Concen: 224.191 ug/l
 RT: 3.01 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX017353.D
 Acq: 13 Jul 2020 14:57

Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

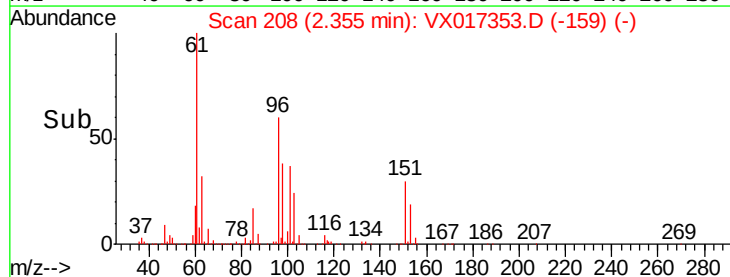
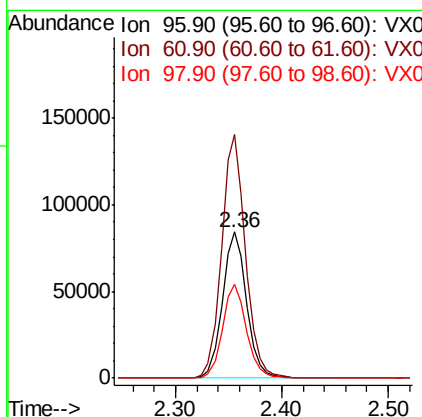
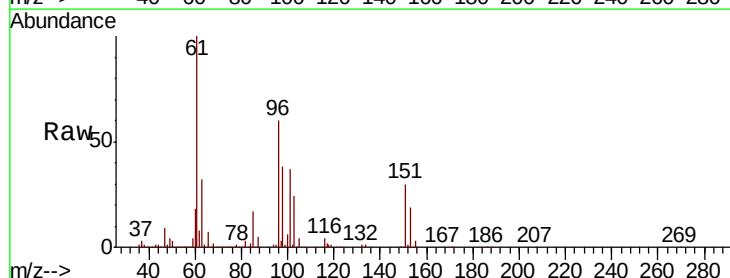
Tot Ion: 59 Resp: 167474
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.3 12.5

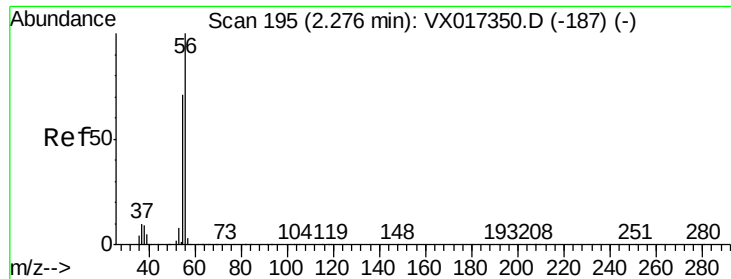


#12

1,1-Dichloroethene
 Concen: 41.208 ug/l
 RT: 2.36 min Scan# 208
 Delta R.T. 0.00 min
 Lab File: VX017353.D
 Acq: 13 Jul 2020 14:57

Tgt Ion: 96 Resp: 132479
 Ion Ratio Lower Upper
 96 100
 61 167.1 131.5 197.3
 98 64.4 55.1 82.7





#13

Acrolein

Concen: 229.634 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX017353.D

Acq: 13 Jul 2020 14:57

Instrument :

MSVOA_X

ClientSampleId :

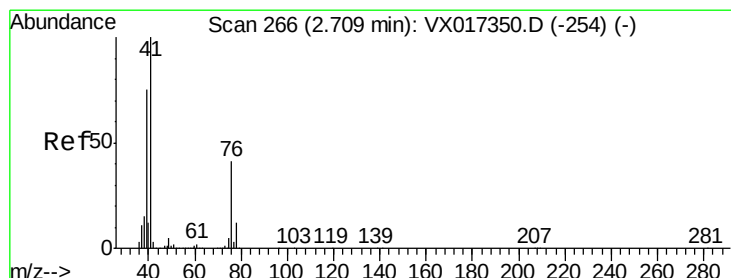
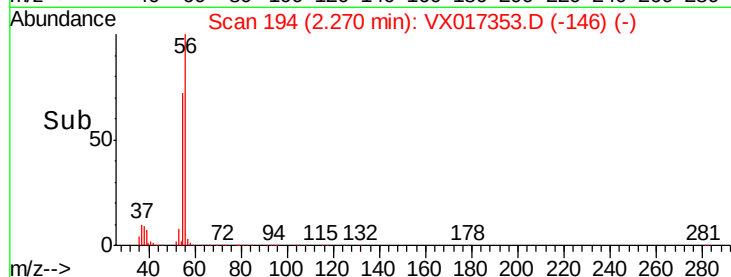
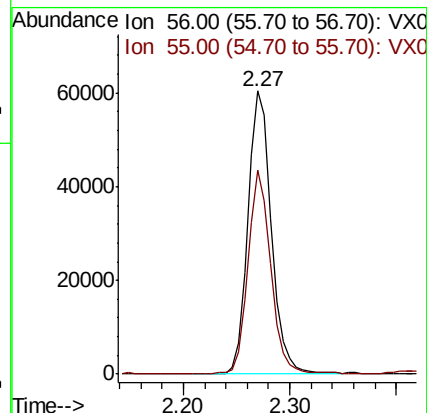
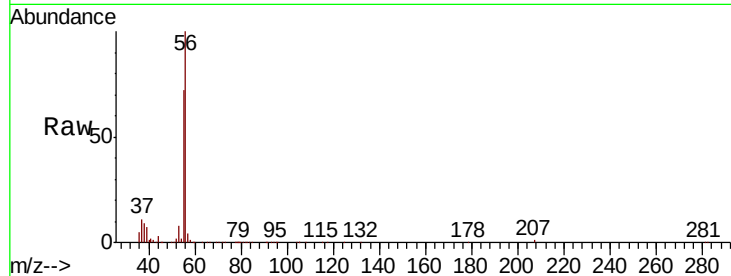
BFB

Tot Ion: 56 Resp: 94034

Ion Ratio Lower Upper

56 100

55 69.5 57.1 85.7



#14

Allyl chloride

Concen: 46.418 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX017353.D

Acq: 13 Jul 2020 14:57

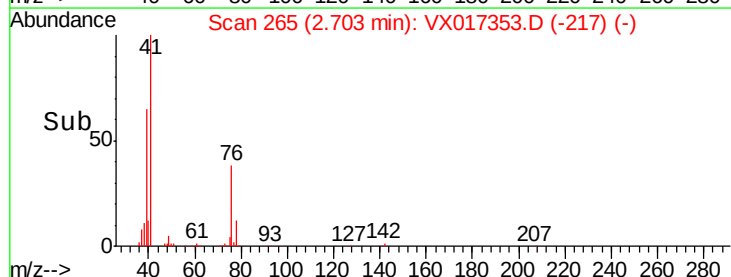
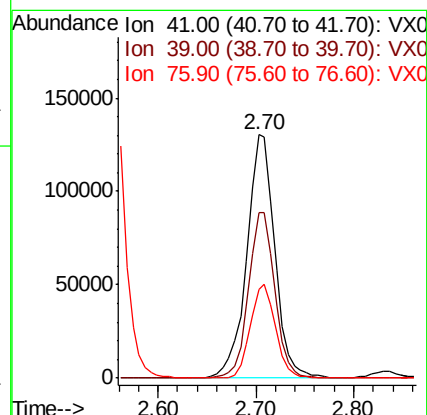
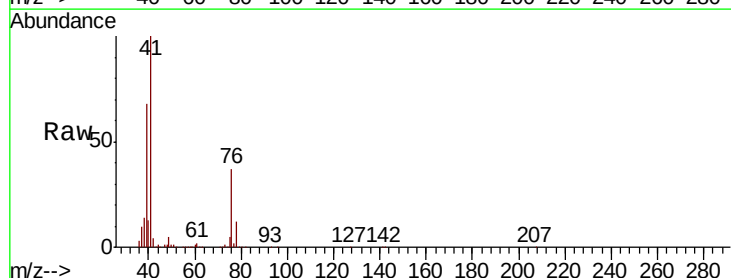
Tgt Ion: 41 Resp: 258572

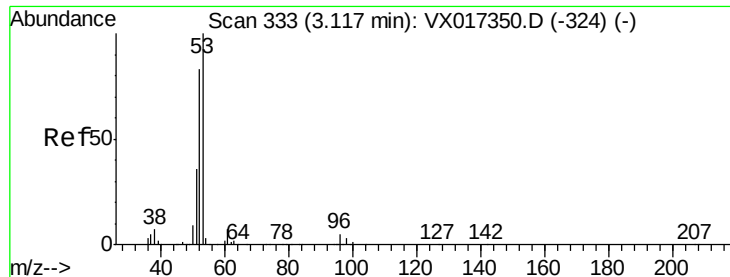
Ion Ratio Lower Upper

41 100

39 64.0 53.0 79.4

76 34.8 28.2 42.2





#15

Acrylonitrile

Concen: 235.603 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX017353.D

Acq: 13 Jul 2020 14:57

Instrument :

MSVOA_X

ClientSampled :

BFB

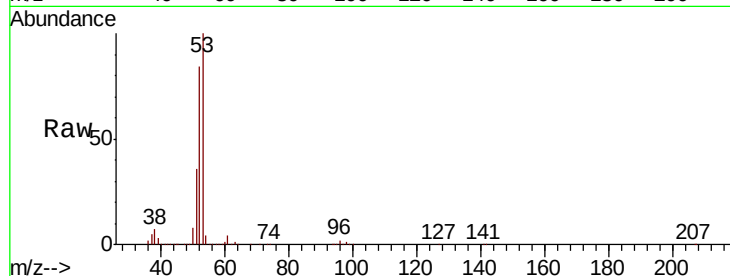
Tot Ion: 53 Resp: 426650

Ion Ratio Lower Upper

53 100

52 83.1 65.8 98.6

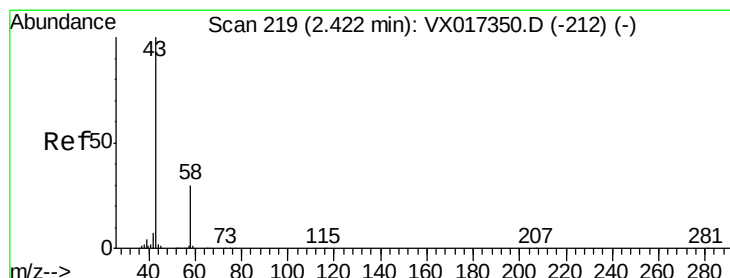
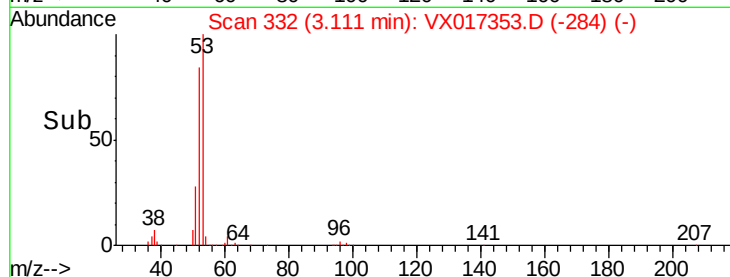
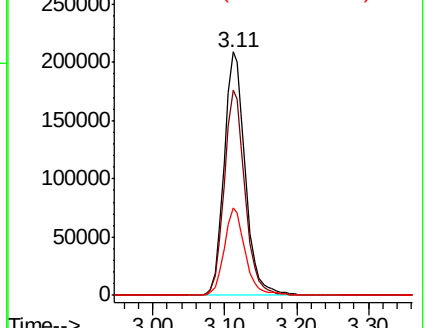
51 35.9 29.2 43.8



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 213.254 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017353.D

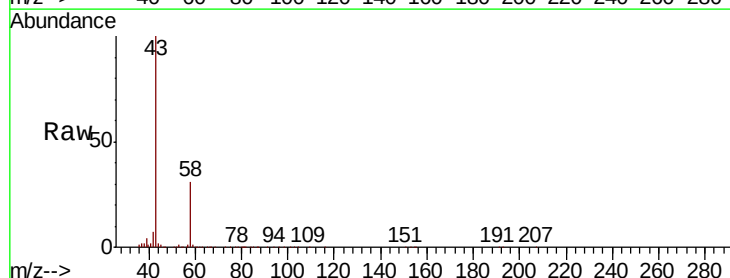
Acq: 13 Jul 2020 14:57

Tgt Ion: 43 Resp: 337323

Ion Ratio Lower Upper

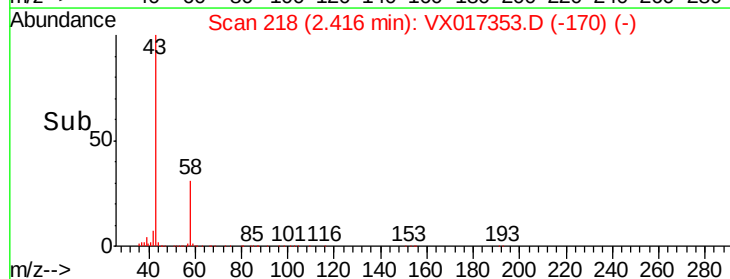
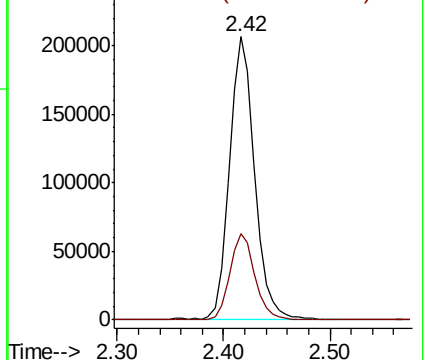
43 100

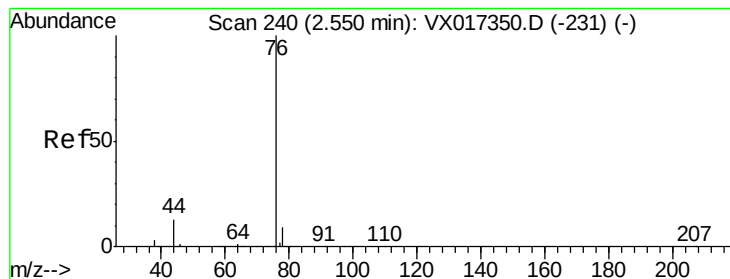
58 30.5 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 45.339 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX017353.D

Acq: 13 Jul 2020 14:57

Instrument :

MSVOA_X

ClientSampleId :

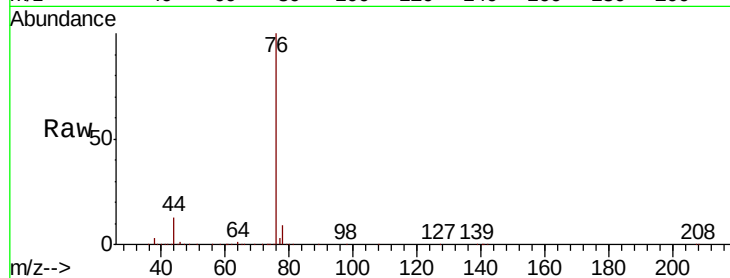
BFB

Tot Ion: 76 Resp: 425204

Ion Ratio Lower Upper

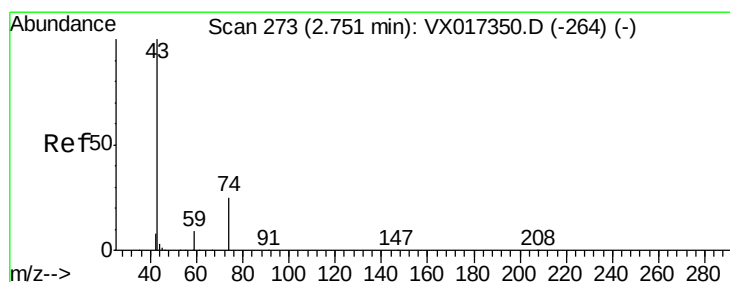
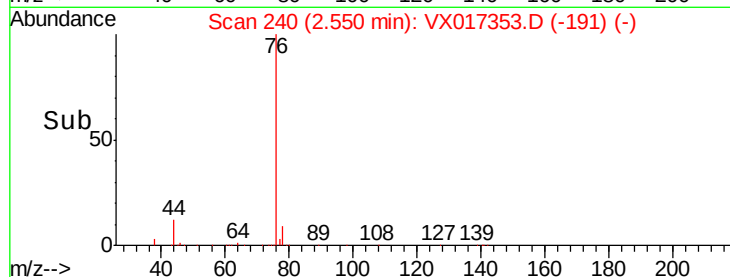
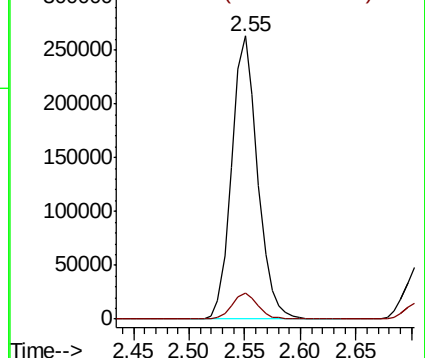
76 100

78 9.0 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 45.630 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.01 min

Lab File: VX017353.D

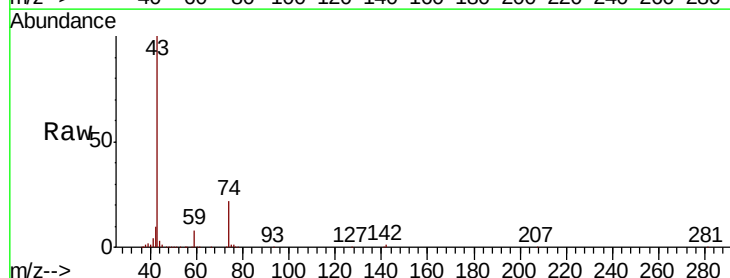
Acq: 13 Jul 2020 14:57

Tgt Ion: 43 Resp: 178269

Ion Ratio Lower Upper

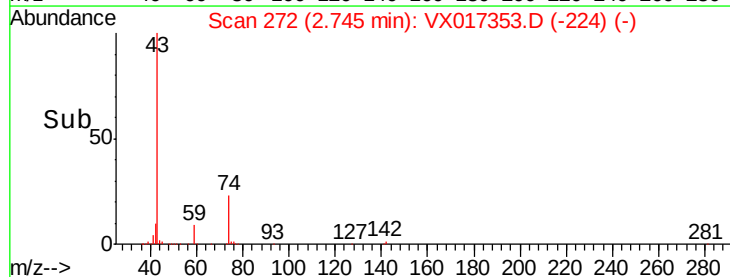
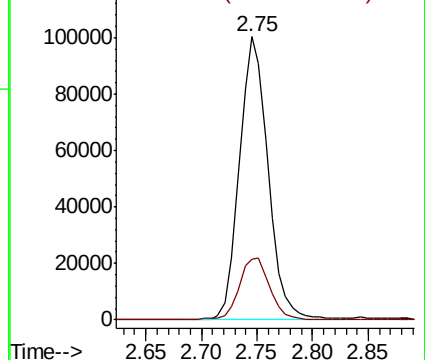
43 100

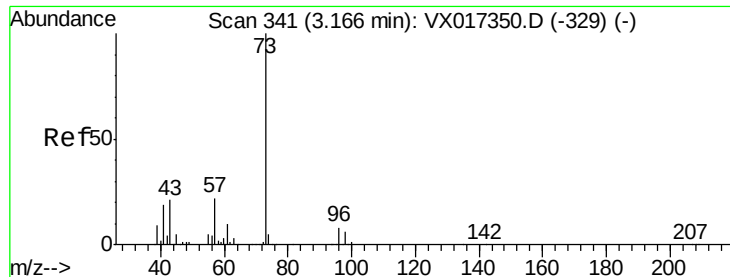
74 23.6 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



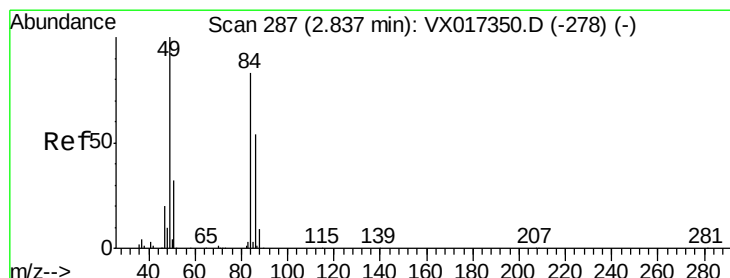
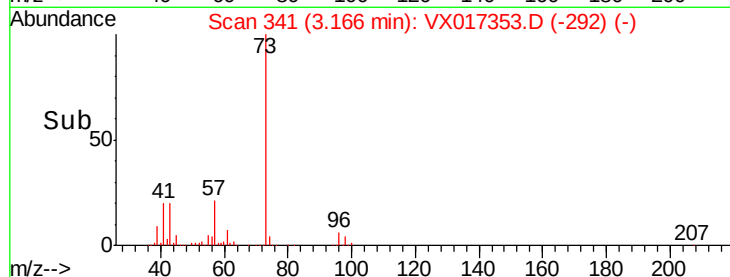
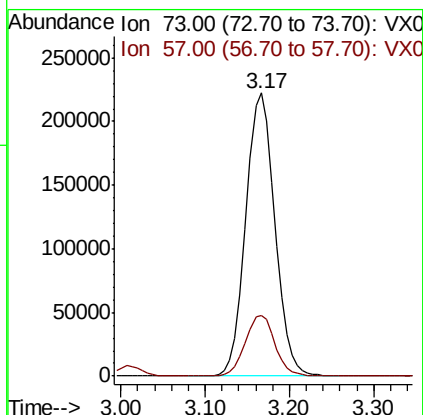
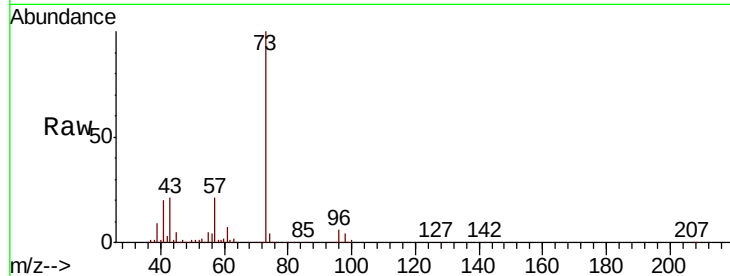


#19

Methyl tert-butyl Ether
 Concen: 47.503 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VX017353.D
 Acq: 13 Jul 2020 14:57

Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

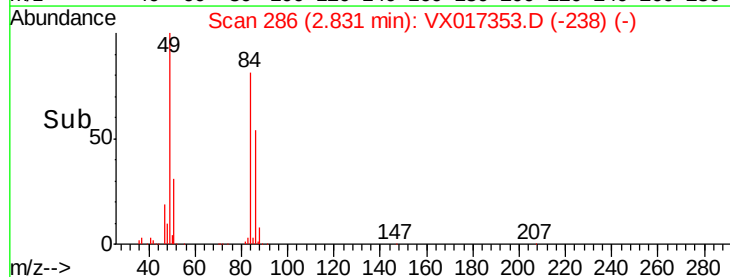
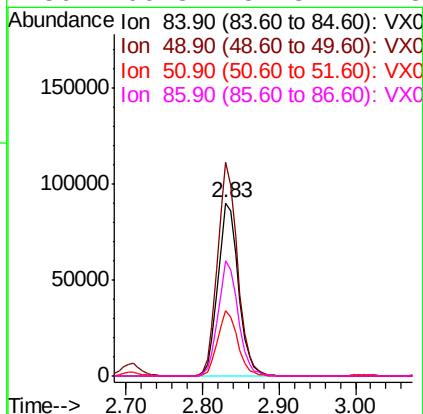
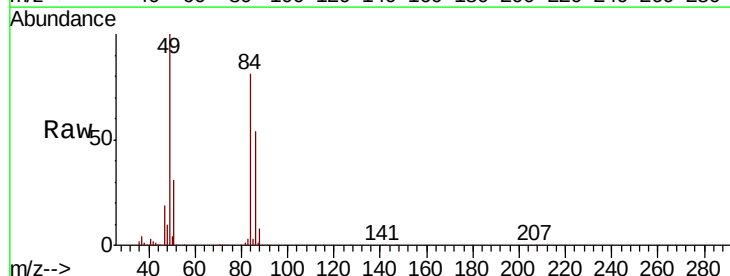
Tot Ion: 73 Resp: 518540
 Ion Ratio Lower Upper
 73 100
 57 21.4 17.5 26.3

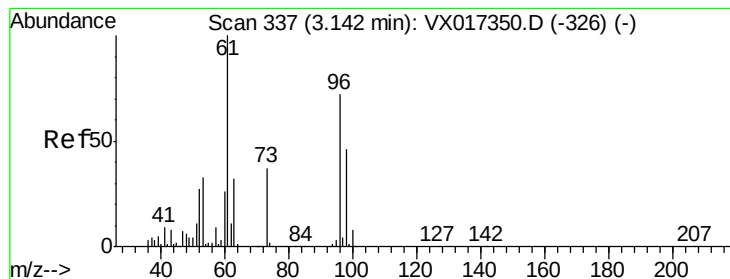


#20

Methylene Chloride
 Concen: 43.342 ug/l
 RT: 2.83 min Scan# 286
 Delta R.T. -0.01 min
 Lab File: VX017353.D
 Acq: 13 Jul 2020 14:57

Tgt Ion: 84 Resp: 167271
 Ion Ratio Lower Upper
 84 100
 49 123.2 95.8 143.8
 51 37.7 31.0 46.4
 86 66.3 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 45.020 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX017353.D

Acq: 13 Jul 2020 14:57

Instrument :

MSVOA_X

ClientSampleId :

BFB

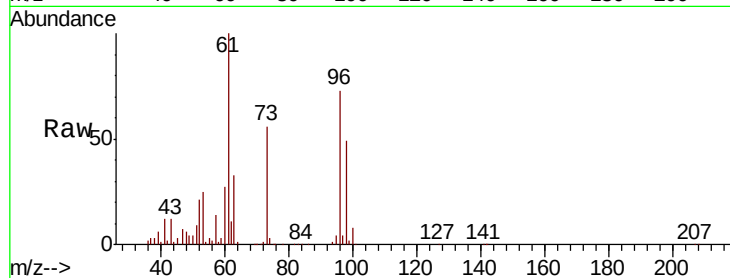
Tot Ion: 96 Resp: 165592

Ion Ratio Lower Upper

96 100

61 136.0 111.1 166.7

98 66.4 51.4 77.0

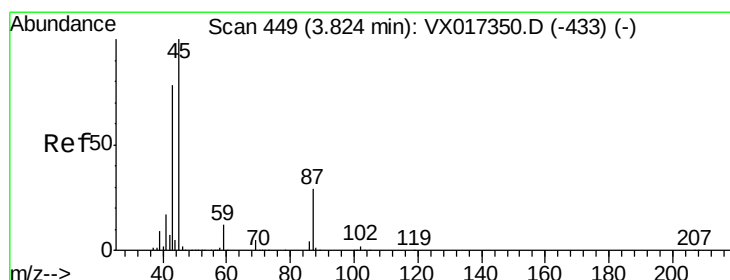
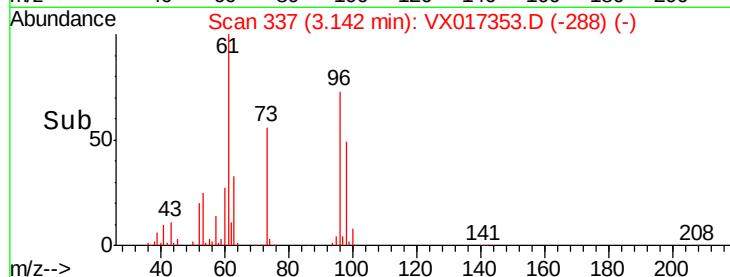
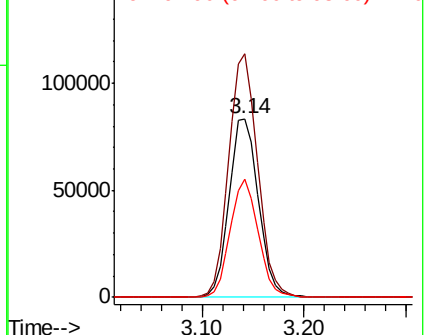


