

Data File : VW008546.D
Acq On : 07 Feb 2019 12:22
Operator : SY/VA
Sample : VW0207SBSD01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0207SBSD01

Quant Time: Feb 08 22:30:56 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	538687	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	825293	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	727039	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	383562	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	282889	53.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.90%	
35) Dibromofluoromethane	7.88	113	270384	56.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.06%	
50) Toluene-d8	10.32	98	1037411	53.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.22%	
62) 4-Bromofluorobenzene	12.62	95	387105	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.01	85	44024	16.474 ug/l	100
3) Chloromethane	2.21	50	70687	16.076 ug/l	100
4) Vinyl Chloride	2.36	62	100225	17.905 ug/l	98
5) Bromomethane	2.78	94	78425	21.722 ug/l	95
6) Chloroethane	2.92	64	75260	21.985 ug/l	99
7) Trichlorofluoromethane	3.25	101	83779	20.307 ug/l	96
8) Diethyl Ether	3.67	74	49189	18.310 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	94990	19.496 ug/l	96
10) Methyl Iodide	4.26	142	142214	18.480 ug/l	98
11) Tert butyl alcohol	5.17	59	39241	92.099 ug/l #	93
12) 1,1-Dichloroethene	4.03	96	91825	18.623 ug/l	98
13) Acrolein	3.89	56	32578	89.397 ug/l	94
14) Allyl chloride	4.66	41	152216	16.257 ug/l	96
15) Acrylonitrile	5.36	53	108102	93.190 ug/l	99
16) Acetone	4.12	43	106091	89.271 ug/l	99
17) Carbon Disulfide	4.37	76	265898	16.885 ug/l	97
18) Methyl Acetate	4.67	43	56200	17.730 ug/l	95
19) Methyl tert-butyl Ether	5.42	73	155273	19.033 ug/l	97
20) Methylene Chloride	4.90	84	135146	24.673 ug/l	96
21) trans-1,2-Dichloroethene	5.41	96	100216	18.079 ug/l	95
22) Diisopropyl ether	6.31	45	302378	17.040 ug/l	99
23) Vinyl Acetate	6.25	43	902989	86.179 ug/l	97
24) 1,1-Dichloroethane	6.21	63	177124	17.634 ug/l	97
25) 2-Butanone	7.17	43	149779	90.737 ug/l	100
26) 2,2-Dichloropropane	7.16	77	122769	18.082 ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	112412	18.607 ug/l	95
28) Bromochloromethane	7.51	49	83731	18.149 ug/l	95
29) Tetrahydrofuran	7.53	42	98911	94.557 ug/l	97
30) Chloroform	7.67	83	181797	18.401 ug/l	97
31) Cyclohexane	7.95	56	173365	16.692 ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	155468	18.219 ug/l	97
36) 1,1-Dichloropropene	8.08	75	146416	18.781 ug/l	100
37) Ethyl Acetate	7.25	43	67306	19.514 ug/l	97
38) Carbon Tetrachloride	8.06	117	149938	19.113 ug/l	98

