

Data File : VW008548.D
Acq On : 07 Feb 2019 13:14
Operator : SY/VA
Sample : K1385-03MSD
Misc : 8.98G/5ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4MSD

Quant Time: Feb 08 22:32:35 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	488626	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	744288	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	609944	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	240654	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	288665	60.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.26%	
35) Dibromofluoromethane	7.88	113	255205	58.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.28%	
50) Toluene-d8	10.32	98	947558	54.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.58%	
62) 4-Bromofluorobenzene	12.62	95	292969	43.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.34%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	130191	46.360	ug/l	94
3) Chloromethane	2.21	50	191329	47.970	ug/l	99
4) Vinyl Chloride	2.36	62	267834	52.751	ug/l	97
5) Bromomethane	2.78	94	211929	64.714	ug/l	98
6) Chloroethane	2.92	64	208800	67.243	ug/l	97
7) Trichlorofluoromethane	3.25	101	232852	52.470	ug/l	96
8) Diethyl Ether	3.67	74	144953	59.486	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.05	101	233861	52.917	ug/l	97
10) Methyl Iodide	4.26	142	368053	52.726	ug/l	100
11) Tert butyl alcohol	5.17	59	122918	318.046	ug/l	98
12) 1,1-Dichloroethene	4.03	96	223853	50.051	ug/l	98
13) Acrolein	3.89	56	47938	142.419	ug/l	97
14) Allyl chloride	4.65	41	406020	47.807	ug/l	99
15) Acrylonitrile	5.36	53	332673	316.164	ug/l	99
16) Acetone	4.12	43	399930	371.001	ug/l	99
17) Carbon Disulfide	4.37	76	567826	39.752	ug/l	100
18) Methyl Acetate	4.66	43	485834	168.975	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	454639	61.438	ug/l	96
20) Methylene Chloride	4.90	84	305896	61.568	ug/l	98
21) trans-1,2-Dichloroethene	5.41	96	237296	47.193	ug/l	99
22) Diisopropyl ether	6.31	45	817627	50.797	ug/l	98
23) Vinyl Acetate	6.26	43	295741	31.117	ug/l	98
24) 1,1-Dichloroethane	6.21	63	472574	51.869	ug/l	99
25) 2-Butanone	7.17	43	488809	326.463	ug/l	99
26) 2,2-Dichloropropane	7.16	77	308028	50.017	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	284248	51.871	ug/l	98
28) Bromochloromethane	7.51	49	224083	53.548	ug/l	95
29) Tetrahydrofuran	7.52	42	306914	323.465	ug/l	97
30) Chloroform	7.67	83	481780	53.761	ug/l	97
31) Cyclohexane	7.95	56	380322	40.370	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	399761	51.647	ug/l	98
36) 1,1-Dichloropropene	8.07	75	344157	48.951	ug/l	99
37) Ethyl Acetate	7.24	43	129587	41.661	ug/l	98
38) Carbon Tetrachloride	8.06	117	378505	53.500	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	363841	39.394	ug/l	100
40) Benzene	8.32	78	1028022	52.694	ug/l	98
41) Methacrylonitrile	7.48	41	126071	68.450	ug/l	98
42) 1,2-Dichloroethane	8.40	62	328630	58.127	ug/l	100
43) Isopropyl Acetate	8.42	43	306035	47.357	ug/l	95
44) Trichloroethene	9.09	130	302170	56.958	ug/l	99
45) 1,2-Dichloropropane	9.37	63	265312	54.542	ug/l	95
46) Dibromomethane	9.46	93	144749	57.855	ug/l	97
47) Bromodichloromethane	9.64	83	365346	55.208	ug/l	97
48) Methyl methacrylate	9.43	41	214882	68.005	ug/l	96
49) 1,4-Dioxane	9.45	88	53151	1256.816	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	1060508	332.181	ug/l	99
52) Toluene	10.38	92	636422	49.418	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	356769	50.665	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	409005	51.182	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	208321	60.030	ug/l	99
56) Ethyl methacrylate	10.65	69	225804	46.436	ug/l	97
57) 1,3-Dichloropropane	10.93	76	362345	58.282	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	726283	307.405	ug/l	98
59) 2-Hexanone	10.97	43	750624	333.046	ug/l	99
60) Dibromochloromethane	11.13	129	251633	56.425	ug/l	99
61) 1,2-Dibromoethane	11.23	107	194554	56.540	ug/l	100
64) Tetrachloroethene	10.86	164	398024	96.381	ug/l	97
65) Chlorobenzene	11.66	112	659770	52.989	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	263886	59.237	ug/l	98
67) Ethyl Benzene	11.73	91	1194073	52.172	ug/l	100
68) m/p-Xylenes	11.84	106	899898	101.338	ug/l	98
69) o-Xylene	12.16	106	450311	53.370	ug/l	96
70) Styrene	12.18	104	668184	47.943	ug/l	98
71) Bromoform	12.35	173	152963	61.028	ug/l	99
73) Isopropylbenzene	12.46	105	1169966	65.211	ug/l	99
74) N-amyl acetate	12.27	43	197748	42.784	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	209415	73.726	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	316026	151.041	ug/l #	6
77) Bromobenzene	12.75	156	253689	64.746	ug/l	99
78) n-propylbenzene	12.80	91	1263512	58.636	ug/l	99
79) 2-Chlorotoluene	12.90	91	739651	60.828	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	917650	61.194	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	76935	72.624	ug/l	92
82) 4-Chlorotoluene	12.99	91	716672	55.358	ug/l	98
83) tert-Butylbenzene	13.21	119	801607	60.070	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	930720	61.062	ug/l	100
85) sec-Butylbenzene	13.38	105	1051434	55.171	ug/l	100
86) p-Isopropyltoluene	13.50	119	934566	55.983	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	423313	53.495	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	407893	51.868	ug/l	100
89) n-Butylbenzene	13.83	91	721299	44.006	ug/l	98
90) Hexachloroethane	14.10	117	180355	55.245	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	398877	56.968	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	41719	77.409	ug/l	96

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

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Quant Title : SW846 8260
QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration