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 48.291 ug/l

RT: 3.82 min Scan# 449

Delta R.T. 0.00 min

Lab File: VX017353.D

Acq: 13 Jul 2020 14:57

Tgt Ion: 45 Resp: 512424

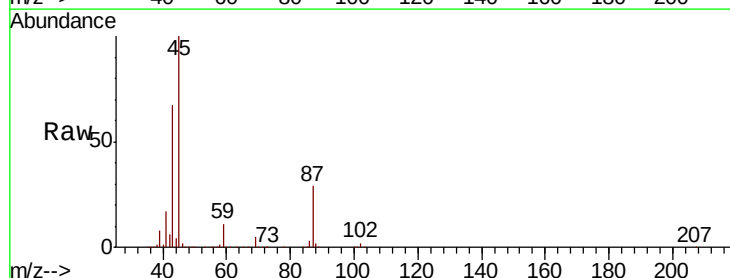
Ion Ratio Lower Upper

45 100

43 67.1 62.2 93.2

87 28.8 23.0 34.6

59 11.2 9.6 14.4



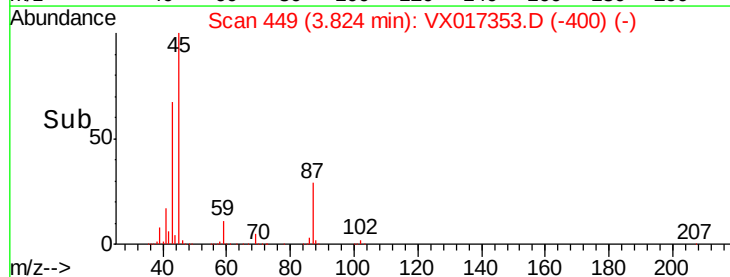
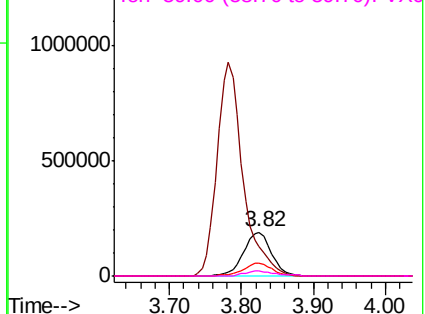
Abundance

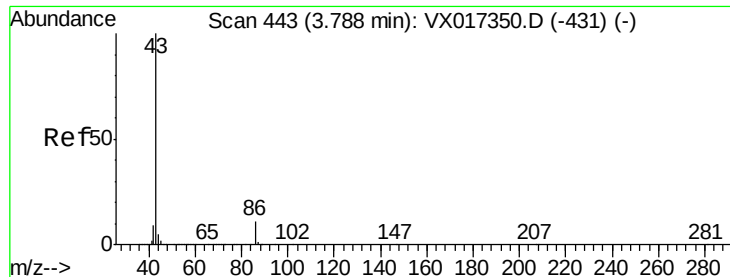
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 249.166 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX017353.D

Acq: 13 Jul 2020 14:57

Instrument :

MSVOA_X

ClientSampled :

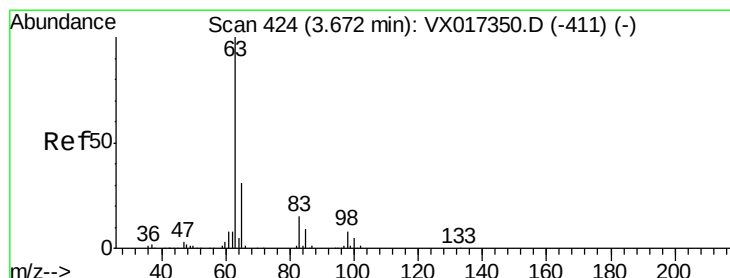
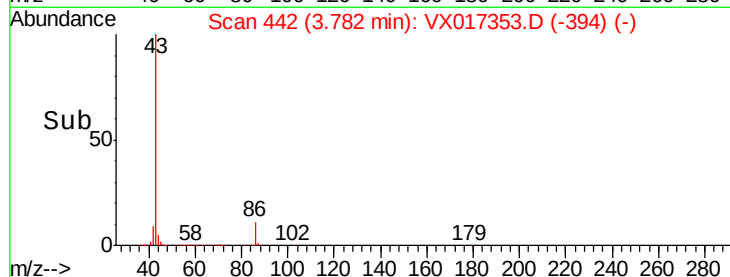
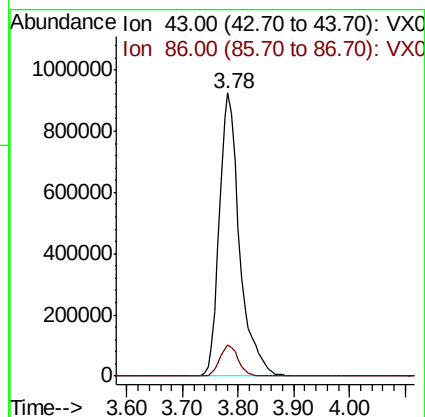
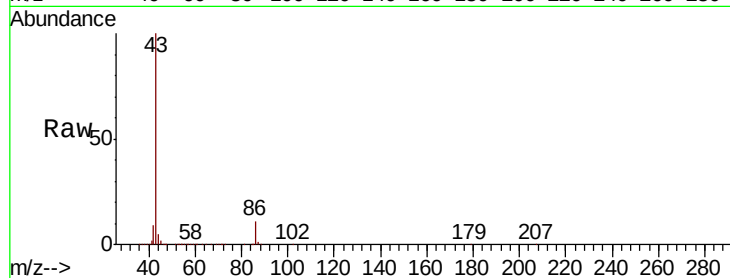
BFB

Tot Ion: 43 Resp: 2325233

Ion Ratio Lower Upper

43 100

86 11.1 9.0 13.4



#24

1,1-Dichloroethane

Concen: 45.907 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX017353.D

Acq: 13 Jul 2020 14:57

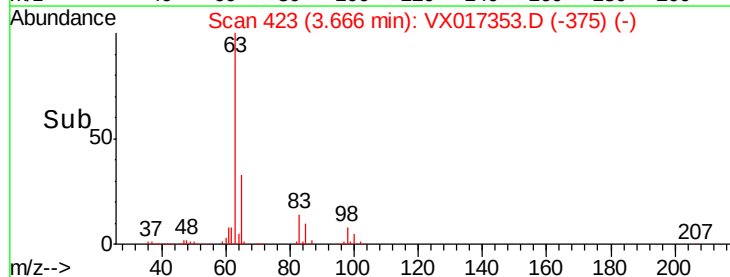
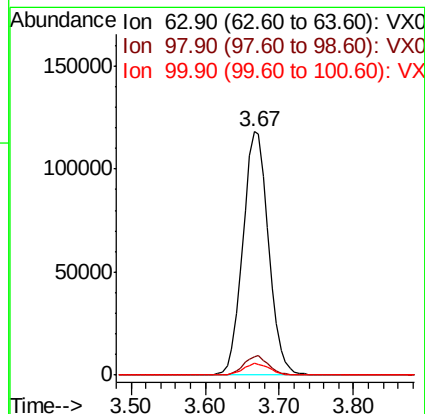
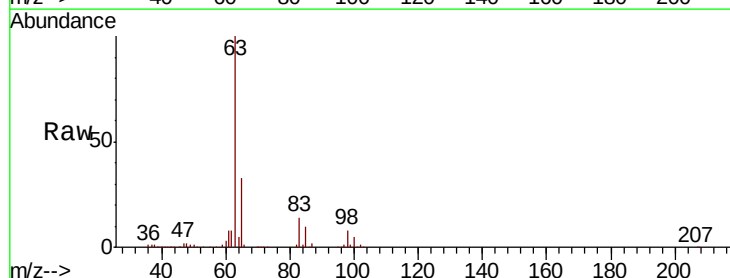
Tgt Ion: 63 Resp: 286277

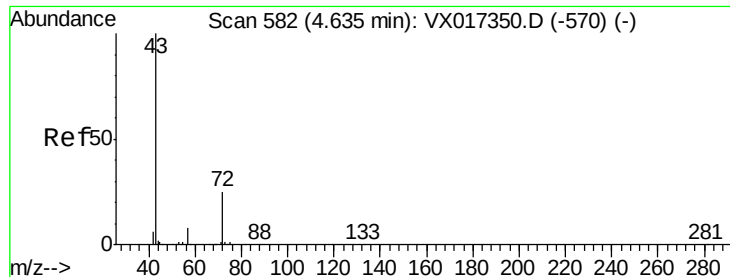
Ion Ratio Lower Upper

63 100

98 7.7 3.9 11.5

100 4.8 2.5 7.5





#25

2-Butanone

Concen: 231.121 ug/l

RT: 4.63 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX017353.D

Acq: 13 Jul 2020 14:57

Instrument :

MSVOA_X

ClientSampleId :

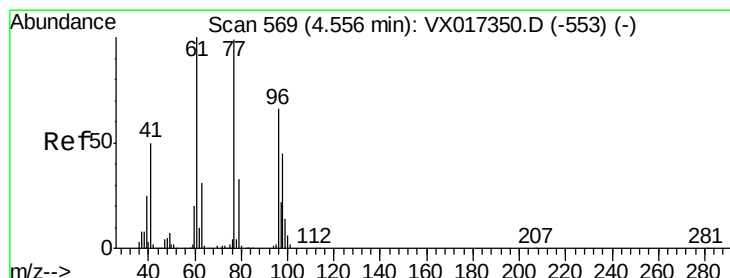
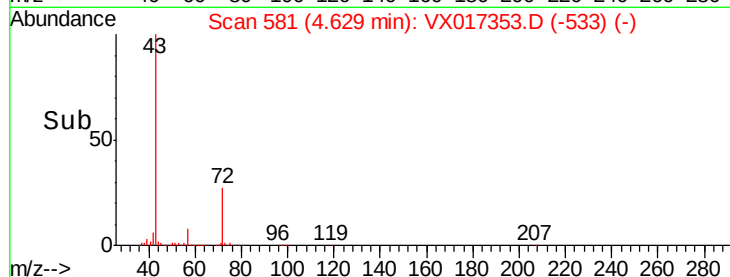
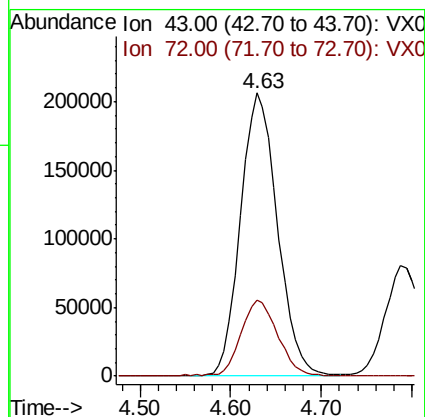
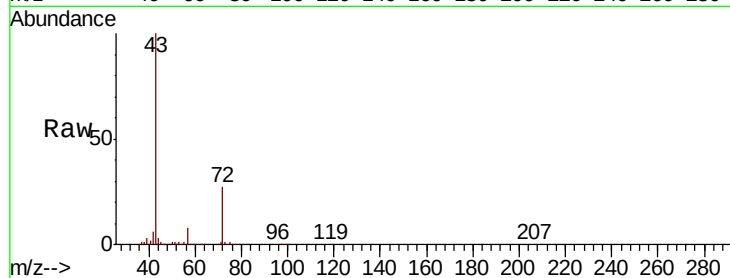
BFB

Tot Ion: 43 Resp: 580656

Ion Ratio Lower Upper

43 100

72 26.6 20.4 30.6



#26

2,2-Dichloropropane

Concen: 45.508 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.01 min

Lab File: VX017353.D

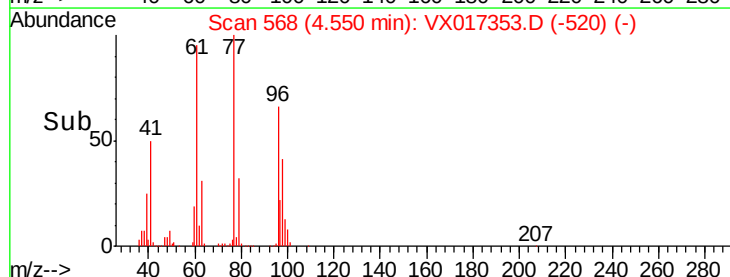
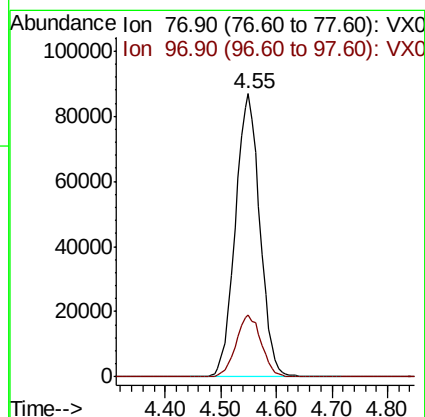
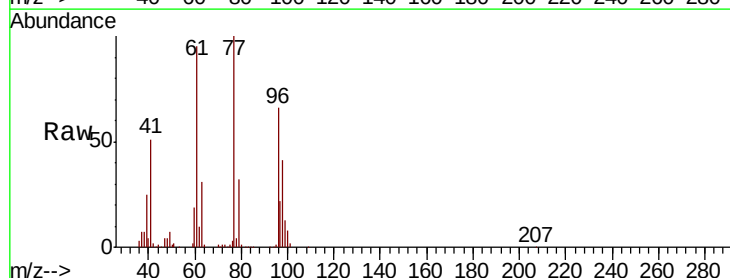
Acq: 13 Jul 2020 14:57

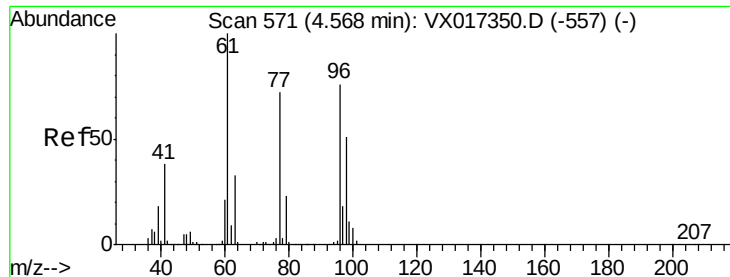
Tgt Ion: 77 Resp: 264115

Ion Ratio Lower Upper

77 100

97 22.4 11.1 33.3



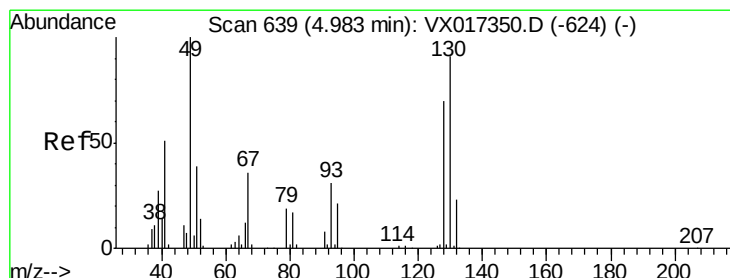
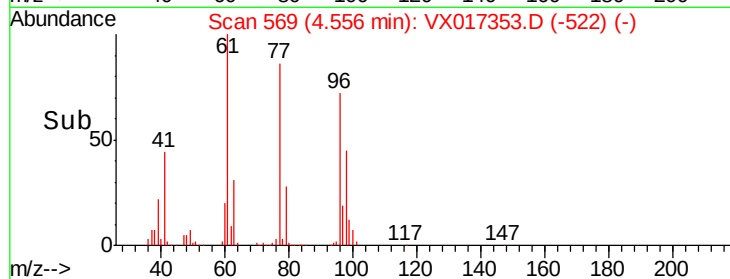
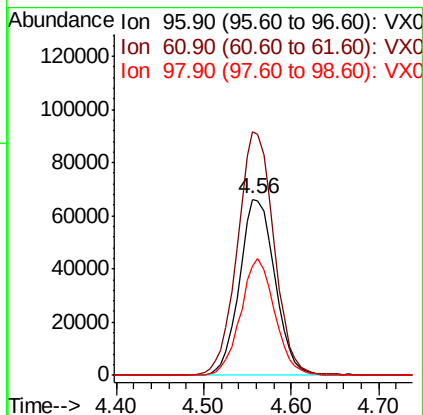
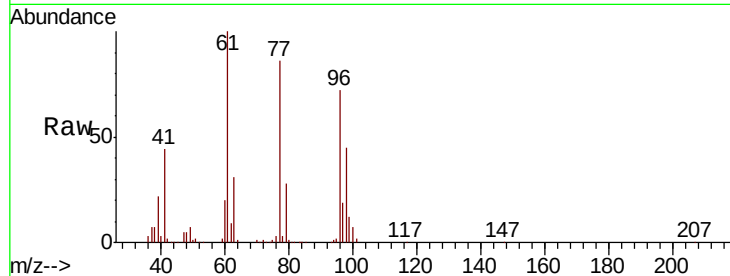


#27

cis-1,2-Dichloroethene
 Concen: 46.367 ug/l
 RT: 4.56 min Scan# 569
 Delta R.T. -0.01 min
 Lab File: VX017353.D
 Acq: 13 Jul 2020 14:57

Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

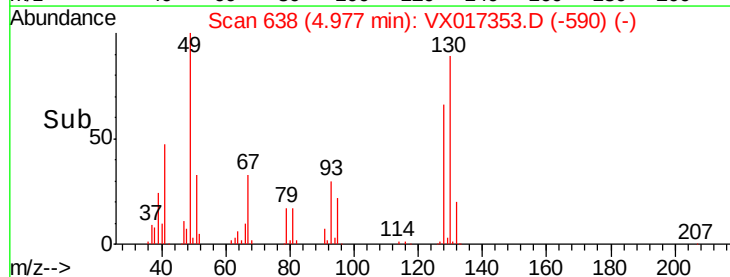
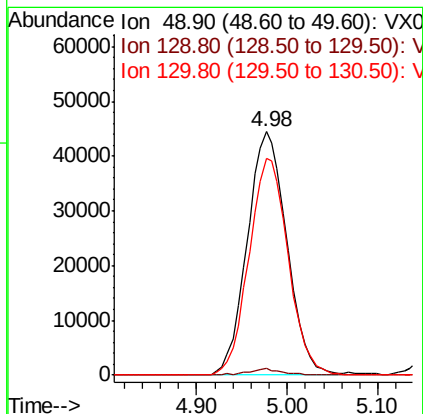
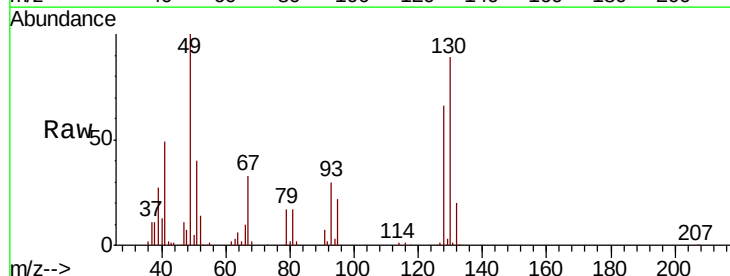
Tot Ion: 96 Resp: 187025
 Ion Ratio Lower Upper
 96 100
 61 142.3 0.0 281.2
 98 63.7 0.0 131.4

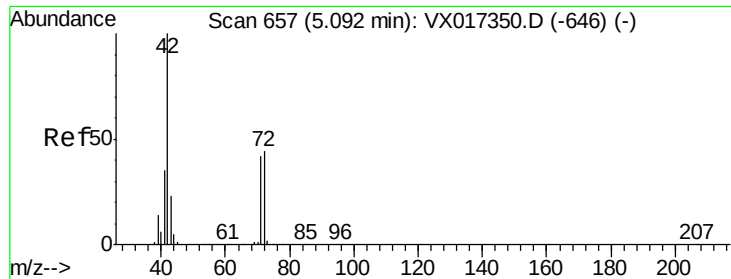


#28

Bromochloromethane
 Concen: 46.508 ug/l
 RT: 4.98 min Scan# 638
 Delta R.T. -0.01 min
 Lab File: VX017353.D
 Acq: 13 Jul 2020 14:57

Tgt Ion: 49 Resp: 133980
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 4.8
 130 88.4 71.1 106.7





#29

Tetrahydrofuran

Concen: 237.498 ug/l

RT: 5.09 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX017353.D

Acq: 13 Jul 2020 14:57

Instrument :

MSVOA_X

ClientSampleId :

BFB

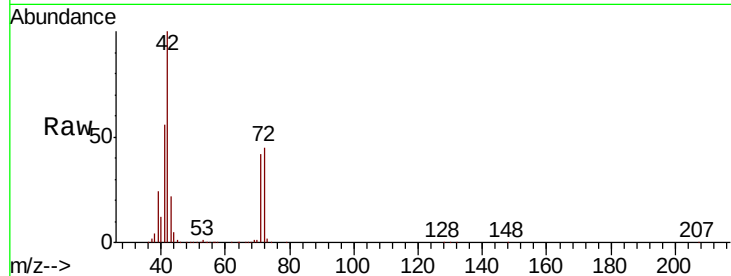
Tot Ion: 42 Resp: 386241

Ion Ratio Lower Upper

42 100

72 45.4 37.2 55.8

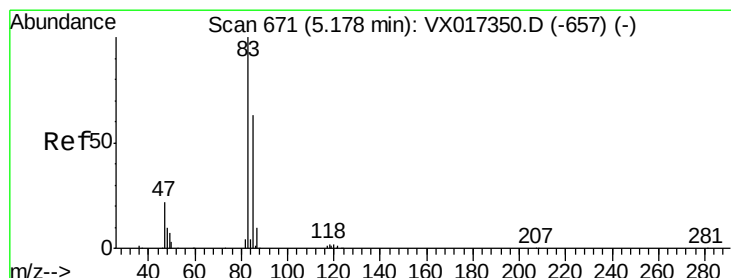
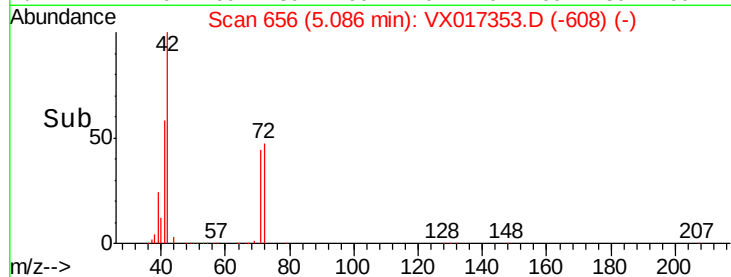
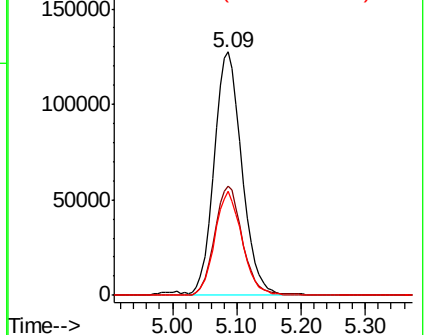
71 42.0 34.4 51.6



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 44.946 ug/l

RT: 5.17 min Scan# 670

Delta R.T. -0.01 min

Lab File: VX017353.D

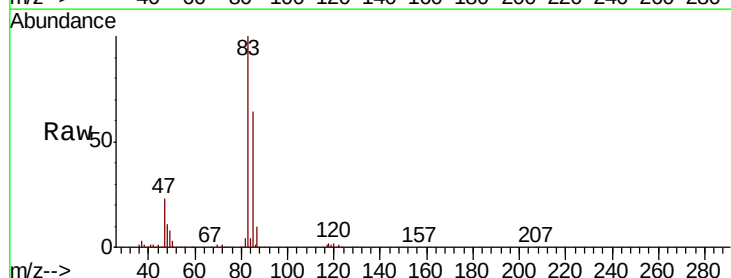
Acq: 13 Jul 2020 14:57

Tgt Ion: 83 Resp: 301559

Ion Ratio Lower Upper

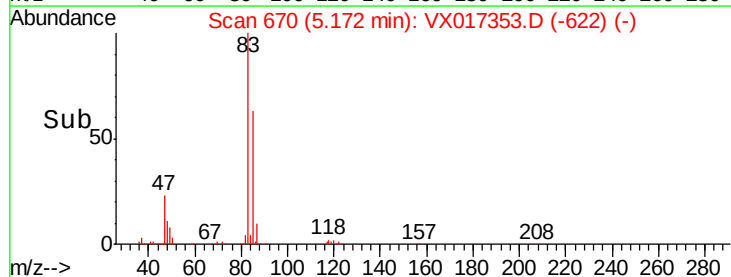
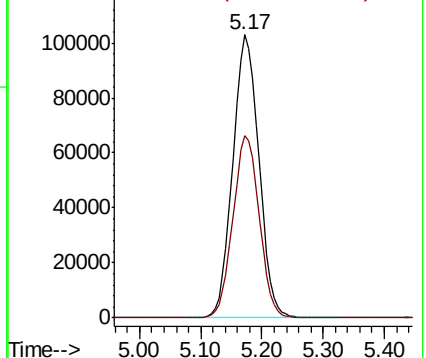
83 100

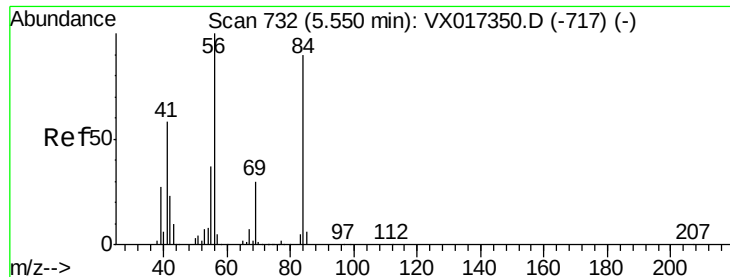
85 64.3 50.2 75.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

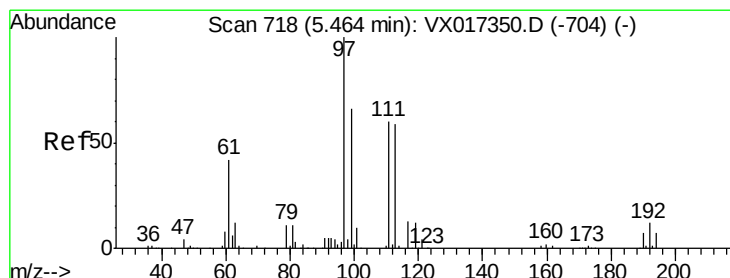
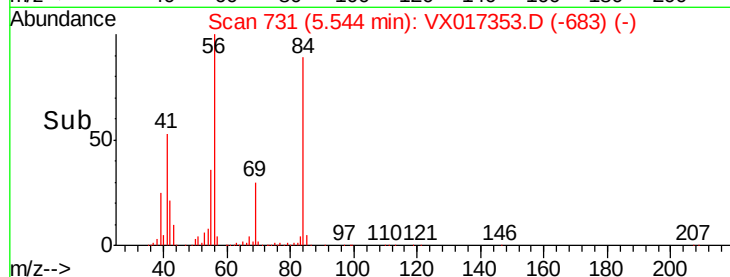
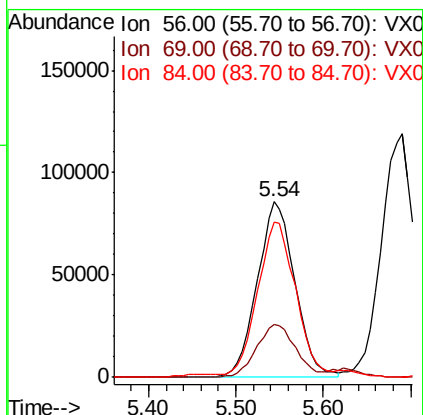
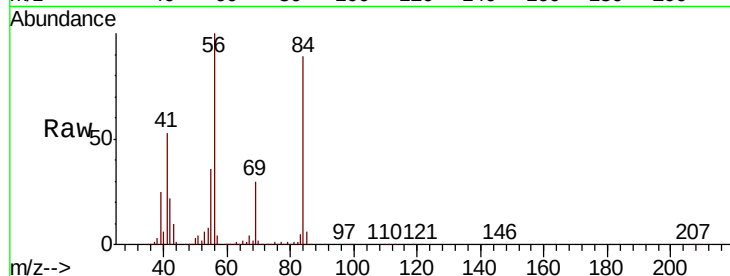




#31
Cyclohexane
Concen: 50.088 ug/l
RT: 5.54 min Scan# 731
Delta R.T. -0.01 min
Lab File: VX017353.D
Acq: 13 Jul 2020 14:57

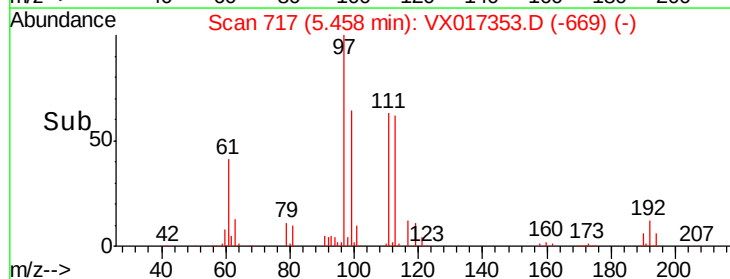
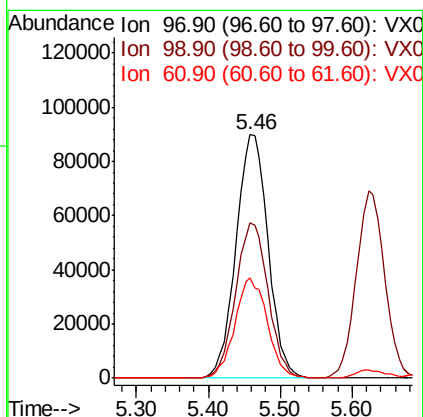
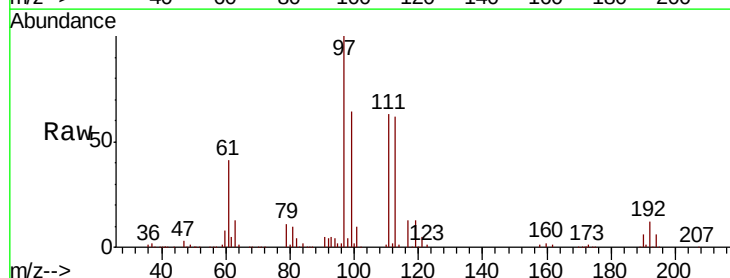
Instrument :
MSVOA_X
ClientSampled :
BFB