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	180331	17.608	ug/l	99
40) Benzene	8.32	78	398505	18.422	ug/l	99
41) Methacrylonitrile	7.48	41	38484	18.844	ug/l	94
42) 1,2-Dichloroethane	8.40	62	118580	18.915	ug/l	98
43) Isopropyl Acetate	8.42	43	136049	18.986	ug/l	98
44) Trichloroethene	9.09	130	113830	19.350	ug/l	95
45) 1,2-Dichloropropane	9.37	63	95397	17.686	ug/l	100
46) Dibromomethane	9.46	93	52845	19.049	ug/l	95
47) Bromodichloromethane	9.64	83	135555	18.473	ug/l	100
48) Methyl methacrylate	9.43	41	59332	16.934	ug/l	93
49) 1,4-Dioxane	9.45	88	17942	382.617	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	332985	94.063	ug/l	100
52) Toluene	10.38	92	258390	18.095	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	135348	17.334	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	158186	17.852	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	75134	19.525	ug/l	98
56) Ethyl methacrylate	10.65	69	93623	17.364	ug/l	98
57) 1,3-Dichloropropane	10.93	76	130970	18.998	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	250730	95.707	ug/l	96
59) 2-Hexanone	10.97	43	233947	93.612	ug/l	99
60) Dibromochloromethane	11.13	129	90808	18.364	ug/l	99
61) 1,2-Dibromoethane	11.24	107	73082	19.154	ug/l	99
64) Tetrachloroethene	10.86	164	98286	19.967	ug/l	98
65) Chlorobenzene	11.66	112	283591	19.108	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	100788	18.981	ug/l	98
67) Ethyl Benzene	11.73	91	502473	18.418	ug/l	99
68) m/p-Xylenes	11.84	106	388275	36.682	ug/l	98
69) o-Xylene	12.16	106	184155	18.311	ug/l	98
70) Styrene	12.18	104	296691	17.859	ug/l	98
71) Bromoform	12.35	173	56153	18.795	ug/l #	98
73) Isopropylbenzene	12.46	105	516570	18.065	ug/l	98
74) N-amyl acetate	12.27	43	127120	17.256	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	87193	19.260	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	117341	35.187	ug/l	19
77) Bromobenzene	12.75	156	119222	19.091	ug/l	92
78) n-propylbenzene	12.80	91	612867	17.845	ug/l	98
79) 2-Chlorotoluene	12.89	91	342829	17.689	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	427662	17.893	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	28010	16.589	ug/l	93
82) 4-Chlorotoluene	12.99	91	359056	17.401	ug/l	96
83) tert-Butylbenzene	13.21	119	378870	17.813	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	434803	17.898	ug/l	99
85) sec-Butylbenzene	13.38	105	546399	17.988	ug/l	100
86) p-Isopropyltoluene	13.50	119	481435	18.094	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	239324	18.976	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	238898	19.060	ug/l	98
89) n-Butylbenzene	13.83	91	464449	17.778	ug/l	98
90) Hexachloroethane	14.10	117	88634	17.034	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	210024	18.820	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	17072	19.875	ug/l	91

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

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	159627	20.045	ug/l	99
94) Hexachlorobutadiene	15.24	225	93985	19.583	ug/l	99
95) Naphthalene	15.37	128	277823	19.869	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	141308	20.918	ug/l	98

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

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Operator : SY/VA

Sample : VW0207SBSD01

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

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ALS Vial      : 5      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
VW0207SBSD01

