

Data File : VW007916.D
Acq On : 26 Dec 2018 10:17
Operator : SY/AP
Sample : VSTD05084
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD05084

Quant Time: Dec 26 10:44:06 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 26 10:32:54 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	92176	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	82274	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	40423	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	45278	75.41	ug/L	0.00
7) Chloroethane-d5	2.89	69	29464	57.95	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	115267	55.66	ug/L	0.00
20) 2-Butanone-d5	7.08	46	40590	107.26	ug/L	0.00
24) Chloroform-d	7.65	84	110399	50.78	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	66723	53.92	ug/L	0.00
29) Benzene-d6	8.27	84	214206	47.94	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	57494	45.09	ug/L	0.00
37) Toluene-d8	10.32	98	206214	49.22	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	33789	51.83	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	34028	110.86	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	56735	48.83	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	71022	49.94	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	49059	48.734	ug/L	94
3) Chloromethane	2.22	50	35612	44.192	ug/L	95
5) Vinyl chloride	2.37	62	47100	61.952	ug/L	98
6) Bromomethane	2.78	94	27917	53.089	ug/L	100
8) Chloroethane	2.93	64	24167	52.807	ug/L	99
9) Trichlorofluoromethane	3.26	101	44120	50.555	ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	51794	44.520	ug/L	95
12) 1,1-Dichloroethene	4.04	96	51824	47.874	ug/L	95
13) Acetone	4.12	43	39563	89.904	ug/L	99
14) Carbon disulfide	4.37	76	166518	52.684	ug/L	99
15) Methyl Acetate	4.67	43	30132	45.663	ug/L	96
16) Methylene chloride	4.92	84	55719	37.411	ug/L	97
17) Methyl tert-butyl Ether	5.42	73	89457	50.822	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	54918	47.289	ug/L	94
19) 1,1-Dichloroethane	6.21	63	90499	45.716	ug/L	96
21) 2-Butanone	7.17	43	44155	93.354	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	58368	45.673	ug/L	99
23) Bromochloromethane	7.51	128	26237	45.035	ug/L	95
25) Chloroform	7.68	83	100931	47.122	ug/L	100
27) 1,2-Dichloroethane	8.40	62	74662	48.763	ug/L #	95
30) Cyclohexane	7.95	56	87136	44.147	ug/L	97
31) 1,1,1-Trichloroethane	7.87	97	94751	48.931	ug/L	98
32) Carbon tetrachloride	8.07	117	90777	48.511	ug/L	100
34) Benzene	8.32	78	206609	43.811	ug/L	100
35) Trichloroethene	9.09	95	60574	44.794	ug/L	98
36) Methylcyclohexane	9.34	83	104762	44.877	ug/L	99
40) 1,2-Dichloropropane	9.37	63	48849	42.346	ug/L	99
41) Bromodichloromethane	9.65	83	73114	44.141	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	88206	45.531	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	83588	91.548	ug/L	99

