

Data File : VW008545.D
Acq On : 07 Feb 2019 11:56
Operator : SY/VA
Sample : VW0207SBS01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0207SBS01

Quant Time: Feb 08 22:30:12 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	544038	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	811275	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	712912	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	368273	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	246928	46.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.40%	
35) Dibromofluoromethane	7.88	113	248846	52.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.92%	
50) Toluene-d8	10.32	98	947633	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
62) 4-Bromofluorobenzene	12.62	95	344471	47.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.22%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	46335	17.032	ug/l	97
3) Chloromethane	2.21	50	69234	15.590	ug/l	94
4) Vinyl Chloride	2.36	62	95110	16.824	ug/l	92
5) Bromomethane	2.78	94	78641	21.568	ug/l	94
6) Chloroethane	2.92	64	74388	21.516	ug/l	100
7) Trichlorofluoromethane	3.25	101	74599	18.463	ug/l	95
8) Diethyl Ether	3.67	74	48371	17.829	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	93120	18.925	ug/l	99
10) Methyl Iodide	4.26	142	146499	18.849	ug/l	99
11) Tert butyl alcohol	5.17	59	34756	80.770	ug/l #	82
12) 1,1-Dichloroethene	4.03	96	91686	18.412	ug/l	95
13) Acrolein	3.89	56	30992	84.451	ug/l	95
14) Allyl chloride	4.66	41	153252	16.207	ug/l	98
15) Acrylonitrile	5.36	53	96305	82.204	ug/l	98
16) Acetone	4.11	43	96139	80.101	ug/l	98
17) Carbon Disulfide	4.37	76	268584	16.888	ug/l	99
18) Methyl Acetate	4.66	43	51736	16.161	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	143732	17.445	ug/l	97
20) Methylene Chloride	4.90	84	120766	21.831	ug/l	97
21) trans-1,2-Dichloroethene	5.41	96	102021	18.223	ug/l	92
22) Diisopropyl ether	6.31	45	289850	16.174	ug/l	96
23) Vinyl Acetate	6.25	43	839008	79.286	ug/l	98
24) 1,1-Dichloroethane	6.21	63	175750	17.325	ug/l	99
25) 2-Butanone	7.17	43	135003	80.981	ug/l	93
26) 2,2-Dichloropropane	7.16	77	123983	18.082	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	110436	18.100	ug/l	96
28) Bromochloromethane	7.50	49	83349	17.889	ug/l	94
29) Tetrahydrofuran	7.53	42	84028	79.539	ug/l	94
30) Chloroform	7.67	83	179169	17.957	ug/l	98
31) Cyclohexane	7.95	56	177693	16.941	ug/l #	94
32) 1,1,1-Trichloroethane	7.87	97	159367	18.492	ug/l	99
36) 1,1-Dichloropropene	8.07	75	147146	19.201	ug/l	99
37) Ethyl Acetate	7.25	43	58640	17.295	ug/l #	95
38) Carbon Tetrachloride	8.06	117	152824	19.817	ug/l	98

Data File : VW008545.D
Acq On : 07 Feb 2019 11:56
Operator : SY/VA
Sample : VW0207SBS01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0207SBS01

