

Data File : VW008543.D
Acq On : 07 Feb 2019 10:43
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Quant Time: Feb 08 22:28:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	541736	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	809215	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	707547	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	363530	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	277755	52.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.38%	
35) Dibromofluoromethane	7.88	113	274462	58.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.00%	
50) Toluene-d8	10.32	98	1047761	55.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.44%	
62) 4-Bromofluorobenzene	12.62	95	377184	51.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	142880	45.923	ug/l	98
3) Chloromethane	2.21	50	182317	41.229	ug/l	99
4) Vinyl Chloride	2.36	62	265748	47.209	ug/l	98
5) Bromomethane	2.78	94	206156	56.779	ug/l	98
6) Chloroethane	2.92	64	198577	57.682	ug/l	99
7) Trichlorofluoromethane	3.25	101	224357	46.218	ug/l	98
8) Diethyl Ether	3.67	74	130838	48.429	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	270726	55.253	ug/l	97
10) Methyl Iodide	4.26	142	405921	52.450	ug/l	100
11) Tert butyl alcohol	5.17	59	96299	224.743	ug/l	97
12) 1,1-Dichloroethene	4.03	96	259687	52.370	ug/l	99
13) Acrolein	3.89	56	81474	216.090	ug/l	99
14) Allyl chloride	4.65	41	440353	46.767	ug/l	98
15) Acrylonitrile	5.36	53	283986	243.433	ug/l	99
16) Acetone	4.12	43	312977	261.874	ug/l	100
17) Carbon Disulfide	4.37	76	712335	44.979	ug/l	99
18) Methyl Acetate	4.66	43	160404	50.320	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	413001	50.340	ug/l	97
20) Methylene Chloride	4.90	84	260522	47.295	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	282273	50.634	ug/l	94
22) Diisopropyl ether	6.31	45	828665	46.436	ug/l	96
23) Vinyl Acetate	6.25	43	2403758	228.118	ug/l	98
24) 1,1-Dichloroethane	6.21	63	502151	49.712	ug/l	98
25) 2-Butanone	7.17	43	400202	241.081	ug/l	98
26) 2,2-Dichloropropane	7.16	77	339301	49.694	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	307292	50.579	ug/l	97
28) Bromochloromethane	7.51	49	211550	45.597	ug/l	95
29) Tetrahydrofuran	7.52	42	241154	229.242	ug/l	96
30) Chloroform	7.67	83	505472	50.875	ug/l	97
31) Cyclohexane	7.95	56	448828	42.971	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	437676	51.002	ug/l	99
36) 1,1-Dichloropropene	8.08	75	406310	53.155	ug/l	98
37) Ethyl Acetate	7.25	43	164696	48.700	ug/l	98
38) Carbon Tetrachloride	8.06	117	426259	55.416	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	500979	49.890	ug/l	98
40) Benzene	8.32	78	1101288	51.921	ug/l	99
41) Methacrylonitrile	7.48	41	95599	47.740	ug/l	94
42) 1,2-Dichloroethane	8.40	62	321173	52.250	ug/l	99
43) Isopropyl Acetate	8.42	43	343123	48.836	ug/l	97
44) Trichloroethene	9.09	130	315240	54.654	ug/l	96
45) 1,2-Dichloropropane	9.37	63	273504	51.715	ug/l	98
46) Dibromomethane	9.45	93	140559	51.673	ug/l	95
47) Bromodichloromethane	9.64	83	378717	52.637	ug/l	100
48) Methyl methacrylate	9.43	41	158378	46.101	ug/l	94
49) 1,4-Dioxane	9.44	88	50265	1093.209	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	844266	243.230	ug/l	99
52) Toluene	10.38	92	711166	50.791	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	381165	49.787	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	442453	50.925	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	198721	52.669	ug/l	98
56) Ethyl methacrylate	10.65	69	251442	47.560	ug/l	99
57) 1,3-Dichloropropane	10.93	76	349372	51.687	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	639987	249.146	ug/l	98
59) 2-Hexanone	10.97	43	629925	257.068	ug/l	99
60) Dibromochloromethane	11.13	129	253072	52.194	ug/l	100
61) 1,2-Dibromoethane	11.23	107	191999	51.321	ug/l	99
64) Tetrachloroethene	10.86	164	264698	55.254	ug/l	99
65) Chlorobenzene	11.66	112	784194	54.294	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	282748	54.715	ug/l	99
67) Ethyl Benzene	11.73	91	1408638	53.057	ug/l	99
68) m/p-Xylenes	11.84	106	1084553	105.285	ug/l	98
69) o-Xylene	12.16	106	508660	51.970	ug/l	99
70) Styrene	12.18	104	837669	51.813	ug/l	98
71) Bromoform	12.35	173	148872	51.202	ug/l #	99
73) Isopropylbenzene	12.46	105	1442592	53.228	ug/l	100
74) N-amyl acetate	12.27	43	329763	47.231	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	224487	52.319	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	312736	98.947	ug/l #	1
77) Bromobenzene	12.75	156	320780	54.197	ug/l	94
78) n-propylbenzene	12.80	91	1724527	52.979	ug/l	98
79) 2-Chlorotoluene	12.90	91	961974	52.371	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	1191821	52.613	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	75184	46.982	ug/l	95
82) 4-Chlorotoluene	12.99	91	990485	50.647	ug/l	97
83) tert-Butylbenzene	13.21	119	1051111	52.143	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	1214899	52.765	ug/l	99
85) sec-Butylbenzene	13.38	105	1535711	53.344	ug/l	99
86) p-Isopropyltoluene	13.50	119	1374126	54.492	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	649477	54.334	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	641550	54.005	ug/l	99
89) n-Butylbenzene	13.83	91	1321429	53.370	ug/l	99
90) Hexachloroethane	14.10	117	262540	53.237	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	565047	53.424	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	40147	49.313	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW020719\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	420244	55.679	ug/l	99
94) Hexachlorobutadiene	15.24	225	262481	57.705	ug/l	99
95) Naphthalene	15.37	128	712197	53.740	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	354191	55.321	ug/l	98