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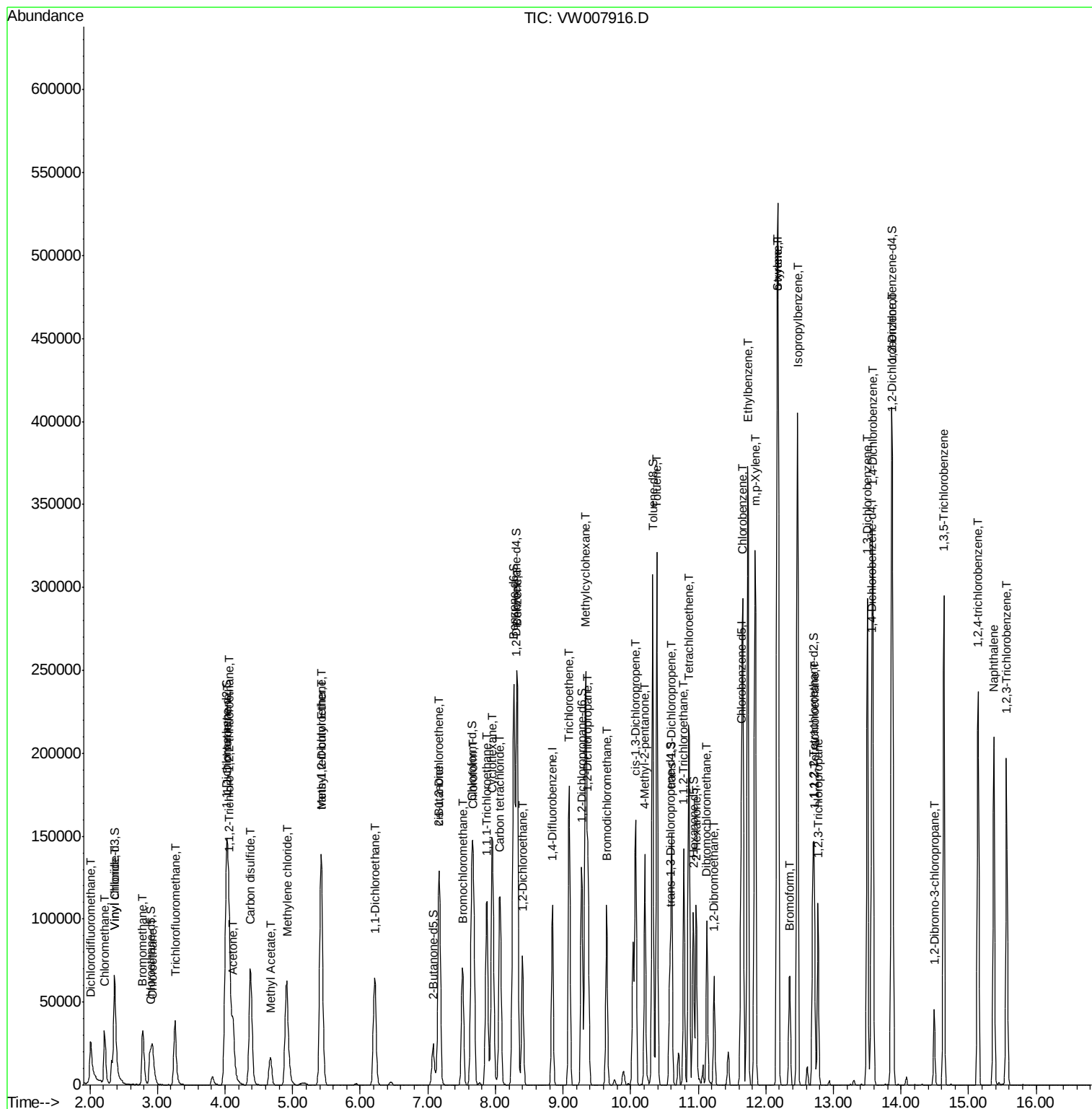
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	231353	45.515	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	80450	47.288	ug/L	95
46) 1,1,2-Trichloroethane	10.79	97	42289	44.521	ug/L	97
47) Tetrachloroethene	10.87	164	47291	46.296	ug/L	98
49) 2-Hexanone	10.97	43	63927	99.618	ug/L	96
50) Dibromochloromethane	11.13	129	53620	45.951	ug/L	96
51) 1,2-Dibromoethane	11.24	107	44208	46.341	ug/L	100
52) Chlorobenzene	11.66	112	149992	45.467	ug/L	99
53) Ethylbenzene	11.73	91	267367	46.778	ug/L	100
54) m,p-Xylene	11.84	106	100152	46.128	ug/L	99
55) o-xylene	12.17	106	94252	45.935	ug/L	100
56) Styrene	12.18	104	164511	46.773	ug/L	98
57) Isopropylbenzene	12.47	105	271353	47.384	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	53586	45.507	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	44529	47.774	ug/L	99
62) Bromoform	12.35	173	31824	45.971	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	119836	46.145	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	118891	45.923	ug/L	96
65) 1,2-Dichlorobenzene	13.88	146	106553	45.847	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	12656	51.413	ug/L	89
67) 1,3,5-Trichlorobenzene	14.63	180	86514	45.989	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	73573	45.364	ug/L	98
69) Naphthalene	15.37	128	184592	46.046	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	66386	45.024	ug/L	99