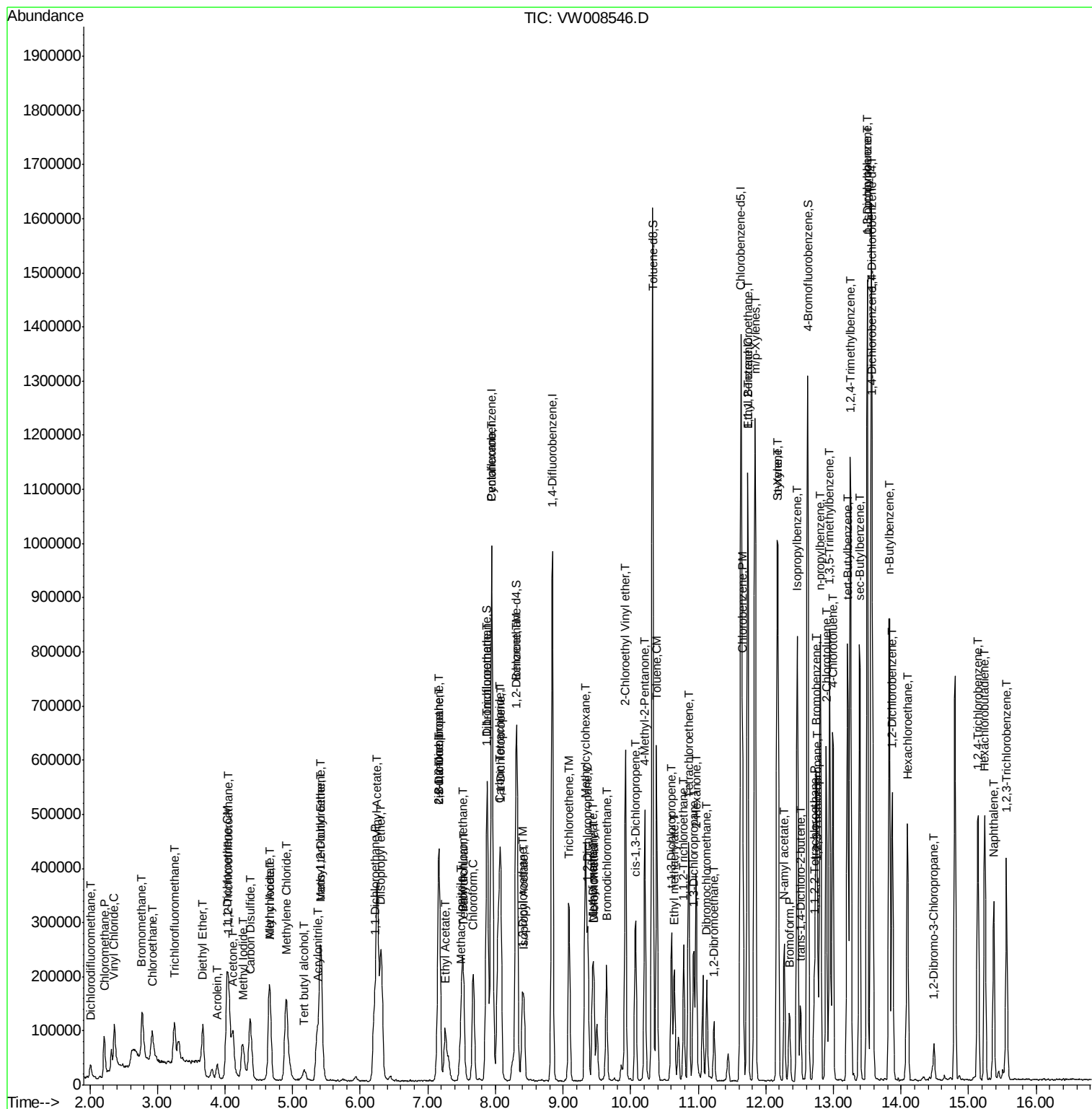
Quant Time: Feb 08 22:30:56 2019

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

Lab File: VW008546.D

Acq: 07 Feb 2019 12:22

Instrument :

MSVOA_W

ClientSampleId :

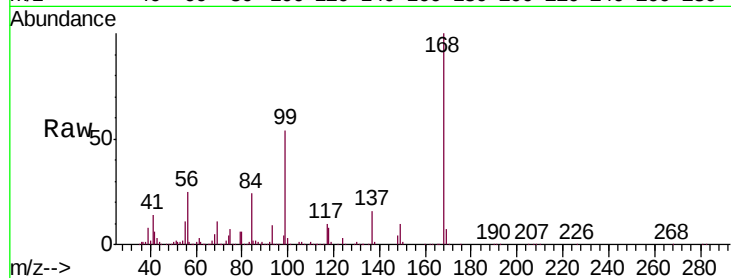
VW0207SBSD01

Tgt Ion:168 Resp: 538687

Ion Ratio Lower Upper

168 100

99 54.3 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

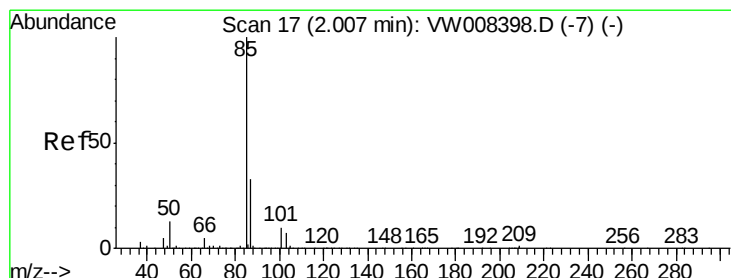
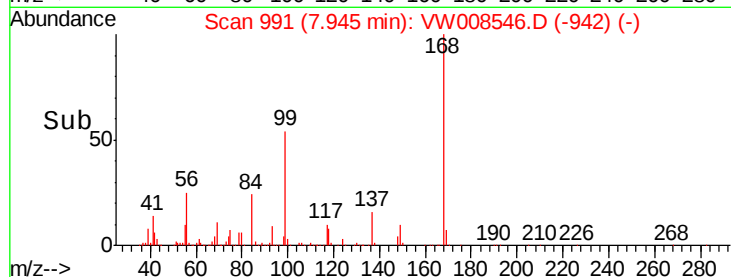
50000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 16.474 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW008546.D