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

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Misc : 5.00G/5ML/MSVOA W/SOIL

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Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

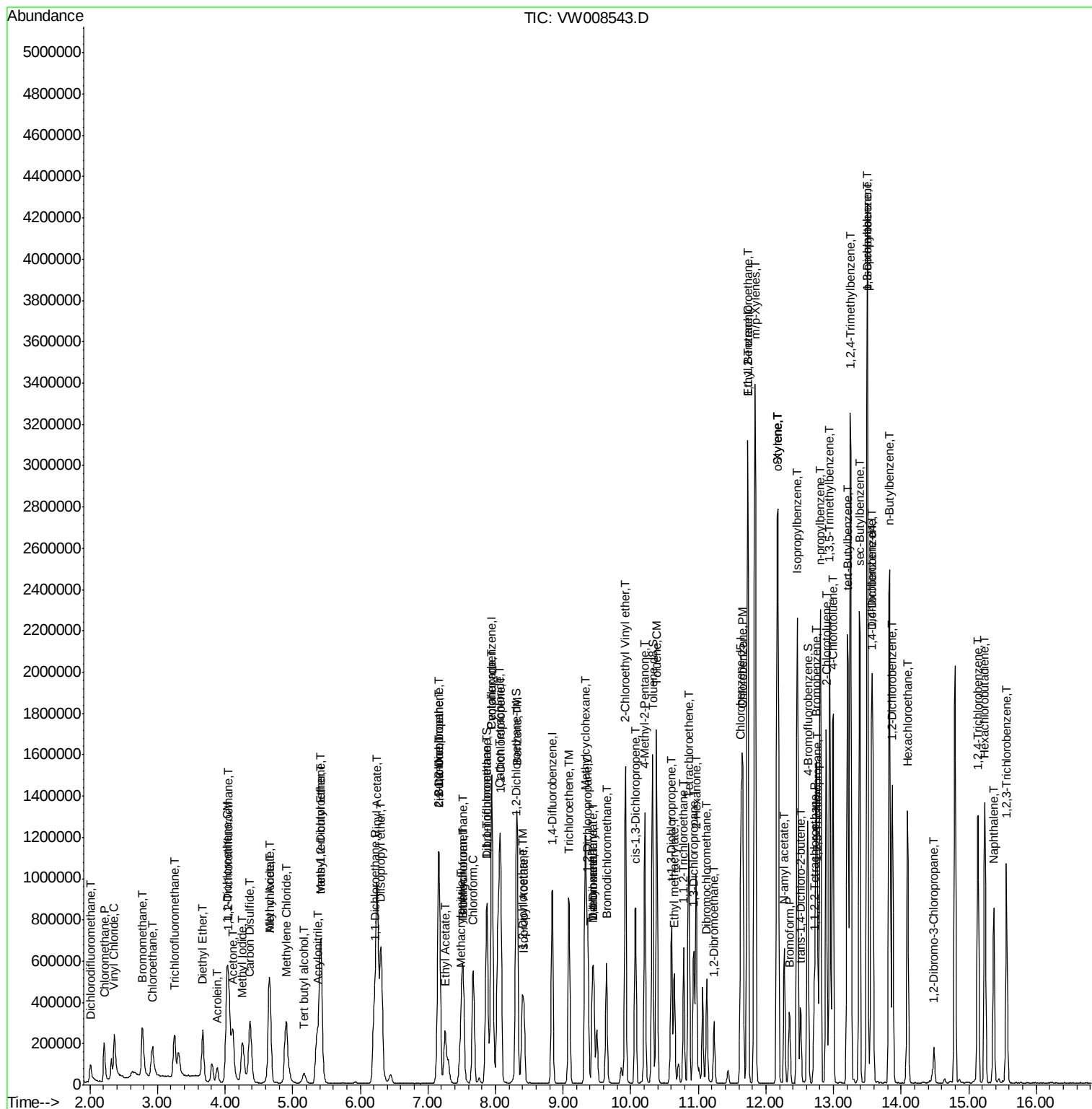
Quant Time: Feb 08 22:28:48 2019

Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_W\METHOD\82W012419S.M

