

Data File : VW009239.D
Acq On : 19 Mar 2019 13:53
Operator : SY/VA
Sample : VSTDICV050
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVW031918

Quant Time: Mar 20 07:27:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 20 07:22:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	316698	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	478440	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	426685	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	230940	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	160515	47.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.30%	
35) Dibromofluoromethane	7.88	113	147384	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	
50) Toluene-d8	10.32	98	565187	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
62) 4-Bromofluorobenzene	12.62	95	205268	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	103239	56.040	ug/l	98
3) Chloromethane	2.21	50	131913	57.460	ug/l	94
4) Vinyl Chloride	2.37	62	189446	56.224	ug/l	100
5) Bromomethane	2.78	94	137179	49.923	ug/l	99
6) Chloroethane	2.93	64	142186	54.390	ug/l	98
7) Trichlorofluoromethane	3.26	101	130955	59.328	ug/l	98
8) Diethyl Ether	3.67	74	78453	49.284	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	167346	52.338	ug/l	99
10) Methyl Iodide	4.27	142	232538	50.450	ug/l	97
11) Tert butyl alcohol	5.17	59	45916	234.783	ug/l	97
12) 1,1-Dichloroethene	4.03	96	156351	51.730	ug/l	99
13) Acrolein	3.89	56	34515	216.219	ug/l	94
14) Allyl chloride	4.66	41	251122	56.358	ug/l	97
15) Acrylonitrile	5.36	53	160901	240.509	ug/l	98
16) Acetone	4.12	43	194223	281.023	ug/l	95
17) Carbon Disulfide	4.37	76	438822	52.080	ug/l	98
18) Methyl Acetate	4.67	43	81923	46.186	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	190406	51.329	ug/l	97
20) Methylene Chloride	4.91	84	152429	52.909	ug/l	94
21) trans-1,2-Dichloroethene	5.41	96	162522	52.264	ug/l	97
22) Diisopropyl ether	6.31	45	504111	52.479	ug/l	97
23) Vinyl Acetate	6.25	43	1533097	254.365	ug/l	100
24) 1,1-Dichloroethane	6.21	63	306067	51.627	ug/l	98
25) 2-Butanone	7.17	43	238922	241.260	ug/l	96
26) 2,2-Dichloropropane	7.16	77	184464	55.688	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	176393	52.360	ug/l	98
28) Bromochloromethane	7.51	49	120275	46.254	ug/l	97
29) Tetrahydrofuran	7.52	42	147528	234.371	ug/l	99
30) Chloroform	7.67	83	312897	50.726	ug/l	98
31) Cyclohexane	7.95	56	285109	51.585	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	262166	53.246	ug/l	99
36) 1,1-Dichloropropene	8.08	75	252228	52.978	ug/l	99
37) Ethyl Acetate	7.25	43	102837	47.336	ug/l	99
38) Carbon Tetrachloride	8.06	117	265017	52.599	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	306565	55.656	ug/l	97
40) Benzene	8.32	78	672618	52.098	ug/l	100
41) Methacrylonitrile	7.48	41	63837	54.520	ug/l	90
42) 1,2-Dichloroethane	8.40	62	207577	49.185	ug/l	99
43) Isopropyl Acetate	8.42	43	203547	46.790	ug/l	98
44) Trichloroethene	9.09	130	180430	51.015	ug/l	98
45) 1,2-Dichloropropane	9.37	63	165181	50.329	ug/l	97
46) Dibromomethane	9.45	93	85924	47.609	ug/l	98
47) Bromodichloromethane	9.64	83	230212	50.478	ug/l	97
48) Methyl methacrylate	9.43	41	97378	48.349	ug/l	95
49) 1,4-Dioxane	9.44	88	27308	975.520	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	521701	230.112	ug/l	99
52) Toluene	10.38	92	432359	52.852	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	227834	51.229	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	258746	51.714	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	115661	47.328	ug/l	98
56) Ethyl methacrylate	10.65	69	143598	49.347	ug/l	96
57) 1,3-Dichloropropane	10.93	76	205698	48.801	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	75189	88.307	ug/l	99
59) 2-Hexanone	10.97	43	377072	244.984	ug/l	100
60) Dibromochloromethane	11.13	129	146837	48.633	ug/l	99
61) 1,2-Dibromoethane	11.23	107	111722	47.999	ug/l	100
64) Tetrachloroethene	10.86	164	154206	52.772	ug/l	96
65) Chlorobenzene	11.66	112	460487	52.184	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	171443	52.014	ug/l	100
67) Ethyl Benzene	11.73	91	859341	56.224	ug/l	100
68) m/p-Xylenes	11.84	106	658165	111.097	ug/l	100
69) o-Xylene	12.16	106	306287	55.675	ug/l	100
70) Styrene	12.18	104	504871	55.661	ug/l	99
71) Bromoform	12.35	173	88913	49.386	ug/l #	98
73) Isopropylbenzene	12.46	105	891488	57.755	ug/l	99
74) N-amyl acetate	12.27	43	201452	50.033	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	137639	47.669	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	195316	89.999	ug/l #	100
77) Bromobenzene	12.75	156	192516	52.654	ug/l	99
78) n-propylbenzene	12.80	91	1096027	57.814	ug/l	99
79) 2-Chlorotoluene	12.89	91	602315	55.928	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	754803	57.501	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	44986	50.863	ug/l	96
82) 4-Chlorotoluene	12.99	91	634108	55.891	ug/l	100
83) tert-Butylbenzene	13.21	119	655734	58.455	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	770943	57.287	ug/l	99
85) sec-Butylbenzene	13.38	105	963676	58.135	ug/l	99
86) p-Isopropyltoluene	13.50	119	859525	58.229	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	402404	53.185	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	396181	52.589	ug/l	100
89) n-Butylbenzene	13.82	91	842403	59.452	ug/l	99
90) Hexachloroethane	14.10	117	162005	55.665	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	355539	52.404	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	24725	47.823	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW031919\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	251573	55.212	ug/l	99
94) Hexachlorobutadiene	15.24	225	156124	53.873	ug/l	98
95) Naphthalene	15.37	128	425975	53.958	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	216289	53.178	ug/l	99