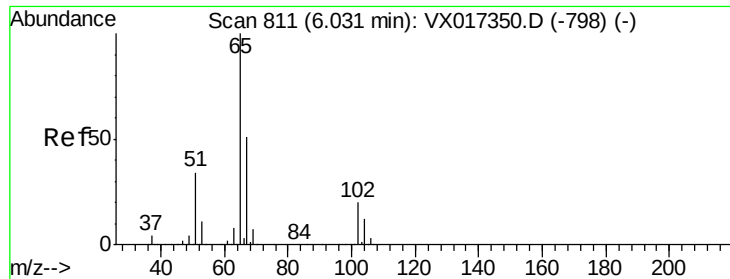
Tot Ion: 56 Resp: 255707
Ion Ratio Lower Upper
56 100
69 30.5 23.7 35.5
84 87.2 71.8 107.6



#32
1,1,1-Trichloroethane
Concen: 44.908 ug/l
RT: 5.46 min Scan# 717
Delta R.T. -0.01 min
Lab File: VX017353.D
Acq: 13 Jul 2020 14:57

Tgt Ion: 97 Resp: 278544
Ion Ratio Lower Upper
97 100
99 64.5 51.2 76.8
61 41.5 32.7 49.1





#33

1,2-Dichloroethane-d4

Concen: 44.106 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX017353.D

Acq: 13 Jul 2020 14:57

Instrument :

MSVOA_X

ClientSampleId :

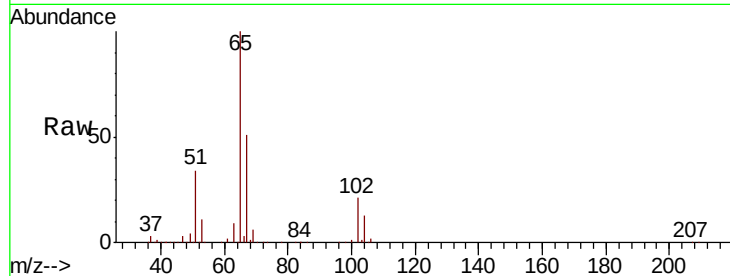
BFB

Tot Ion: 65 Resp: 195559

Ion Ratio Lower Upper

65 100

67 51.7 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

80000

60000

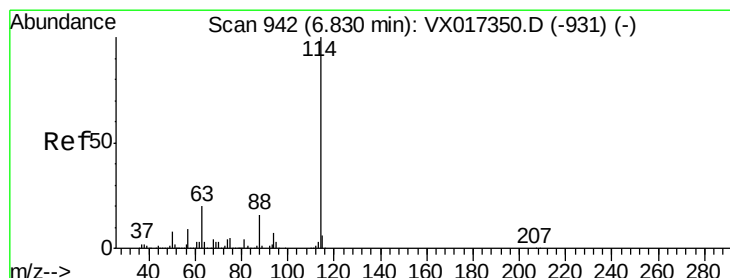
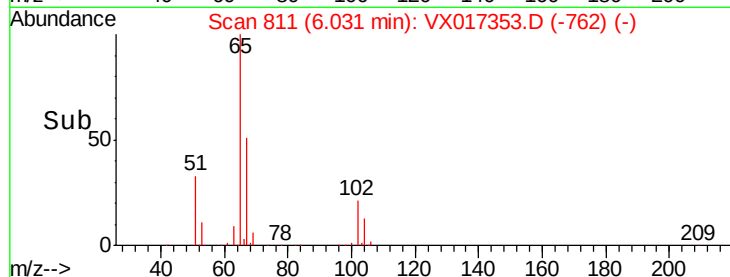
40000

20000

0

Time-->

5.90 6.00 6.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX017353.D

Acq: 13 Jul 2020 14:57

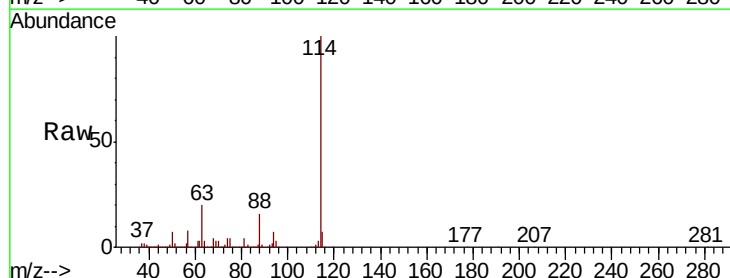
Tgt Ion: 114 Resp: 522399

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.0

88 15.5 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

300000

250000

200000

150000

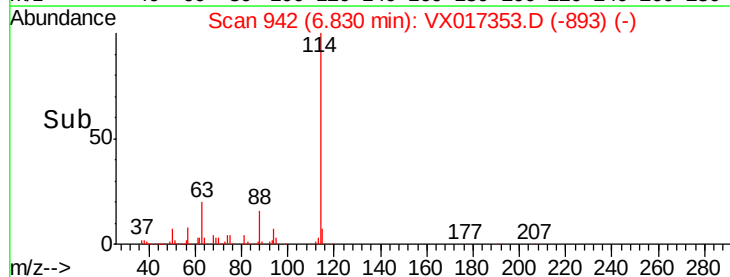
100000

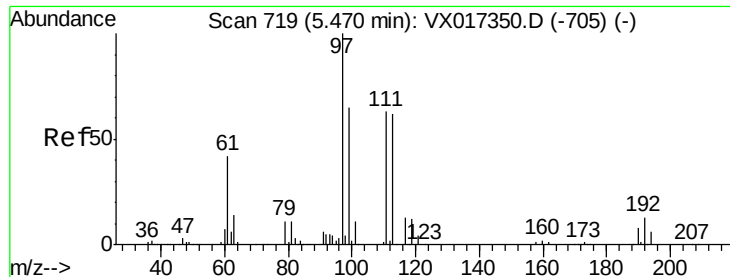
50000

0

Time-->

6.70 6.80 6.90 7.00

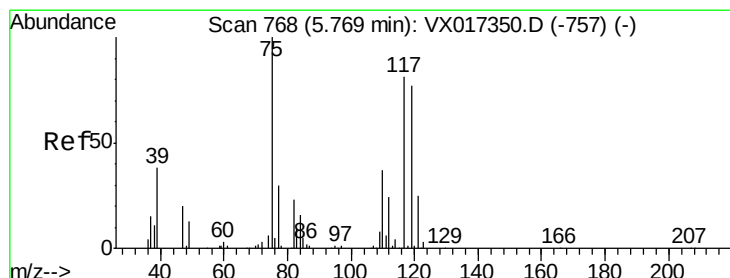
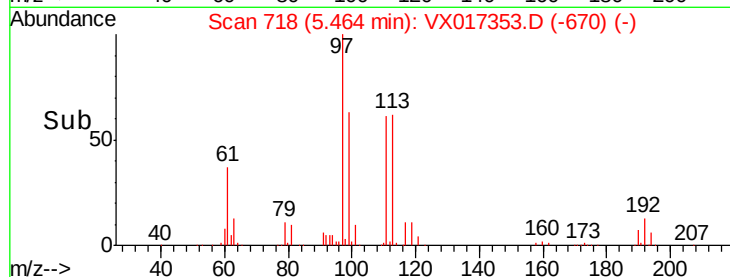
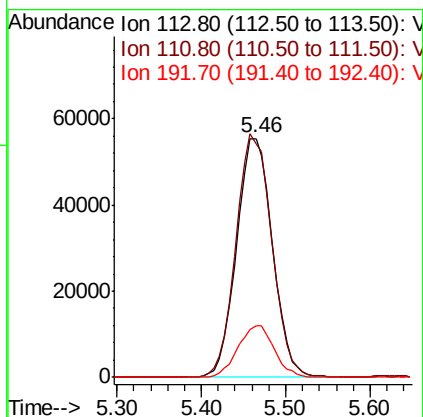
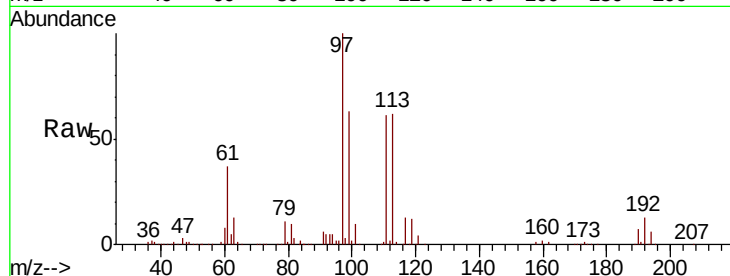




#35
 Dibromofluoromethane
 Concen: 45.406 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX017353.D
 Acq: 13 Jul 2020 14:57

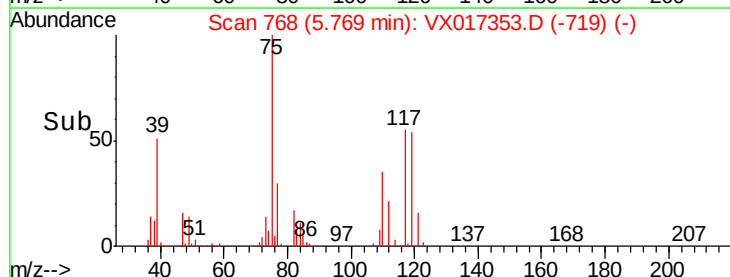
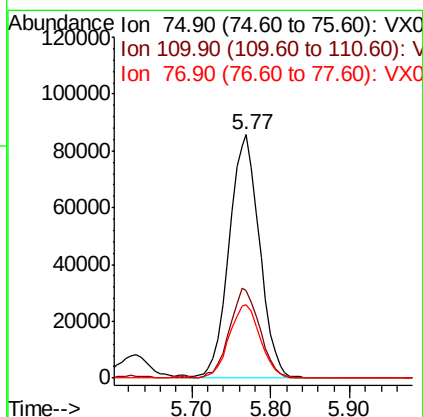
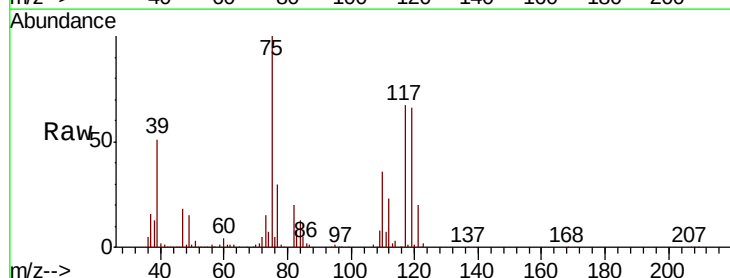
Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

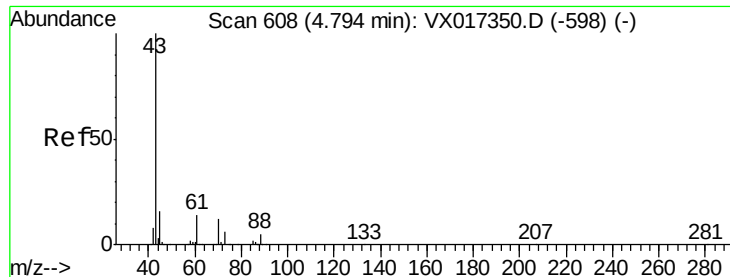
Tot Ion:113 Resp: 159784
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.4 123.6
 192 21.9 17.2 25.8



#36
 1,1-Dichloropropene
 Concen: 47.755 ug/l
 RT: 5.77 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: VX017353.D
 Acq: 13 Jul 2020 14:57

Tgt Ion: 75 Resp: 229467
 Ion Ratio Lower Upper
 75 100
 110 36.7 18.6 55.8
 77 31.1 24.9 37.3

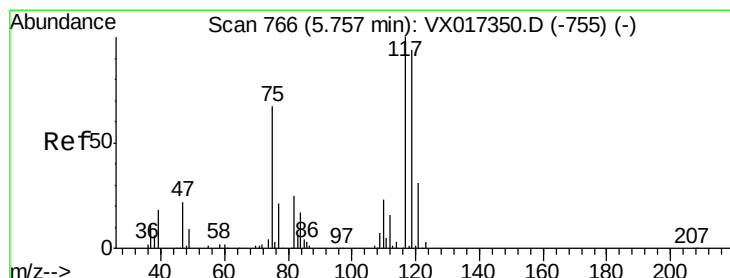
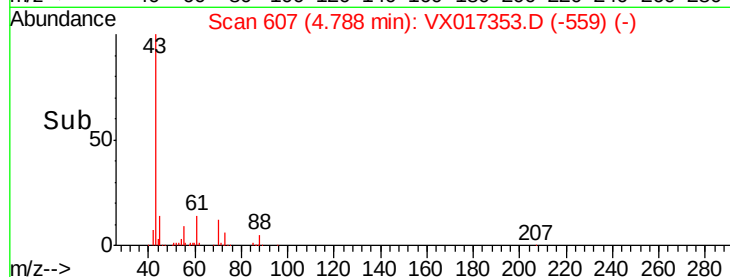
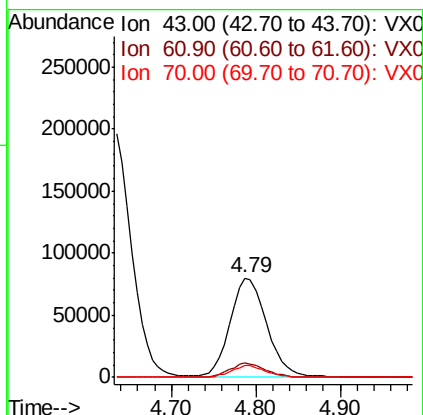
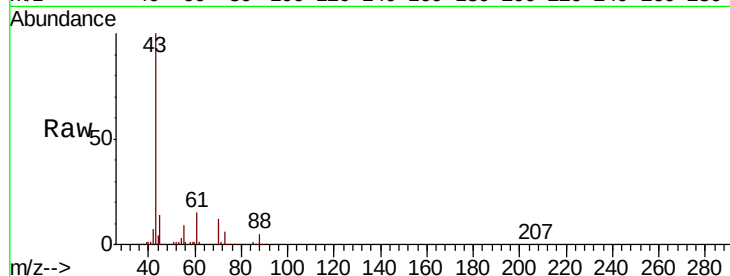




#37
Ethyl Acetate
Concen: 46.975 ug/l
RT: 4.79 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX017353.D
Acq: 13 Jul 2020 14:57

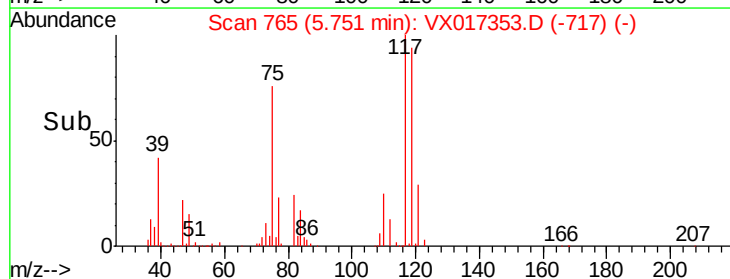
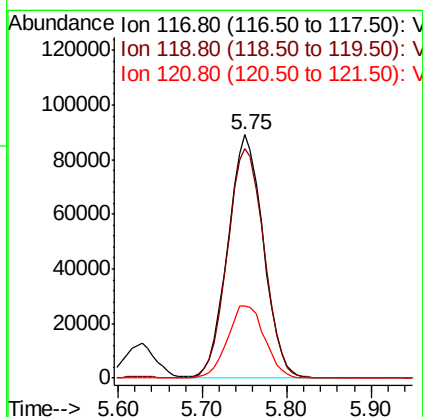
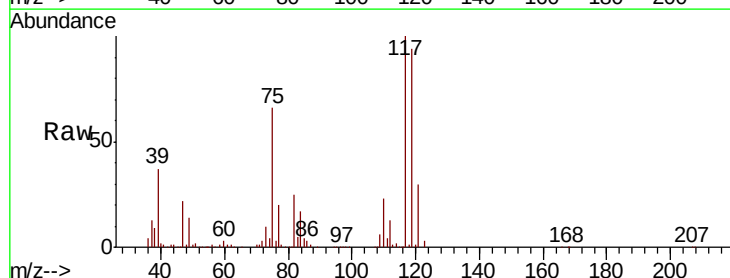
Instrument :
MSVOA_X
ClientSampled :
BFB

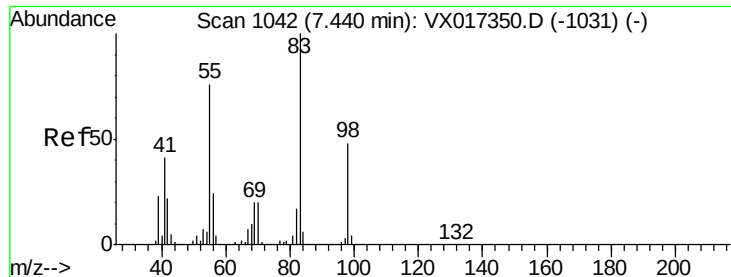
Tot Ion: 43 Resp: 233434
Ion Ratio Lower Upper
43 100
61 14.5 10.7 16.1
70 11.3 9.0 13.6



#38
Carbon Tetrachloride
Concen: 45.359 ug/l
RT: 5.75 min Scan# 765
Delta R.T. -0.01 min
Lab File: VX017353.D
Acq: 13 Jul 2020 14:57

Tgt Ion: 117 Resp: 255186
Ion Ratio Lower Upper
117 100
119 94.4 74.7 112.1
121 29.7 24.5 36.7

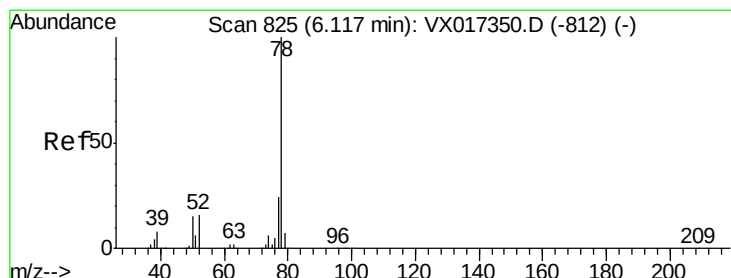
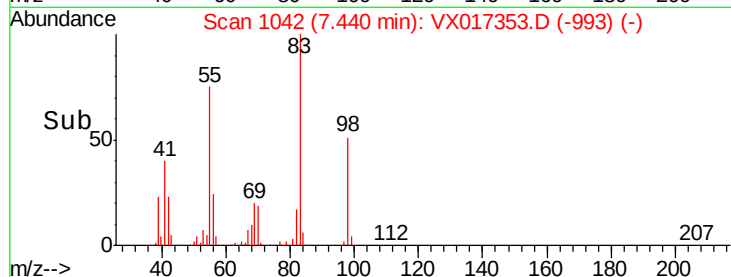
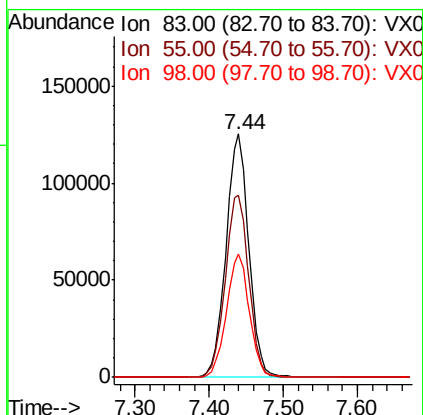
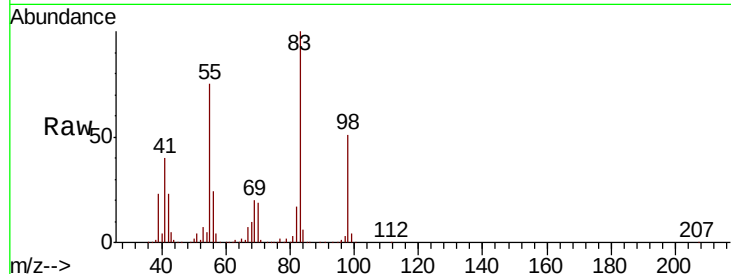




#39
Methylvlcyclohexane
Concen: 51.337 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX017353.D
Acq: 13 Jul 2020 14:57

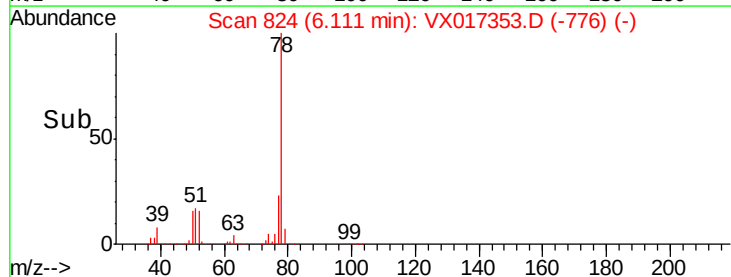
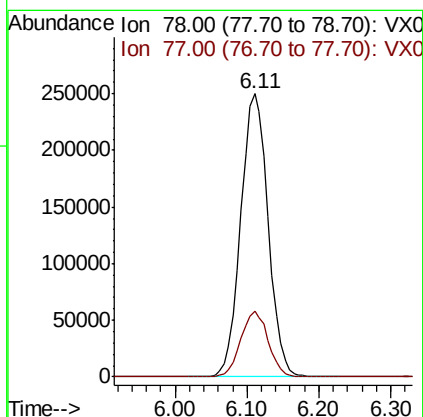
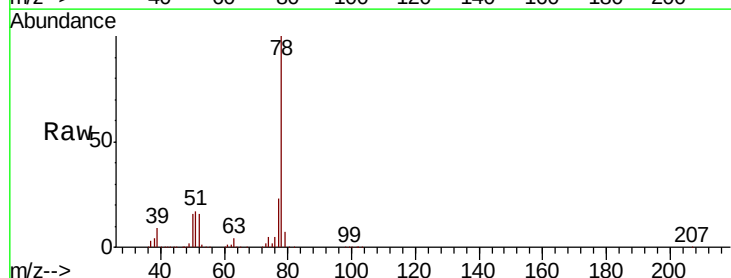
Instrument :
MSVOA_X
ClientSampleId :
BFB

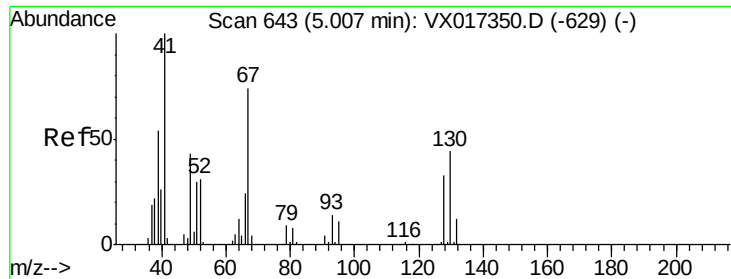
Tot Ion: 83 Resp: 267879
Ion Ratio Lower Upper
83 100
55 74.6 61.2 91.8
98 50.6 38.1 57.1



#40
Benzene
Concen: 47.714 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.01 min
Lab File: VX017353.D
Acq: 13 Jul 2020 14:57

Tgt Ion: 78 Resp: 658905
Ion Ratio Lower Upper
78 100
77 23.2 18.9 28.3





#41

Methacrylonitrile

Concen: 49.536 ug/l

RT: 5.00 min Scan# 642

Delta R.T. -0.01 min

Lab File: VX017353.D

Acq: 13 Jul 2020 14:57

Instrument :

MSVOA_X

ClientSampled :

BFB

Tot Ion: 41 Resp: 132148

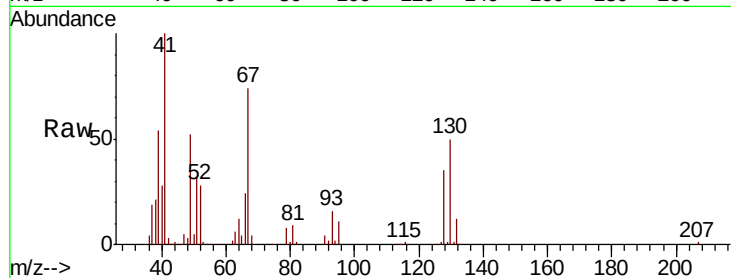
Ion Ratio Lower Upper

41 100

39 53.7 43.8 65.8

67 72.9 58.7 88.1

52 28.2 24.9 37.3

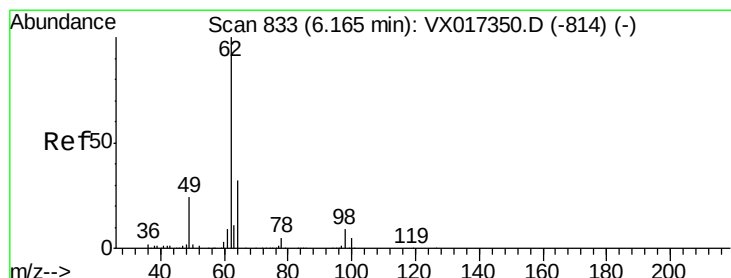
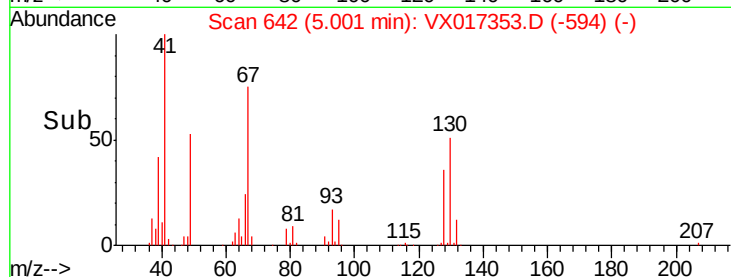
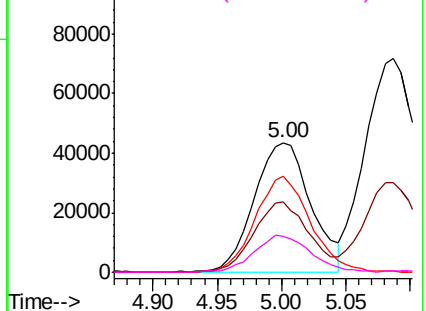


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 45.901 ug/l

RT: 6.16 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX017353.D

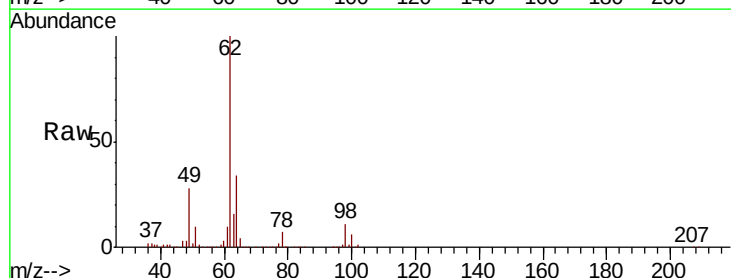
Acq: 13 Jul 2020 14:57

Tgt Ion: 62 Resp: 246274

Ion Ratio Lower Upper

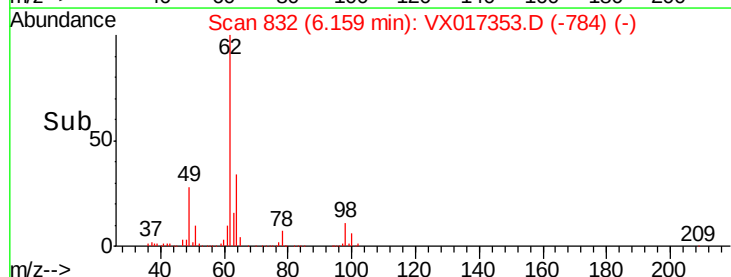
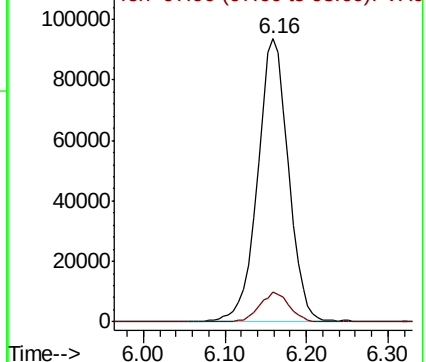
62 100

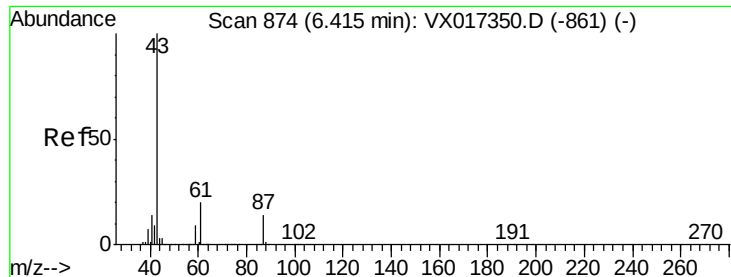
98 10.1 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