Quant Title : SW846 8260

QLast Update : Fri Jan 25 11:07:41 2019

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

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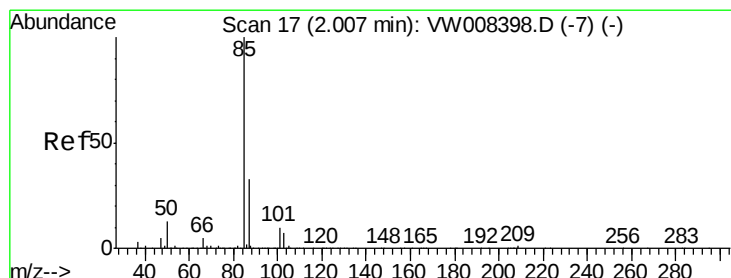
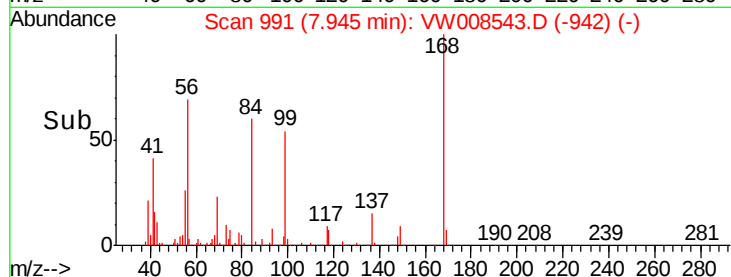
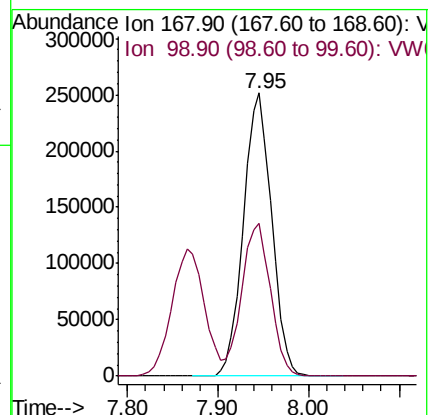
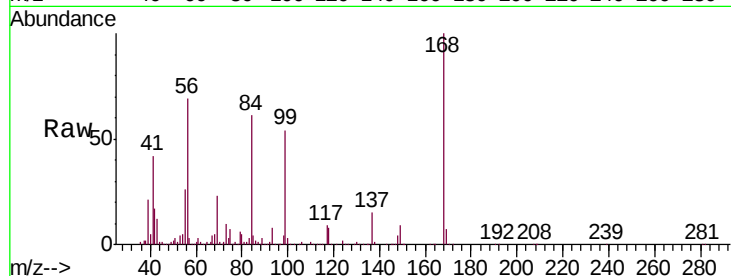
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 168 Resp: 541736