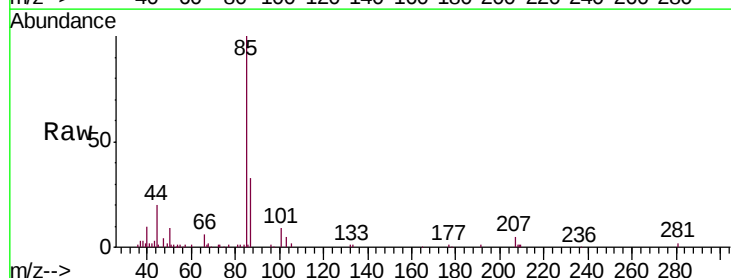
Acq: 07 Feb 2019 12:22

Tgt Ion: 85 Resp: 44024

Ion Ratio Lower Upper

85 100

87 33.4 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

15000

10000

5000

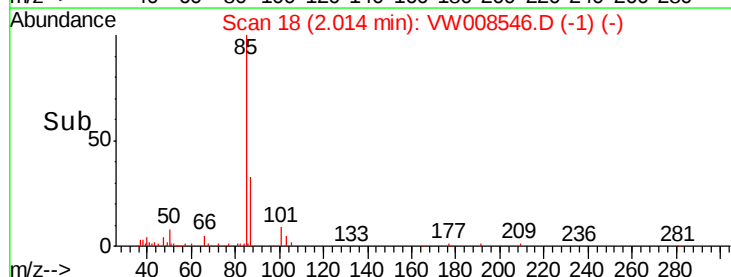
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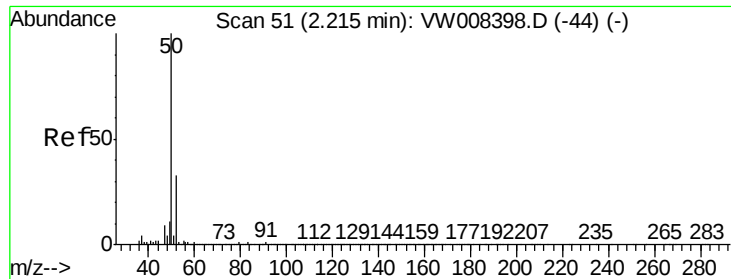
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 16.076 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008546.D

Acq: 07 Feb 2019 12:22

Instrument :

MSVOA_W

ClientSampleId :

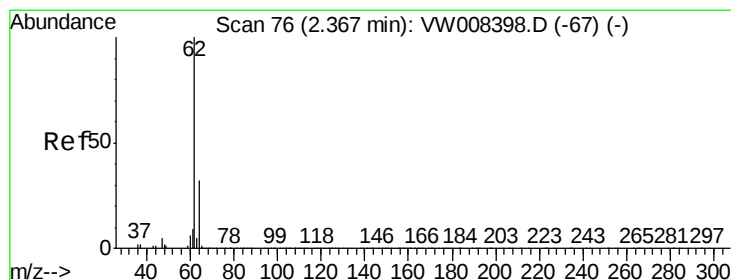
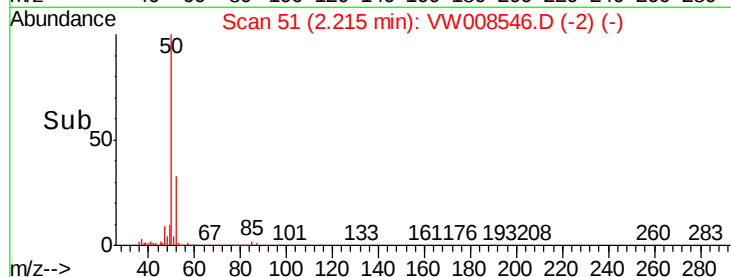
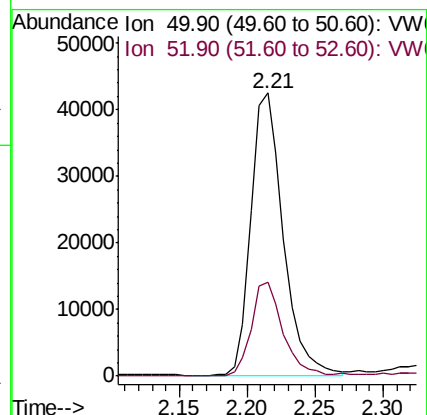
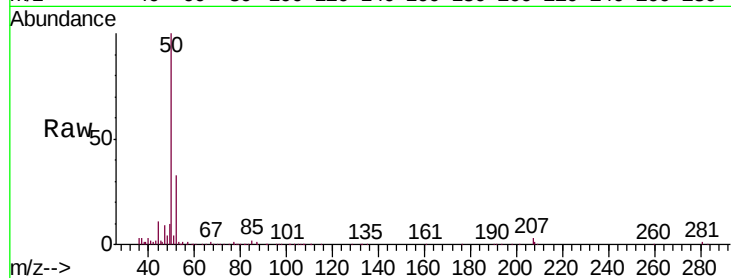
VW0207SBSD01