Quant Time: Feb 08 22:30:12 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)
39) Methylcyclohexane	9.33	83	187127	18.588	ug/l	99
40) Benzene	8.32	78	395056	18.578	ug/l	99
41) Methacrylonitrile	7.48	41	36384	18.123	ug/l	97
42) 1,2-Dichloroethane	8.40	62	111503	18.094	ug/l	98
43) Isopropyl Acetate	8.43	43	118910	16.881	ug/l	96
44) Trichloroethene	9.09	130	113680	19.659	ug/l	97
45) 1,2-Dichloropropane	9.37	63	97532	18.395	ug/l	97
46) Dibromomethane	9.46	93	50278	18.436	ug/l	97
47) Bromodichloromethane	9.64	83	130607	18.107	ug/l	100
48) Methyl methacrylate	9.43	41	55025	15.976	ug/l	98
49) 1,4-Dioxane	9.44	88	16543	358.879	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	290820	83.572	ug/l	99
52) Toluene	10.38	92	253935	18.090	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	131187	17.092	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	152535	17.512	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	70384	18.607	ug/l	92
56) Ethyl methacrylate	10.65	69	85341	16.101	ug/l	98
57) 1,3-Dichloropropane	10.93	76	122269	18.043	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	231856	90.032	ug/l	96
59) 2-Hexanone	10.97	43	203263	82.740	ug/l	99
60) Dibromochloromethane	11.13	129	87659	18.033	ug/l	98
61) 1,2-Dibromoethane	11.24	107	69514	18.534	ug/l	98
64) Tetrachloroethene	10.86	164	97372	20.173	ug/l	97
65) Chlorobenzene	11.66	112	282392	19.404	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	98975	19.009	ug/l	98
67) Ethyl Benzene	11.73	91	506453	18.932	ug/l	99
68) m/p-Xylenes	11.84	106	392818	37.847	ug/l	97
69) o-Xylene	12.16	106	183142	18.571	ug/l	97
70) Styrene	12.18	104	291948	17.922	ug/l	98
71) Bromoform	12.35	173	49854	17.018	ug/l	100
73) Isopropylbenzene	12.46	105	514651	18.745	ug/l	100
74) N-amyl acetate	12.27	43	112924	15.966	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	78324	18.019	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	108620	33.924	ug/l #	1
77) Bromobenzene	12.75	156	116602	19.447	ug/l	92
78) n-propylbenzene	12.80	91	613321	18.599	ug/l	98
79) 2-Chlorotoluene	12.90	91	338845	18.210	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	425590	18.546	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	25521	15.743	ug/l	97
82) 4-Chlorotoluene	12.99	91	354891	17.913	ug/l	97
83) tert-Butylbenzene	13.21	119	394663	19.326	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	432175	18.528	ug/l	100
85) sec-Butylbenzene	13.38	105	549625	18.846	ug/l	100
86) p-Isopropyltoluene	13.50	119	486121	19.029	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	233543	19.286	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	231243	19.215	ug/l	99
89) n-Butylbenzene	13.83	91	461821	18.412	ug/l	99
90) Hexachloroethane	14.10	117	91626	18.340	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	202215	18.873	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	13477	16.341	ug/l	99

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

Data File : VW008545.D
Acq On : 07 Feb 2019 11:56
Operator : SY/VA
Sample : VW0207SBS01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0207SBS01

Quant Time: Feb 08 22:30:12 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)
93) 1,2,4-Trichlorobenzene	15.14	180	156184	20.427	ug/l	98
94) Hexachlorobutadiene	15.24	225	93961	20.391	ug/l	98
95) Naphthalene	15.37	128	253740	18.900	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	128692	19.841	ug/l	100

