

Data File : VW008532.D
Acq On : 06 Feb 2019 17:14
Operator : SY/VA
Sample : K1385-02MS
Misc : 10.84G/5ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Feb 07 01:49:51 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	473342	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	759691	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	626938	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	241292	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	293372	63.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	126.18%	
35) Dibromofluoromethane	7.88	113	248457	55.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.86%	
50) Toluene-d8	10.32	98	914264	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
62) 4-Bromofluorobenzene	12.62	95	284174	41.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.00%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.01	85	131564	48.221	ug/l	96
3) Chloromethane	2.21	50	194019	50.215	ug/l	99
4) Vinyl Chloride	2.37	62	266472	54.178	ug/l	99
5) Bromomethane	2.77	94	219977	69.340	ug/l	95
6) Chloroethane	2.92	64	223350	74.252	ug/l	97
7) Trichlorofluoromethane	3.25	101	221119	51.528	ug/l	99
8) Diethyl Ether	3.67	74	167676	71.033	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	253372	59.183	ug/l	99
10) Methyl Iodide	4.26	142	390500	57.748	ug/l	99
11) Tert butyl alcohol	5.17	59	153826	410.871	ug/l	96
12) 1,1-Dichloroethene	4.03	96	242239	55.910	ug/l	98
13) Acrolein	3.89	56	27219	85.208	ug/l	93
14) Allyl chloride	4.65	41	439294	53.395	ug/l	99
15) Acrylonitrile	5.36	53	411684	403.887	ug/l	99
16) Acetone	4.12	43	492132	471.274	ug/l	99
17) Carbon Disulfide	4.37	76	608399	43.967	ug/l	100
18) Methyl Acetate	4.67	43	750963	269.621	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	531389	74.129	ug/l	97
20) Methylene Chloride	4.91	84	312965	65.024	ug/l	95
21) trans-1,2-Dichloroethene	5.41	96	256620	52.684	ug/l	99
22) Diisopropyl ether	6.31	45	927398	59.477	ug/l	98
23) Vinyl Acetate	6.31	43	548607	59.586	ug/l #	75
24) 1,1-Dichloroethane	6.21	63	525448	59.534	ug/l	98
25) 2-Butanone	7.17	43	586217	404.161	ug/l	98
26) 2,2-Dichloropropane	7.16	77	313728	52.587	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	307107	57.852	ug/l	97
28) Bromochloromethane	7.51	49	238224	58.766	ug/l	95
29) Tetrahydrofuran	7.52	42	389464	423.720	ug/l	97
30) Chloroform	7.67	83	533212	61.422	ug/l	100
31) Cyclohexane	7.95	56	407278	44.627	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	440669	58.770	ug/l	98
36) 1,1-Dichloropropene	8.08	75	368073	51.291	ug/l	99
37) Ethyl Acetate	7.25	43	93941	29.589	ug/l #	81
38) Carbon Tetrachloride	8.06	117	405938	56.214	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	392113	41.594	ug/l	97
40) Benzene	8.32	78	1123091	56.400	ug/l	100
41) Methacrylonitrile	7.48	41	135029	71.827	ug/l	91
42) 1,2-Dichloroethane	8.40	62	375868	65.134	ug/l	100
43) Isopropyl Acetate	8.42	43	253833	38.483	ug/l #	90
44) Trichloroethene	9.09	130	352768	65.147	ug/l	99
45) 1,2-Dichloropropane	9.37	63	294093	59.233	ug/l	99
46) Dibromomethane	9.46	93	169389	66.331	ug/l	97
47) Bromodichloromethane	9.64	83	412773	61.110	ug/l	98
48) Methyl methacrylate	9.43	41	294369	91.272	ug/l	97
49) 1,4-Dioxane	9.45	88	66771	1546.864	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	1210377	371.438	ug/l	99
52) Toluene	10.38	92	692307	52.668	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	385331	53.612	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	438731	53.789	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	242908	68.577	ug/l	98
56) Ethyl methacrylate	10.65	69	198912	40.077	ug/l	98
57) 1,3-Dichloropropane	10.93	76	413051	65.091	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	795173	329.740	ug/l	97
59) 2-Hexanone	10.97	43	808272	351.353	ug/l	100
60) Dibromochloromethane	11.13	129	289448	63.588	ug/l	100
61) 1,2-Dibromoethane	11.23	107	227056	64.648	ug/l	98
64) Tetrachloroethene	10.86	164	432293	101.841	ug/l	98
65) Chlorobenzene	11.66	112	716929	56.019	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	294922	64.409	ug/l	97
67) Ethyl Benzene	11.73	91	1275210	54.207	ug/l	99
68) m/p-Xylenes	11.84	106	957084	104.857	ug/l	99
69) o-Xylene	12.16	106	481354	55.503	ug/l	100
70) Styrene	12.18	104	724514	50.576	ug/l	97
71) Bromoform	12.35	173	181446	70.430	ug/l	98
73) Isopropylbenzene	12.46	105	1249173	69.442	ug/l	100
74) N-amyl acetate	12.27	43	99888	21.554	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	225082	79.032	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	367897	175.367	ug/l #	1
77) Bromobenzene	12.75	156	281655	71.694	ug/l	99
78) n-propylbenzene	12.80	91	1324062	61.283	ug/l	99
79) 2-Chlorotoluene	12.90	91	791036	64.882	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	974899	64.839	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	83177	78.309	ug/l	97
82) 4-Chlorotoluene	12.99	91	754460	58.122	ug/l	98
83) tert-Butylbenzene	13.21	119	856648	64.025	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	981358	64.214	ug/l	100
85) sec-Butylbenzene	13.38	105	1090941	57.092	ug/l	99
86) p-Isopropyltoluene	13.50	119	991726	59.250	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	451157	56.863	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	435501	55.232	ug/l	100
89) n-Butylbenzene	13.83	91	730372	44.442	ug/l	99
90) Hexachloroethane	14.10	117	190096	58.075	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	427736	60.929	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	51880	96.007	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW020619\
Quantitation Report (Not Reviewed)