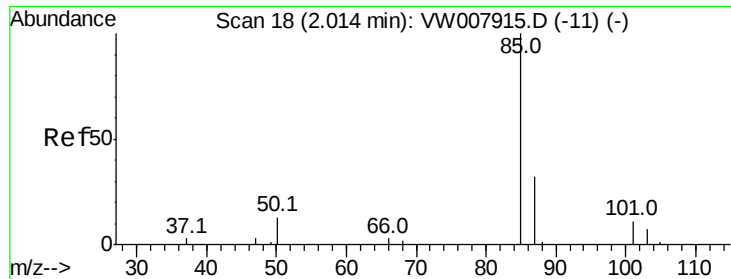
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 48.734 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

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Instrument :

MSVOA_W

ClientSampleId :

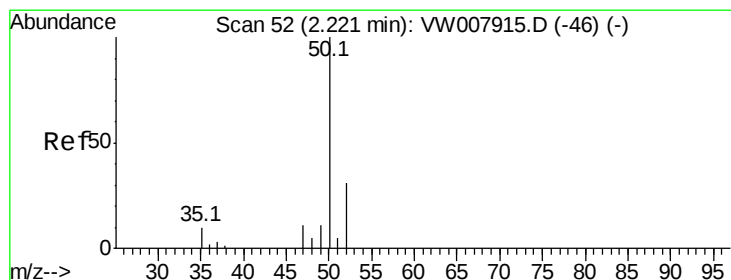
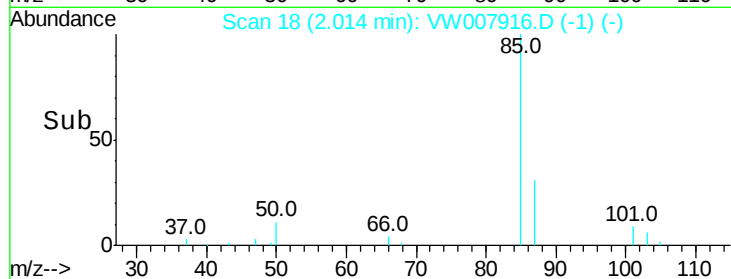
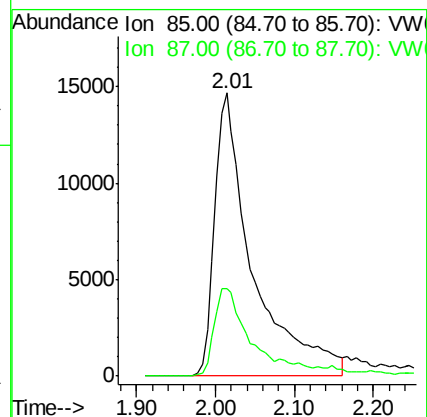
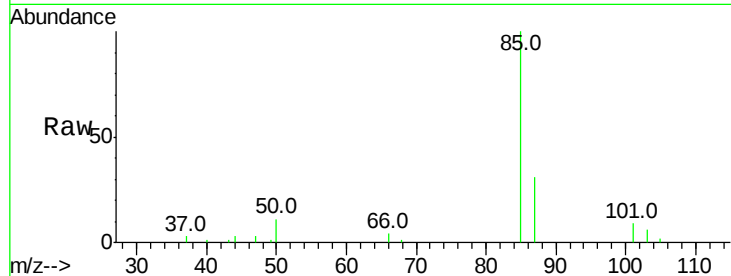
VSTD05084