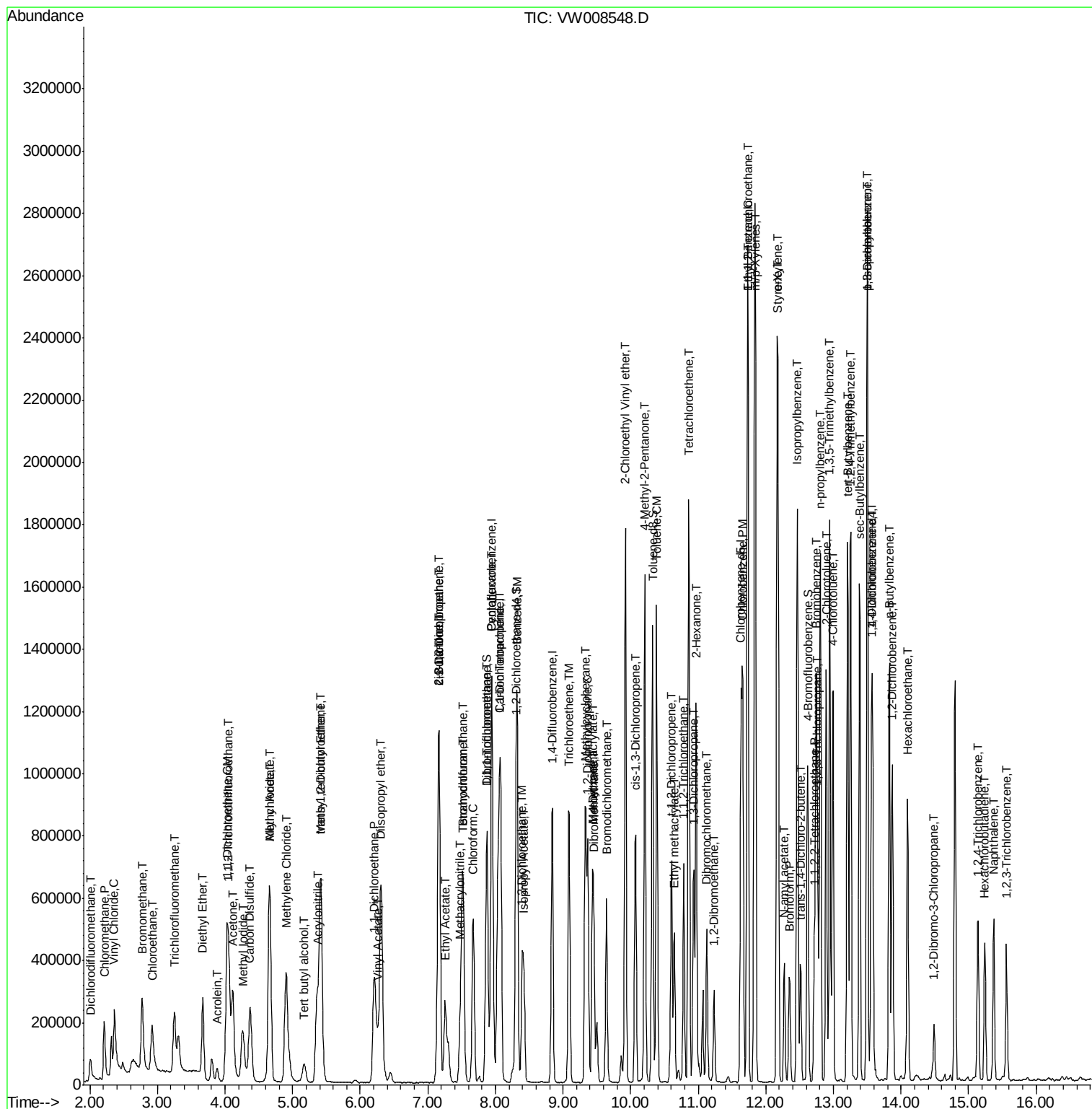
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	164865	32.996	ug/l	99
94) Hexachlorobutadiene	15.24	225	83514	27.734	ug/l	99
95) Naphthalene	15.37	128	430275	49.045	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	144717	34.144	ug/l	97

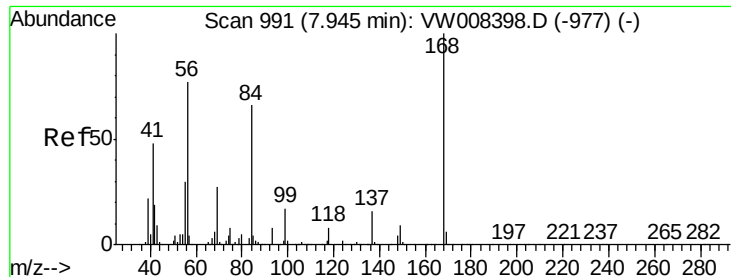
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008548.D

Acq: 07 Feb 2019 13:14

Instrument :

MSVOA_W

ClientSampleId :

