

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041219\
 Data File : VX008874.D
 Acq On : 12 Apr 2019 10:10
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

Quant Time: Apr 13 04:55:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	169524	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	268063	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	240604	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	116117	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	112860	45.64	ug/l	0.00
Spiked Amount			Recovery	=	91.28%	
35) Dibromofluoromethane	5.49	113	82945	48.40	ug/l	0.00
Spiked Amount			Recovery	=	96.80%	
50) Toluene-d8	8.71	98	336079	49.25	ug/l	0.00
Spiked Amount			Recovery	=	98.50%	
62) 4-Bromofluorobenzene	11.13	95	125089	51.69	ug/l	0.00
Spiked Amount			Recovery	=	103.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	125562	64.346	ug/l	99
3) Chloromethane	1.32	50	146202	61.524	ug/l	99
4) Vinyl Chloride	1.41	62	135313	51.296	ug/l	99
5) Bromomethane	1.64	94	79041	60.418	ug/l	100
6) Chloroethane	1.71	64	79036	55.176	ug/l	99
7) Trichlorofluoromethane	1.92	101	153019	52.476	ug/l	100
8) Diethyl Ether	2.18	74	67728	48.978	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	97389	51.875	ug/l	98
10) Methyl Iodide	2.51	142	114012	65.345	ug/l	99
11) Tert butyl alcohol	3.05	59	142668	246.460	ug/l	100
12) 1,1-Dichloroethene	2.37	96	95998	48.983	ug/l	98
13) Acrolein	2.29	56	90440	315.085	ug/l	99
14) Allyl chloride	2.72	41	233325	52.005	ug/l	99
15) Acrylonitrile	3.14	53	370798	241.795	ug/l	99
16) Acetone	2.44	43	333246	233.997	ug/l	99
17) Carbon Disulfide	2.57	76	303173	53.623	ug/l	100
18) Methyl Acetate	2.77	43	162463	47.037	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	365091	52.163	ug/l	99
20) Methylene Chloride	2.85	84	116425	48.839	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	106406	50.194	ug/l	94
22) Diisopropyl ether	3.85	45	442813	51.207	ug/l	99
23) Vinyl Acetate	3.81	43	1987239	264.165	ug/l	100
24) 1,1-Dichloroethane	3.69	63	216735	50.622	ug/l	99
25) 2-Butanone	4.67	43	557159	247.526	ug/l	99
26) 2,2-Dichloropropane	4.57	77	164804	54.652	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	120213	49.322	ug/l	99
28) Bromochloromethane	5.01	49	88932	49.708	ug/l	99
29) Tetrahydrofuran	5.12	42	361462	241.946	ug/l	99
30) Chloroform	5.21	83	194904	50.968	ug/l	98
31) Cyclohexane	5.57	56	222212	52.014	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	162273	52.512	ug/l	100
36) 1,1-Dichloropropene	5.79	75	157959	53.907	ug/l	100
37) Ethyl Acetate	4.83	43	209512	53.567	ug/l	100
38) Carbon Tetrachloride	5.78	117	137422	56.664	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	205374	56.737	ug/l	99
40) Benzene	6.13	78	473096	54.196	ug/l	99
41) Methacrylonitrile	5.04	41	118767	52.828	ug/l	99
42) 1,2-Dichloroethane	6.19	62	165251	52.804	ug/l	100
43) Isopropyl Acetate	6.44	43	337102	55.020	ug/l	99
44) Trichloroethene	7.21	130	112850	55.505	ug/l	98
45) 1,2-Dichloropropane	7.51	63	133205	53.462	ug/l	99
46) Dibromomethane	7.66	93	74985	51.890	ug/l	98
47) Bromodichloromethane	7.89	83	151555	55.623	ug/l	99
48) Methyl methacrylate	7.76	41	171364	55.291	ug/l	99
49) 1,4-Dioxane	7.74	88	58053	999.904	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	1076227	272.869	ug/l	100
52) Toluene	8.78	92	288428	56.044	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	180509	59.142	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	200150	57.391	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	113509	54.946	ug/l	98
56) Ethyl methacrylate	9.18	69	211584	56.608	ug/l	99
57) 1,3-Dichloropropane	9.37	76	200256	53.985	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	503952	264.049	ug/l	99
59) 2-Hexanone	9.49	43	818006	266.872	ug/l	100
60) Dibromochloromethane	9.58	129	112127	57.600	ug/l	98
61) 1,2-Dibromoethane	9.67	107	115644	53.773	ug/l	98
64) Tetrachloroethene	9.34	164	102954	57.754	ug/l	99
65) Chlorobenzene	10.13	112	295879	55.476	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	104827	56.025	ug/l	99
67) Ethyl Benzene	10.25	91	555838	55.890	ug/l	99
68) m/p-Xylenes	10.36	106	406222	113.603	ug/l	98
69) o-Xylene	10.69	106	193475	55.831	ug/l	100
70) Styrene	10.71	104	342627	57.359	ug/l	100
71) Bromoform	10.85	173	84834	59.365	ug/l #	98
73) Isopropylbenzene	11.02	105	524570	54.512	ug/l	100
74) N-amyl acetate	10.90	43	296490	52.369	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	177370	48.465	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	218378	68.460	ug/l	80
77) Bromobenzene	11.26	156	126054	54.489	ug/l	98
78) n-propylbenzene	11.36	91	623233	55.623	ug/l	99
79) 2-Chlorotoluene	11.42	91	360980	53.237	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	445366	55.135	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	66174	57.185	ug/l	97
82) 4-Chlorotoluene	11.51	91	420160	53.532	ug/l	99
83) tert-Butylbenzene	11.77	119	418093	53.799	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	447336	54.692	ug/l	99
85) sec-Butylbenzene	11.94	105	514687	55.757	ug/l	99
86) p-Isopropyltoluene	12.06	119	471986	56.968	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	224229	54.143	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	223479	53.289	ug/l	100
89) n-Butylbenzene	12.38	91	453474	58.362	ug/l	100
90) Hexachloroethane	12.60	117	77558	56.440	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	219248	53.320	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	39396	48.934	ug/l	99

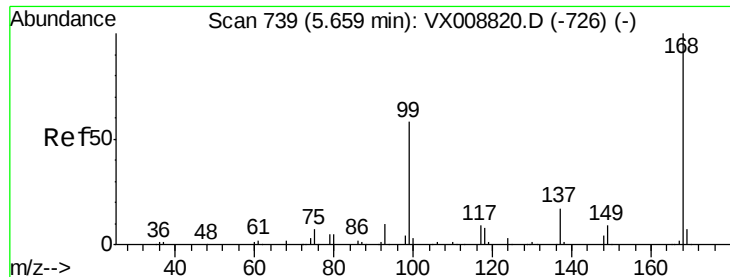
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041219\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	160727	56.218	ug/l	99
94) Hexachlorobutadiene	13.78	225	82872	60.441	ug/l	99
95) Naphthalene	13.83	128	503686	52.712	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	159180	55.725	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Instrument :

MSVOA_X

ClientSampleId :

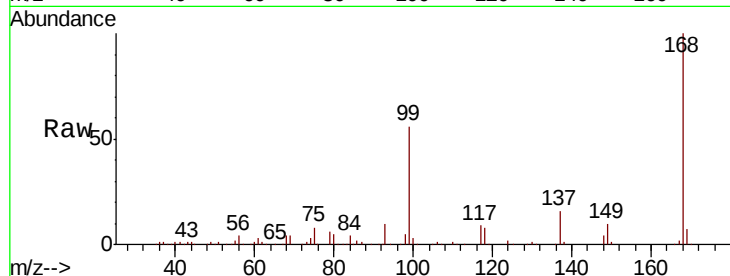
BFB

Tot Ion:168 Resp: 169524

Ion Ratio Lower Upper

168 100

99 55.5 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

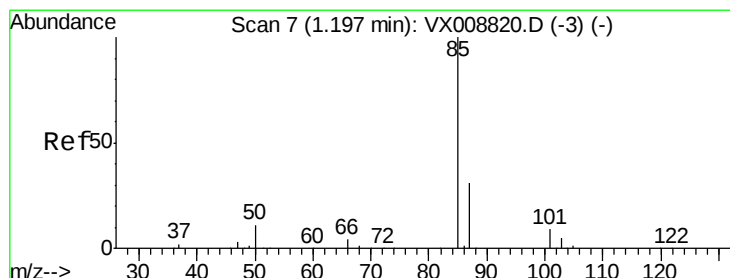
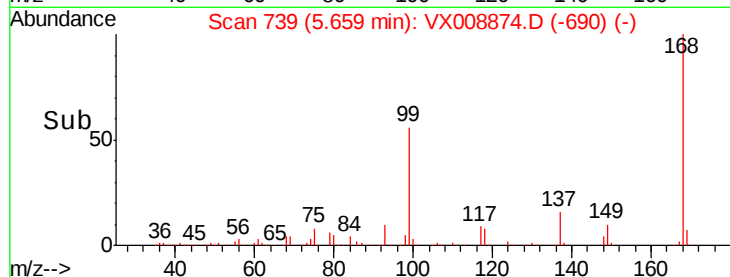
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 64.346 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008874.D

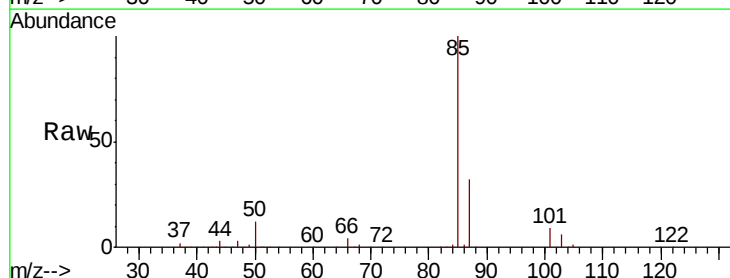
Acq: 12 Apr 2019 10:10

Tgt Ion: 85 Resp: 125562

Ion Ratio Lower Upper

85 100

87 32.0 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

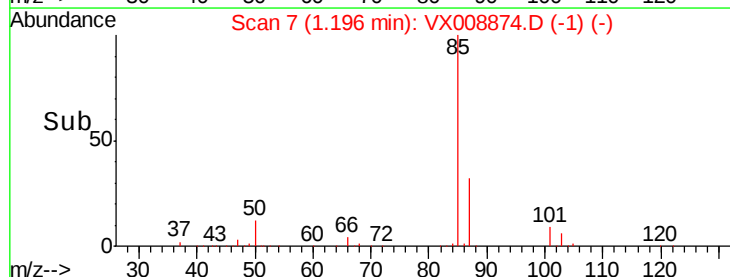
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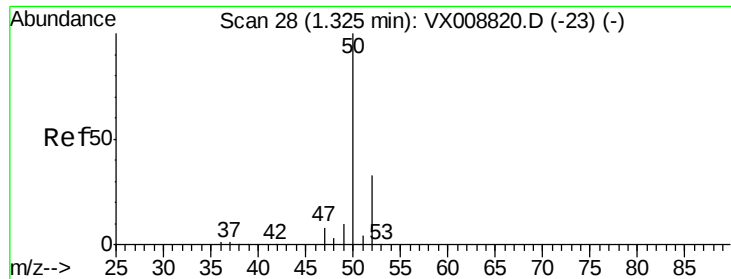
50000

0

Time-->

1.15 1.20 1.25 1.30 1.35





#3

Chloromethane

Concen: 61.524 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Instrument :

MSVOA_X

ClientSampled :

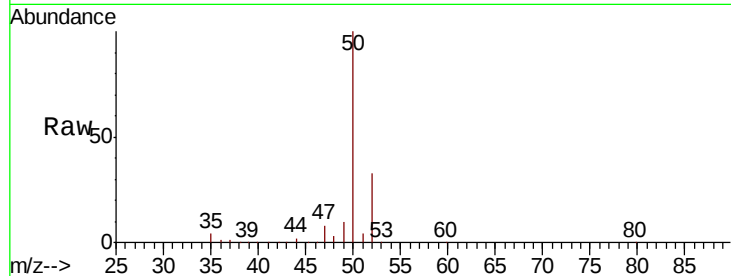
BFB

Tot Ion: 50 Resp: 146202

Ion Ratio Lower Upper

50 100

52 32.8 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

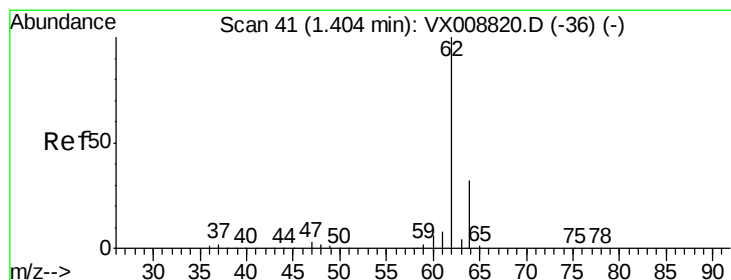
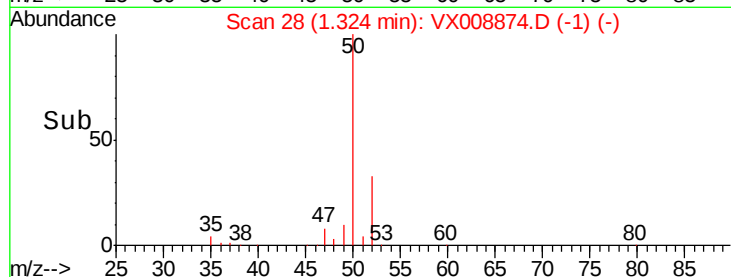
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 51.296 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008874.D

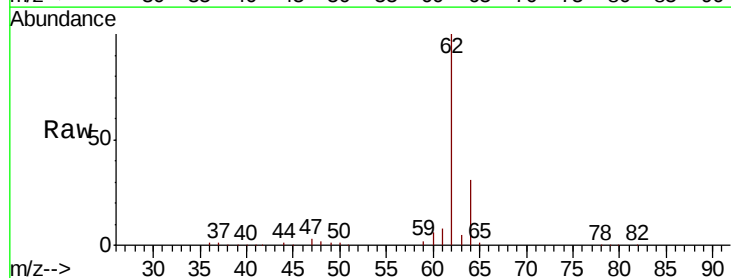
Acq: 12 Apr 2019 10:10

Tgt Ion: 62 Resp: 135313

Ion Ratio Lower Upper

62 100

64 30.6 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

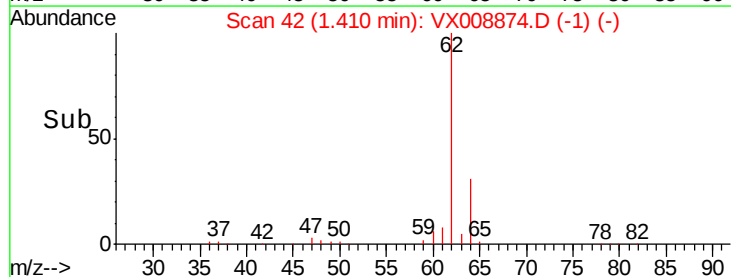
1.41

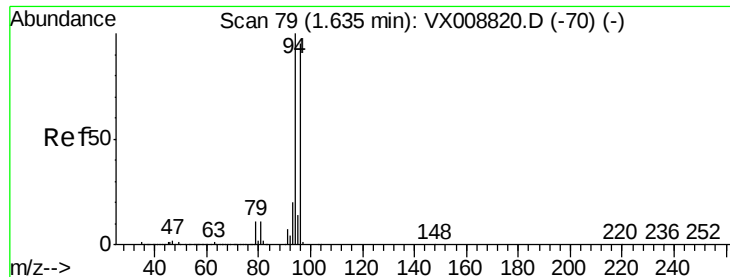
100000

50000

0

Time--> 1.35 1.40 1.45 1.50





#5

Bromomethane

Concen: 60.418 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Instrument :

MSVOA_X

ClientSampleId :

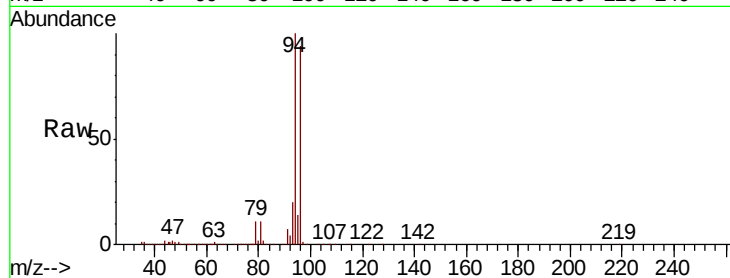
BFB

Tot Ion: 94 Resp: 79041

Ion Ratio Lower Upper

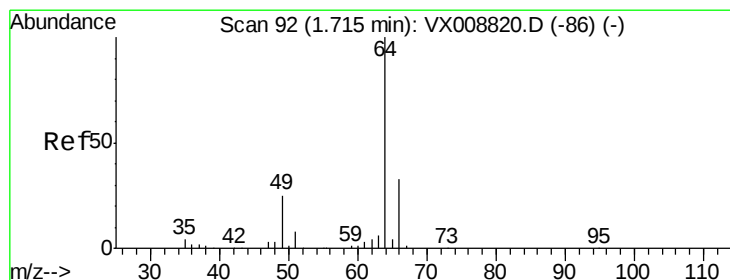
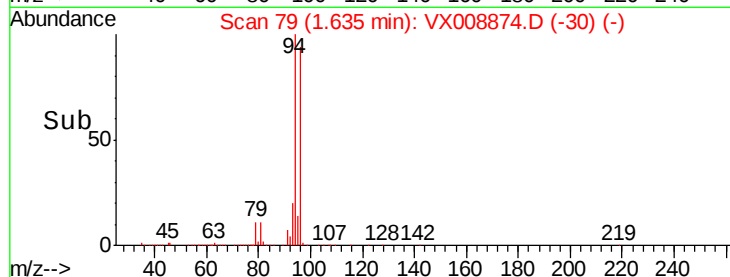
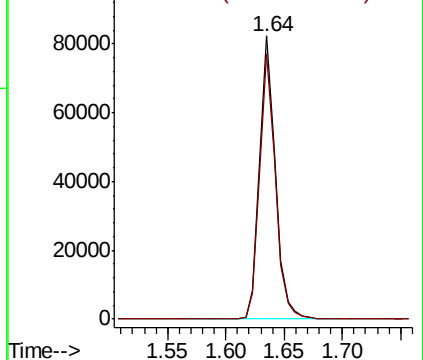
94 100

96 93.7 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 55.176 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX008874.D

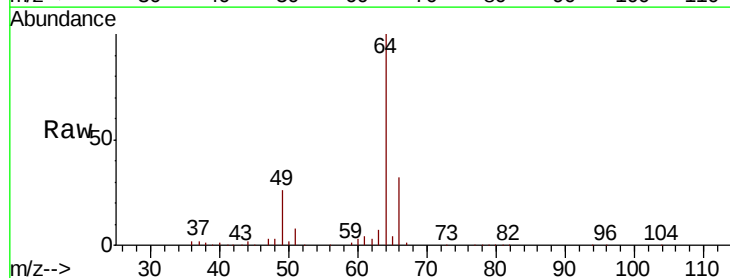
Acq: 12 Apr 2019 10:10

Tgt Ion: 64 Resp: 79036

Ion Ratio Lower Upper

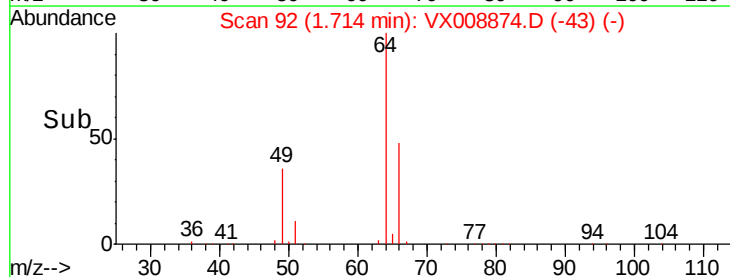
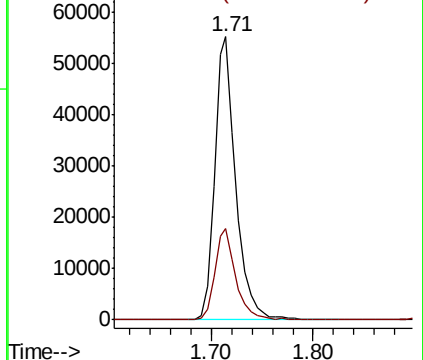
64 100

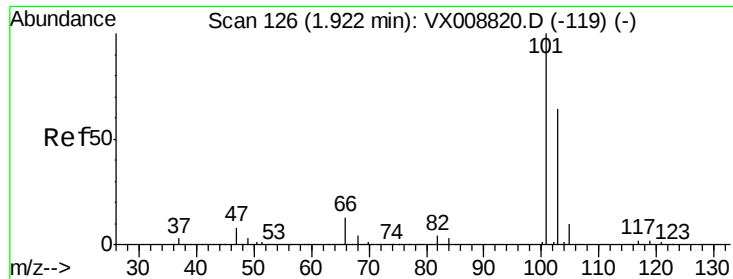
66 32.1 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



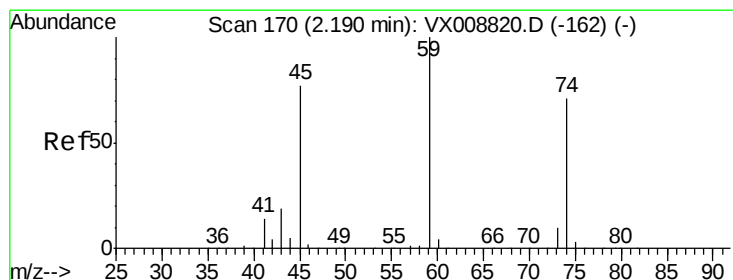
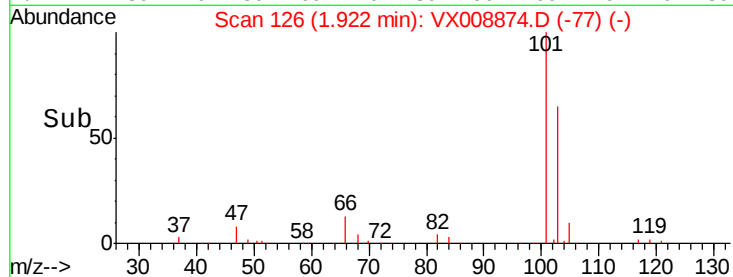
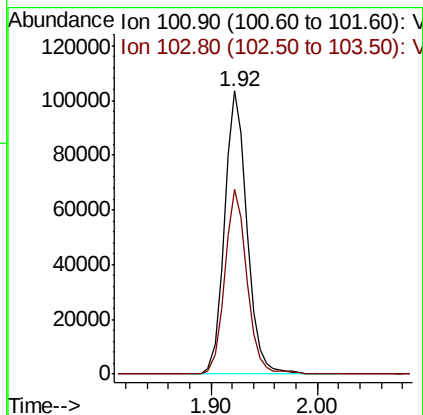
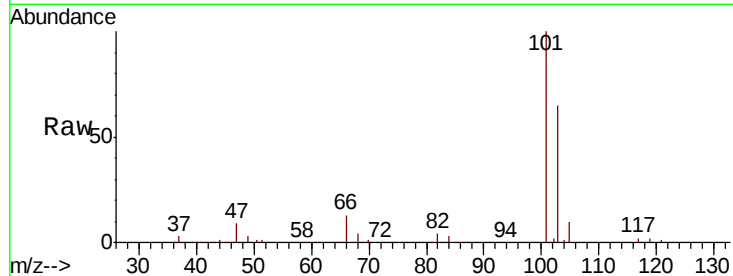


#7

Trichlorofluoromethane
 Concen: 52.476 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.00 min
 Lab File: VX008874.D
 Acq: 12 Apr 2019 10:10

Instrument :
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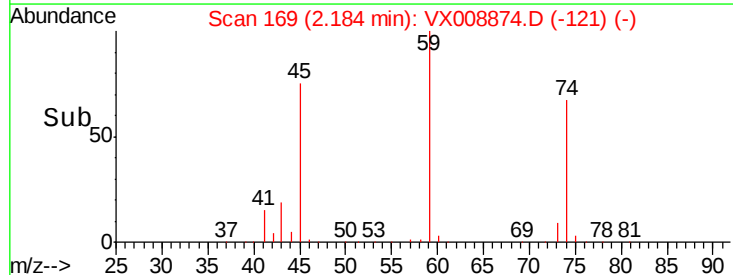
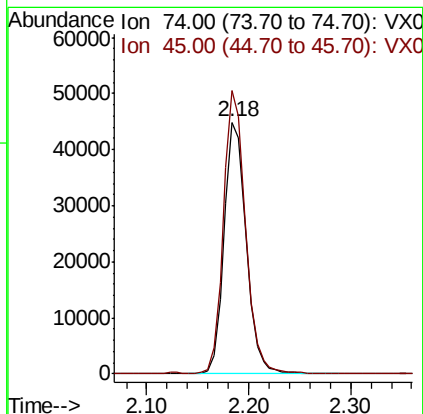
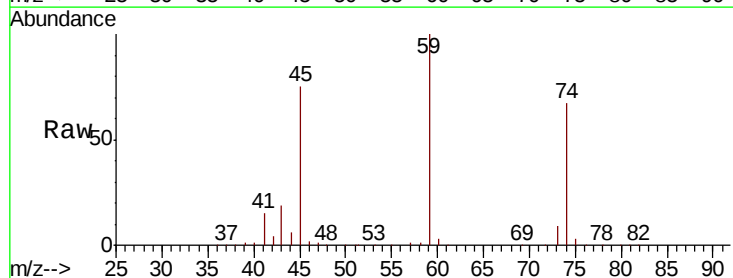
Tot Ion:101 Resp: 153019
 Ion Ratio Lower Upper
 101 100
 103 65.2 52.3 78.5

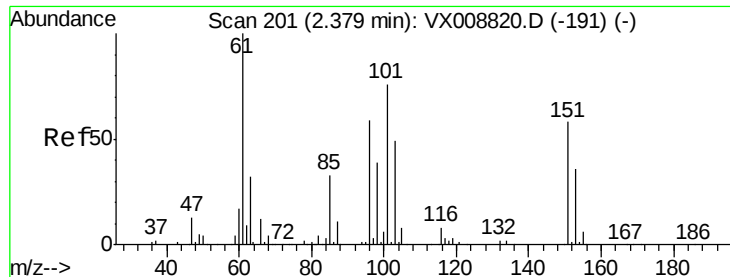


#8

Diethyl Ether
 Concen: 48.978 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.01 min
 Lab File: VX008874.D
 Acq: 12 Apr 2019 10:10

Tgt Ion: 74 Resp: 67728
 Ion Ratio Lower Upper
 74 100
 45 110.3 56.5 169.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.875 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Instrument :

MSVOA_X

ClientSampleId :

BFB

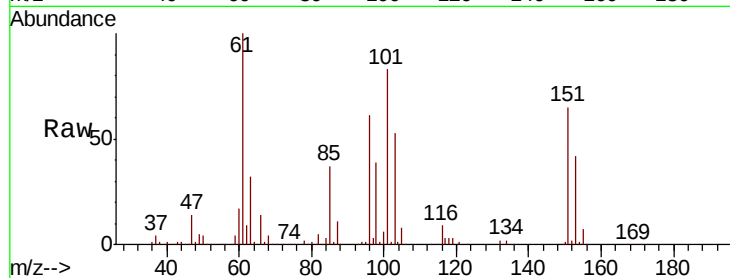
Tot Ion:101 Resp: 97389

Ion Ratio Lower Upper

101 100

85 43.7 36.0 54.0

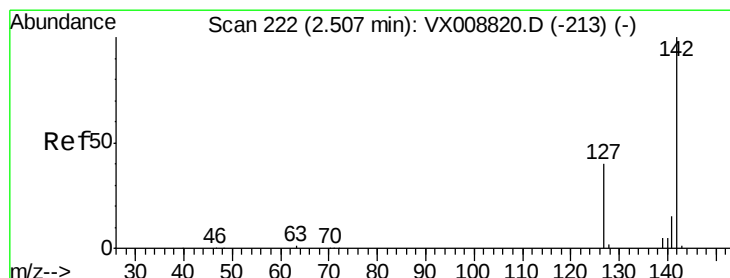
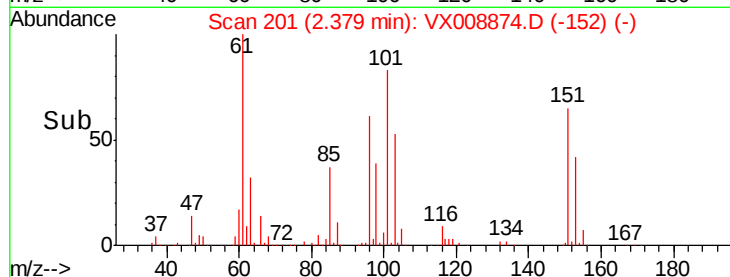
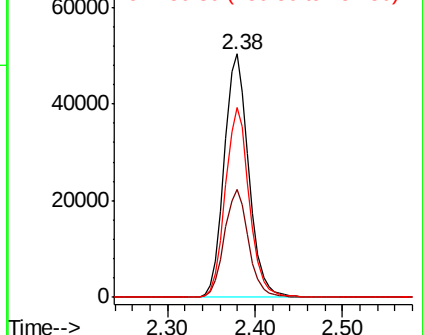
151 76.9 59.9 89.9



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: 65.345 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

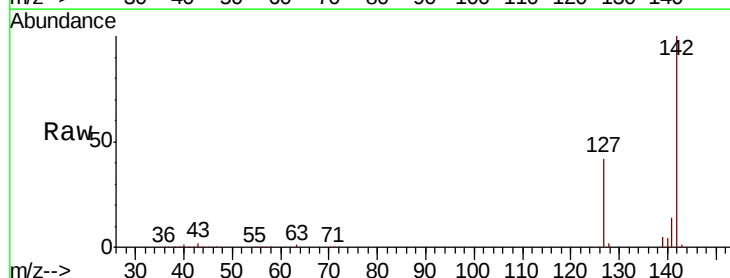
Tgt Ion:142 Resp: 114012

Ion Ratio Lower Upper

142 100

127 41.6 33.0 49.6

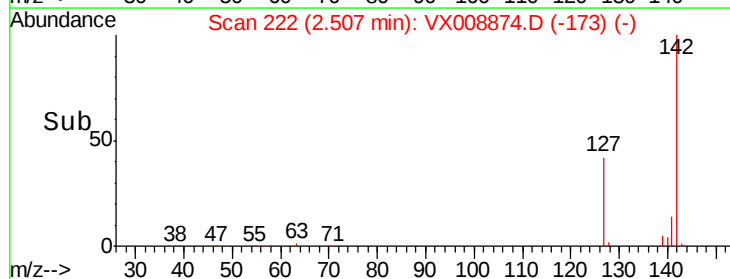
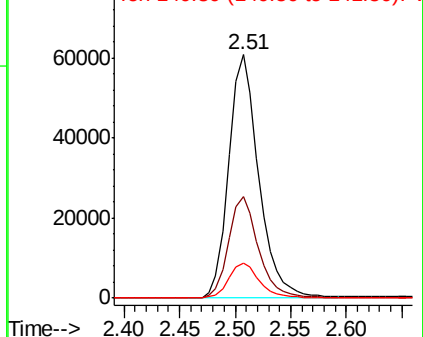
141 14.6 11.4 17.2

