

Data File : VW015189.D
Acq On : 14 Apr 2020 12:39
Operator : SY/VA
Sample : VSTD050
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD05002

Quant Time: Apr 14 13:12:54 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041420S.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 14 12:51:04 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1041244	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	922039	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	420672	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	521088	52.92	ug/L	0.00
7) Chloroethane-d5	2.89	69	387057	53.61	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	1179383	45.22	ug/L	0.00
20) 2-Butanone-d5	7.07	46	331550	98.43	ug/L	0.00
24) Chloroform-d	7.65	84	1137504	46.32	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	579695	47.67	ug/L	0.00
29) Benzene-d6	8.27	84	2426606	47.56	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	739858	46.90	ug/L	0.00
37) Toluene-d8	10.32	98	2313308	48.38	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	341010	47.38	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	296786	105.31	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	584917	50.73	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	724272	48.04	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	532164	70.700 ug/L	97
3) Chloromethane	2.21	50	656165	70.223 ug/L	99
5) Vinyl chloride	2.36	62	696031	55.637 ug/L	100
6) Bromomethane	2.78	94	361754	55.910 ug/L	98
8) Chloroethane	2.93	64	346275	55.932 ug/L	97
9) Trichlorofluoromethane	3.26	101	503492	50.776 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	687218	47.948 ug/L	99
12) 1,1-Dichloroethene	4.04	96	675910	47.737 ug/L	98
13) Acetone	4.12	43	210982	98.819 ug/L	91
14) Carbon disulfide	4.38	76	2154560	45.909 ug/L	100
15) Methyl Acetate	4.67	43	279461	54.522 ug/L	97
16) Methylene chloride	4.91	84	654151	44.311 ug/L	95
17) Methyl tert-butyl Ether	5.42	73	901893	47.489 ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	694295	48.363 ug/L	98
19) 1,1-Dichloroethane	6.21	63	1179472	47.694 ug/L	97
21) 2-Butanone	7.17	43	370298	106.373 ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	722198	48.434 ug/L	98
23) Bromochloromethane	7.51	128	308417	50.355 ug/L	96
25) Chloroform	7.67	83	1151167	47.885 ug/L	99
27) 1,2-Dichloroethane	8.40	62	710151	48.557 ug/L	100
30) Cyclohexane	7.95	56	1232897	48.068 ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	993772	47.588 ug/L	100
32) Carbon tetrachloride	8.07	117	911913	47.735 ug/L	100
34) Benzene	8.32	78	2759057	48.115 ug/L	100
35) Trichloroethene	9.09	95	719612	47.510 ug/L	99
36) Methylcyclohexane	9.34	83	1327898	48.273 ug/L	99
40) 1,2-Dichloropropane	9.37	63	680044	48.608 ug/L	100
41) Bromodichloromethane	9.64	83	867740	48.246 ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	1091189	48.353 ug/L	96
43) 4-Methyl-2-pentanone	10.21	43	859268	103.113 ug/L	100

