

Data File : VD058201.D
Acq On : 19 Jun 2018 18:41
Operator : VA/AP
Sample : VSTDICC150
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Quant Time: Jun 20 05:04:45 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:00:55 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	876090	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	1162427	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	964410	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	463677	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.02	65	1456476	162.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	325.64%	
35) Dibromofluoromethane	5.54	113	1469044	159.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	318.52%	
50) Toluene-d8	8.71	98	3375066	152.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	305.16%	
62) 4-Bromofluorobenzene	11.93	95	1311318	138.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	277.12%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.33	85	1305190	115.749	ug/l	94
3) Chloromethane	1.49	50	614098	110.385	ug/l	100
4) Vinyl Chloride	1.55	62	728454	134.042	ug/l	100
5) Bromomethane	1.77	94	163947	79.709	ug/l	100
6) Chloroethane	1.86	64	137683	65.852	ug/l	100
7) Trichlorofluoromethane	2.06	101	810836	110.239	ug/l	96
8) Diethyl Ether	2.34	74	221472	158.059	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.53	101	576274	129.995	ug/l	96
10) Methyl Iodide	2.68	142	815090	143.435	ug/l	95
11) Tert butyl alcohol	3.29	59	218552	908.639	ug/l #	94
12) 1,1-Dichloroethene	2.53	96	447727	131.401	ug/l	90
13) Acrolein	2.46	56	98903	327.819	ug/l	94
14) Allyl chloride	2.91	41	1142231	143.496	ug/l	95
15) Acrylonitrile	3.36	53	618451	481.396	ug/l	95
16) Acetone	2.61	43	841013	665.692	ug/l	94
17) Carbon Disulfide	2.74	76	1639084	134.202	ug/l	99
18) Methyl Acetate	2.94	43	399905	159.733	ug/l	98
19) Methyl tert-butyl Ether	3.40	73	1354489	95.191	ug/l	99
20) Methylene Chloride	3.05	84	490429	115.680	ug/l	98
21) trans-1,2-Dichloroethene	3.37	96	505721	72.029	ug/l	89
22) Diisopropyl ether	4.07	45	3931359	125.865	ug/l	95
23) Vinyl Acetate	4.02	43	10936597	671.440	ug/l	100
24) 1,1-Dichloroethane	3.96	63	2218272	129.035	ug/l	98
25) 2-Butanone	4.85	43	1988829	701.492	ug/l	99
26) 2,2-Dichloropropane	4.79	77	1780460	125.989	ug/l	99
27) cis-1,2-Dichloroethene	4.80	96	1145217	126.208	ug/l	100
28) Bromochloromethane	5.14	49	1014969	135.030	ug/l	98
29) Tetrahydrofuran	5.19	42	1049106	696.935	ug/l	99
30) Chloroform	5.32	83	2357765	135.502	ug/l	98
31) Cyclohexane	5.58	56	1535955	103.448	ug/l	96
32) 1,1,1-Trichloroethane	5.51	97	2013000	138.174	ug/l	99
36) 1,1-Dichloropropene	5.74	75	1468266	116.976	ug/l	98
37) Ethyl Acetate	4.92	43	963979	137.511	ug/l	100
38) Carbon Tetrachloride	5.72	117	1727552	139.174	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	1511410	122.394	ug/l	99
