

Data File : VW008533.D
Acq On : 06 Feb 2019 17:40
Operator : SY/VA
Sample : K1385-03MSD
Misc : 11.34G/5ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Feb 07 01:50:28 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	461588	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	717633	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	592486	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	228374	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	262257	57.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.66%	
35) Dibromofluoromethane	7.88	113	215970	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	
50) Toluene-d8	10.32	98	830415	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
62) 4-Bromofluorobenzene	12.62	95	257552	39.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.64%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	120149	45.365	ug/l	99
3) Chloromethane	2.21	50	185539	49.243	ug/l	99
4) Vinyl Chloride	2.36	62	241199	50.288	ug/l	98
5) Bromomethane	2.77	94	196843	63.628	ug/l	100
6) Chloroethane	2.92	64	192942	65.776	ug/l	98
7) Trichlorofluoromethane	3.25	101	196268	47.326	ug/l	92
8) Diethyl Ether	3.67	74	146131	63.482	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.04	101	208269	49.887	ug/l	97
10) Methyl Iodide	4.26	142	342738	51.975	ug/l	99
11) Tert butyl alcohol	5.18	59	130343	357.013	ug/l #	82
12) 1,1-Dichloroethene	4.03	96	209168	49.507	ug/l	99
13) Acrolein	3.88	56	37485	118.608	ug/l	99
14) Allyl chloride	4.65	41	381104	47.502	ug/l	99
15) Acrylonitrile	5.36	53	350530	352.648	ug/l	99
16) Acetone	4.12	43	407353	400.022	ug/l	99
17) Carbon Disulfide	4.37	76	512058	37.947	ug/l	99
18) Methyl Acetate	4.67	43	548476	201.936	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	460581	65.887	ug/l	98
20) Methylene Chloride	4.90	84	278922	59.427	ug/l	99
21) trans-1,2-Dichloroethene	5.41	96	226660	47.718	ug/l	95
22) Diisopropyl ether	6.31	45	815513	53.634	ug/l	98
23) Vinyl Acetate	6.31	43	446680	49.751	ug/l #	73
24) 1,1-Dichloroethane	6.21	63	459708	53.412	ug/l	98
25) 2-Butanone	7.17	43	509719	360.369	ug/l	99
26) 2,2-Dichloropropane	7.17	77	271235	46.622	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	267394	51.654	ug/l	98
28) Bromochloromethane	7.51	49	224258	56.729	ug/l	96
29) Tetrahydrofuran	7.52	42	329717	367.852	ug/l	97
30) Chloroform	7.67	83	468437	55.334	ug/l	99
31) Cyclohexane	7.95	56	326842	36.726	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	373932	51.140	ug/l	99
36) 1,1-Dichloropropene	8.08	75	319325	47.106	ug/l	99
37) Ethyl Acetate	7.25	43	91663	30.563	ug/l	99
38) Carbon Tetrachloride	8.06	117	347303	50.913	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	280053	31.448	ug/l	97
40) Benzene	8.32	78	991946	52.734	ug/l	97
41) Methacrylonitrile	7.48	41	117824	66.348	ug/l	92
42) 1,2-Dichloroethane	8.40	62	328550	60.271	ug/l	100
43) Isopropyl Acetate	8.42	43	254113	40.783	ug/l	92
44) Trichloroethene	9.09	130	347749	67.984	ug/l	99
45) 1,2-Dichloropropane	9.37	63	258899	55.200	ug/l	96
46) Dibromomethane	9.46	93	146613	60.777	ug/l	96
47) Bromodichloromethane	9.64	83	362344	56.788	ug/l	100
48) Methyl methacrylate	9.43	41	245307	80.517	ug/l	97
49) 1,4-Dioxane	9.45	88	55162	1352.817	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	1106568	359.483	ug/l	100
52) Toluene	10.38	92	601235	48.420	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	347114	51.125	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	396731	51.490	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	209789	62.698	ug/l	97
56) Ethyl methacrylate	10.65	69	195106	41.614	ug/l	98
57) 1,3-Dichloropropane	10.93	76	366056	61.066	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	751465	329.878	ug/l	97
59) 2-Hexanone	10.97	43	755505	347.663	ug/l	99
60) Dibromochloromethane	11.13	129	257850	59.966	ug/l	98
61) 1,2-Dibromoethane	11.24	107	195798	59.016	ug/l	96
64) Tetrachloroethene	10.86	164	363467	90.606	ug/l	99
65) Chlorobenzene	11.66	112	614194	50.782	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	255623	59.073	ug/l	98
67) Ethyl Benzene	11.73	91	1078149	48.495	ug/l	99
68) m/p-Xylenes	11.84	106	811505	94.077	ug/l	97
69) o-Xylene	12.16	106	410153	50.043	ug/l	98
70) Styrene	12.18	104	624448	46.125	ug/l	98
71) Bromoform	12.35	173	159279	65.420	ug/l #	100
73) Isopropylbenzene	12.46	105	1000618	58.771	ug/l	100
74) N-amyl acetate	12.27	43	135792	30.960	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	145450	53.960	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	328353	165.371	ug/l #	1
77) Bromobenzene	12.75	156	241565	64.967	ug/l	99
78) n-propylbenzene	12.80	91	1047785	51.239	ug/l	99
79) 2-Chlorotoluene	12.89	91	649210	56.261	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	779315	54.763	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	77430	77.022	ug/l	95
82) 4-Chlorotoluene	12.99	91	620592	50.514	ug/l	97
83) tert-Butylbenzene	13.21	119	658173	51.973	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	782884	54.125	ug/l	100
85) sec-Butylbenzene	13.38	105	799909	44.230	ug/l	100
86) p-Isopropyltoluene	13.50	119	726438	45.856	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	373289	49.710	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	376210	50.411	ug/l	99
89) n-Butylbenzene	13.83	91	520936	33.491	ug/l	98
90) Hexachloroethane	14.10	117	144015	46.486	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	374077	56.299	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	46900	91.701	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW020619\
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