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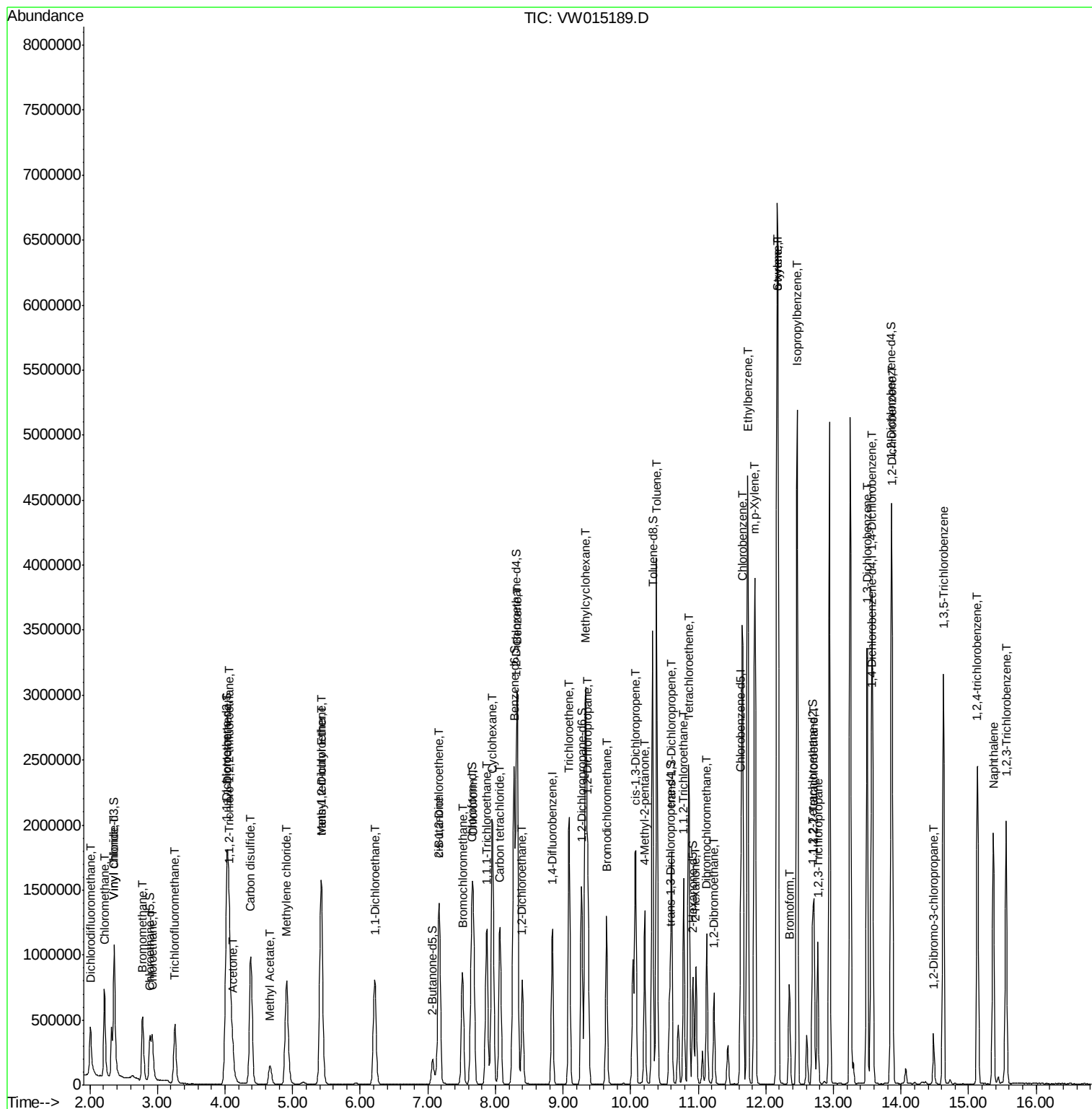
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	2984527	49.396	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	955045	49.165	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	499496	50.120	ug/L	97
47) Tetrachloroethene	10.86	164	538304	49.630	ug/L	99
49) 2-Hexanone	10.96	43	586254	106.758	ug/L	99
50) Dibromochloromethane	11.13	129	589834	50.567	ug/L	99
51) 1,2-Dibromoethane	11.23	107	478745	50.961	ug/L	99
52) Chlorobenzene	11.66	112	1843197	49.660	ug/L	100
53) Ethylbenzene	11.73	91	3352552	49.337	ug/L	100
54) m,p-Xylene	11.83	106	1279987	49.115	ug/L	99
55) o-xylene	12.16	106	1240012	49.783	ug/L	100
56) Styrene	12.18	104	2095795	50.029	ug/L	98
57) Isopropylbenzene	12.46	105	3322515	49.408	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	601642	51.810	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	435029	50.697	ug/L	100
62) Bromoform	12.35	173	334825	49.712	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	1363311	49.029	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	1336095	49.468	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	1214892	49.199	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	98059	47.950	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	931447	48.652	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	786207	51.455	ug/L	100
69) Naphthalene	15.36	128	1666385	54.438	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	677723	50.944	ug/L	99

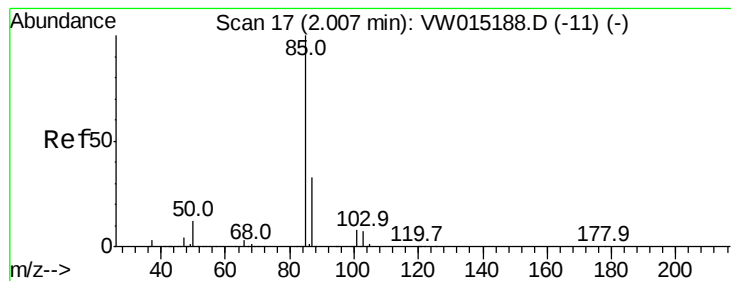
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 70.700 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW015189.D