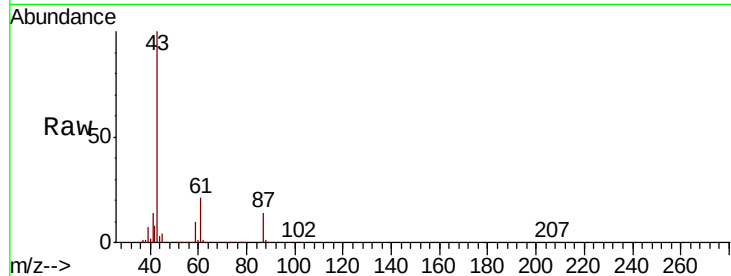


#43

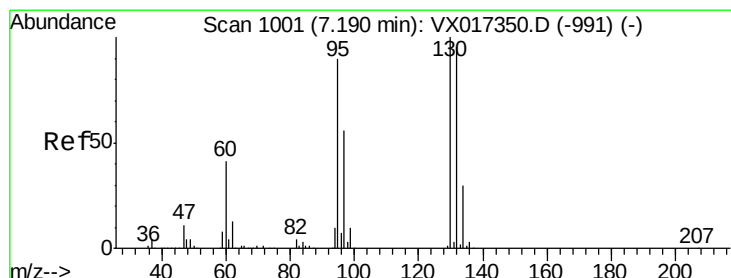
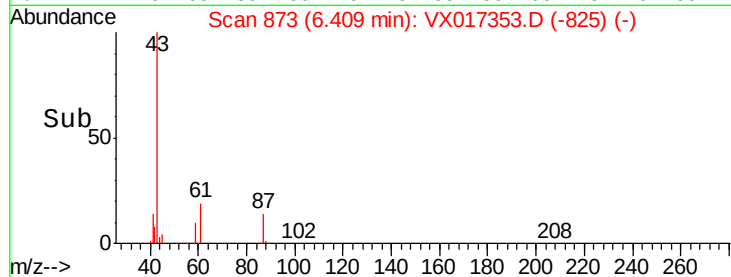
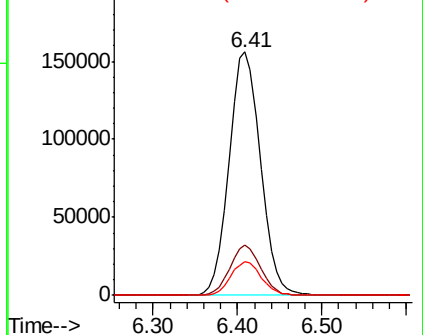
Isopropyl Acetate
 Concen: 49.453 ug/l
 RT: 6.41 min Scan# 873
 Delta R.T. -0.01 min
 Lab File: VX017353.D
 Acq: 13 Jul 2020 14:57

Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

Tot Ion: 43 Resp: 392678
 Ion Ratio Lower Upper
 43 100
 61 20.4 16.4 24.6
 87 13.6 11.2 16.8



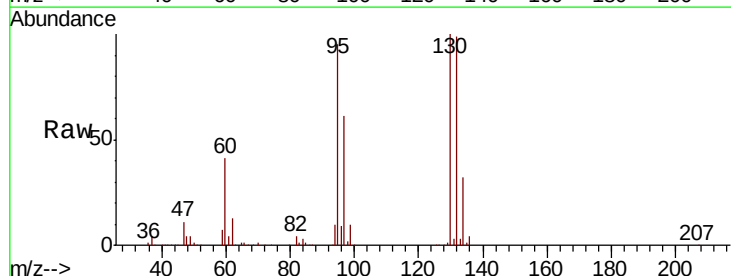
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



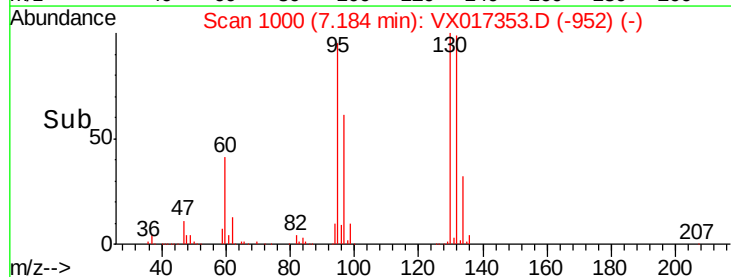
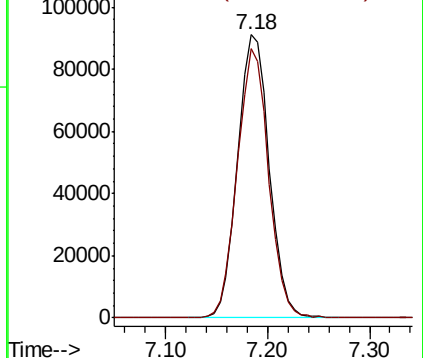
#44

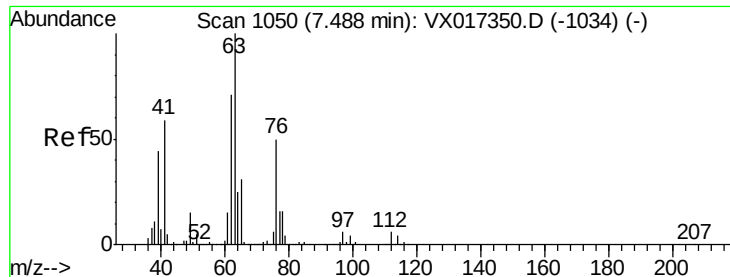
Trichloroethene
 Concen: 46.583 ug/l
 RT: 7.18 min Scan# 1000
 Delta R.T. -0.01 min
 Lab File: VX017353.D
 Acq: 13 Jul 2020 14:57

Tgt Ion: 130 Resp: 196493
 Ion Ratio Lower Upper
 130 100
 95 95.1 0.0 180.2



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 49.235 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VX017353.D

Acq: 13 Jul 2020 14:57

Instrument :

MSVOA_X

ClientSampleId :

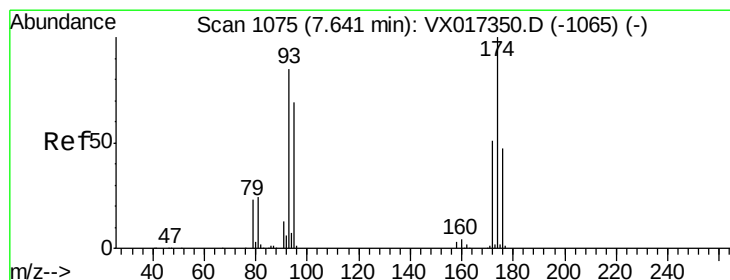
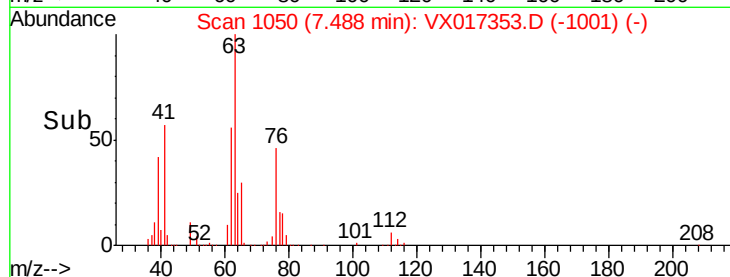
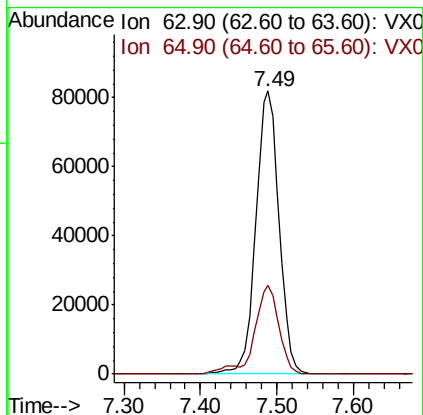
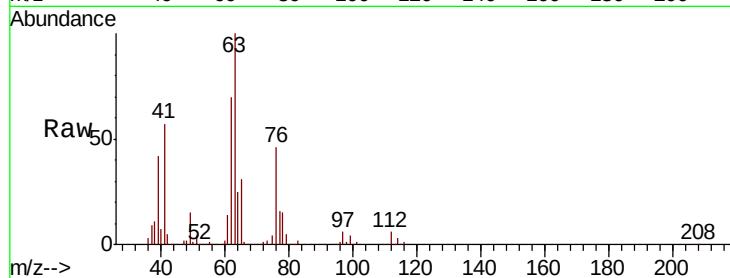
BFB

Tot Ion: 63 Resp: 173969

Ion Ratio Lower Upper

63 100

65 31.4 24.5 36.7



#46

Dibromomethane

Concen: 47.796 ug/l

RT: 7.63 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VX017353.D

Acq: 13 Jul 2020 14:57

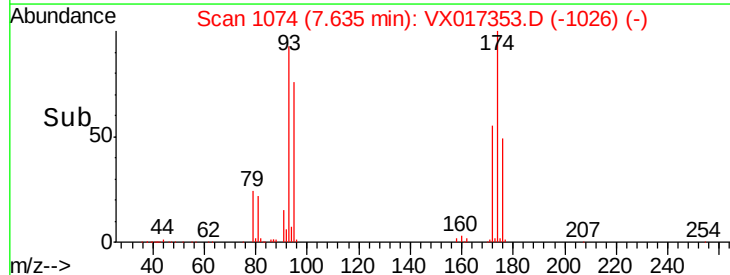
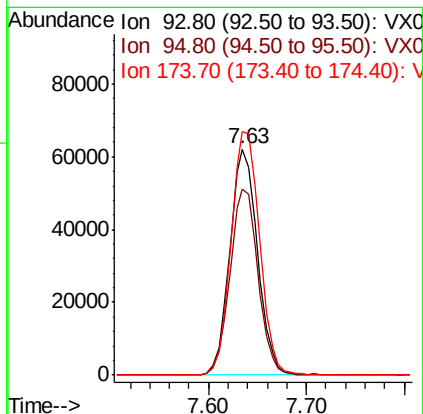
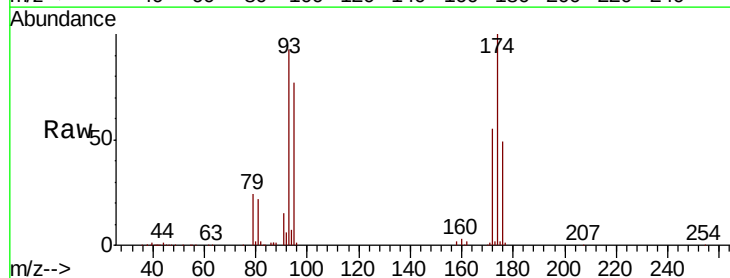
Tgt Ion: 93 Resp: 121803

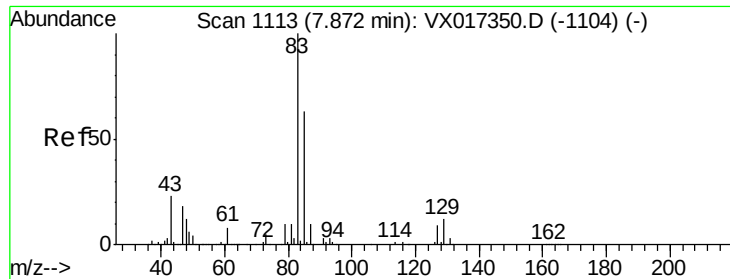
Ion Ratio Lower Upper

93 100

95 83.4 65.4 98.2

174 111.2 91.2 136.8





#47

Bromodichloromethane

Concen: 47.084 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VX017353.D

Acq: 13 Jul 2020 14:57

Instrument :

MSVOA_X

ClientSampleId :

BFB

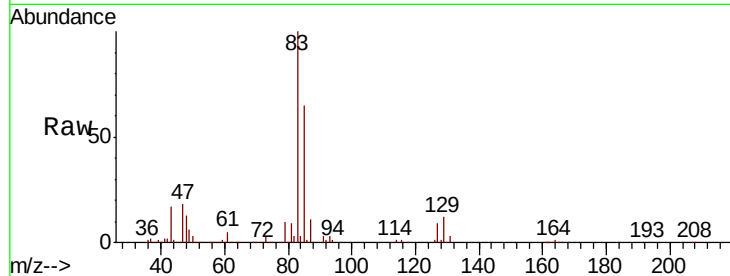
Tot Ion: 83 Resp: 250854

Ion Ratio Lower Upper

83 100

85 65.2 50.2 75.4

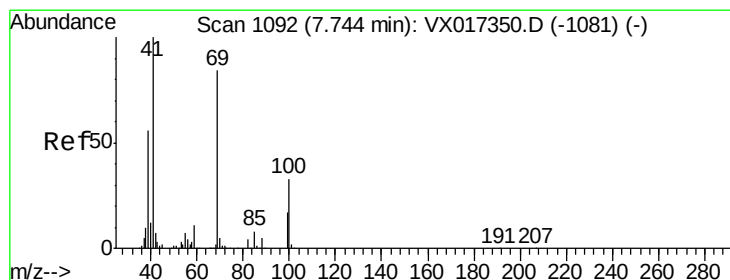
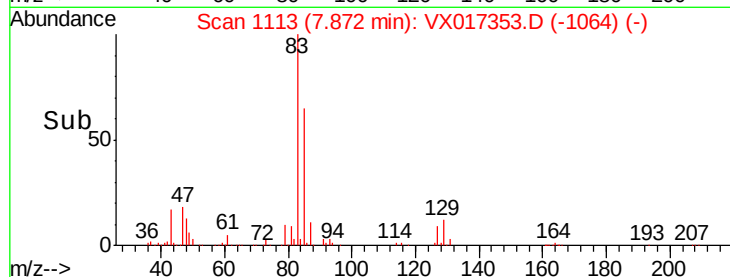
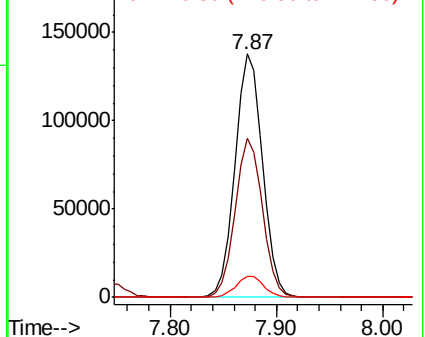
127 8.8 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 50.390 ug/l

RT: 7.74 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VX017353.D

Acq: 13 Jul 2020 14:57

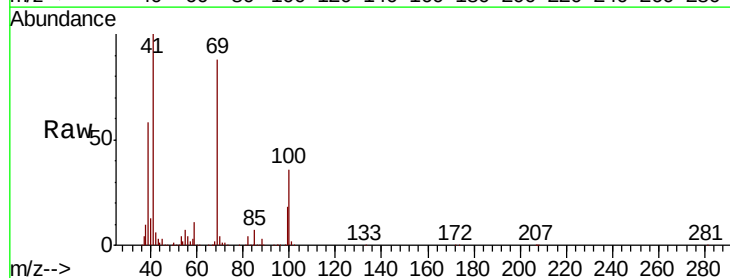
Tgt Ion: 41 Resp: 192006

Ion Ratio Lower Upper

41 100

69 84.4 67.8 101.6

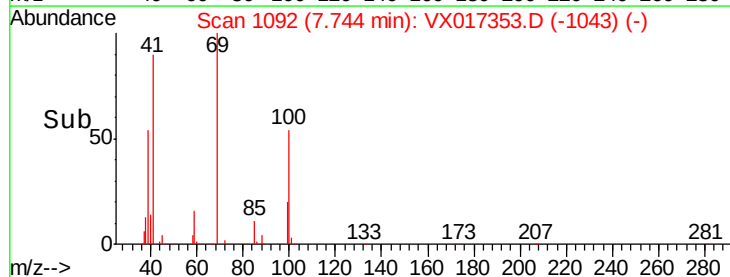
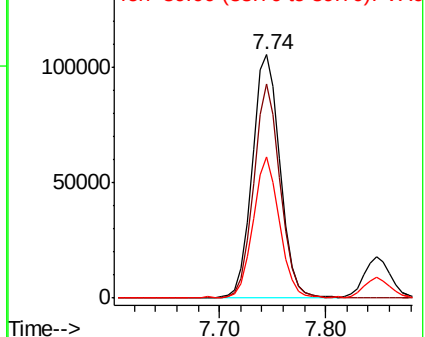
39 54.7 45.1 67.7

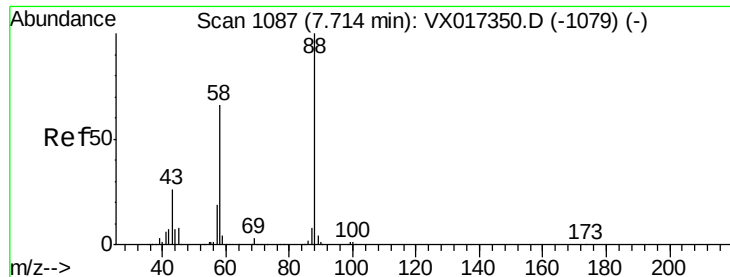


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

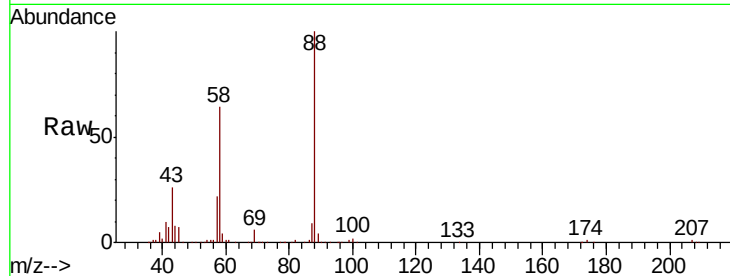




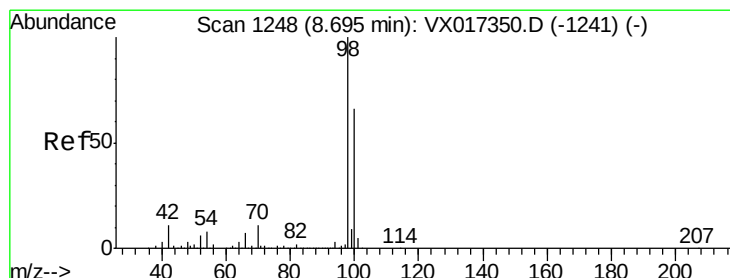
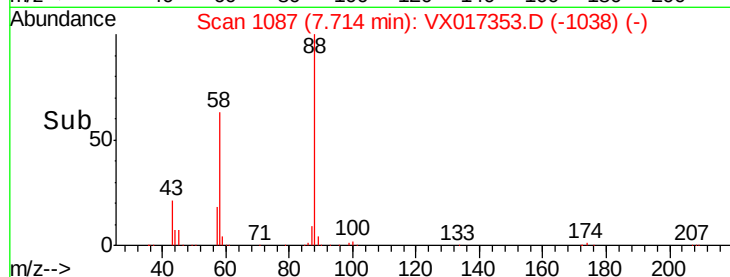
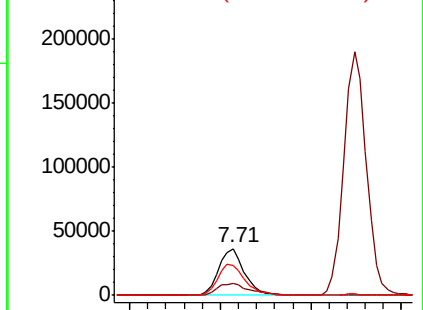
#49
 1,4-Dioxane
 Concen: 929.125 ug/l
 RT: 7.71 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX017353.D
 Acq: 13 Jul 2020 14:57

Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

Tot Ion: 88 Resp: 72451
 Ion Ratio Lower Upper
 88 100
 43 33.2 25.6 38.4
 58 70.9 53.9 80.9

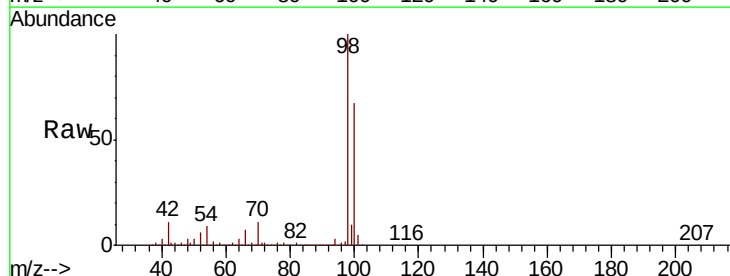


Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

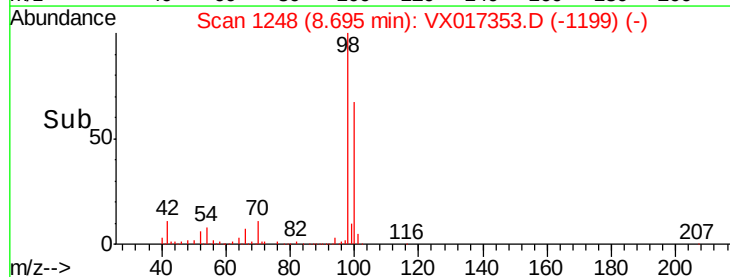
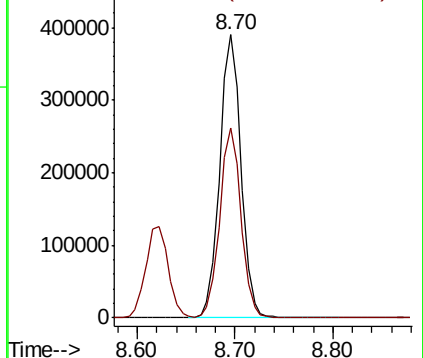


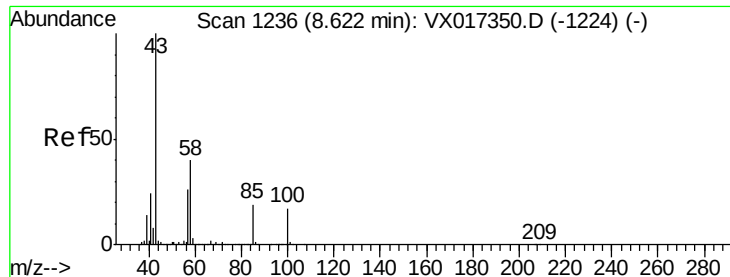
#50
 Toluene-d8
 Concen: 46.281 ug/l
 RT: 8.70 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VX017353.D
 Acq: 13 Jul 2020 14:57

Tgt Ion: 98 Resp: 587463
 Ion Ratio Lower Upper
 98 100
 100 67.2 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 249.188 ug/l

RT: 8.62 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VX017353.D

Acq: 13 Jul 2020 14:57

Instrument :

MSVOA_X

ClientSampleId :

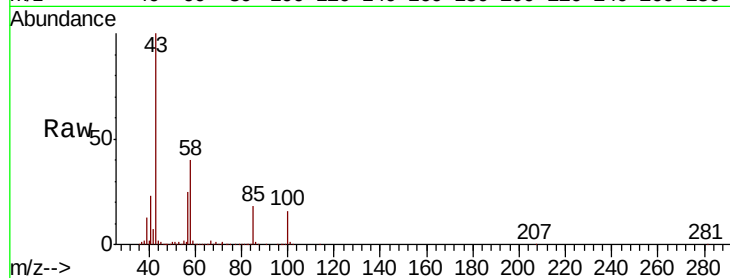
BFB

Tot Ion: 43 Resp: 1206491

Ion Ratio Lower Upper

43 100

58 39.7 32.2 48.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.62

800000

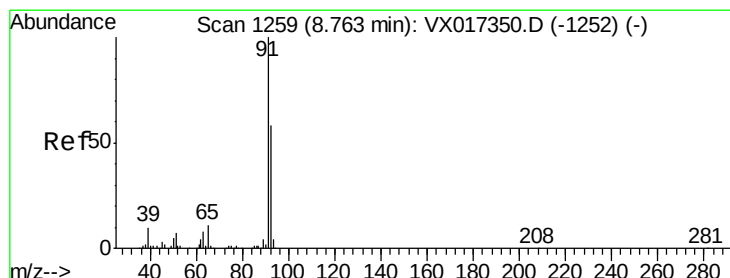
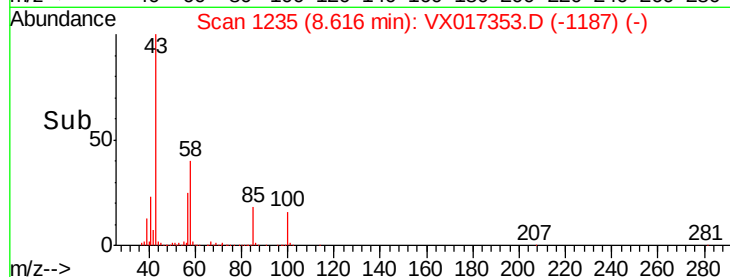
600000

400000

200000

0

Time--> 8.50 8.60 8.70



#52

Toluene

Concen: 48.563 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX017353.D

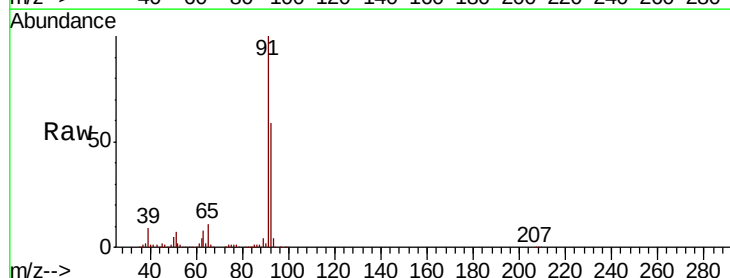
Acq: 13 Jul 2020 14:57

Tgt Ion: 92 Resp: 430351

Ion Ratio Lower Upper

92 100

91 169.6 136.7 205.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.76

500000

400000

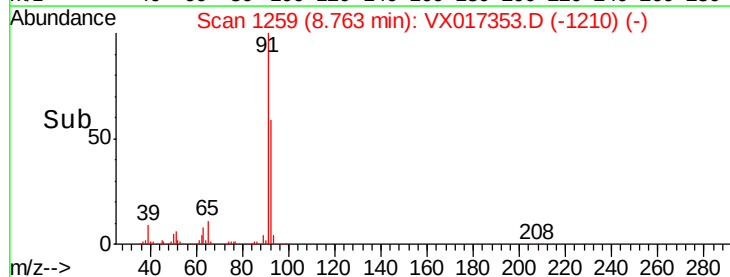
300000

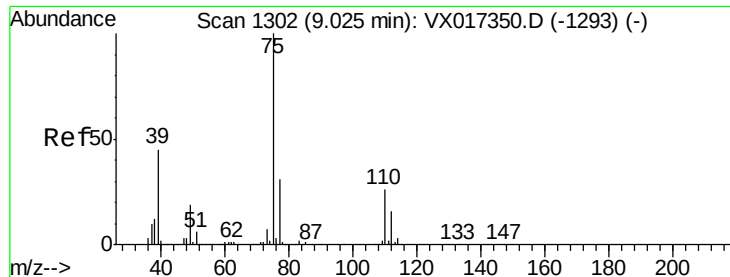
200000

100000

0

Time--> 8.70 8.80 8.90





#53

t-1,3-Dichloropropene

Concen: 49.814 ug/l

RT: 9.02 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VX017353.D

Acq: 13 Jul 2020 14:57

Instrument :

MSVOA_X

ClientSampled :

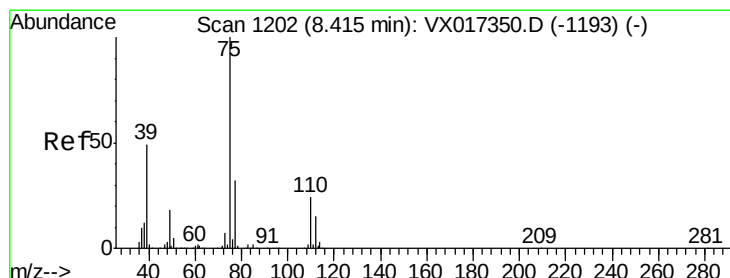
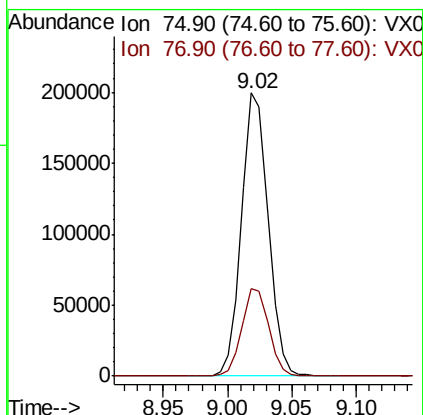
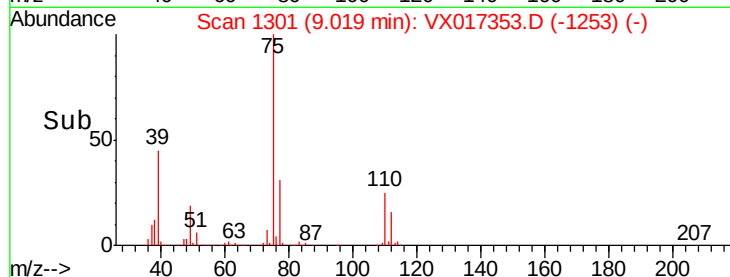
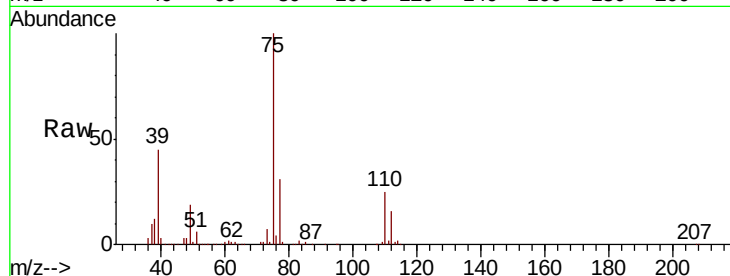
BFB