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

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Instrument :
MSVOA_W
ClientSampleId :
ICVW031918

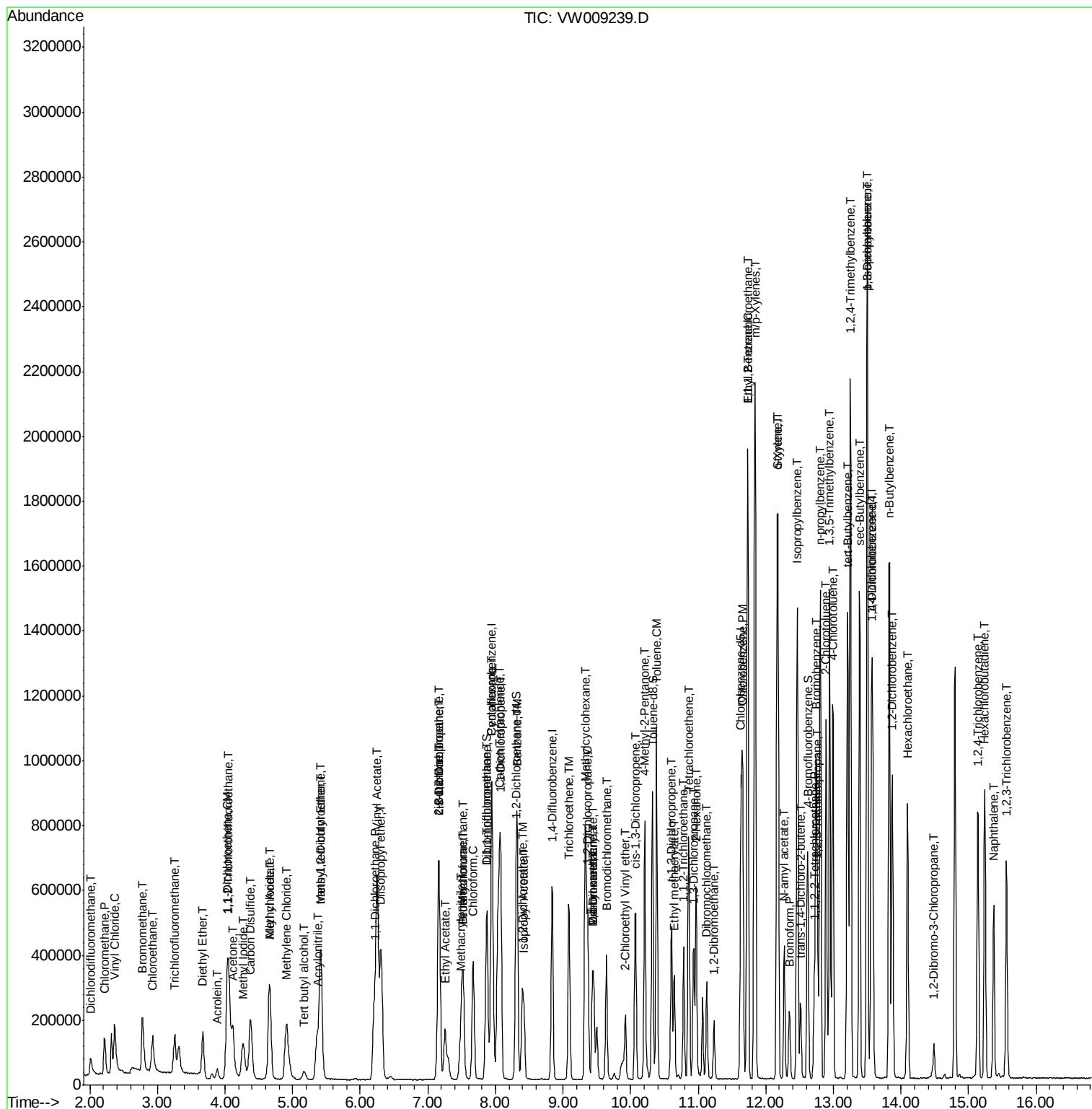
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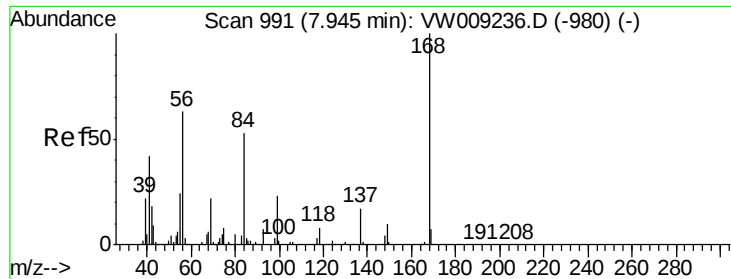
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_W\METHOD\82W031919S.M