Acq: 14 Apr 2020 12:39

Instrument :

MSVOA_W

ClientSampleId :

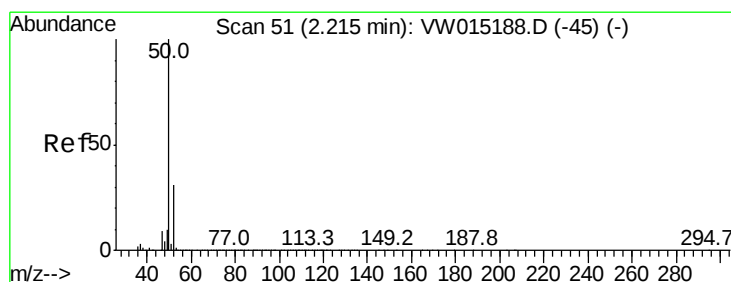
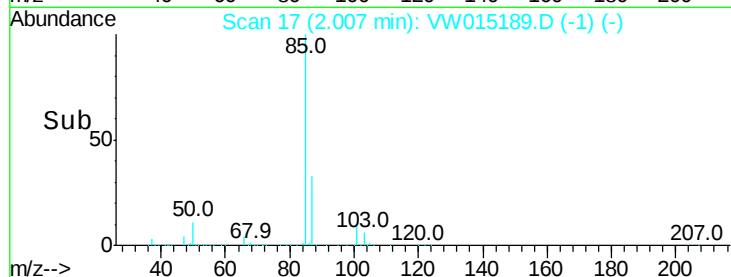
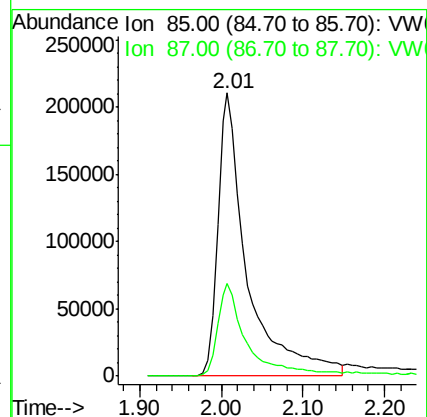
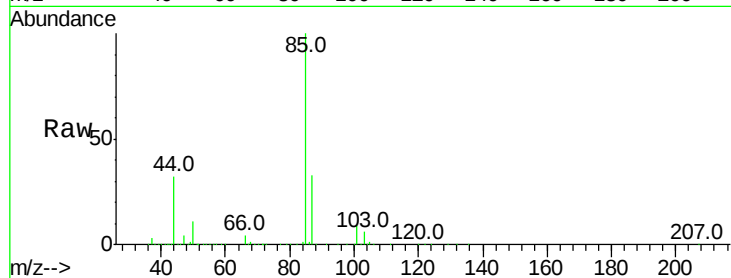
VSTD05002

Tgt Ion: 85 Resp: 532164

Ion Ratio Lower Upper

85 100

87 31.5 23.3 43.3



#3

Chloromethane

Concen: 70.223 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015189.D

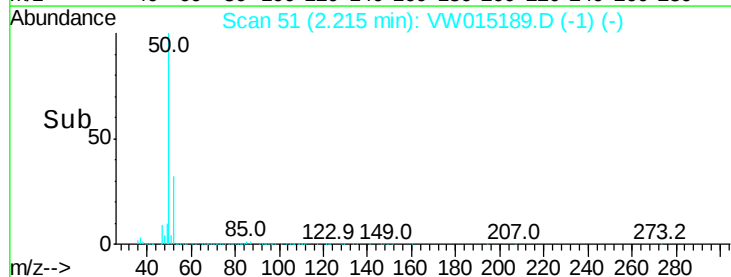
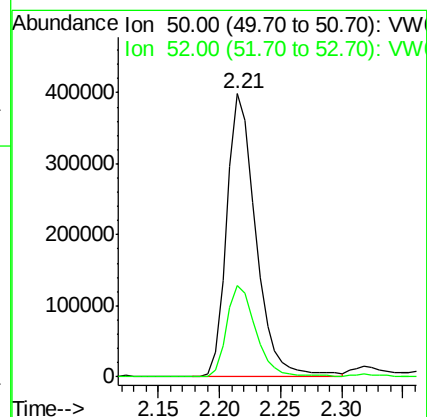
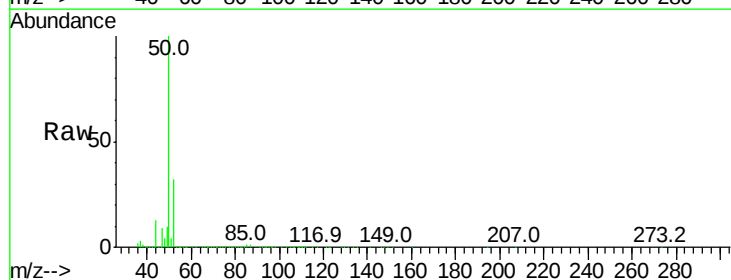
Acq: 14 Apr 2020 12:39