Tgt Ion: 85 Resp: 49059

Ion Ratio Lower Upper

85 100

87 26.5 20.6 38.4



#3

Chloromethane

Concen: 44.192 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW007916.D

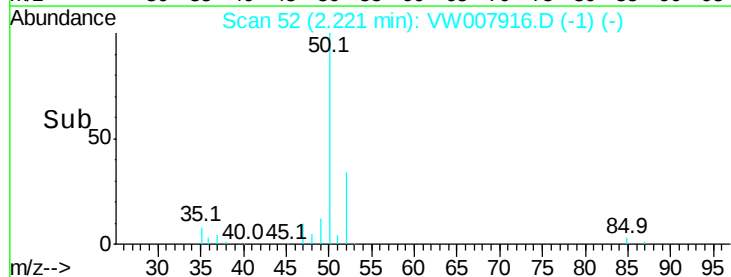
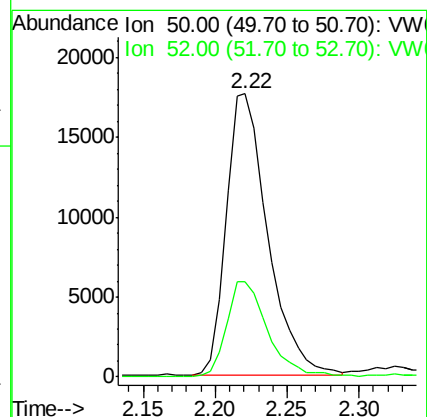
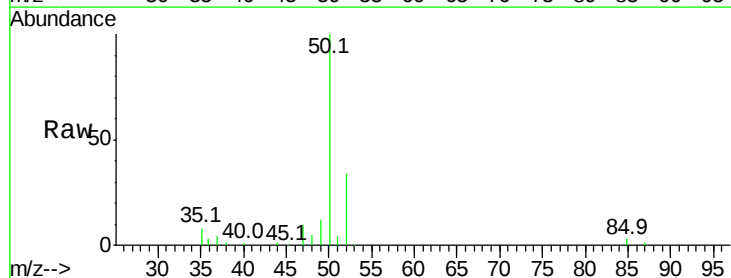
Acq: 26 Dec 2018 10:17

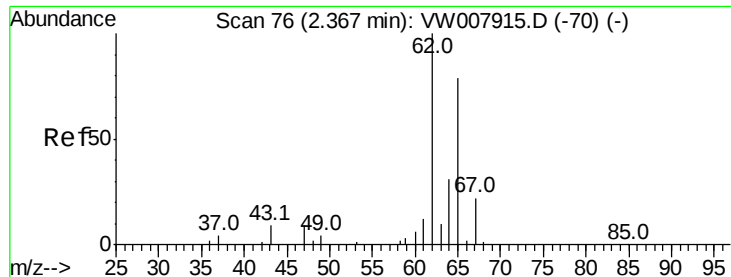
Tgt Ion: 50 Resp: 35612

Ion Ratio Lower Upper

50 100

52 33.5 21.4 39.8





#5

Vinyl chloride

Concen: 61.952 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW007916.D

Acq: 26 Dec 2018 10:17

Instrument :

MSVOA_W

ClientSampleId :