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Quant Title : SW846 8260
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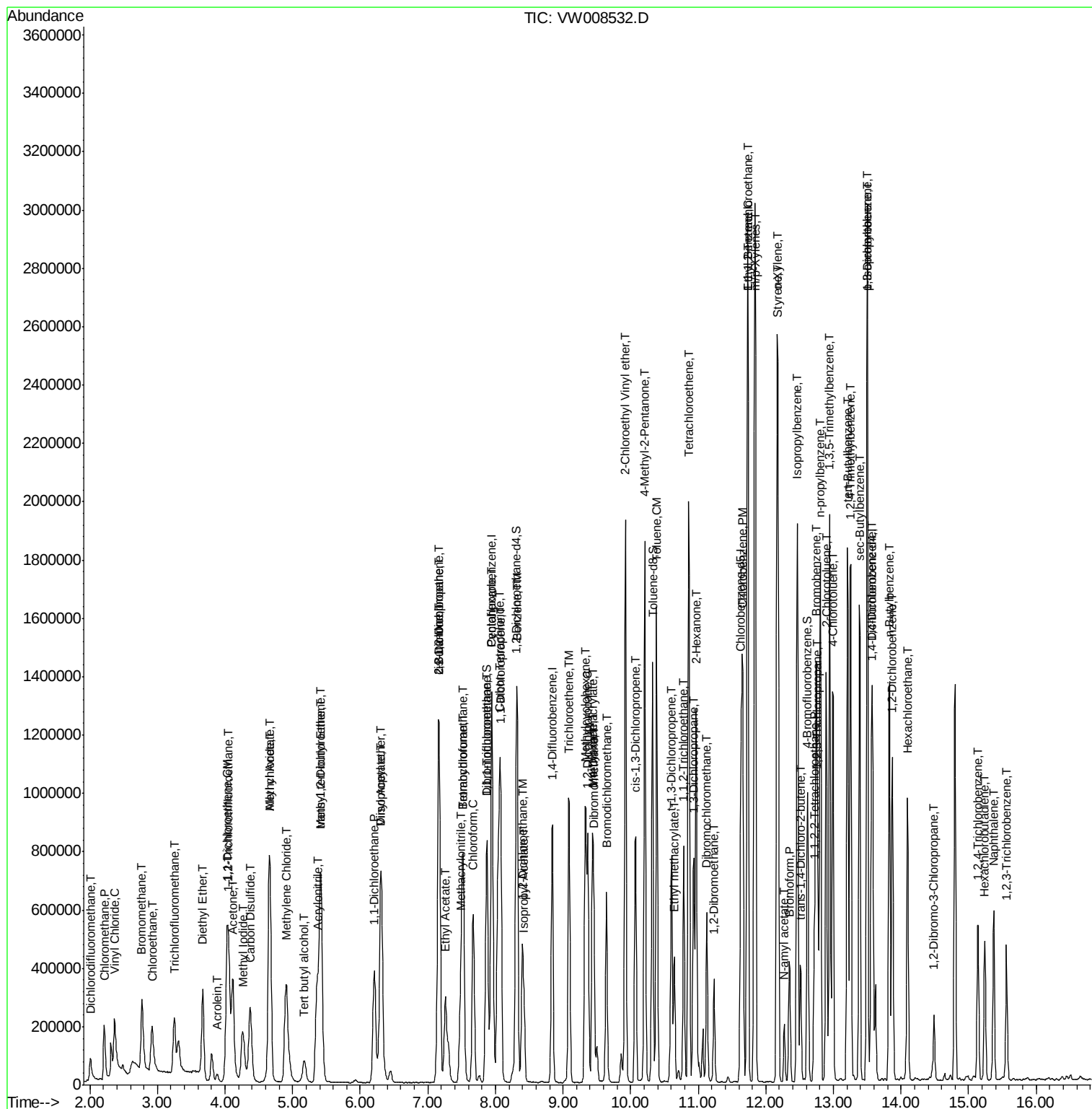
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	173426	34.618	ug/l	98
94) Hexachlorobutadiene	15.24	225	91554	30.324	ug/l	97
95) Naphthalene	15.37	128	490241	55.732	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	152393	35.860	ug/l	98

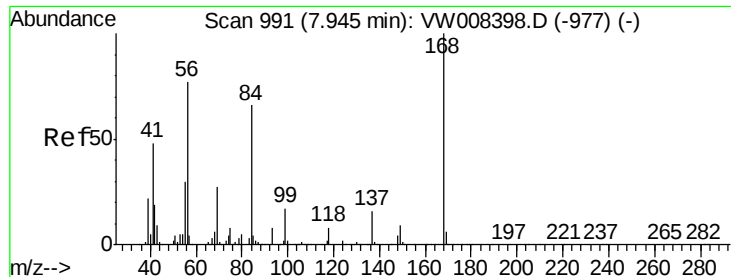
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008532.D

Acq: 06 Feb 2019 17:14

Instrument :

MSVOA_W

ClientSampleId :