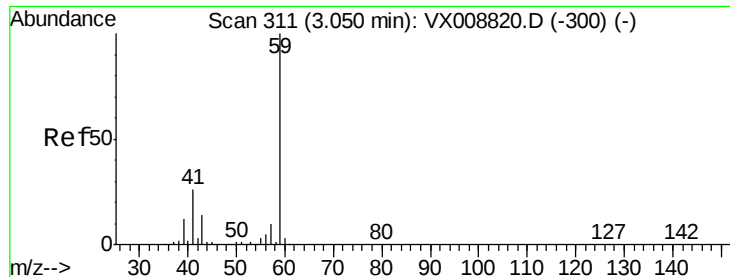


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



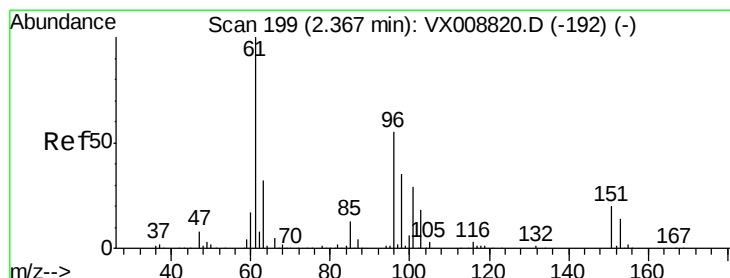
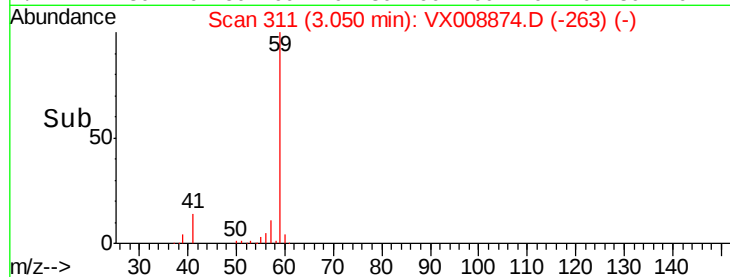
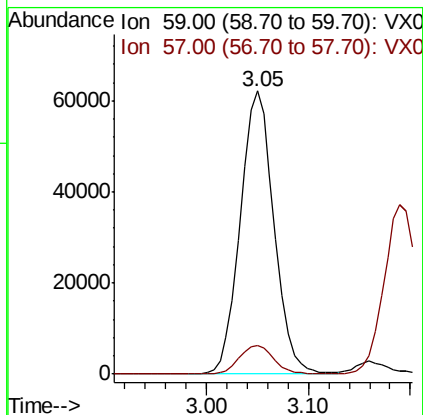
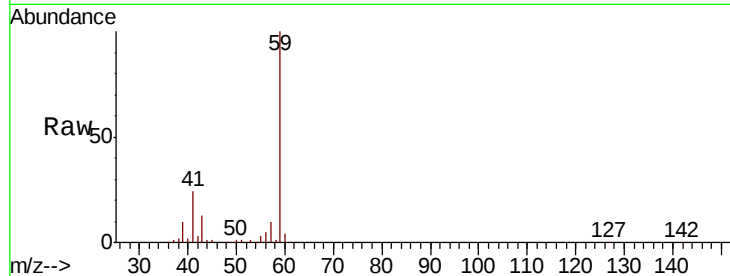


#11

Tert butyl alcohol
 Concen: 246.460 ug/l
 RT: 3.05 min Scan# 311
 Delta R.T. -0.01 min
 Lab File: VX008874.D
 Acq: 12 Apr 2019 10:10

Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

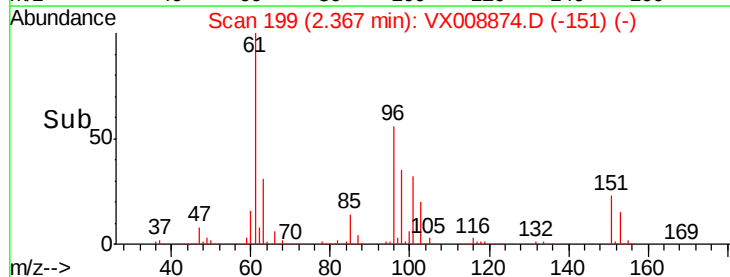
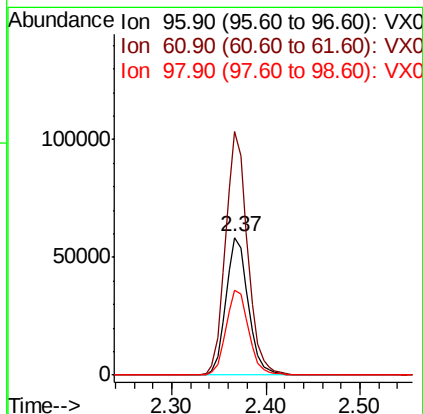
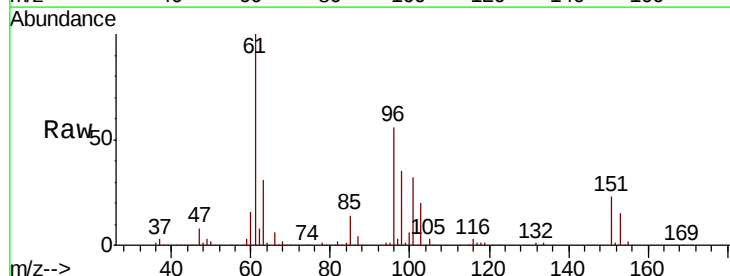
Tot Ion: 59 Resp: 142668
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.3 12.5

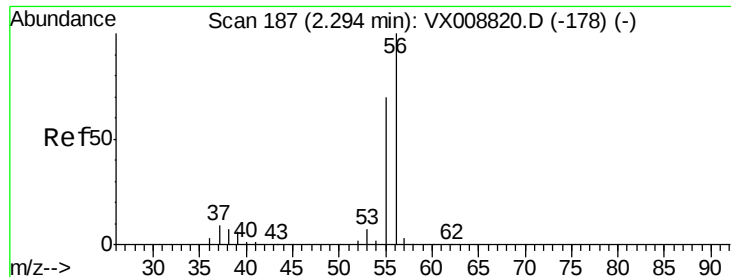


#12

1,1-Dichloroethene
 Concen: 48.983 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. -0.01 min
 Lab File: VX008874.D
 Acq: 12 Apr 2019 10:10

Tgt Ion: 96 Resp: 95998
 Ion Ratio Lower Upper
 96 100
 61 177.2 140.9 211.3
 98 62.0 52.1 78.1





#13

Acrolein

Concen: 315.085 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Instrument :

MSVOA_X

ClientSampleId :

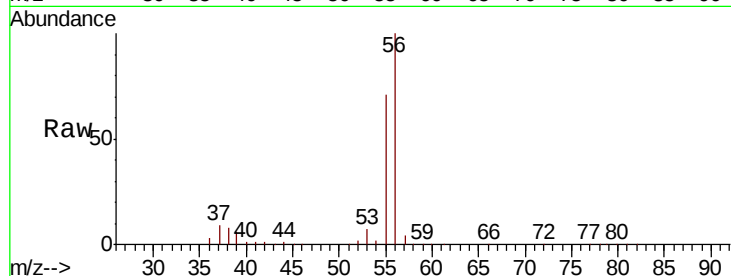
BFB

Tot Ion: 56 Resp: 90440

Ion Ratio Lower Upper

56 100

55 71.9 58.0 87.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

60000

50000

40000

30000

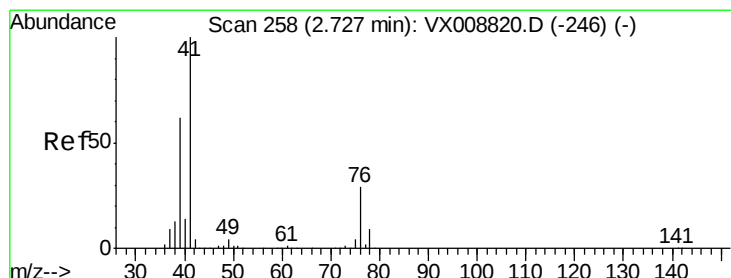
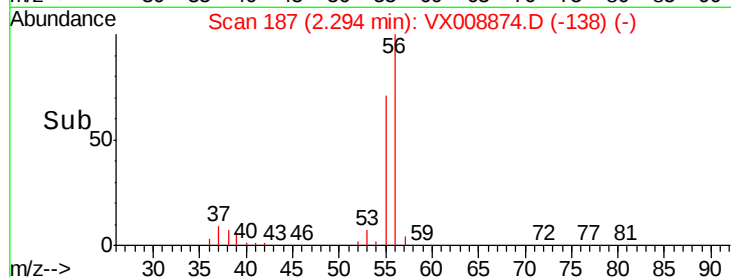
20000

10000

0

Time-->

2.20 2.30 2.40



#14

Allyl chloride

Concen: 52.005 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

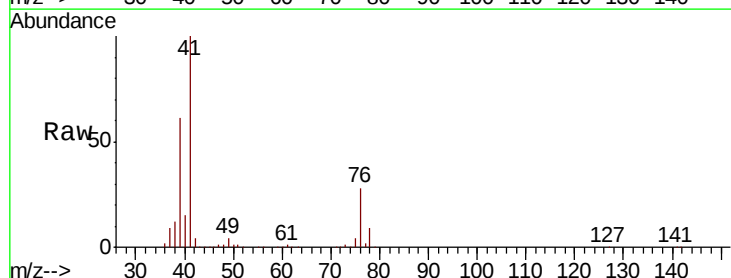
Tgt Ion: 41 Resp: 233325

Ion Ratio Lower Upper

41 100

39 58.9 48.0 72.0

76 27.4 22.0 33.0



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

200000

150000

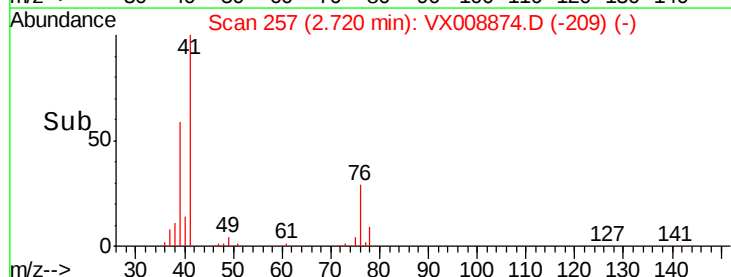
100000

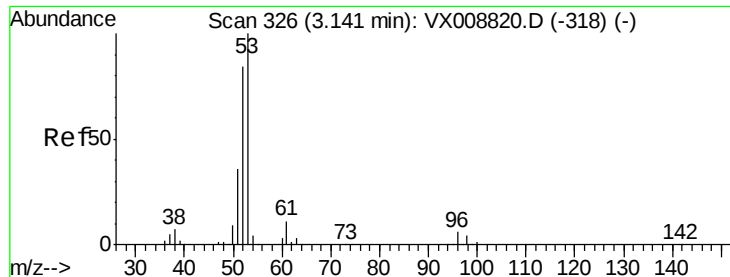
50000

0

Time-->

2.60 2.70 2.80





#15

Acrylonitrile

Concen: 241.795 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Instrument :

MSVOA_X

ClientSampleId :

BFB

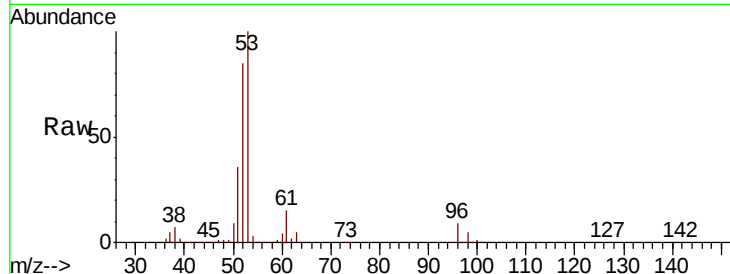
Tot Ion: 53 Resp: 370798

Ion Ratio Lower Upper

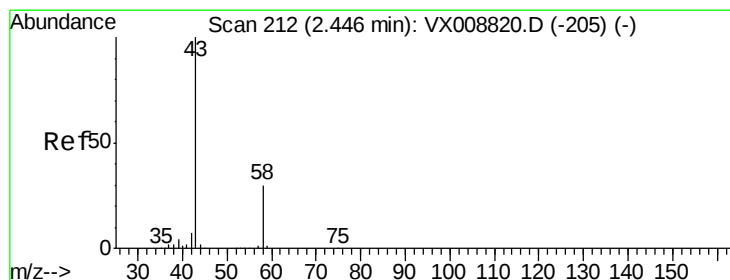
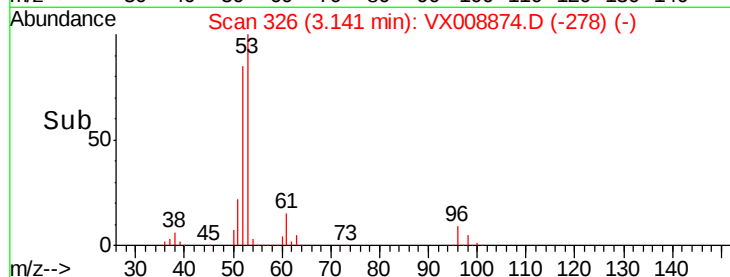
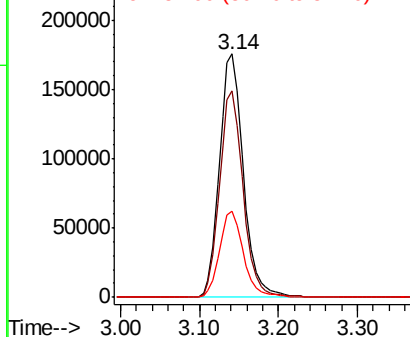
53 100

52 83.7 66.5 99.7

51 35.5 28.6 42.8



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: 233.997 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008874.D

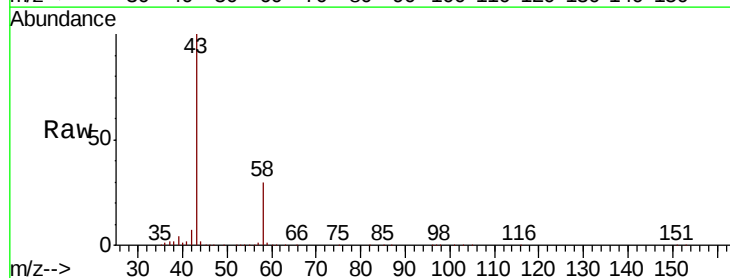
Acq: 12 Apr 2019 10:10

Tgt Ion: 43 Resp: 333246

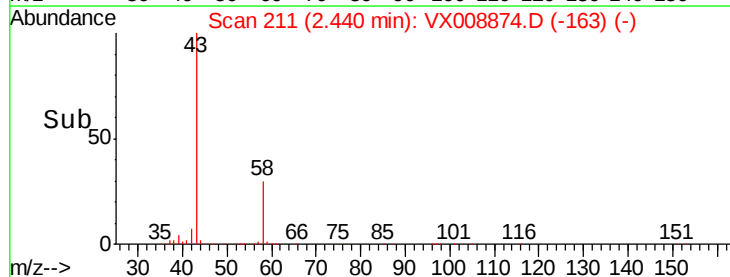
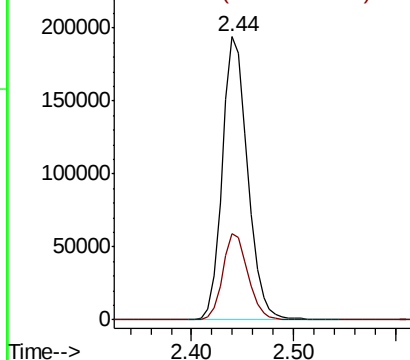
Ion Ratio Lower Upper

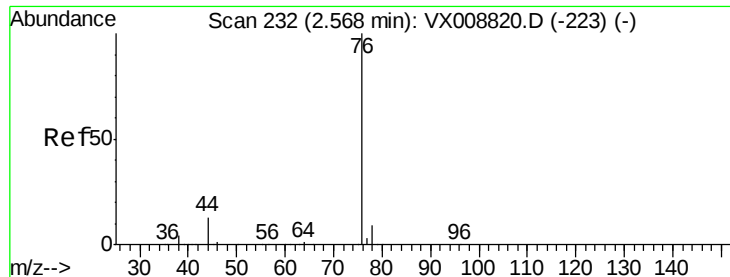
43 100

58 30.3 24.8 37.2



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





#17

Carbon Disulfide

Concen: 53.623 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Instrument :

MSVOA_X

ClientSampleId :

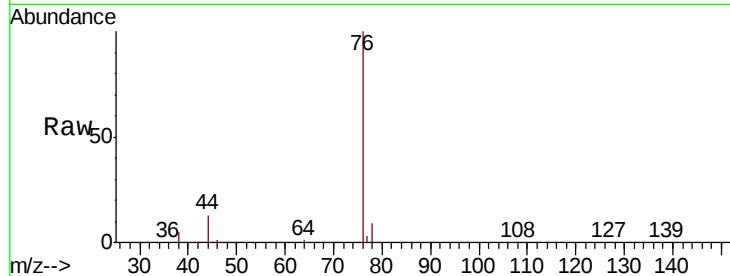
BFB

Tot Ion: 76 Resp: 303173

Ion Ratio Lower Upper

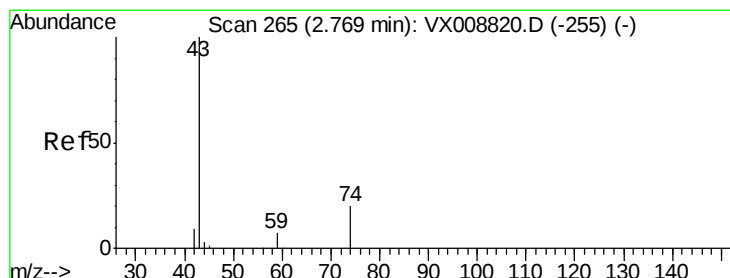
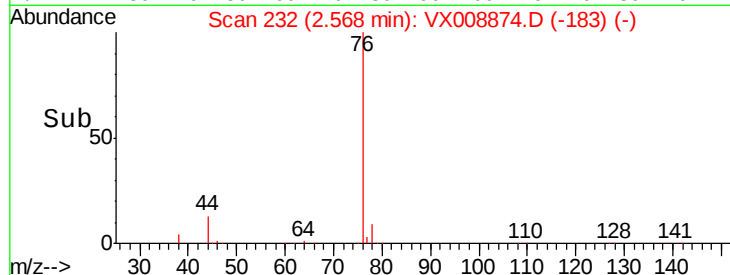
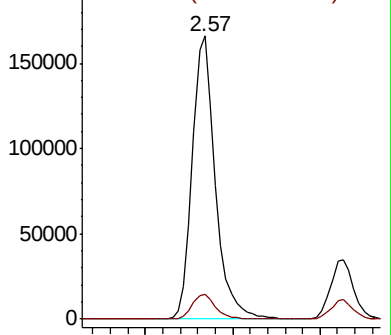
76 100

78 8.9 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 47.037 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX008874.D

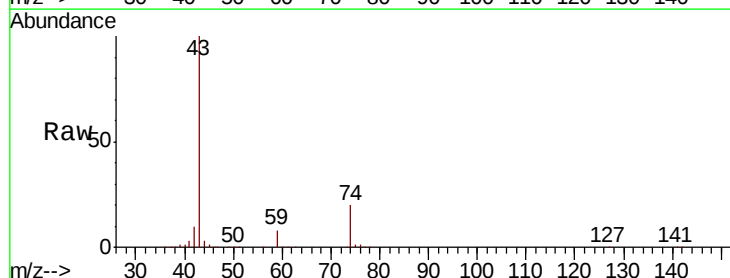
Acq: 12 Apr 2019 10:10

Tgt Ion: 43 Resp: 162463

Ion Ratio Lower Upper

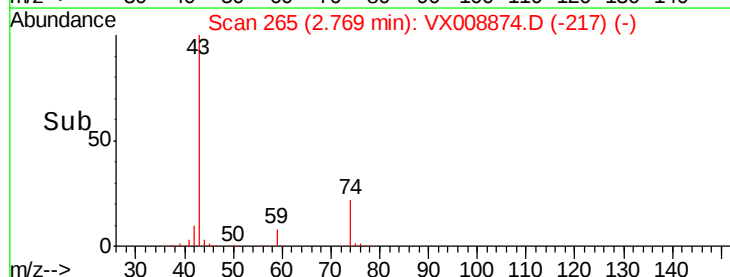
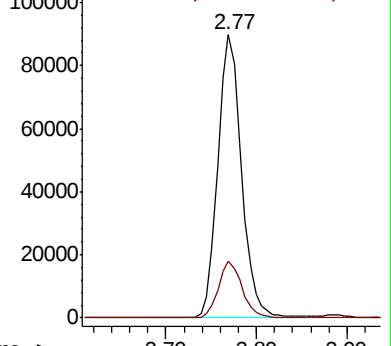
43 100

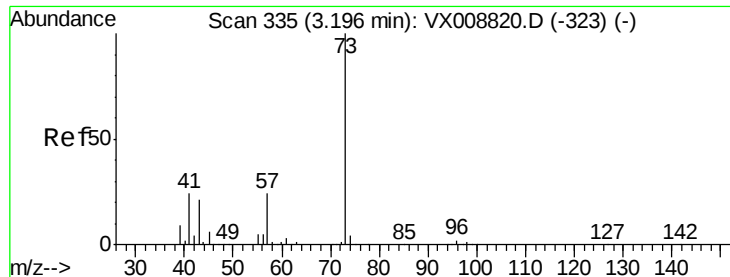
74 20.5 16.5 24.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

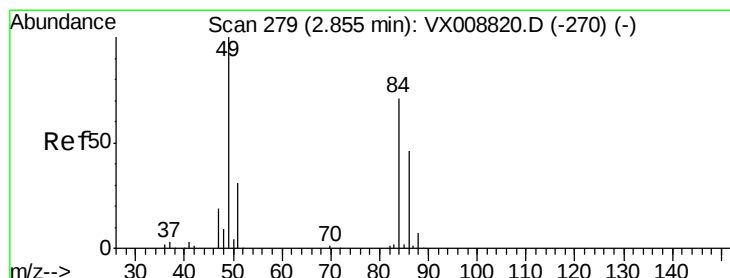
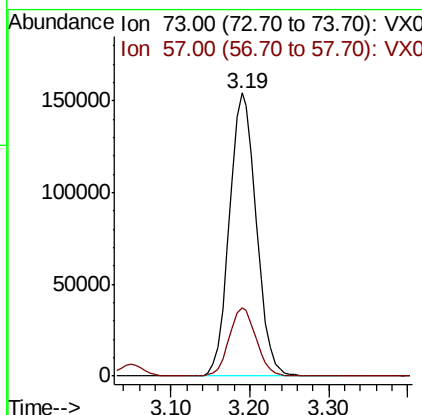
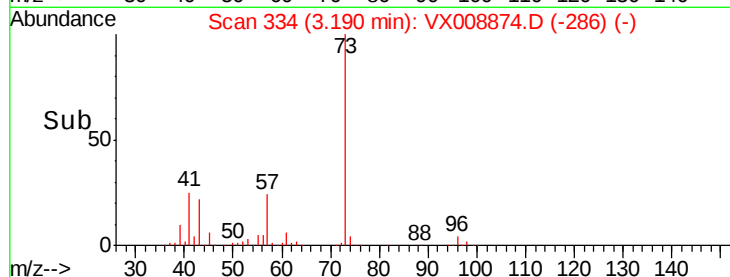
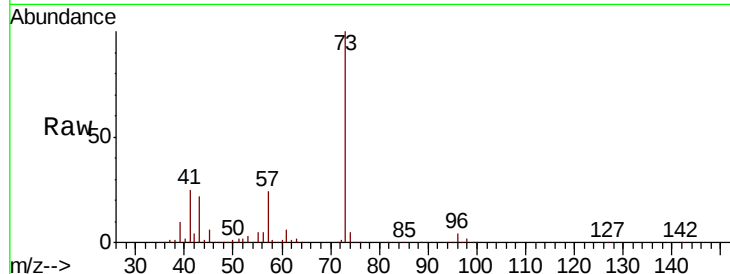




#19
Methyl tert-butyl Ether
Concen: 52.163 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

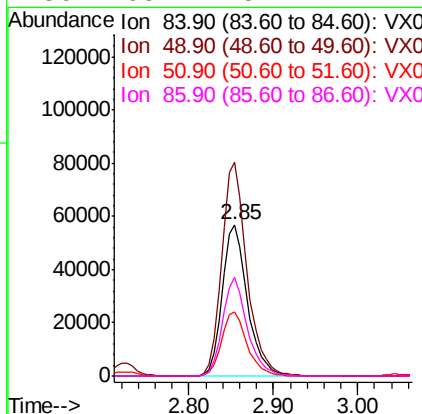
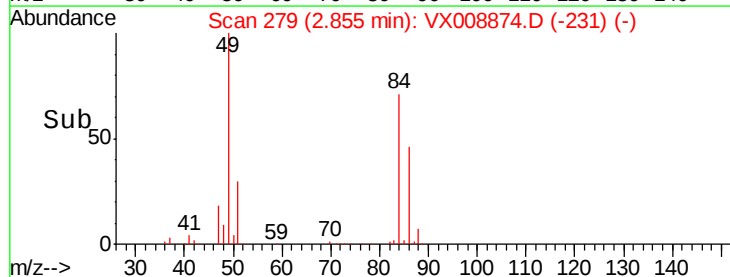
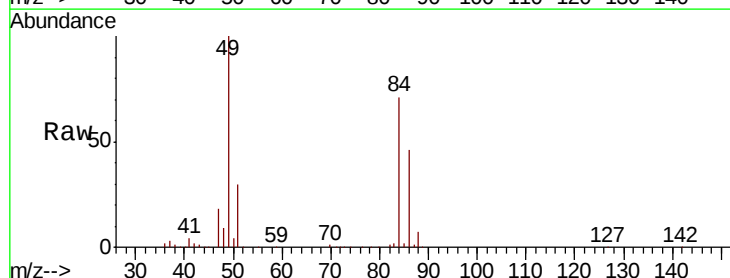
Instrument :
MSVOA_X
ClientSampleId :
BFB

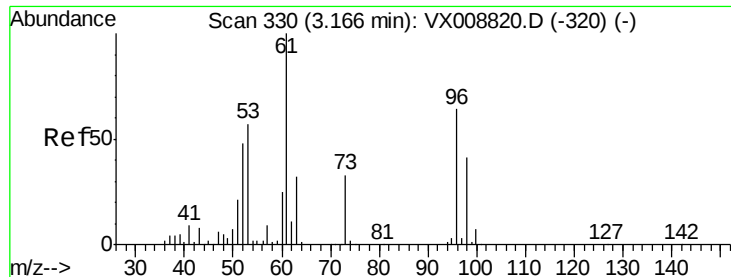
Tot Ion: 73 Resp: 365091
Ion Ratio Lower Upper
73 100
57 24.0 19.5 29.3



#20
Methylene Chloride
Concen: 48.839 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

Tgt Ion: 84 Resp: 116425
Ion Ratio Lower Upper
84 100
49 141.1 109.7 164.5
51 42.6 33.6 50.4
86 65.4 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 50.194 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Instrument :

MSVOA_X

ClientSampleId :

BFB

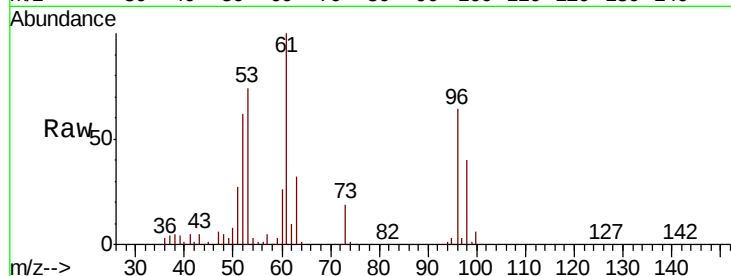
Tot Ion: 96 Resp: 106406

Ion Ratio Lower Upper

96 100

61 155.4 132.1 198.1

98 61.6 52.2 78.2

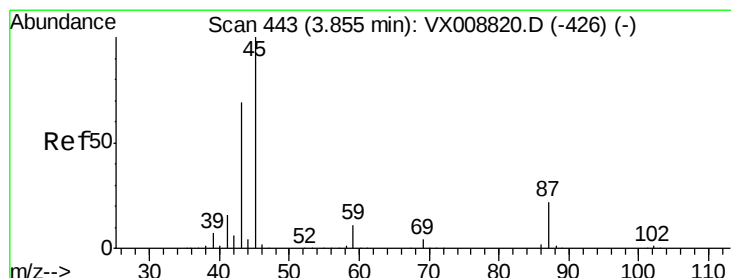
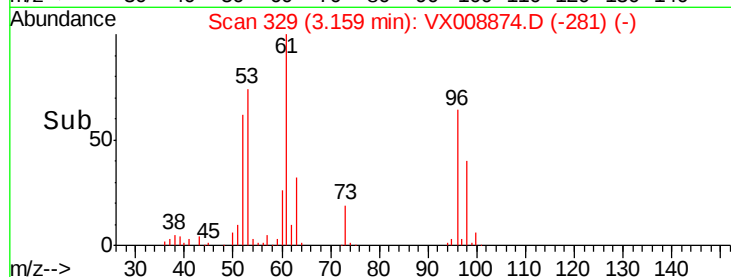
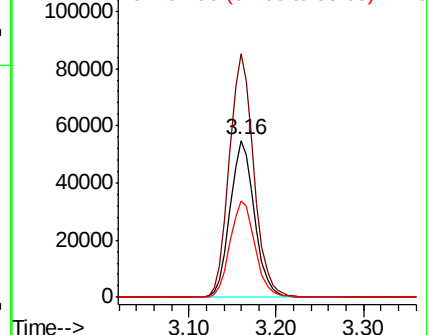


Abundance

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: 51.207 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.01 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Tgt Ion: 45 Resp: 442813

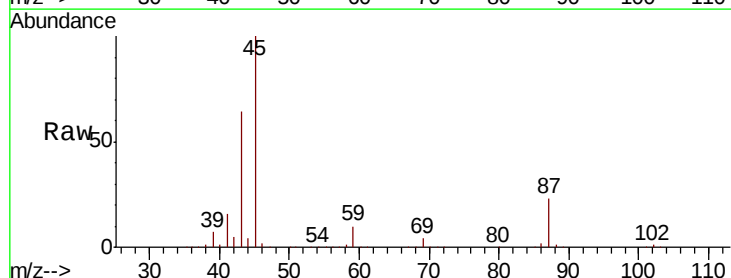
Ion Ratio Lower Upper

45 100

43 64.4 51.3 76.9

87 23.4 18.1 27.1

59 10.2 8.6 13.0



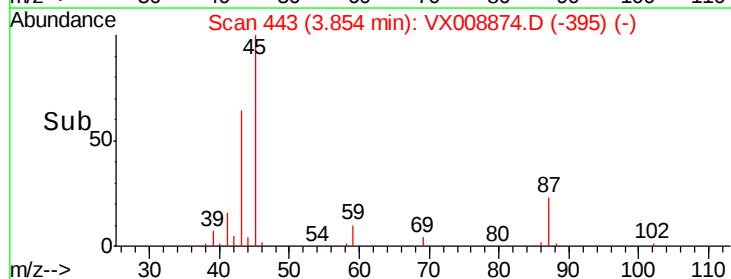
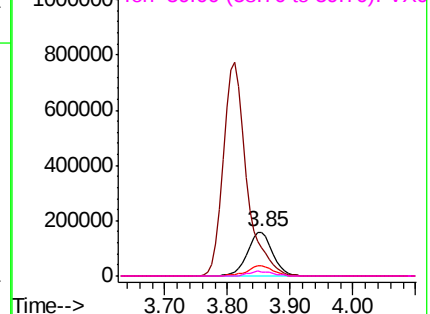
Abundance

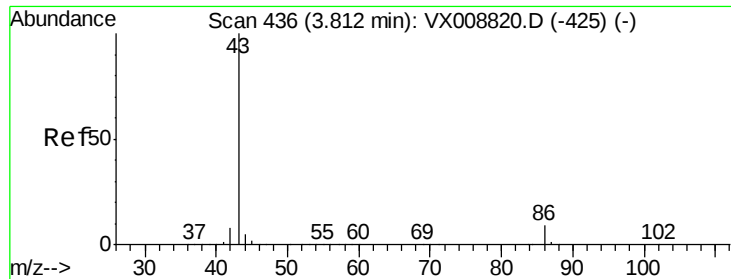
Ion 45.00 (44.70 to 45.70): VX0

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: 264.165 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Instrument :

MSVOA_X

ClientSampleId :