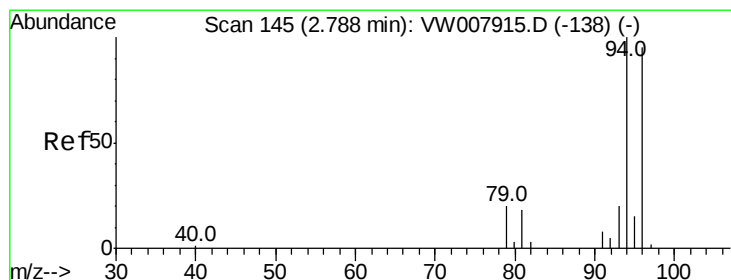
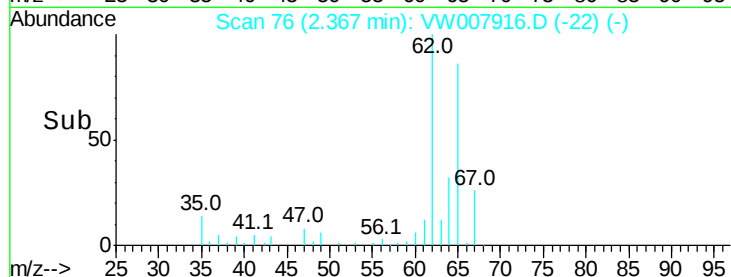
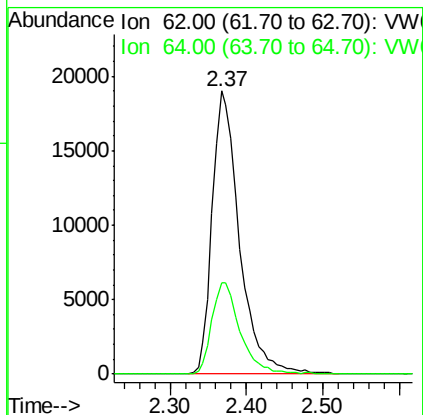
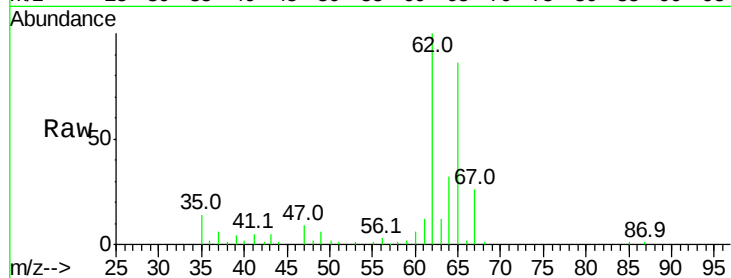
VSTD05084

Tgt Ion: 62 Resp: 47100

Ion Ratio Lower Upper

62 100

64 32.3 22.0 41.0



#6

Bromomethane

Concen: 53.089 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW007916.D

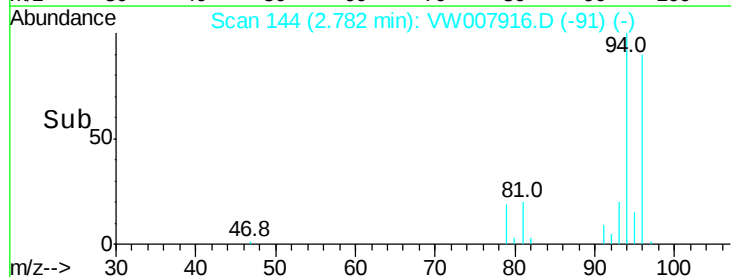
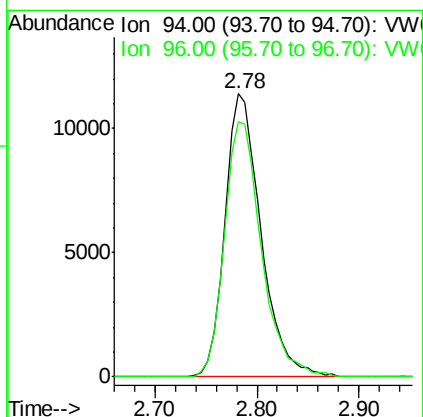
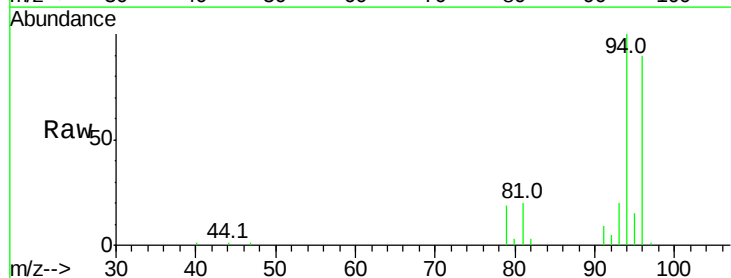
Acq: 26 Dec 2018 10:17