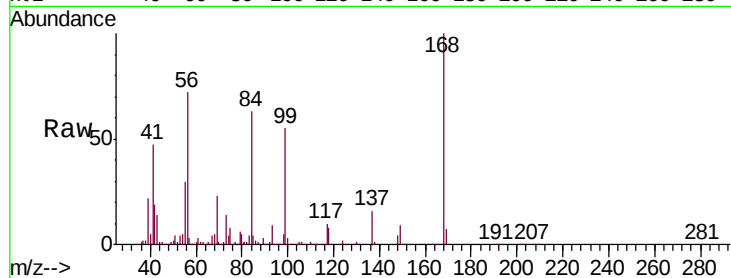
98-SB-01-2-4MS

Tgt Ion:168 Resp: 473342

Ion Ratio Lower Upper

168 100

99 54.6 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

250000

200000

150000

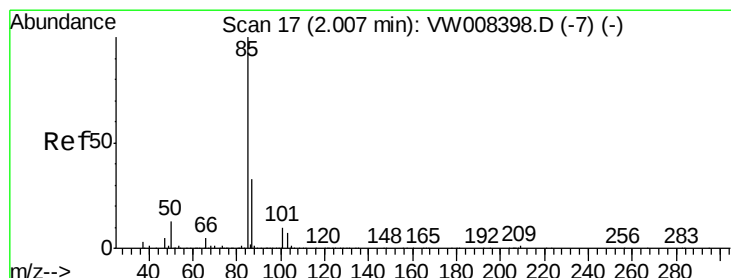
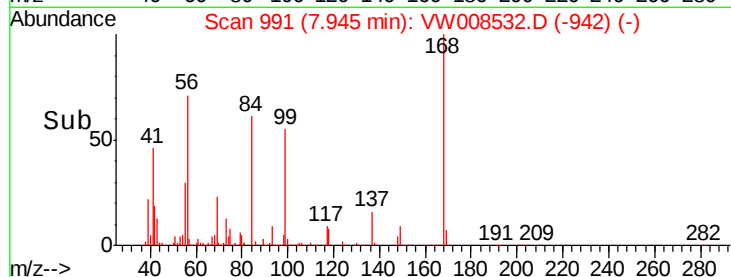
100000

50000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 48.221 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008532.D

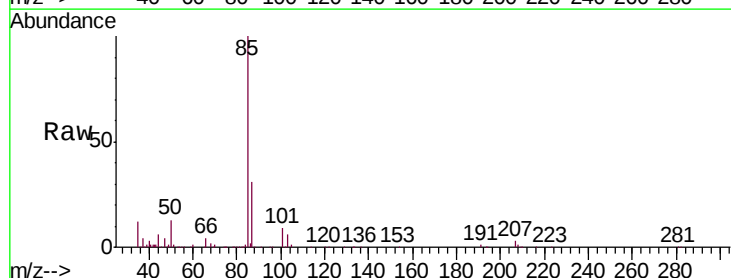
Acq: 06 Feb 2019 17:14

Tgt Ion: 85 Resp: 131564

Ion Ratio Lower Upper

85 100

87 30.9 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

40000

30000

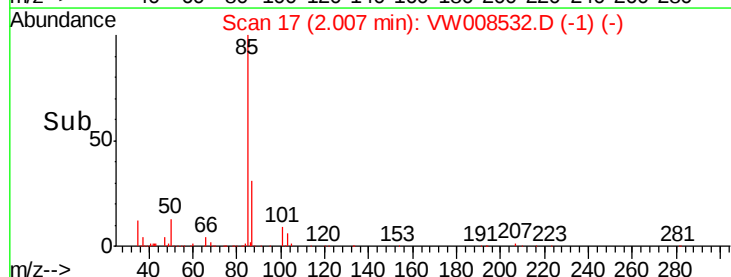
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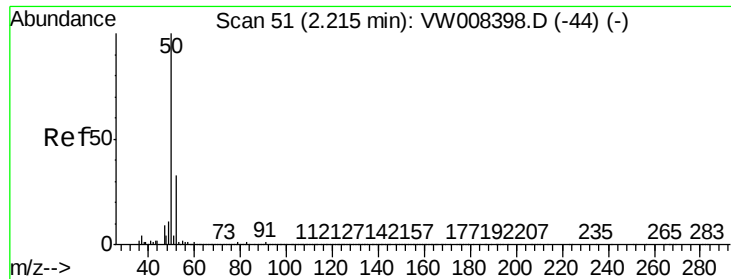
10000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 50.215 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008532.D

Acq: 06 Feb 2019 17:14

Instrument :

MSVOA_W

ClientSampleId :

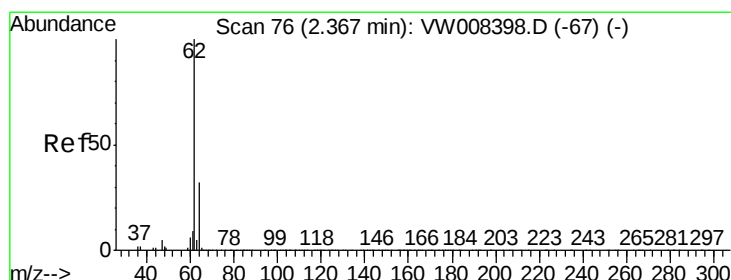
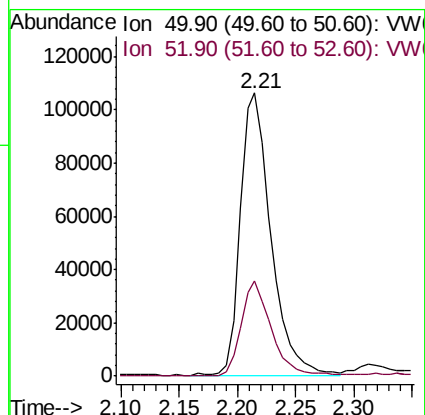
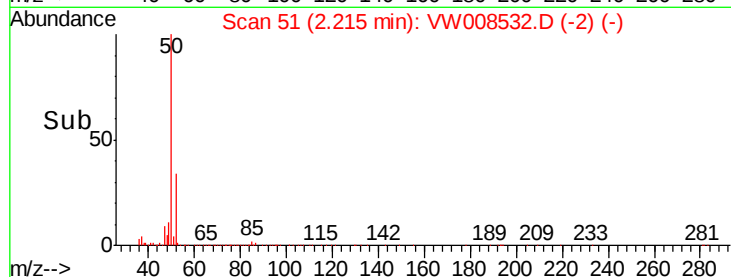
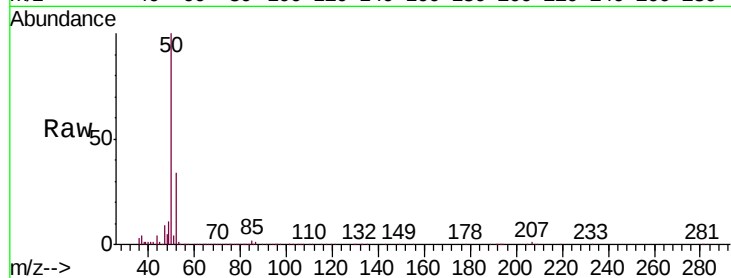
98-SB-01-2-4MS