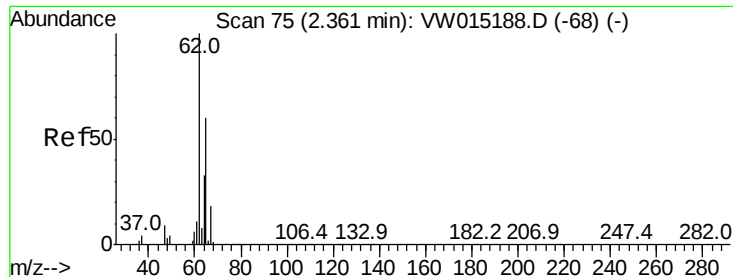
Tgt Ion: 50 Resp: 656165

Ion Ratio Lower Upper

50 100

52 32.1 22.0 40.8





#5

Vinyl chloride

Concen: 55.637 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW015189.D

Acq: 14 Apr 2020 12:39

Instrument :

MSVOA_W

ClientSampleId :

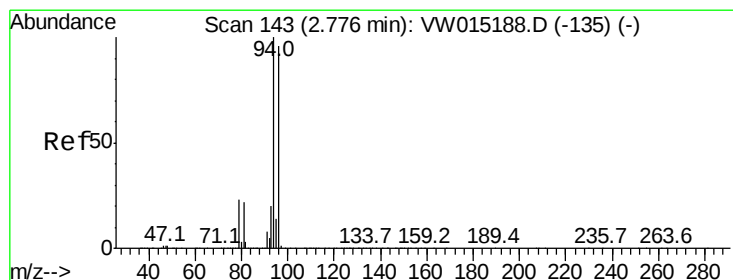
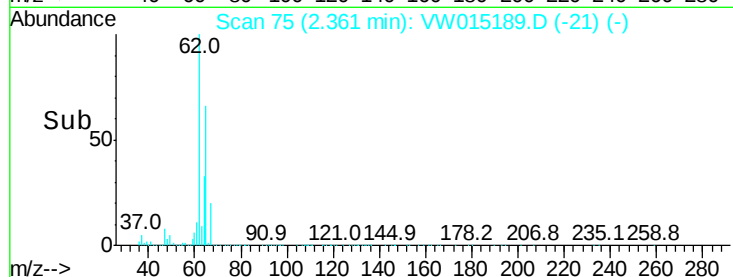
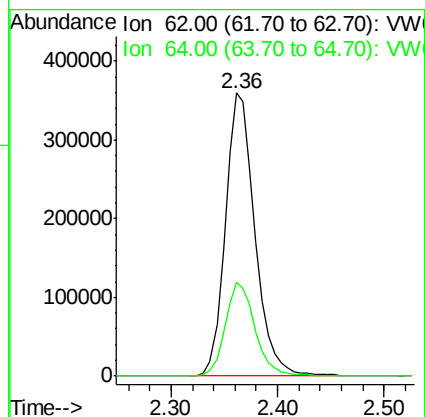
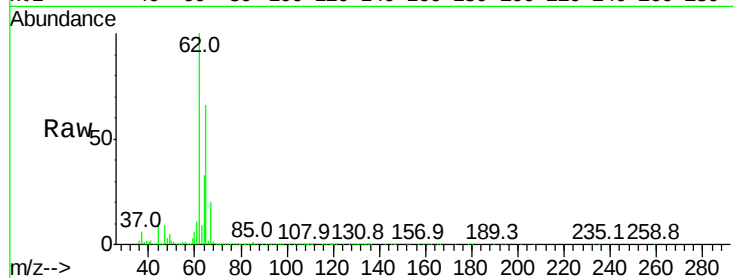
VSTD05002