40) Benzene	6.01	78	3316371	113.045	ug/l	98
41) Methacrylonitrile	5.12	41	461079	145.055	ug/l	98
42) 1,2-Dichloroethane	6.13	62	1674383	140.735	ug/l	99
43) Isopropyl Acetate	7.62	43	1375511	149.881	ug/l	100
44) Trichloroethene	6.98	130	1176217	137.207	ug/l	99
45) 1,2-Dichloropropane	7.35	63	1041627	127.784	ug/l	99
46) Dibromomethane	7.46	93	759337	142.891	ug/l	96
47) Bromodichloromethane	7.74	83	1760337	143.706	ug/l	98
48) Methyl methacrylate	7.50	41	788828	140.249	ug/l	98
49) 1,4-Dioxane	7.49	88	154071	3201.677	ug/l #	88
51) 4-Methyl-2-Pentanone	8.61	43	3933693	667.565	ug/l	98
52) Toluene	8.80	92	2031849	120.569	ug/l	99
53) t-1,3-Dichloropropene	9.19	75	1529728	143.490	ug/l	99
54) cis-1,3-Dichloropropene	8.37	75	1712388	136.722	ug/l	94
55) 1,1,2-Trichloroethane	9.46	97	811323	145.993	ug/l	95
56) Ethyl methacrylate	9.32	69	971045	142.246	ug/l	96
57) 1,3-Dichloropropane	9.67	76	1292167	134.086	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.19	63	2120265	612.442	ug/l	93
59) 2-Hexanone	9.80	43	2924776	680.734	ug/l	99
60) Dibromochloromethane	9.96	129	1231725	158.124	ug/l	99
61) 1,2-Dibromoethane	10.10	107	929362	145.719	ug/l	99
64) Tetrachloroethene	9.51	164	1137369	133.597	ug/l	97
65) Chlorobenzene	10.72	112	2396847	125.080	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.85	131	966626	131.057	ug/l	95
67) Ethyl Benzene	10.86	91	3715827	107.842	ug/l	98
68) m/p-Xylenes	11.02	106	2591573	229.393	ug/l	90
69) o-Xylene	11.41	106	1248540	112.527	ug/l	98
70) Styrene	11.44	104	2184800	118.243	ug/l	98
71) Bromoform	11.60	173	921569	162.917	ug/l #	96
73) Isopropylbenzene	11.78	105	3694765	122.725	ug/l	99
74) N-amyl acetate	11.65	43	1586692	134.501	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.08	83	919752	136.743	ug/l	98
76) 1,2,3-Trichloropropane	12.12	75	917990	131.149	ug/l	100
77) Bromobenzene	12.04	156	1228978	137.456	ug/l	87
78) n-propylbenzene	12.16	91	4446885	112.906	ug/l	97
79) 2-Chlorotoluene	12.22	91	2753676	122.717	ug/l	96
80) 1,3,5-Trimethylbenzene	12.33	105	2686273	113.371	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.85	75	276086	160.152	ug/l	98
82) 4-Chlorotoluene	12.33	91	2695231	108.848	ug/l	98
83) tert-Butylbenzene	12.58	119	3437985	128.995	ug/l	94
84) 1,2,4-Trimethylbenzene	12.63	105	3181529	125.705	ug/l	99
85) sec-Butylbenzene	12.76	105	3933118	122.151	ug/l	98
86) p-Isopropyltoluene	12.89	119	3373885	130.880	ug/l	96
87) 1,3-Dichlorobenzene	12.85	146	1964412	129.184	ug/l	98
88) 1,4-Dichlorobenzene	12.93	146	1943144	130.441	ug/l	93
89) n-Butylbenzene	13.20	91	2898552	108.036	ug/l	97
90) Hexachloroethane	13.40	117	938420	141.801	ug/l	77
91) 1,2-Dichlorobenzene	13.19	146	1514534	121.169	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.77	75	174402	167.691	ug/l	73