Tgt Ion: 50 Resp: 194019

Ion Ratio Lower Upper

50 100

52 33.7 26.3 39.5



#4

Vinyl Chloride

Concen: 54.178 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW008532.D

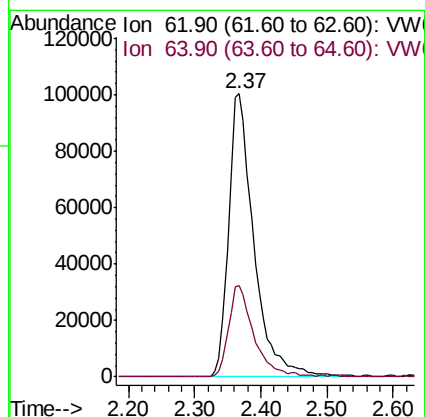
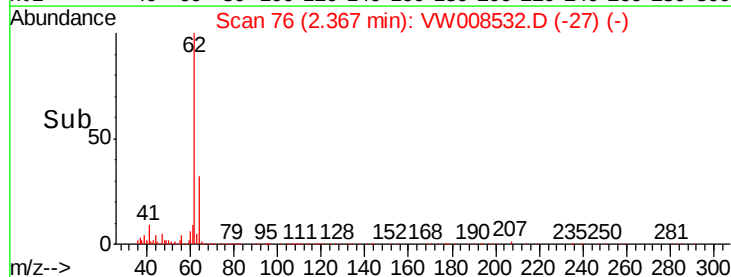
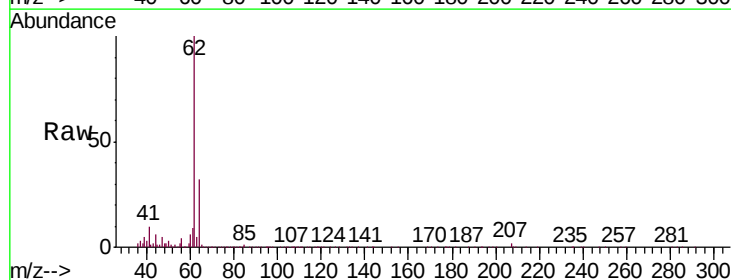
Acq: 06 Feb 2019 17:14

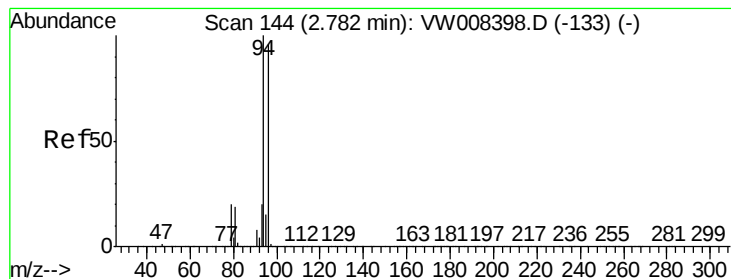
Tgt Ion: 62 Resp: 266472

Ion Ratio Lower Upper

62 100

64 32.5 25.5 38.3





#5

Bromomethane

Concen: 69.340 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW008532.D

Acq: 06 Feb 2019 17:14

Instrument :

MSVOA_W

ClientSampleId :

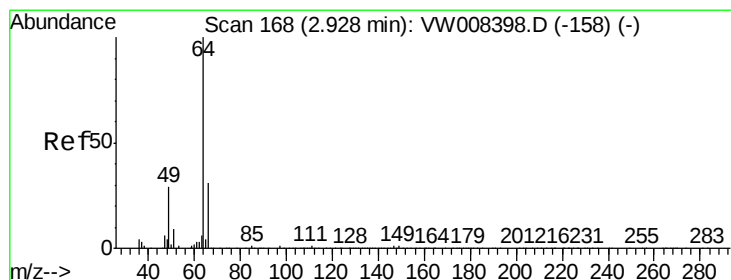
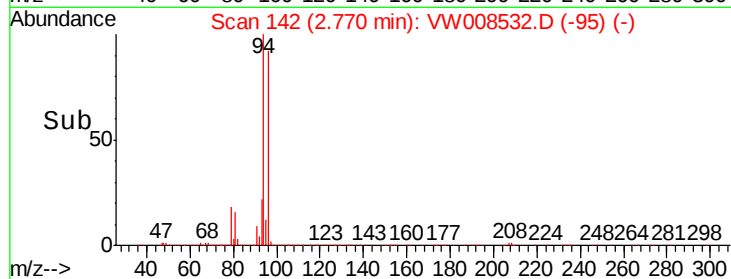
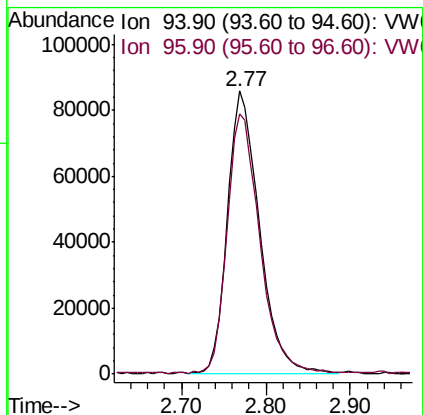
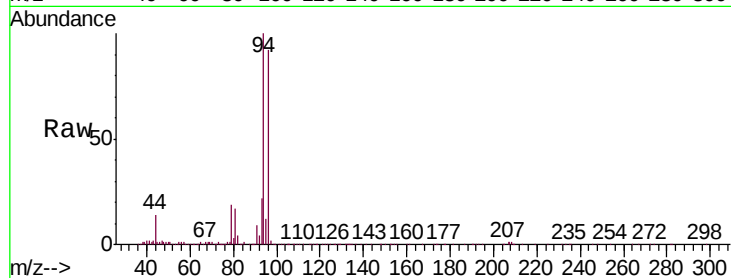
98-SB-01-2-4MS