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

Data File : VW008545.D

Acq On : 07 Feb 2019 11:56

Operator : SY/VA

Sample : VW0207SBS01

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

ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0207SBS01

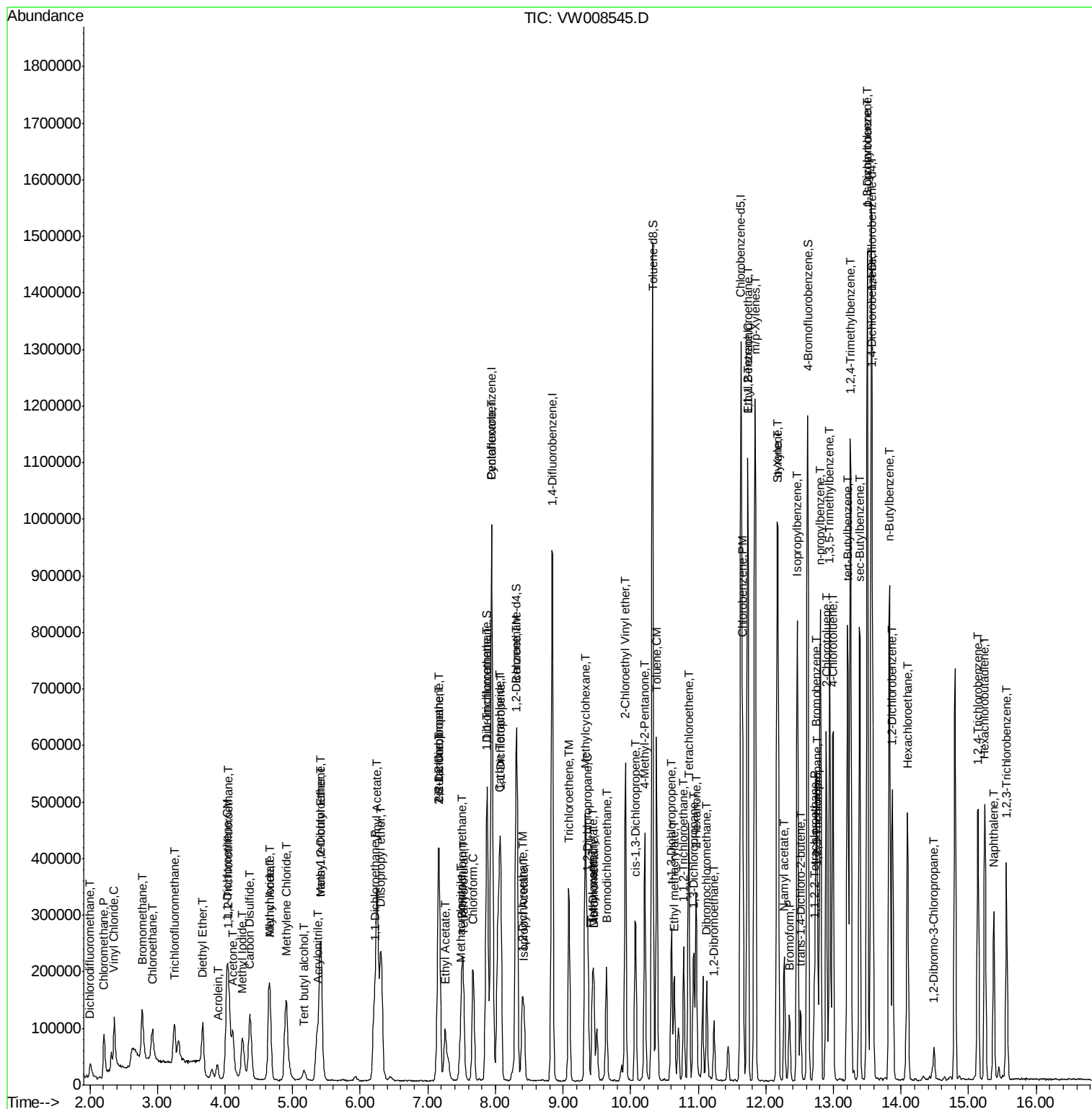
Quant Time: Feb 08 22:30:12 2019

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008545.D

Acq: 07 Feb 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

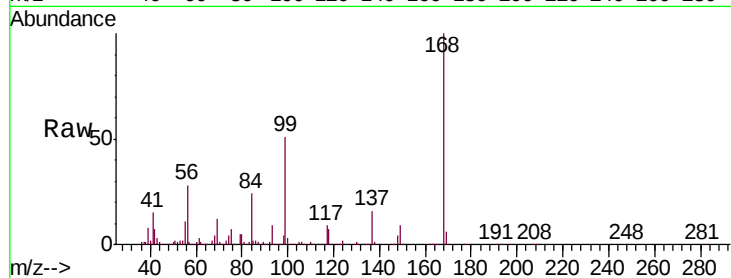
VW0207SBS01

Tgt Ion:168 Resp: 544038

Ion Ratio Lower Upper

168 100

99 50.5 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

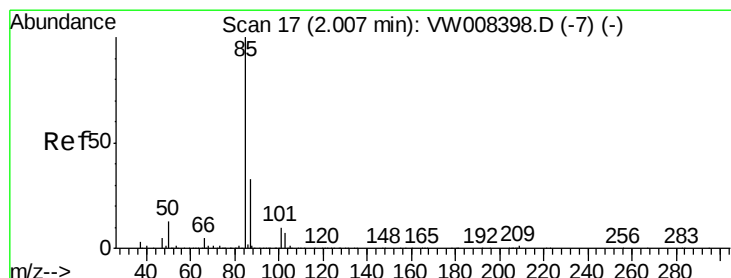
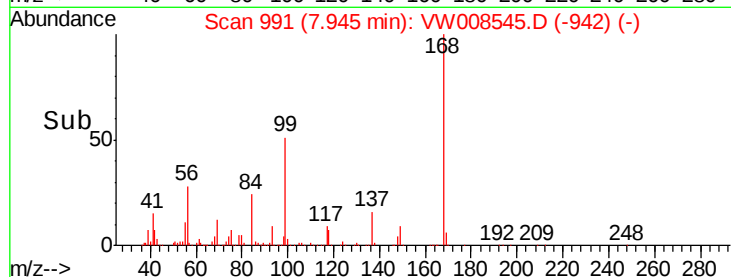
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 17.032 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW008545.D