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD061918\
Quantitation Report (Not Reviewed)

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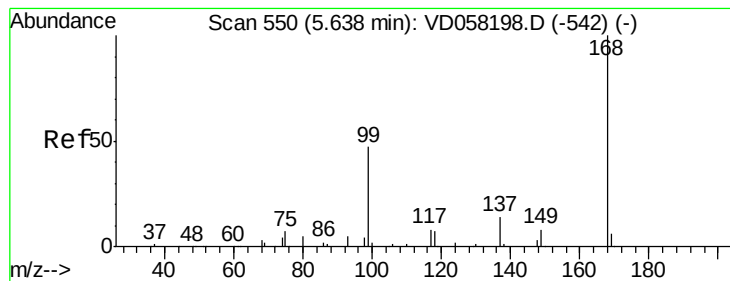
Quant Time: Jun 20 05:04:45 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.35	180	1711712	146.895	ug/l	97
94) Hexachlorobutadiene	14.43	225	1277590	140.628	ug/l	97
95) Naphthalene	14.52	128	2187845	143.087	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	1482065	148.473	ug/l	95

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. 0.01 min

Lab File: VD058201.D

Acq: 19 Jun 2018 18:41

Instrument :

MSVOA_D

ClientSampleId :

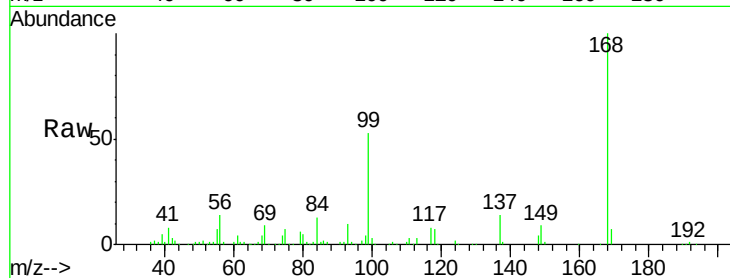
VSTDIC150

Tgt Ion:168 Resp: 876090

Ion Ratio Lower Upper

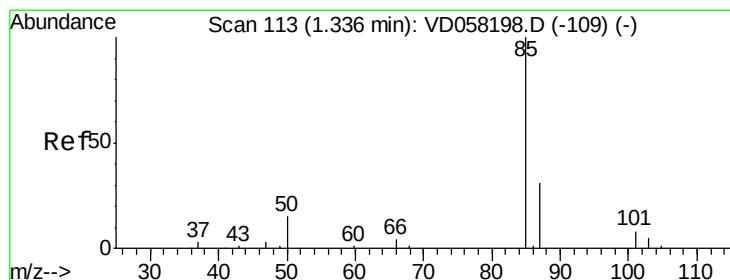
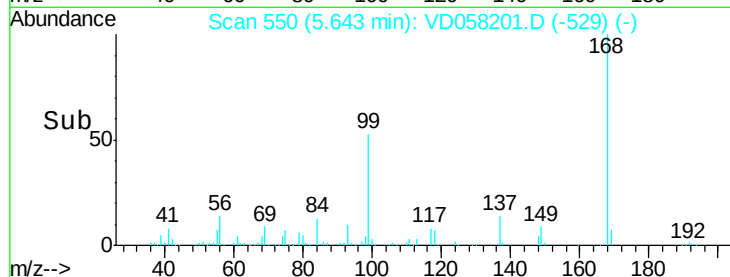
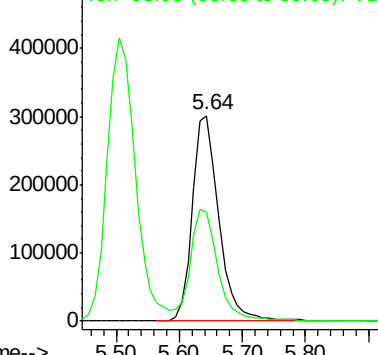
168 100

99 53.4 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 115.749 ug/l

RT: 1.33 min Scan# 112

Delta R.T. -0.00 min

Lab File: VD058201.D

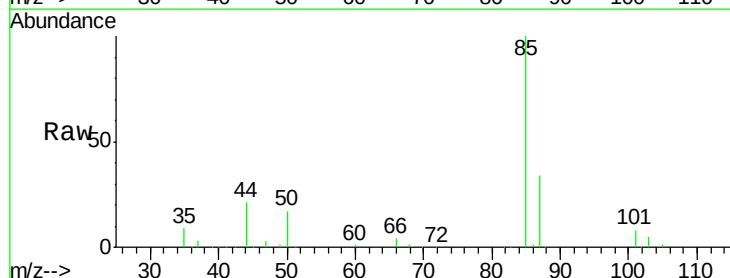
Acq: 19 Jun 2018 18:41

Tgt Ion: 85 Resp: 1305190

Ion Ratio Lower Upper

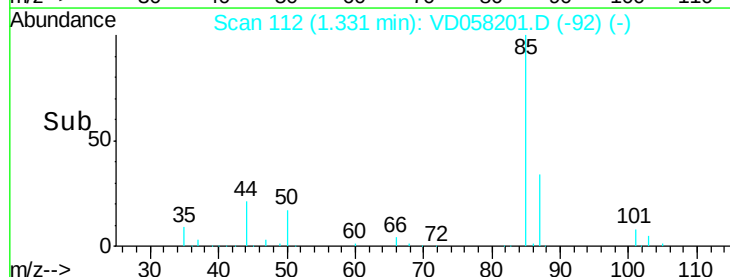
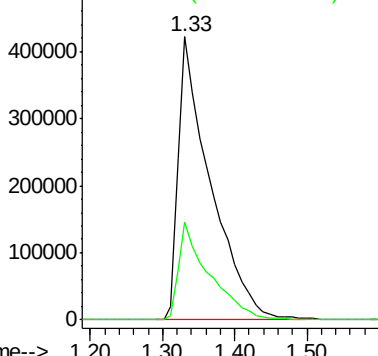
85 100