Tgt Ion: 50 Resp: 70687

Ion Ratio Lower Upper

50 100

52 33.0 26.3 39.5



#4

Vinyl Chloride

Concen: 17.905 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW008546.D

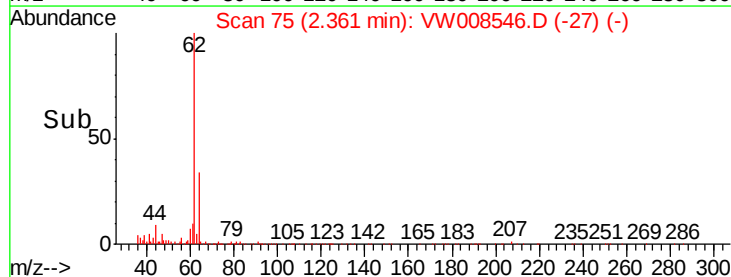
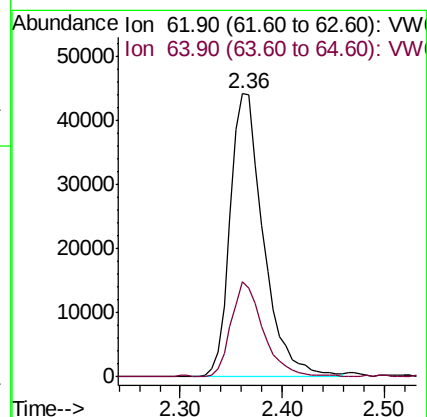
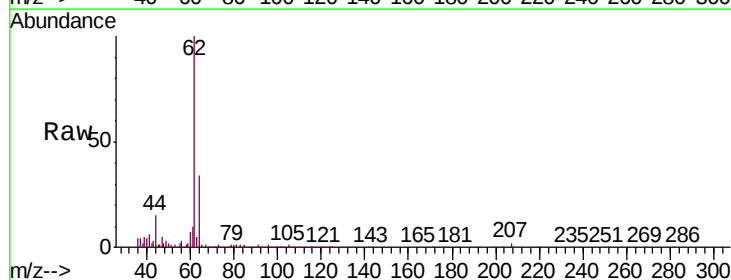
Acq: 07 Feb 2019 12:22

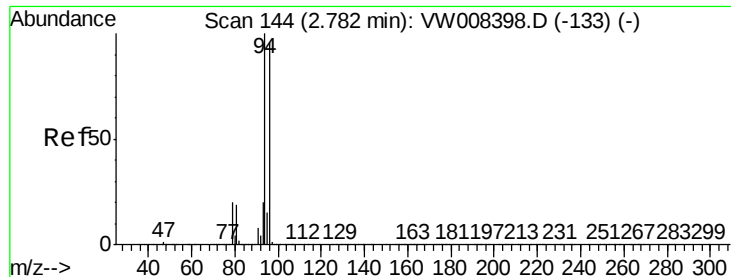
Tgt Ion: 62 Resp: 100225

Ion Ratio Lower Upper

62 100

64 33.2 25.5 38.3





#5

Bromomethane

Concen: 21.722 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW008546.D

Acq: 07 Feb 2019 12:22

Instrument :

MSVOA_W

ClientSampleId :