Quant Title : SW846 8260

QLast Update : Wed Mar 20 07:22:50 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: VW009239.D

Acq: 19 Mar 2019 13:53

Instrument :

MSVOA_W

ClientSampleId :

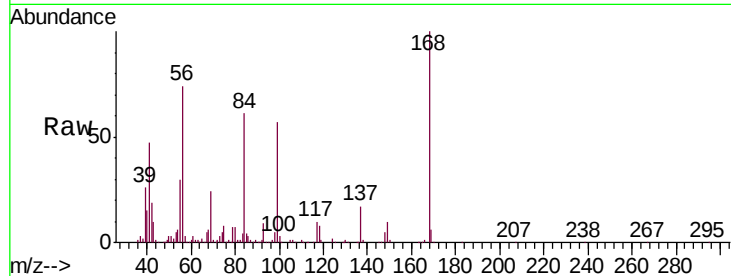
ICVW031918

Tgt Ion:168 Resp: 316698

Ion Ratio Lower Upper

168 100

99 56.9 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

100000

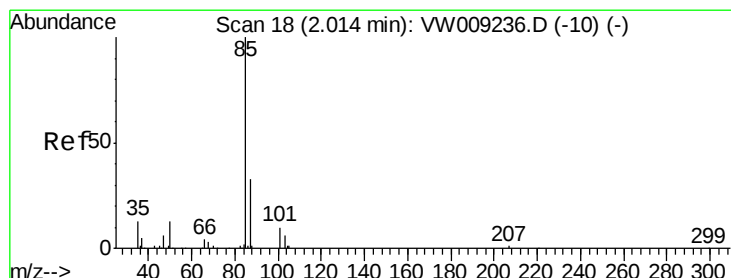
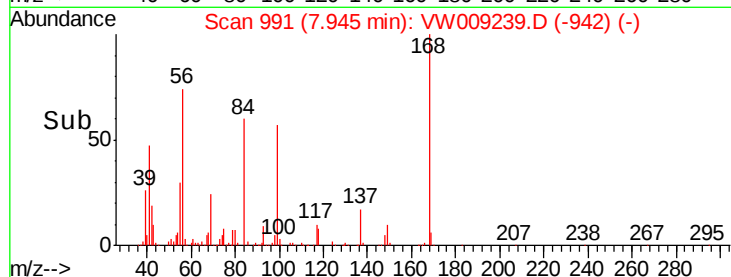
50000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 56.040 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW009239.D