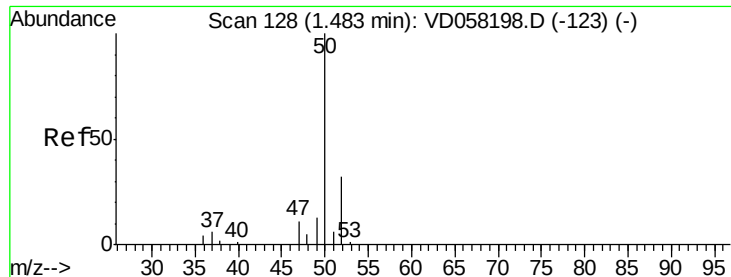
87 34.5 15.7 47.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 110.385 ug/l

RT: 1.49 min Scan# 128

Delta R.T. 0.01 min

Lab File: VD058201.D

Acq: 19 Jun 2018 18:41

Instrument :

MSVOA_D

ClientSampleId :

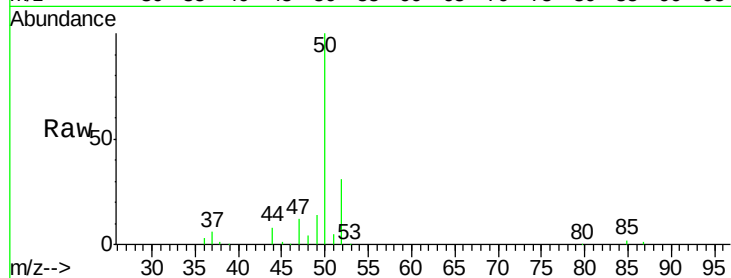
VSTDIC150

Tgt Ion: 50 Resp: 614098

Ion Ratio Lower Upper

50 100

52 31.0 25.0 37.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.49

150000

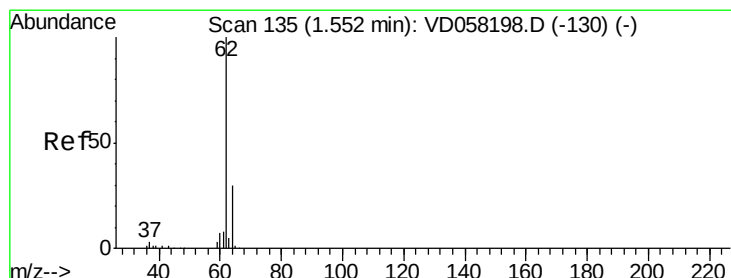
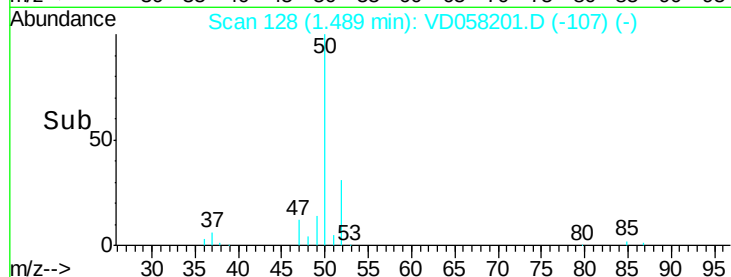
100000