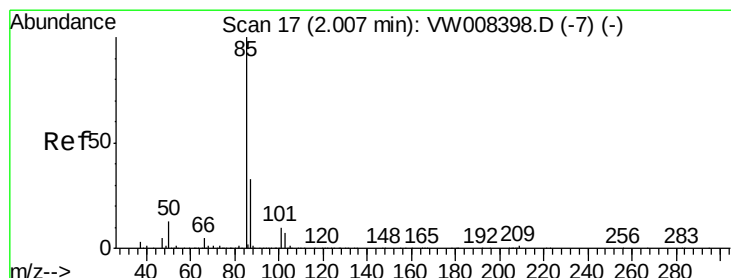
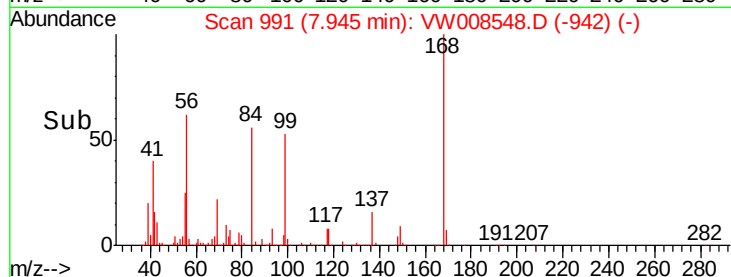
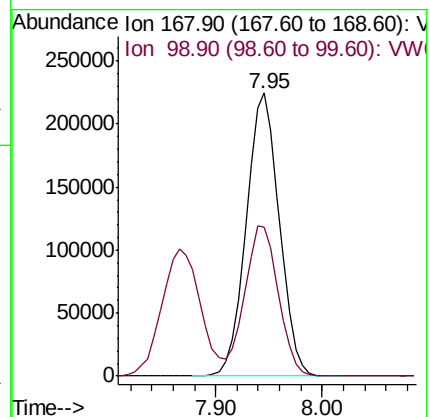
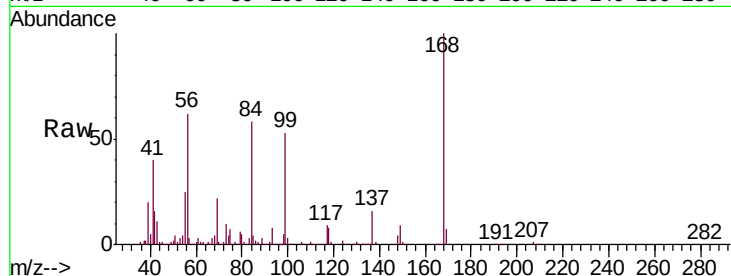
98-SB-01-2-4MSD

Tgt Ion:168 Resp: 488626

Ion Ratio Lower Upper

168 100

99 52.8 45.5 68.3



#2

Dichlorodifluoromethane

Concen: 46.360 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008548.D

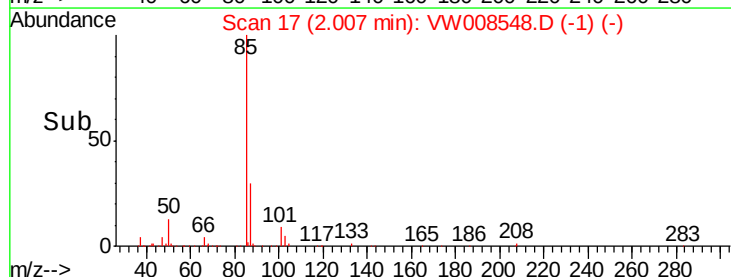
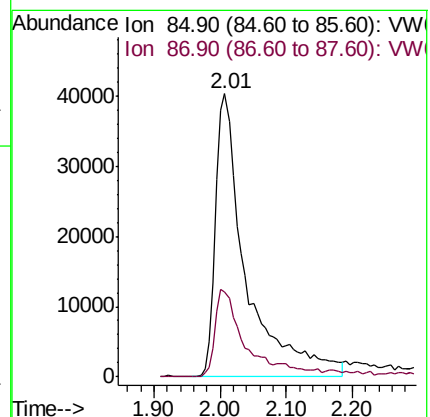
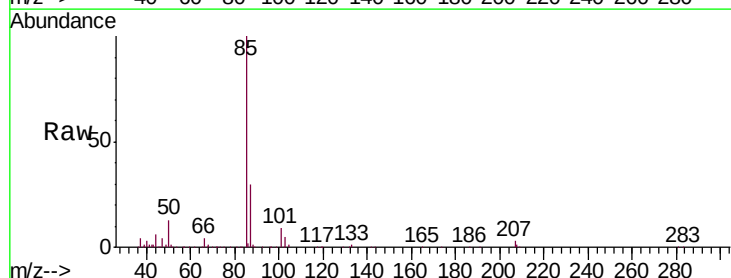
Acq: 07 Feb 2019 13:14

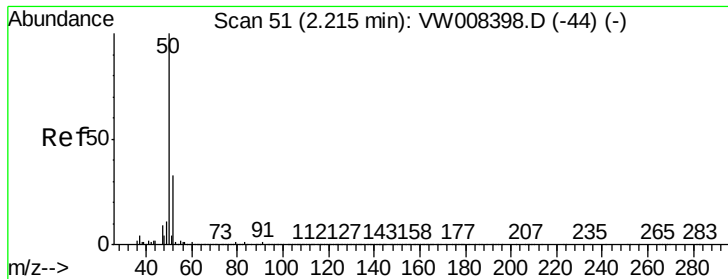
Tgt Ion: 85 Resp: 130191

Ion Ratio Lower Upper

85 100

87 30.0 16.7 50.1





#3

Chloromethane

Concen: 47.970 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008548.D

Acq: 07 Feb 2019 13:14

Instrument :

MSVOA_W

ClientSampleId :

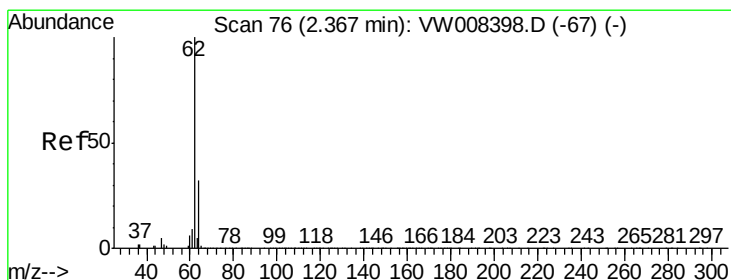
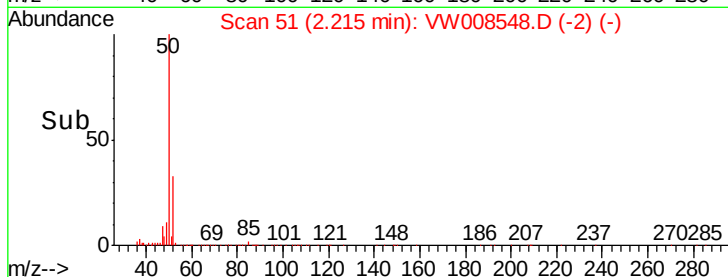
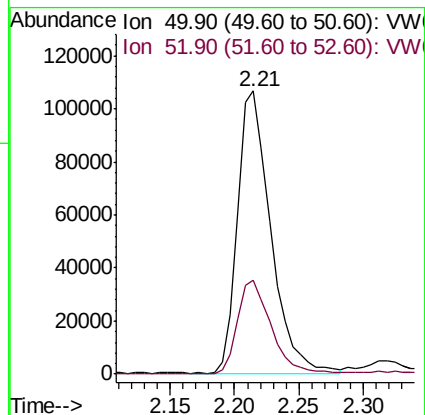
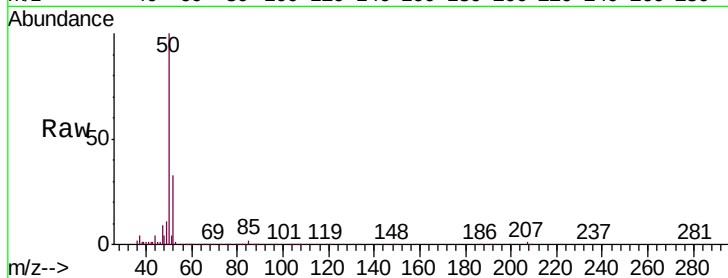
98-SB-01-2-4MSD