Tot Ion: 75 Resp: 285920

Ion Ratio Lower Upper

75 100

77 30.9 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 48.853 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX017353.D

Acq: 13 Jul 2020 14:57

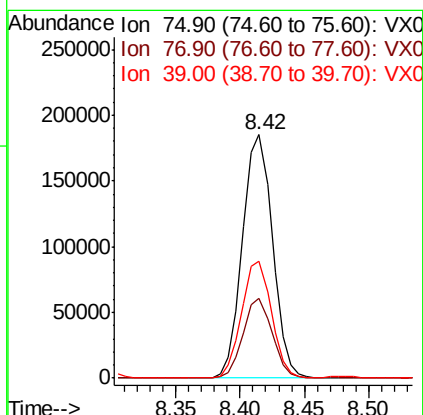
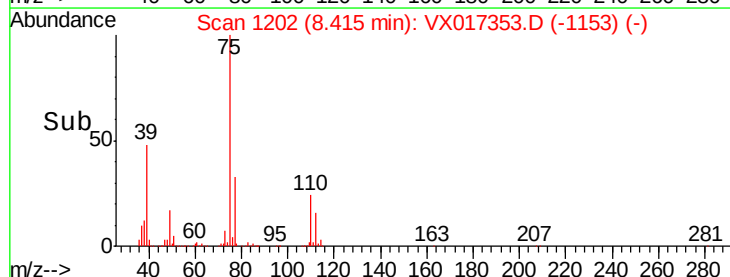
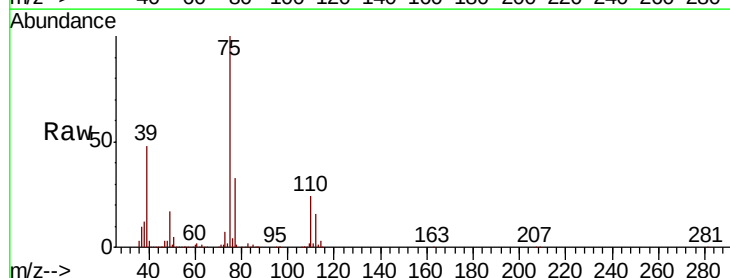
Tgt Ion: 75 Resp: 299069

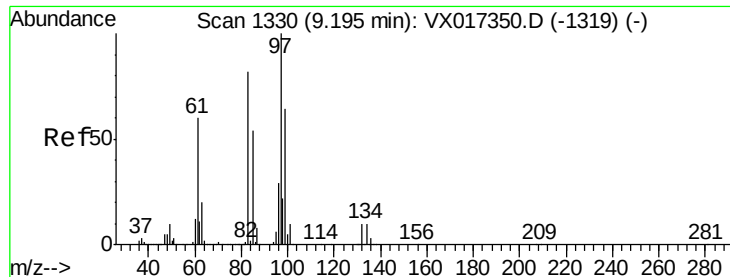
Ion Ratio Lower Upper

75 100

77 32.7 25.3 37.9

39 47.9 38.9 58.3

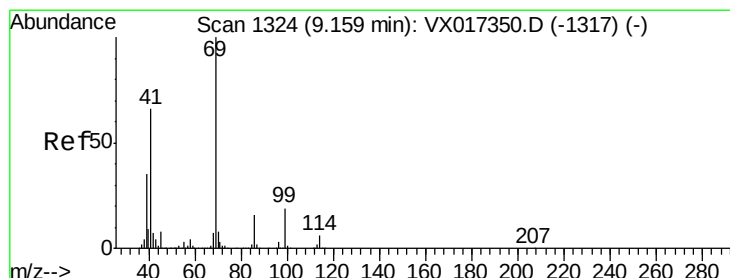
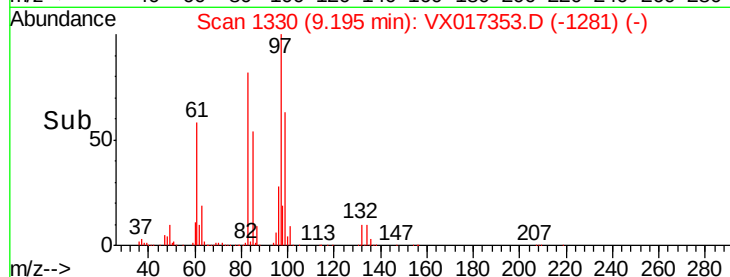
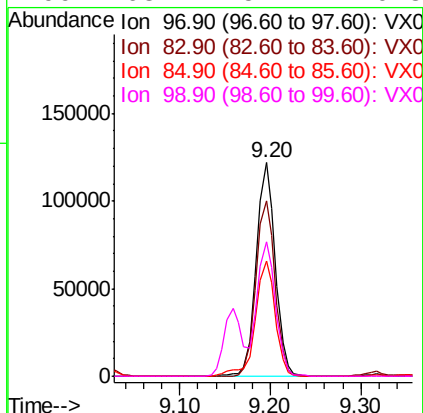
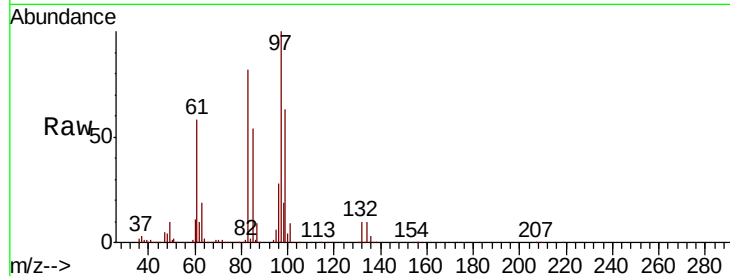




#55
 1,1,2-Trichloroethane
 Concen: 47.826 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX017353.D
 Acq: 13 Jul 2020 14:57

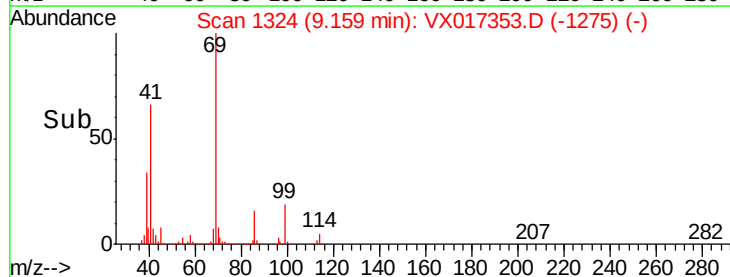
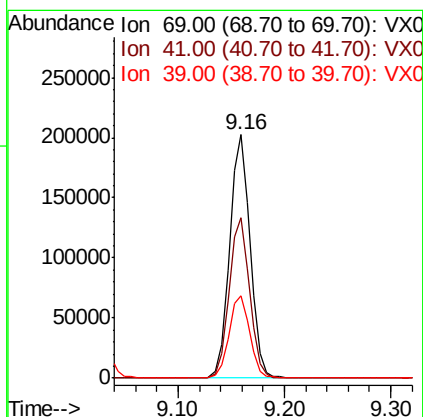
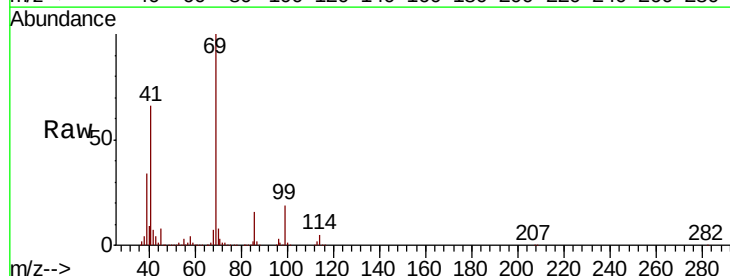
Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

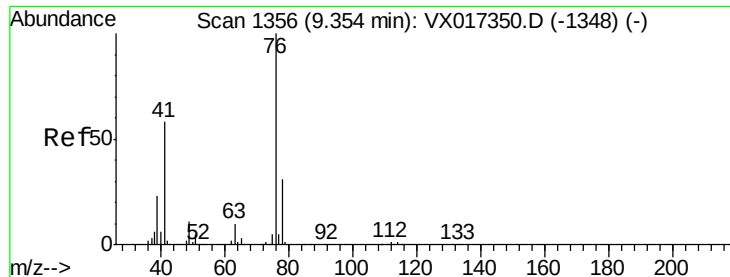
Tot Ion:	97	Resp:	176732
Ion	Ratio	Lower	Upper
97	100		
83	81.9	65.8	98.6
85	54.0	42.8	64.2
99	63.1	51.2	76.8



#56
 Ethyl methacrylate
 Concen: 52.031 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX017353.D
 Acq: 13 Jul 2020 14:57

Tgt Ion:	69	Resp:	272973
Ion	Ratio	Lower	Upper
69	100		
41	65.6	52.6	78.8
39	34.4	28.8	43.2





#57

1,3-Dichloropropane

Concen: 47.881 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX017353.D

Acq: 13 Jul 2020 14:57

Instrument :

MSVOA_X

ClientSampleId :

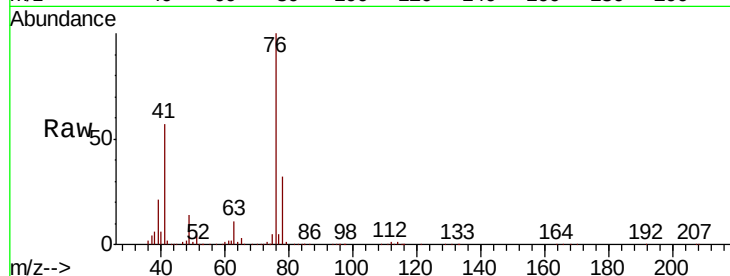
BFB

Tot Ion: 76 Resp: 294319

Ion Ratio Lower Upper

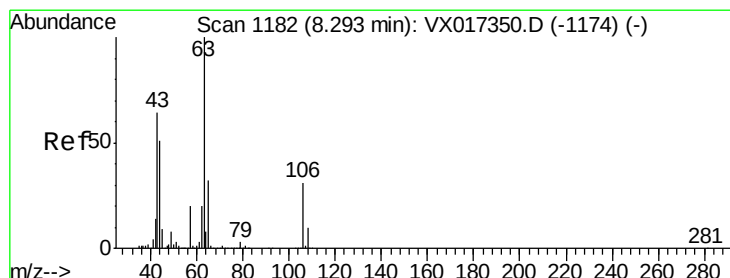
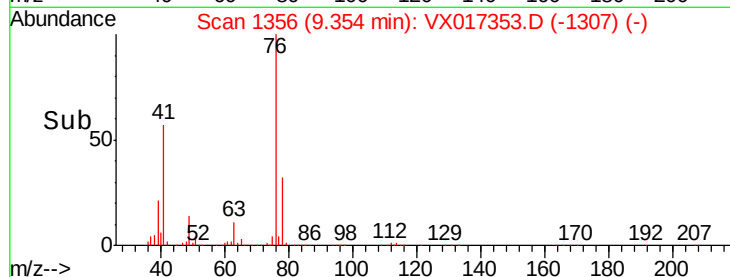
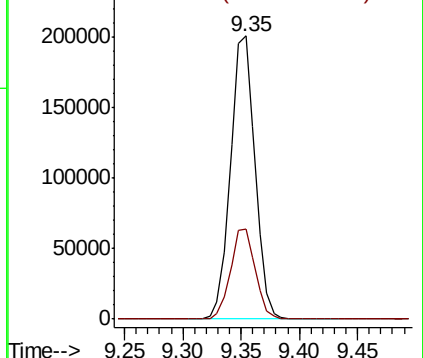
76 100

78 32.2 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 262.772 ug/l

RT: 8.29 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VX017353.D

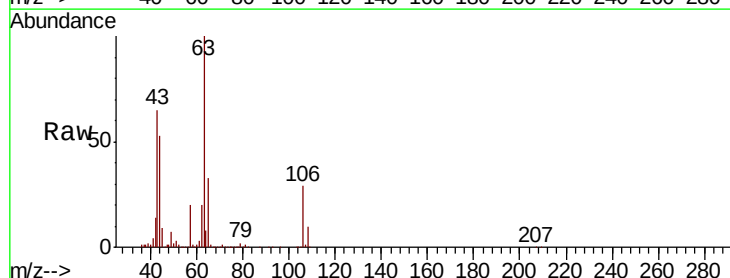
Acq: 13 Jul 2020 14:57

Tgt Ion: 63 Resp: 699978

Ion Ratio Lower Upper

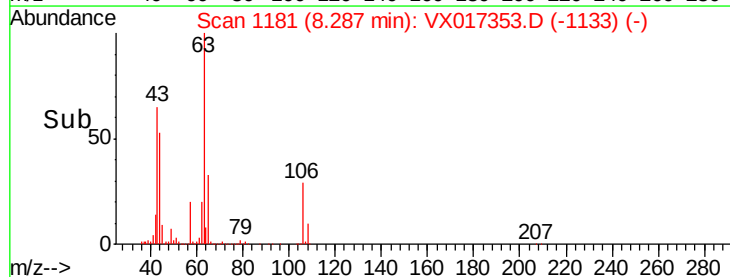
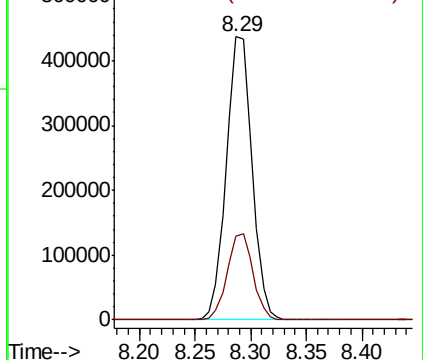
63 100

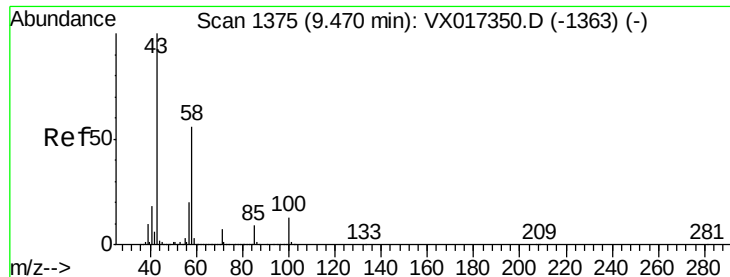
106 30.5 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

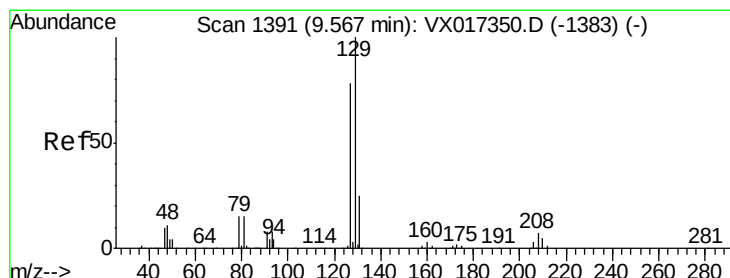
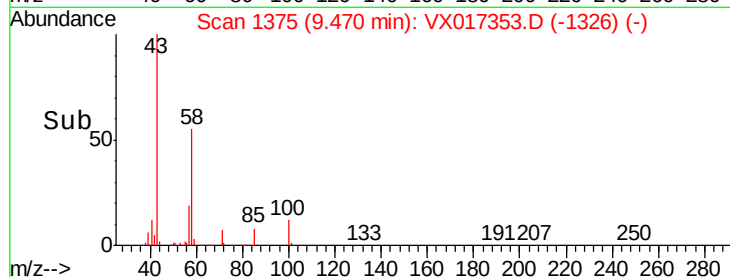
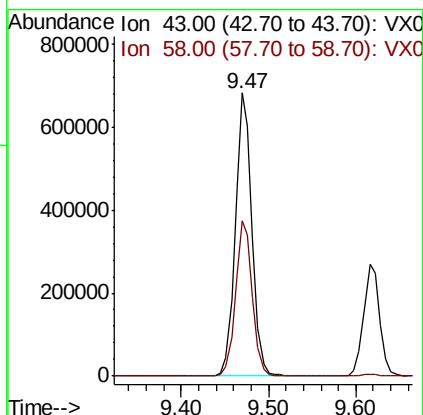
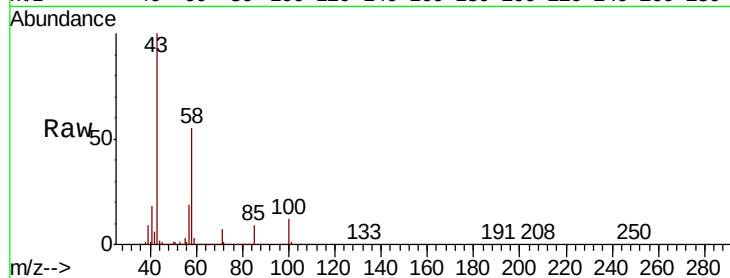




#59
2-Hexanone
Concen: 246.793 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX017353.D
Acq: 13 Jul 2020 14:57

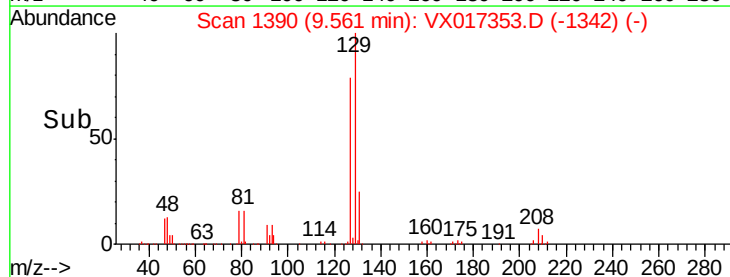
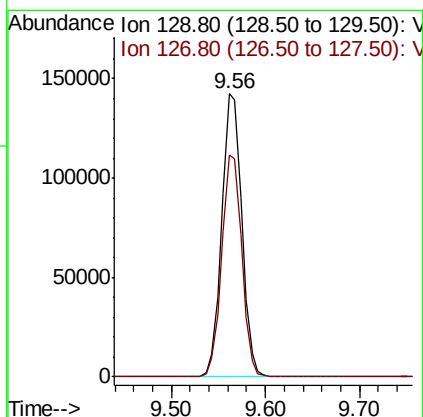
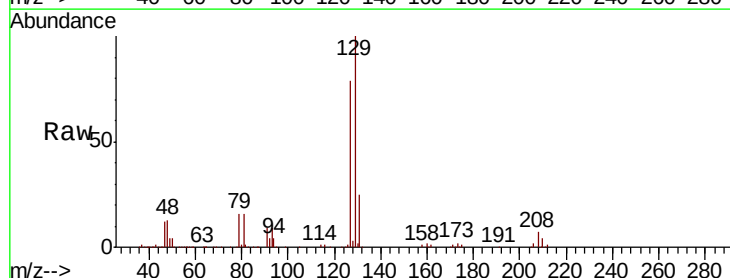
Instrument :
MSVOA_X
ClientSampleId :
BFB

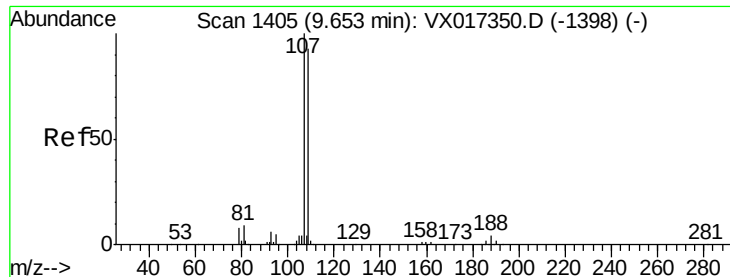
Tot Ion: 43 Resp: 901853
Ion Ratio Lower Upper
43 100
58 55.5 28.1 84.3



#60
Dibromochloromethane
Concen: 46.548 ug/l
RT: 9.56 min Scan# 1390
Delta R.T. -0.01 min
Lab File: VX017353.D
Acq: 13 Jul 2020 14:57

Tgt Ion: 129 Resp: 210137
Ion Ratio Lower Upper
129 100
127 78.4 38.9 116.6

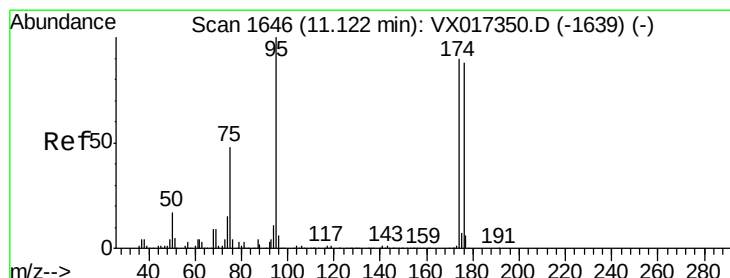
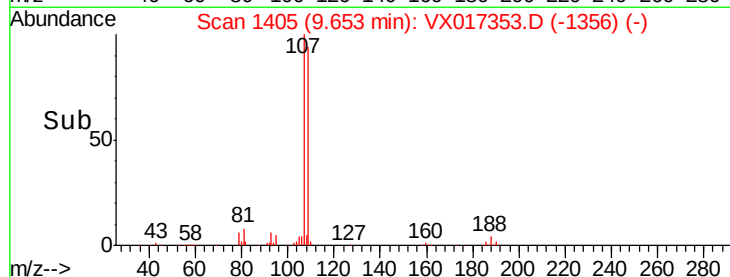
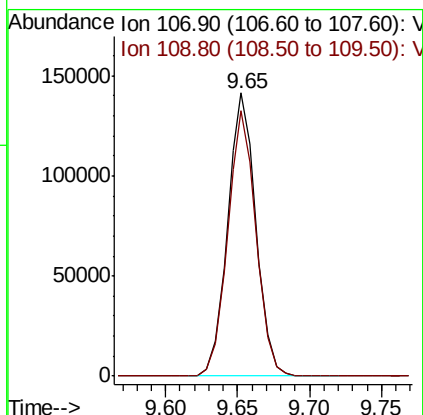
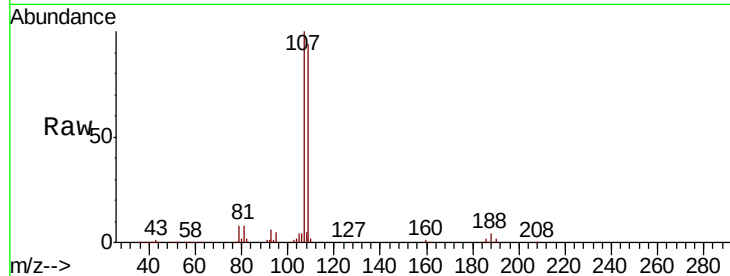




#61
 1,2-Dibromoethane
 Concen: 48.250 ug/l
 RT: 9.65 min Scan# 1405
 Delta R.T. 0.00 min
 Lab File: VX017353.D
 Acq: 13 Jul 2020 14:57

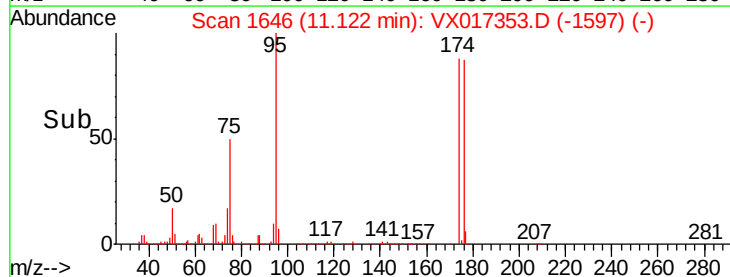
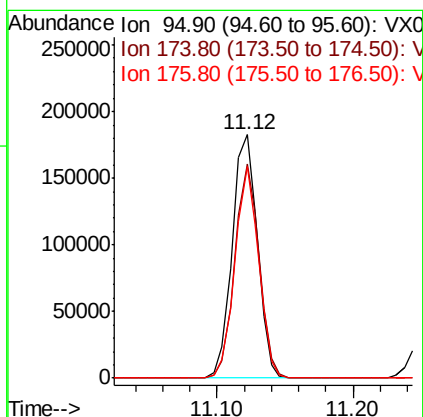
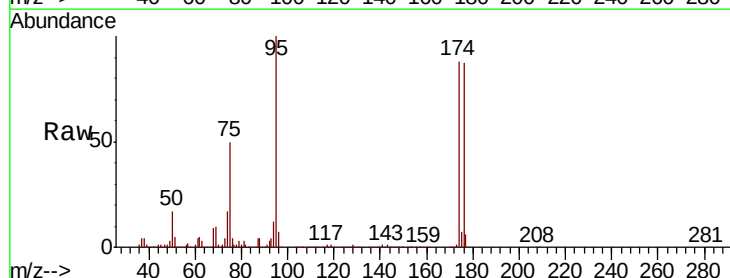
Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

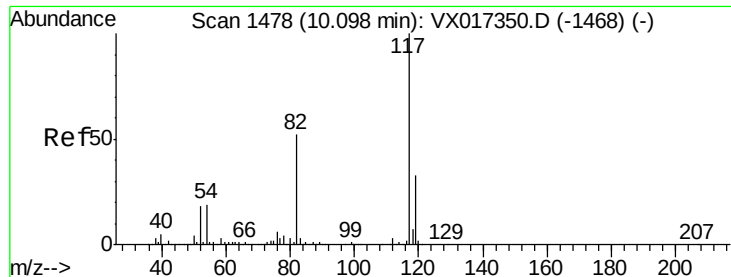
Tot Ion: 107 Resp: 193963
 Ion Ratio Lower Upper
 107 100
 109 93.6 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 46.584 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.00 min
 Lab File: VX017353.D
 Acq: 13 Jul 2020 14:57

Tgt Ion: 95 Resp: 234878
 Ion Ratio Lower Upper
 95 100
 174 85.2 0.0 175.8
 176 82.3 0.0 164.6

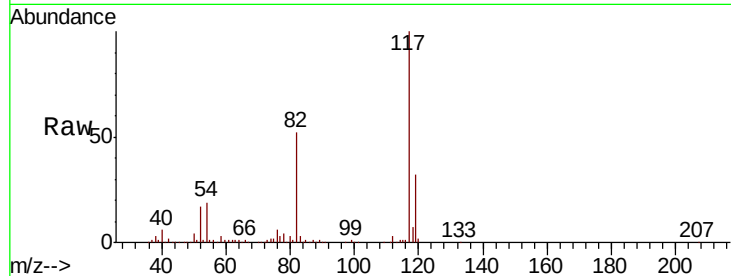




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX017353.D
Acq: 13 Jul 2020 14:57

Instrument :
MSVOA_X
ClientSampleId :
BFB

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	42.0	63.0
119	32.0	26.3	39.5

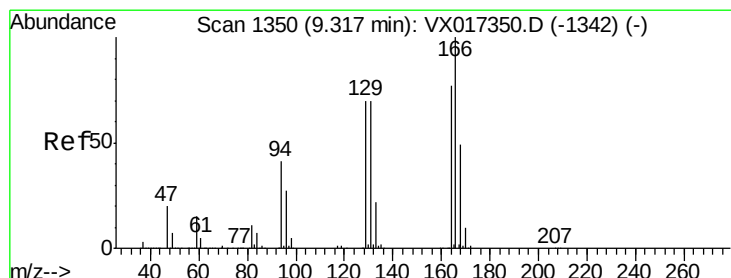
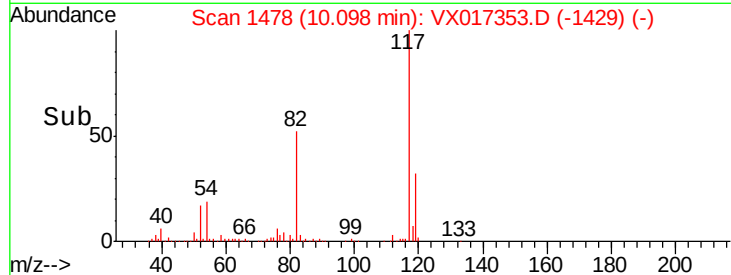
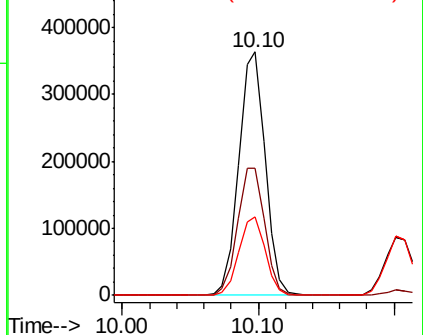


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 45.929 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX017353.D
Acq: 13 Jul 2020 14:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.4	103.9	155.9
129	93.0	72.9	109.3
131	89.2	72.5	108.7