50000

0

1.40 1.50 1.60 1.70

Time-->



#4

Vinyl Chloride

Concen: 134.042 ug/l

RT: 1.55 min Scan# 134

Delta R.T. -0.00 min

Lab File: VD058201.D

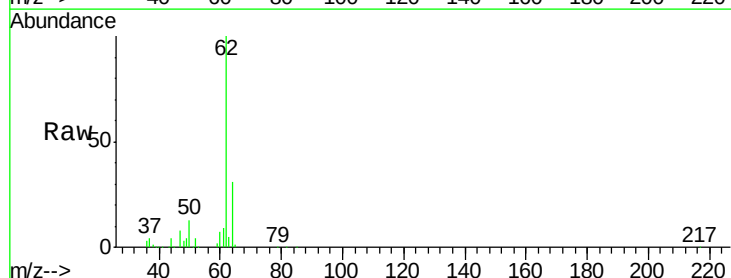
Acq: 19 Jun 2018 18:41

Tgt Ion: 62 Resp: 728454

Ion Ratio Lower Upper

62 100

64 30.6 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.55

300000

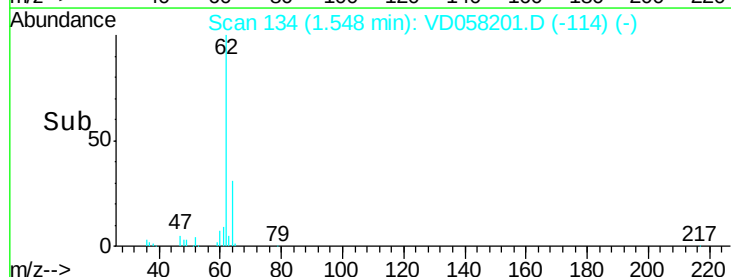
200000

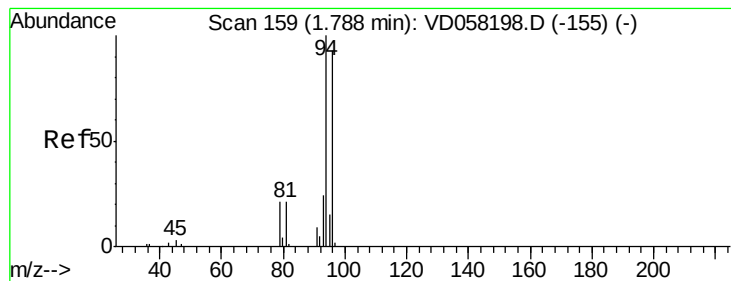
100000

0

1.40 1.50 1.60 1.70

Time-->





#5

Bromomethane

Concen: 79.709 ug/l

RT: 1.77 min Scan# 157

Delta R.T. -0.01 min

Lab File: VD058201.D

Acq: 19 Jun 2018 18:41

Instrument :

MSVOA_D

ClientSampleId :

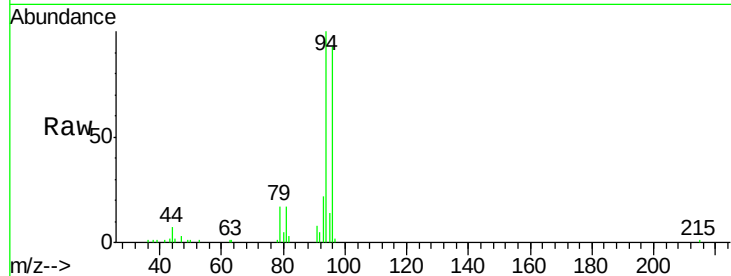
VSTDIC150

Tgt Ion: 94 Resp: 163947

Ion Ratio Lower Upper

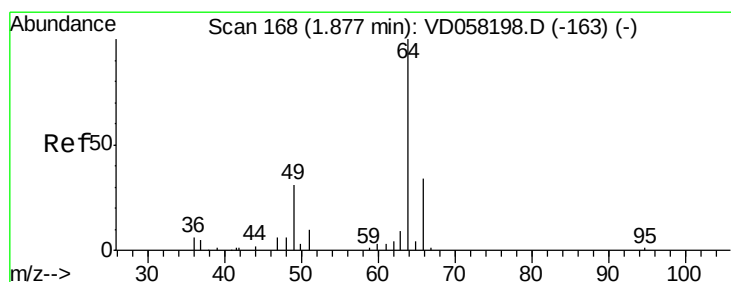
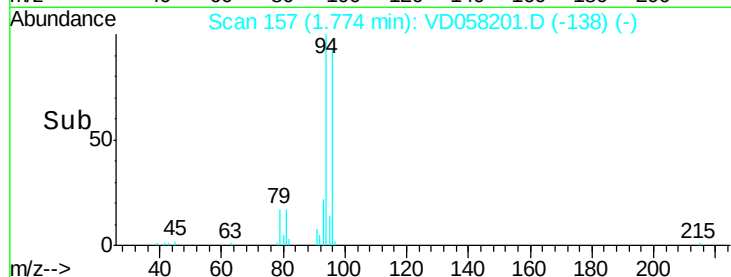
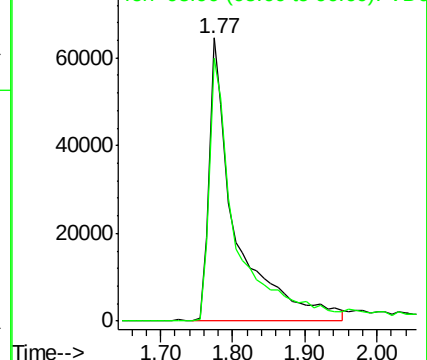
94 100

