

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032319\
 Data File : VX008354.D
 Acq On : 23 Mar 2019 16:22
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

Quant Time: Mar 25 08:36:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 15:27:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	232685	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	393131	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	351659	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	166143	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	176788	49.81	ug/l	0.00
Spiked Amount			Recovery	=	99.62%	
35) Dibromofluoromethane	5.49	113	130081	51.07	ug/l	0.00
Spiked Amount			Recovery	=	102.14%	
50) Toluene-d8	8.71	98	528697	52.48	ug/l	0.00
Spiked Amount			Recovery	=	104.96%	
62) 4-Bromofluorobenzene	11.13	95	197301	53.34	ug/l	0.00
Spiked Amount			Recovery	=	106.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	129014	48.979	ug/l	99
3) Chloromethane	1.32	50	184770	47.318	ug/l	99
4) Vinyl Chloride	1.40	62	179762	47.167	ug/l	99
5) Bromomethane	1.64	94	117138	48.809	ug/l	100
6) Chloroethane	1.71	64	102760	46.038	ug/l	100
7) Trichlorofluoromethane	1.92	101	206028	47.537	ug/l	98
8) Diethyl Ether	2.18	74	94511	45.543	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.38	101	125711	48.964	ug/l	89
10) Methyl Iodide	2.51	142	157845	48.459	ug/l	97
11) Tert butyl alcohol	3.05	59	178052	225.244	ug/l	99
12) 1,1-Dichloroethene	2.37	96	125740	47.445	ug/l	91
13) Acrolein	2.29	56	164926	244.158	ug/l	98
14) Allyl chloride	2.72	41	276281	47.123	ug/l	95
15) Acrylonitrile	3.14	53	465974	230.190	ug/l	99
16) Acetone	2.44	43	408426	230.243	ug/l	98
17) Carbon Disulfide	2.56	76	389133	45.919	ug/l	100
18) Methyl Acetate	2.77	43	197696	44.524	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	456296	47.804	ug/l	96
20) Methylene Chloride	2.85	84	147337	46.138	ug/l	91
21) trans-1,2-Dichloroethene	3.16	96	132702	46.243	ug/l	91
22) Diisopropyl ether	3.85	45	547055	47.922	ug/l #	88
23) Vinyl Acetate	3.81	43	2467117	244.781	ug/l	97
24) 1,1-Dichloroethane	3.69	63	276196	47.455	ug/l	98
25) 2-Butanone	4.67	43	684468	234.334	ug/l	97
26) 2,2-Dichloropropane	4.58	77	187597	50.029	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	152743	46.472	ug/l	90
28) Bromochloromethane	5.01	49	153239	52.741	ug/l #	79
29) Tetrahydrofuran	5.13	42	443800	228.828	ug/l	96
30) Chloroform	5.21	83	247788	47.221	ug/l	100
31) Cyclohexane	5.57	56	271361	48.622	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	200733	48.351	ug/l	96
36) 1,1-Dichloropropene	5.80	75	198767	49.479	ug/l	96
37) Ethyl Acetate	4.83	43	260608	47.933	ug/l	98
38) Carbon Tetrachloride	5.78	117	168797	49.018	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032319\
 Data File : VX008354.D
 Acq On : 23 Mar 2019 16:22
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