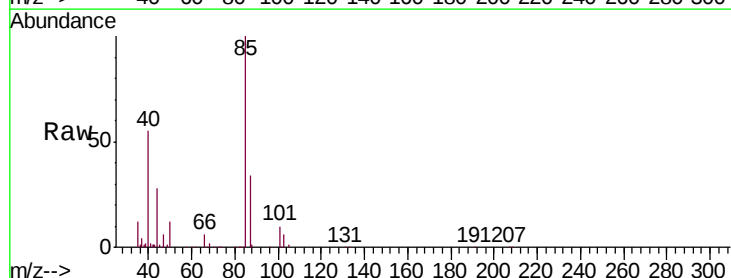
Acq: 19 Mar 2019 13:53

Tgt Ion: 85 Resp: 103239

Ion Ratio Lower Upper

85 100

87 34.3 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

30000

25000

20000

15000

10000

5000

0

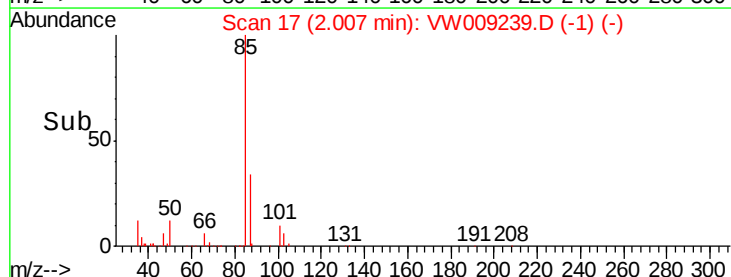
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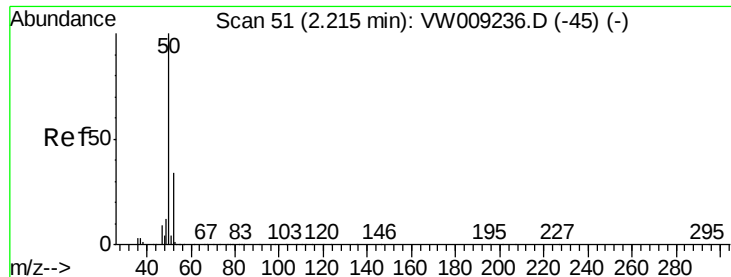
2.00

2.10

2.20

Time-->





#3

Chloromethane

Concen: 57.460 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW009239.D

Acq: 19 Mar 2019 13:53

Instrument :

MSVOA_W

ClientSampleId :

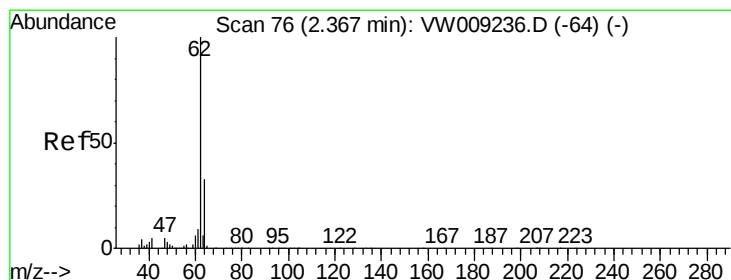
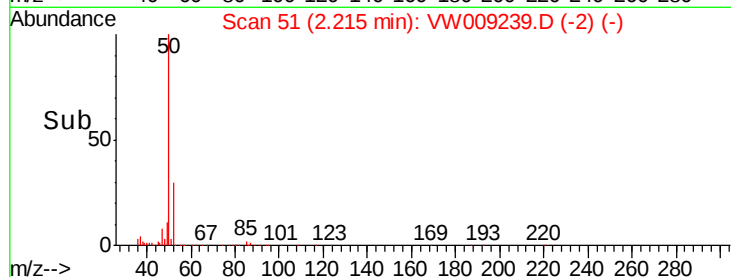
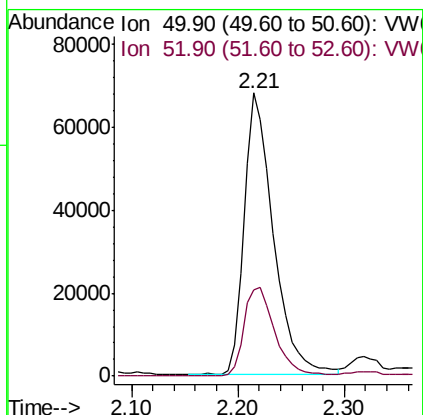
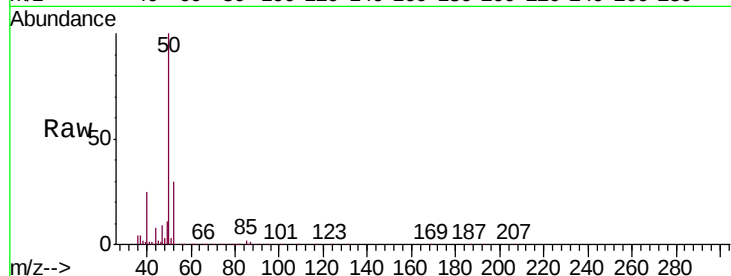
ICVW031918