96 92.7 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 65.852 ug/l

RT: 1.86 min Scan# 166

Delta R.T. -0.01 min

Lab File: VD058201.D

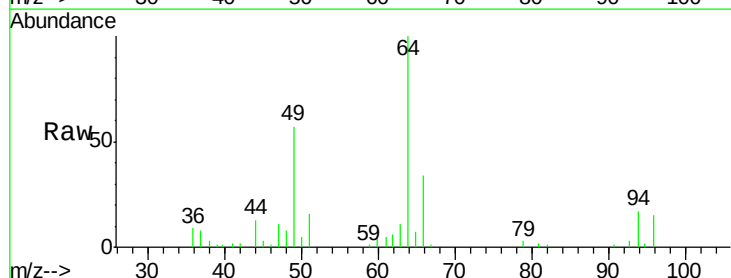
Acq: 19 Jun 2018 18:41

Tgt Ion: 64 Resp: 137683

Ion Ratio Lower Upper

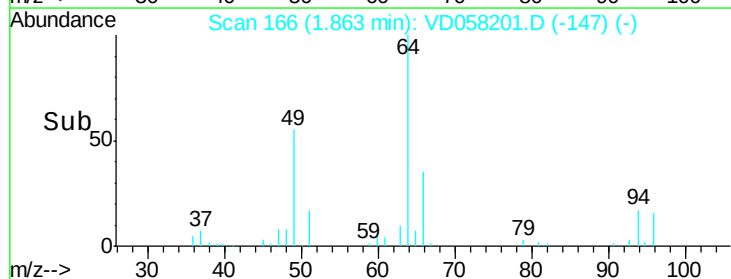
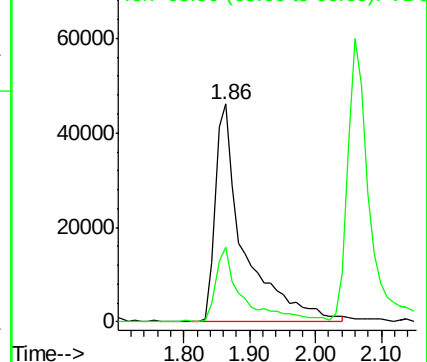
64 100

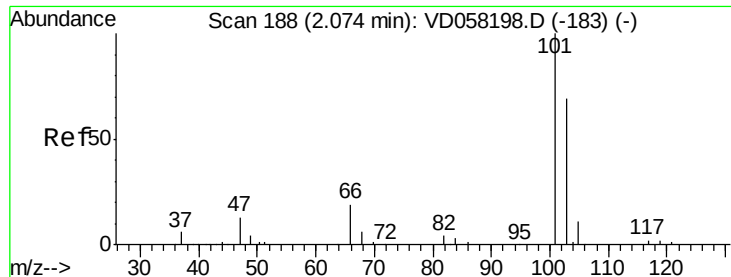
66 34.1 27.3 40.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