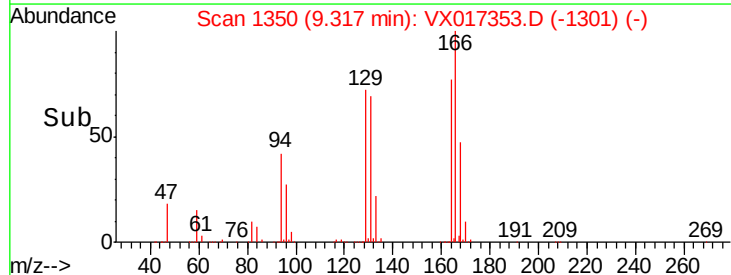
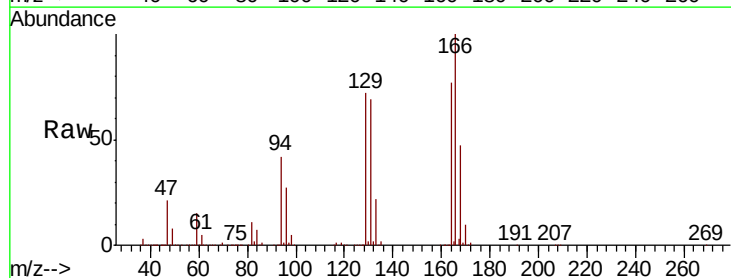
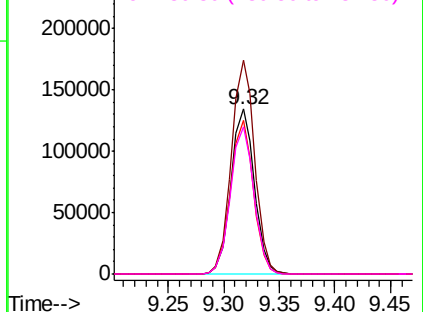
Abundance

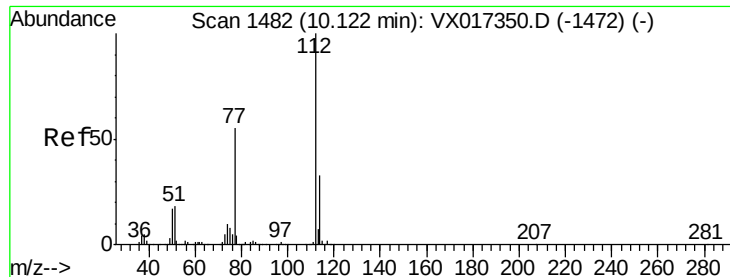
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

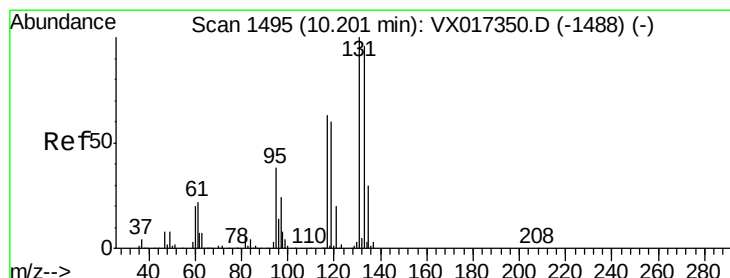
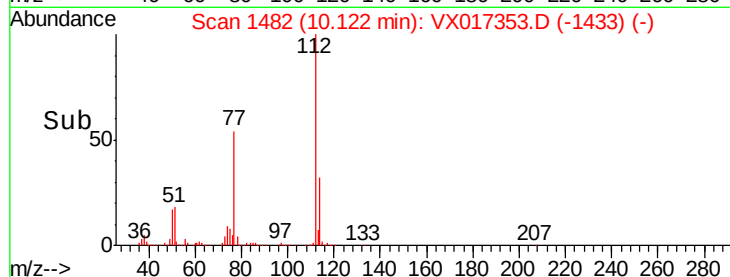
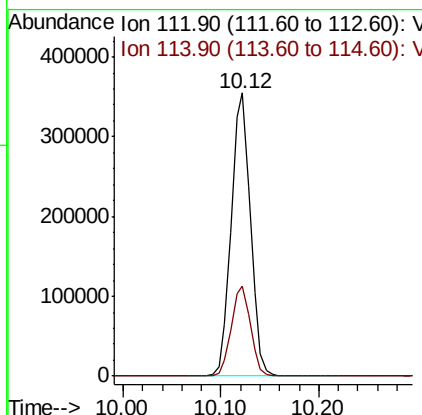
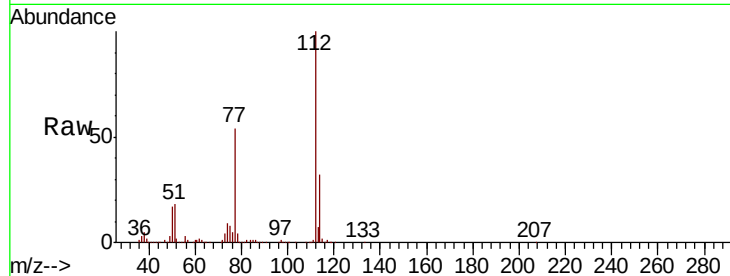




#65
Chlorobenzene
Concen: 48.417 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX017353.D
Acq: 13 Jul 2020 14:57

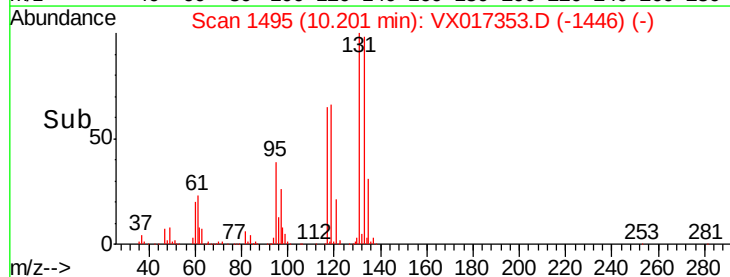
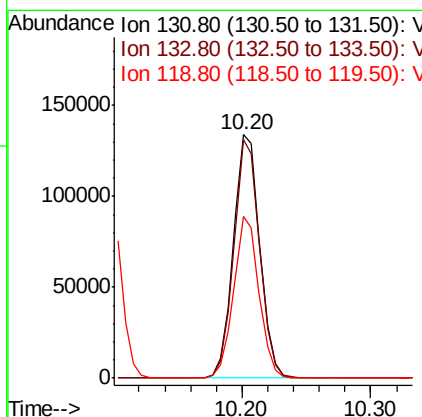
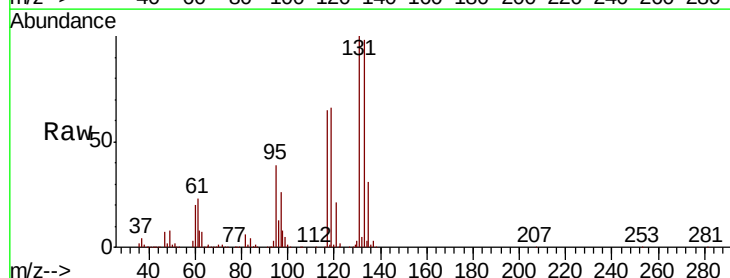
Instrument :
MSVOA_X
ClientSampleId :
BFB

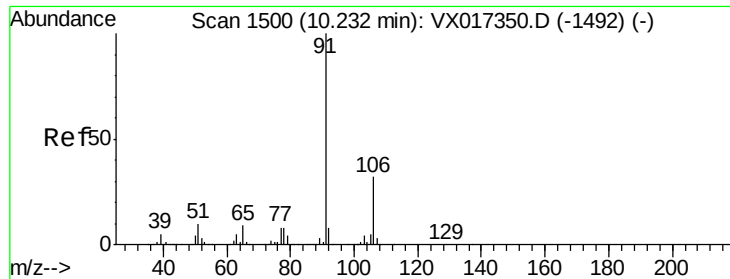
Tot Ion:112 Resp: 483118
Ion Ratio Lower Upper
112 100
114 31.9 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 48.129 ug/l
RT: 10.20 min Scan# 1495
Delta R.T. 0.00 min
Lab File: VX017353.D
Acq: 13 Jul 2020 14:57

Tgt Ion:131 Resp: 191204
Ion Ratio Lower Upper
131 100
133 95.5 48.4 145.2
119 63.8 31.2 93.6





#67

Ethyl Benzene

Concen: 50.377 ug/l

RT: 10.23 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VX017353.D

Acq: 13 Jul 2020 14:57

Instrument :

MSVOA_X

ClientSampled :

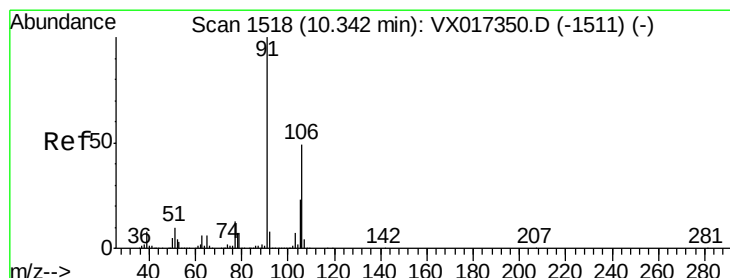
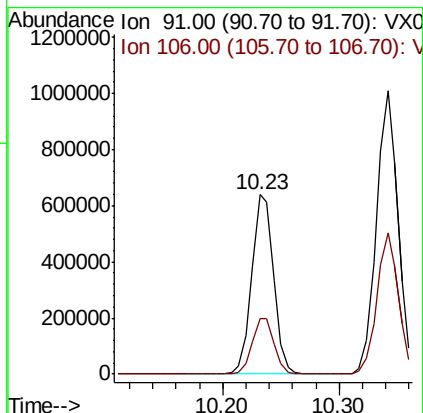
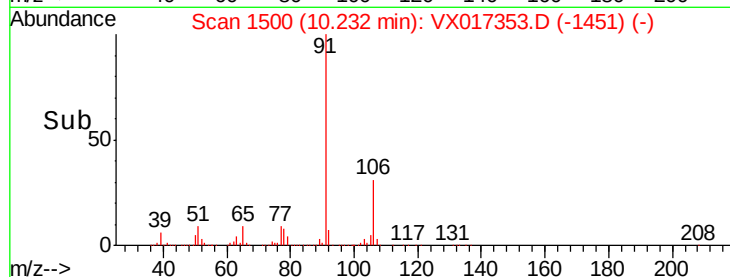
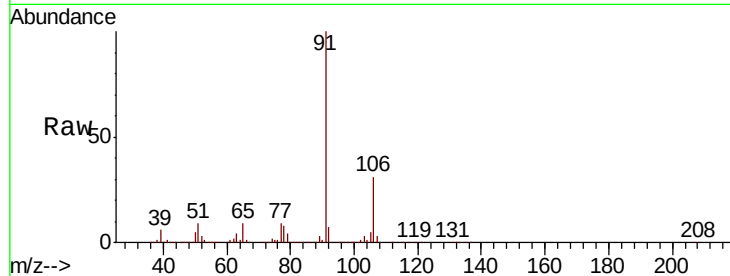
BFB

Tot Ion: 91 Resp: 836826

Ion Ratio Lower Upper

91 100

106 30.8 25.7 38.5



#68

m/p-Xylenes

Concen: 102.548 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX017353.D

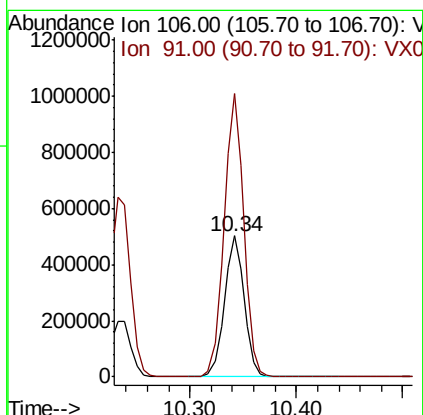
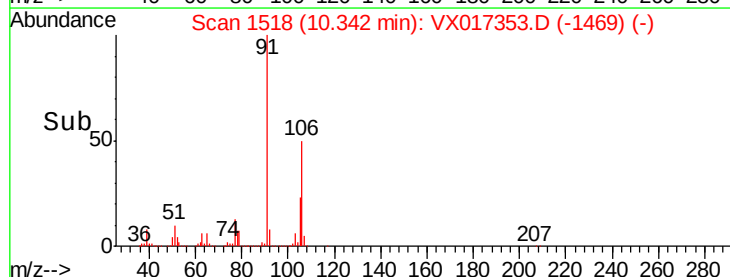
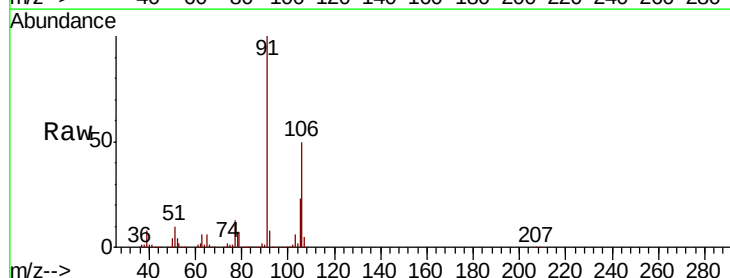
Acq: 13 Jul 2020 14:57

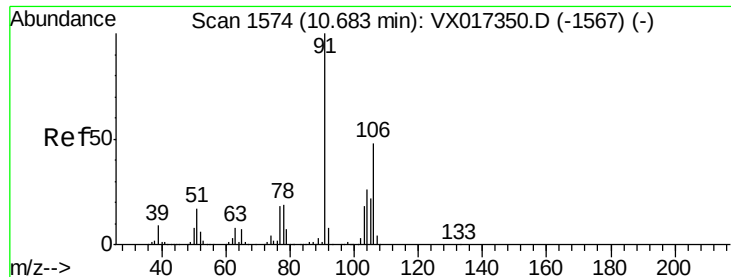
Tgt Ion: 106 Resp: 648129

Ion Ratio Lower Upper

106 100

91 200.3 162.5 243.7

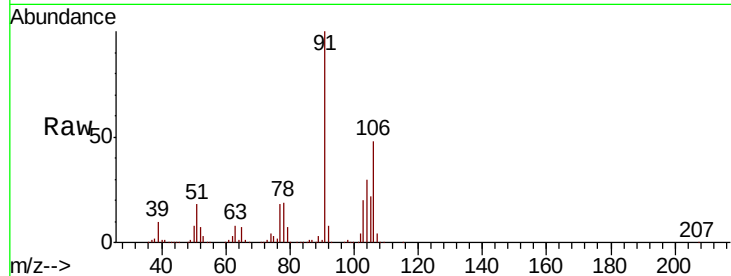




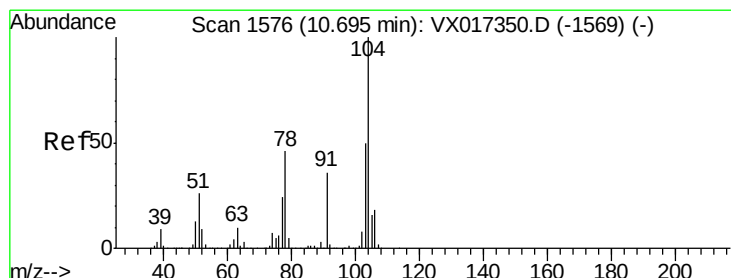
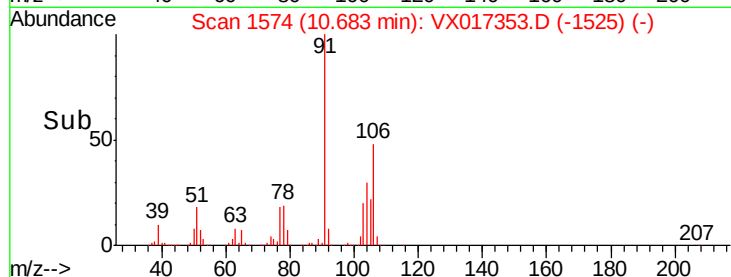
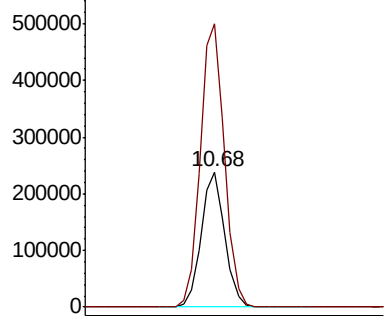
#69
o-Xylene
Concen: 50.336 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX017353.D
Acq: 13 Jul 2020 14:57

Instrument :
MSVOA_X
ClientSampleId :
BFB

Tot Ion:106 Resp: 303992
Ion Ratio Lower Upper
106 100
91 215.0 106.1 318.1

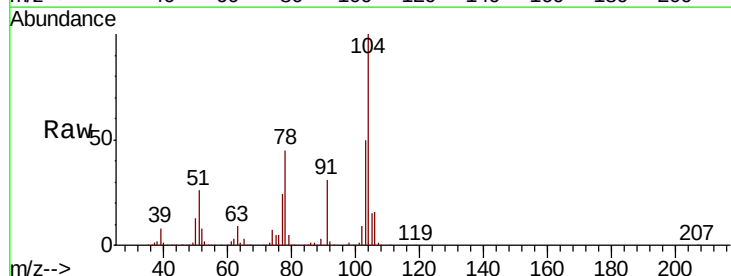


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

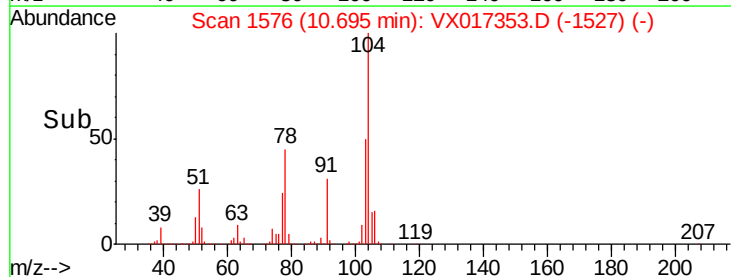
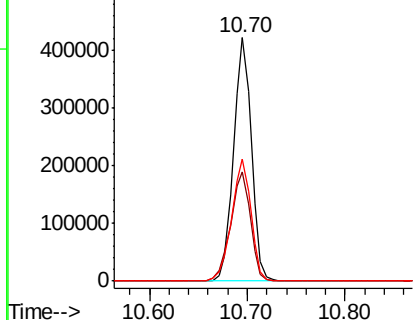


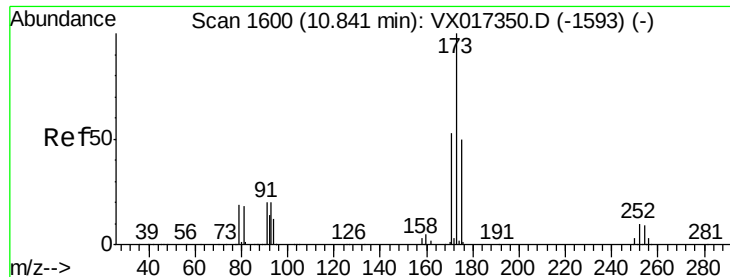
#70
Styrene
Concen: 51.659 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX017353.D
Acq: 13 Jul 2020 14:57

Tgt Ion:104 Resp: 535533
Ion Ratio Lower Upper
104 100
78 50.0 40.8 61.2
103 54.5 43.3 64.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 48.258 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX017353.D

Acq: 13 Jul 2020 14:57

Instrument :

MSVOA_X

ClientSampleId :

BFB

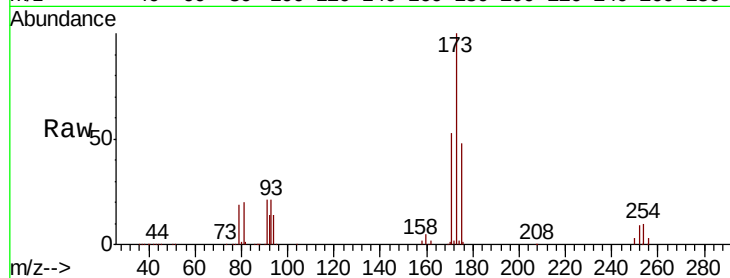
Tot Ion:173 Resp: 161778

Ion Ratio Lower Upper

173 100

175 48.7 24.7 74.1

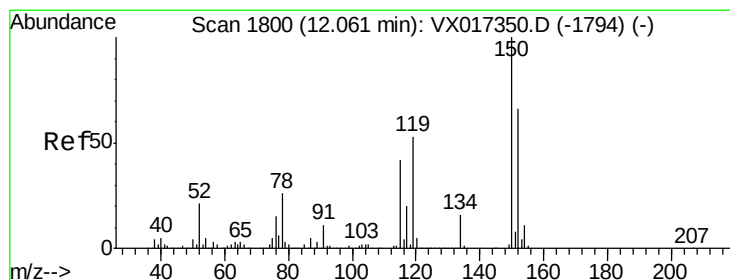
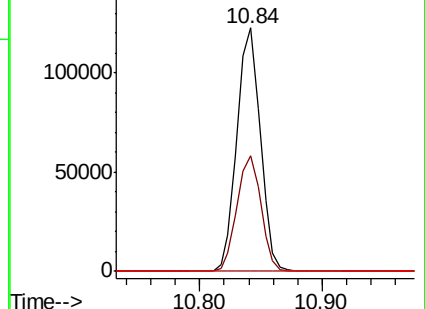
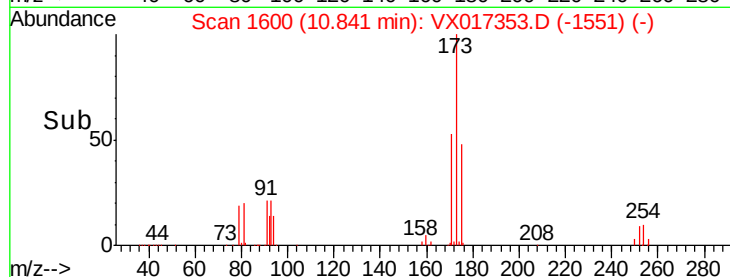
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX017353.D

Acq: 13 Jul 2020 14:57

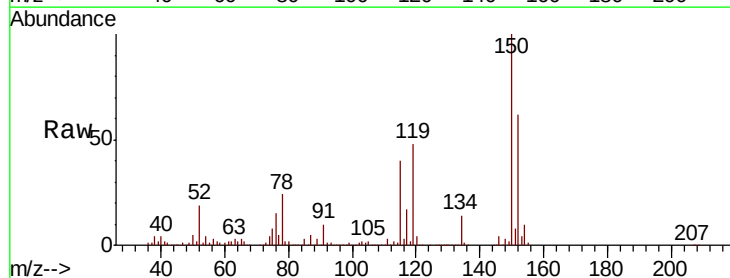
Tgt Ion:152 Resp: 271780

Ion Ratio Lower Upper

152 100

115 79.7 39.9 119.7

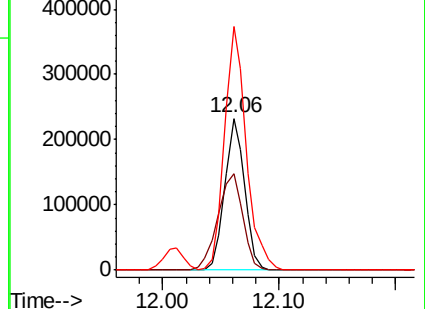
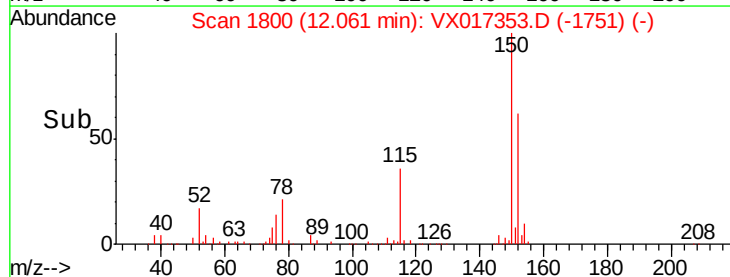
150 176.7 0.0 343.4

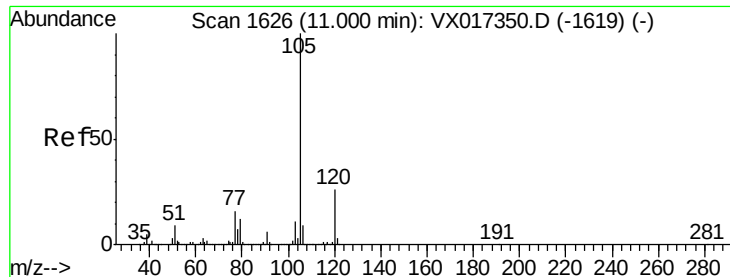


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.008 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX017353.D

Acq: 13 Jul 2020 14:57

Instrument :

MSVOA_X

ClientSampleId :

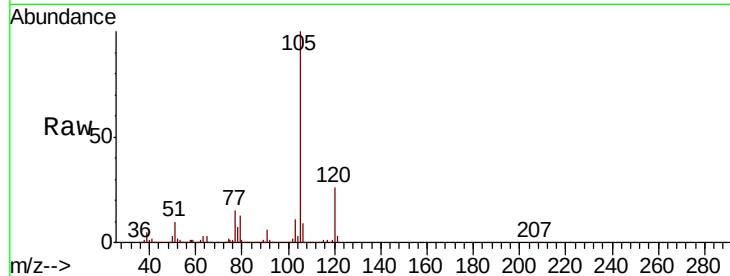
BFB

Tot Ion:105 Resp: 834957

Ion Ratio Lower Upper

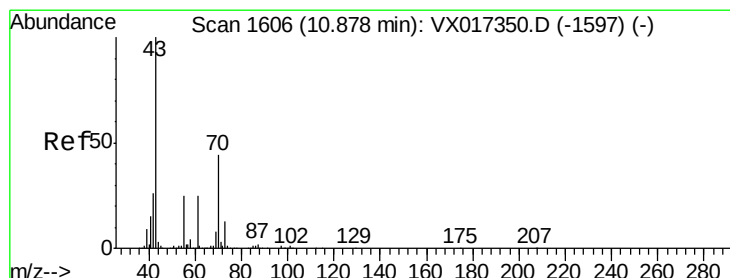
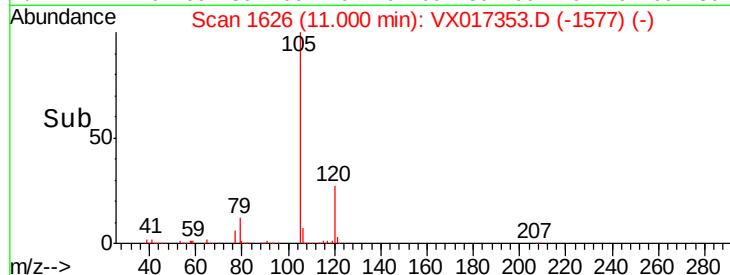
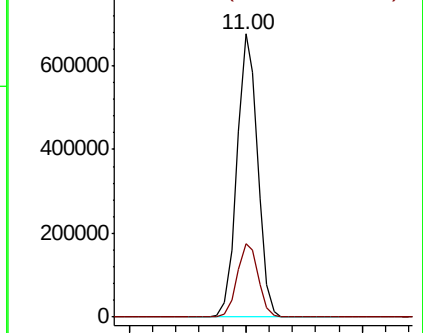
105 100

120 26.6 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.866 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VX017353.D

Acq: 13 Jul 2020 14:57

Tgt Ion: 43 Resp: 360425

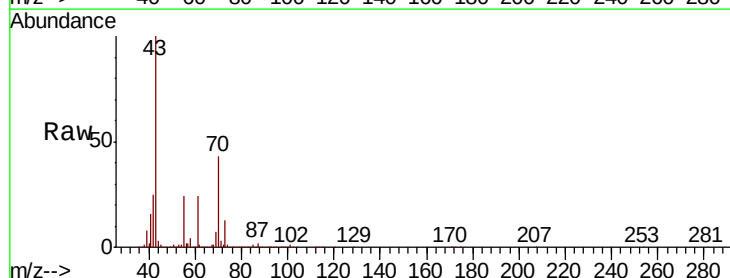
Ion Ratio Lower Upper

43 100

70 43.6 35.7 53.5

55 24.6 20.3 30.5

61 24.6 20.0 30.0

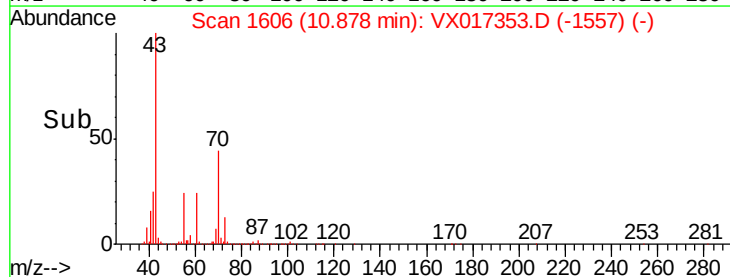
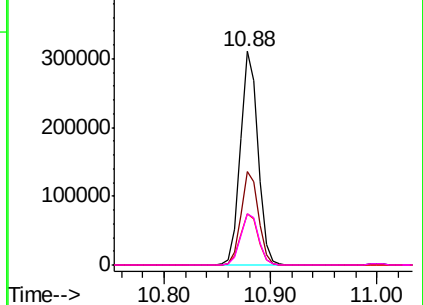


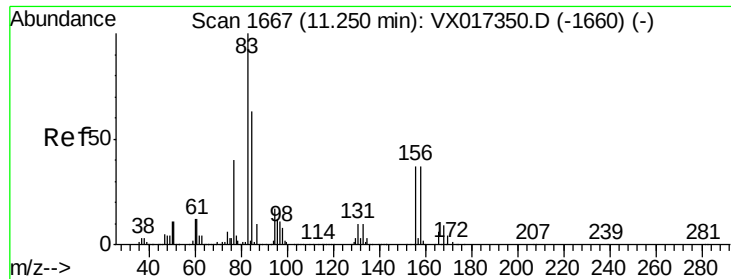
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.689 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX017353.D