Tgt Ion: 50 Resp: 191329

Ion Ratio Lower Upper

50 100

52 33.3 26.3 39.5



#4

Vinyl Chloride

Concen: 52.751 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW008548.D

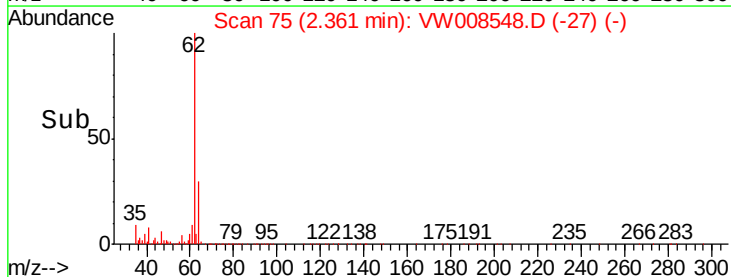
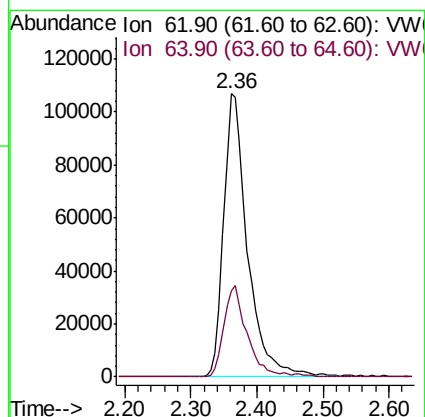
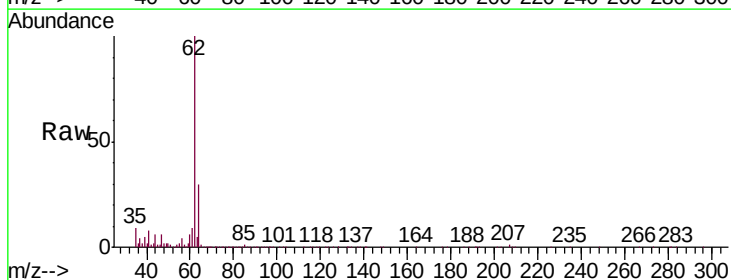
Acq: 07 Feb 2019 13:14

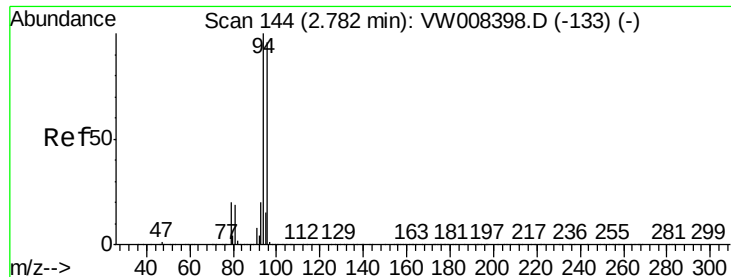
Tgt Ion: 62 Resp: 267834

Ion Ratio Lower Upper

62 100

64 30.4 25.5 38.3





#5

Bromomethane

Concen: 64.714 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW008548.D

Acq: 07 Feb 2019 13:14

Instrument :

MSVOA_W

ClientSampleId :

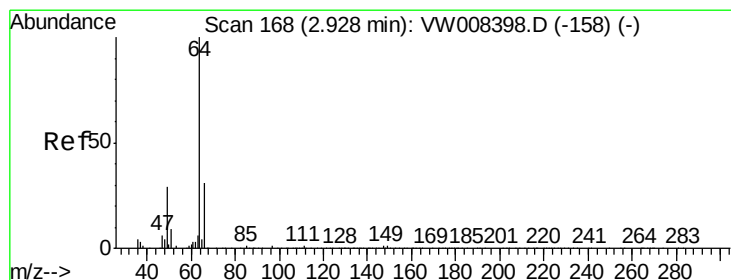
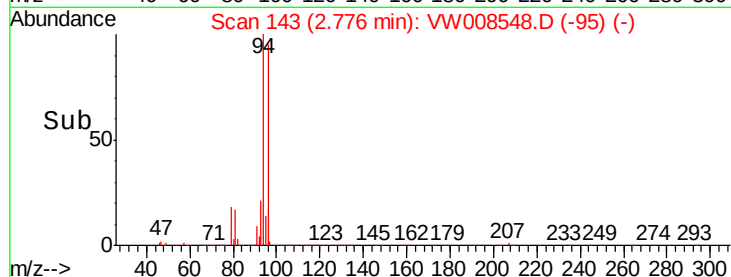
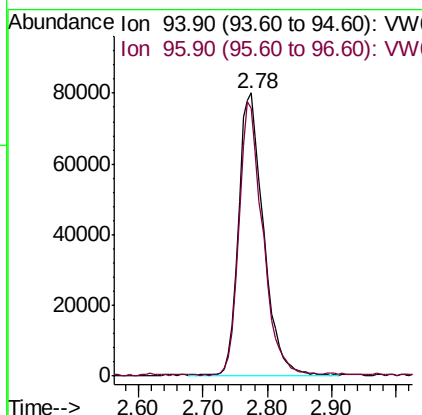
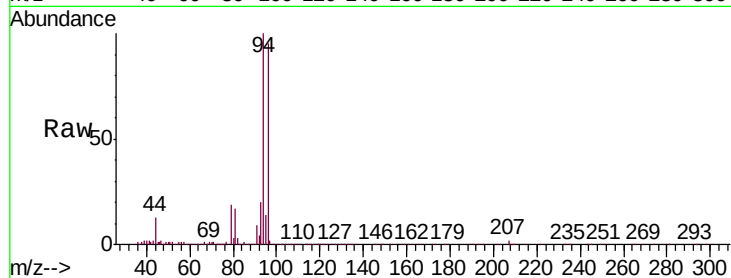
98-SB-01-2-4MSD