Quant Time: Mar 25 08:36:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 15:27:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	7.46	83	253201	51.421	ug/l	91
40) Benzene	6.14	78	596506	48.758	ug/l	100
41) Methacrylonitrile	5.04	41	144419	48.733	ug/l	96
42) 1,2-Dichloroethane	6.19	62	210133	47.330	ug/l	96
43) Isopropyl Acetate	6.44	43	419992	49.608	ug/l	97
44) Trichloroethene	7.21	130	135550	47.711	ug/l	86
45) 1,2-Dichloropropane	7.51	63	169717	49.002	ug/l	99
46) Dibromomethane	7.66	93	97174	47.277	ug/l #	85
47) Bromodichloromethane	7.90	83	193225	49.286	ug/l	99
48) Methyl methacrylate	7.77	41	213109	49.885	ug/l	94
49) 1,4-Dioxane	7.74	88	76725	890.163	ug/l	91
51) 4-Methyl-2-Pentanone	8.64	43	1345245	242.178	ug/l	98
52) Toluene	8.78	92	361934	50.452	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	221533	52.556	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	248135	51.921	ug/l	92
55) 1,1,2-Trichloroethane	9.21	97	144269	48.415	ug/l	97
56) Ethyl methacrylate	9.18	69	270353	51.249	ug/l	91
57) 1,3-Dichloropropane	9.37	76	257755	48.556	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	839432	295.126	ug/l	92
59) 2-Hexanone	9.49	43	1025059	240.389	ug/l	96
60) Dibromochloromethane	9.58	129	140770	50.895	ug/l	98
61) 1,2-Dibromoethane	9.67	107	150964	49.919	ug/l	99
64) Tetrachloroethene	9.34	164	115336	50.154	ug/l	96
65) Chlorobenzene	10.13	112	365808	49.601	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	129732	50.724	ug/l	98
67) Ethyl Benzene	10.25	91	699779	50.673	ug/l	97
68) m/p-Xylenes	10.36	106	506579	102.096	ug/l	92
69) o-Xylene	10.69	106	243536	50.195	ug/l	94
70) Styrene	10.71	104	429165	51.005	ug/l	96
71) Bromoform	10.85	173	101613	51.575	ug/l #	100
73) Isopropylbenzene	11.02	105	656045	50.035	ug/l	98
74) N-amyl acetate	10.90	43	382210	49.789	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	242730	46.476	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	203247m	46.737	ug/l	
77) Bromobenzene	11.26	156	152611	49.191	ug/l	80
78) n-propylbenzene	11.36	91	789410	51.369	ug/l	95
79) 2-Chlorotoluene	11.42	91	456530	48.769	ug/l	94
80) 1,3,5-Trimethylbenzene	11.51	105	561013	50.298	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	80813	52.957	ug/l	91
82) 4-Chlorotoluene	11.51	91	537201	49.804	ug/l	94
83) tert-Butylbenzene	11.77	119	532867	50.169	ug/l	94
84) 1,2,4-Trimethylbenzene	11.80	105	561191	50.418	ug/l	97
85) sec-Butylbenzene	11.94	105	649861	51.051	ug/l	96
86) p-Isopropyltoluene	12.06	119	589387	52.529	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	275965	49.527	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	276456	48.762	ug/l	97
89) n-Butylbenzene	12.38	91	570902	53.298	ug/l	97
90) Hexachloroethane	12.60	117	97470	52.590	ug/l	79
91) 1,2-Dichlorobenzene	12.39	146	274114	48.574	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	52826	47.458	ug/l	76

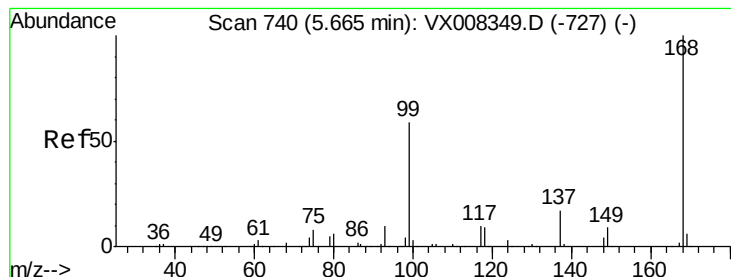
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX032319\
Data File : VX008354.D
Acq On : 23 Mar 2019 16:22
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Quant Time: Mar 25 08:36:30 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032319W.M
Quant Title : SW846 8260
QLast Update : Sat Mar 23 15:27:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	194067	50.997	ug/l	99
94) Hexachlorobutadiene	13.78	225	95623	53.170	ug/l	99
95) Naphthalene	13.83	128	650534	48.680	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	191792	49.946	ug/l	99