Tgt Ion: 62 Resp: 696031

Ion Ratio Lower Upper

62 100

64 33.1 23.2 43.0



#6

Bromomethane

Concen: 55.910 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW015189.D

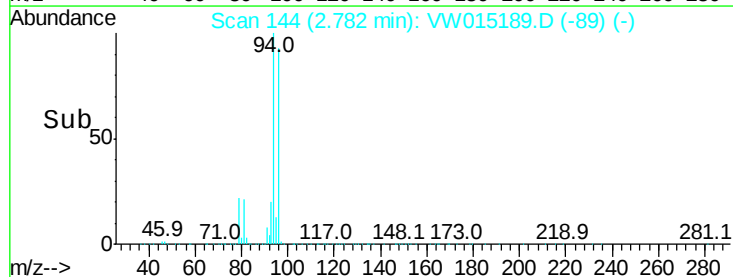
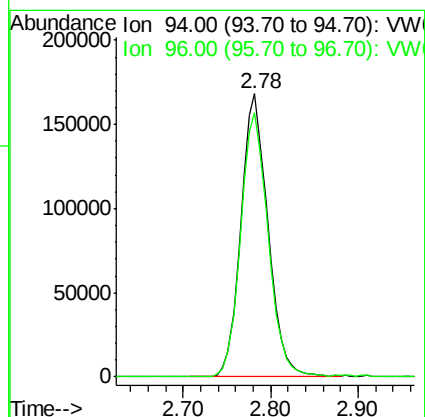
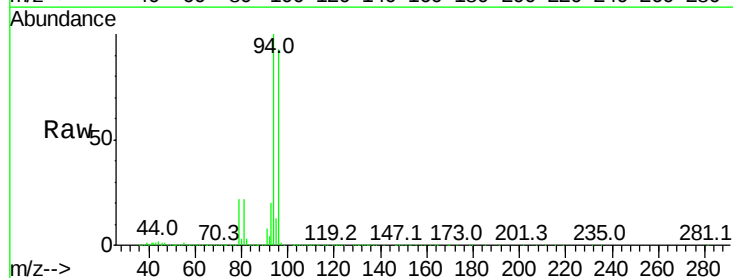
Acq: 14 Apr 2020 12:39