Ion Ratio Lower Upper

168 100

99 54.1 45.5 68.3



#2

Dichlorodifluoromethane

Concen: 45.923 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008543.D

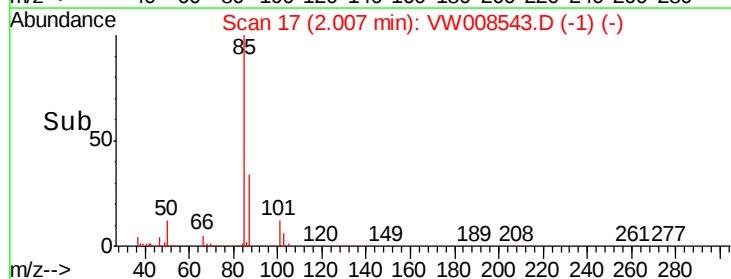
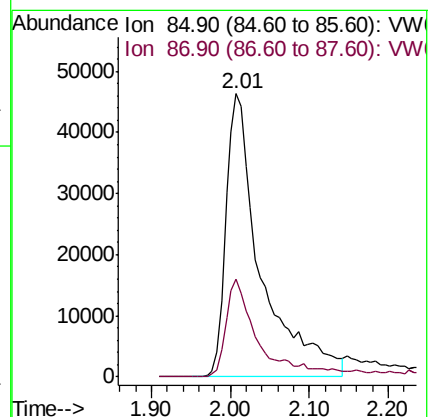
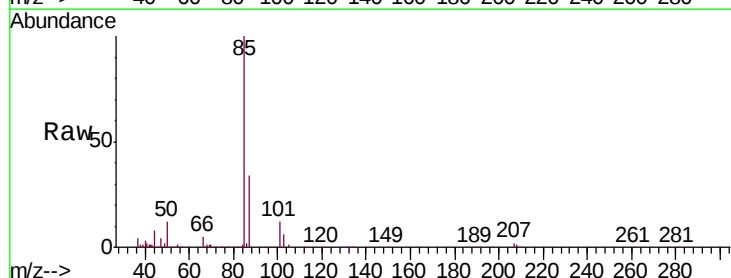
Acq: 07 Feb 2019 10:43

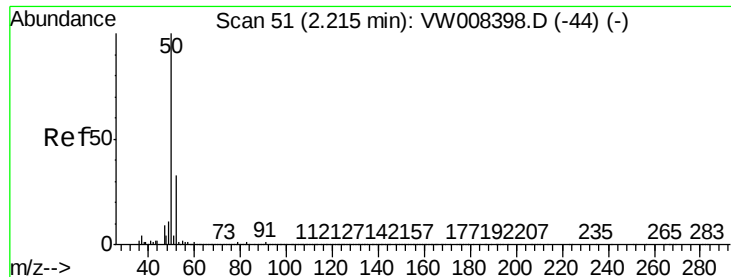
Tgt Ion: 85 Resp: 142880

Ion Ratio Lower Upper

85 100

87 34.4 16.7 50.1





#3

Chloromethane

Concen: 41.229 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008543.D

Acq: 07 Feb 2019 10:43

Instrument :

MSVOA_W

ClientSampleId :

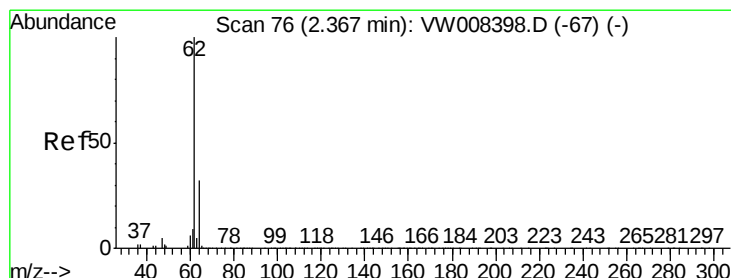
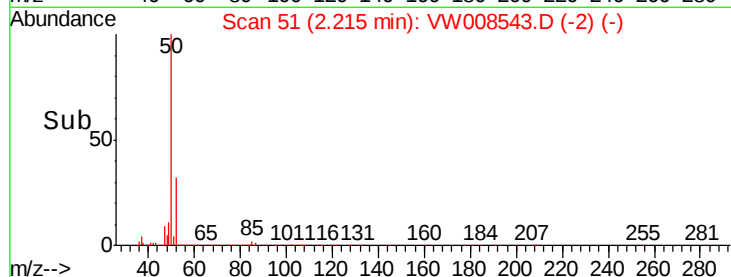
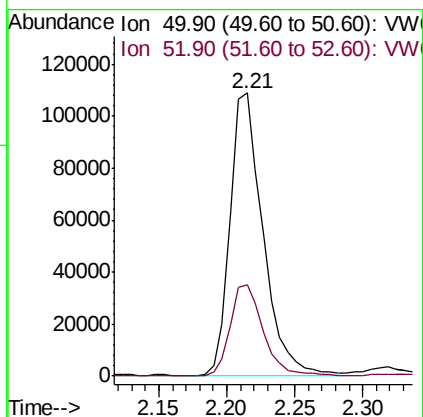
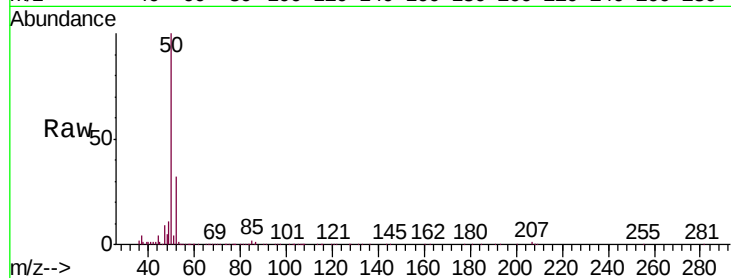
VSTDCCC050