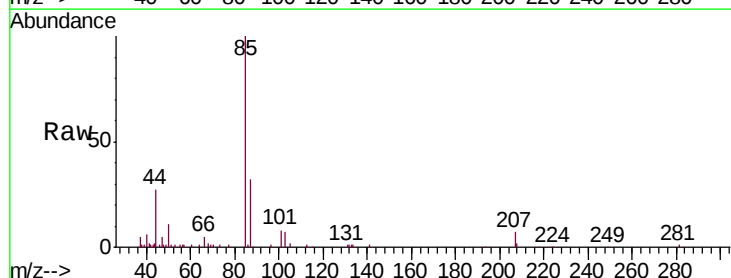
Acq: 07 Feb 2019 11:56

Tgt Ion: 85 Resp: 46335

Ion Ratio Lower Upper

85 100

87 31.9 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

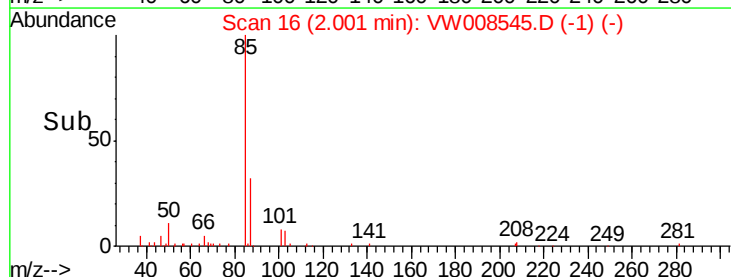
15000

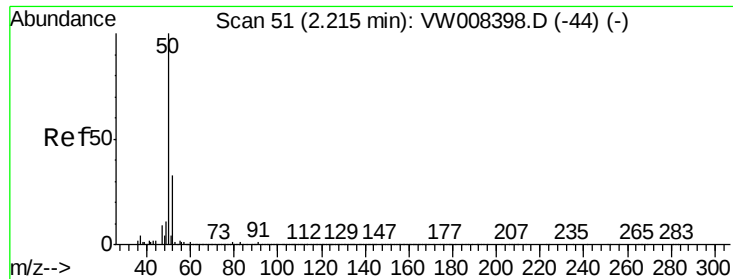
10000

5000

0

Time--> 1.90 2.00 2.10

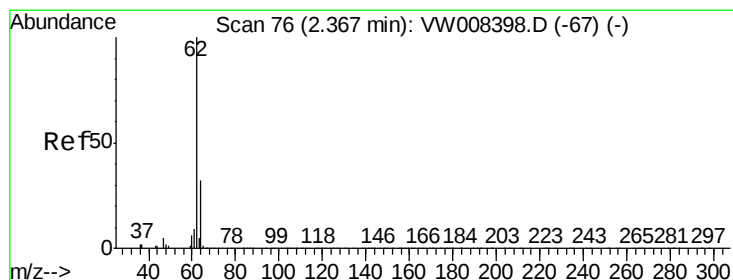
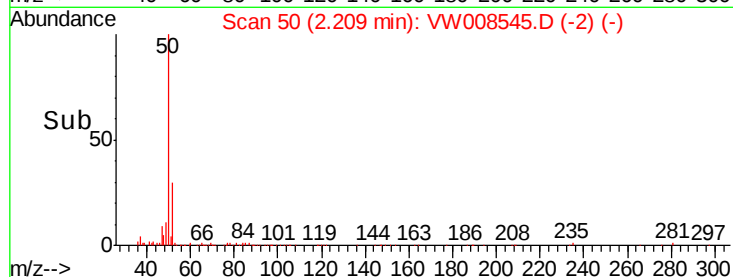