(#) = 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. -0.01 min

Lab File: VX008354.D

Acq: 23 Mar 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

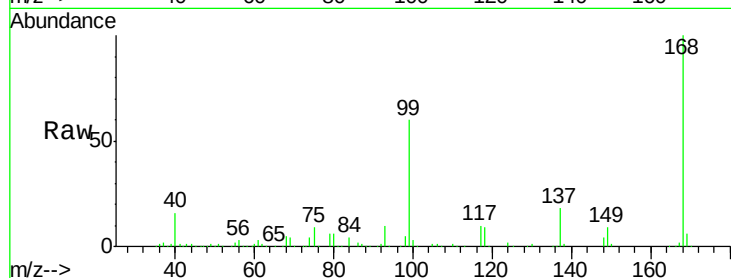
BFB

Tot Ion:168 Resp: 232685

Ion Ratio Lower Upper

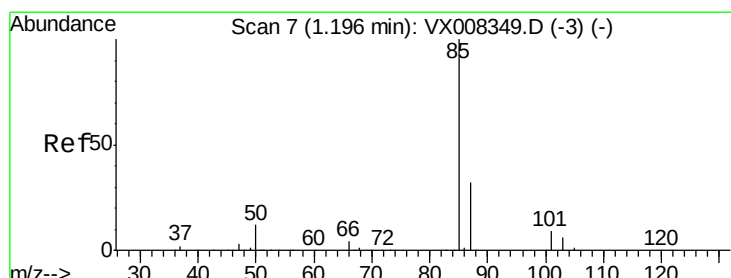
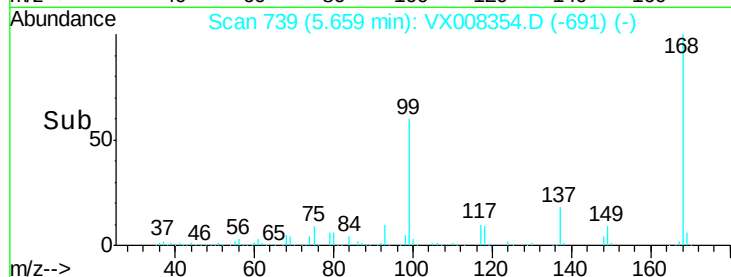
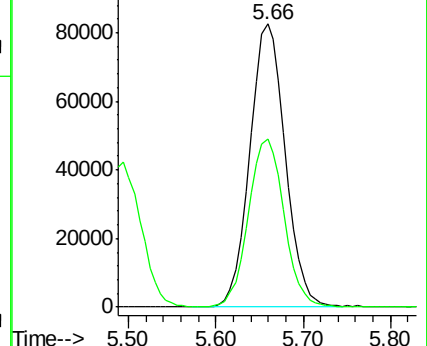
168 100

99 59.4 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 48.979 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008354.D