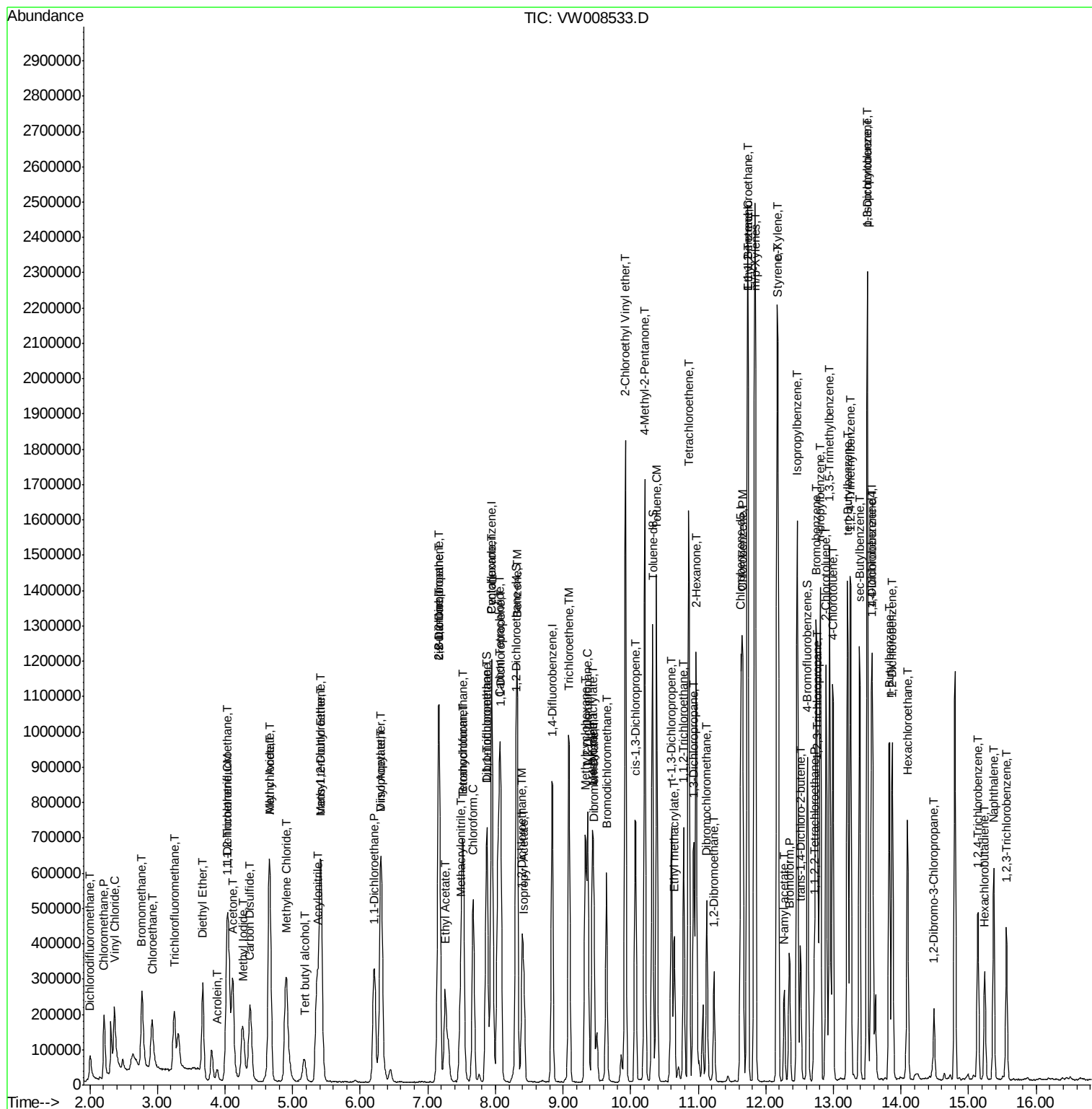
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	151202	31.889	ug/l	99
94) Hexachlorobutadiene	15.24	225	54557	19.092	ug/l	98
95) Naphthalene	15.37	128	510691	61.341	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	143640	35.712	ug/l	99

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

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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: VW008533.D

Acq: 06 Feb 2019 17:40

Instrument :

MSVOA_W

ClientSampleId :

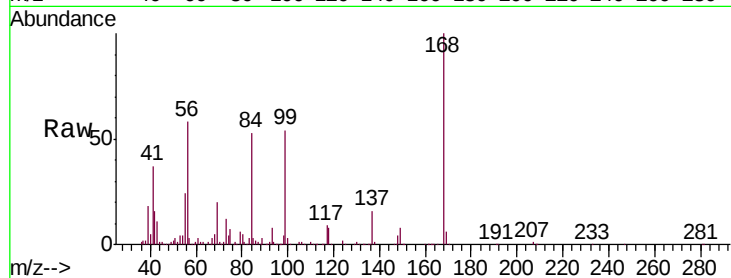
98-SB-01-2-4MSD

Tgt Ion: 168 Resp: 461588

Ion Ratio Lower Upper

168 100

99 53.5 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

250000

200000

150000

100000

50000

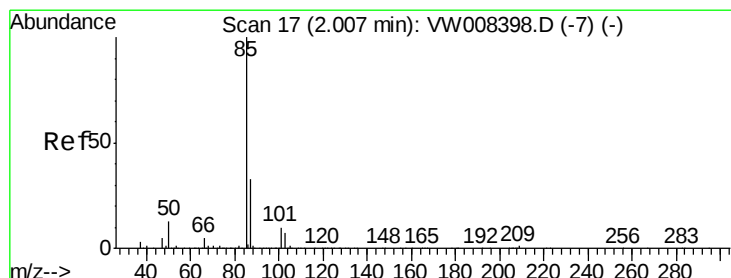
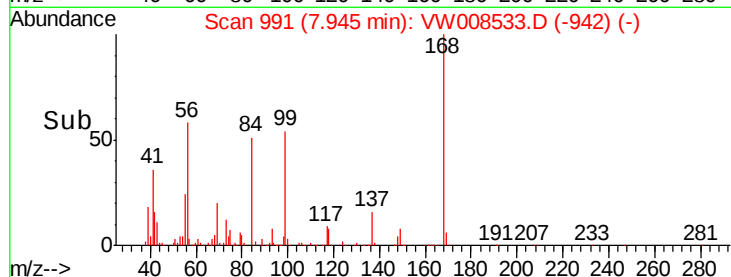
0

7.80

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 45.365 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008533.D