Tgt Ion: 50 Resp: 131913

Ion Ratio Lower Upper

50 100

52 30.5 27.2 40.8



#4

Vinyl Chloride

Concen: 56.224 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW009239.D

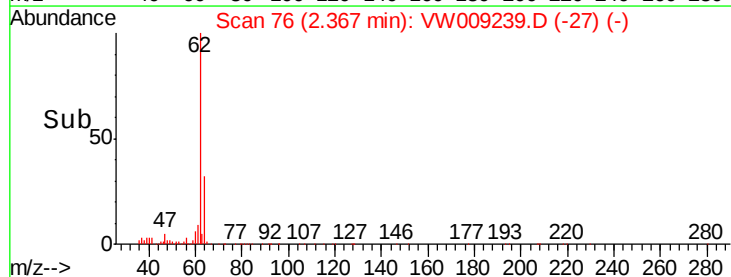
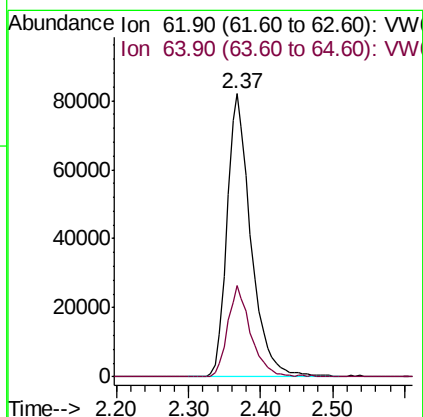
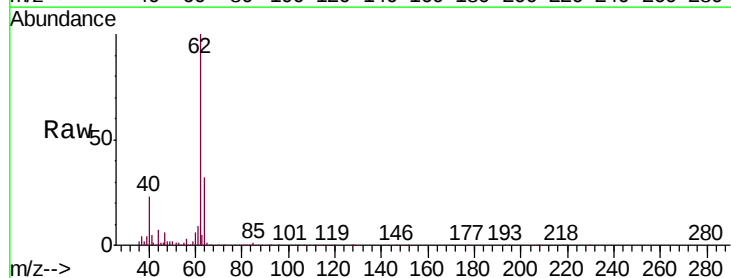
Acq: 19 Mar 2019 13:53

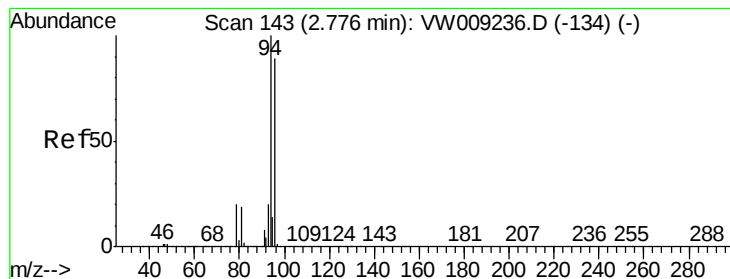
Tgt Ion: 62 Resp: 189446

Ion Ratio Lower Upper

62 100

64 32.4 26.2 39.2





#5

Bromomethane

Concen: 49.923 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW009239.D

Acq: 19 Mar 2019 13:53

Instrument :

MSVOA_W

ClientSampleId :

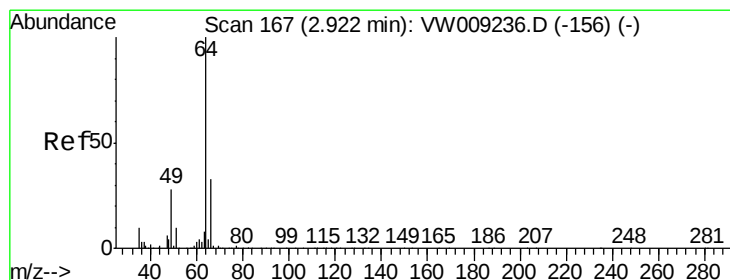
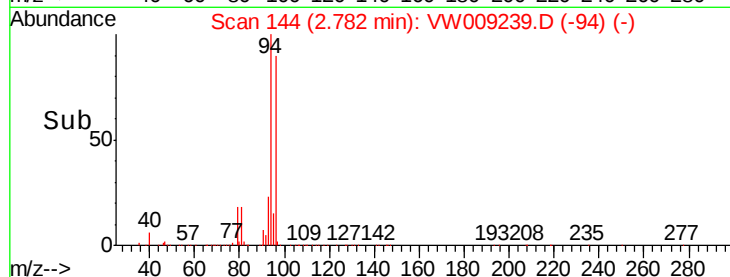
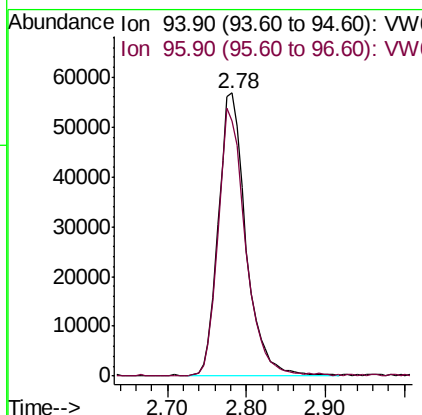
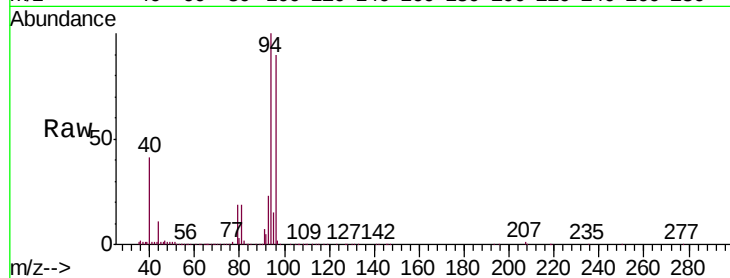
ICVW031918