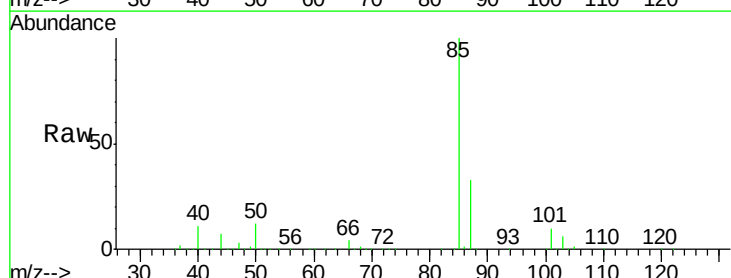
Acq: 23 Mar 2019 16:22

Tgt Ion: 85 Resp: 129014

Ion Ratio Lower Upper

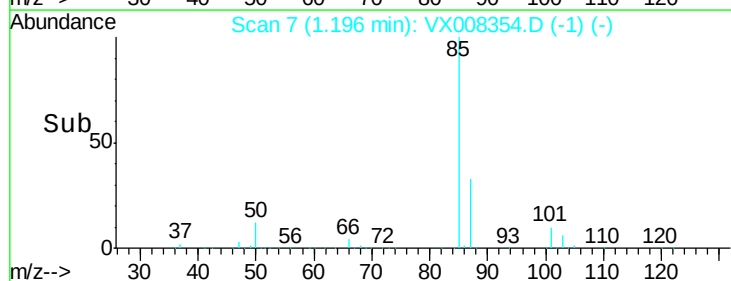
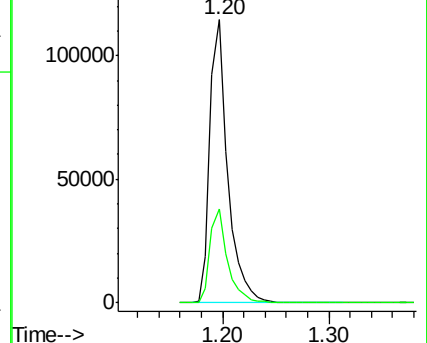
85 100

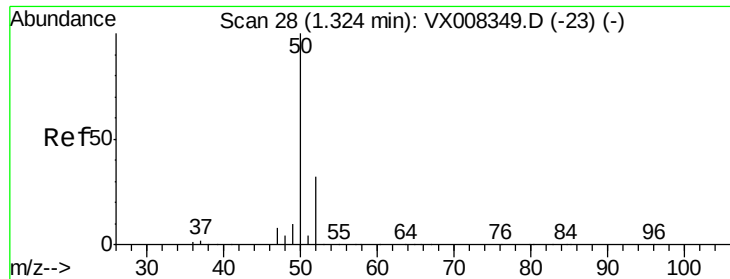
87 33.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

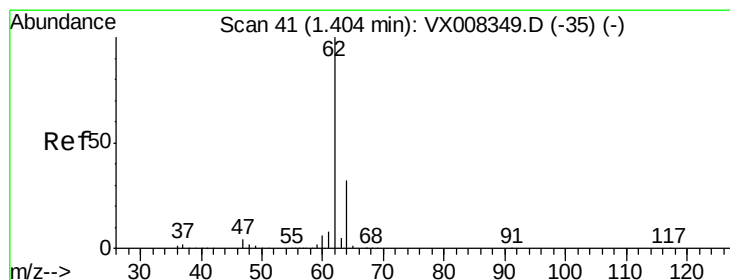
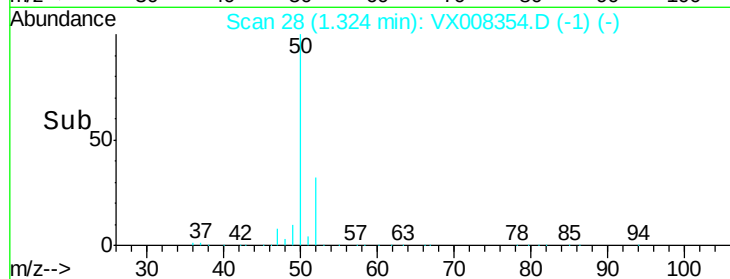
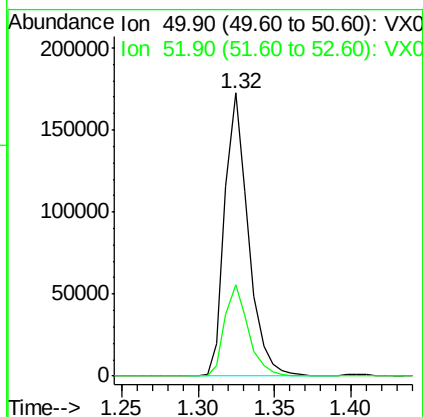
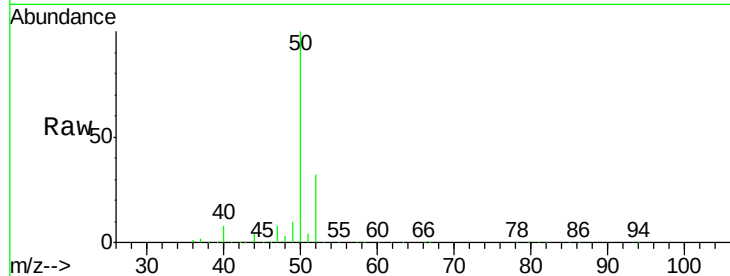