Tgt Ion: 94 Resp: 219977

Ion Ratio Lower Upper

94 100

96 92.1 77.2 115.8



#6

Chloroethane

Concen: 74.252 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008532.D

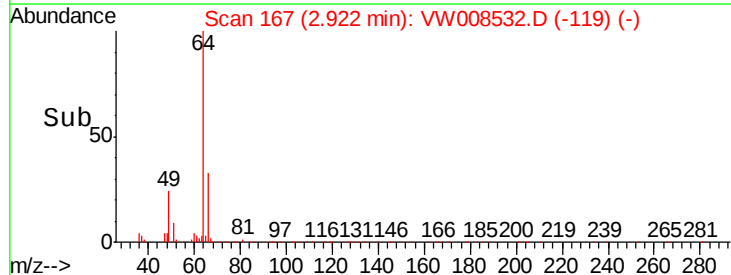
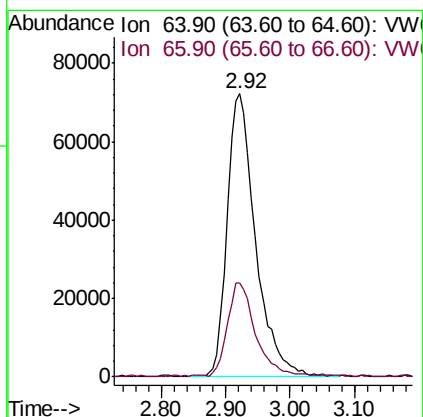
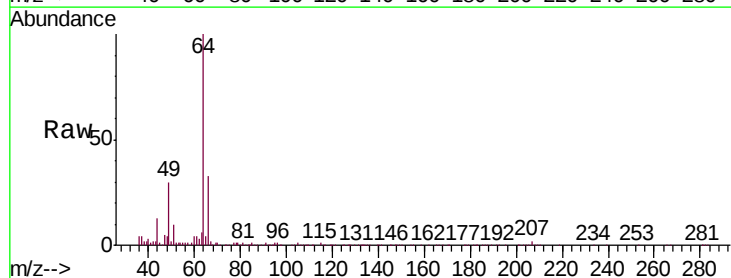
Acq: 06 Feb 2019 17:14

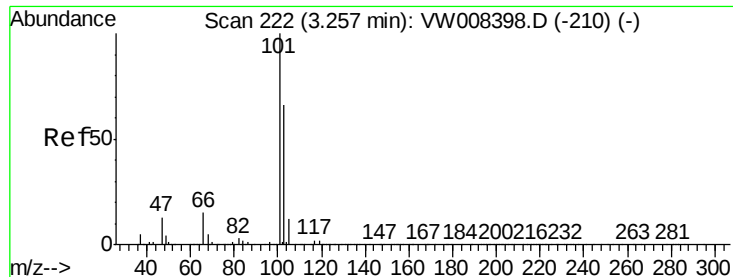
Tgt Ion: 64 Resp: 223350

Ion Ratio Lower Upper

64 100

66 32.8 24.9 37.3



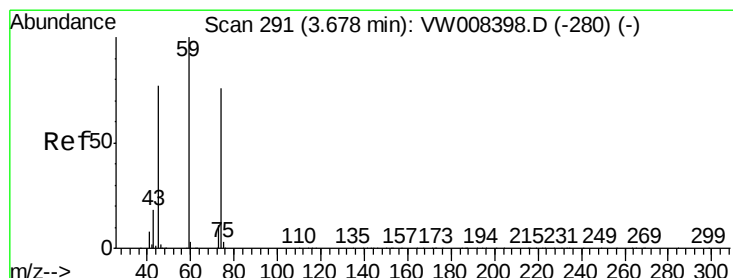
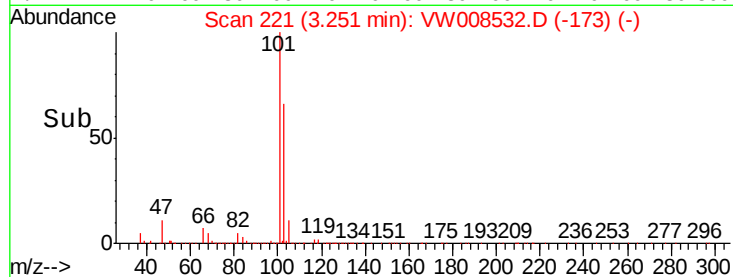
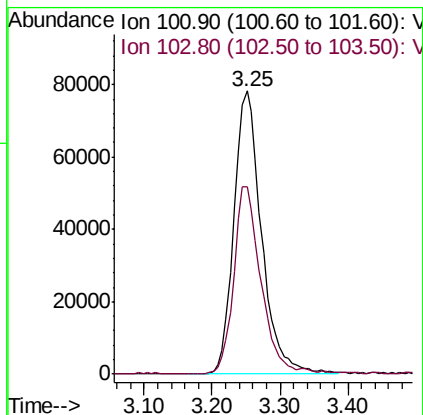
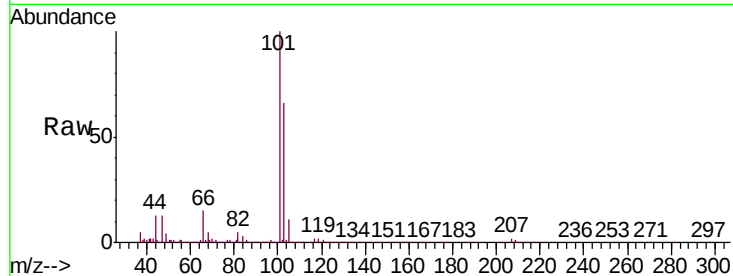