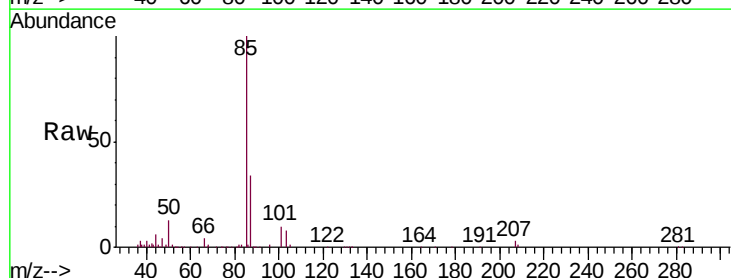
Acq: 06 Feb 2019 17:40

Tgt Ion: 85 Resp: 120149

Ion Ratio Lower Upper

85 100

87 33.9 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

40000

30000

20000

10000

0

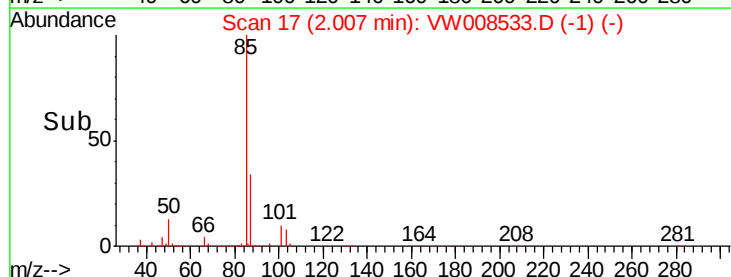
1.90

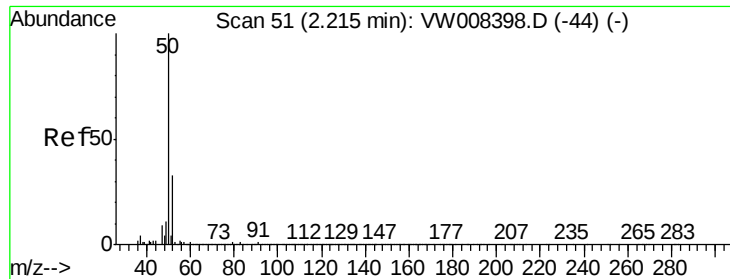
2.00

2.10

2.20

Time-->





#3

Chloromethane

Concen: 49.243 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008533.D

Acq: 06 Feb 2019 17:40

Instrument :

MSVOA_W

ClientSampleId :

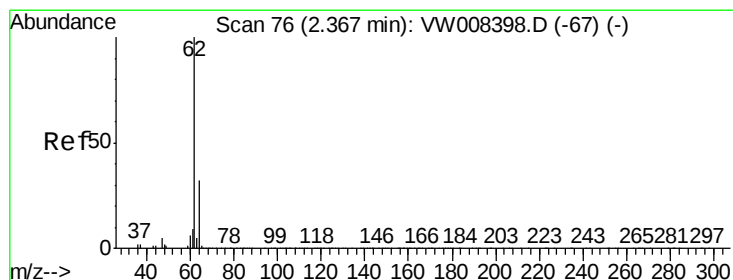
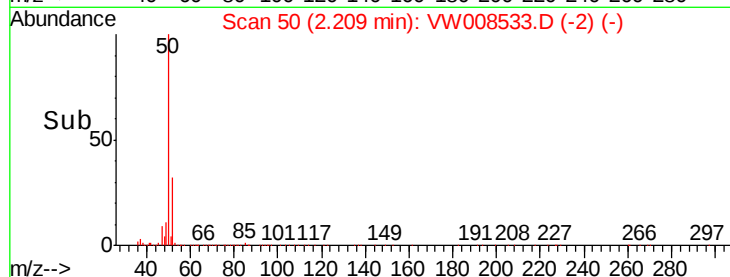
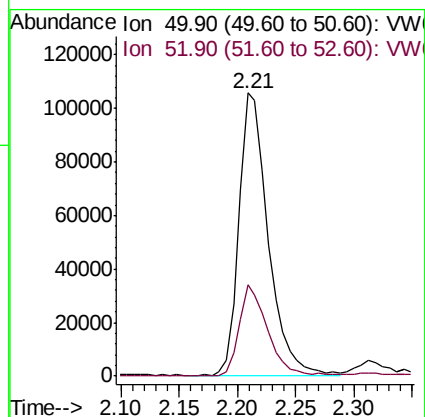
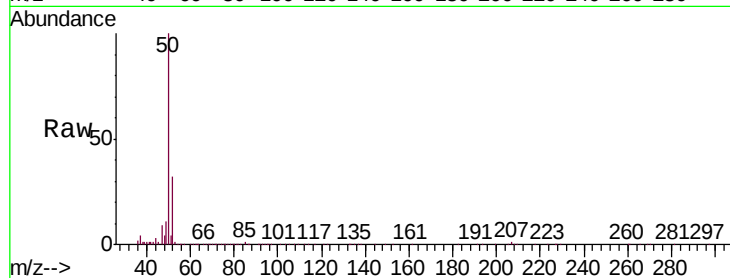
98-SB-01-2-4MSD

Tgt Ion: 50 Resp: 185539

Ion Ratio Lower Upper

50 100

52 32.1 26.3 39.5



#4

Vinyl Chloride

Concen: 50.288 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW008533.D

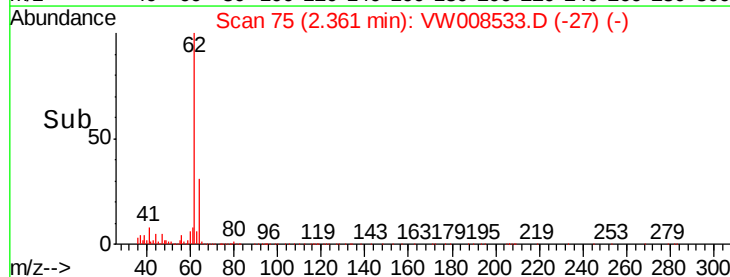
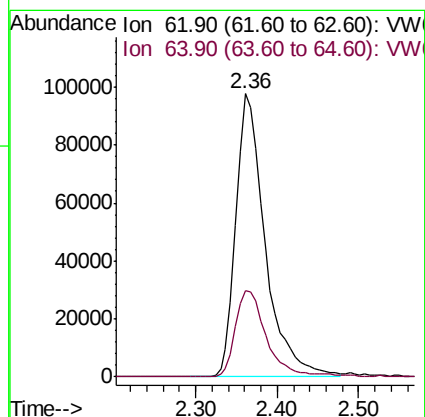
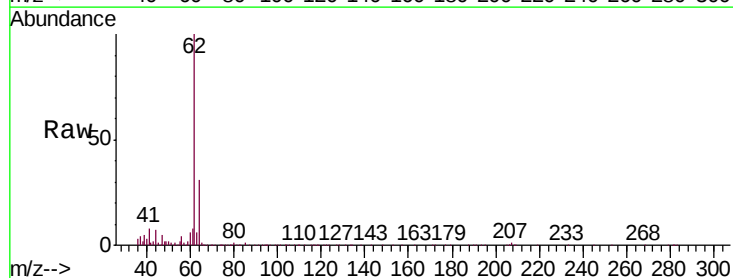
Acq: 06 Feb 2019 17:40