#3
Chloromethane
Concen: 47.318 ug/l
RT: 1.32 min Scan# 28
Delta R.T. -0.00 min
Lab File: VX008354.D
Acq: 23 Mar 2019 16:22

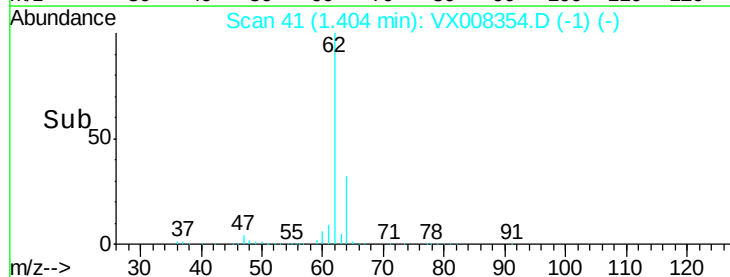
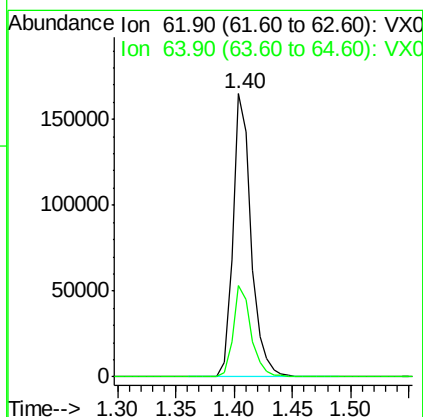
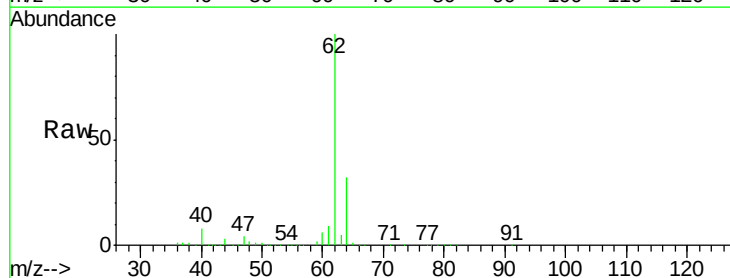
Instrument :
MSVOA_X
ClientSampleId :
BFB

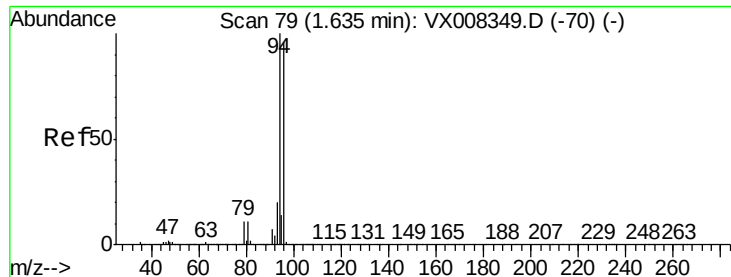
Tot Ion: 50 Resp: 184770
Ion Ratio Lower Upper
50 100
52 32.4 26.5 39.7