Tgt Ion: 94 Resp: 137179

Ion Ratio Lower Upper

94 100

96 90.0 71.4 107.2



#6

Chloroethane

Concen: 54.390 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW009239.D

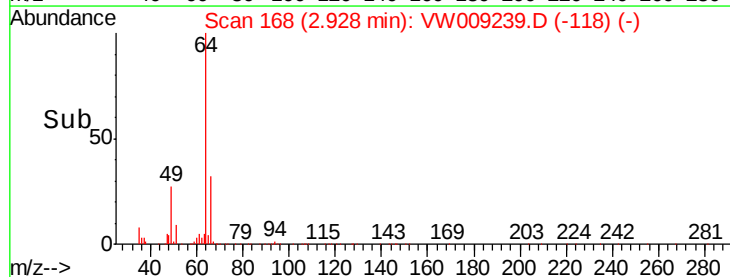
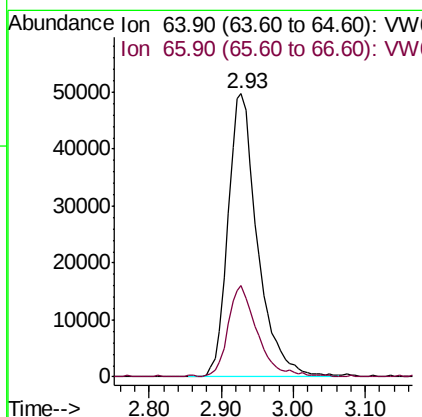
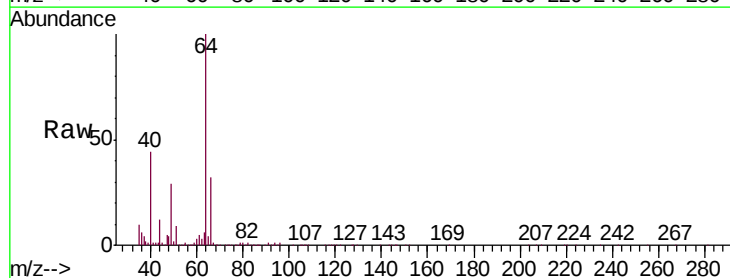
Acq: 19 Mar 2019 13:53