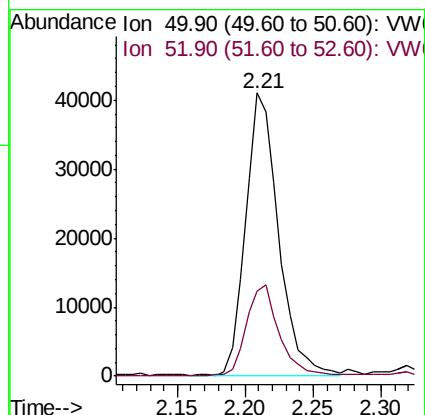
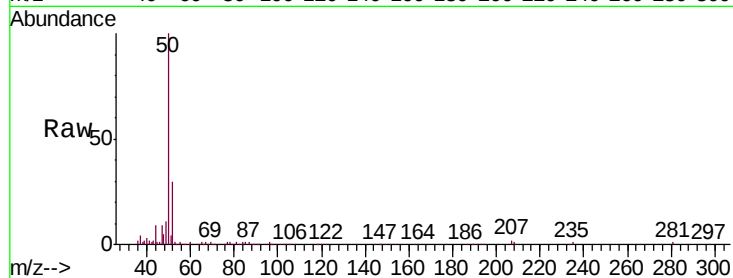




#3
Chloromethane
Concen: 15.590 ug/l
RT: 2.21 min Scan# 50
Delta R.T. -0.01 min
Lab File: VW008545.D
Acq: 07 Feb 2019 11:56

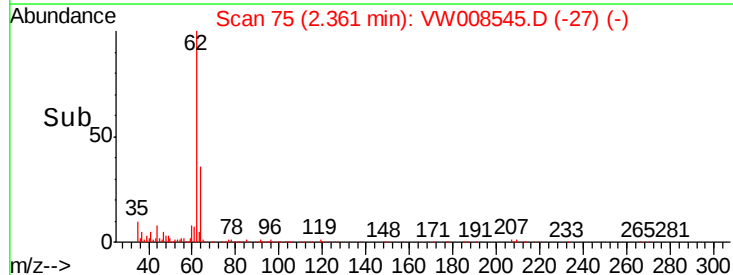
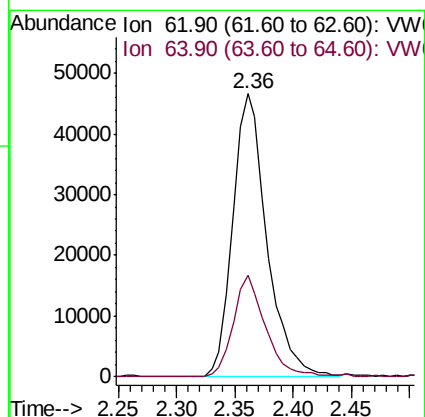
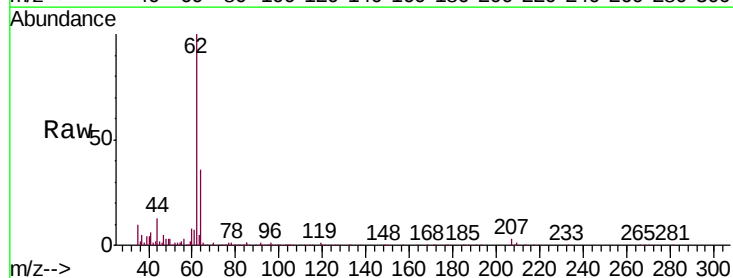
Instrument :
MSVOA_W
ClientSampleId :
VW0207SBS01