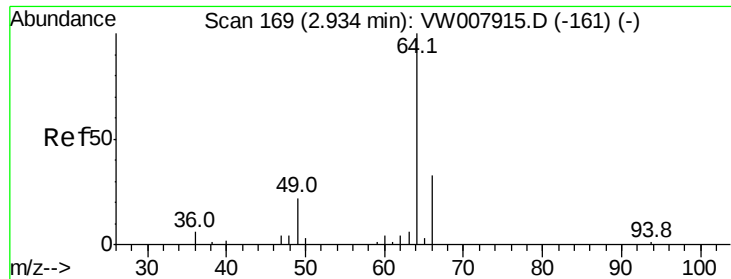
Tgt Ion: 94 Resp: 27917

Ion Ratio Lower Upper

94 100

96 92.3 9.2 175.4





#8

Chloroethane

Concen: 52.807 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW007916.D

Acq: 26 Dec 2018 10:17

Instrument :

MSVOA_W

ClientSampleId :

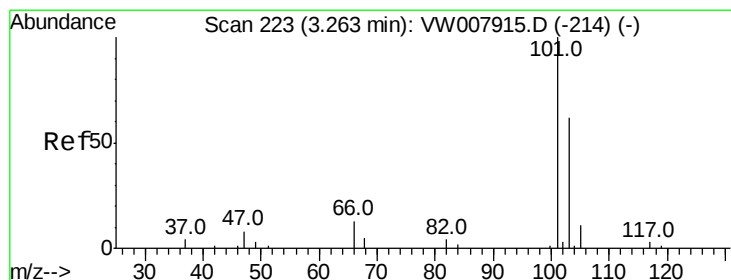
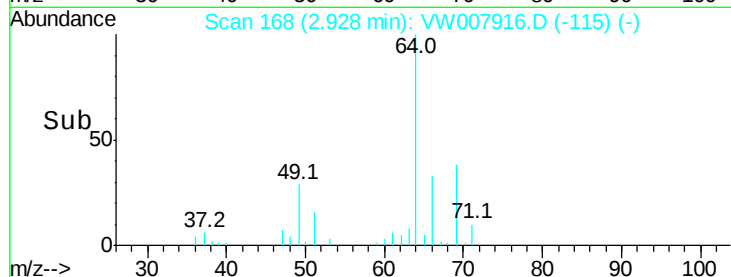
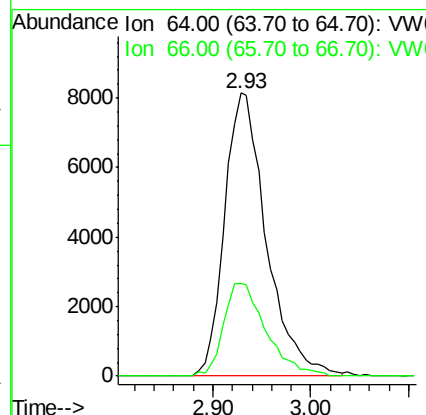
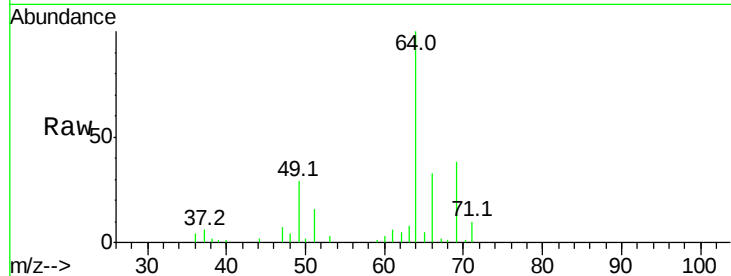
VSTD05084