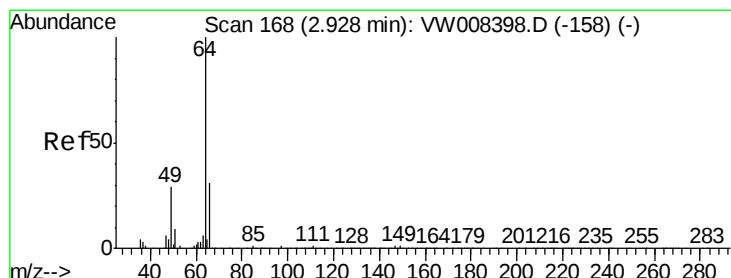
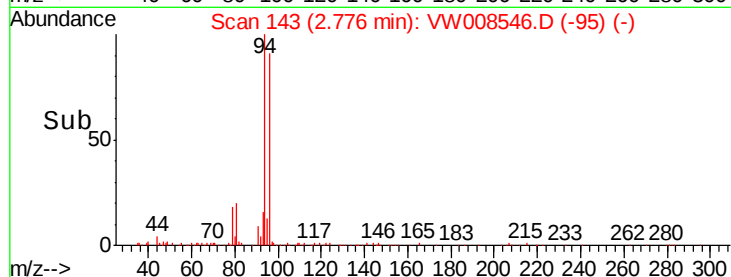
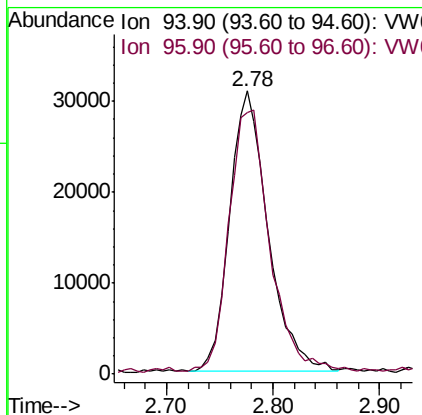
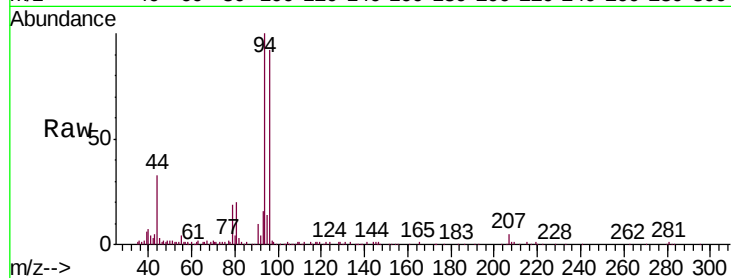
VW0207SBSD01

Tgt Ion: 94 Resp: 78425

Ion Ratio Lower Upper

94 100

96 91.9 77.2 115.8



#6

Chloroethane

Concen: 21.985 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008546.D

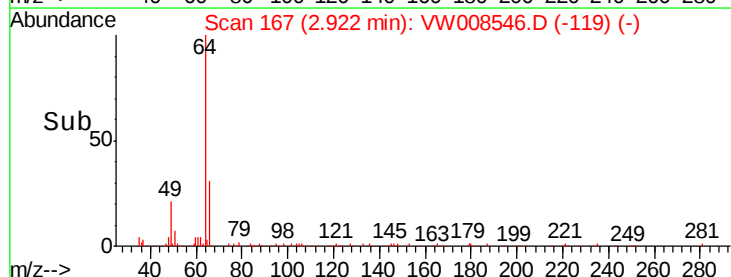
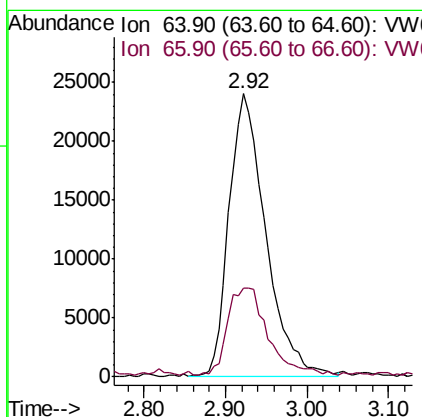
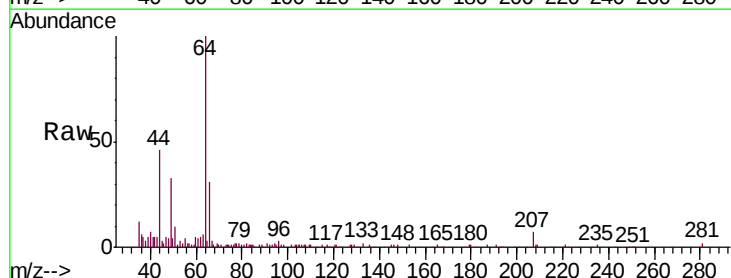
Acq: 07 Feb 2019 12:22