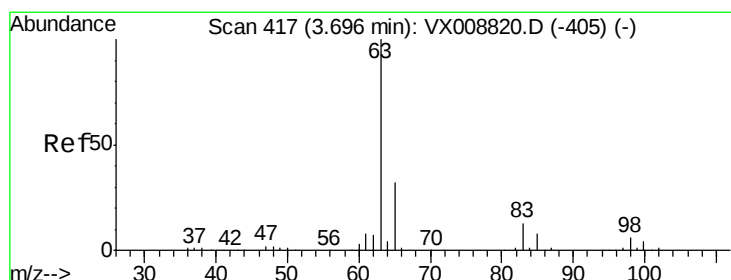
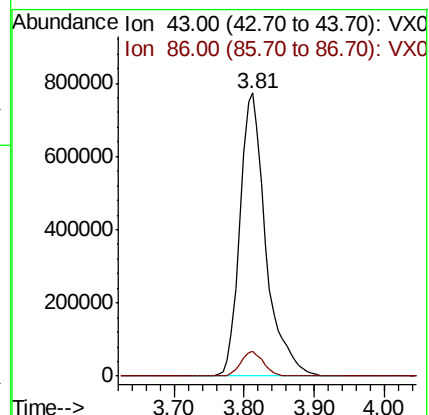
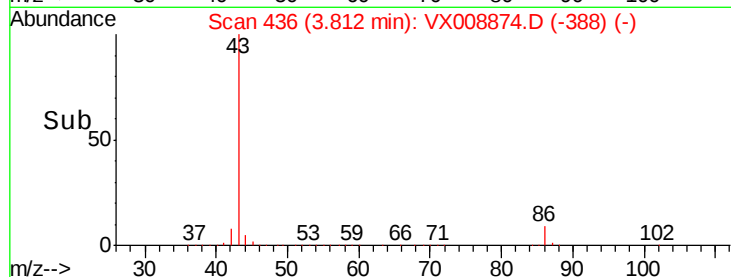
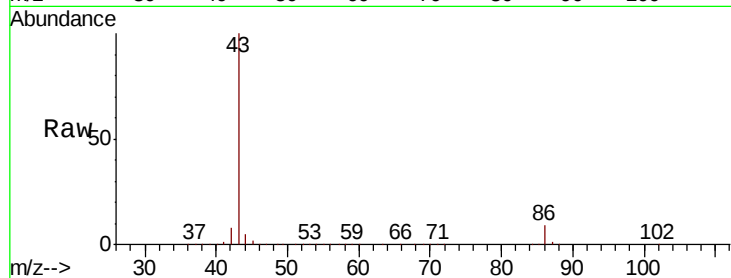
BFB

Tot Ion: 43 Resp: 1987239

Ion Ratio Lower Upper

43 100

86 8.6 7.0 10.6



#24

1,1-Dichloroethane

Concen: 50.622 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

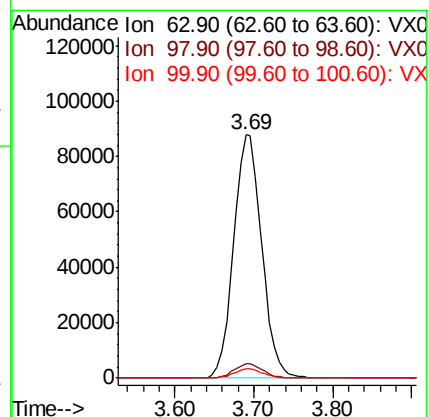
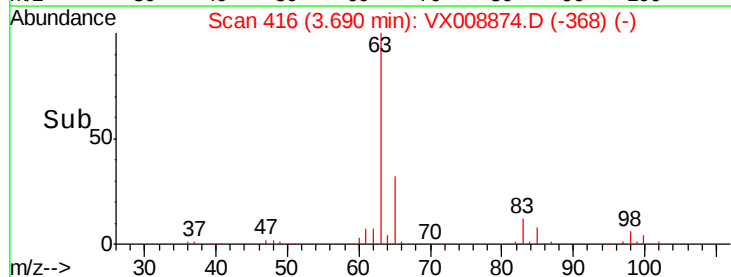
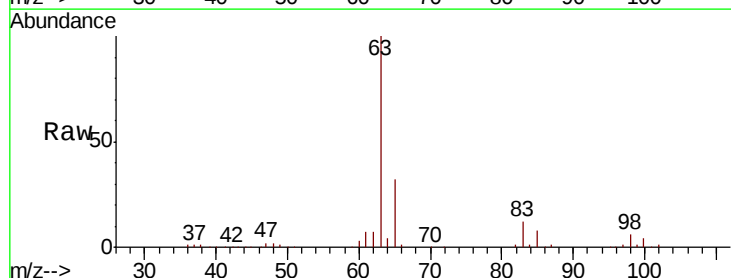
Tgt Ion: 63 Resp: 216735

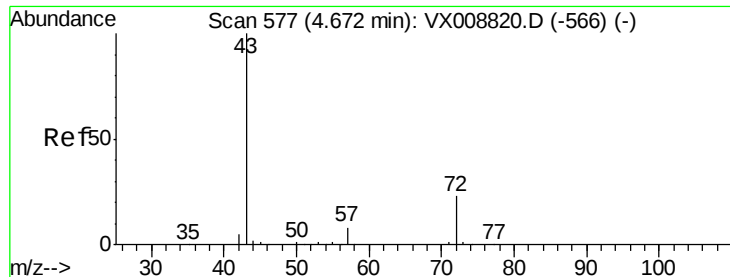
Ion Ratio Lower Upper

63 100

98 6.2 2.8 8.4

100 3.9 1.8 5.5





#25

2-Butanone

Concen: 247.526 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Instrument :

MSVOA_X

ClientSampled :

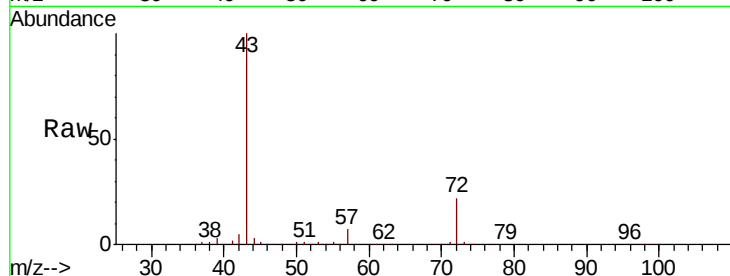
BFB

Tot Ion: 43 Resp: 557159

Ion Ratio Lower Upper

43 100

72 22.3 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.67

200000

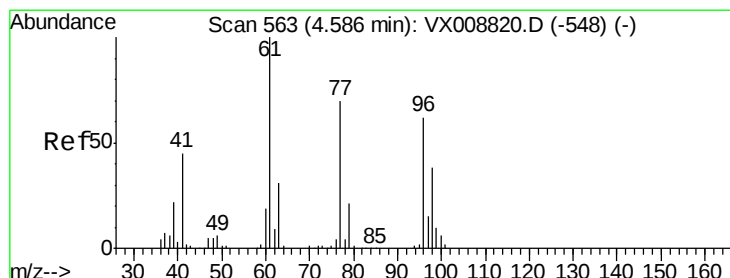
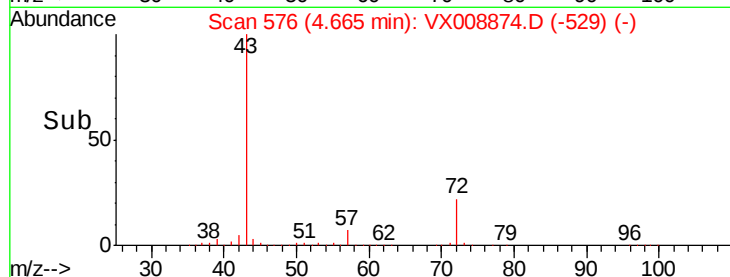
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 54.652 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX008874.D

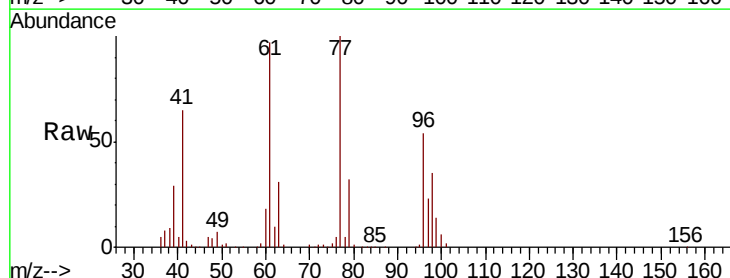
Acq: 12 Apr 2019 10:10

Tgt Ion: 77 Resp: 164804

Ion Ratio Lower Upper

77 100

97 22.8 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.57

60000

50000

40000

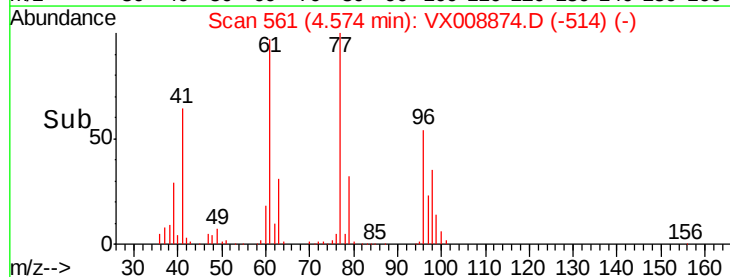
30000

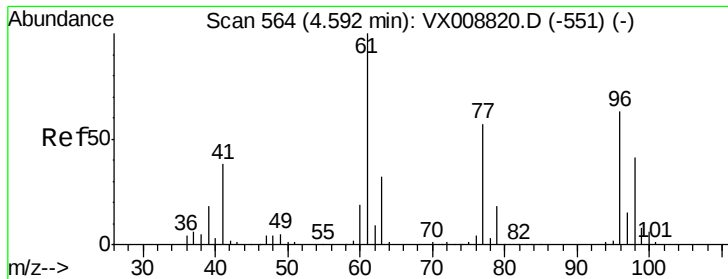
20000

10000

0

Time-->



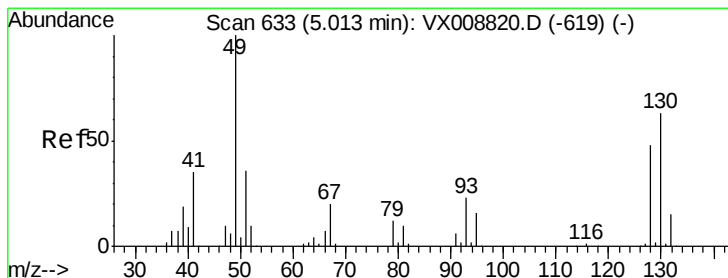
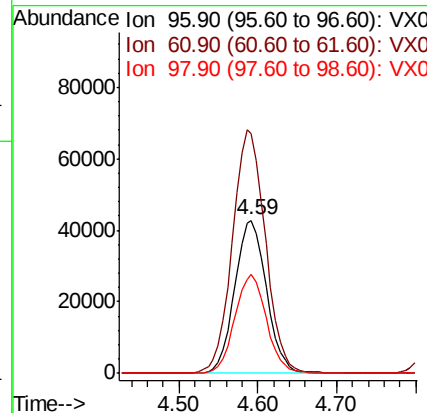
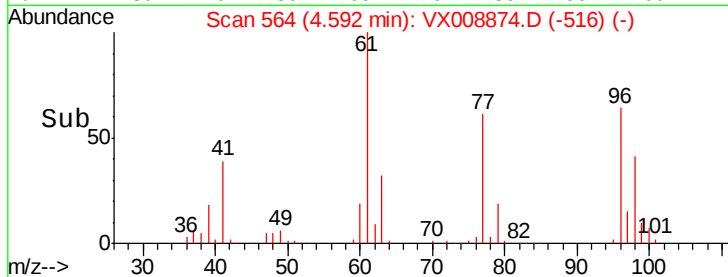
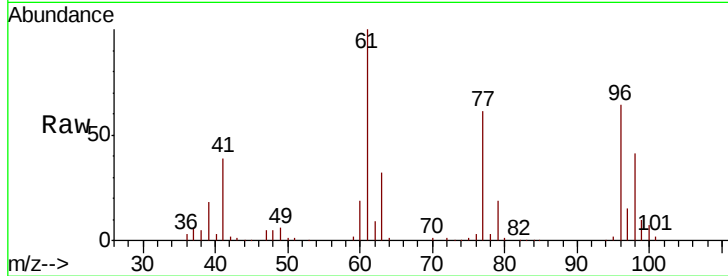


#27

cis-1,2-Dichloroethene
Concen: 49.322 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

Instrument :
MSVOA_X
ClientSampled :
BFB

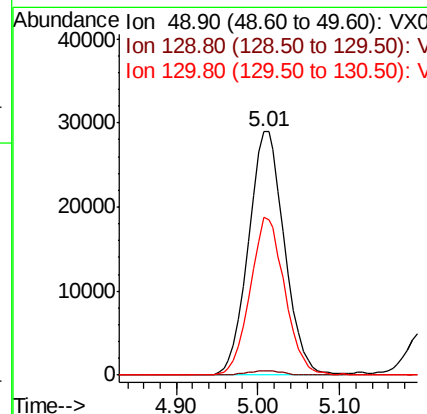
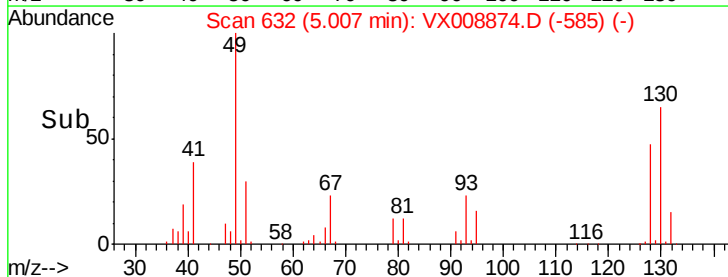
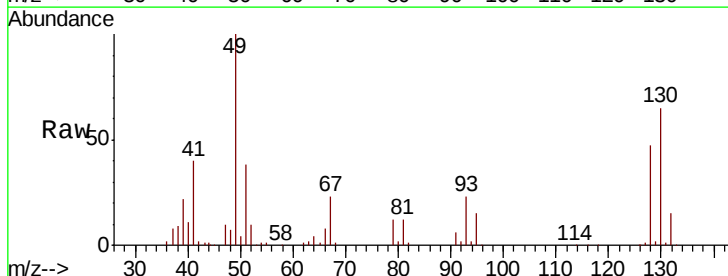
Tot Ion	Ratio	Lower	Upper
96	100		
61	164.7	0.0	327.6
98	64.3	0.0	128.6

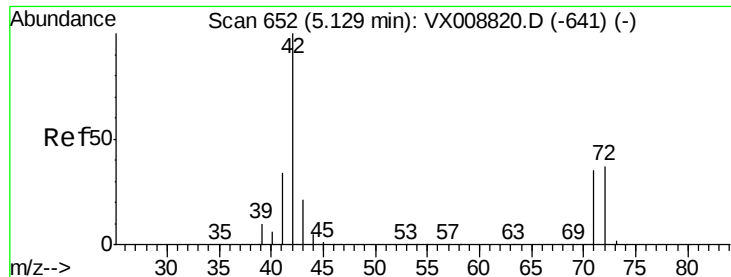


#28

Bromochloromethane
Concen: 49.708 ug/l
RT: 5.01 min Scan# 632
Delta R.T. -0.01 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	62.3	49.3	73.9

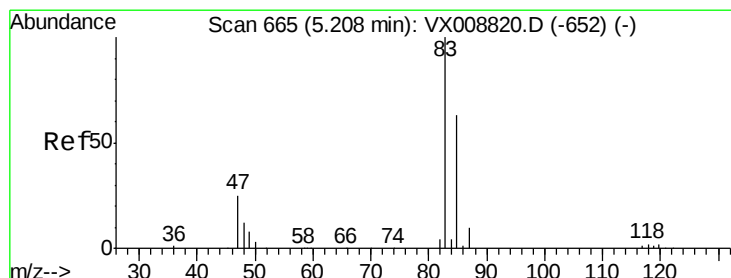
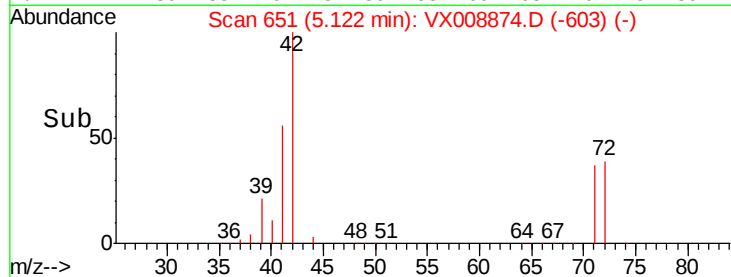
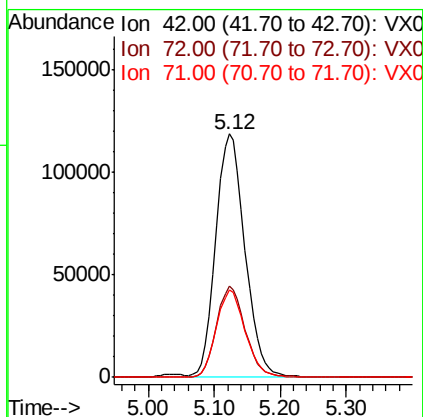
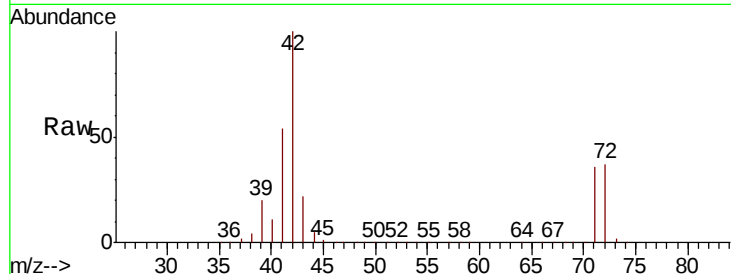




#29
Tetrahydrofuran
Concen: 241.946 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

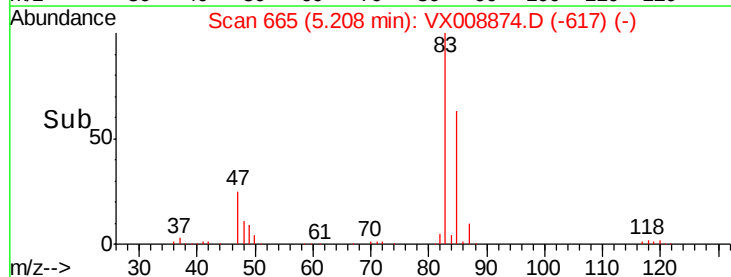
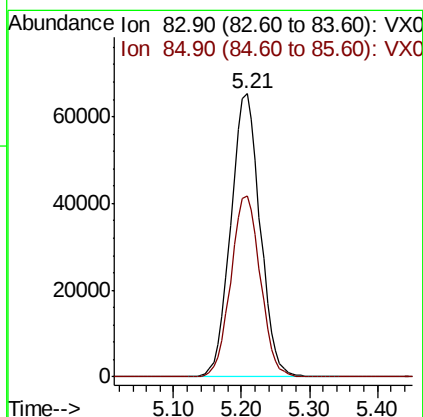
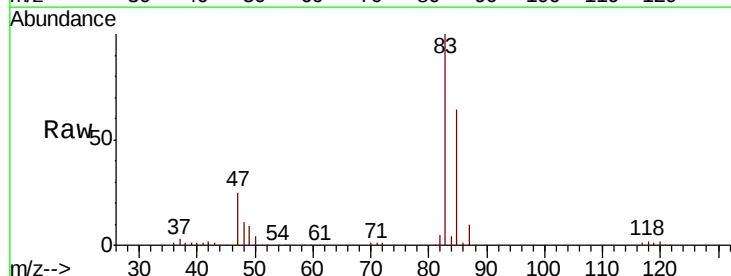
Instrument :
MSVOA_X
ClientSampled :
BFB

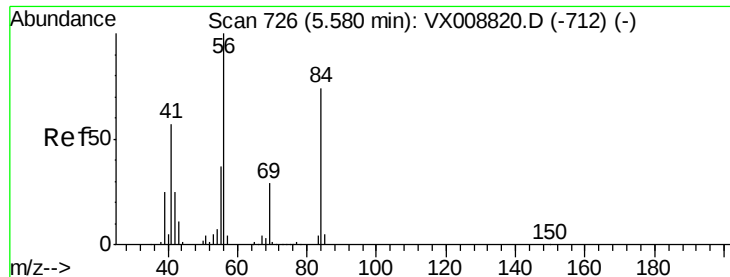
Tot Ion: 42 Resp: 361462
Ion Ratio Lower Upper
42 100
72 37.2 30.5 45.7
71 35.5 28.6 43.0



#30
Chloroform
Concen: 50.968 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

Tgt Ion: 83 Resp: 194904
Ion Ratio Lower Upper
83 100
85 63.8 52.1 78.1





#31

Cyclohexane

Concen: 52.014 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Instrument :

MSVOA_X

ClientSampleId :

BFB

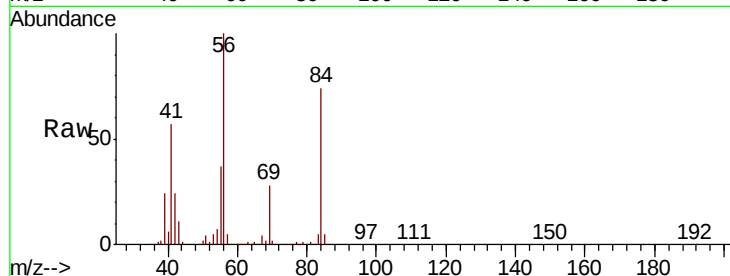
Tot Ion: 56 Resp: 222212

Ion Ratio Lower Upper

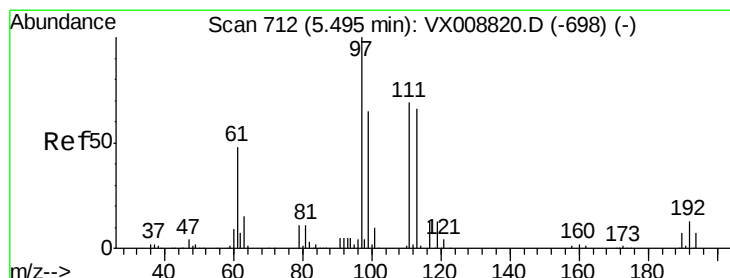
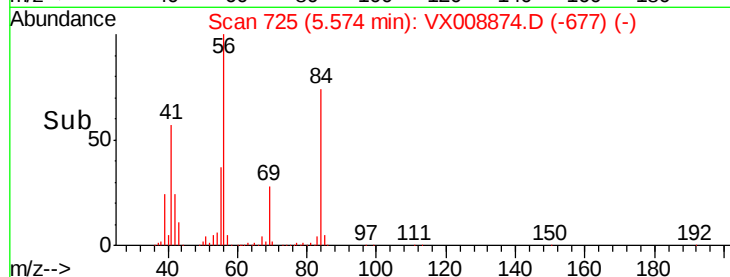
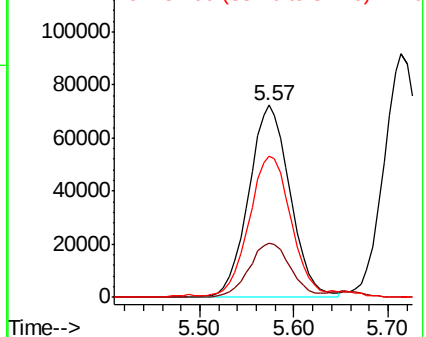
56 100

69 28.0 22.6 33.8

84 72.6 59.3 88.9



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 52.512 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

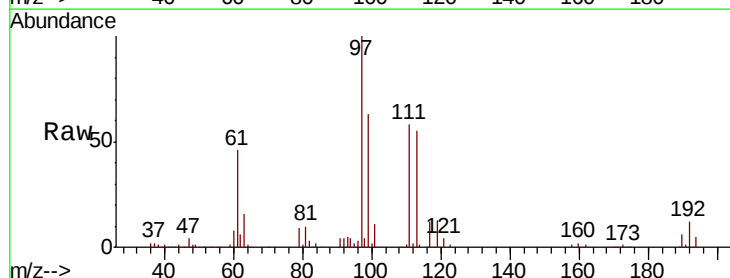
Tgt Ion: 97 Resp: 162273

Ion Ratio Lower Upper

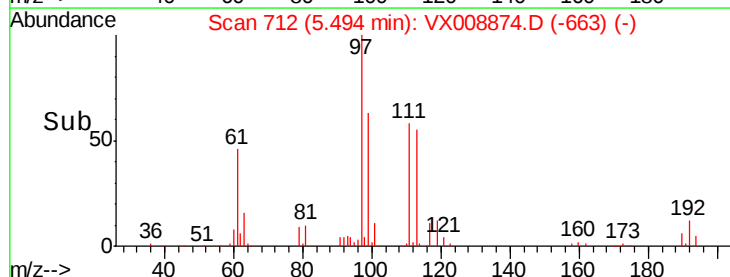
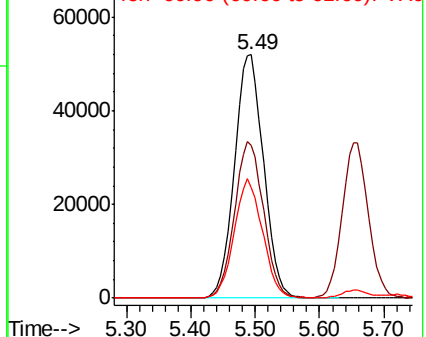
97 100

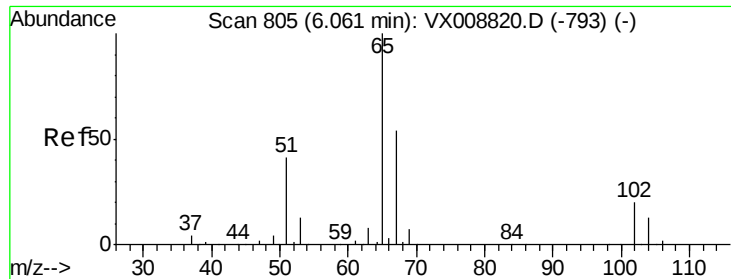
99 64.1 51.3 76.9

61 47.8 38.9 58.3



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0

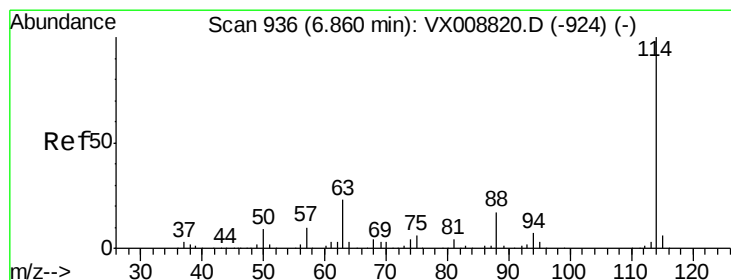
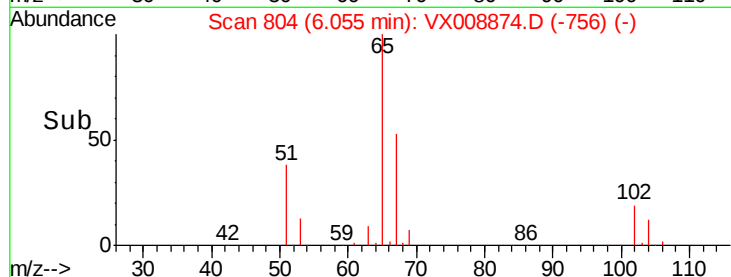
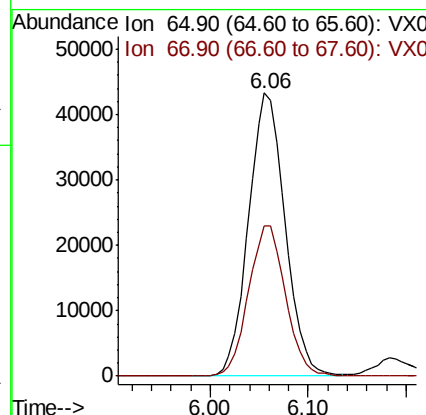
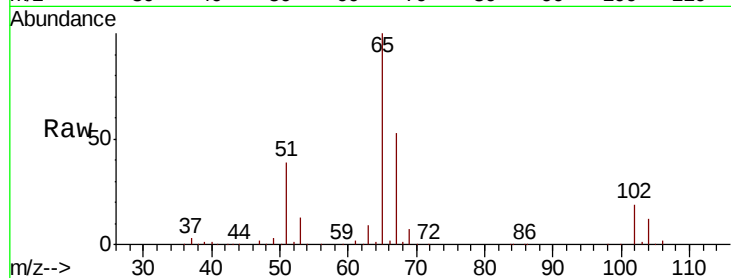




#33
 1,2-Dichloroethane-d4
 Concen: 45.644 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX008874.D
 Acq: 12 Apr 2019 10:10

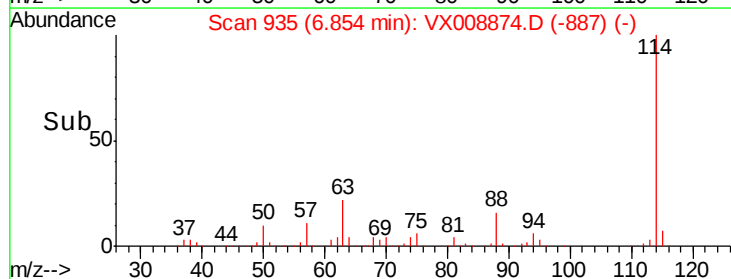
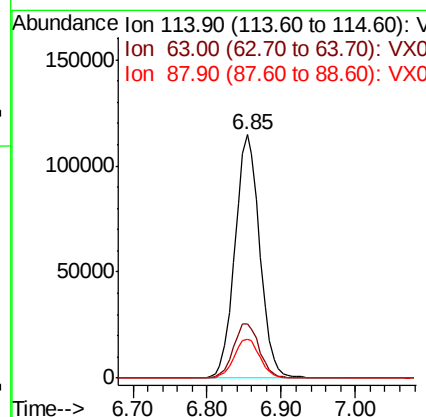
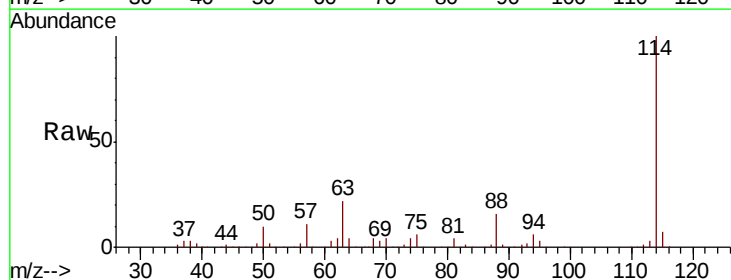
Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

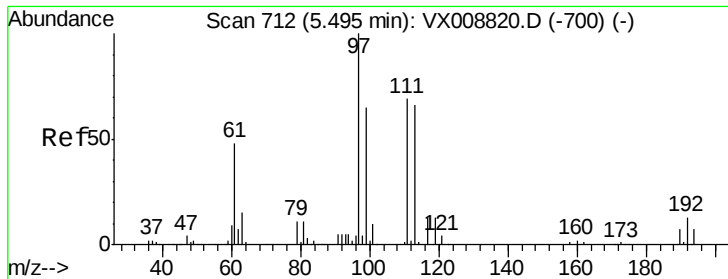
Tot Ion: 65 Resp: 112860
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX008874.D
 Acq: 12 Apr 2019 10:10

Tgt Ion: 114 Resp: 268063
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 47.2
 88 16.2 0.0 34.0





#35

Dibromofluoromethane

Concen: 48.396 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Instrument :

MSVOA_X

ClientSampleId :

BFB

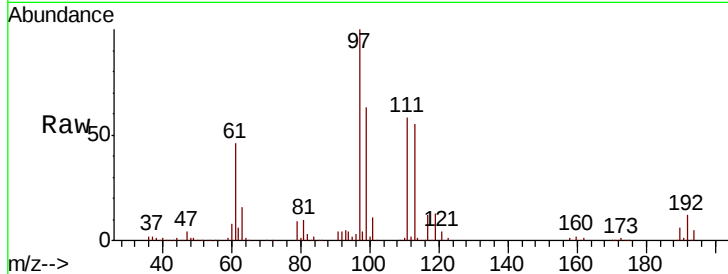
Tot Ion:113 Resp: 82945

Ion Ratio Lower Upper

113 100

111 104.1 83.4 125.2

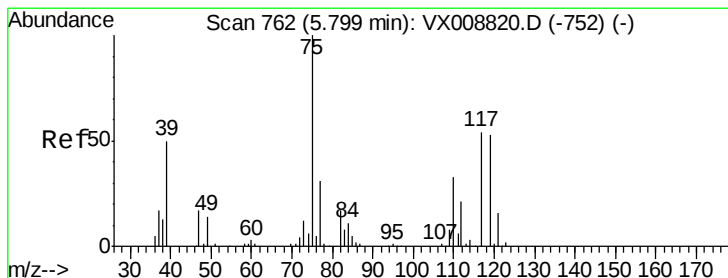
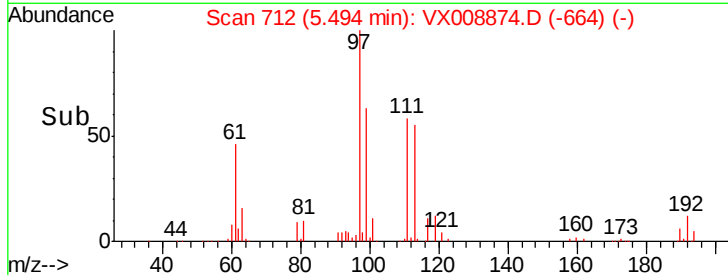
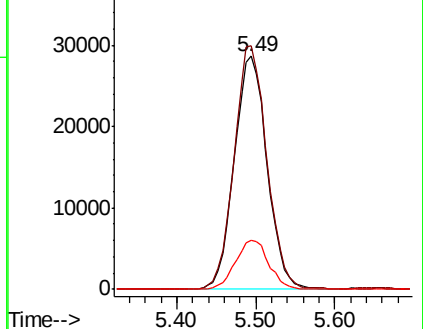
192 21.3 16.1 24.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 53.907 ug/l

RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

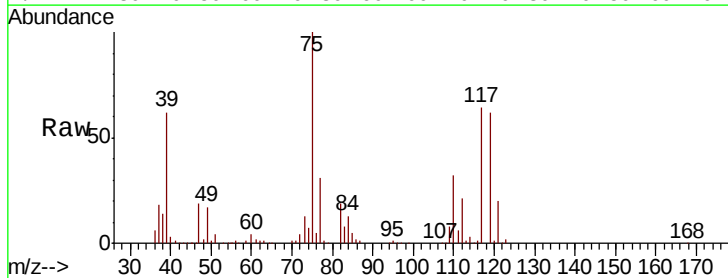
Tgt Ion: 75 Resp: 157959

Ion Ratio Lower Upper

75 100

110 33.1 16.4 49.2

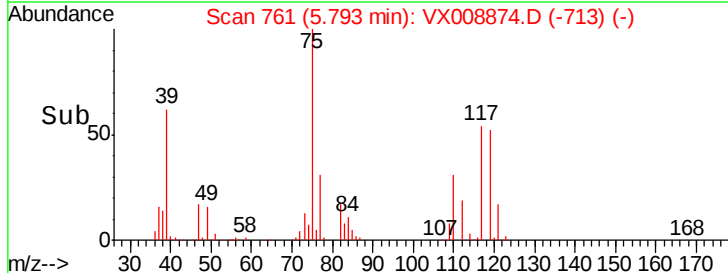
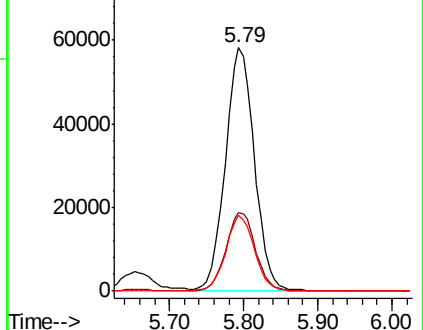
77 30.9 24.7 37.1

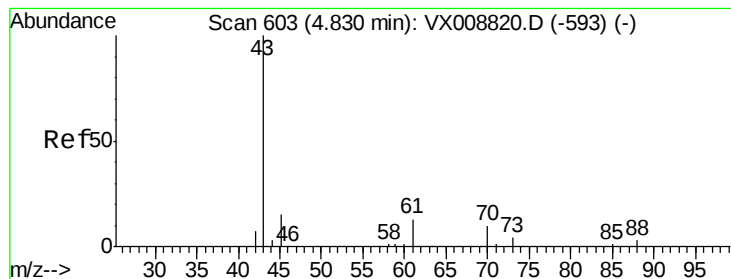


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 53.567 ug/l

RT: 4.83 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Instrument :

MSVOA_X

ClientSampleId :

BFB

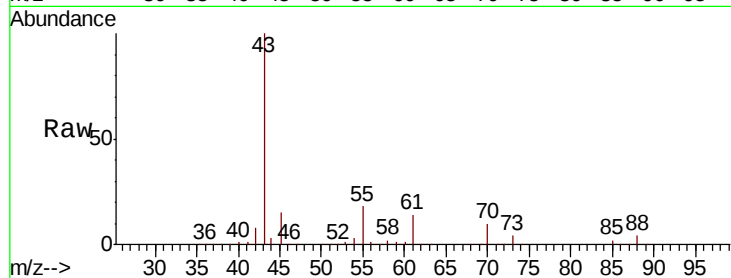
Tot Ion: 43 Resp: 209512

Ion Ratio Lower Upper

43 100

61 12.9 10.3 15.5

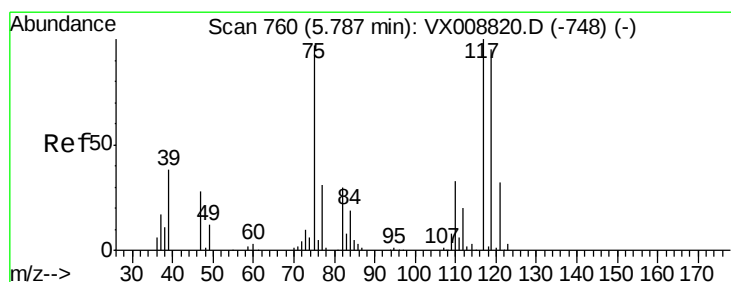
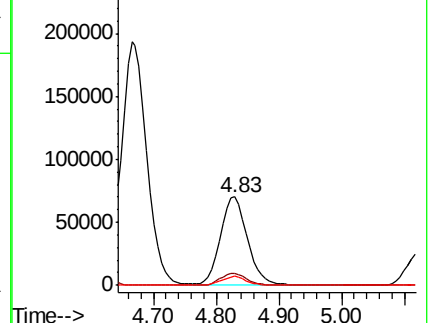
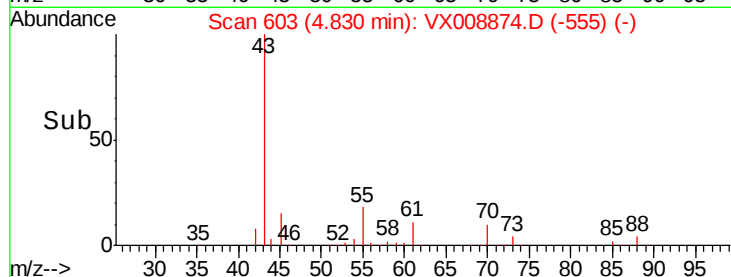
70 9.6 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 56.664 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

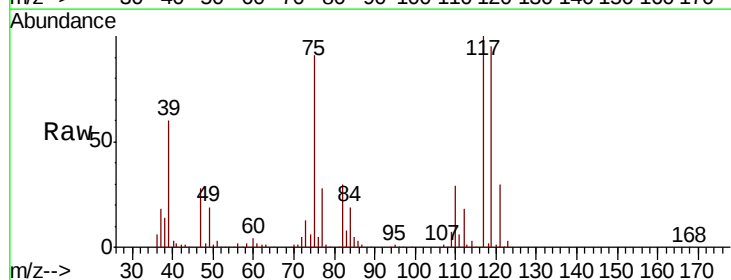
Tgt Ion: 117 Resp: 137422

Ion Ratio Lower Upper

117 100

119 95.3 75.0 112.6

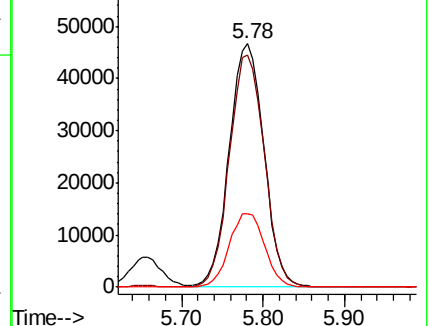
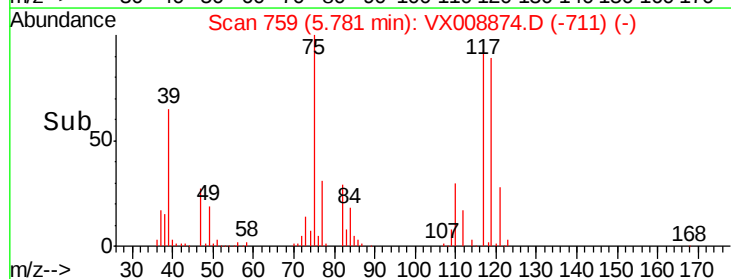
121 30.0 24.3 36.5

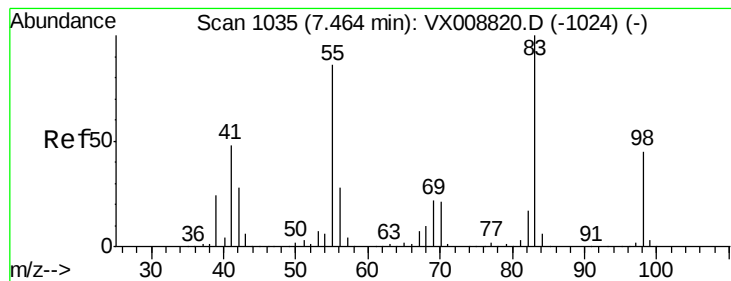


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#39

Methvlcvclohexane

Concen: 56.737 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. -0.01 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Instrument :

MSVOA_X

ClientSampleId :

BFB

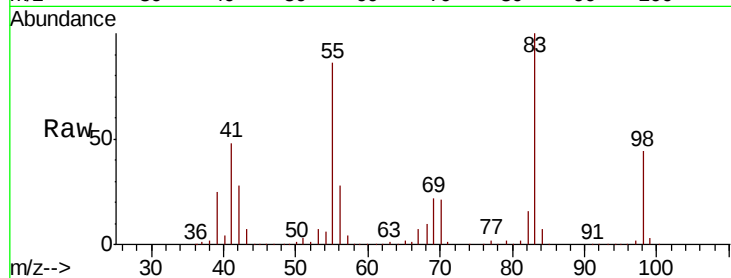
Tot Ion: 83 Resp: 205374

Ion Ratio Lower Upper

83 100

55 86.0 69.0 103.6

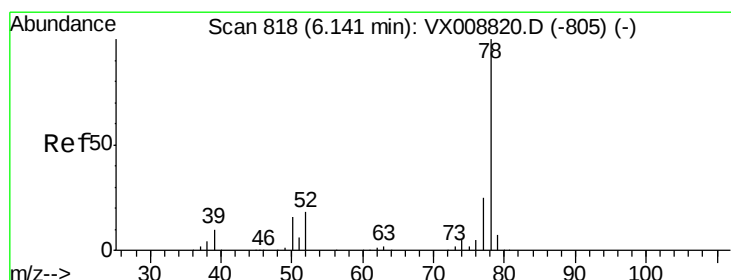
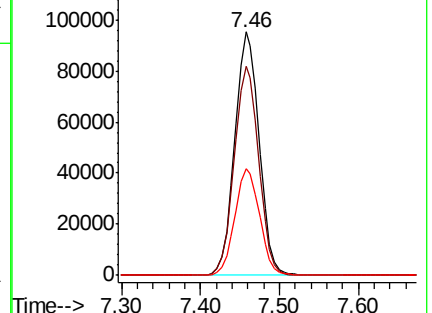
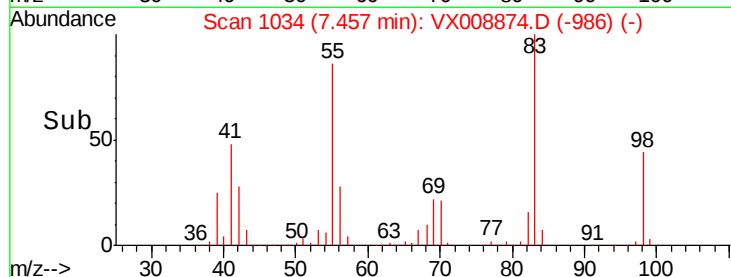
98 43.6 34.4 51.6



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#40

Benzene

Concen: 54.196 ug/l

RT: 6.13 min Scan# 817

Delta R.T. -0.01 min

Lab File: VX008874.D

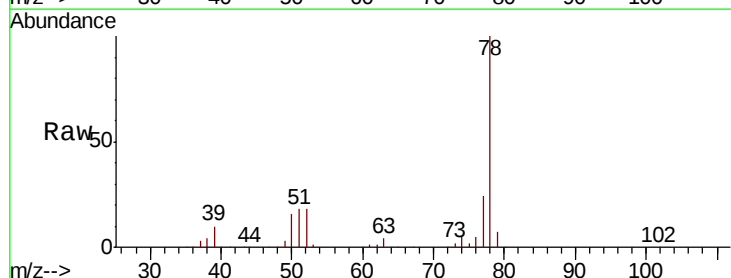
Acq: 12 Apr 2019 10:10

Tgt Ion: 78 Resp: 473096

Ion Ratio Lower Upper

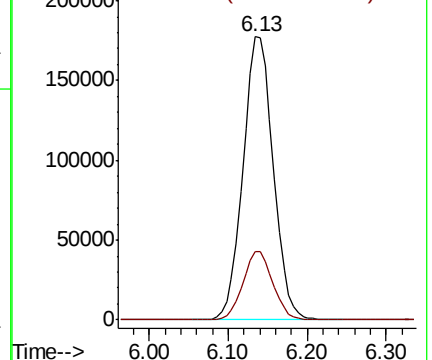
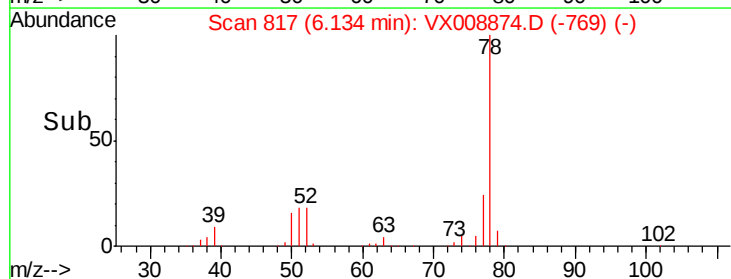
78 100

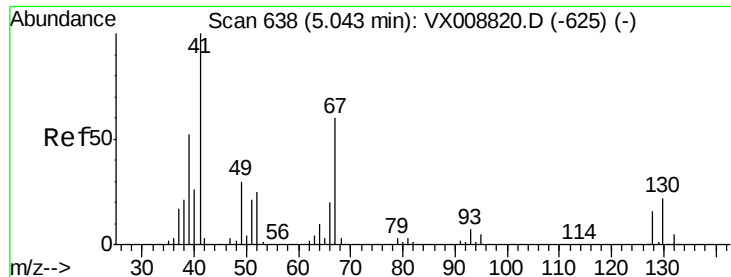
77 24.2 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

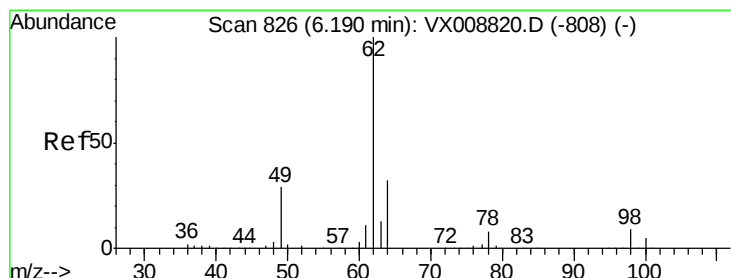
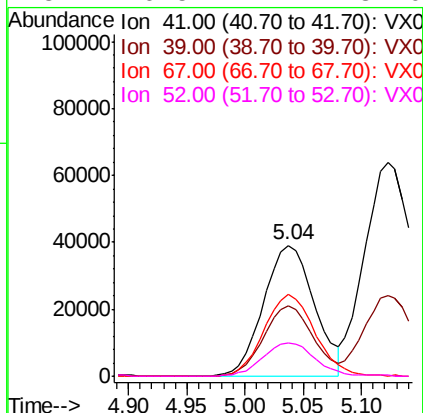
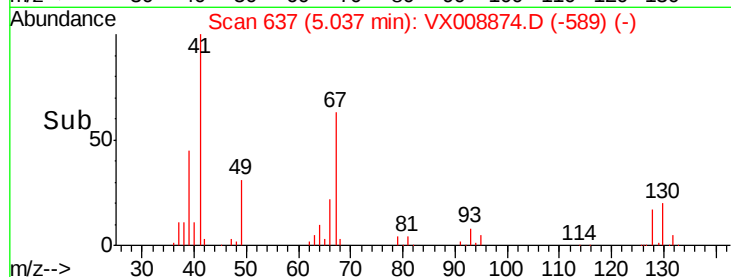
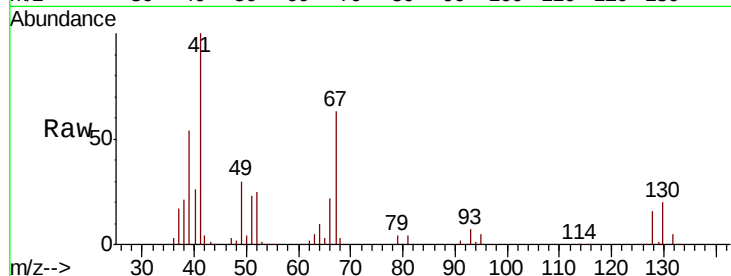




#41
Methacrylonitrile
Concen: 52.828 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

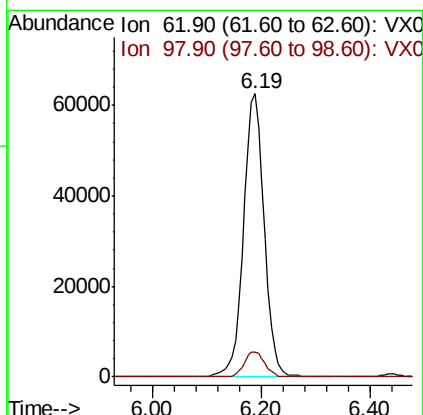
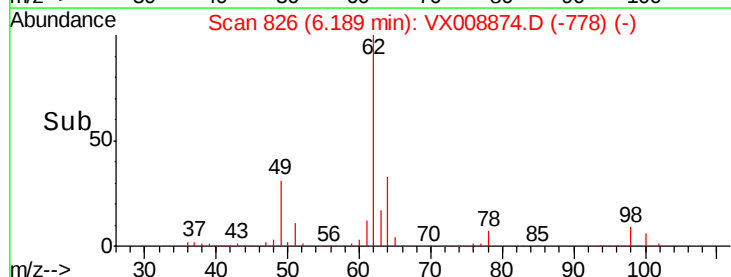
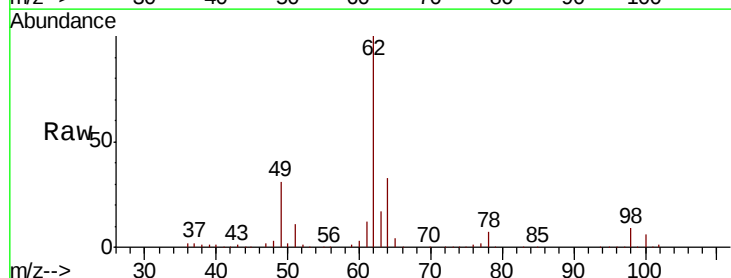
Instrument :
MSVOA_X
ClientSampleID :
BFB

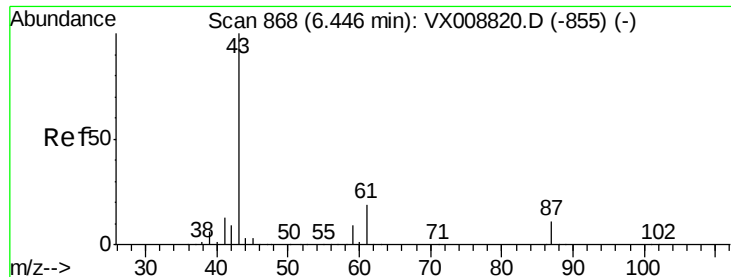
Tot Ion:	41	Resp:	118767
Ion	Ratio	Lower	Upper
41	100		
39	53.0	42.1	63.1
67	62.7	51.0	76.6
52	26.5	21.4	32.0



#42
1,2-Dichloroethane
Concen: 52.804 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

Tgt Ion:	62	Resp:	165251
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.0



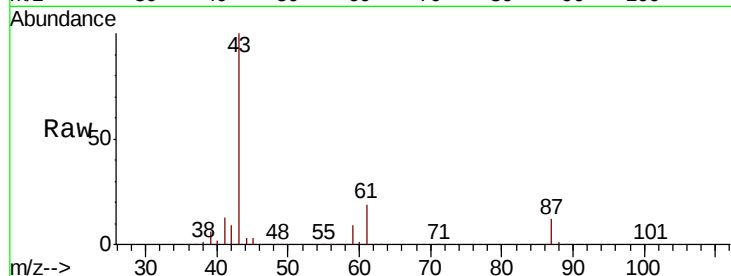


#43

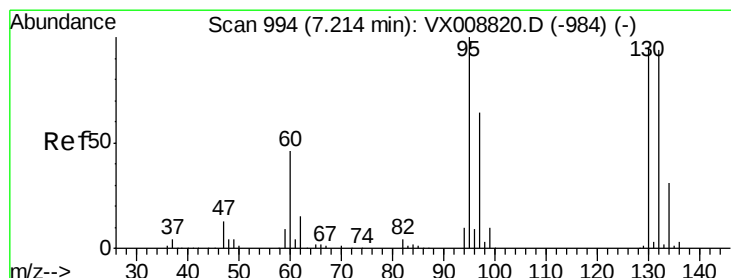
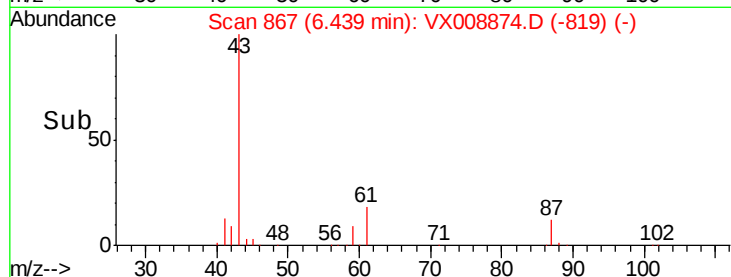
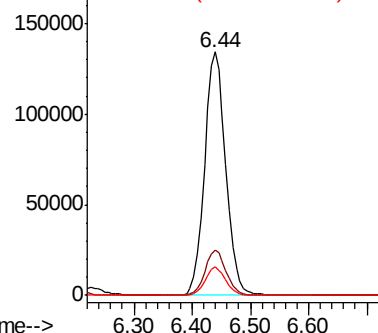
Isopropyl Acetate
 Concen: 55.020 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX008874.D
 Acq: 12 Apr 2019 10:10

Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

Tot Ion: 43 Resp: 337102
 Ion Ratio Lower Upper
 43 100
 61 18.7 15.3 22.9
 87 11.1 9.0 13.6



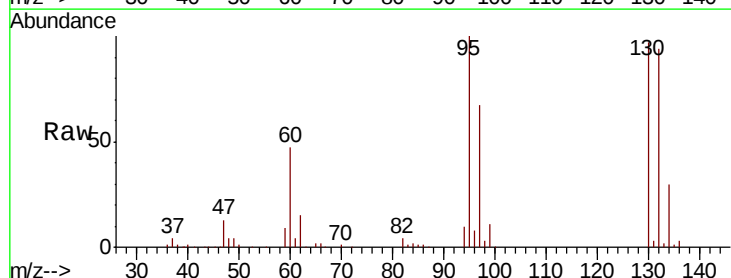
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



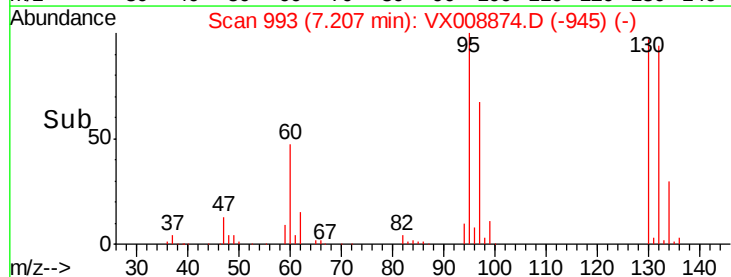
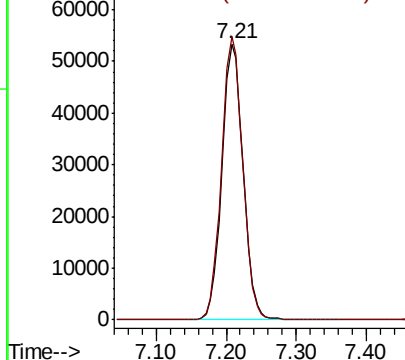
#44

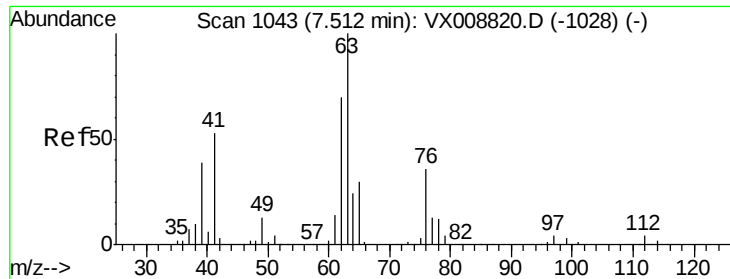
Trichloroethene
 Concen: 55.505 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX008874.D
 Acq: 12 Apr 2019 10:10

Tgt Ion: 130 Resp: 112850
 Ion Ratio Lower Upper
 130 100
 95 102.6 0.0 209.8



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

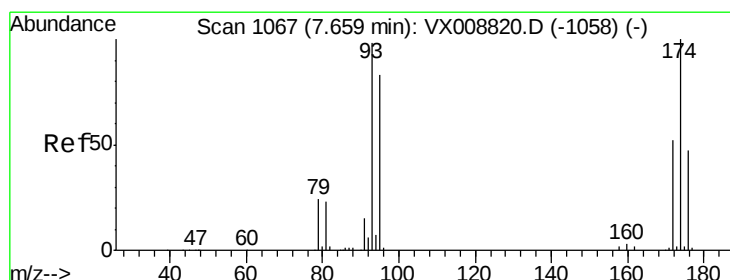
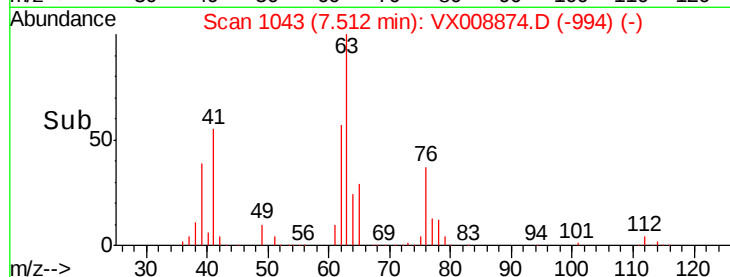
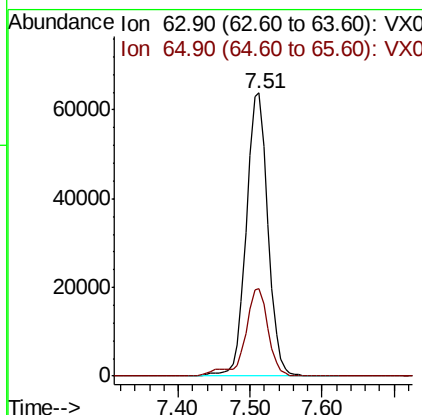
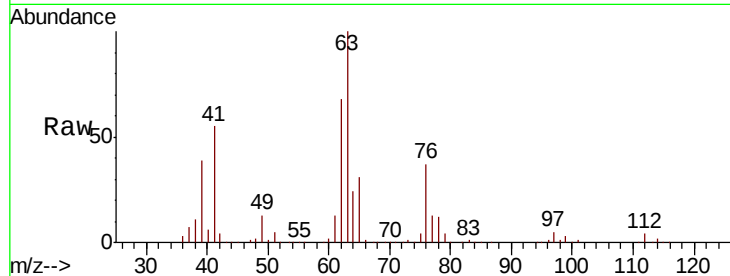




#45
 1,2-Dichloropropane
 Concen: 53.462 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX008874.D
 Acq: 12 Apr 2019 10:10

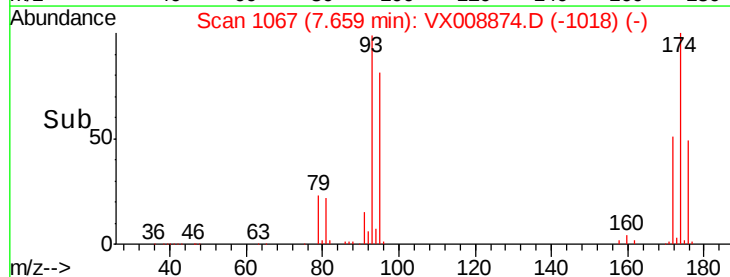
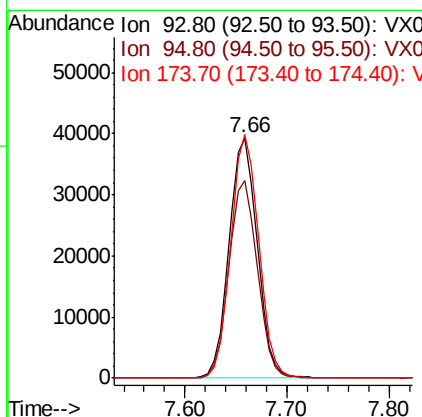
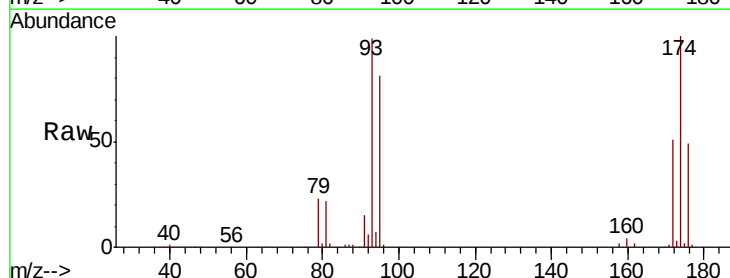
Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

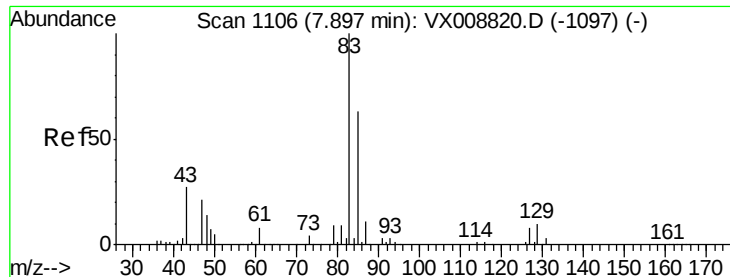
Tot Ion: 63 Resp: 133205
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.2 36.4



#46
 Dibromomethane
 Concen: 51.890 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX008874.D
 Acq: 12 Apr 2019 10:10

Tgt Ion: 93 Resp: 74985
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.6 99.8
 174 100.8 77.7 116.5





#47

Bromodichloromethane

Concen: 55.623 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Instrument :

MSVOA_X

ClientSampleId :