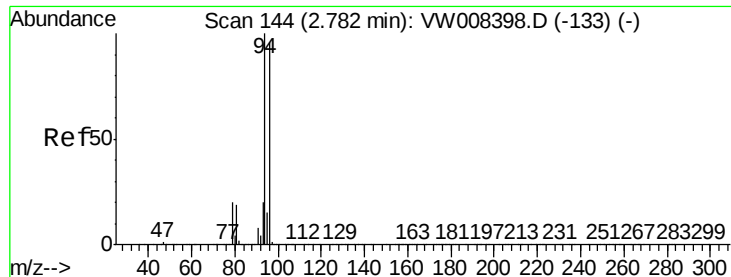
Tgt Ion: 50 Resp: 69234
Ion Ratio Lower Upper
50 100
52 29.7 26.3 39.5



#4
Vinyl Chloride
Concen: 16.824 ug/l
RT: 2.36 min Scan# 75
Delta R.T. -0.01 min
Lab File: VW008545.D
Acq: 07 Feb 2019 11:56

Tgt Ion: 62 Resp: 95110
Ion Ratio Lower Upper
62 100
64 36.1 25.5 38.3





#5

Bromomethane

Concen: 21.568 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW008545.D

Acq: 07 Feb 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

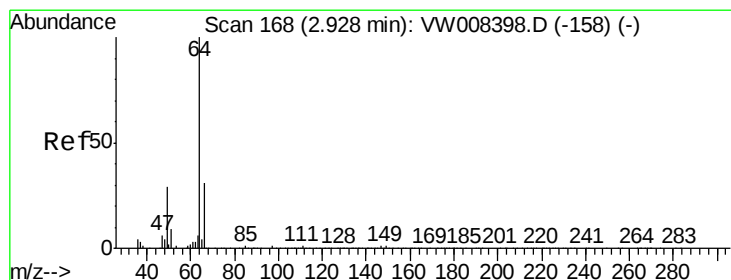
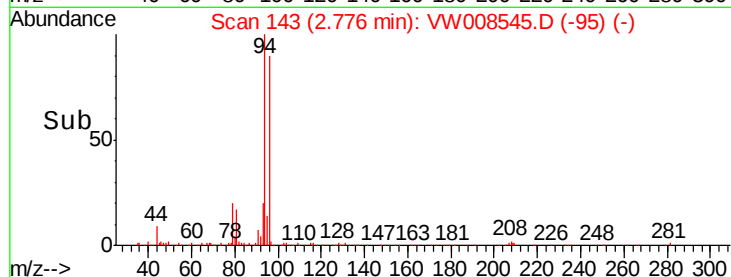
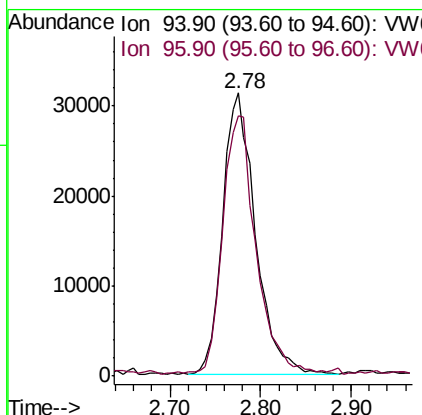
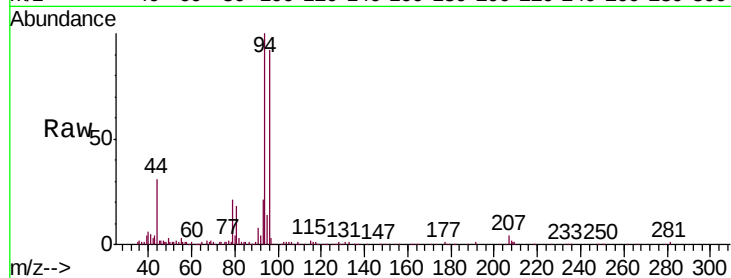
VW0207SBS01

Tgt Ion: 94 Resp: 78641

Ion Ratio Lower Upper

94 100

96 90.7 77.2 115.8



#6

Chloroethane

Concen: 21.516 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008545.D

Acq: 07 Feb 2019 11:56

Tgt Ion: 64 Resp: 74388

Ion Ratio Lower Upper

64 100

66 31.2 24.9 37.3