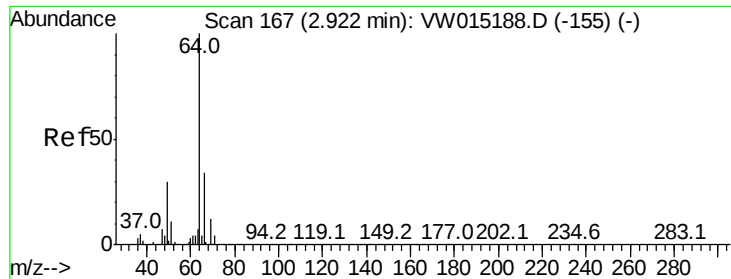
Tgt Ion: 94 Resp: 361754

Ion Ratio Lower Upper

94 100

96 94.5 9.3 176.5

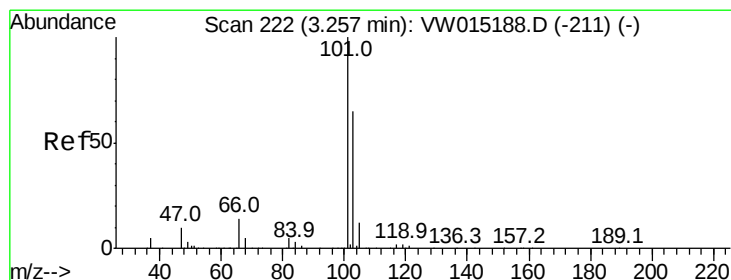
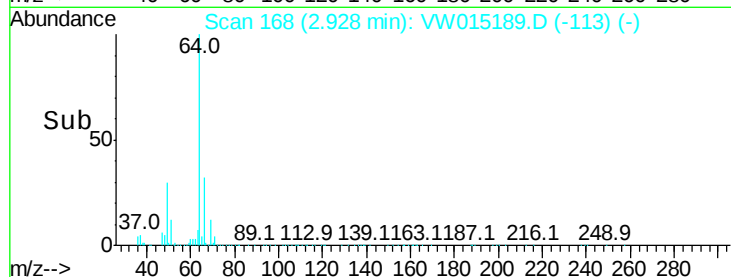
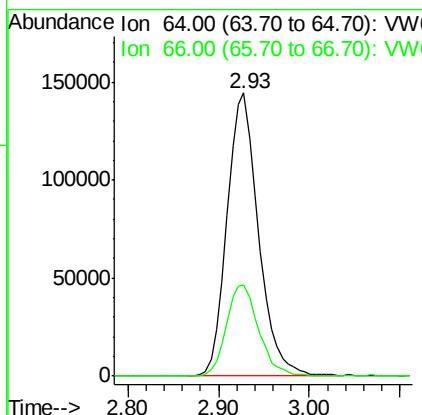
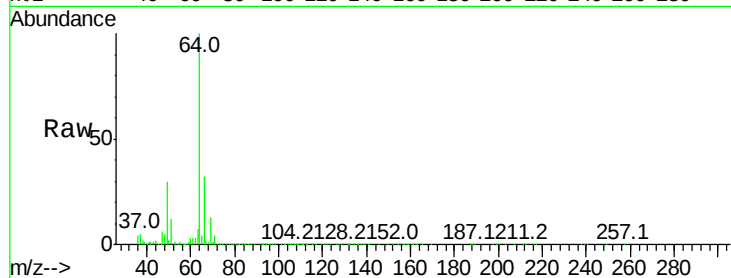




#8
Chloroethane
Concen: 55.932 ug/L
RT: 2.93 min Scan# 168
Delta R.T. 0.01 min
Lab File: VW015189.D
Acq: 14 Apr 2020 12:39

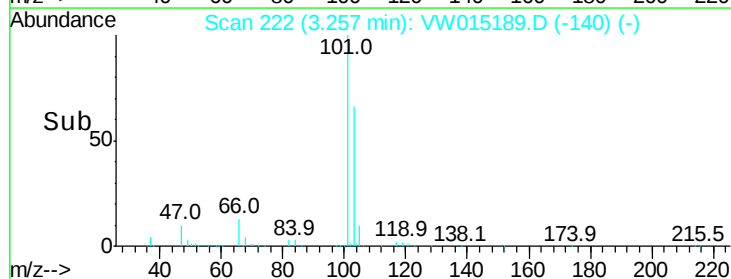
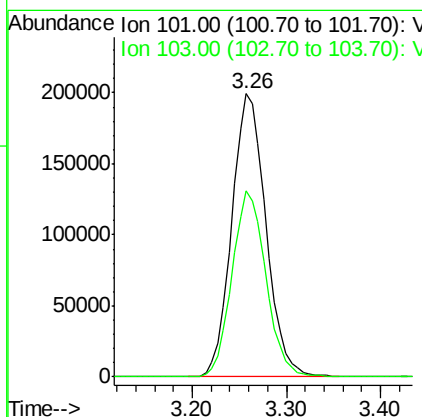
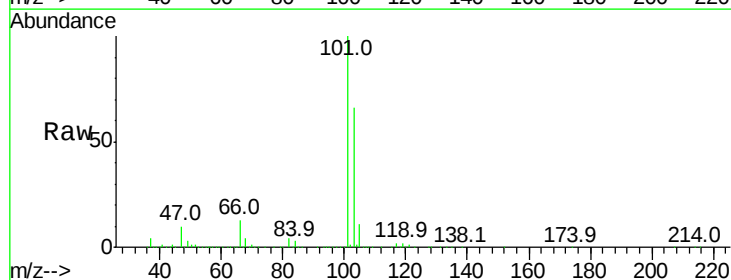
Instrument :
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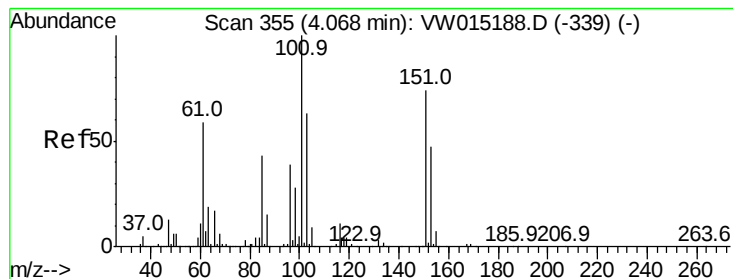
Tgt Ion: 64 Resp: 346275
Ion Ratio Lower Upper
64 100
66 32.4 23.9 44.3