Tgt Ion: 94 Resp: 211929

Ion Ratio Lower Upper

94 100

96 94.3 77.2 115.8



#6

Chloroethane

Concen: 67.243 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008548.D

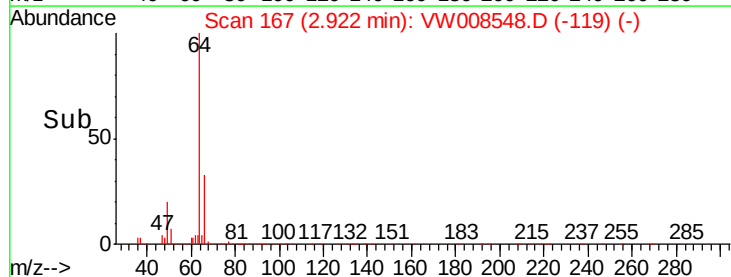
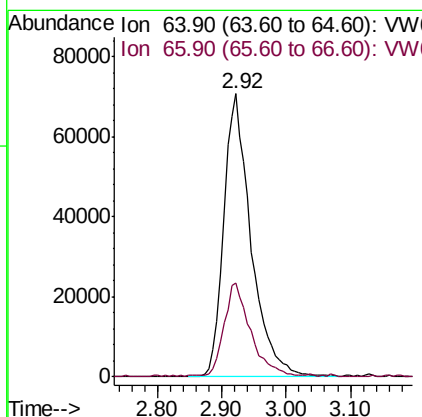
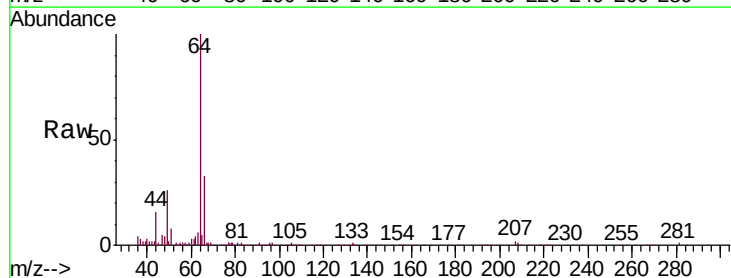
Acq: 07 Feb 2019 13:14

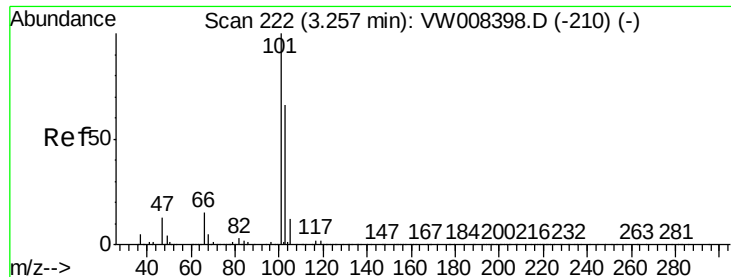
Tgt Ion: 64 Resp: 208800

Ion Ratio Lower Upper

64 100

66 33.0 24.9 37.3



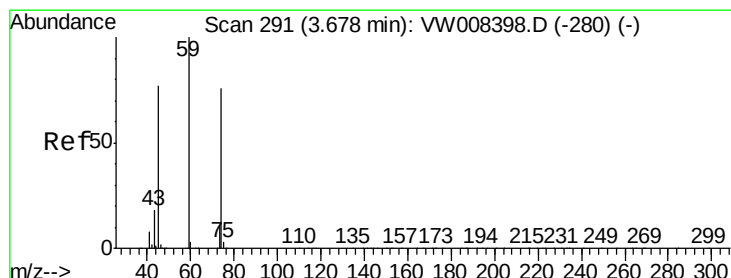
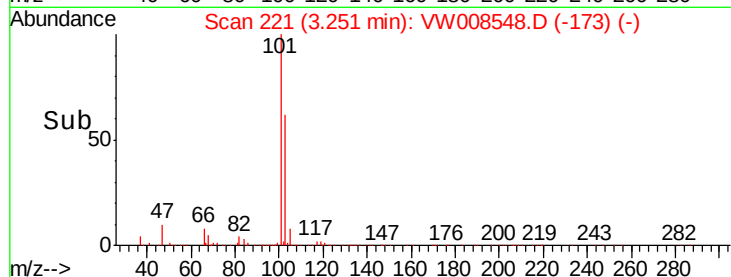
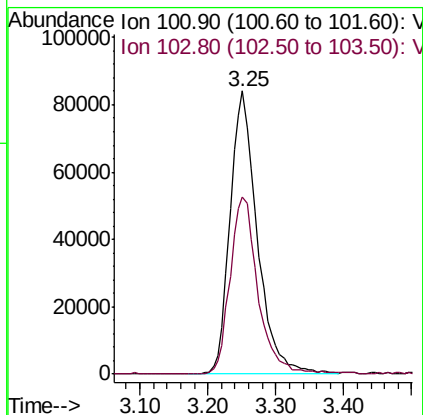
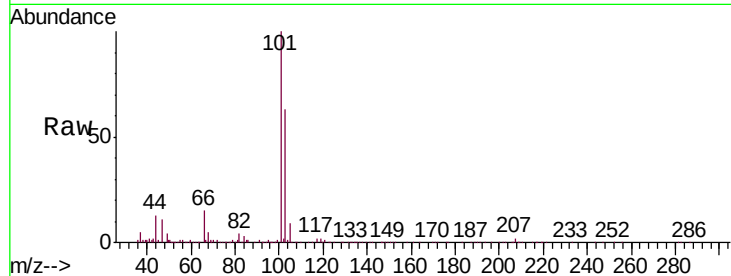