#7

Trichlorofluoromethane
 Concen: 51.528 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
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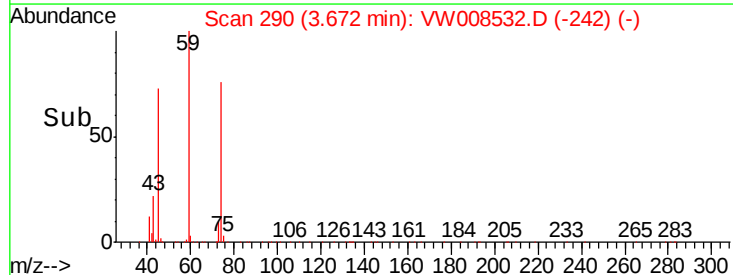
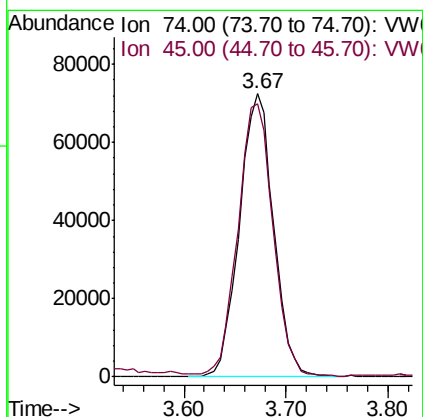
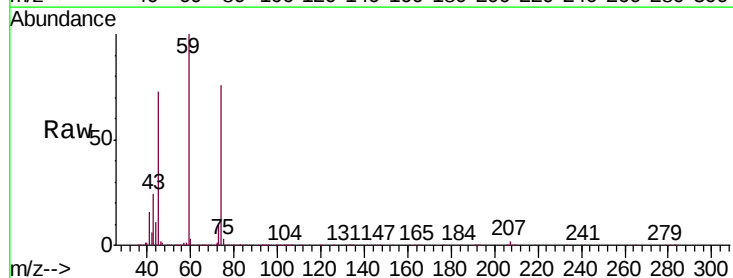
Tgt Ion:101 Resp: 221119
 Ion Ratio Lower Upper
 101 100
 103 66.3 52.5 78.7

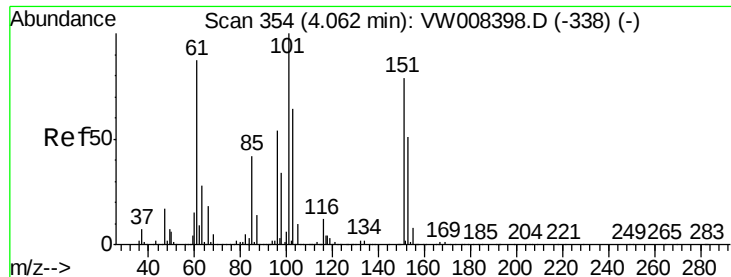


#8

Diethyl Ether
 Concen: 71.033 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW008532.D
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Tgt Ion: 74 Resp: 167676
 Ion Ratio Lower Upper
 74 100
 45 99.8 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 59.183 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

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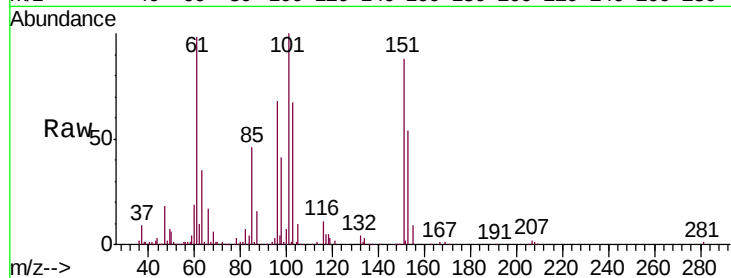
Tgt Ion:101 Resp: 253372

Ion Ratio Lower Upper

101 100

85 43.8 35.0 52.4

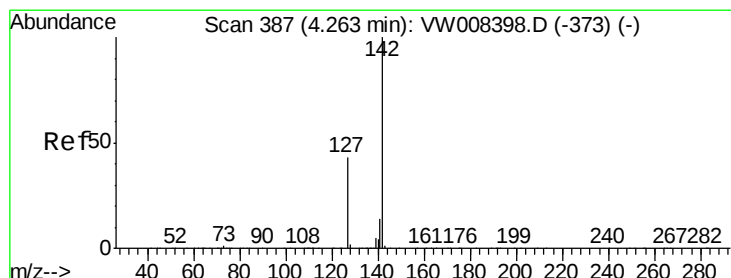
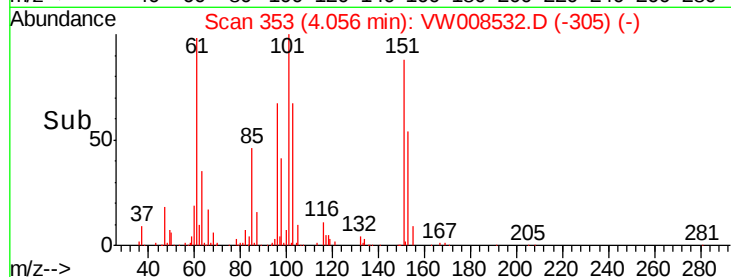
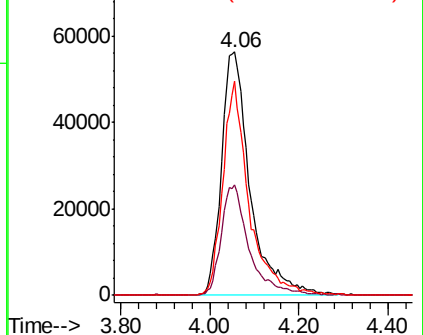
151 80.1 62.6 94.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 57.748 ug/l