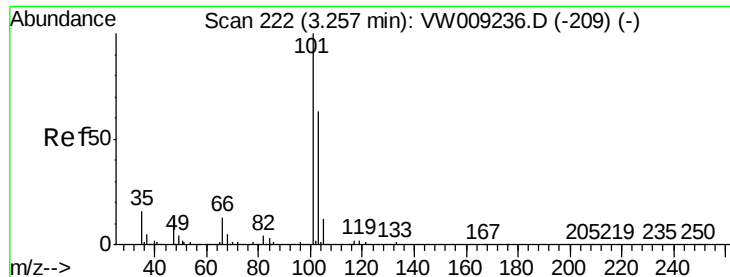
Tgt Ion: 64 Resp: 142186

Ion Ratio Lower Upper

64 100

66 31.8 26.2 39.2



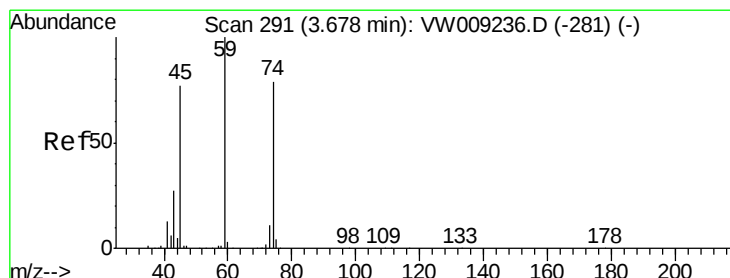
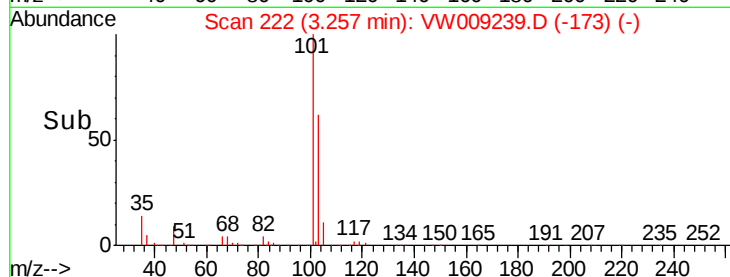
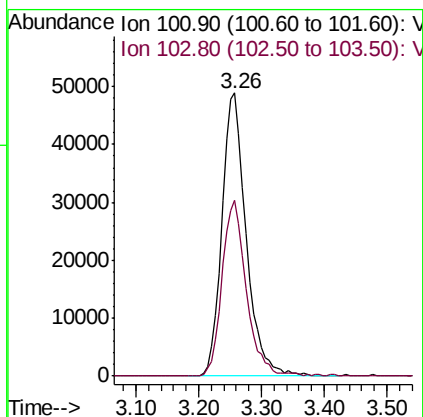
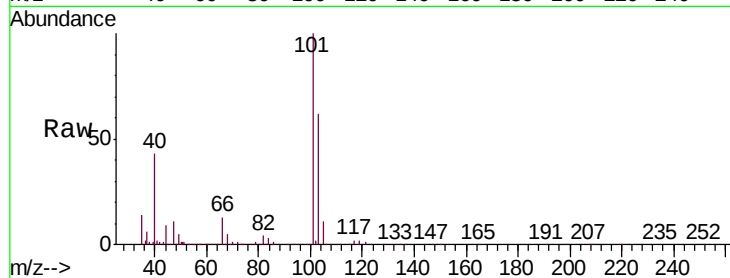


#7

Trichlorofluoromethane
 Concen: 59.328 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW009239.D
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 ICVVW031918

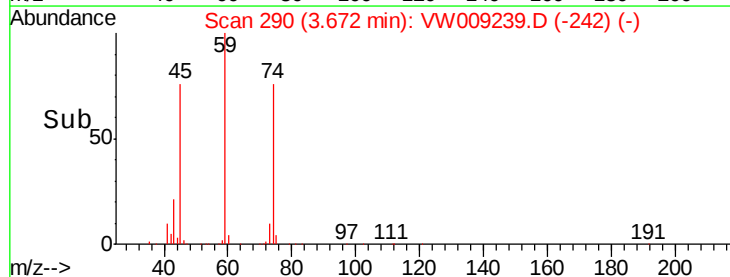
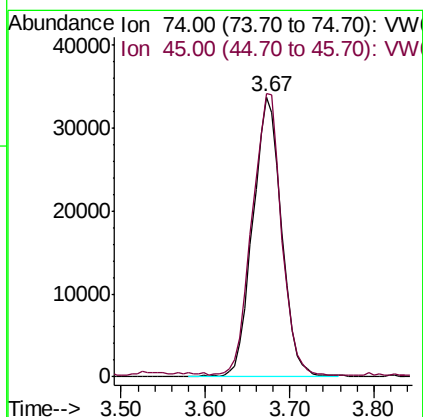
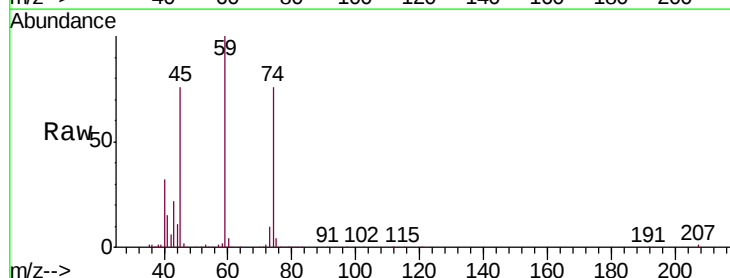
Tgt Ion:101 Resp: 130955
 Ion Ratio Lower Upper
 101 100
 103 61.8 50.5 75.7