#7

Trichlorofluoromethane
Concen: 52.470 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
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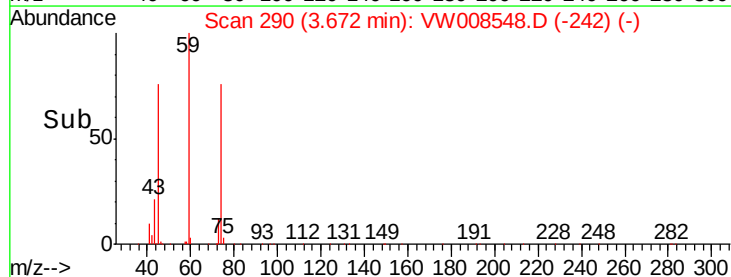
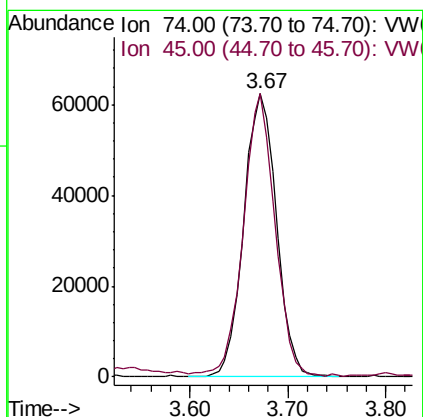
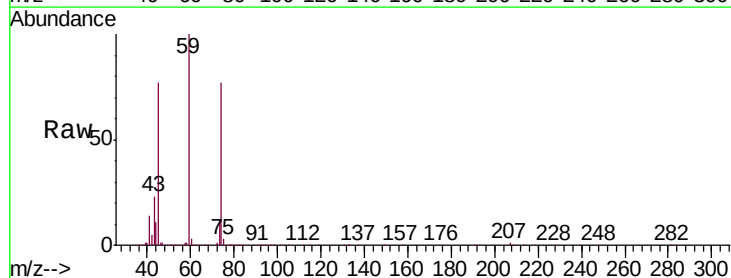
Tgt Ion:101 Resp: 232852
Ion Ratio Lower Upper
101 100
103 62.6 52.5 78.7

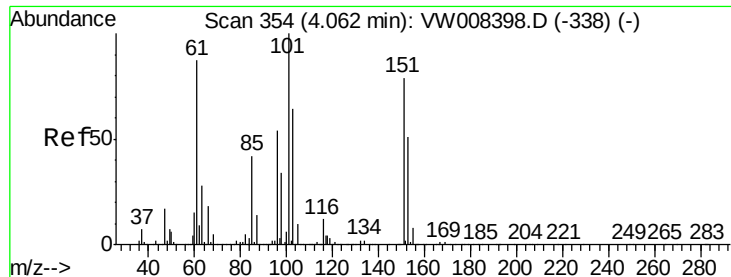


#8

Diethyl Ether
Concen: 59.486 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW008548.D
Acq: 07 Feb 2019 13:14

Tgt Ion: 74 Resp: 144953
Ion Ratio Lower Upper
74 100
45 97.2 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.917 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW008548.D

Acq: 07 Feb 2019 13:14

Instrument :

MSVOA_W

ClientSampleId :

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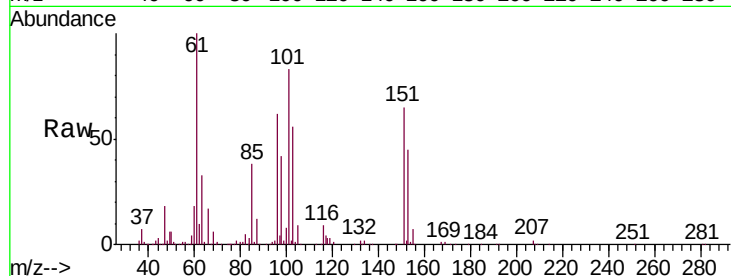
Tgt Ion:101 Resp: 233861

Ion Ratio Lower Upper

101 100

85 44.7 35.0 52.4

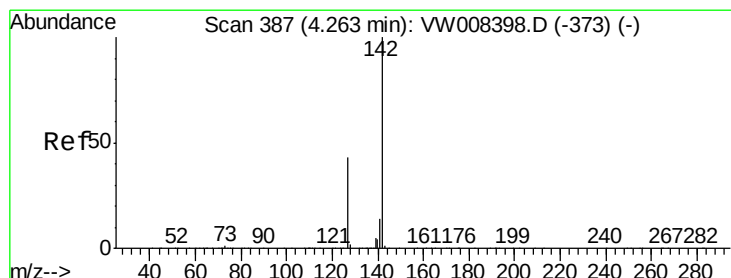
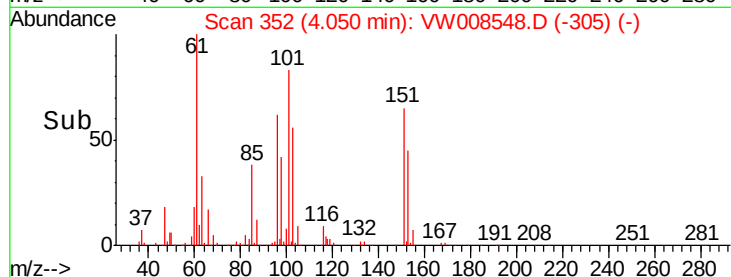
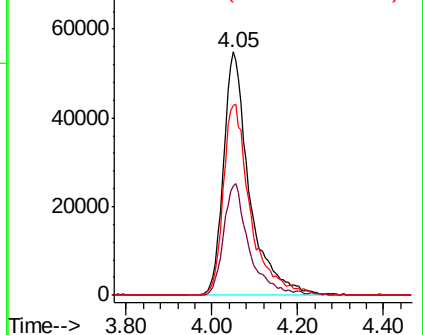
151 82.0 62.6 94.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.726 ug/l