Tgt Ion: 50 Resp: 182317

Ion Ratio Lower Upper

50 100

52 32.4 26.3 39.5



#4

Vinyl Chloride

Concen: 47.209 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW008543.D

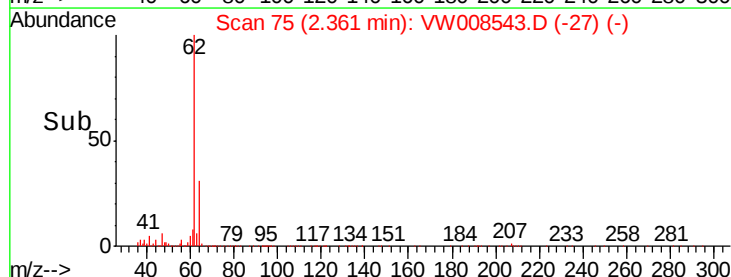
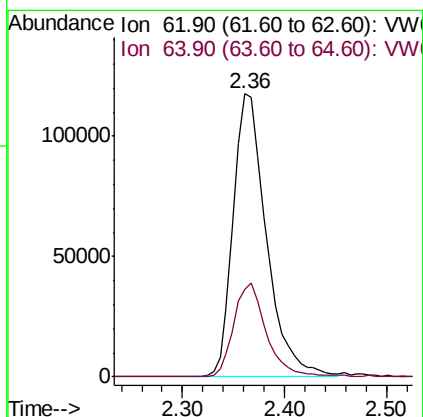
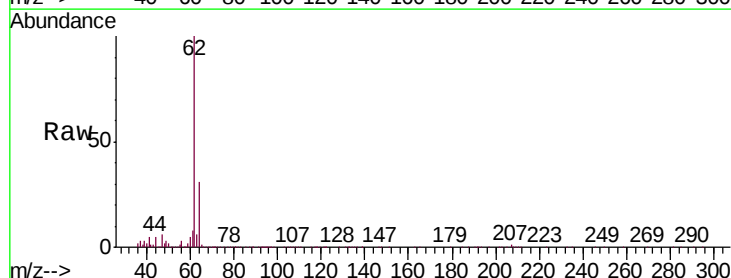
Acq: 07 Feb 2019 10:43

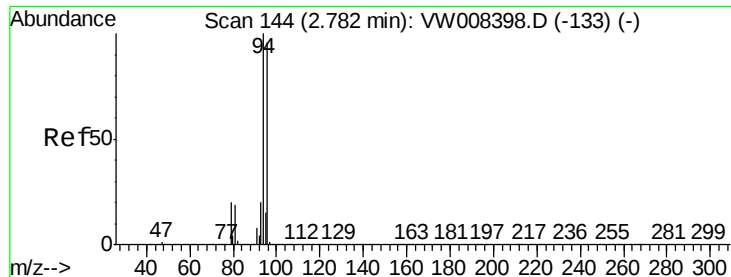
Tgt Ion: 62 Resp: 265748

Ion Ratio Lower Upper

62 100

64 30.8 25.5 38.3





#5

Bromomethane

Concen: 56.779 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

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Instrument :