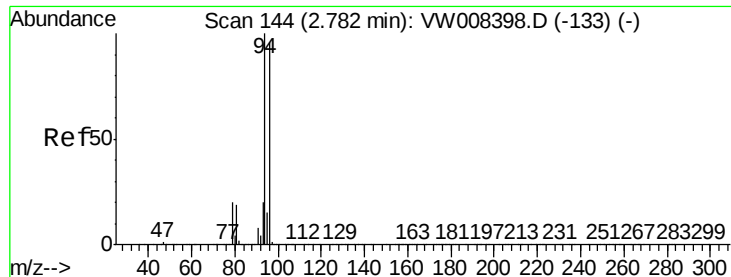
Tgt Ion: 62 Resp: 241199

Ion Ratio Lower Upper

62 100

64 30.6 25.5 38.3





#5

Bromomethane

Concen: 63.628 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW008533.D

Acq: 06 Feb 2019 17:40

Instrument :

MSVOA_W

ClientSampleId :

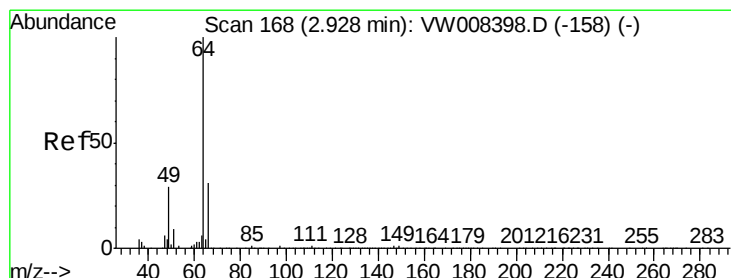
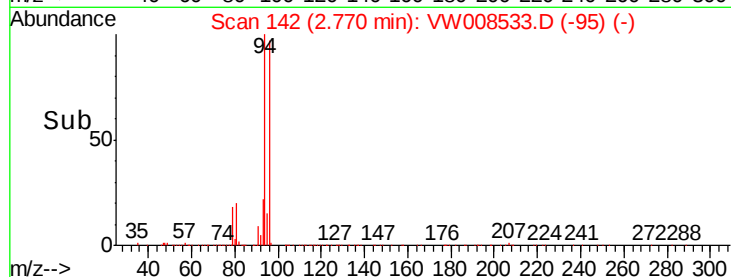
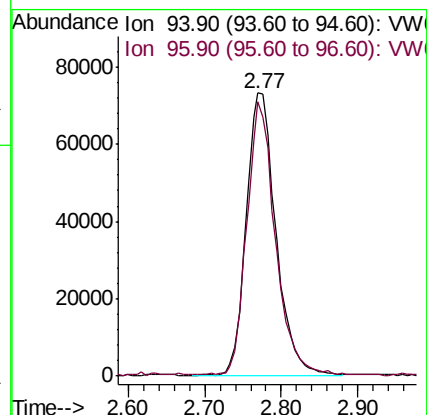
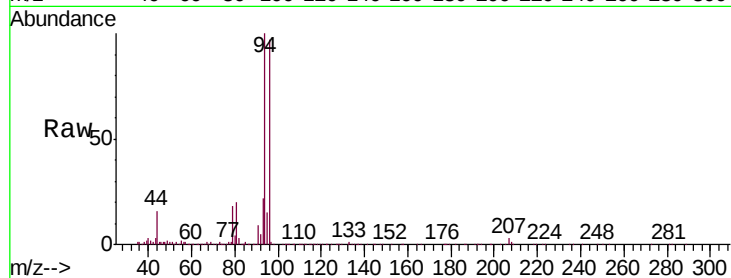
98-SB-01-2-4MSD

Tgt Ion: 94 Resp: 196843

Ion Ratio Lower Upper

94 100

96 96.8 77.2 115.8



#6

Chloroethane

Concen: 65.776 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008533.D

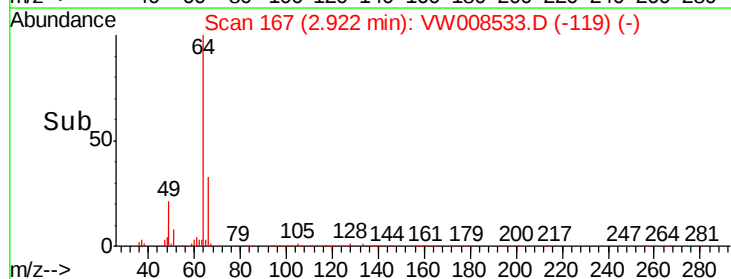
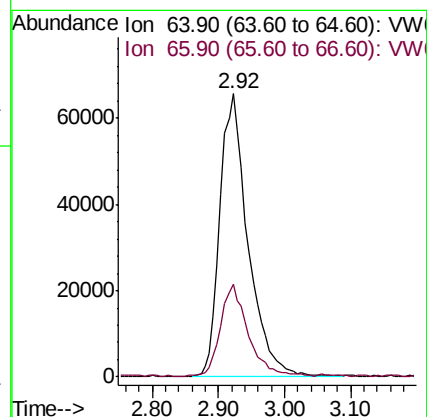
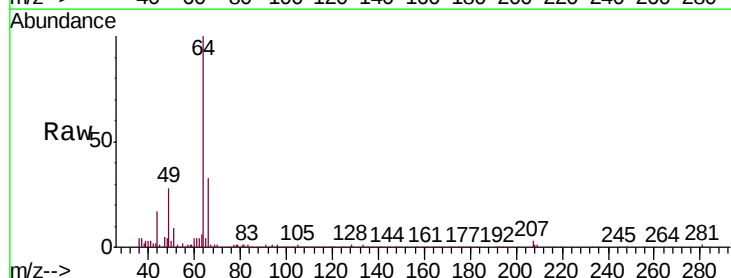
Acq: 06 Feb 2019 17:40