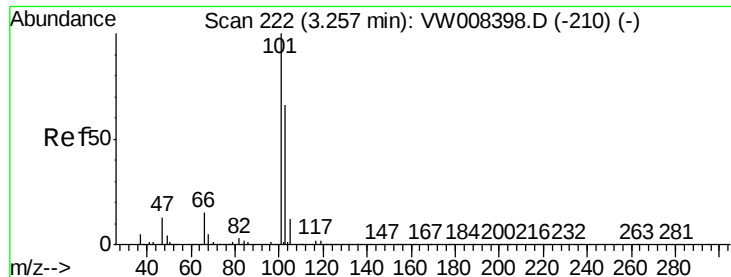
Tgt Ion: 64 Resp: 75260

Ion Ratio Lower Upper

64 100

66 30.6 24.9 37.3



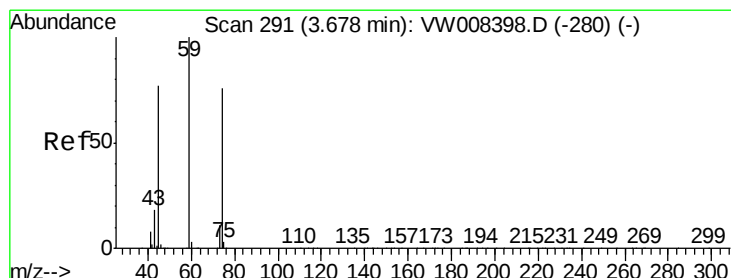
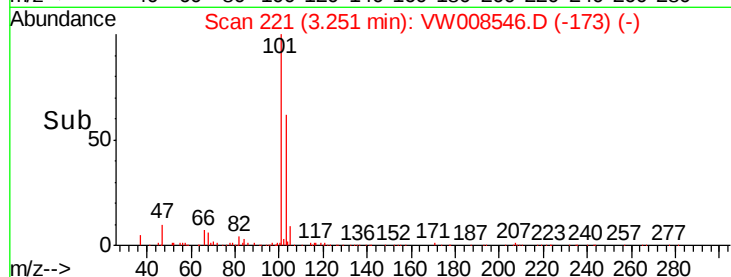
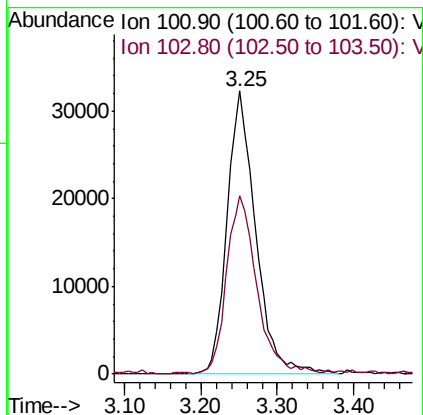
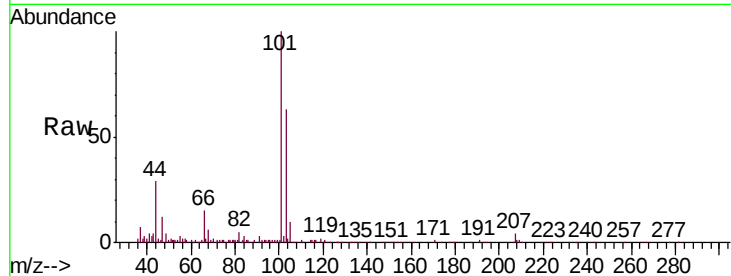


#7

Trichlorofluoromethane
Concen: 20.307 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW008546.D
Acq: 07 Feb 2019 12:22

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Tgt Ion:101 Resp: 83779
Ion Ratio Lower Upper
101 100
103 62.2 52.5 78.7



#8

Diethyl Ether
Concen: 18.310 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW008546.D
Acq: 07 Feb 2019 12:22

Tgt Ion: 74 Resp: 49189
Ion Ratio Lower Upper
74 100
45 102.7 51.7 155.2