MSVOA_W

ClientSampleId :

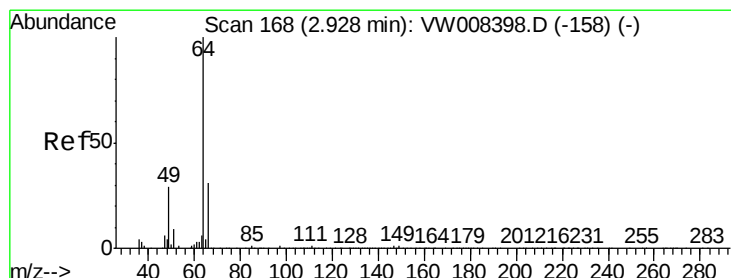
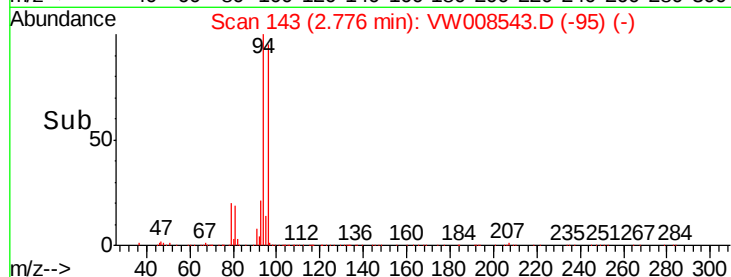
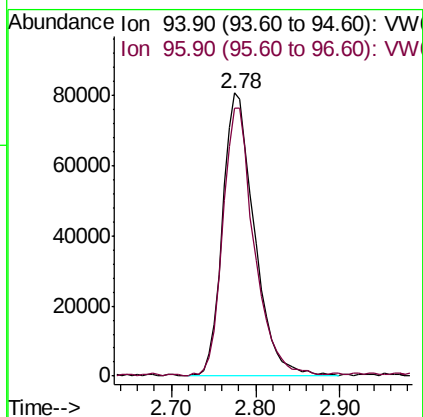
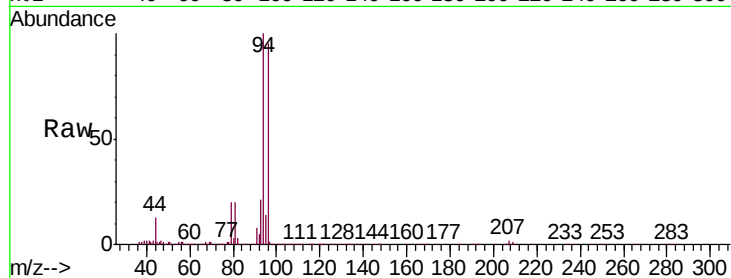
VSTDCCC050

Tgt Ion: 94 Resp: 206156

Ion Ratio Lower Upper

94 100

96 94.7 77.2 115.8



#6

Chloroethane

Concen: 57.682 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008543.D

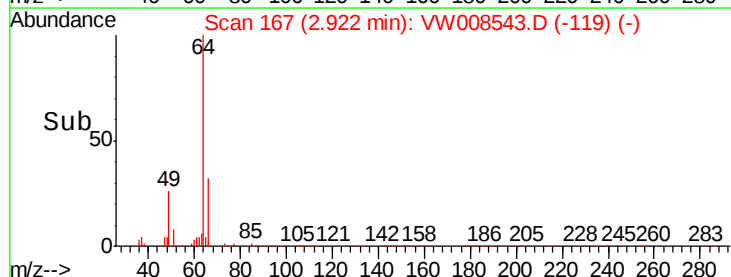
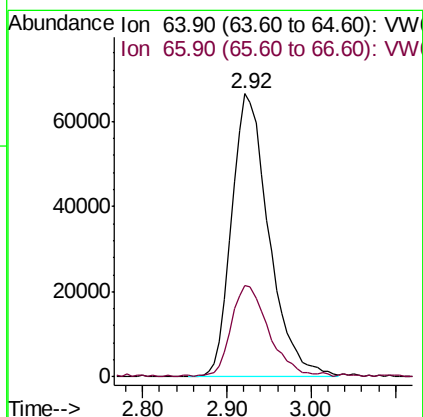
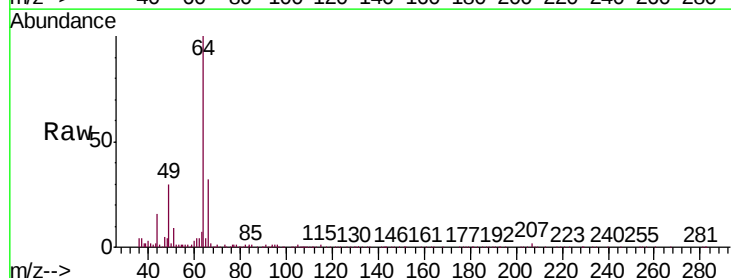
Acq: 07 Feb 2019 10:43