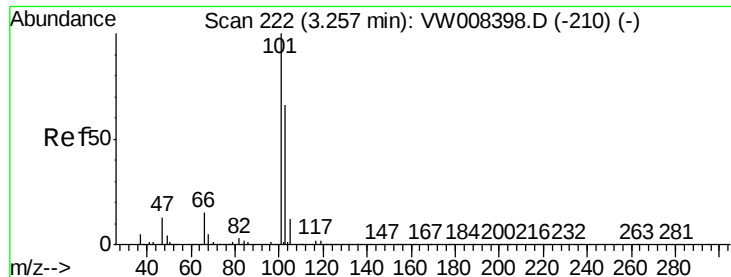
Tgt Ion: 64 Resp: 192942

Ion Ratio Lower Upper

64 100

66 32.4 24.9 37.3



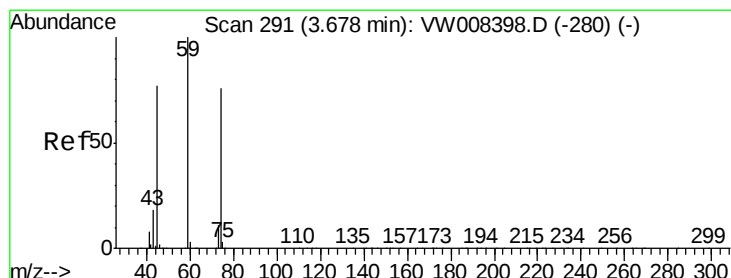
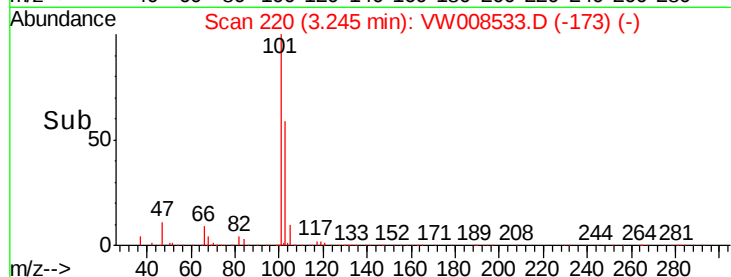
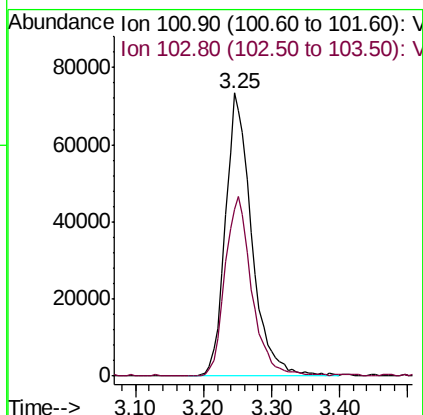
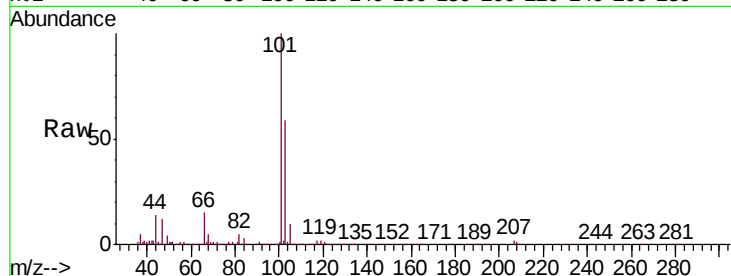


#7

Trichlorofluoromethane
Concen: 47.326 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
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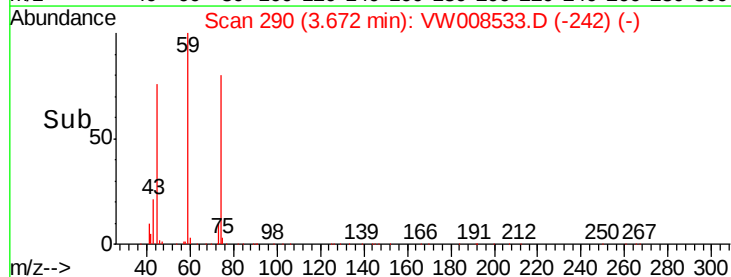
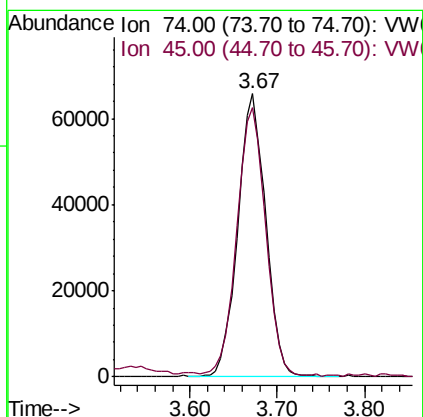
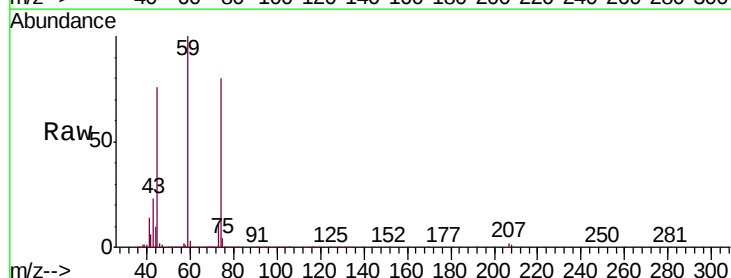
Tgt Ion:101 Resp: 196268
Ion Ratio Lower Upper
101 100
103 58.9 52.5 78.7



#8

Diethyl Ether
Concen: 63.482 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW008533.D
Acq: 06 Feb 2019 17:40

Tgt Ion: 74 Resp: 146131
Ion Ratio Lower Upper
74 100
45 96.6 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.887 ug/l

RT: 4.04 min Scan# 351

Delta R.T. -0.02 min

Lab File: VW008533.D

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Instrument :

MSVOA_W

ClientSampleId :

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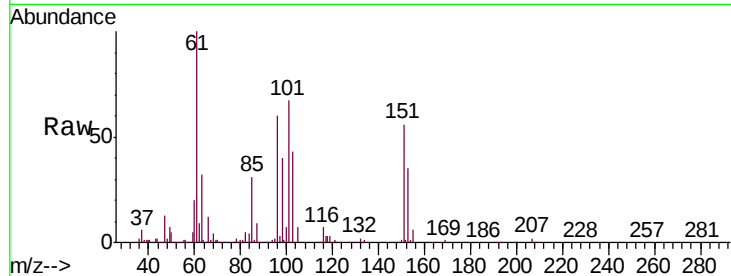
Tgt Ion:101 Resp: 208269