Acq: 13 Jul 2020 14:57

Instrument :

MSVOA_X

ClientSampled :

BFB

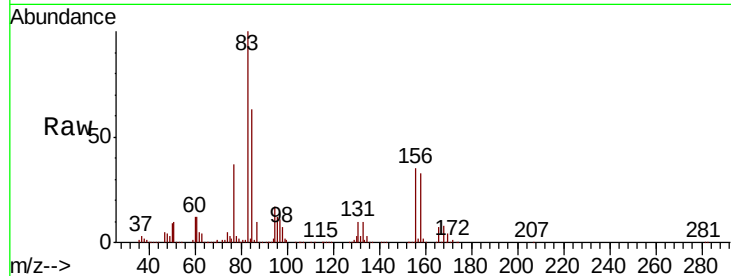
Tot Ion: 83 Resp: 251860

Ion Ratio Lower Upper

83 100

131 10.8 5.5 16.7

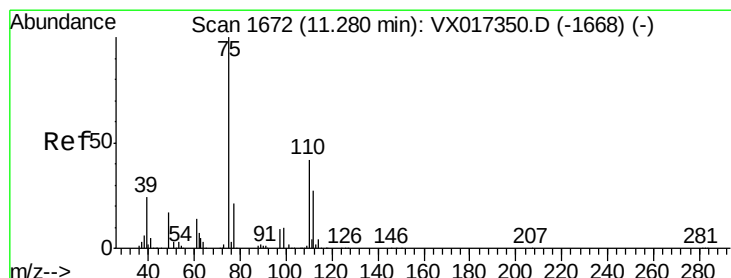
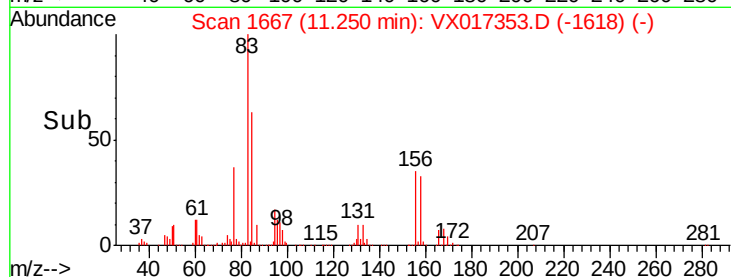
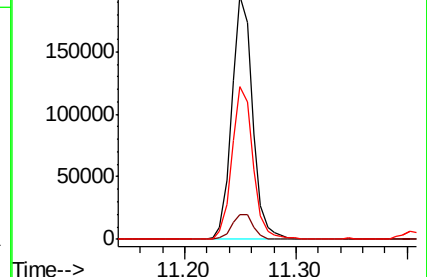
85 63.3 32.6 98.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 64.224 ug/l

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX017353.D

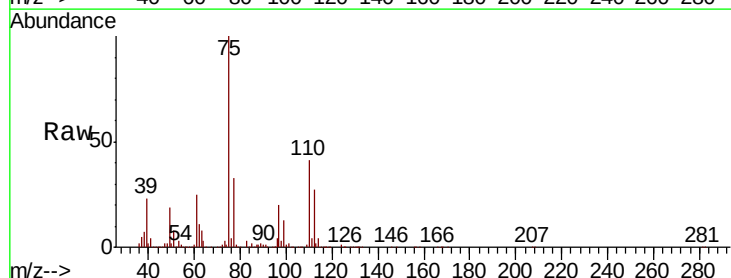
Acq: 13 Jul 2020 14:57

Tgt Ion: 75 Resp: 322536

Ion Ratio Lower Upper

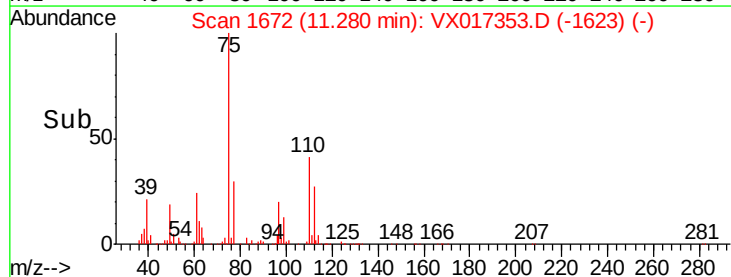
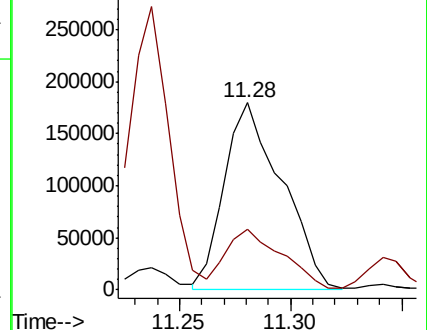
75 100

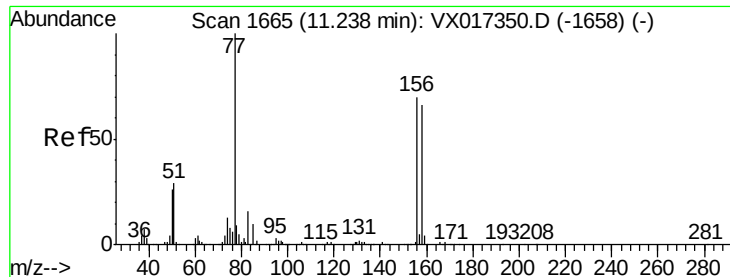
77 32.1 20.3 60.9



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 47.058 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX017353.D

Acq: 13 Jul 2020 14:57

Instrument :

MSVOA_X

ClientSampleId :

BFB

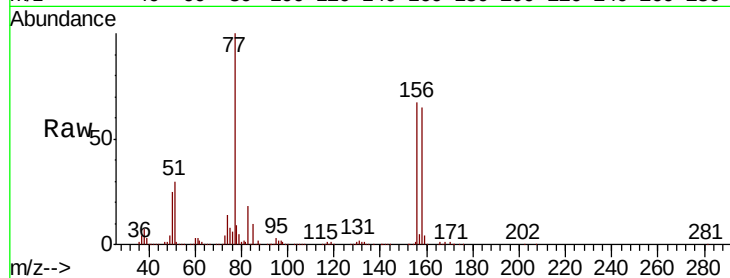
Tot Ion:156 Resp: 228342

Ion Ratio Lower Upper

156 100

77 149.7 72.1 216.3

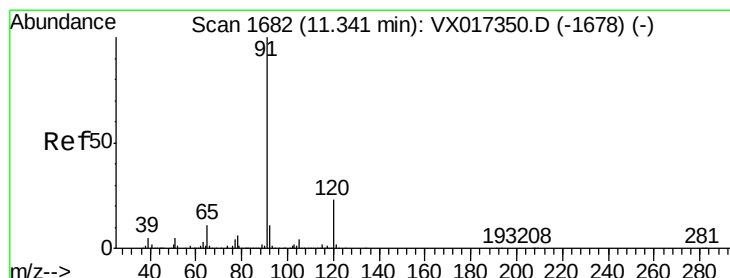
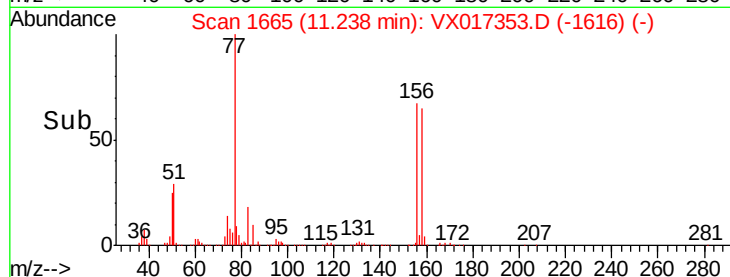
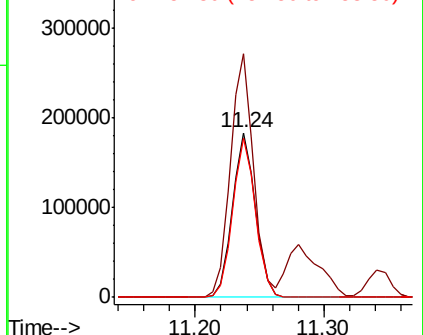
158 96.7 47.4 142.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.783 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VX017353.D

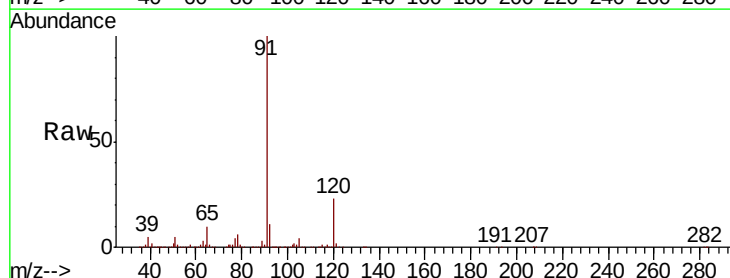
Acq: 13 Jul 2020 14:57

Tgt Ion: 91 Resp: 971682

Ion Ratio Lower Upper

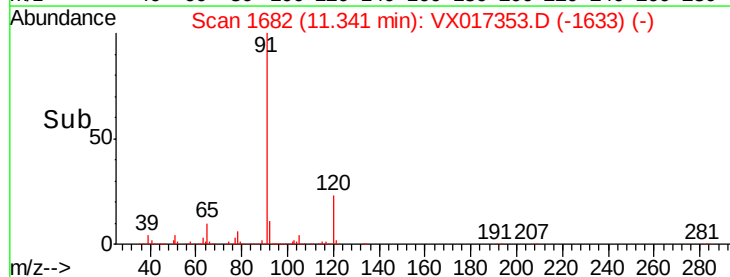
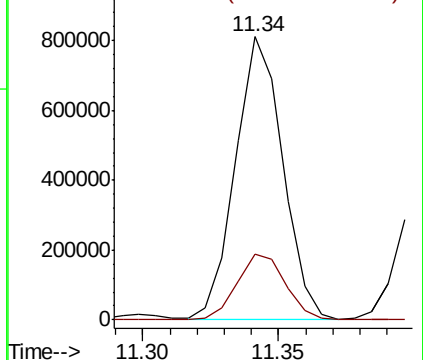
91 100

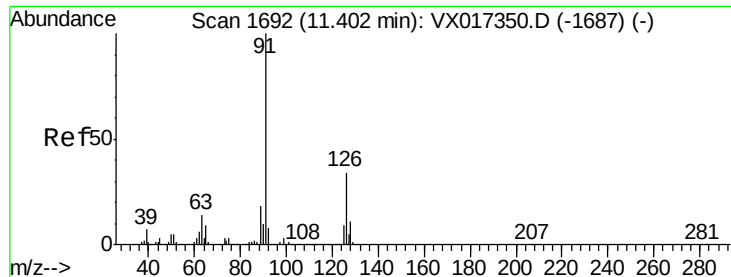
120 24.0 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.822 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX017353.D

Acq: 13 Jul 2020 14:57

Instrument :

MSVOA_X

ClientSampled :

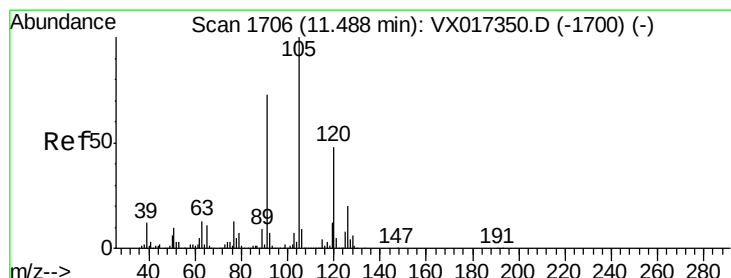
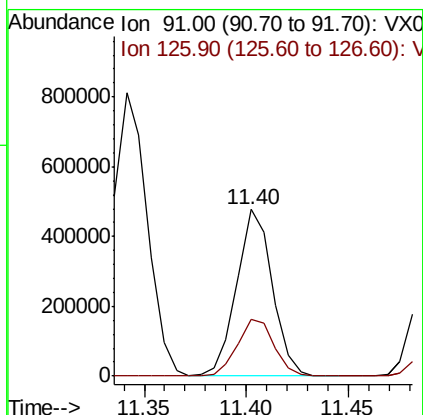
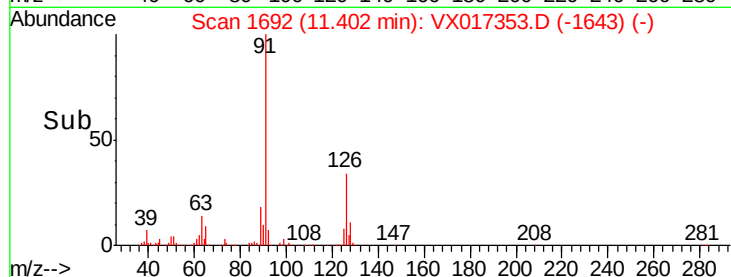
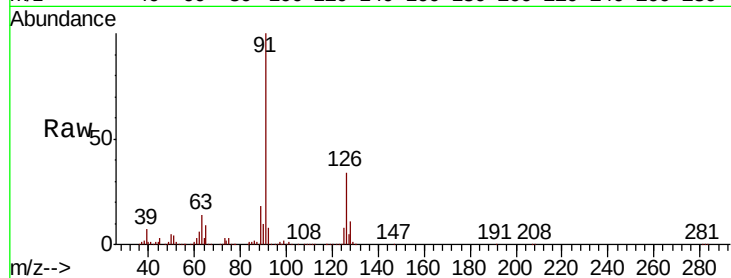
BFB

Tot Ion: 91 Resp: 575673

Ion Ratio Lower Upper

91 100

126 35.4 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 50.025 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX017353.D

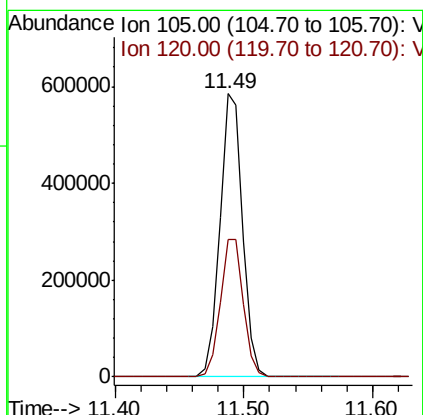
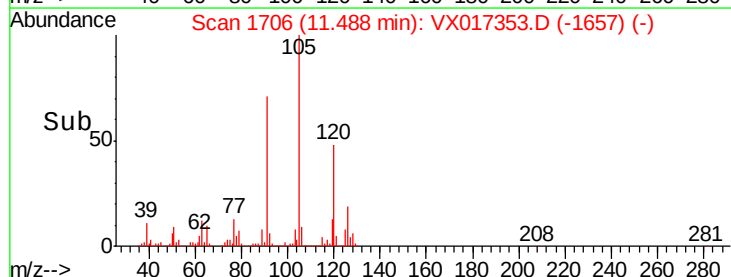
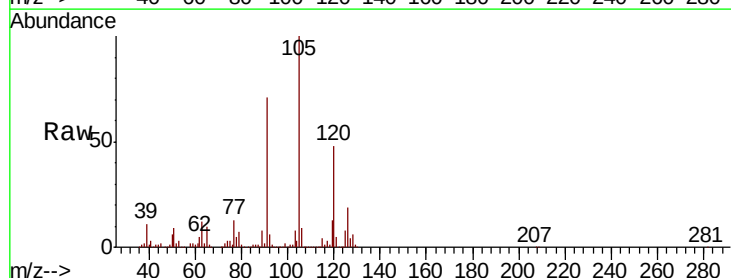
Acq: 13 Jul 2020 14:57

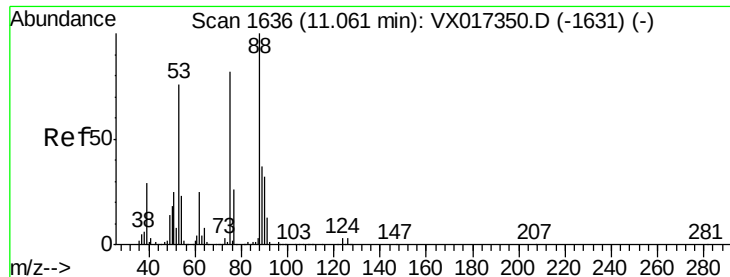
Tgt Ion:105 Resp: 723469

Ion Ratio Lower Upper

105 100

120 49.6 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 48.972 ug/l

RT: 11.05 min Scan# 1635

Delta R.T. -0.01 min

Lab File: VX017353.D

Acq: 13 Jul 2020 14:57

Instrument :

MSVOA_X

ClientSampleId :

BFB

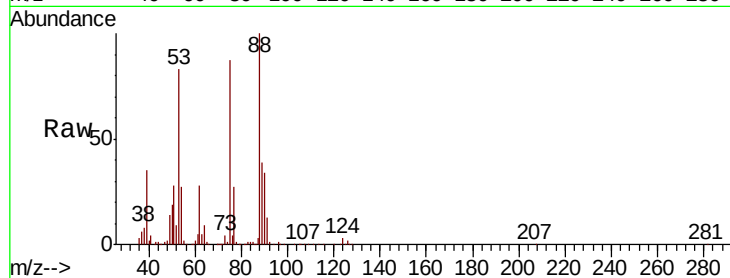
Tot Ion: 75 Resp: 96949

Ion Ratio Lower Upper

75 100

53 95.1 76.5 114.7

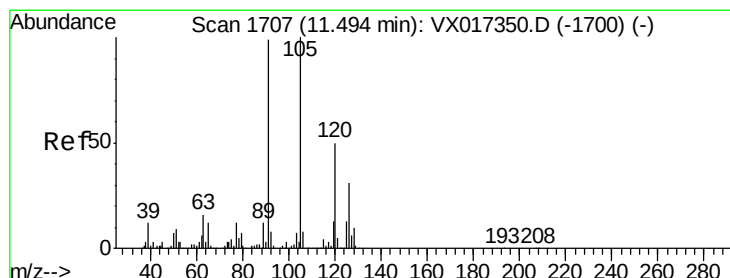
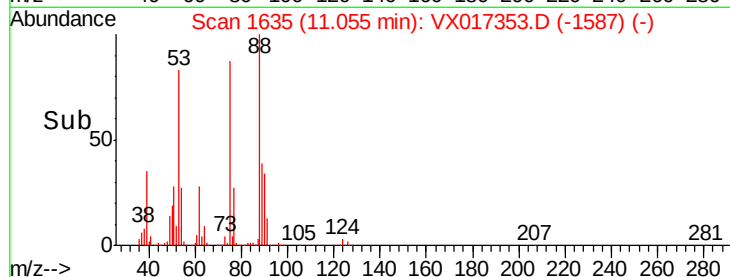
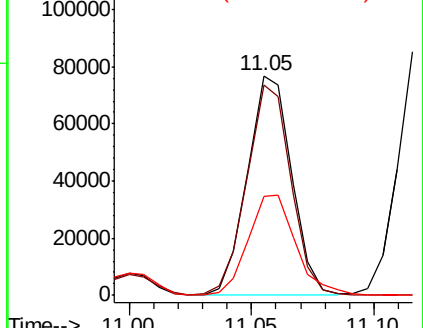
89 49.5 38.1 57.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 49.558 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX017353.D

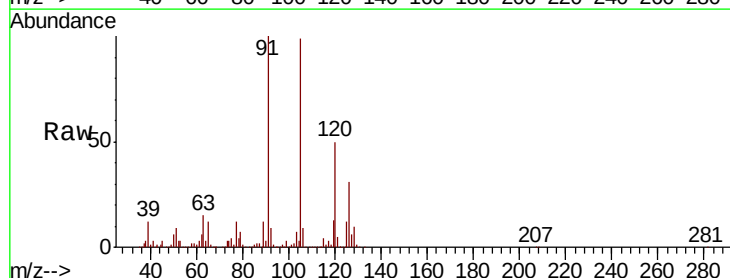
Acq: 13 Jul 2020 14:57

Tgt Ion: 91 Resp: 692517

Ion Ratio Lower Upper

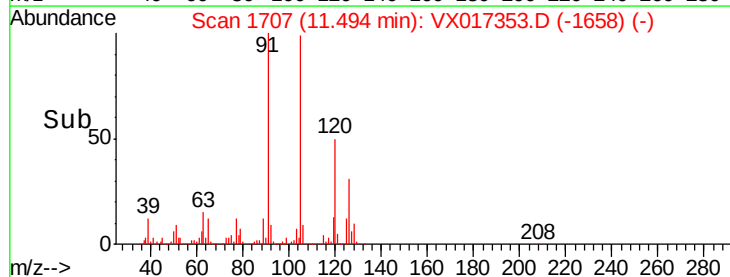
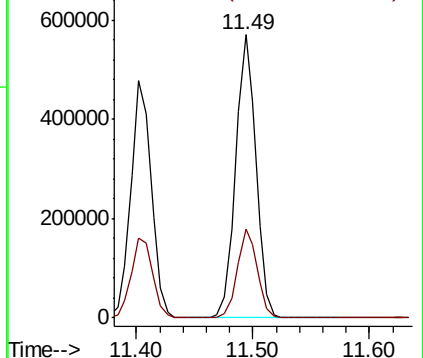
91 100

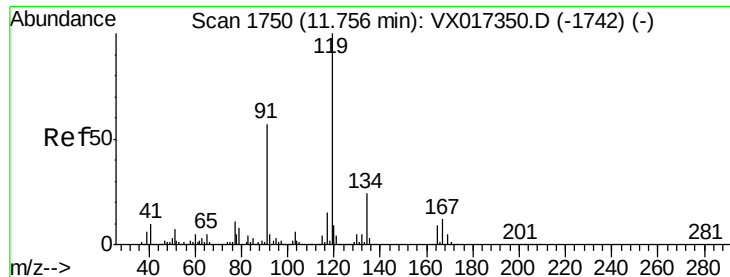
126 30.8 15.4 46.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

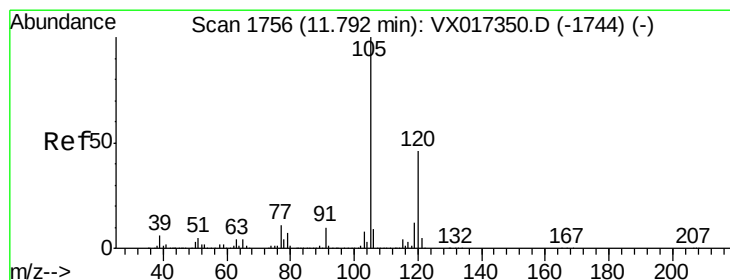
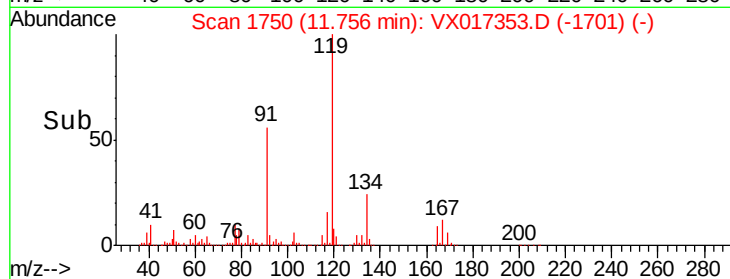
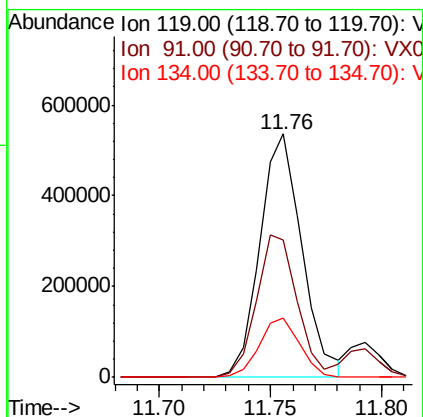
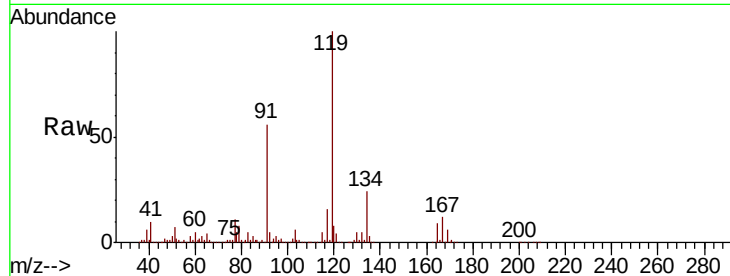




#83
 tert-Butylbenzene
 Concen: 50.350 ug/l
 RT: 11.76 min Scan# 1750
 Delta R.T. 0.00 min
 Lab File: VX017353.D
 Acq: 13 Jul 2020 14:57

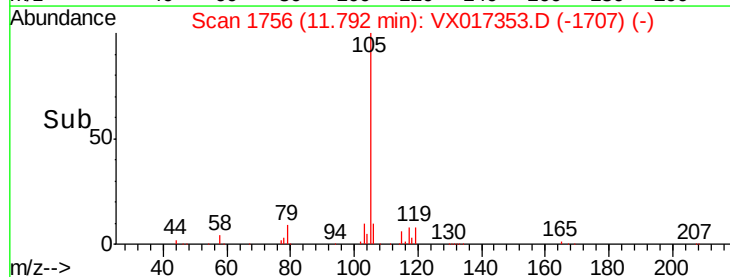
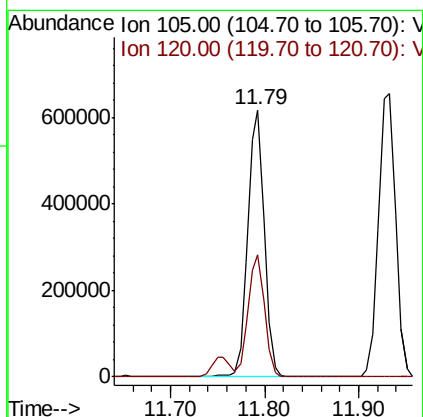
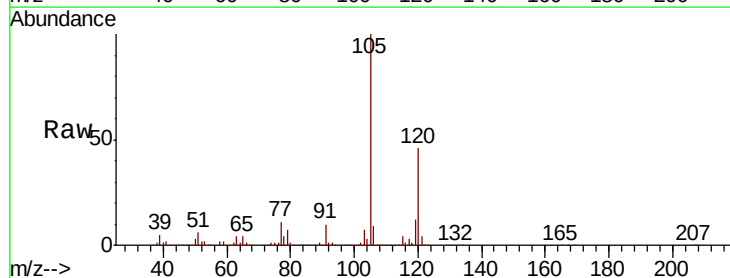
Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

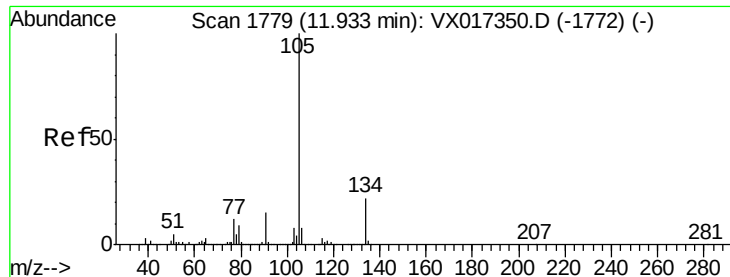
Tot Ion	Ratio	Lower	Upper
119	100		
91	56.4	28.5	85.6
134	23.6	11.9	35.9



#84
 1,2,4-Trimethylbenzene
 Concen: 50.973 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VX017353.D
 Acq: 13 Jul 2020 14:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.8	68.4





#85

sec-Butylbenzene

Concen: 50.560 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VX017353.D

Acq: 13 Jul 2020 14:57

Instrument :

MSVOA_X

ClientSampled :

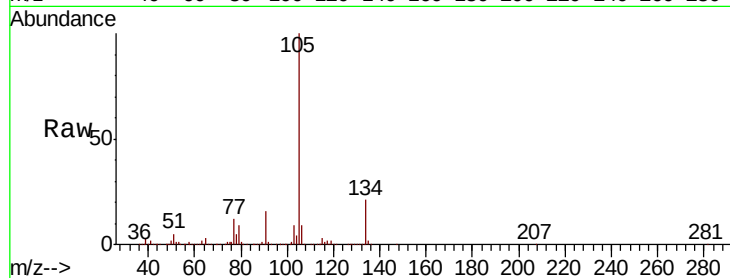
BFB

Tot Ion:105 Resp: 827532

Ion Ratio Lower Upper

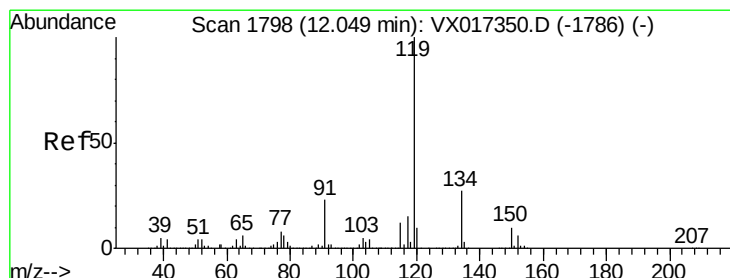
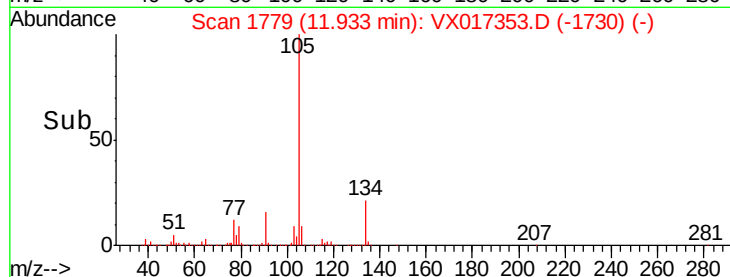
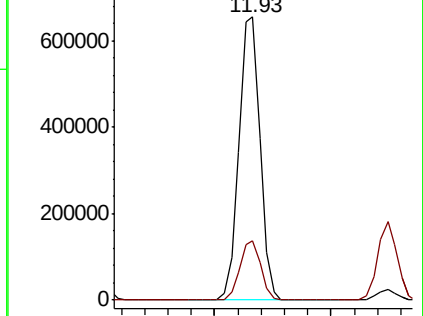
105 100