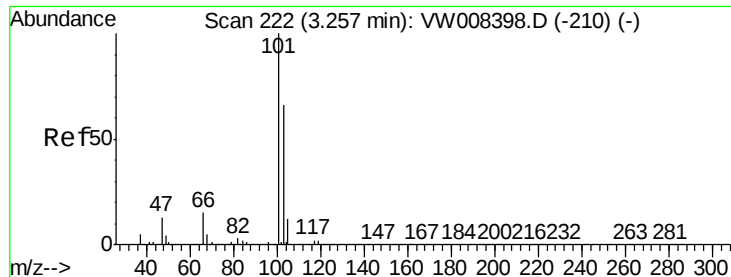
Tgt Ion: 64 Resp: 198577

Ion Ratio Lower Upper

64 100

66 31.8 24.9 37.3



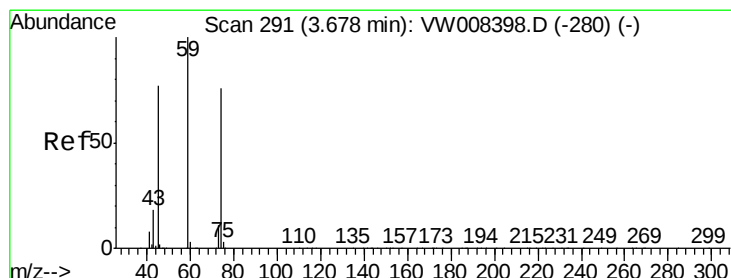
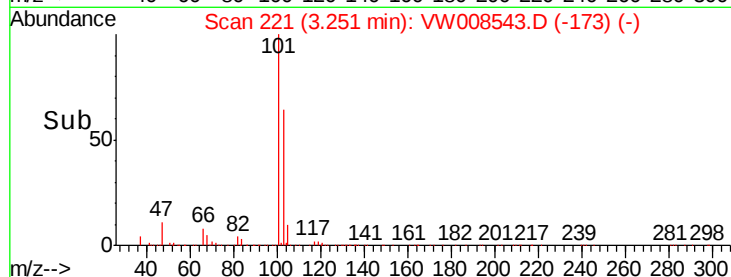
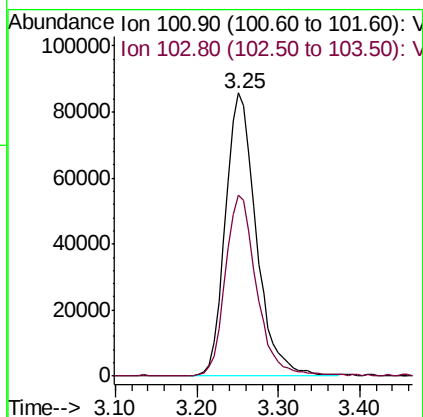
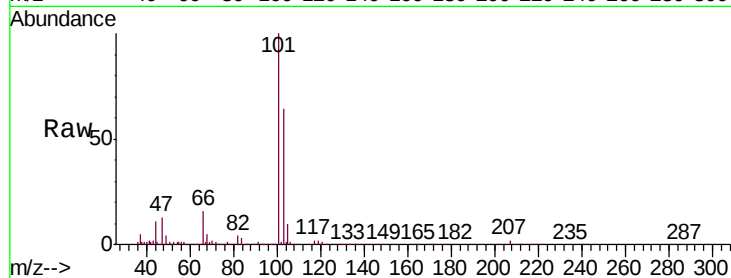


#7

Trichlorofluoromethane
Concen: 46.218 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
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Tgt Ion:101 Resp: 224357
Ion Ratio Lower Upper
101 100
103 63.9 52.5 78.7



#8

Diethyl Ether
Concen: 48.429 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW008543.D
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Tgt Ion: 74 Resp: 130838
Ion Ratio Lower Upper
74 100
45 101.9 51.7 155.2