Ion Ratio Lower Upper

101 100

85 44.8 35.0 52.4

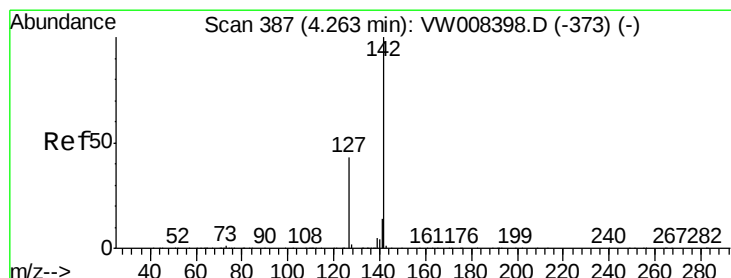
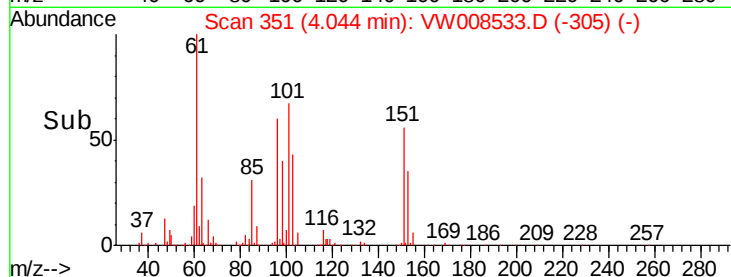
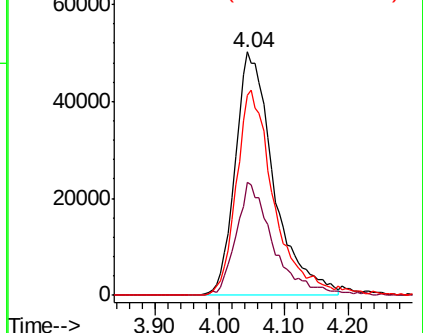
151 81.4 62.6 94.0



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: 51.975 ug/l

RT: 4.26 min Scan# 387

Delta R.T. 0.00 min

Lab File: VW008533.D

Acq: 06 Feb 2019 17:40

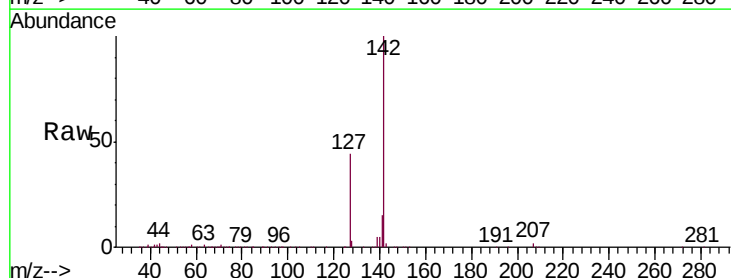
Tgt Ion:142 Resp: 342738

Ion Ratio Lower Upper

142 100

127 43.6 34.6 52.0

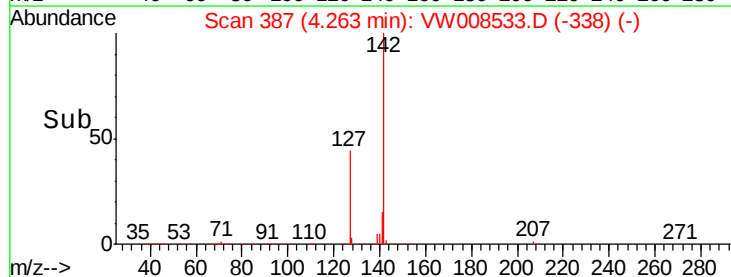
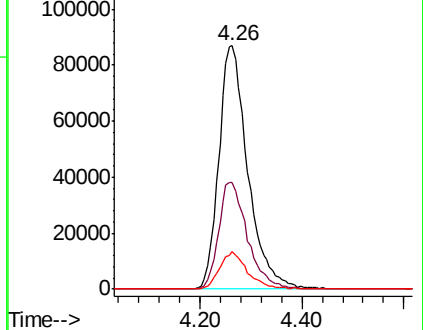
141 14.8 11.4 17.2

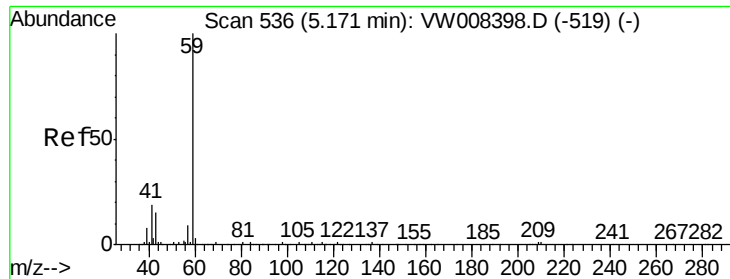


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

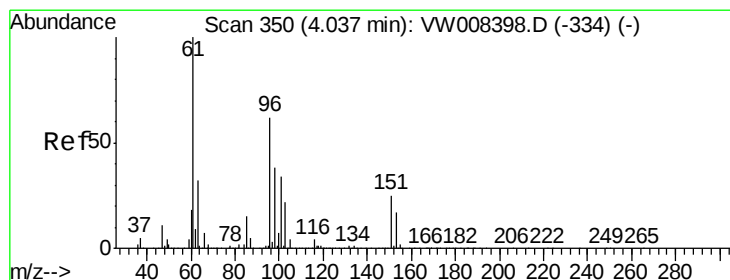
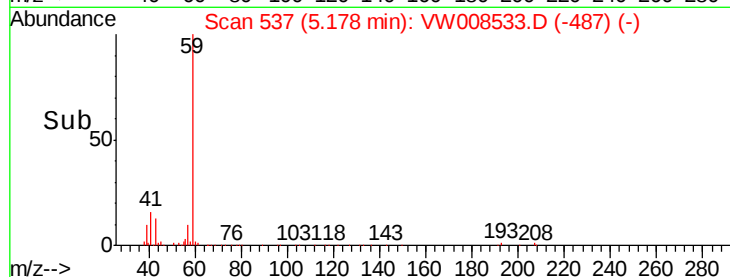
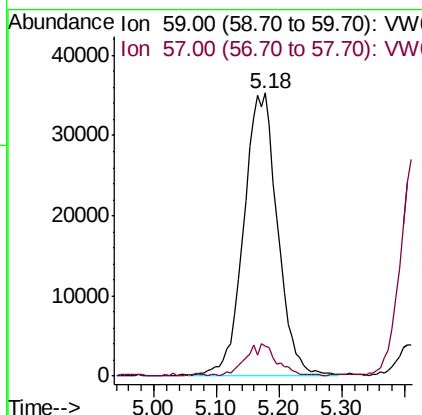
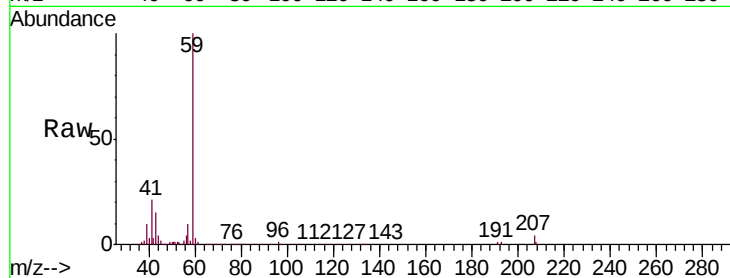