RT: 4.26 min Scan# 387

Delta R.T. 0.00 min

Lab File: VW008532.D

Acq: 06 Feb 2019 17:14

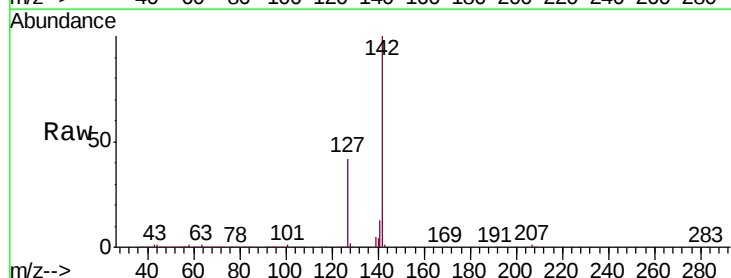
Tgt Ion:142 Resp: 390500

Ion Ratio Lower Upper

142 100

127 42.5 34.6 52.0

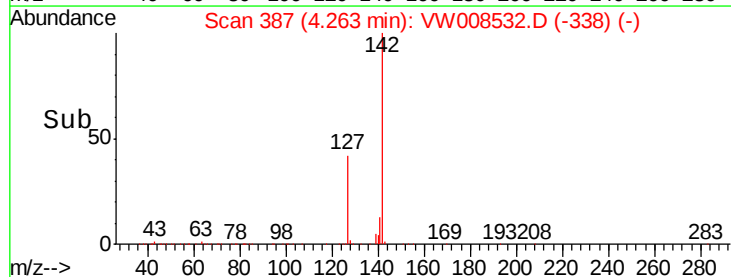
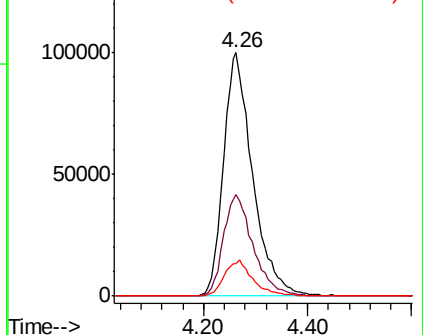
141 14.6 11.4 17.2

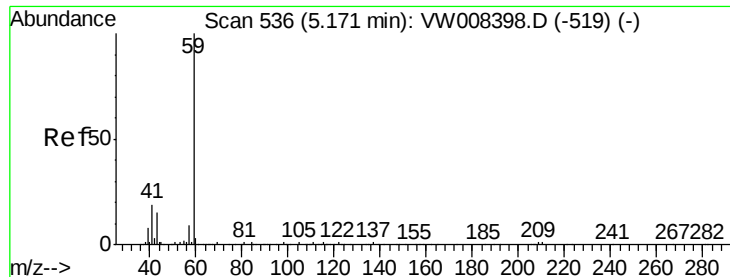


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

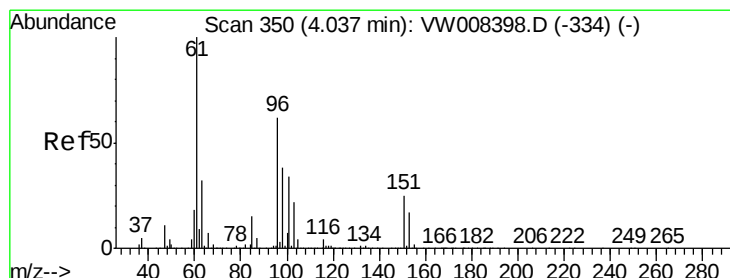
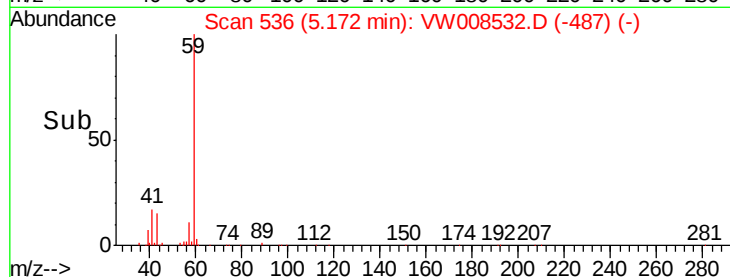
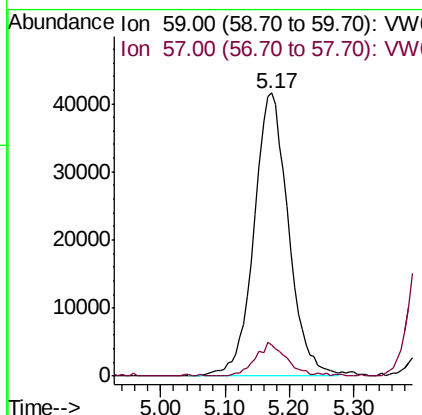
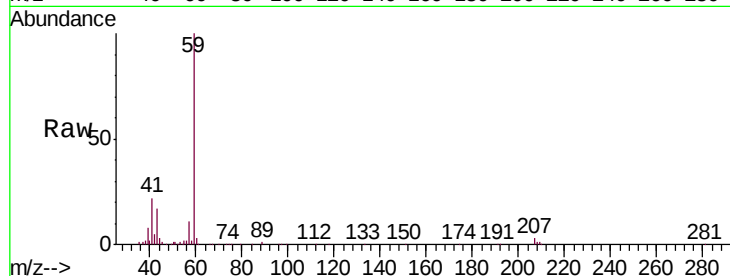




#11
Tert butyl alcohol
Concen: 410.871 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.00 min
Lab File: VW008532.D
Acq: 06 Feb 2019 17:14