134 20.7 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.218 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX017353.D

Acq: 13 Jul 2020 14:57

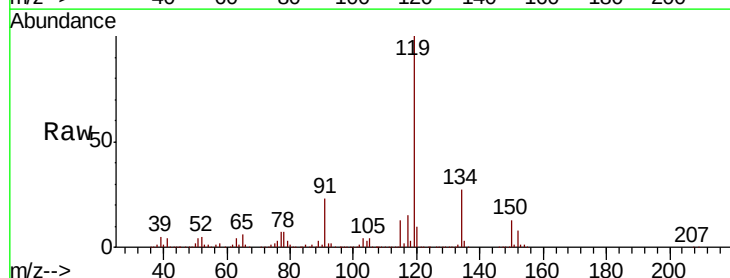
Tgt Ion:119 Resp: 793206

Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.5

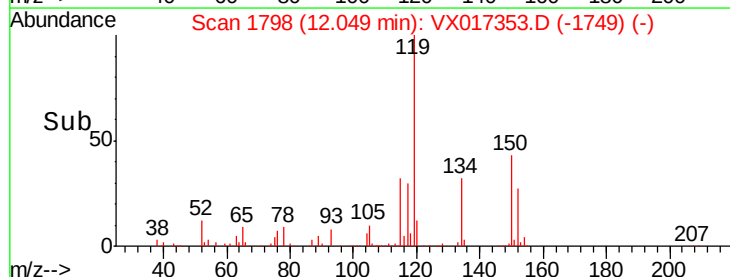
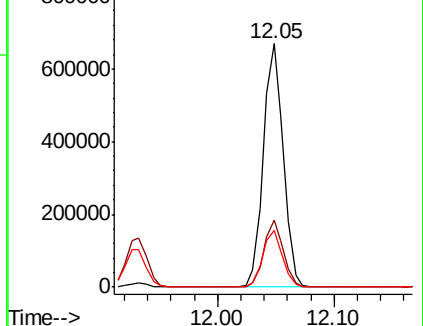
91 23.1 11.8 35.3

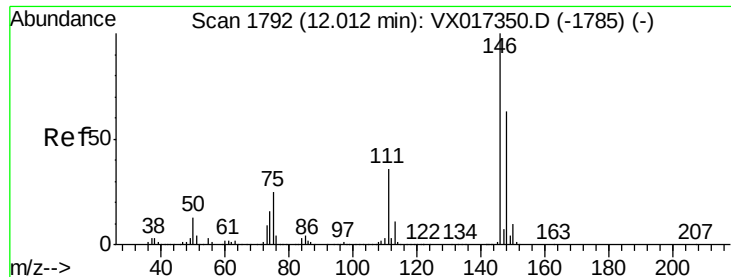


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

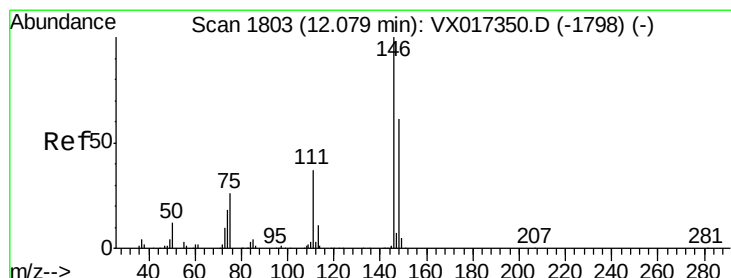
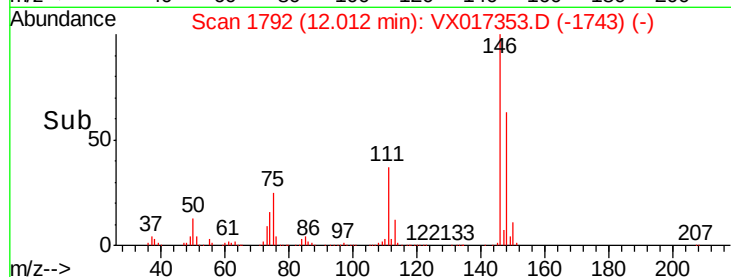
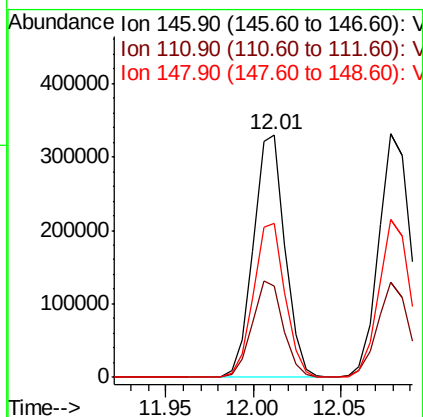
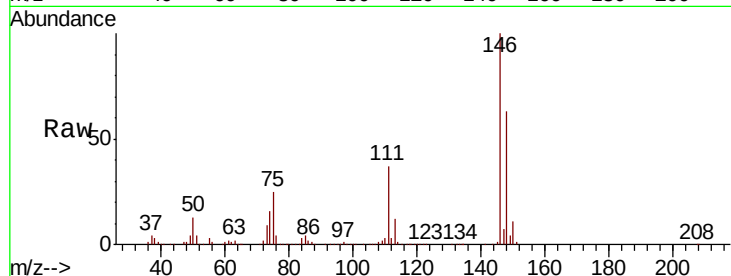




#87
 1,3-Dichlorobenzene
 Concen: 47.823 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX017353.D
 Acq: 13 Jul 2020 14:57

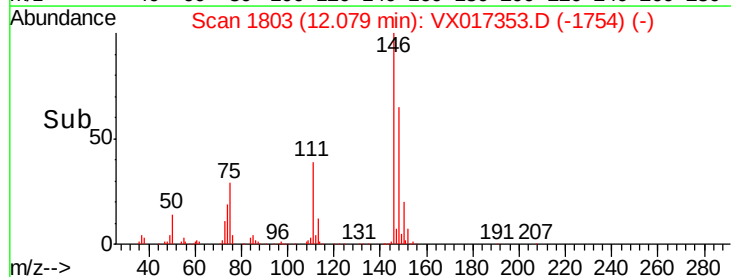
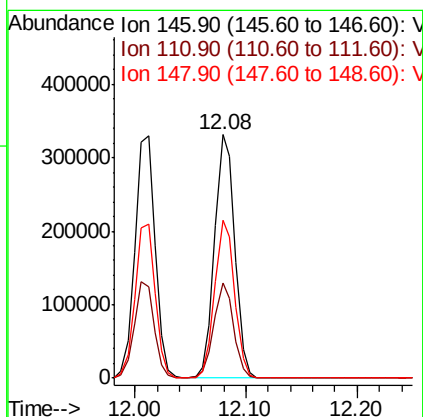
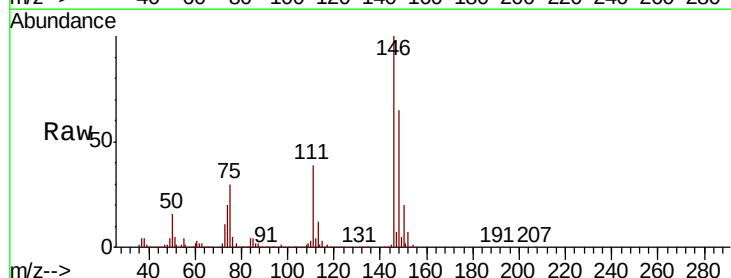
Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

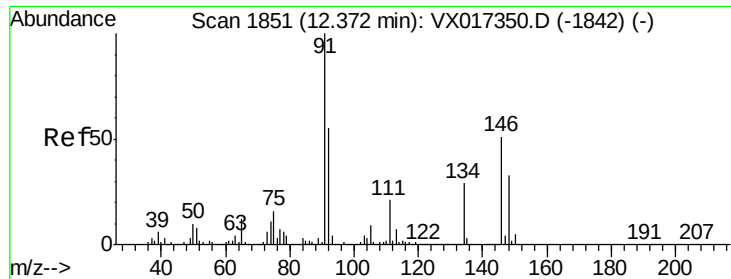
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.2	57.6
148	63.4	31.6	95.0



#88
 1,4-Dichlorobenzene
 Concen: 47.397 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX017353.D
 Acq: 13 Jul 2020 14:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.9	56.9
148	64.1	31.9	95.9

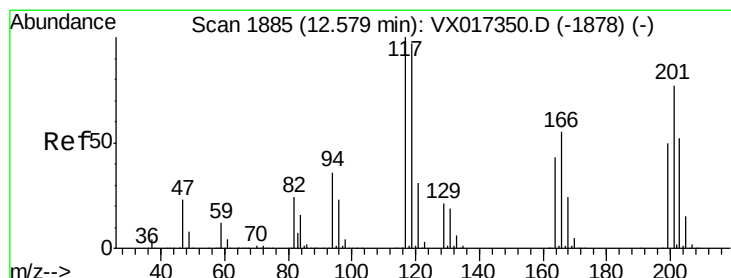
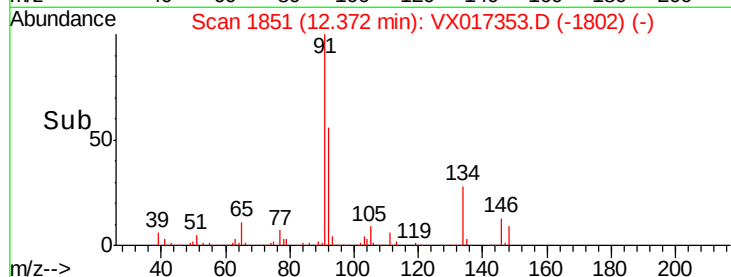
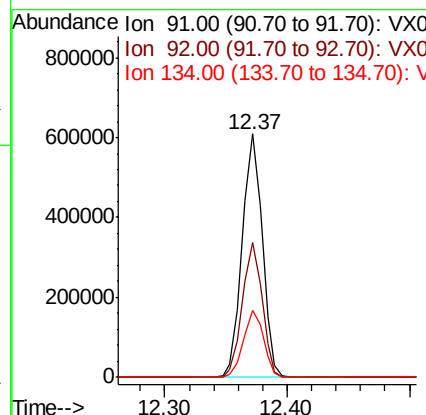
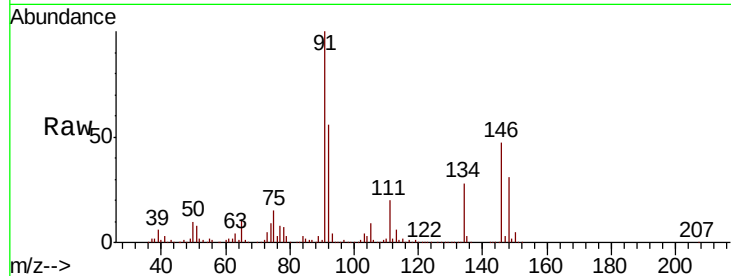




#89
n-Butylbenzene
Concen: 51.877 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX017353.D
Acq: 13 Jul 2020 14:57

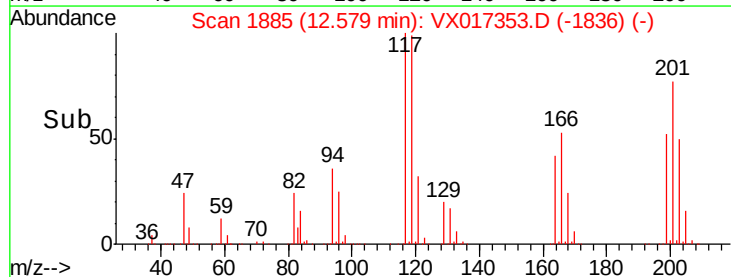
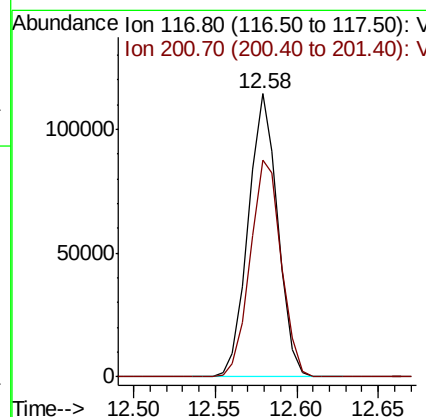
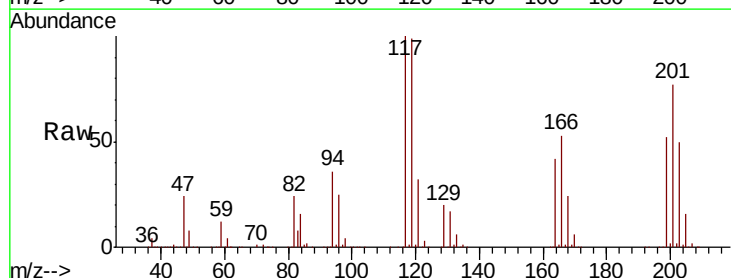
Instrument :
MSVOA_X
ClientSampled :
BFB

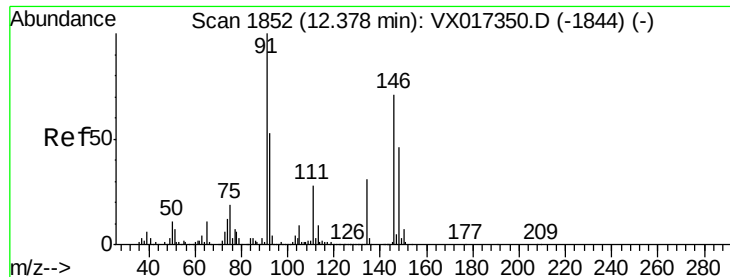
Tot Ion: 91 Resp: 685180
Ion Ratio Lower Upper
91 100
92 55.0 27.0 81.0
134 27.4 14.1 42.2



#90
Hexachloroethane
Concen: 48.931 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX017353.D
Acq: 13 Jul 2020 14:57

Tgt Ion: 117 Resp: 143862
Ion Ratio Lower Upper
117 100
201 80.8 41.0 123.0

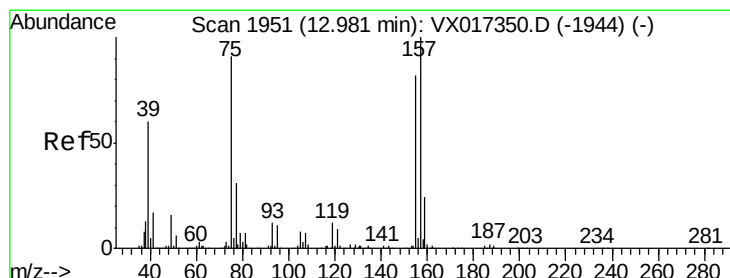
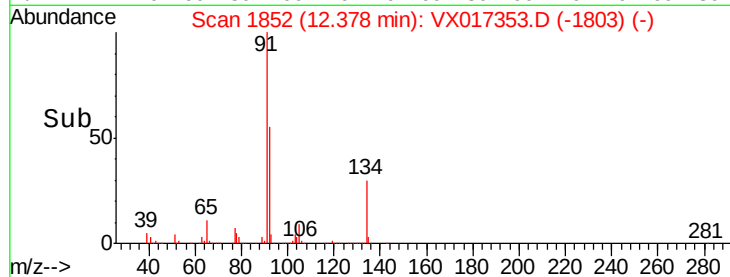
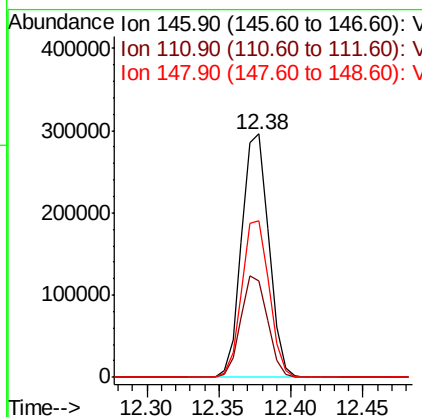
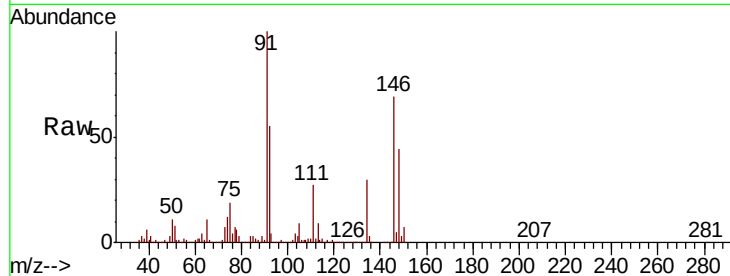




#91
 1,2-Dichlorobenzene
 Concen: 47.511 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX017353.D
 Acq: 13 Jul 2020 14:57

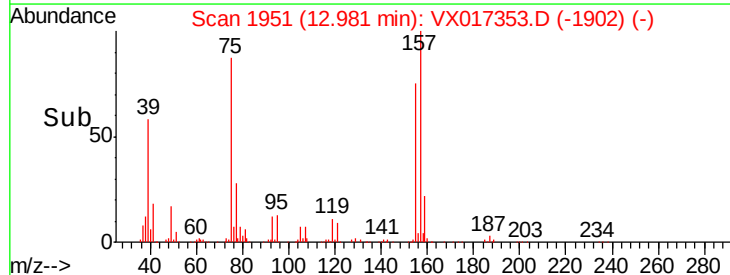
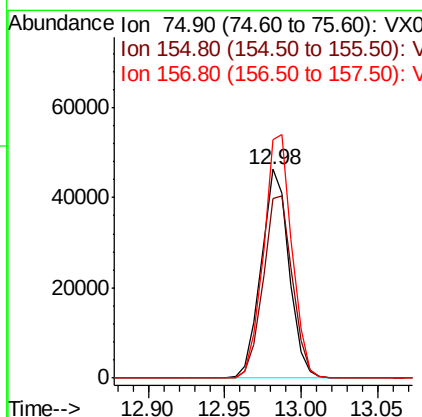
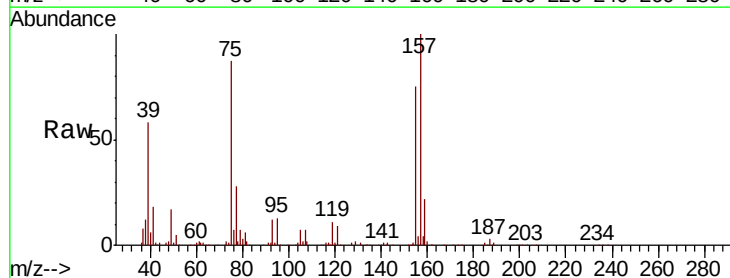
Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

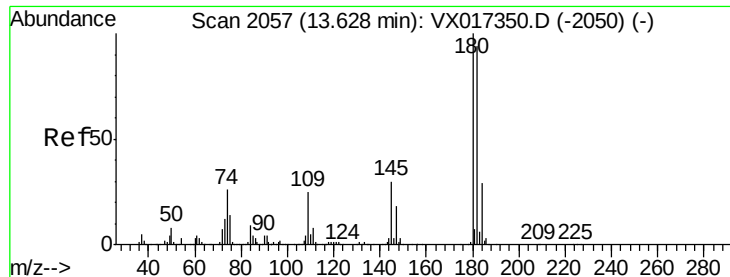
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.3	61.0
148	64.9	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.229 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX017353.D
 Acq: 13 Jul 2020 14:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.4	46.5	139.3
157	118.6	58.0	173.9





#93

1,2,4-Trichlorobenzene

Concen: 48.323 ug/l

RT: 13.63 min Scan# 2057

Delta R.T. 0.00 min

Lab File: VX017353.D

Acq: 13 Jul 2020 14:57

Instrument :

MSVOA_X

ClientSampleId :

BFB

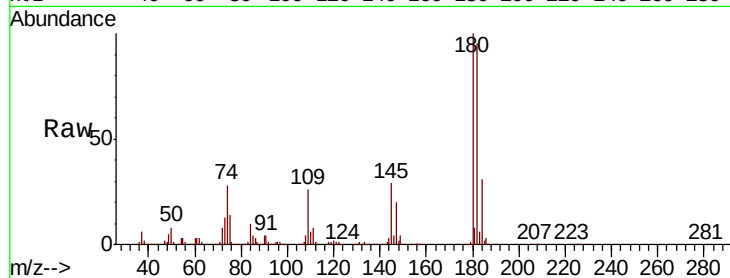
Tot Ion:180 Resp: 273633

Ion Ratio Lower Upper

180 100

182 95.0 48.4 145.0

145 30.7 15.3 45.8

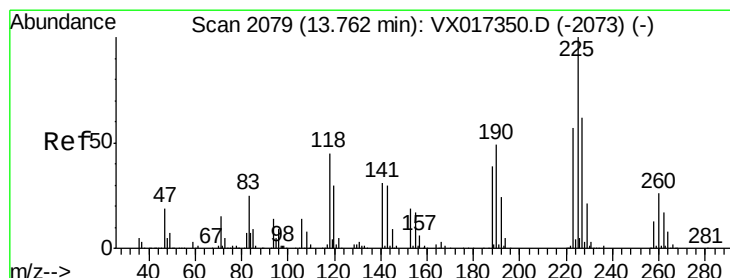
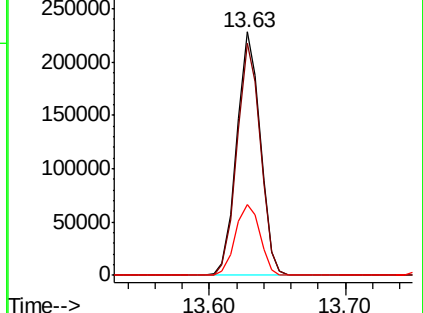
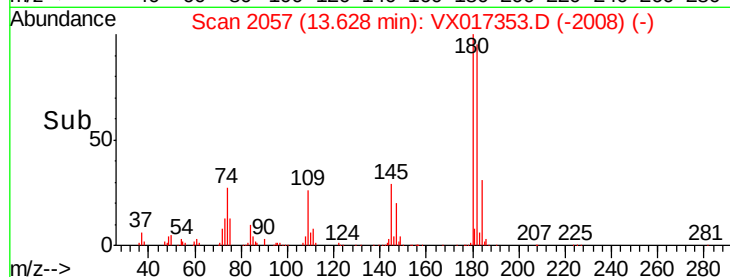


Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 48.731 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX017353.D

Acq: 13 Jul 2020 14:57

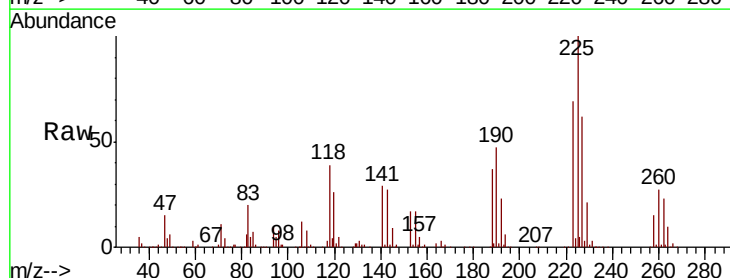
Tgt Ion:225 Resp: 112534

Ion Ratio Lower Upper

225 100

223 64.9 31.3 93.8

227 63.8 31.6 95.0

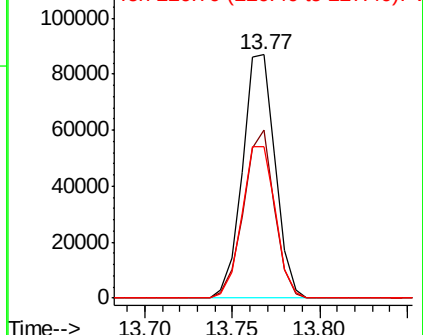
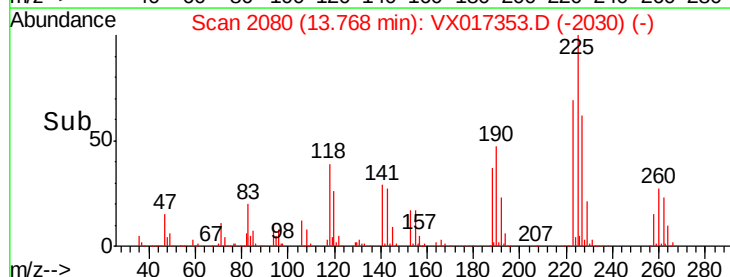


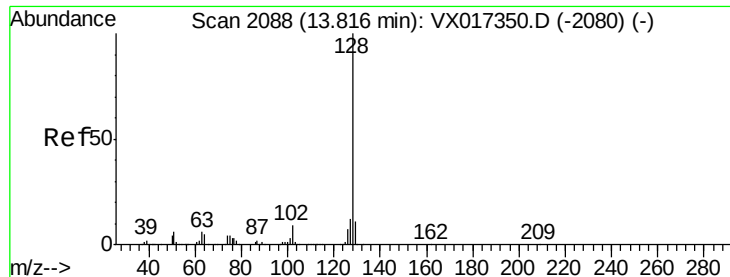
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 51.230 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX017353.D

Acq: 13 Jul 2020 14:57

Instrument :

MSVOA_X

ClientSampleId :

BFB

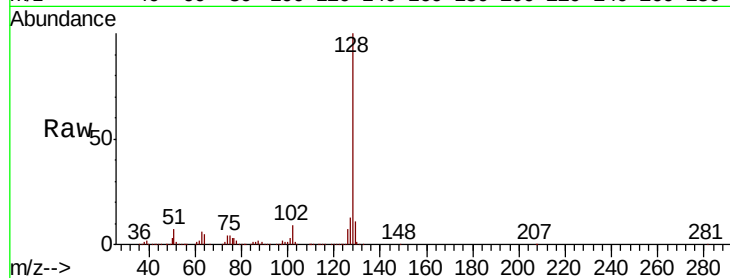
Tot Ion:128 Resp: 852941

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.4

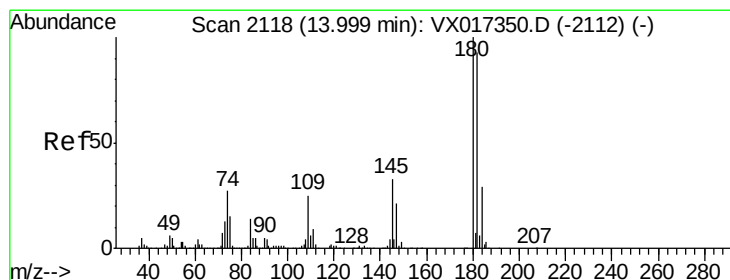
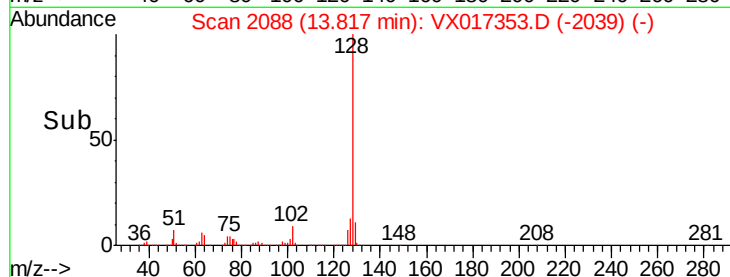
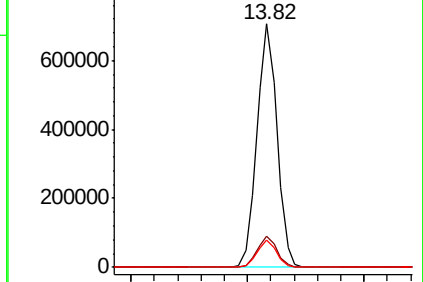
129 11.0 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.663 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VX017353.D

Acq: 13 Jul 2020 14:57

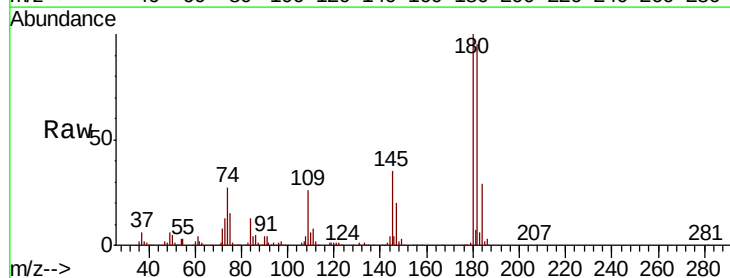
Tgt Ion:180 Resp: 271651

Ion Ratio Lower Upper

180 100

182 94.1 48.8 146.3

145 32.6 16.6 49.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