#11
Tert butyl alcohol
Concen: 357.013 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW008533.D
Acq: 06 Feb 2019 17:40

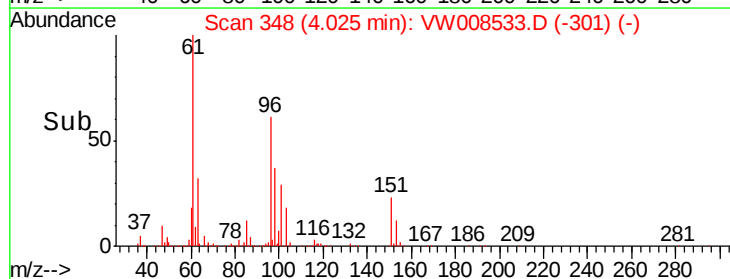
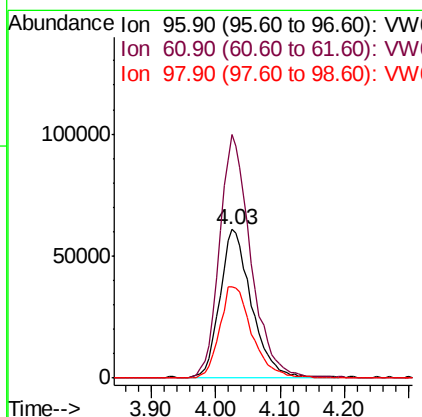
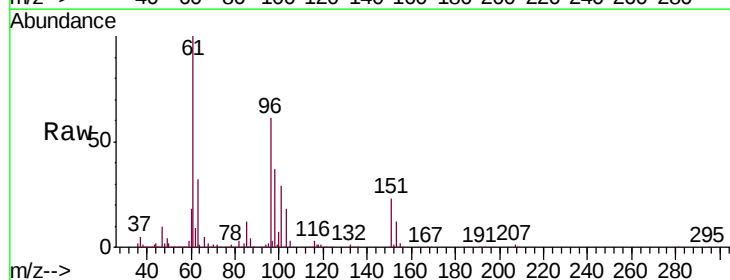
Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4MSD

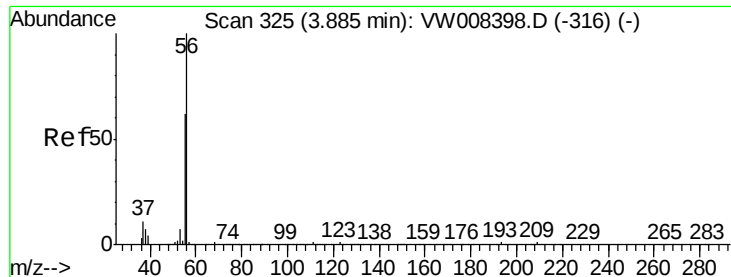
Tgt Ion: 59 Resp: 130343
Ion Ratio Lower Upper
59 100
57 4.5 9.3 13.9#



#12
1,1-Dichloroethene
Concen: 49.507 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.01 min
Lab File: VW008533.D
Acq: 06 Feb 2019 17:40

Tgt Ion: 96 Resp: 209168
Ion Ratio Lower Upper
96 100
61 163.7 129.5 194.3
98 61.4 48.6 73.0

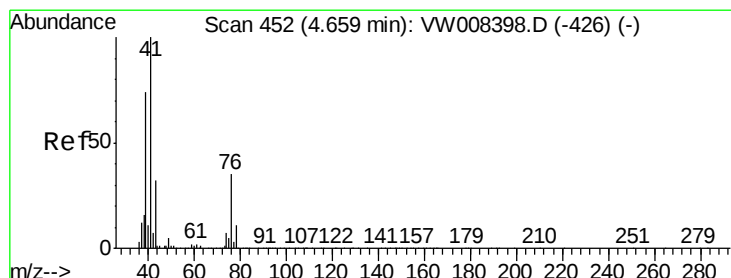
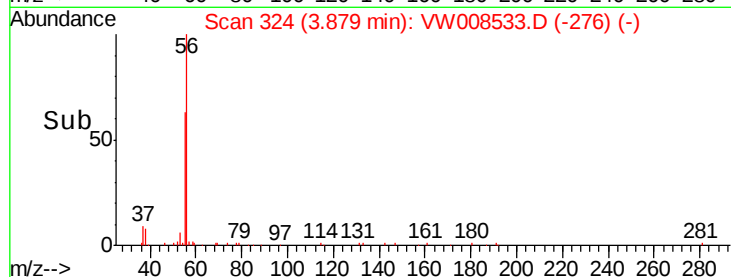
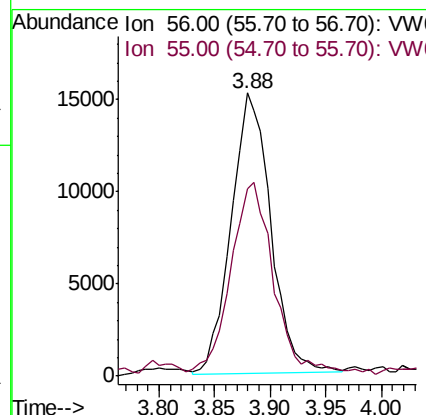
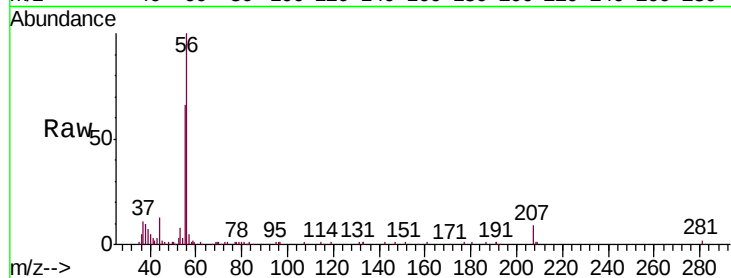