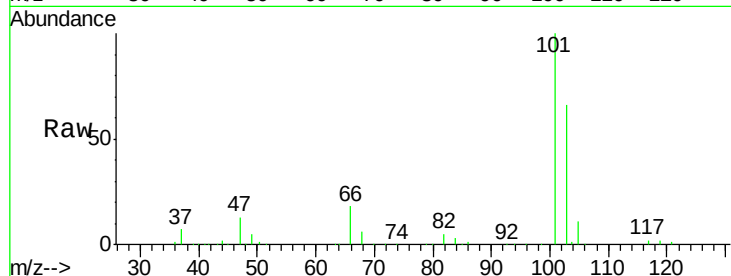


#7

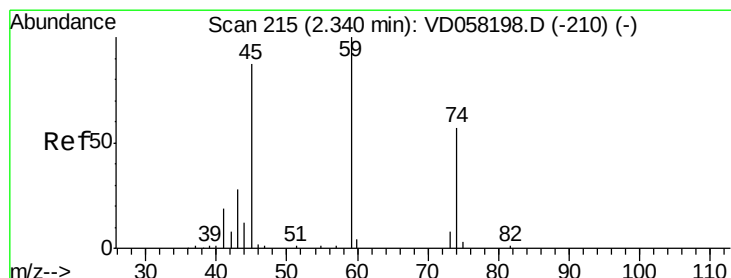
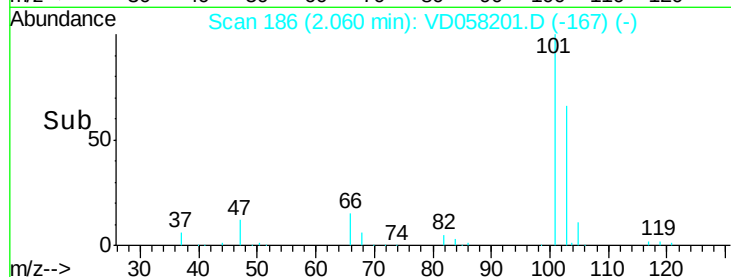
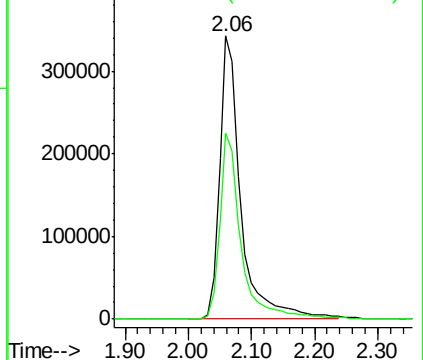
Trichlorofluoromethane
 Concen: 110.239 ug/l
 RT: 2.06 min Scan# 186
 Delta R.T. -0.01 min
 Lab File: VD058201.D
 Acq: 19 Jun 2018 18:41

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Tgt Ion: 101 Resp: 810836
 Ion Ratio Lower Upper
 101 100
 103 65.6 55.1 82.7



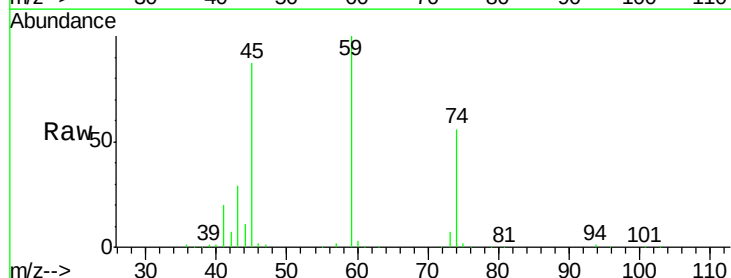
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



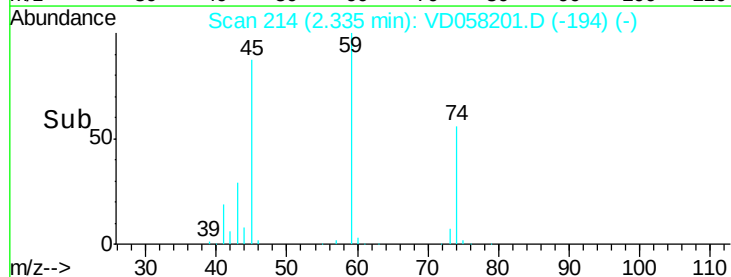
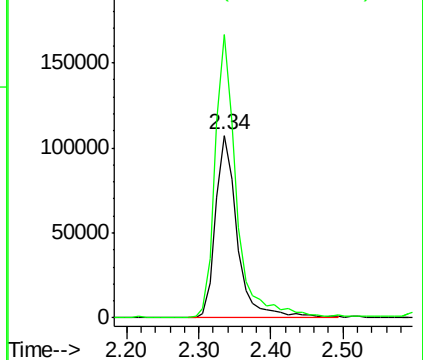
#8