BFB

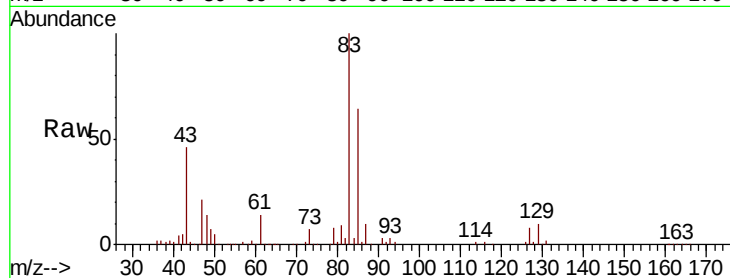
Tot Ion: 83 Resp: 151555

Ion Ratio Lower Upper

83 100

85 63.6 51.2 76.8

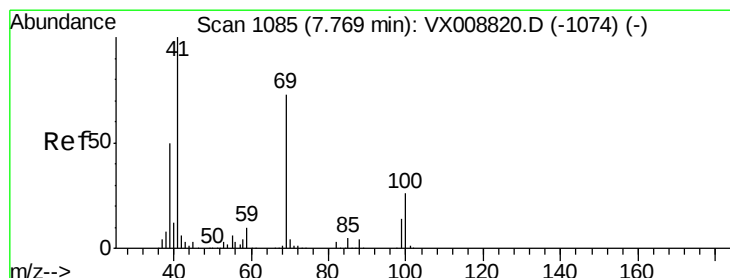
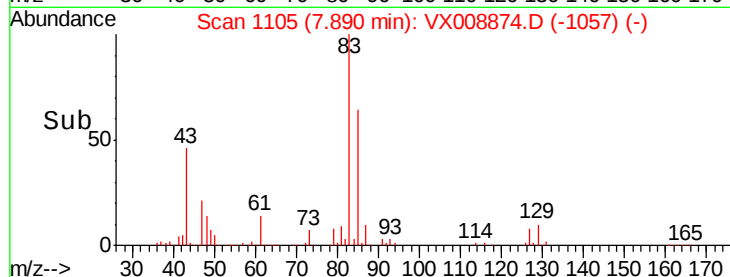
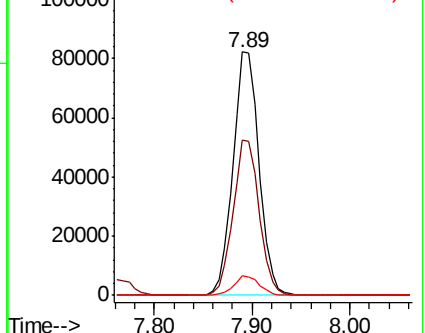
127 8.0 6.6 10.0



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: 55.291 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. -0.01 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

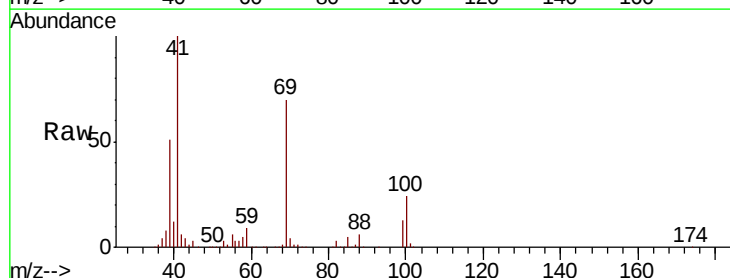
Tgt Ion: 41 Resp: 171364

Ion Ratio Lower Upper

41 100

69 73.0 59.0 88.4

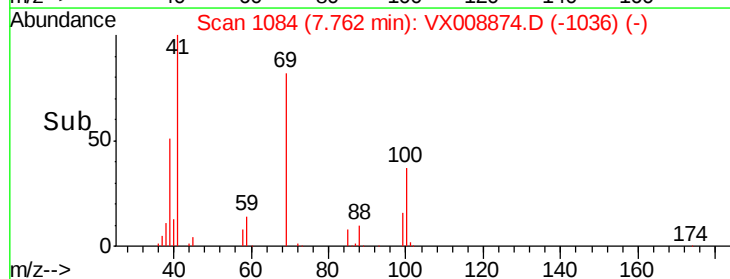
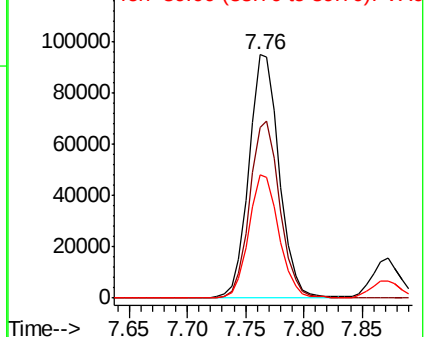
39 50.9 41.0 61.4

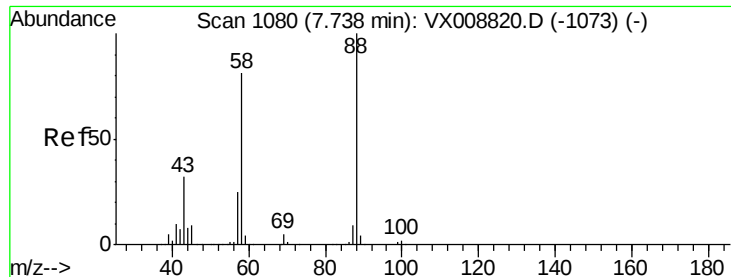


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 999.904 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Instrument :

MSVOA_X

ClientSampleId :

BFB

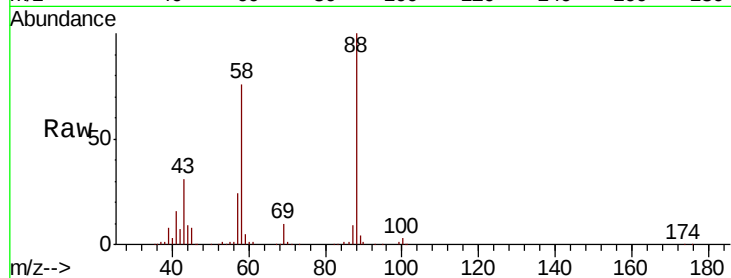
Tot Ion: 88 Resp: 58053

Ion Ratio Lower Upper

88 100

43 37.6 28.6 43.0

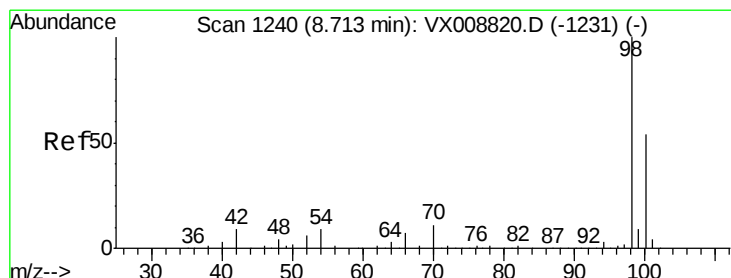
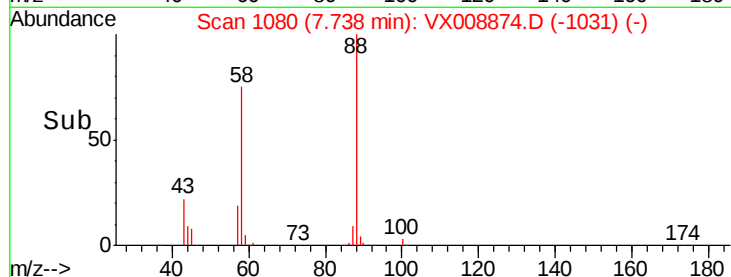
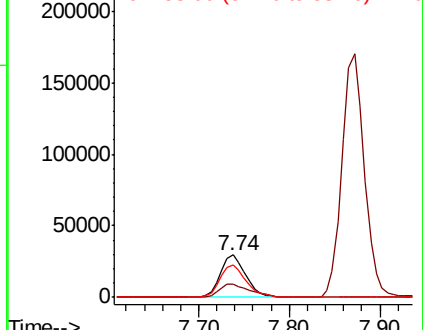
58 79.2 62.2 93.2



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: 49.248 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008874.D

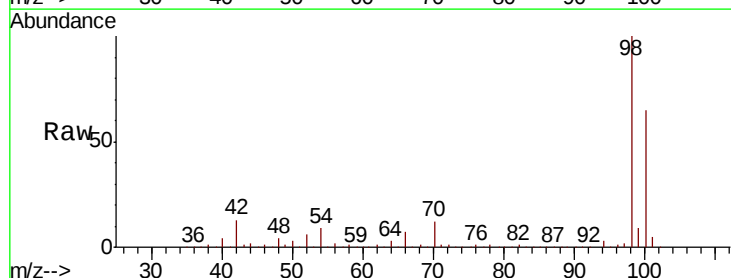
Acq: 12 Apr 2019 10:10

Tgt Ion: 98 Resp: 336079

Ion Ratio Lower Upper

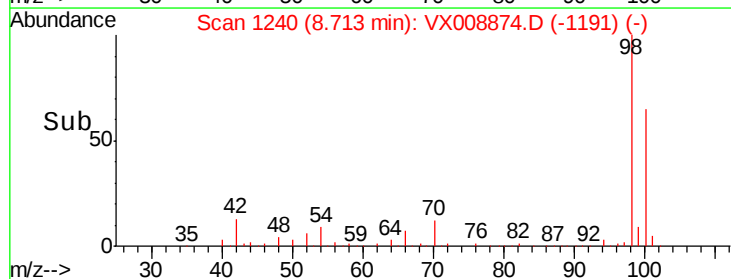
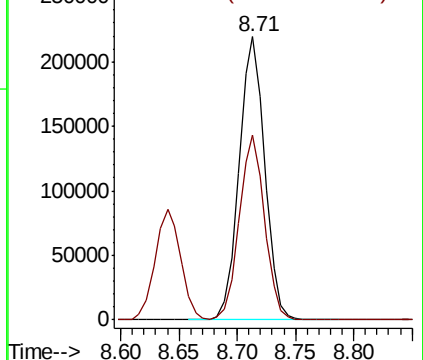
98 100

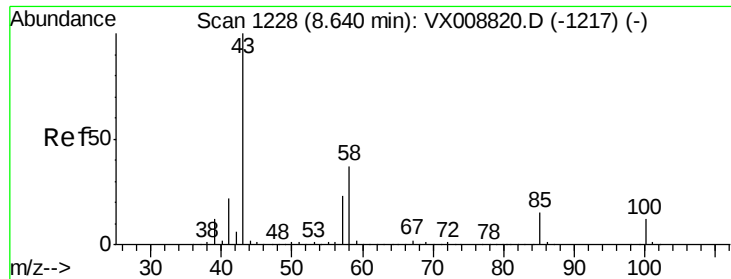
100 64.6 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 272.869 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Instrument :

MSVOA_X

ClientSampleId :

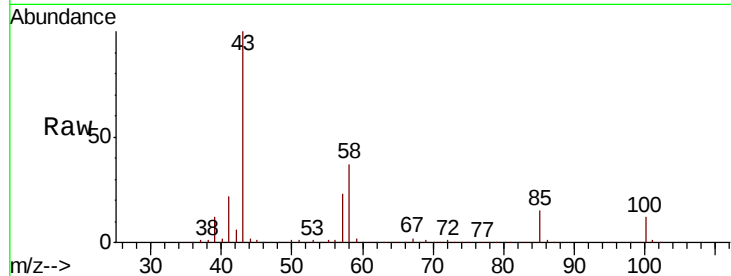
BFB

Tot Ion: 43 Resp: 1076227

Ion Ratio Lower Upper

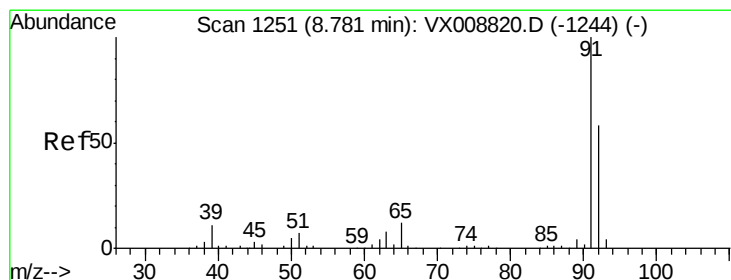
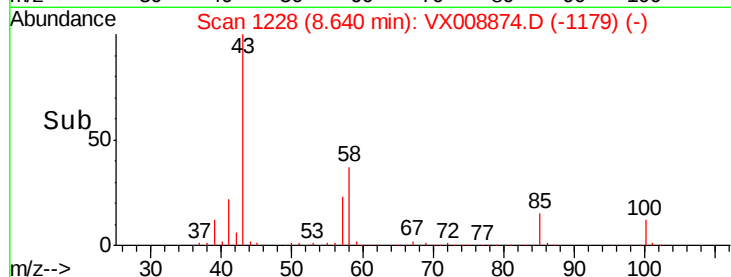
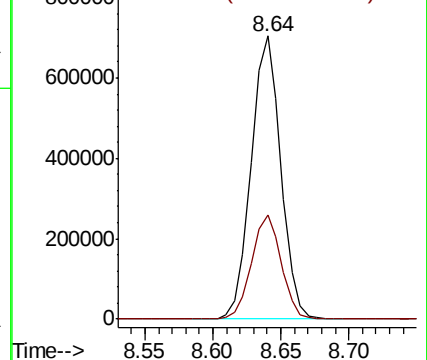
43 100

58 36.7 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 56.044 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008874.D

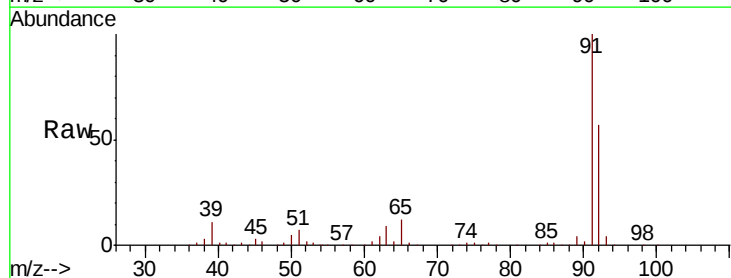
Acq: 12 Apr 2019 10:10

Tgt Ion: 92 Resp: 288428

Ion Ratio Lower Upper

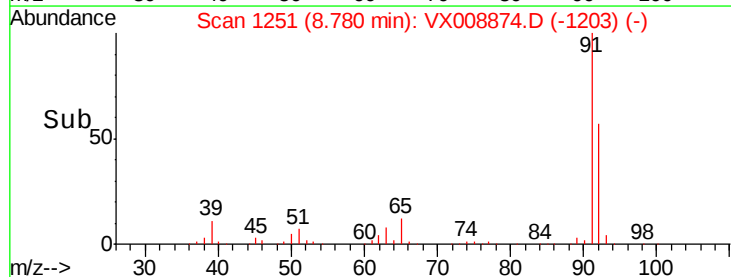
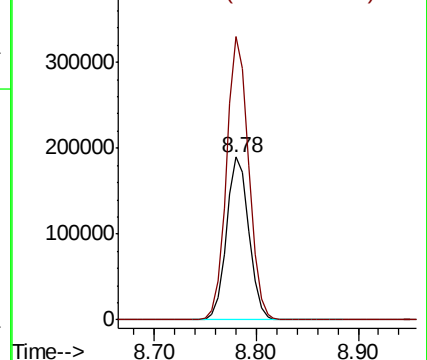
92 100

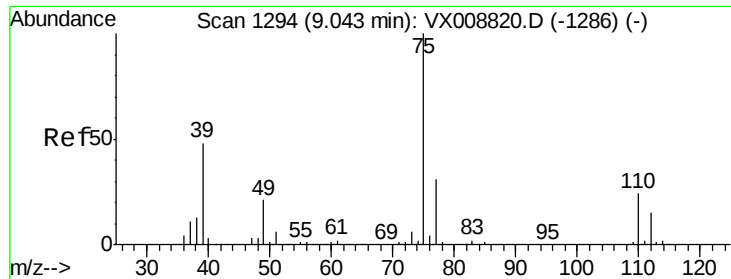
91 172.1 138.5 207.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 59.142 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Instrument :

MSVOA_X

ClientSampleId :

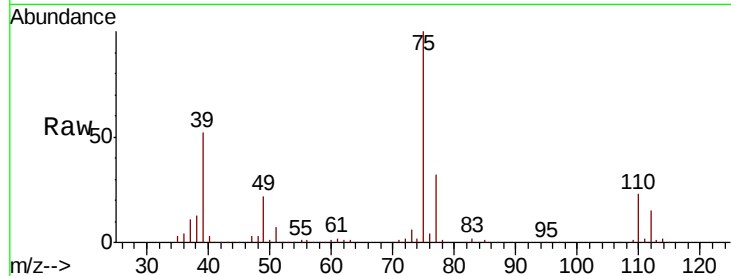
BFB

Tot Ion: 75 Resp: 180509

Ion Ratio Lower Upper

75 100

77 31.5 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

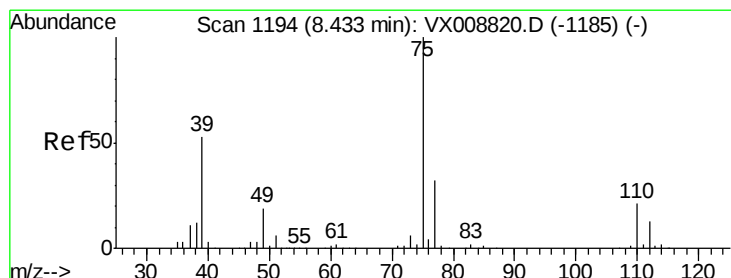
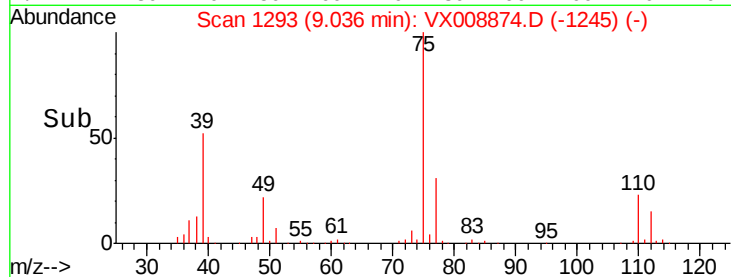
150000

100000

50000

0

Time--> 8.95 9.00 9.05 9.10 9.15



#54

cis-1,3-Dichloropropene

Concen: 57.391 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

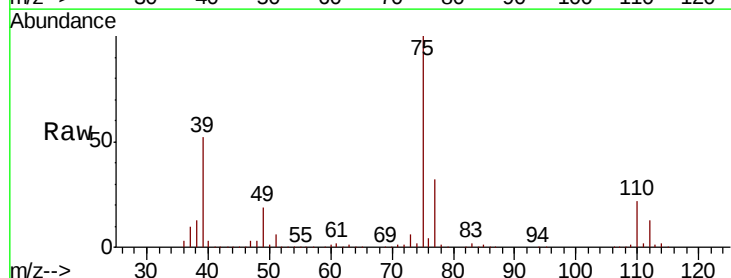
Tgt Ion: 75 Resp: 200150

Ion Ratio Lower Upper

75 100

77 31.9 25.3 37.9

39 52.3 42.6 63.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.43

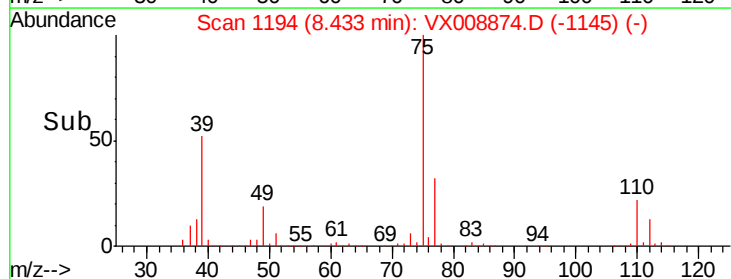
150000

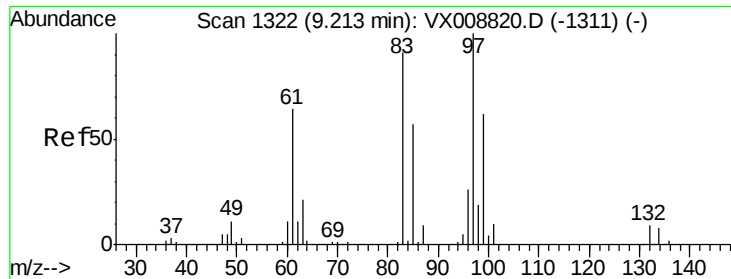
100000

50000

0

Time--> 8.30 8.40 8.50 8.60



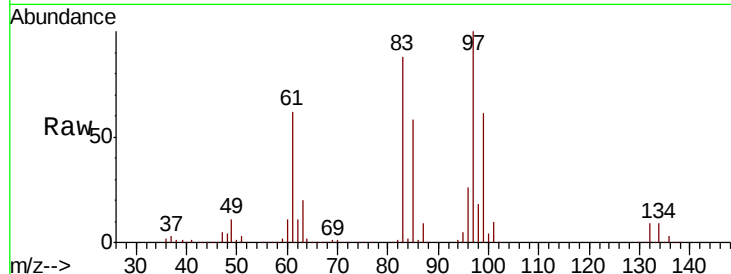


#55
 1,1,2-Trichloroethane
 Concen: 54.946 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008874.D
 Acq: 12 Apr 2019 10:10

Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

Tot Ion: 97 Resp: 113509

Ion	Ratio	Lower	Upper
97	100		
83	88.3	73.2	109.8
85	57.8	46.6	69.8
99	60.7	50.1	75.1



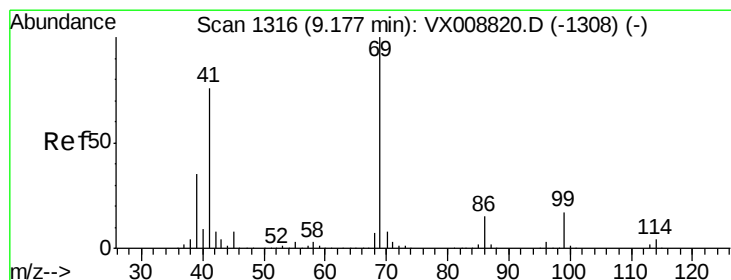
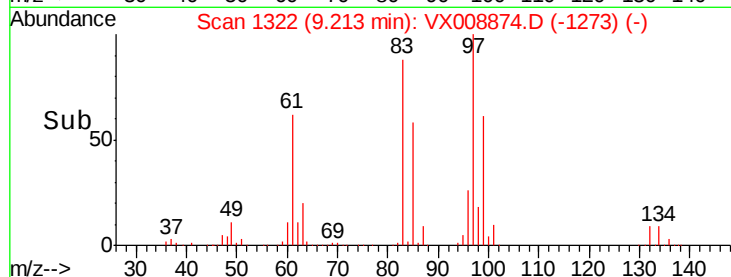
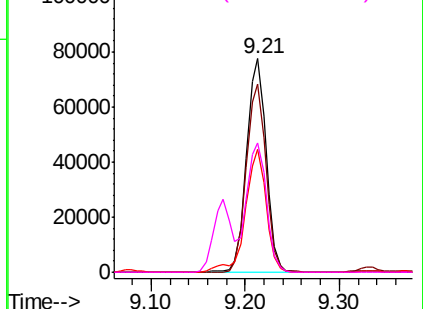
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

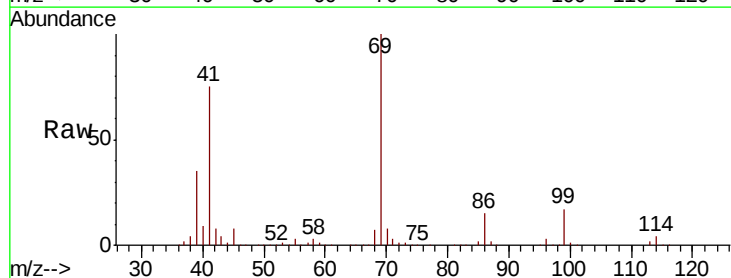
Ion 98.90 (98.60 to 99.60): VX0



#56
 Ethyl methacrylate
 Concen: 56.608 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX008874.D
 Acq: 12 Apr 2019 10:10

Tgt Ion: 69 Resp: 211584

Ion	Ratio	Lower	Upper
69	100		
41	76.0	60.1	90.1
39	35.5	28.9	43.3

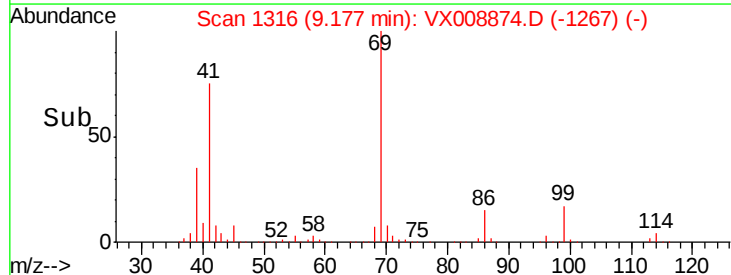
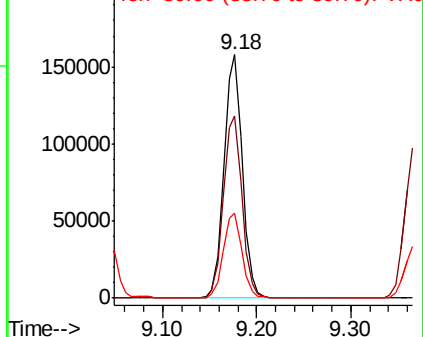


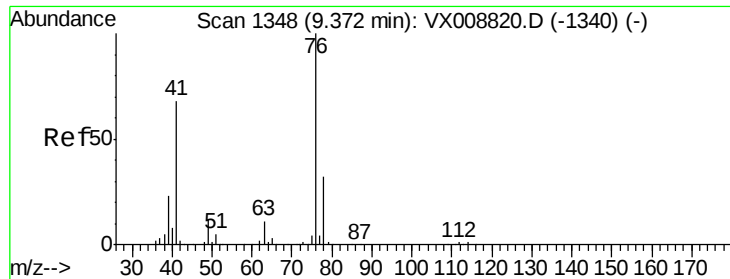
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 53.985 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Instrument :

MSVOA_X

ClientSampleId :

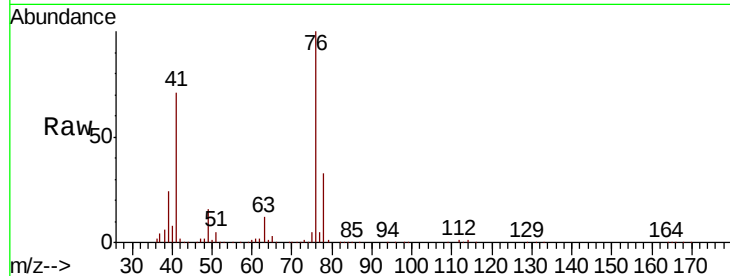
BFB

Tot Ion: 76 Resp: 200256

Ion Ratio Lower Upper

76 100

78 32.3 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

150000

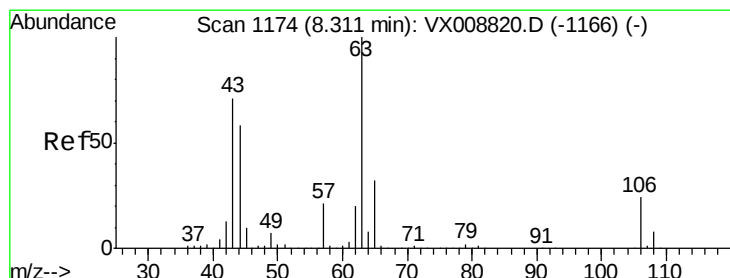
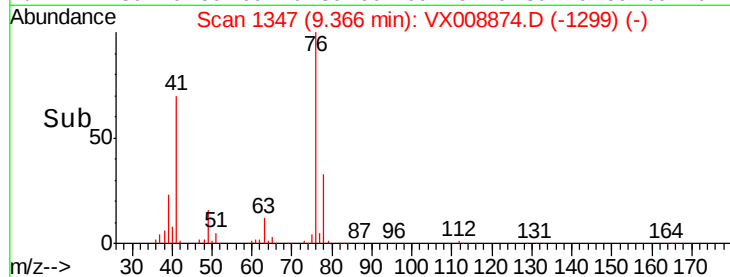
100000

50000

0

9.30 9.40 9.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 264.049 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX008874.D

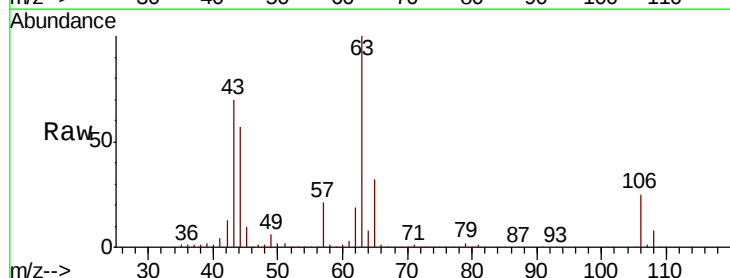
Acq: 12 Apr 2019 10:10

Tgt Ion: 63 Resp: 503952

Ion Ratio Lower Upper

63 100

106 24.2 19.0 28.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

300000

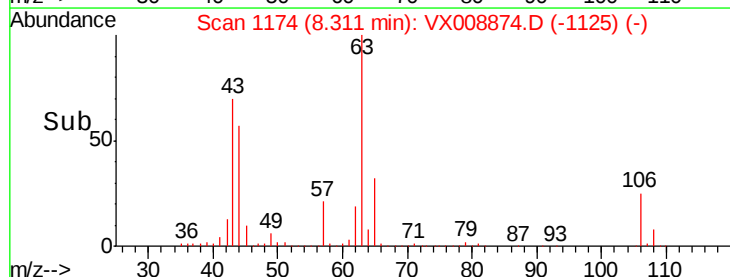
200000

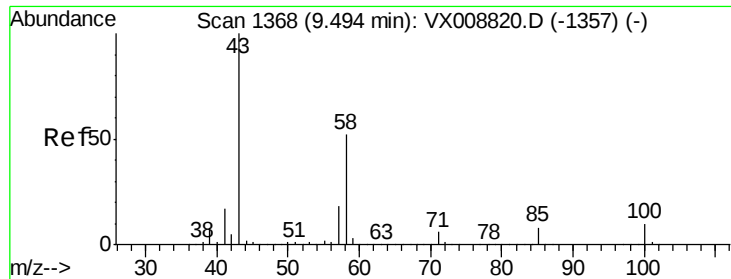
100000

0

8.20 8.30 8.40

Time-->

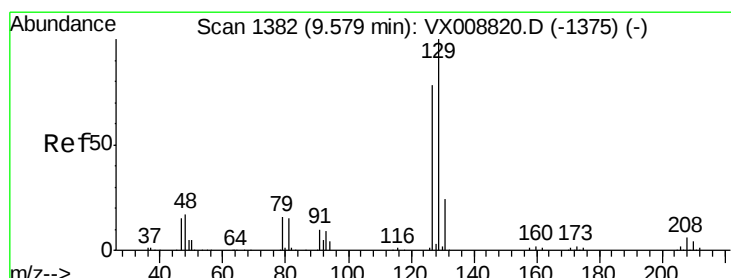
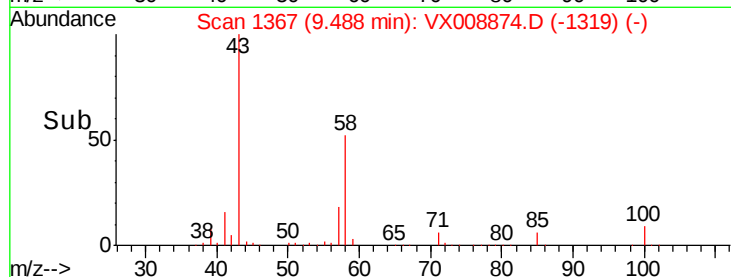
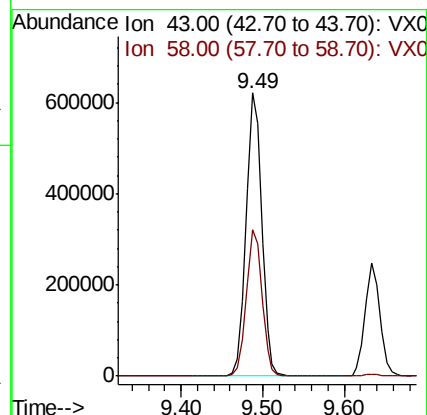
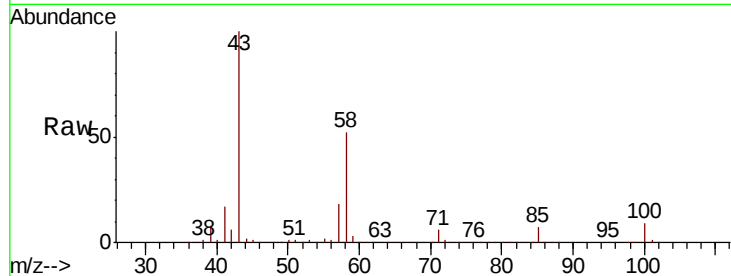




#59
2-Hexanone
Concen: 266.872 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