#4
Vinyl Chloride
Concen: 47.167 ug/l
RT: 1.40 min Scan# 41
Delta R.T. -0.00 min
Lab File: VX008354.D
Acq: 23 Mar 2019 16:22

Tgt Ion: 62 Resp: 179762
Ion Ratio Lower Upper
62 100
64 32.2 25.3 37.9





#5

Bromomethane

Concen: 48.809 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX008354.D

Acq: 23 Mar 2019 16:22

Instrument :

MSVOA_X

ClientSampled :

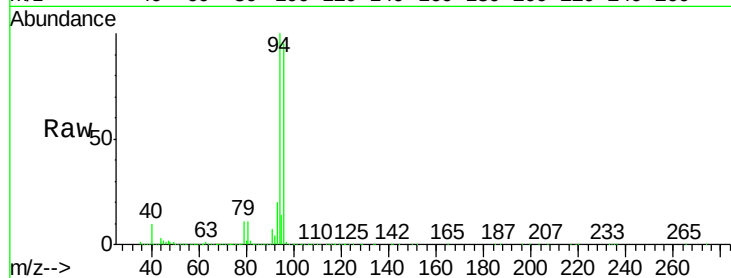
BFB

Tot Ion: 94 Resp: 117138

Ion Ratio Lower Upper

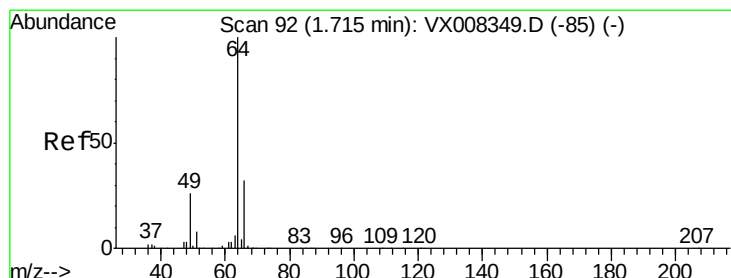
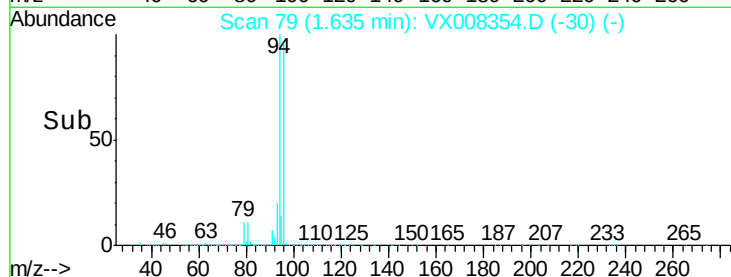
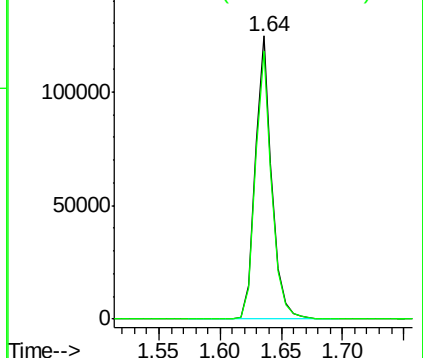
94 100

96 94.5 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 46.038 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX008354.D