#9
Trichlorofluoromethane
Concen: 50.776 ug/L
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW015189.D
Acq: 14 Apr 2020 12:39

Tgt Ion: 101 Resp: 503492
Ion Ratio Lower Upper
101 100
103 65.3 45.3 84.1





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 47.948 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW015189.D

Acq: 14 Apr 2020 12:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD05002

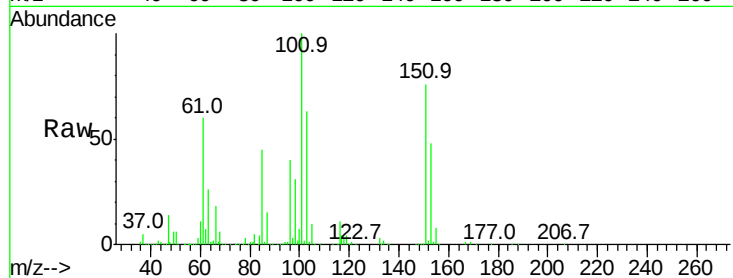
Tgt Ion: 101 Resp: 687218

Ion Ratio Lower Upper

101 100

85 43.5 33.5 50.3

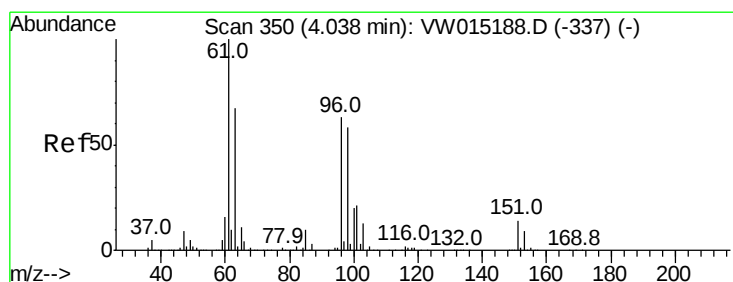
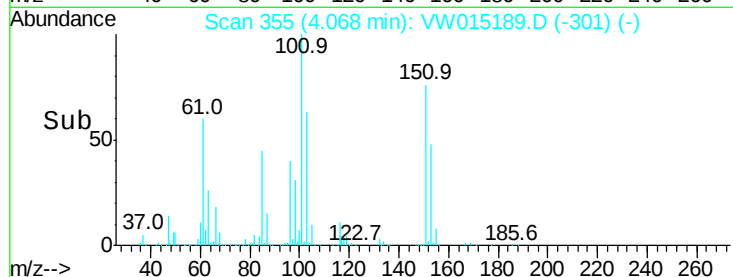
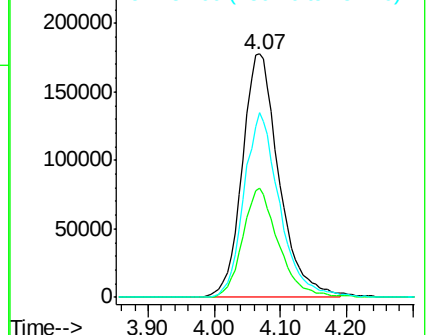
151 73.6 59.1 88.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 47.737 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW015189.D

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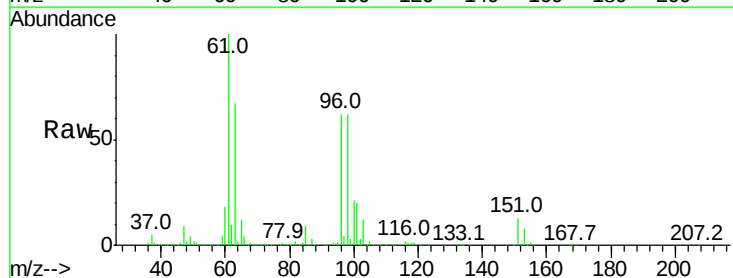
Tgt Ion: 96 Resp: 675910

Ion Ratio Lower Upper

96 100

61 161.0 111.0 206.2

63 108.6 74.4 138.2



Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