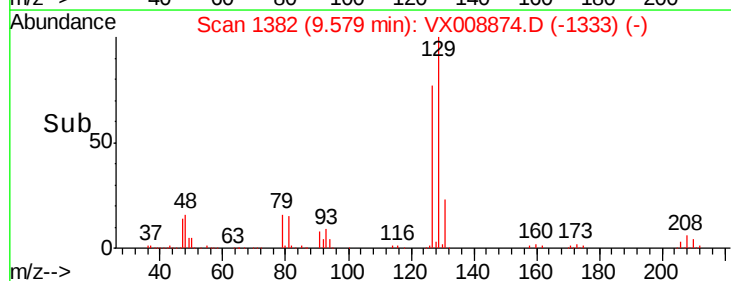
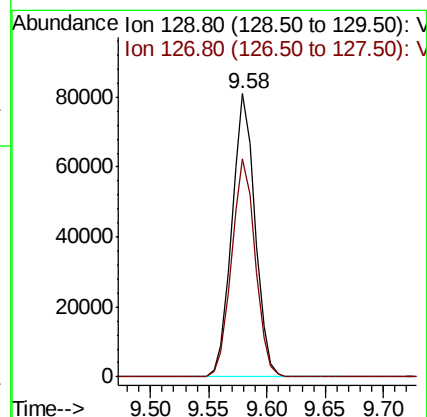
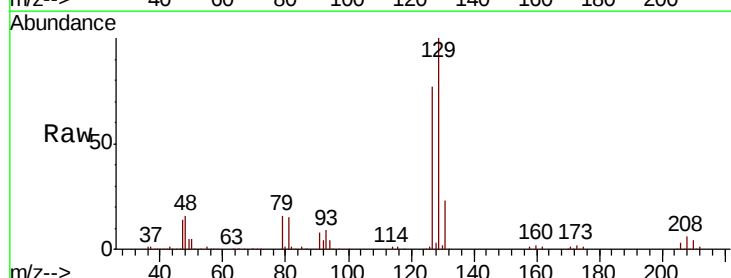
Instrument :
MSVOA_X
ClientSampleId :
BFB

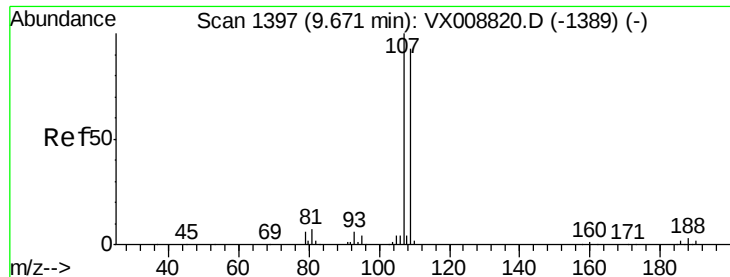
Tot Ion: 43 Resp: 818006
Ion Ratio Lower Upper
43 100
58 51.7 25.9 77.7



#60
Dibromochloromethane
Concen: 57.600 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

Tgt Ion:129 Resp: 112127
Ion Ratio Lower Upper
129 100
127 78.5 38.5 115.3





#61

1,2-Dibromoethane

Concen: 53.773 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Instrument :

MSVOA_X

ClientSampleId :

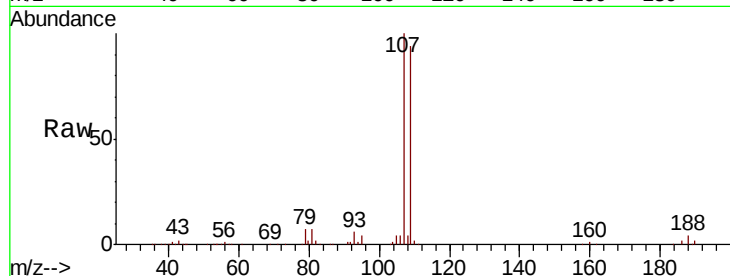
BFB

Tot Ion: 107 Resp: 115644

Ion Ratio Lower Upper

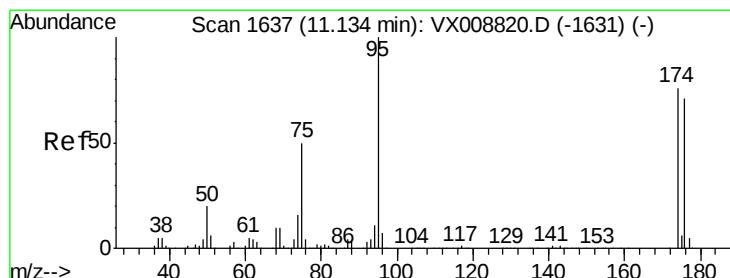
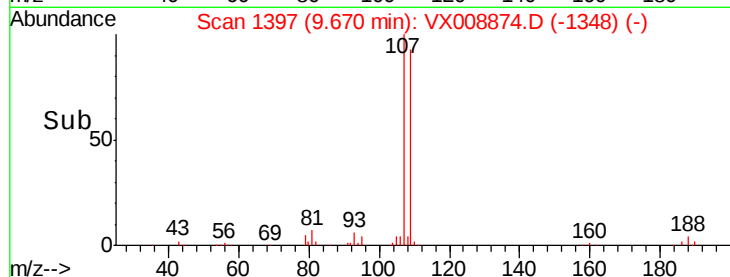
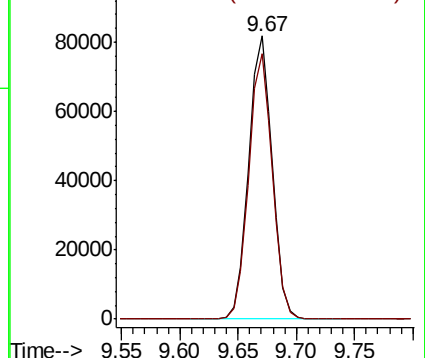
107 100

109 94.2 74.1 111.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.690 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

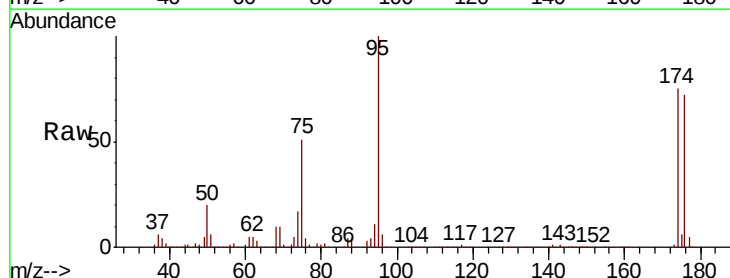
Tgt Ion: 95 Resp: 125089

Ion Ratio Lower Upper

95 100

174 79.3 0.0 151.8

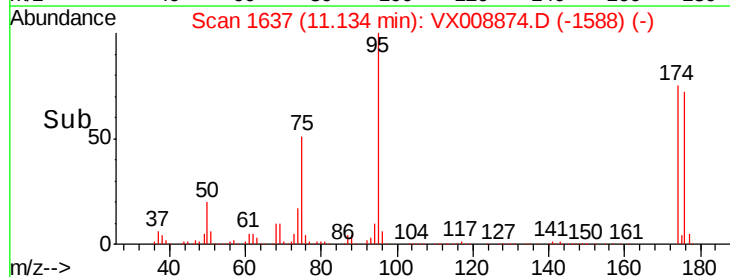
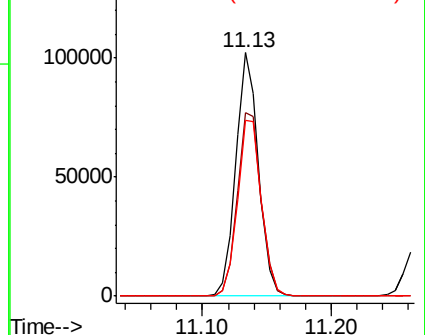
176 76.6 0.0 145.8

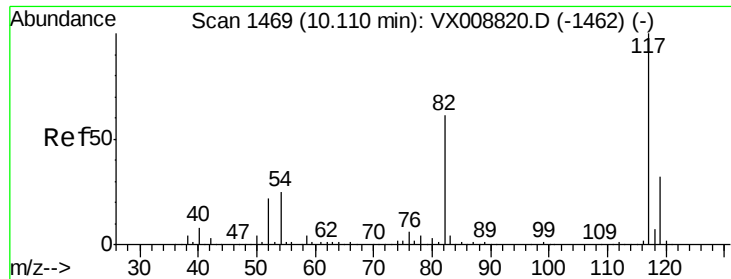


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

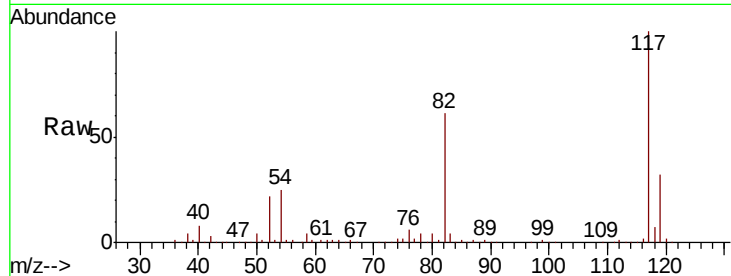




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

Instrument :
MSVOA_X
ClientSampled :
BFB

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.9	49.6	74.4
119	32.0	25.0	37.4

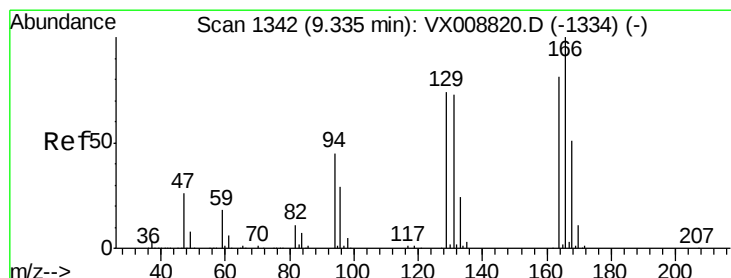
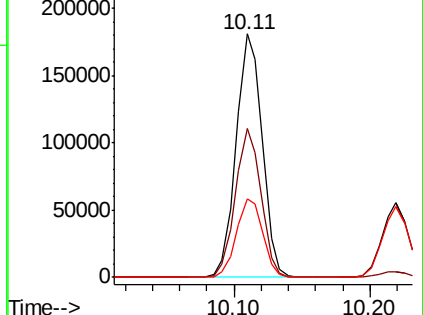
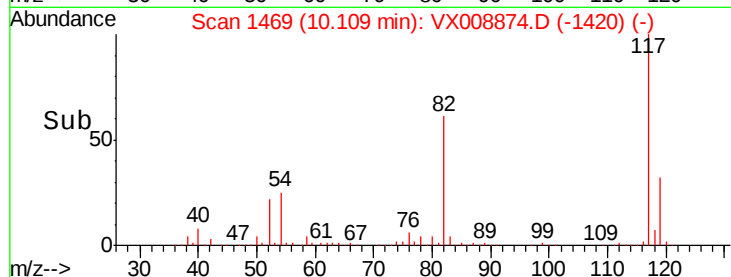


Abundance

Ion 116.90 (116.60 to 117.60): V

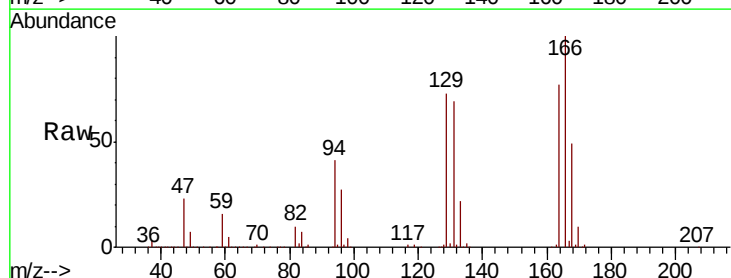
Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 57.754 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.7	101.0	151.6
129	95.1	75.8	113.8
131	89.7	71.8	107.8



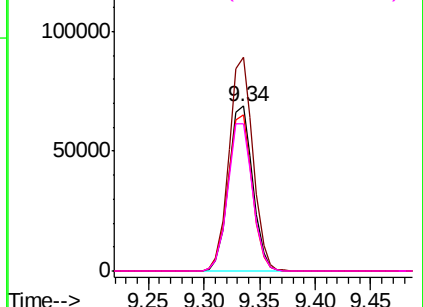
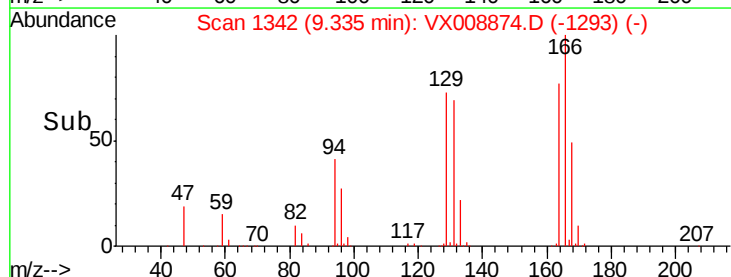
Abundance

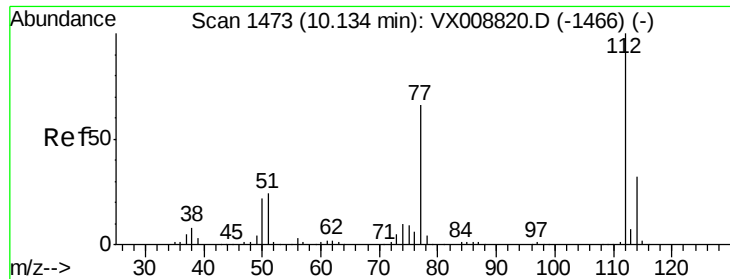
Ion 163.80 (163.50 to 164.50): V

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

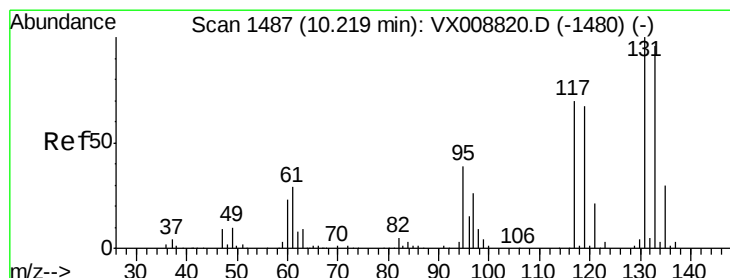
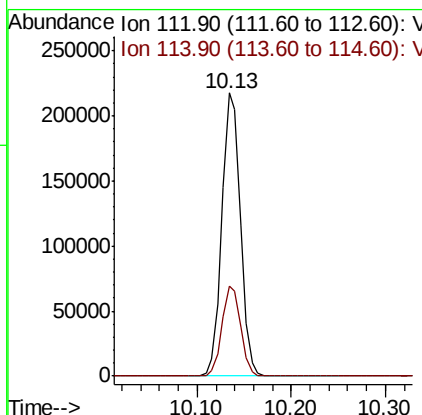
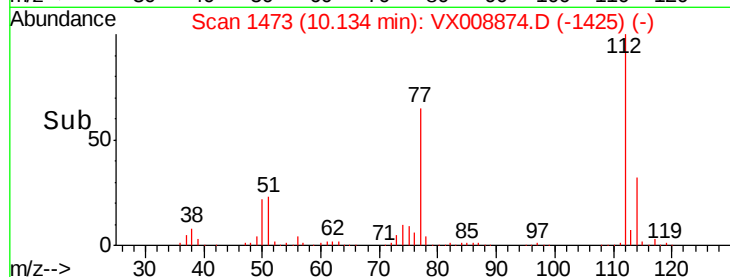
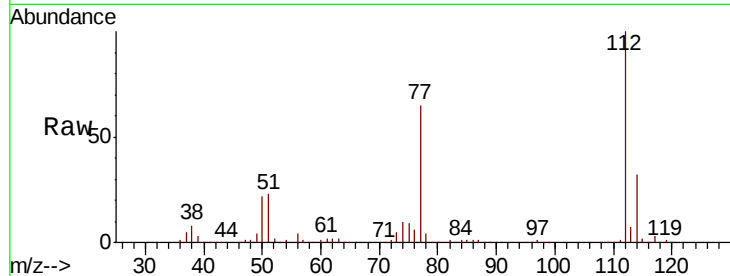




#65
Chlorobenzene
Concen: 55.476 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

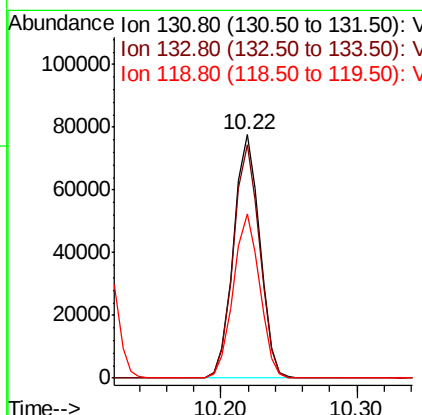
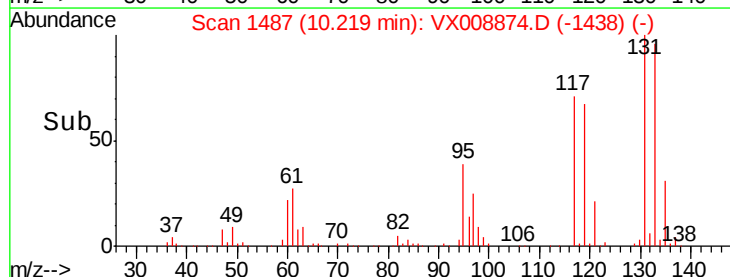
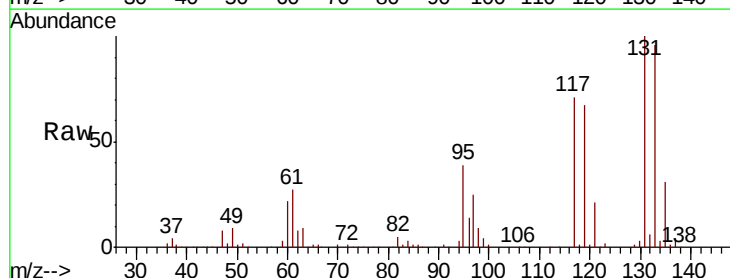
Instrument :
MSVOA_X
ClientSampleId :
BFB

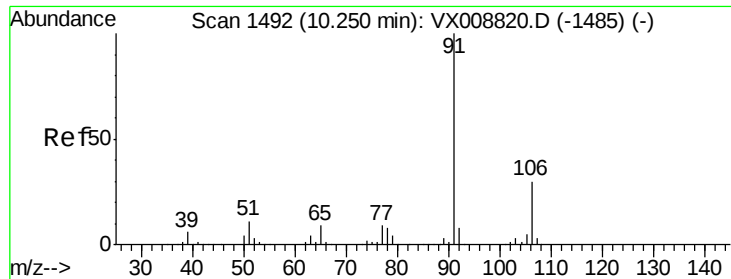
Tot Ion:112 Resp: 295879
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 56.025 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

Tgt Ion:131 Resp: 104827
Ion Ratio Lower Upper
131 100
133 95.8 47.0 141.2
119 67.8 33.7 101.0





#67

Ethyl Benzene

Concen: 55.890 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Instrument :

MSVOA_X

ClientSampleId :

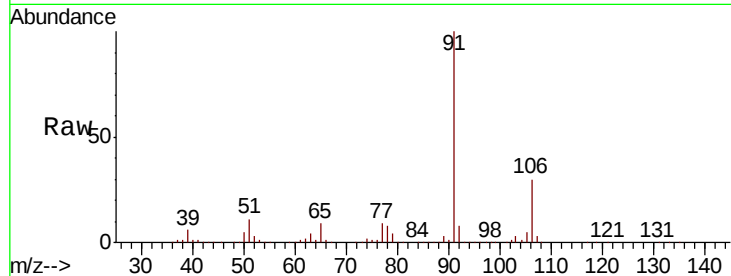
BFB

Tot Ion: 91 Resp: 555838

Ion Ratio Lower Upper

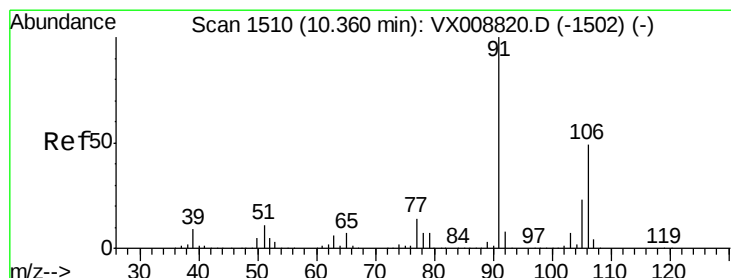
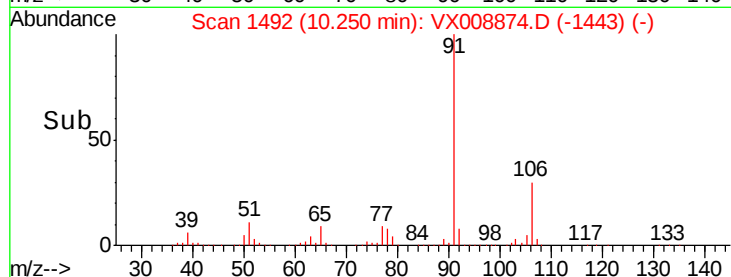
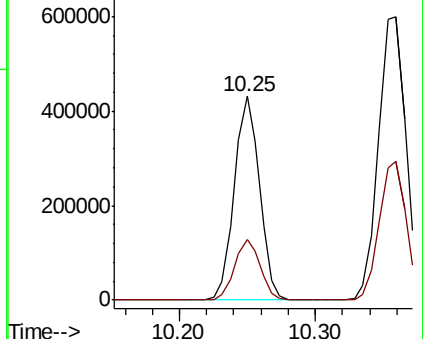
91 100

106 30.1 23.7 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 113.603 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX008874.D

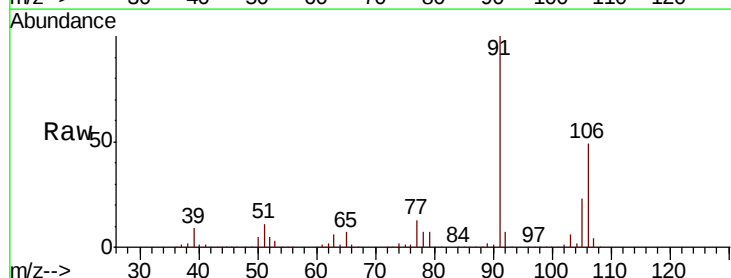
Acq: 12 Apr 2019 10:10

Tgt Ion: 106 Resp: 406222

Ion Ratio Lower Upper

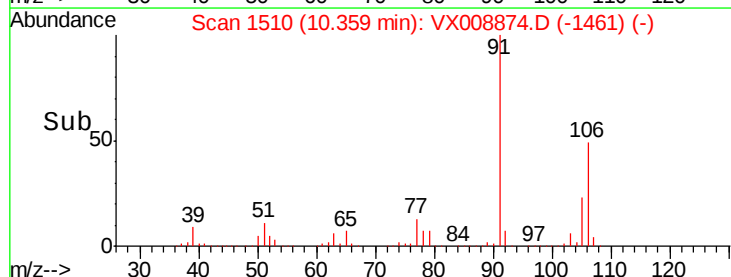
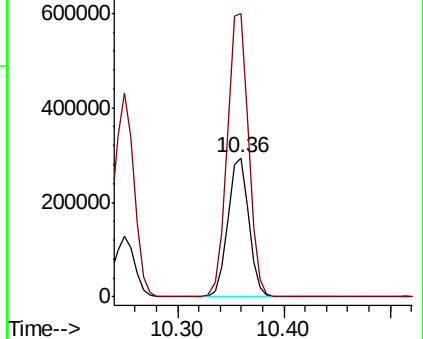
106 100

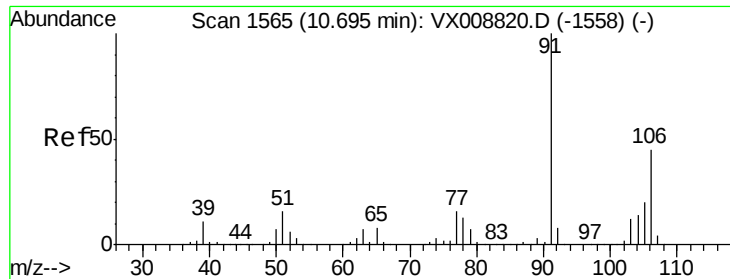
91 207.5 168.5 252.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

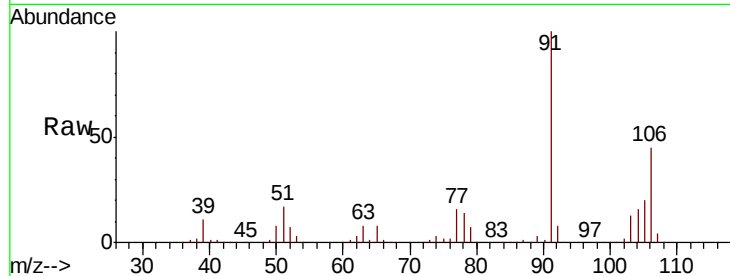




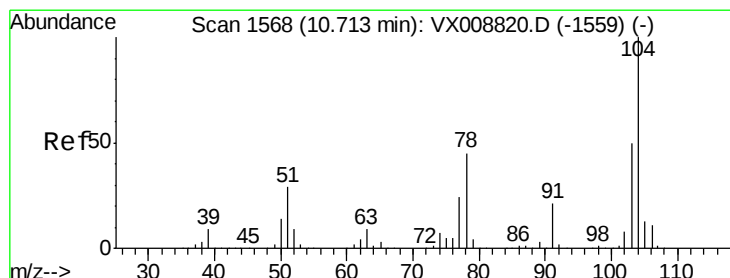
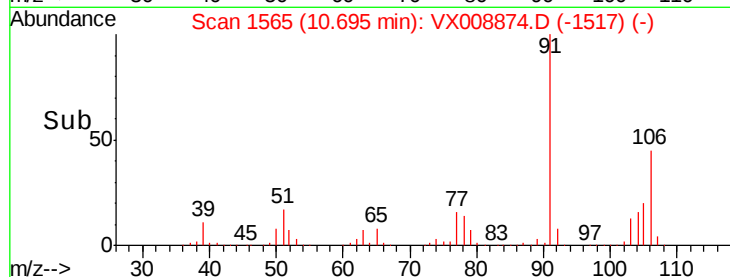
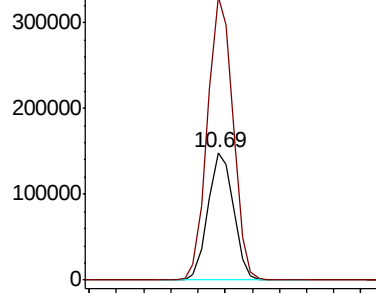
#69
o-Xylene
Concen: 55.831 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

Instrument :
MSVOA_X
ClientSampled :
BFB

Tot Ion:106 Resp: 193475
Ion Ratio Lower Upper
106 100
91 223.0 111.5 334.4

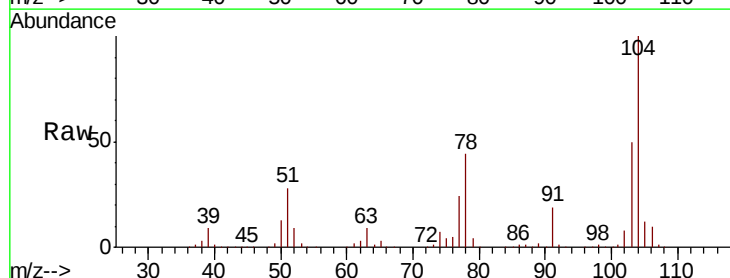


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

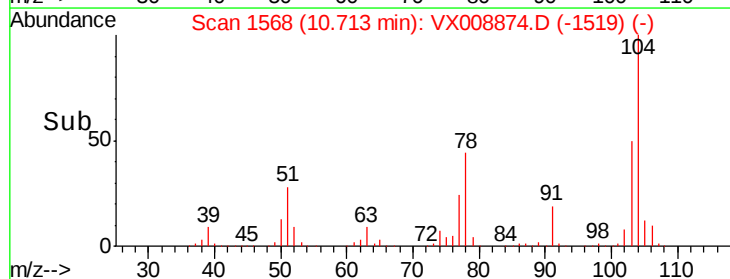
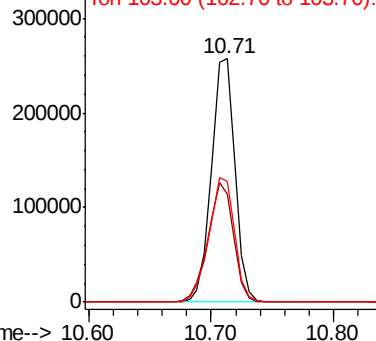


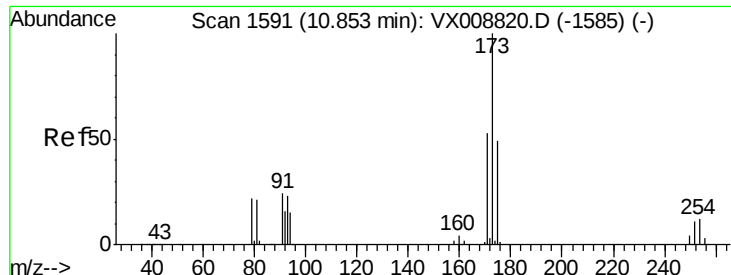
#70
Styrene
Concen: 57.359 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

Tgt Ion:104 Resp: 342627
Ion Ratio Lower Upper
104 100
78 52.8 42.3 63.5
103 55.4 44.4 66.6



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: 59.365 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Instrument :

MSVOA_X

ClientSampleId :

BFB

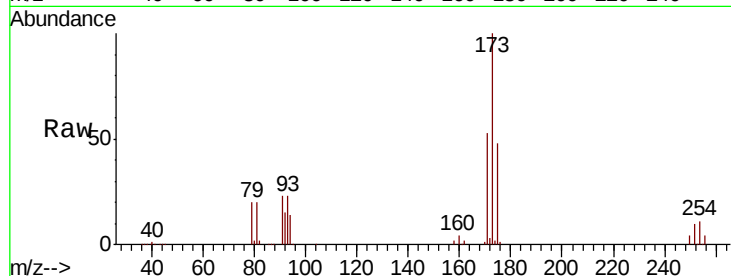
Tot Ion:173 Resp: 84834

Ion Ratio Lower Upper

173 100

175 48.4 24.9 74.6

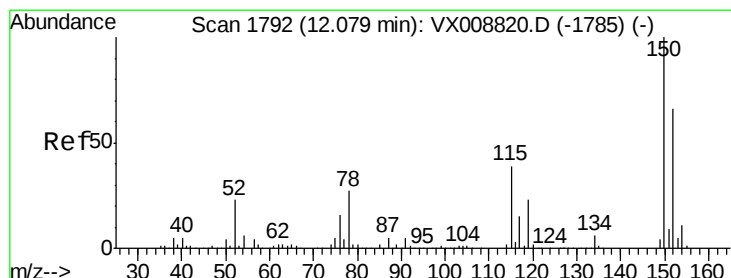
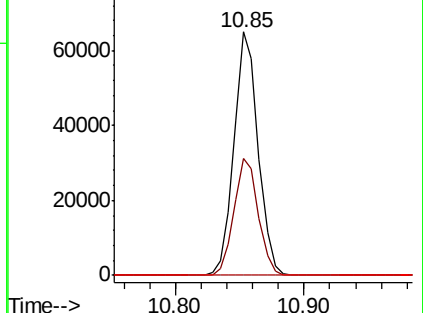
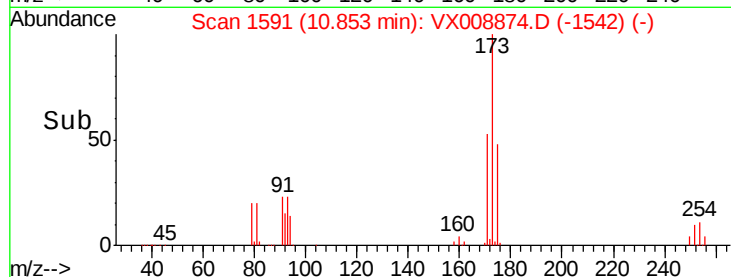
254 0.2 0.1 0.1#



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: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