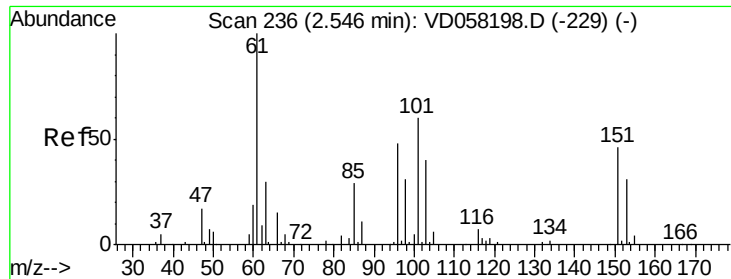
Diethyl Ether
 Concen: 158.059 ug/l
 RT: 2.34 min Scan# 214
 Delta R.T. -0.00 min
 Lab File: VD058201.D
 Acq: 19 Jun 2018 18:41

Tgt Ion: 74 Resp: 221472
 Ion Ratio Lower Upper
 74 100
 45 155.2 77.5 232.6



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC

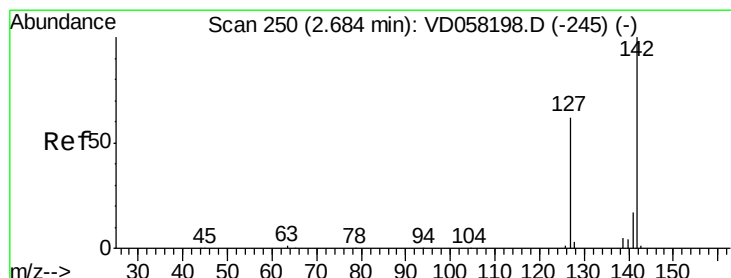
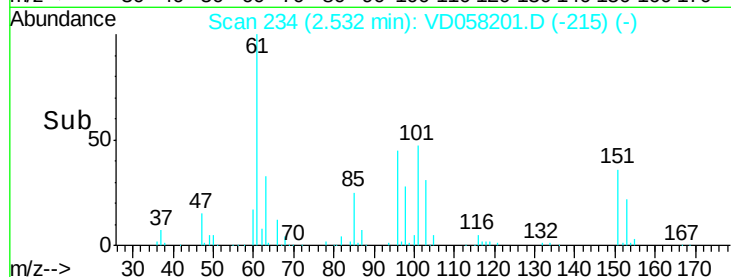
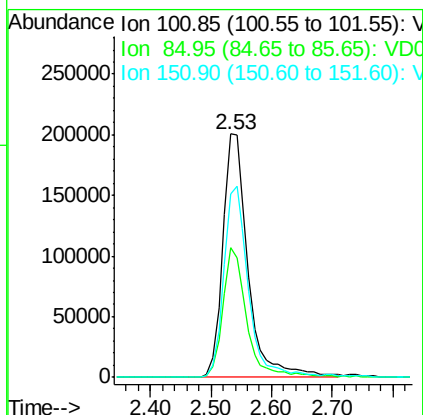
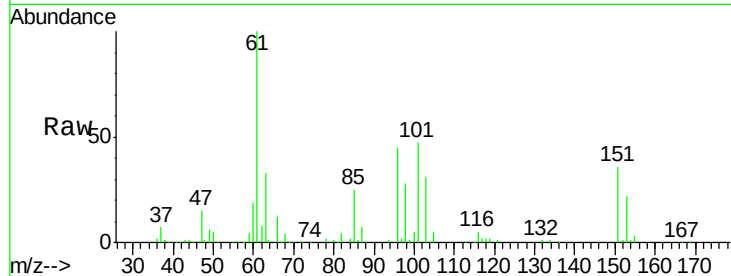




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 129.995 ug/l
 RT: 2.53 min Scan# 234
 Delta R.T. -0.01 min
 Lab File: VD058201.D
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 VSTDIC150

Tgt Ion:101 Resp: 576274
 Ion Ratio Lower Upper
 101 100
 85 53.1 39.0 58.4
 151 75.4 61.8 92.8



#10
 Methyl Iodide
 Concen: 143.435 ug/l
 RT: 2.68 min Scan# 249
 Delta R.T. -0.00 min
 Lab File: VD058201.D
 Acq: 19 Jun 2018 18:41

Tgt Ion:142 Resp: 815090
 Ion Ratio Lower Upper
 142 100
 127 57.9 49.4 74.0
 141 14.9 13.5 20.3