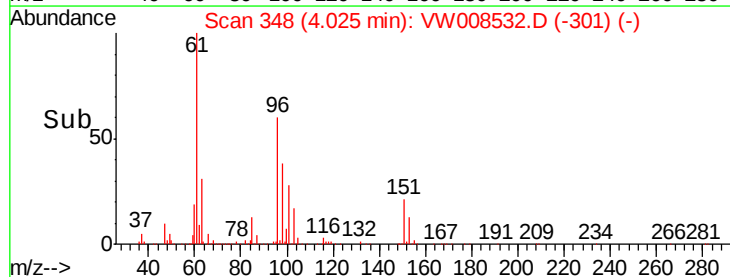
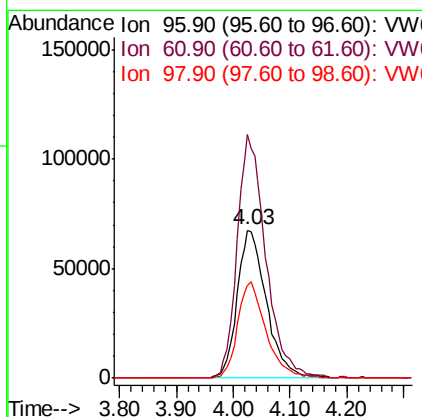
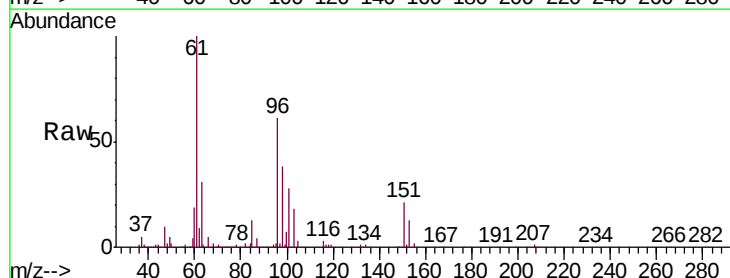
Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4MS

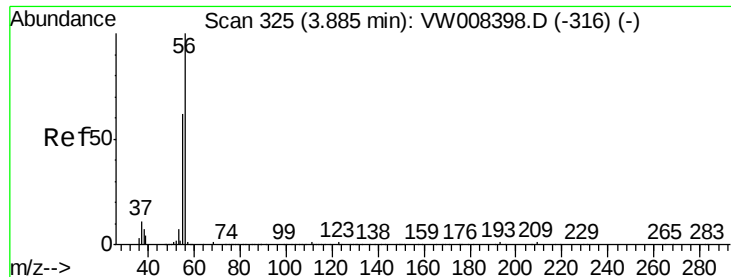
Tgt Ion: 59 Resp: 153826
Ion Ratio Lower Upper
59 100
57 10.2 9.3 13.9



#12
1,1-Dichloroethene
Concen: 55.910 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.01 min
Lab File: VW008532.D
Acq: 06 Feb 2019 17:14

Tgt Ion: 96 Resp: 242239
Ion Ratio Lower Upper
96 100
61 165.0 129.5 194.3
98 62.6 48.6 73.0





#13

Acrolein

Concen: 85.208 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW008532.D

Acq: 06 Feb 2019 17:14

Instrument :

MSVOA_W

ClientSampleId :

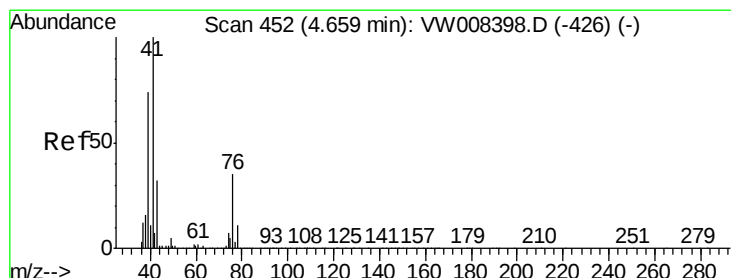
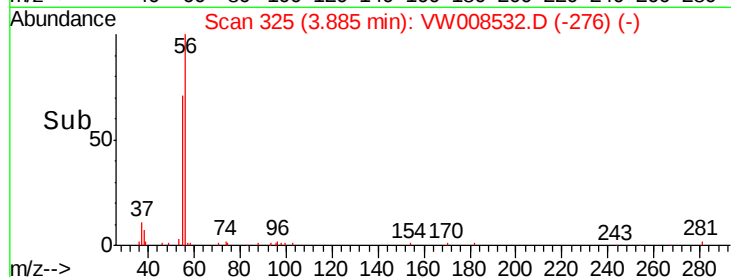
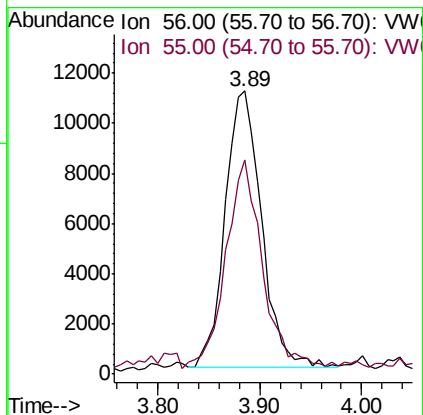
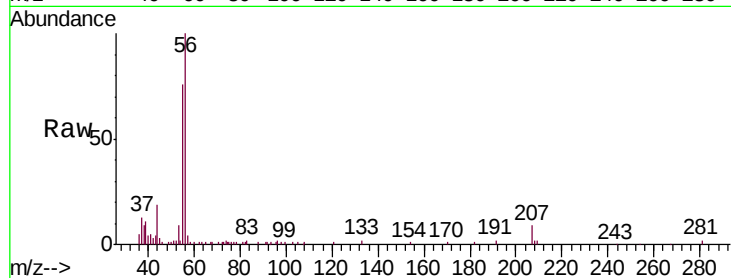
98-SB-01-2-4MS

Tgt Ion: 56 Resp: 27219

Ion Ratio Lower Upper

56 100

55 76.7 56.7 85.1



#14

Allyl chloride

Concen: 53.395 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW008532.D

Acq: 06 Feb 2019 17:14

Tgt Ion: 41 Resp: 439294

Ion Ratio Lower Upper

41 100

39 73.3 57.7 86.5

76 33.6 26.9 40.3