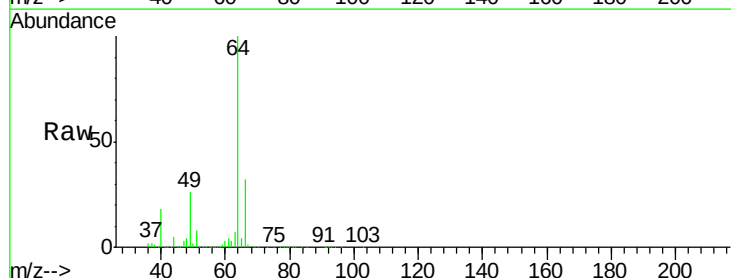
Acq: 23 Mar 2019 16:22

Tgt Ion: 64 Resp: 102760

Ion Ratio Lower Upper

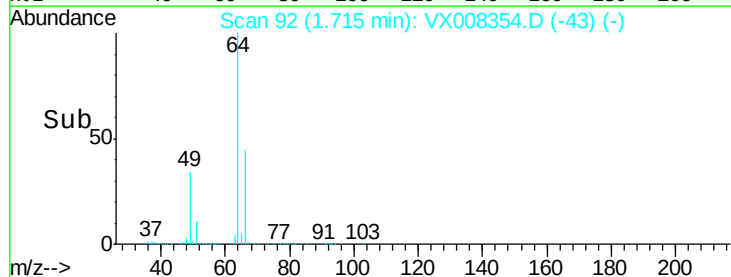
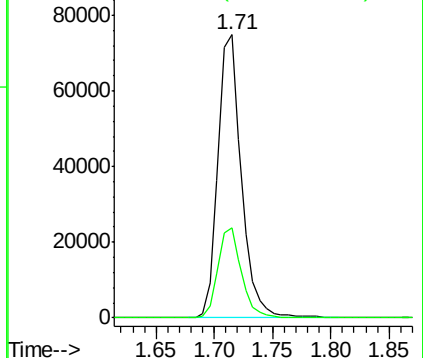
64 100

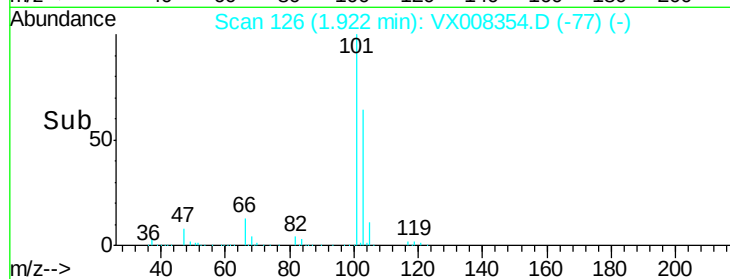
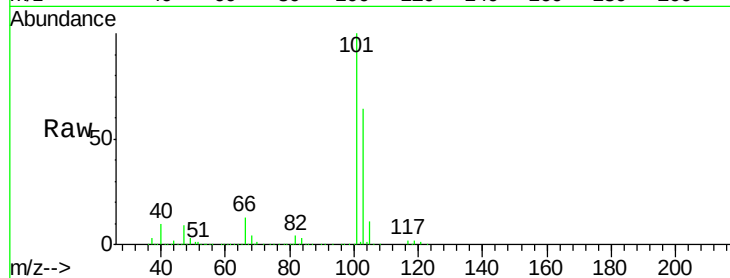
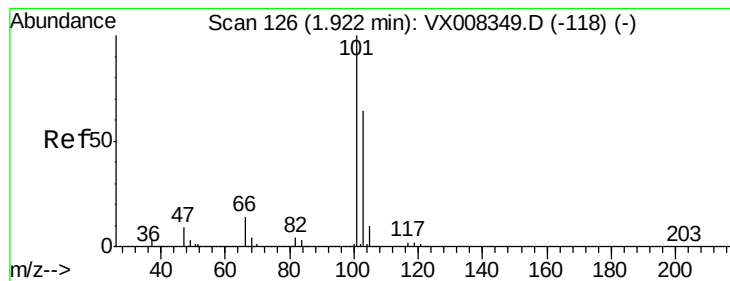
66 31.7 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 47.537 ug/l

RT: 1.92 min Scan# 126

Delta R.T. -0.00 min

Lab File: VX008354.D

Acq: 23 Mar 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

BFB

Tot Ion:101 Resp: 206028

Ion Ratio Lower Upper

101 100

103 64.4 50.4 75.6