#13
Acrolein
Concen: 118.608 ug/l
RT: 3.88 min Scan# 324
Delta R.T. -0.01 min
Lab File: VW008533.D
Acq: 06 Feb 2019 17:40

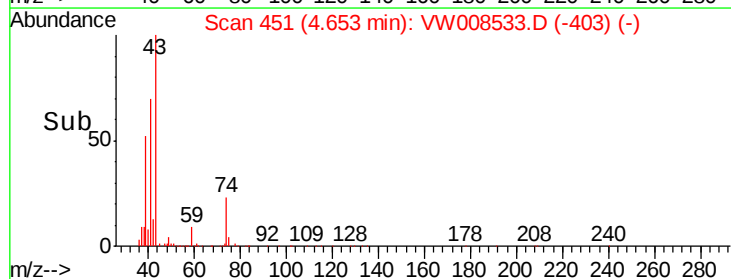
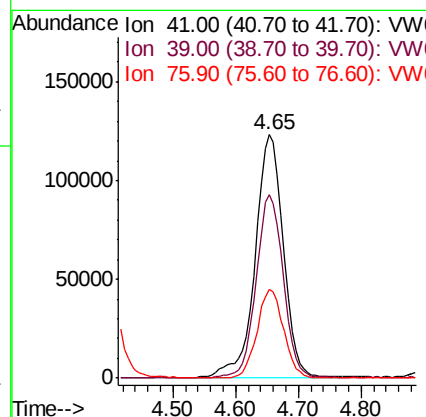
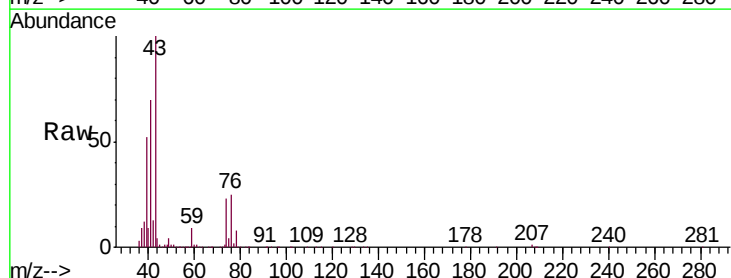
Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4MSD

Tgt Ion: 56 Resp: 37485
Ion Ratio Lower Upper
56 100
55 71.9 56.7 85.1



#14
Allyl chloride
Concen: 47.502 ug/l
RT: 4.65 min Scan# 451
Delta R.T. -0.01 min
Lab File: VW008533.D
Acq: 06 Feb 2019 17:40

Tgt Ion: 41 Resp: 381104
Ion Ratio Lower Upper
41 100
39 72.9 57.7 86.5
76 34.5 26.9 40.3





#15

Acrylonitrile

Concen: 352.648 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW008533.D

Acq: 06 Feb 2019 17:40

Instrument :

MSVOA_W

ClientSampleId :

98-SB-01-2-4MSD

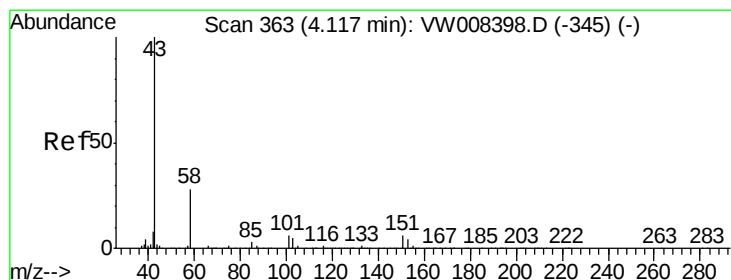
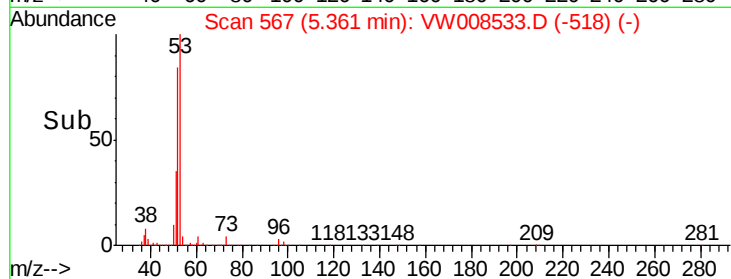
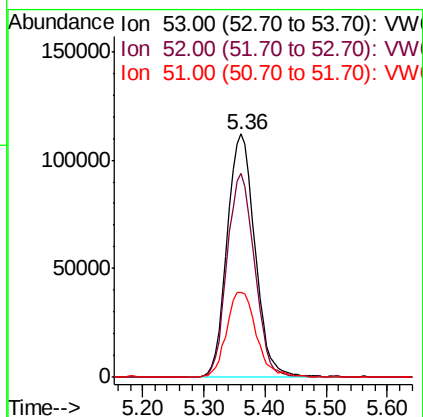
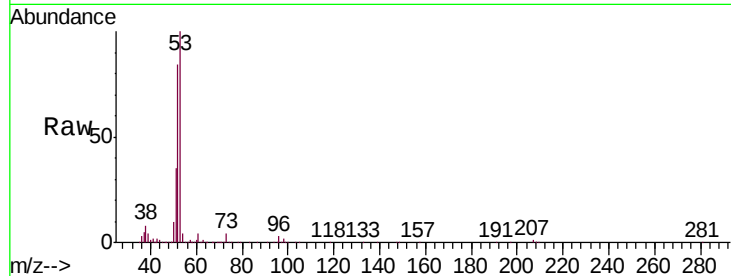
Tgt Ion: 53 Resp: 350530

Ion Ratio Lower Upper

53 100

52 82.7 67.0 100.4

51 37.7 29.8 44.8



#16

Acetone

Concen: 400.022 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW008533.D

Acq: 06 Feb 2019 17:40

Tgt Ion: 43 Resp: 407353

Ion Ratio Lower Upper

43 100

58 28.8 22.6 34.0