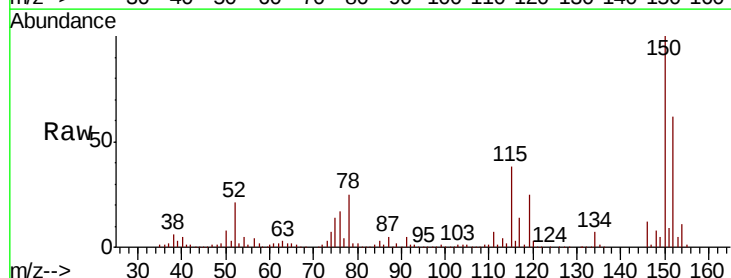
Tgt Ion:152 Resp: 116117

Ion Ratio Lower Upper

152 100

115 89.2 43.5 130.5

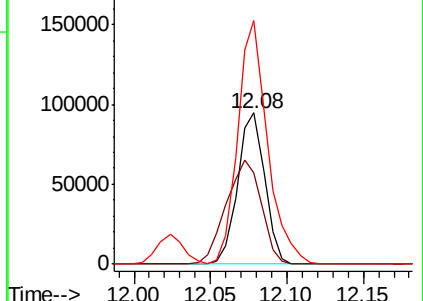
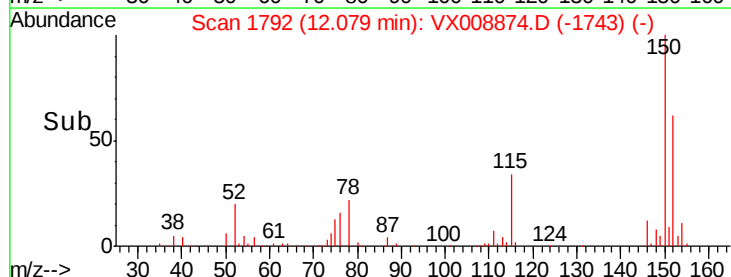
150 176.5 0.0 348.8

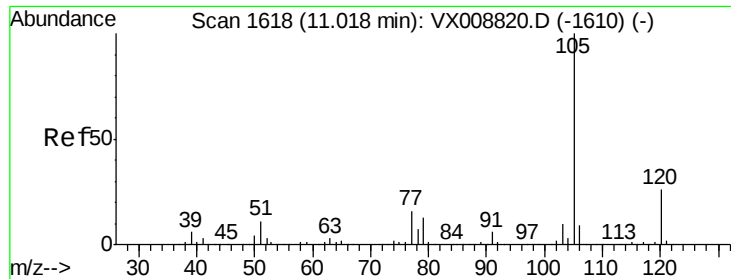


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

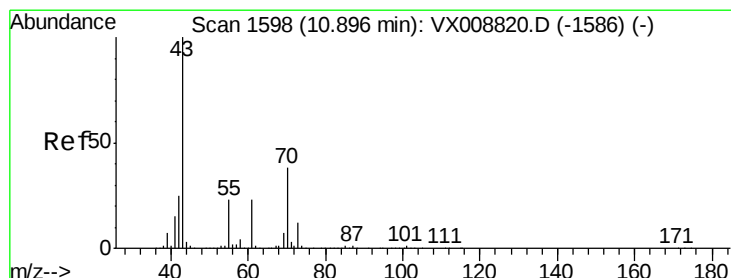
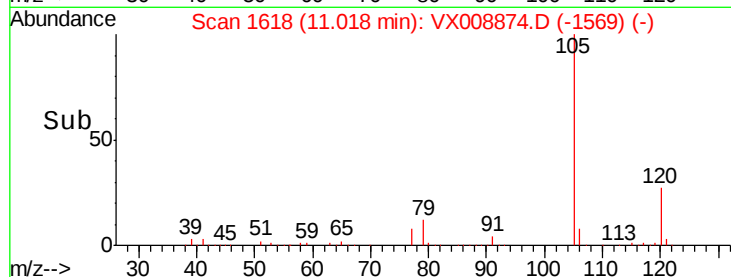
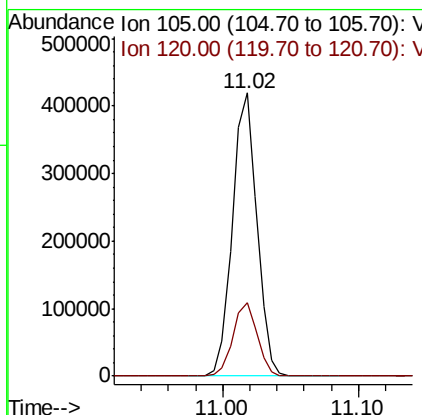
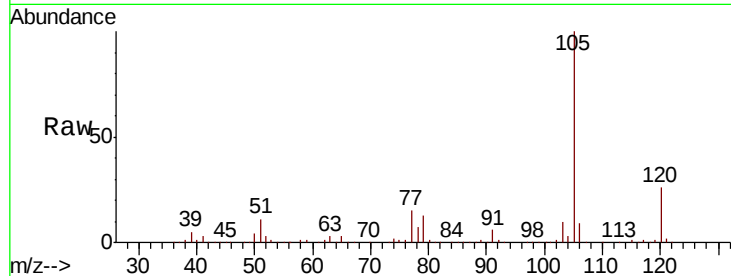




#73
Isopropylbenzene
Concen: 54.512 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

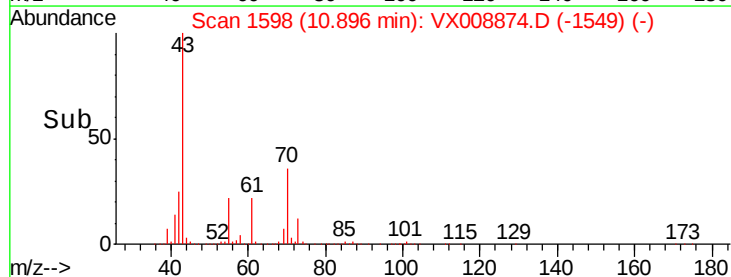
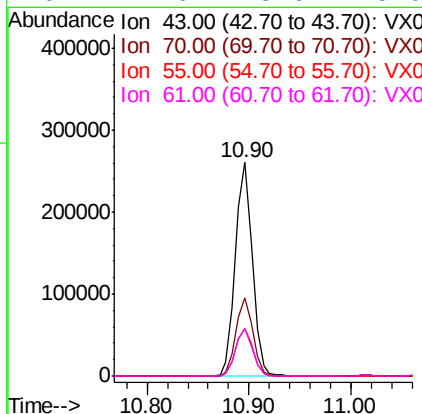
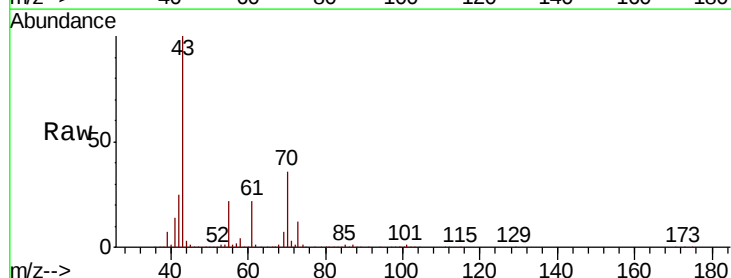
Instrument :
MSVOA_X
ClientSampleId :
BFB

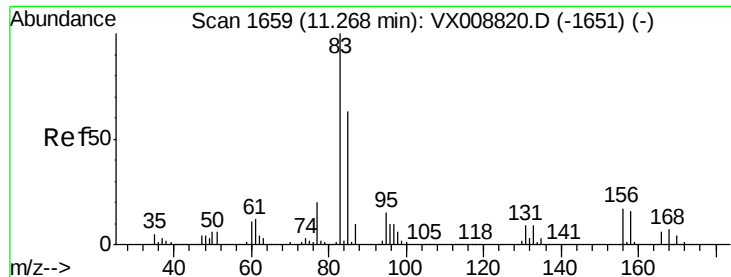
Tot Ion:105 Resp: 524570
Ion Ratio Lower Upper
105 100
120 25.8 12.9 38.6



#74
N-ethyl acetate
Concen: 52.369 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

Tgt Ion: 43 Resp: 296490
Ion Ratio Lower Upper
43 100
70 36.8 30.2 45.4
55 22.4 18.2 27.4
61 22.6 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.465 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Instrument :

MSVOA_X

ClientSampleId :

BFB

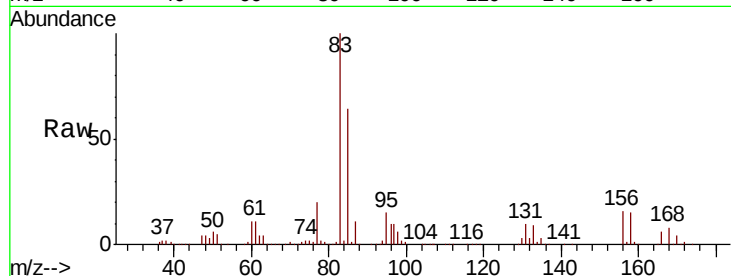
Tot Ion: 83 Resp: 177370

Ion Ratio Lower Upper

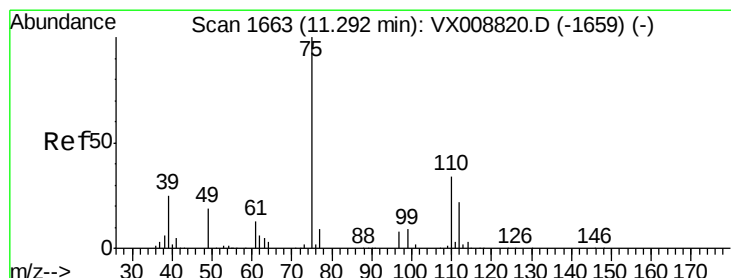
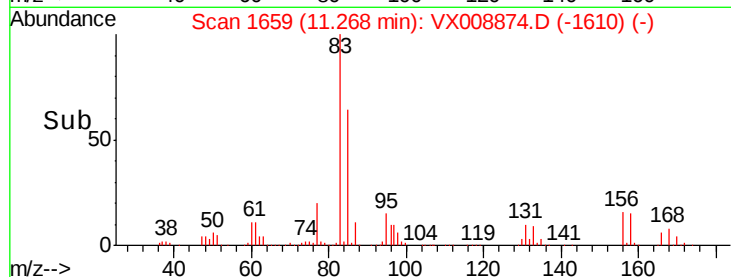
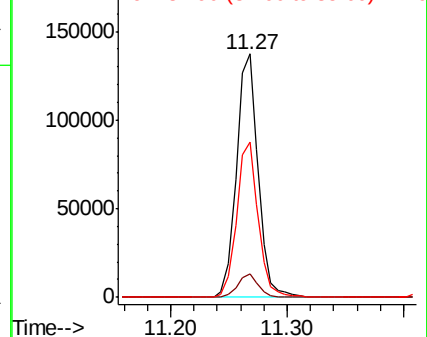
83 100

131 9.2 4.5 13.7

85 63.6 32.0 96.2



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: 68.460 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VX008874.D

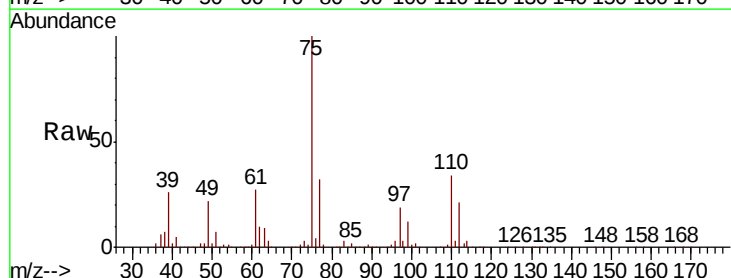
Acq: 12 Apr 2019 10:10

Tgt Ion: 75 Resp: 218378

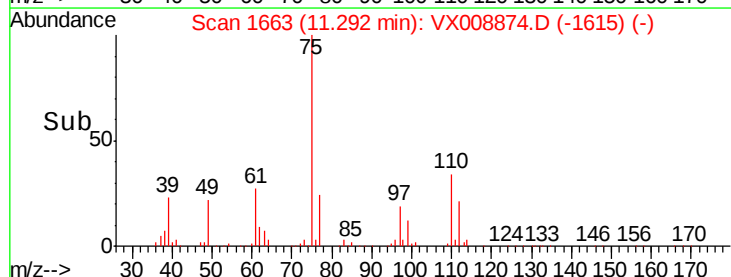
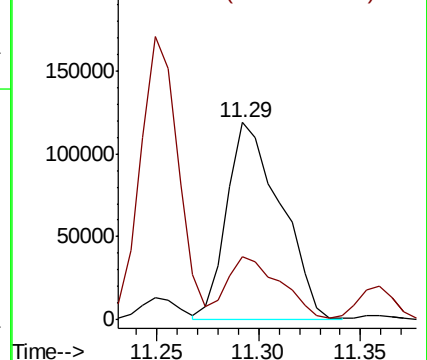
Ion Ratio Lower Upper

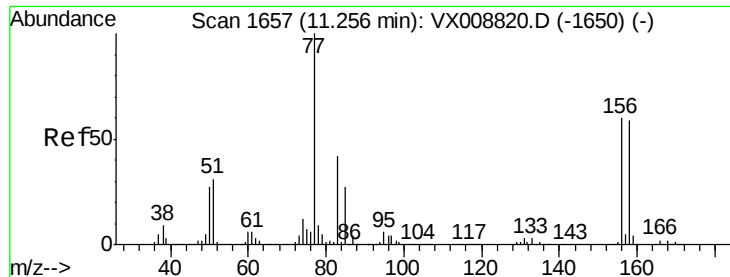
75 100

77 31.7 22.3 66.8



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 54.489 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Instrument :

MSVOA_X

ClientSampled :

BFB

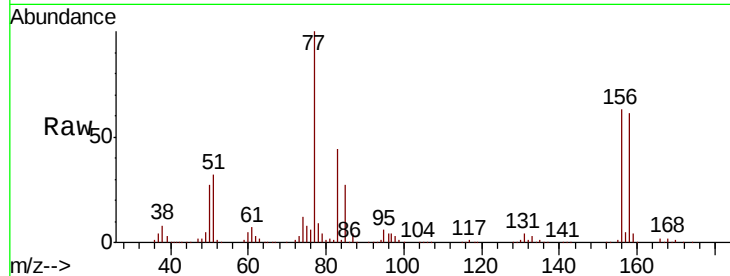
Tot Ion:156 Resp: 126054

Ion Ratio Lower Upper

156 100

77 174.4 89.8 269.6

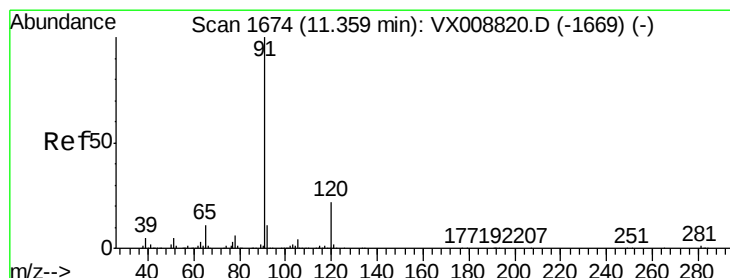
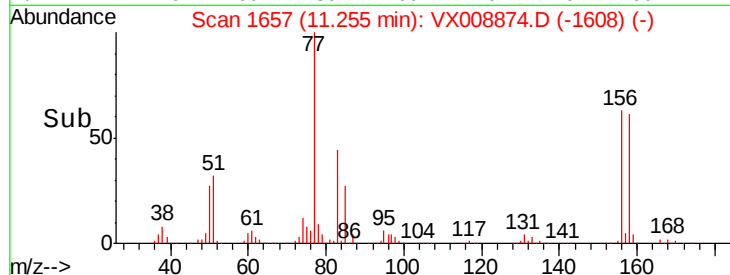
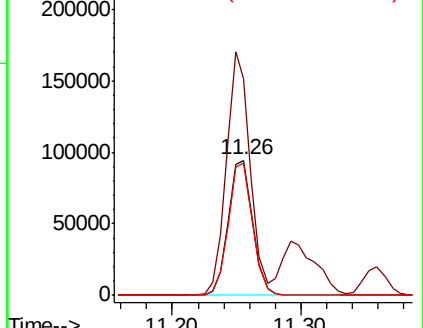
158 97.2 48.6 145.9



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: 55.623 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008874.D

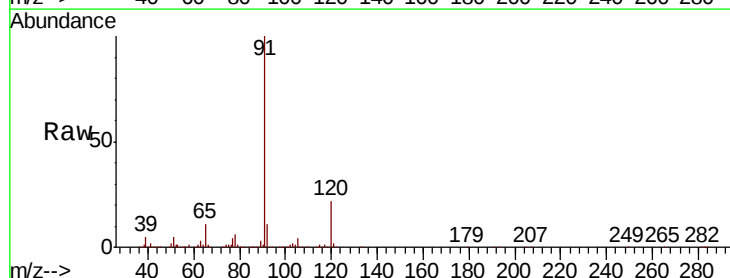
Acq: 12 Apr 2019 10:10

Tgt Ion: 91 Resp: 623233

Ion Ratio Lower Upper

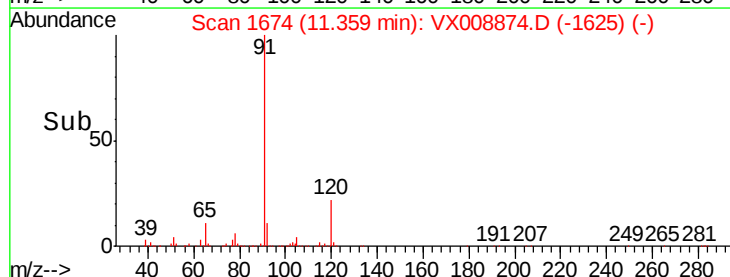
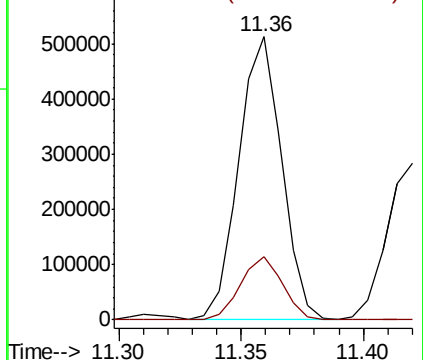
91 100

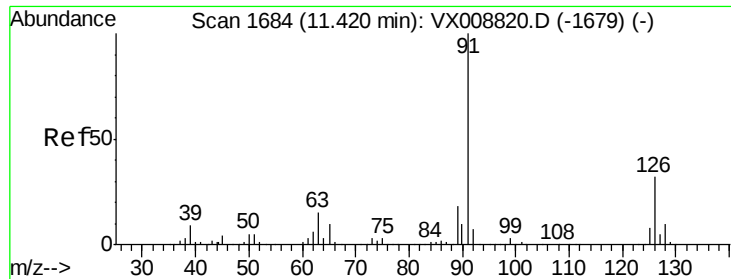
120 22.1 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.237 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Instrument :

MSVOA_X

ClientSampleId :

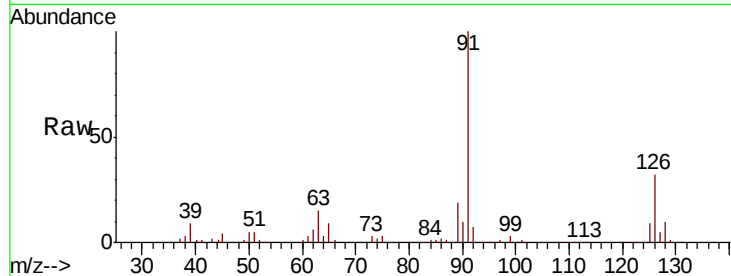
BFB

Tot Ion: 91 Resp: 360980

Ion Ratio Lower Upper

91 100

126 32.5 16.1 48.3



Abundance Ion 91.00 (90.70 to 91.70): VX008820.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX008820.D (-1679) (-)

600000

500000

400000

300000

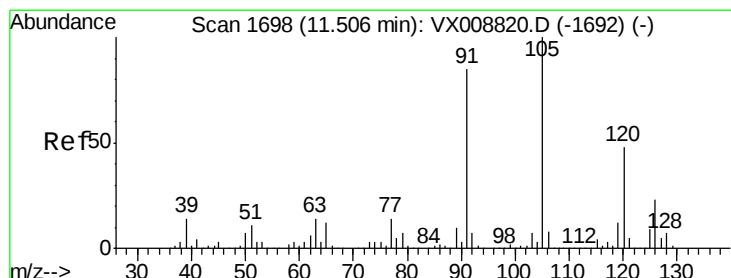
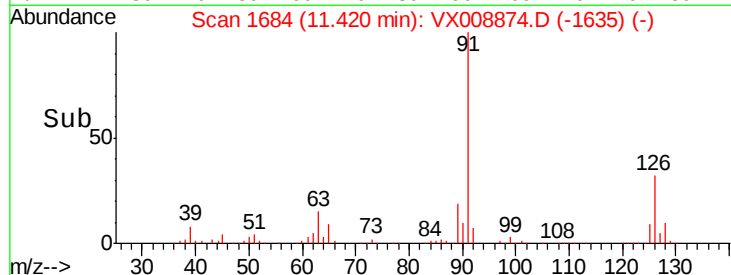
200000

100000

0

11.40 11.42 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 55.135 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008874.D

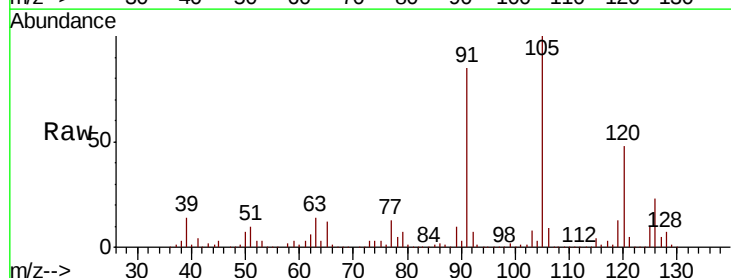
Acq: 12 Apr 2019 10:10

Tgt Ion:105 Resp: 445366

Ion Ratio Lower Upper

105 100

120 48.0 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): VX008820.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX008820.D (-1692) (-)

400000

300000

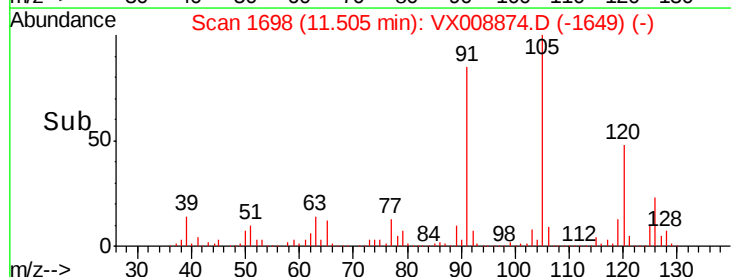
200000

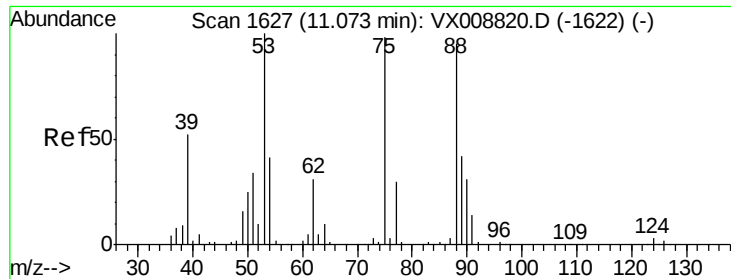
100000

0

11.40 11.50 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 57.185 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Instrument :

MSVOA_X

ClientSampleId :

BFB

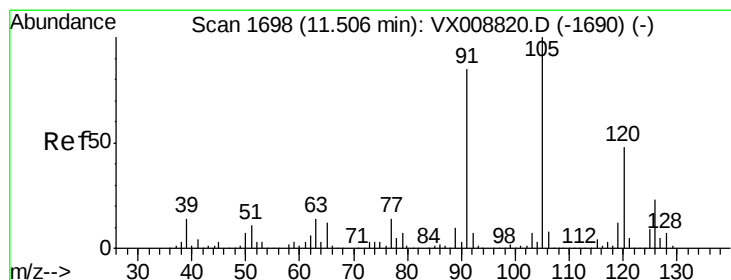
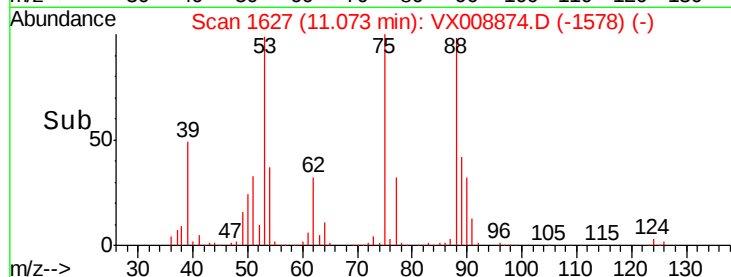
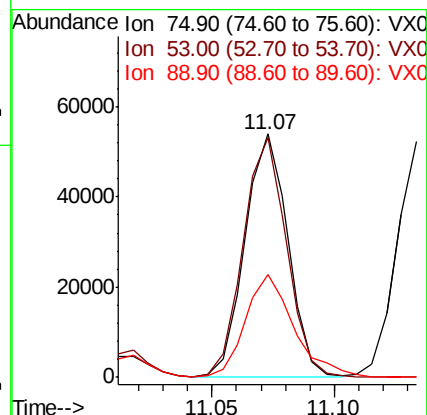
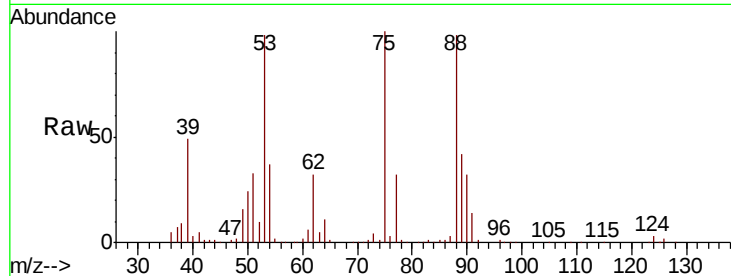
Tot Ion: 75 Resp: 66174

Ion Ratio Lower Upper

75 100

53 100.2 81.3 121.9

89 47.8 35.6 53.4



#82

4-Chlorotoluene

Concen: 53.532 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX008874.D

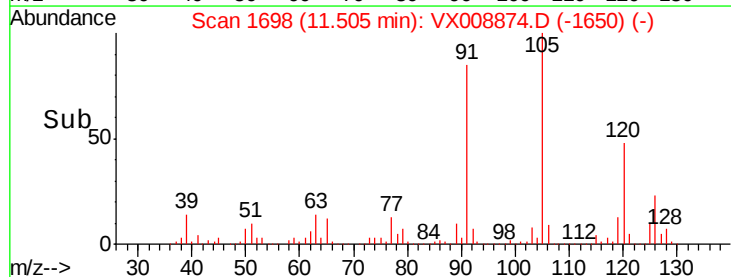
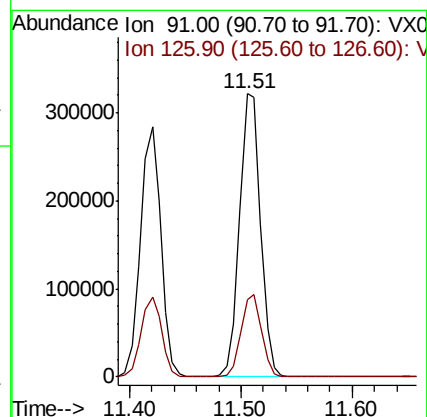
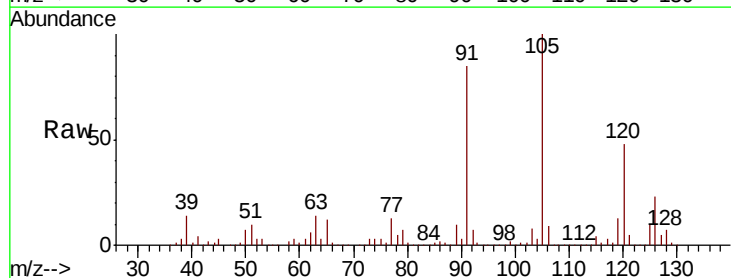
Acq: 12 Apr 2019 10:10

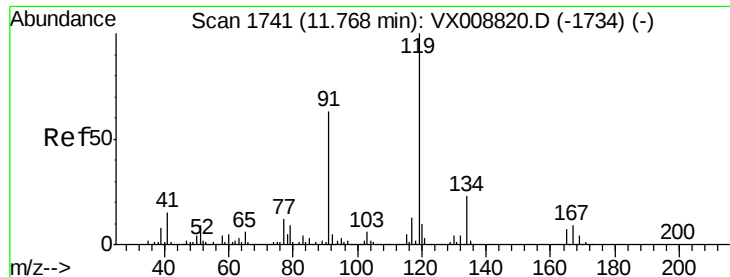
Tgt Ion: 91 Resp: 420160

Ion Ratio Lower Upper

91 100

126 28.4 13.9 41.6

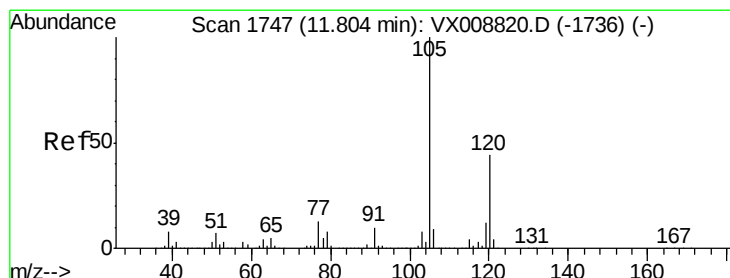
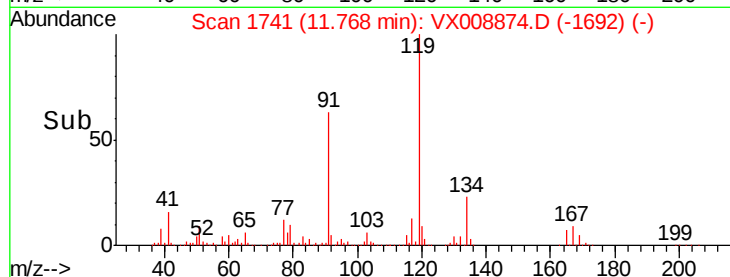
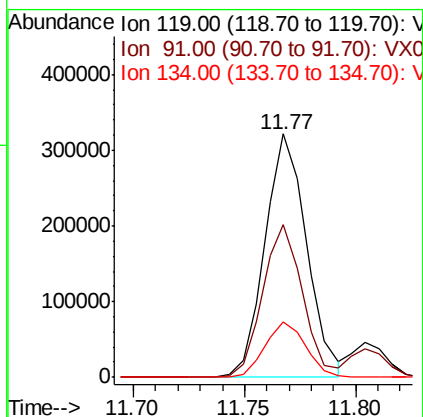
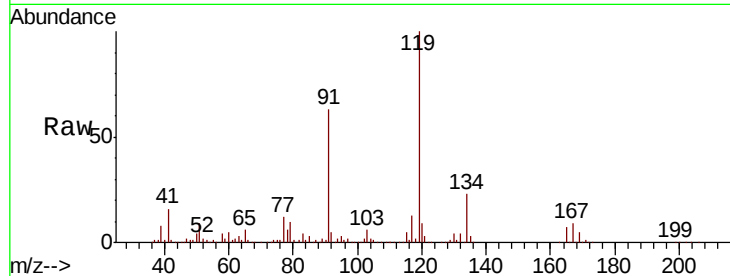




#83
 tert-Butylbenzene
 Concen: 53.799 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX008874.D
 Acq: 12 Apr 2019 10:10