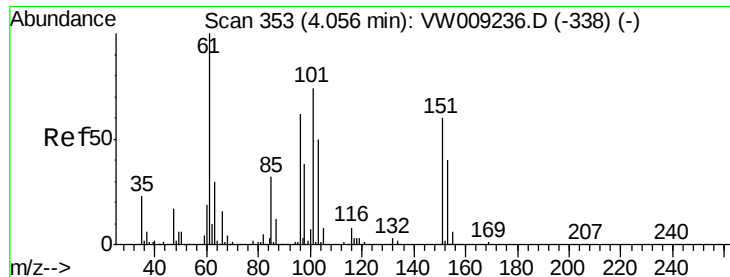


#8

Diethyl Ether
 Concen: 49.284 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW009239.D
 Acq: 19 Mar 2019 13:53

Tgt Ion: 74 Resp: 78453
 Ion Ratio Lower Upper
 74 100
 45 102.6 50.6 151.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.338 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW009239.D

Acq: 19 Mar 2019 13:53

Instrument :

MSVOA_W

ClientSampleId :

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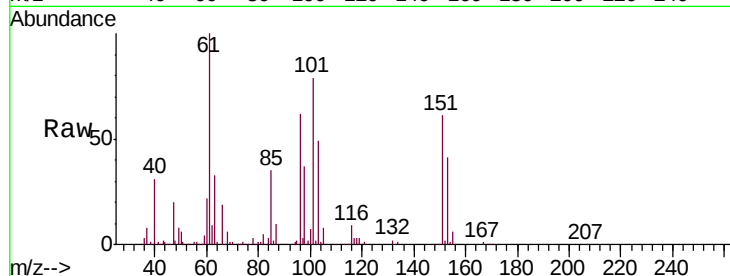
Tgt Ion:101 Resp: 167346

Ion Ratio Lower Upper

101 100

85 46.2 35.1 52.7

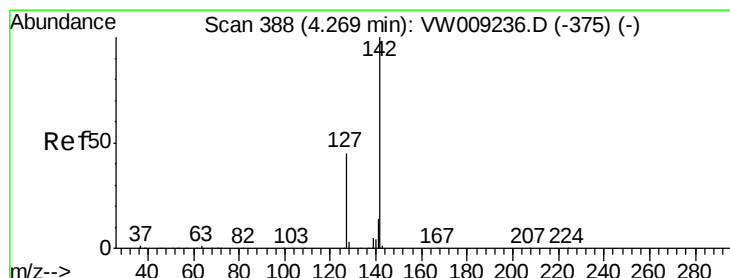
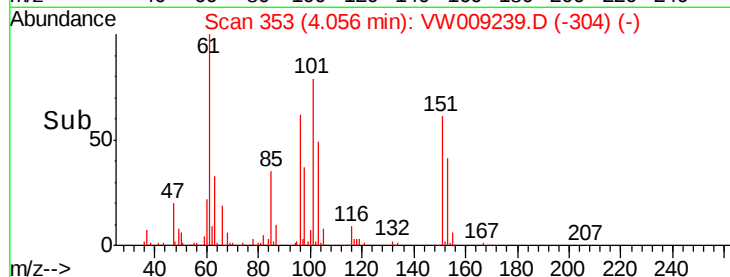
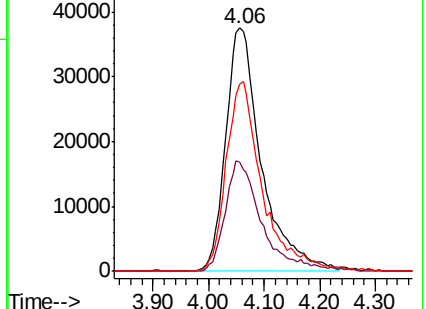
151 78.4 62.9 94.3



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: 50.450 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW009239.D

Acq: 19 Mar 2019 13:53

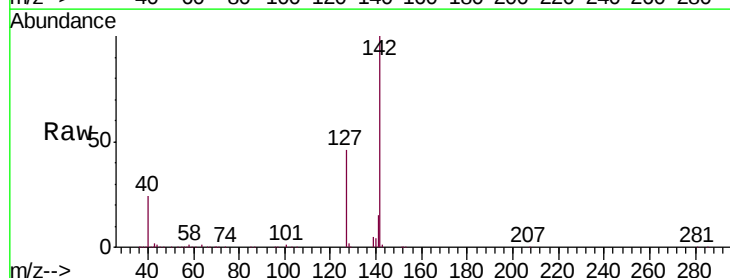
Tgt Ion:142 Resp: 232538

Ion Ratio Lower Upper

142 100

127 46.9 35.9 53.9

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