RT: 4.26 min Scan# 387

Delta R.T. 0.00 min

Lab File: VW008548.D

Acq: 07 Feb 2019 13:14

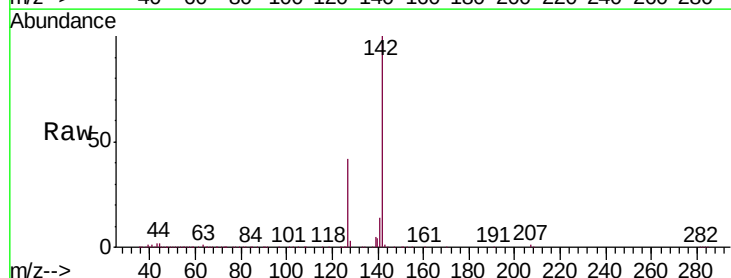
Tgt Ion:142 Resp: 368053

Ion Ratio Lower Upper

142 100

127 43.0 34.6 52.0

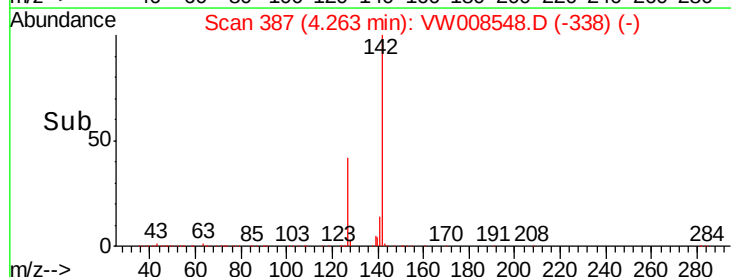
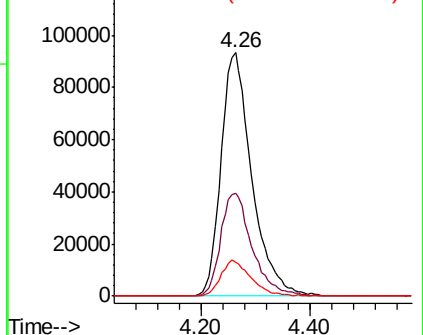
141 14.4 11.4 17.2

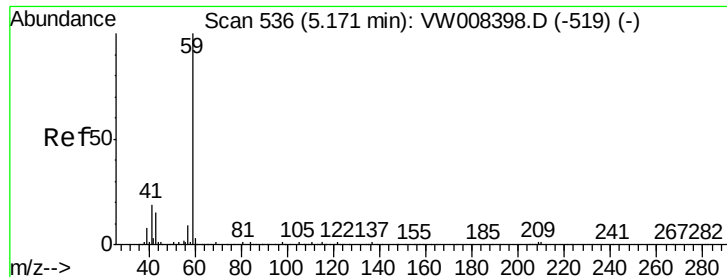


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



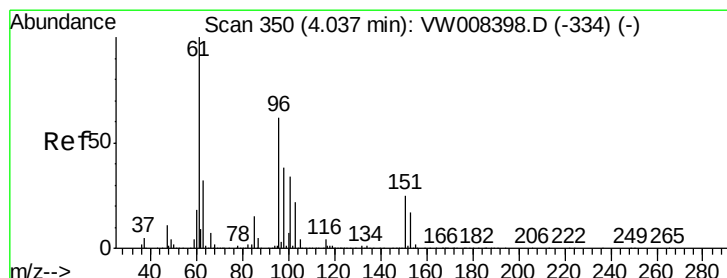
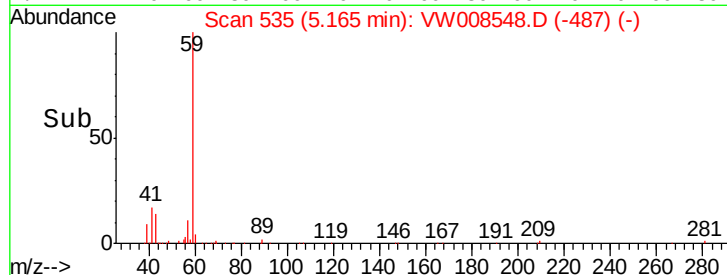
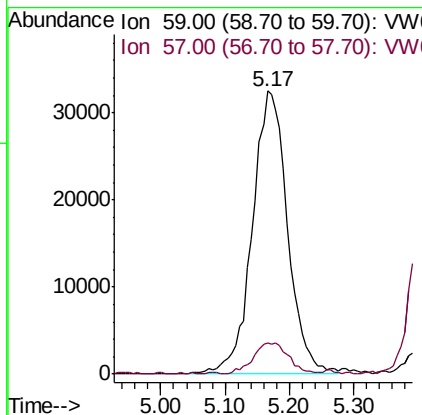
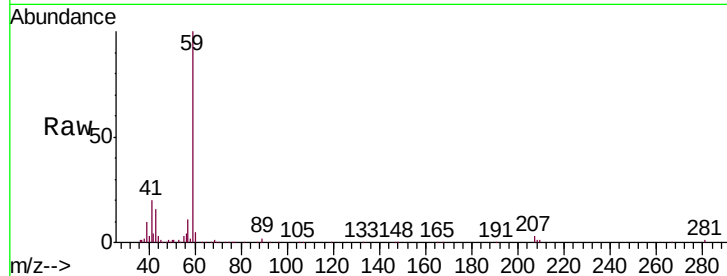


#11

Tert butyl alcohol
Concen: 318.046 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW008548.D
Acq: 07 Feb 2019 13:14

Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4MSD

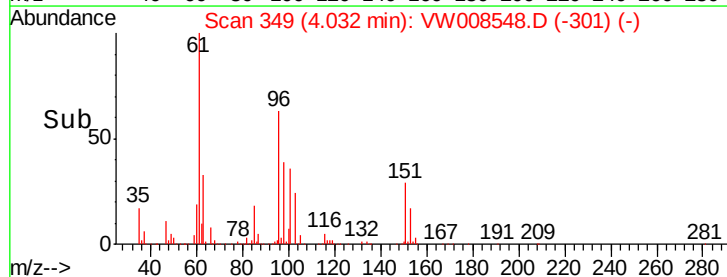
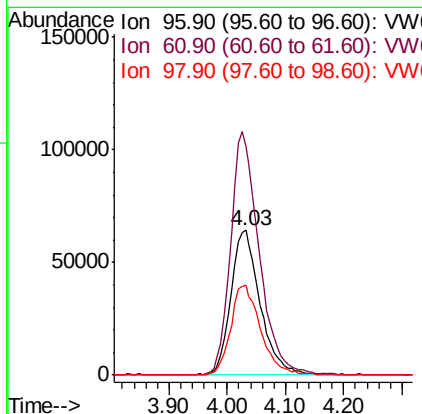
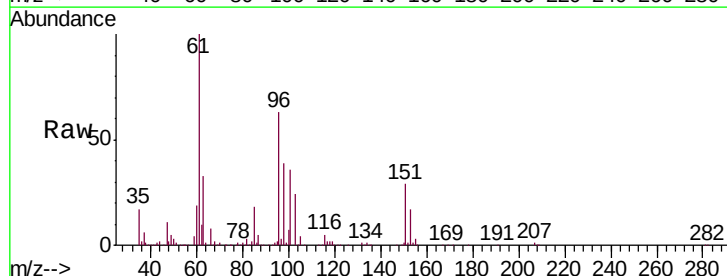
Tgt Ion: 59 Resp: 122918
Ion Ratio Lower Upper
59 100
57 10.8 9.3 13.9

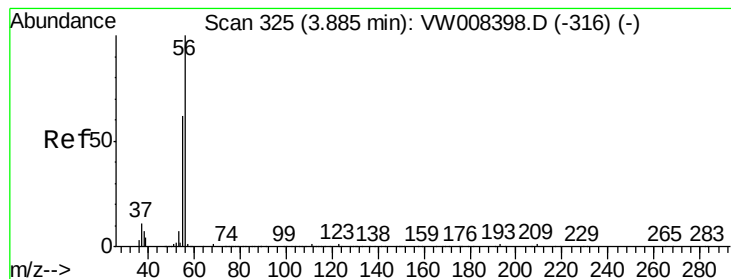


#12

1,1-Dichloroethene
Concen: 50.051 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW008548.D
Acq: 07 Feb 2019 13:14

Tgt Ion: 96 Resp: 223853
Ion Ratio Lower Upper
96 100
61 158.4 129.5 194.3
98 62.4 48.6 73.0





#13

Acrolein

Concen: 142.419 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW008548.D

Acq: 07 Feb 2019 13:14

Instrument :

MSVOA_W

ClientSampleId :

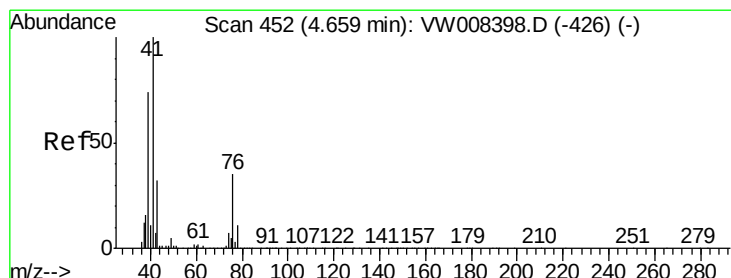
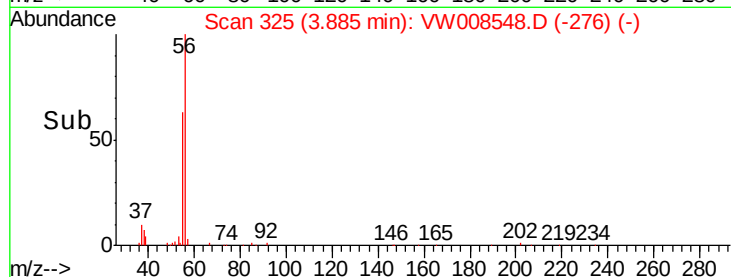
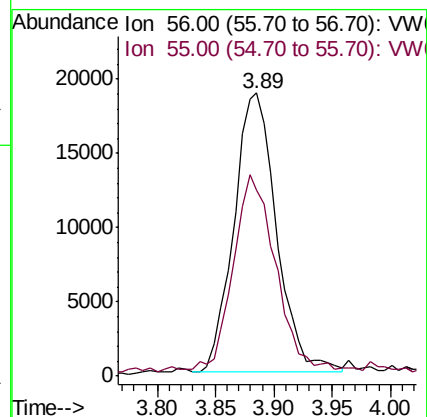
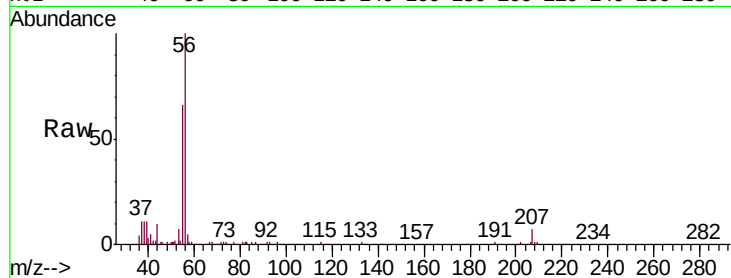
98-SB-01-2-4MSD

Tgt Ion: 56 Resp: 47938

Ion Ratio Lower Upper

56 100

55 68.7 56.7 85.1



#14

Allyl chloride

Concen: 47.807 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW008548.D

Acq: 07 Feb 2019 13:14

Tgt Ion: 41 Resp: 406020

Ion Ratio Lower Upper

41 100

39 72.8 57.7 86.5

76 34.6 26.9 40.3