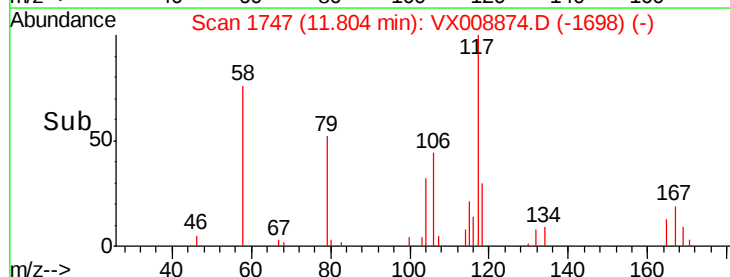
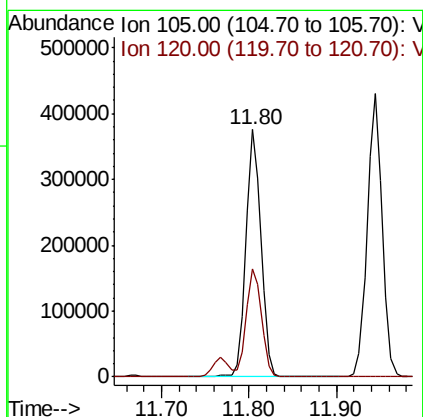
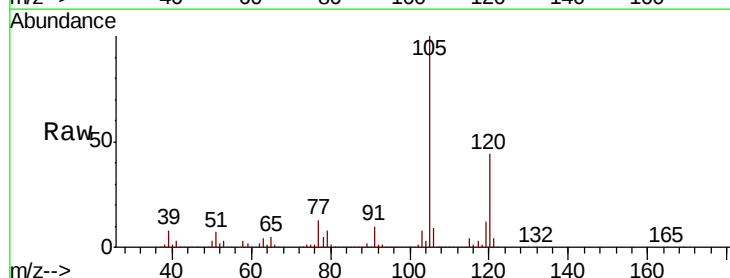
Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

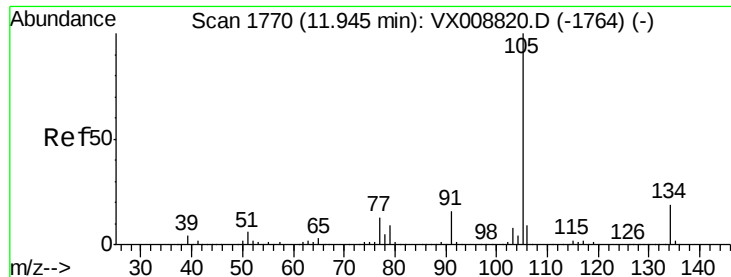
Tot Ion:119 Resp: 418093
 Ion Ratio Lower Upper
 119 100
 91 60.3 30.0 90.1
 134 22.3 11.1 33.3



#84
 1,2,4-Trimethylbenzene
 Concen: 54.692 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX008874.D
 Acq: 12 Apr 2019 10:10

Tgt Ion:105 Resp: 447336
 Ion Ratio Lower Upper
 105 100
 120 43.9 21.8 65.3





#85

sec-Butylbenzene

Concen: 55.757 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Instrument :

MSVOA_X

ClientSampleId :

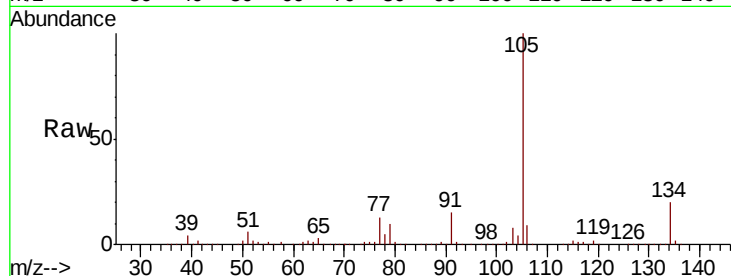
BFB

Tot Ion:105 Resp: 514687

Ion Ratio Lower Upper

105 100

134 19.5 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

400000

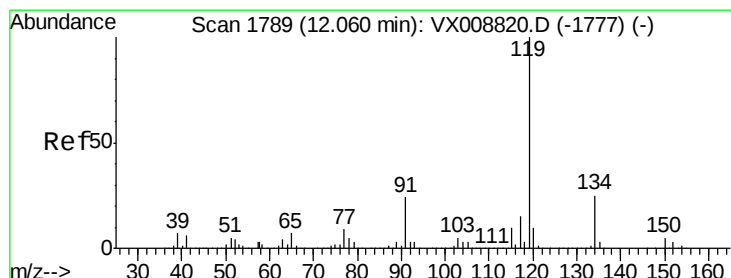
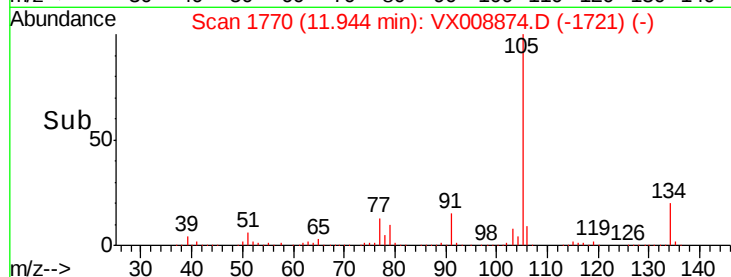
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 56.968 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

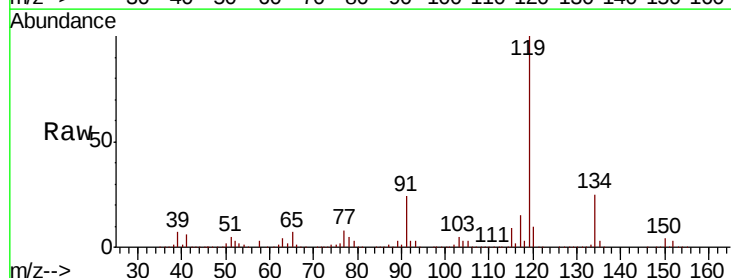
Tgt Ion:119 Resp: 471986

Ion Ratio Lower Upper

119 100

134 25.8 12.8 38.4

91 23.7 12.2 36.6



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

12.06

400000

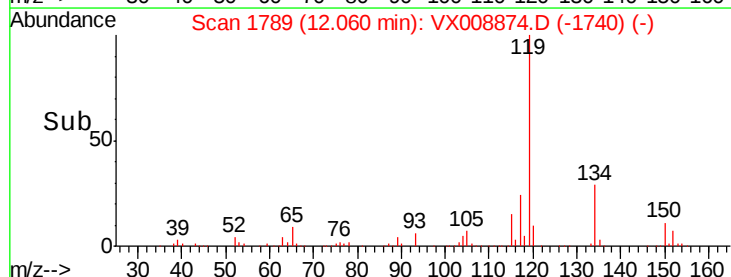
300000

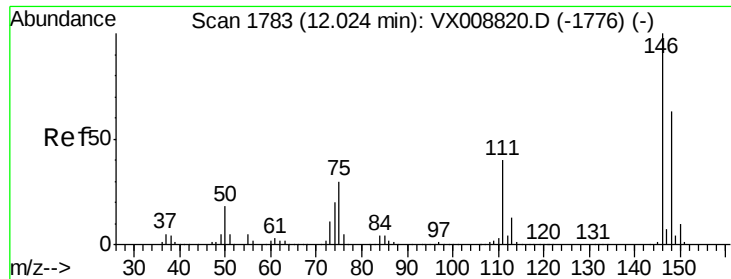
200000

100000

0

Time-->

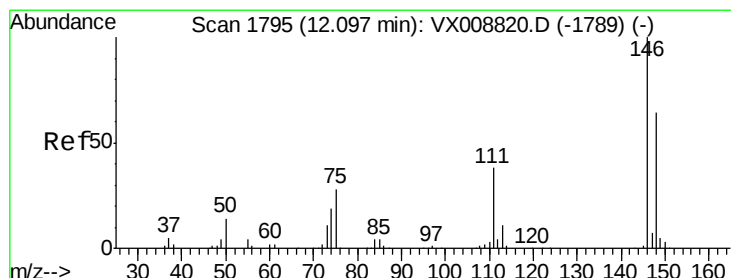
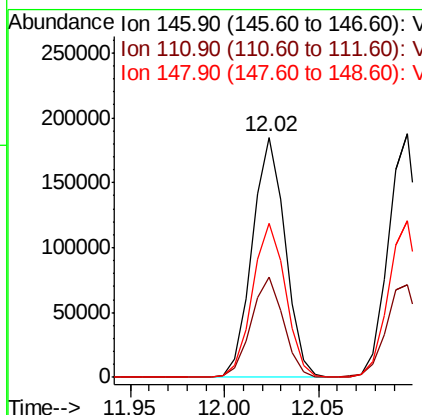
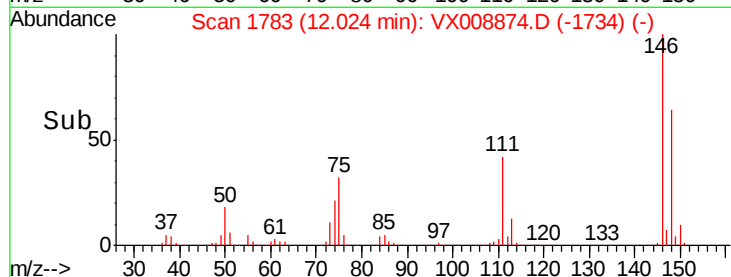
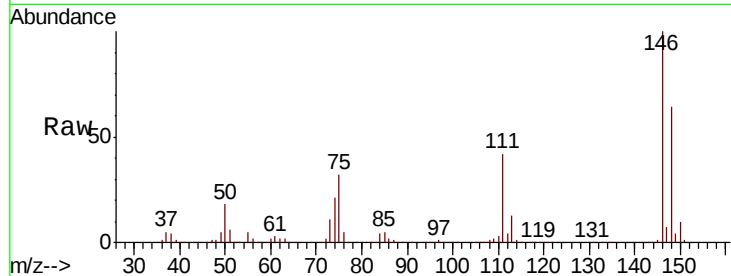




#87
 1,3-Dichlorobenzene
 Concen: 54.143 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008874.D
 Acq: 12 Apr 2019 10:10

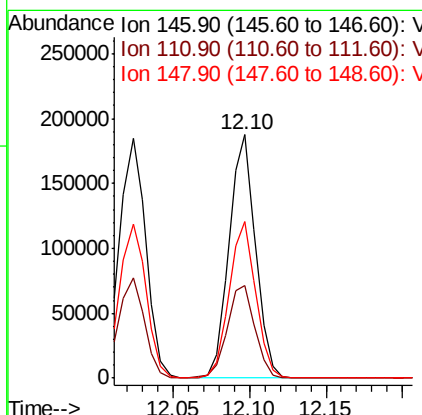
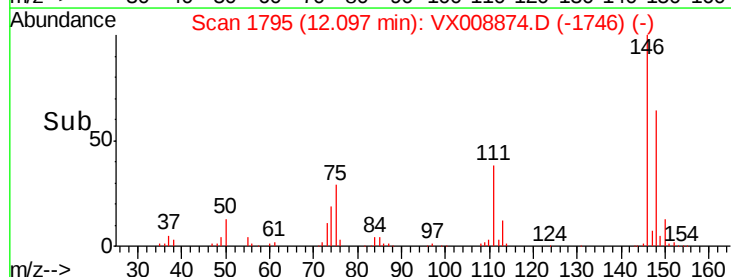
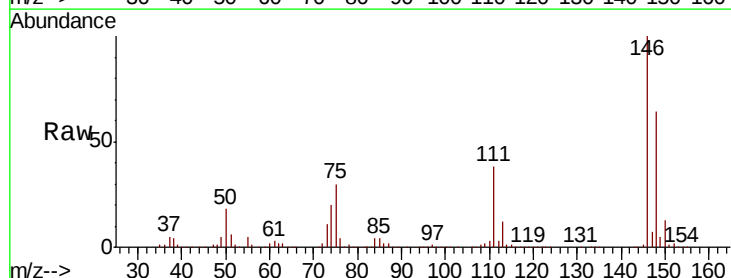
Instrument :
 MSVOA_X
 ClientSampled :
 BFB

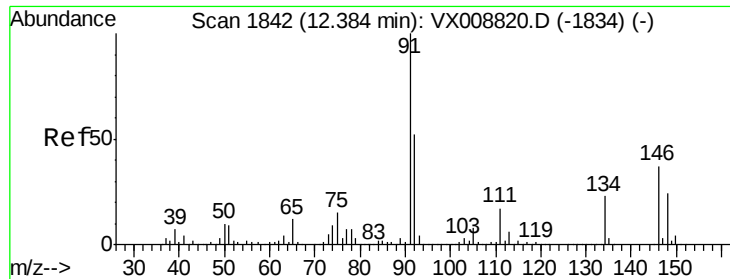
Tot Ion:146 Resp: 224229
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.5 61.5
 148 64.5 31.6 94.7



#88
 1,4-Dichlorobenzene
 Concen: 53.289 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008874.D
 Acq: 12 Apr 2019 10:10

Tgt Ion:146 Resp: 223479
 Ion Ratio Lower Upper
 146 100
 111 40.1 20.2 60.6
 148 64.4 32.0 96.0

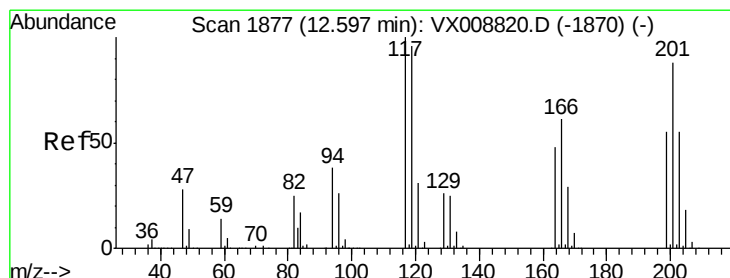
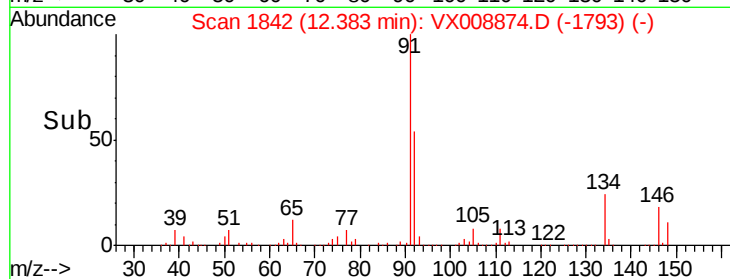
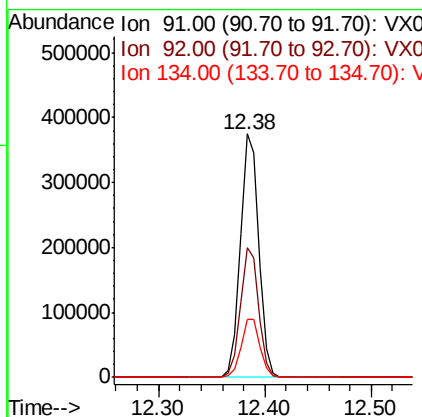
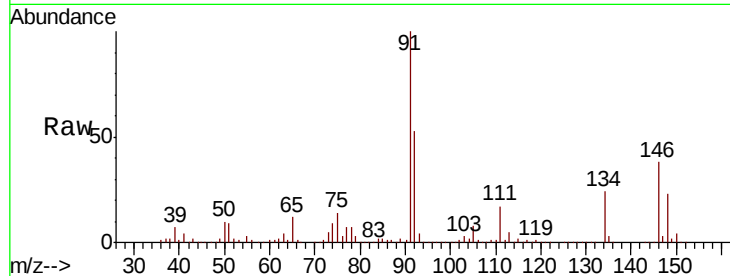




#89
n-Butylbenzene
Concen: 58.362 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

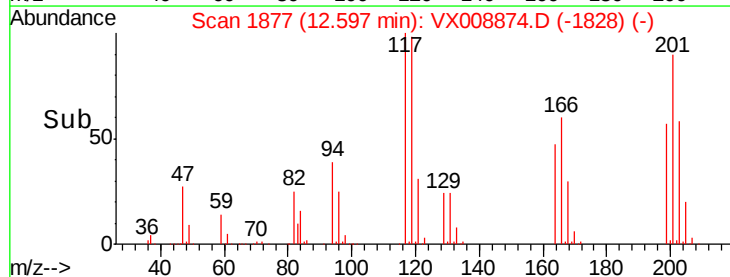
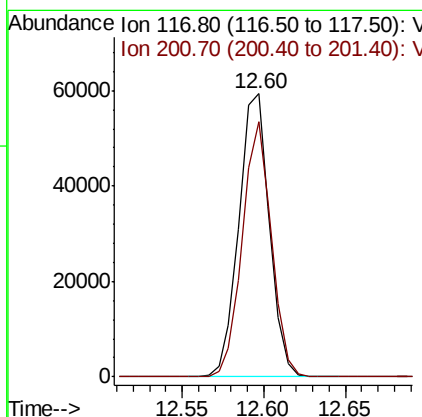
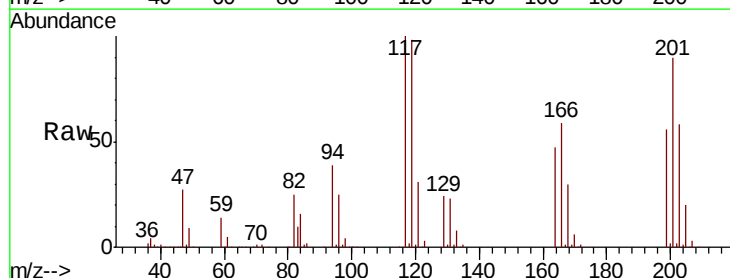
Instrument :
MSVOA_X
ClientSampled :
BFB

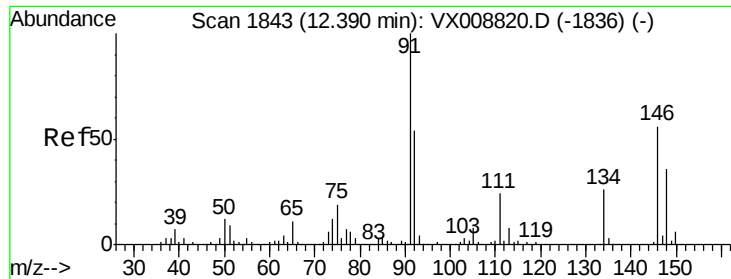
Tot Ion: 91 Resp: 453474
Ion Ratio Lower Upper
91 100
92 52.9 26.4 79.2
134 24.5 12.0 36.0



#90
Hexachloroethane
Concen: 56.440 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX008874.D
Acq: 12 Apr 2019 10:10

Tgt Ion: 117 Resp: 77558
Ion Ratio Lower Upper
117 100
201 85.6 40.6 122.0





#91

1,2-Dichlorobenzene

Concen: 53.320 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Instrument :

MSVOA_X

ClientSampleId :

BFB

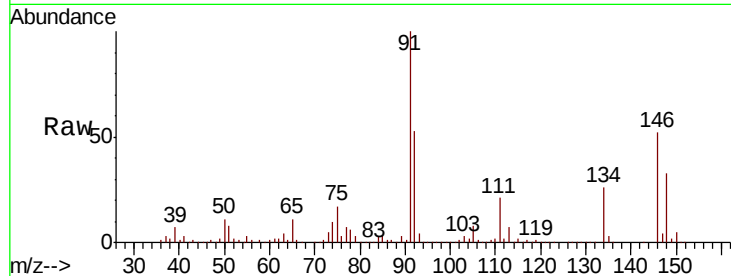
Tot Ion:146 Resp: 219248

Ion Ratio Lower Upper

146 100

111 42.0 21.3 63.9

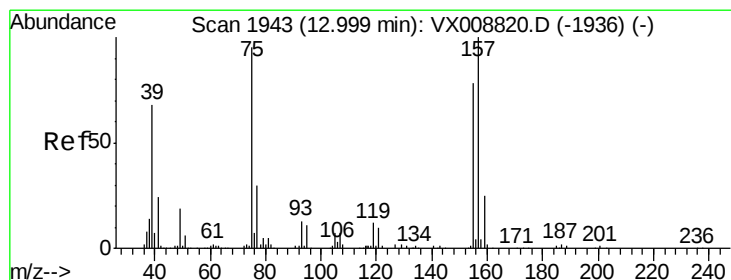
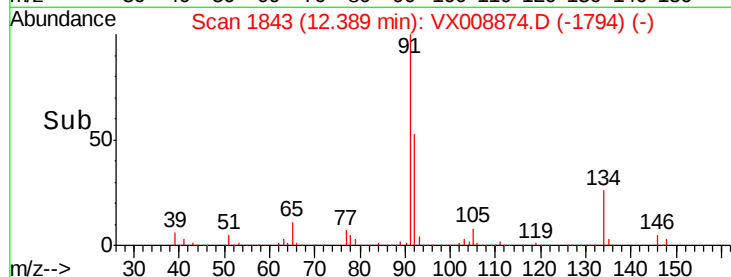
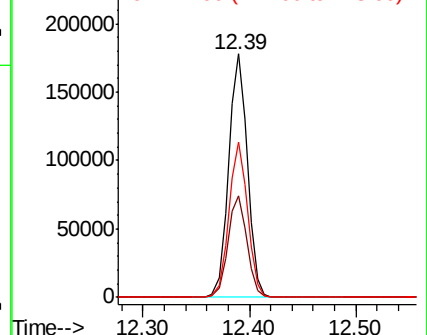
148 63.5 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.934 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

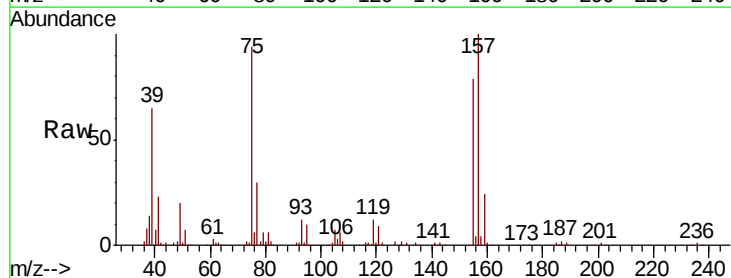
Tgt Ion: 75 Resp: 39396

Ion Ratio Lower Upper

75 100

155 80.9 39.9 119.6

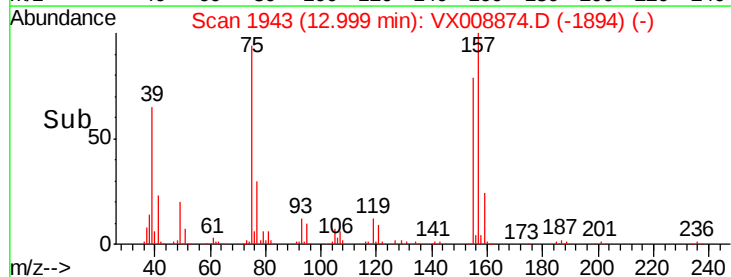
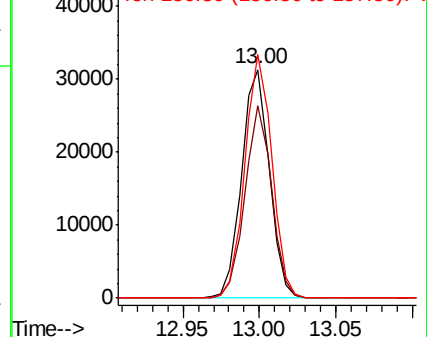
157 104.1 51.5 154.7

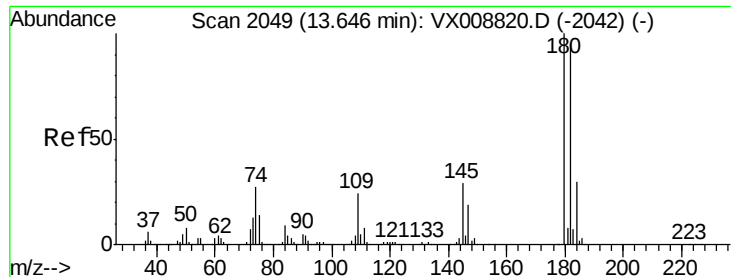


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

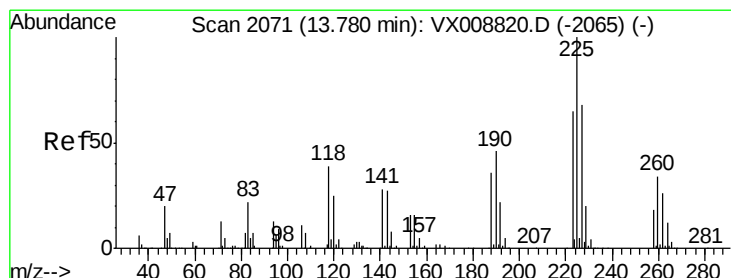
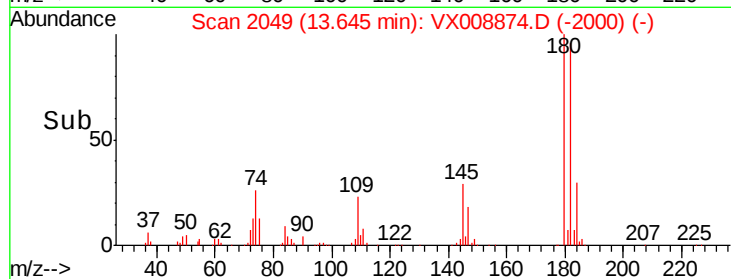
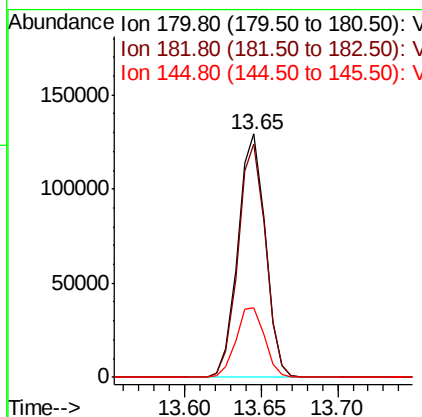
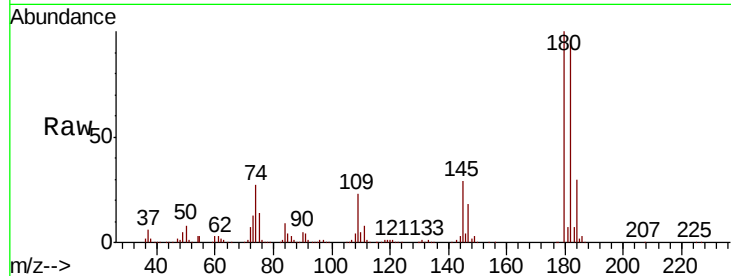




#93
 1,2,4-Trichlorobenzene
 Concen: 56.218 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008874.D
 Acq: 12 Apr 2019 10:10

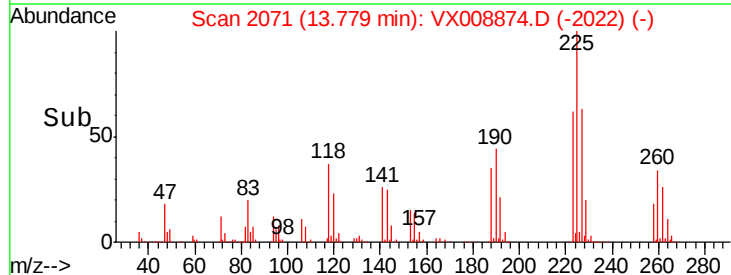
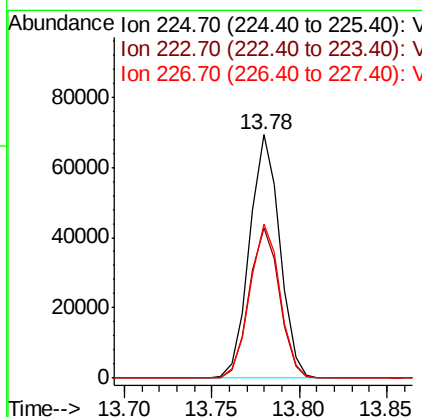
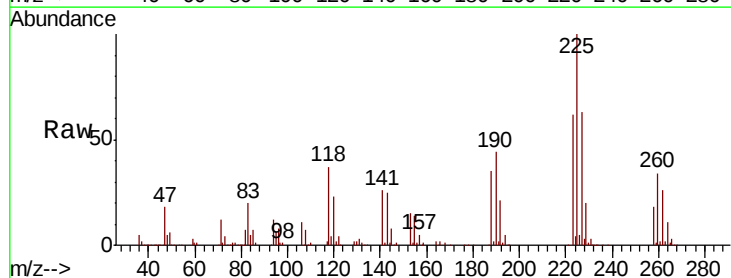
Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

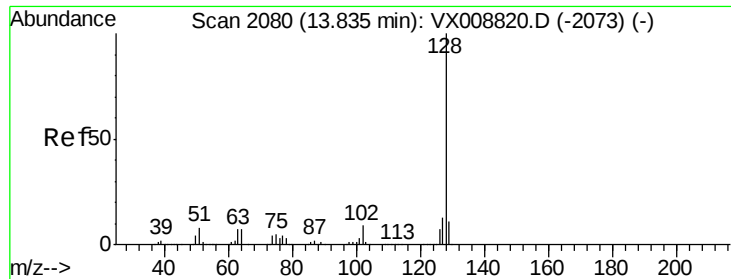
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.2	141.6
145	29.7	15.3	45.9



#94
 Hexachlorobutadiene
 Concen: 60.441 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008874.D
 Acq: 12 Apr 2019 10:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	31.2	93.6
227	63.2	31.9	95.5





#95

Naphthalene

Concen: 52.712 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

Instrument :

MSVOA_X

ClientSampled :

BFB

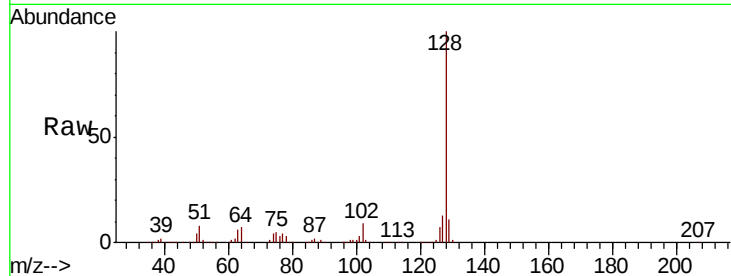
Tot Ion:128 Resp: 503686

Ion Ratio Lower Upper

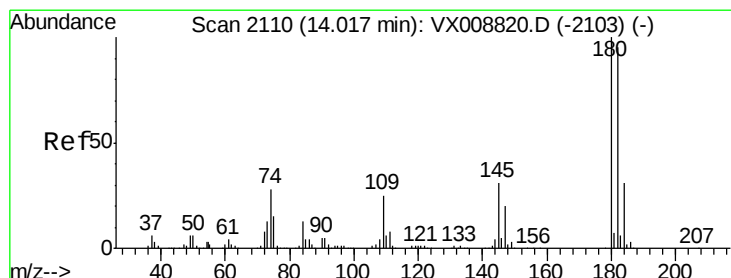
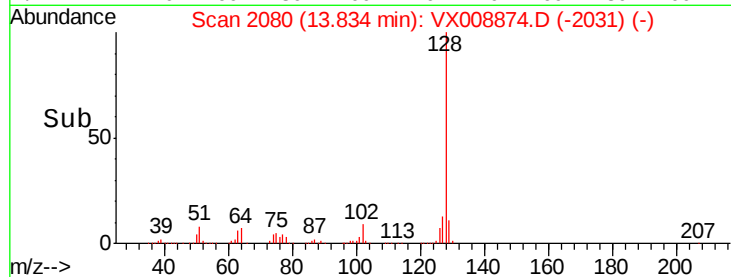
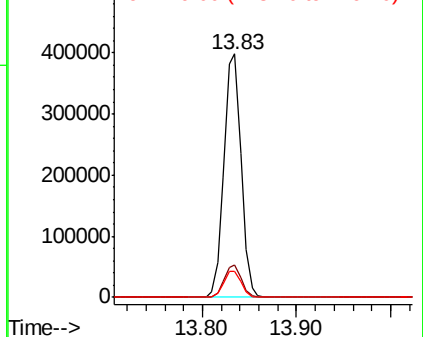
128 100

127 13.1 10.4 15.6

129 10.8 8.6 13.0



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: 55.725 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX008874.D

Acq: 12 Apr 2019 10:10

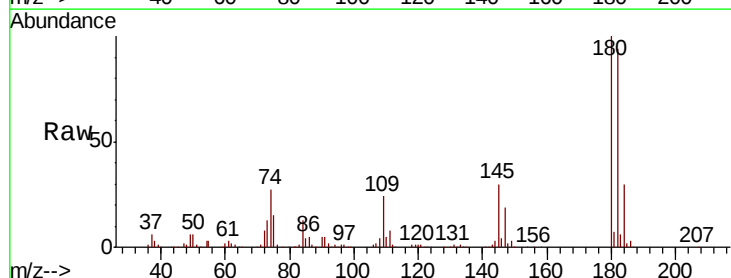
Tgt Ion:180 Resp: 159180

Ion Ratio Lower Upper

180 100

182 94.8 48.1 144.3

145 30.7 16.3 48.8



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