Tgt Ion: 64 Resp: 24167

Ion Ratio Lower Upper

64 100

66 32.8 23.3 43.3



#9

Trichlorofluoromethane

Concen: 50.555 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW007916.D

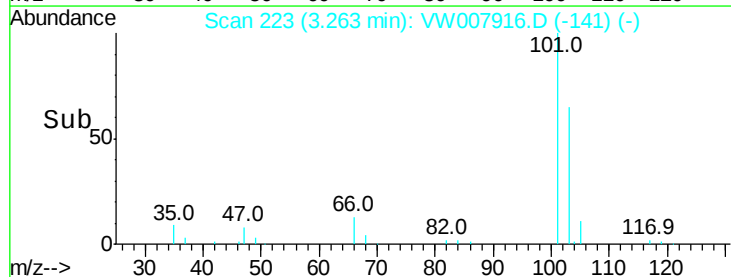
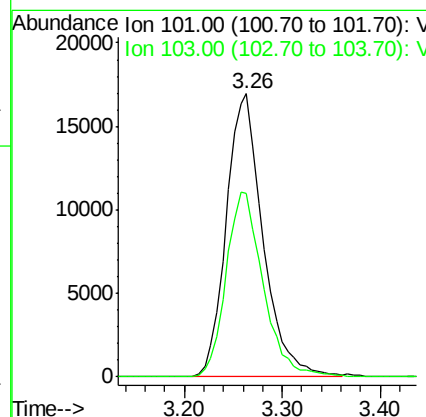
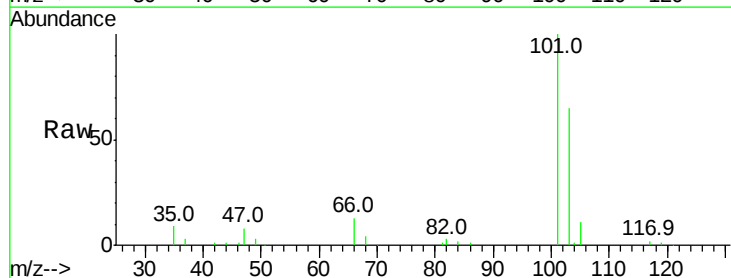
Acq: 26 Dec 2018 10:17

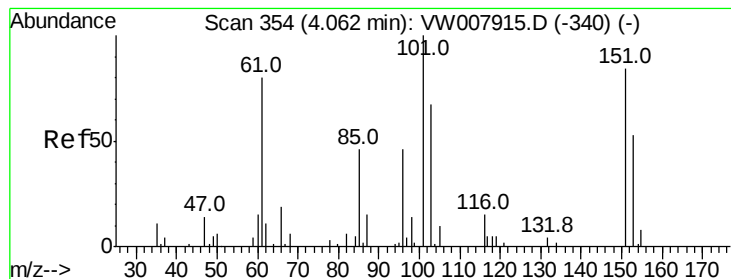
Tgt Ion: 101 Resp: 44120

Ion Ratio Lower Upper

101 100

103 65.9 44.7 83.1





#11

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

Concen: 44.520 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW007916.D

Acq: 26 Dec 2018 10:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD05084

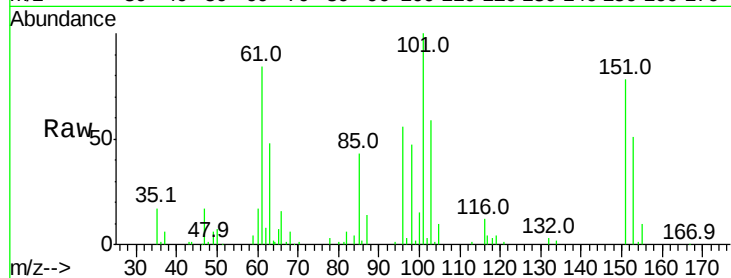
Tgt Ion:101 Resp: 51794

Ion Ratio Lower Upper

101 100

85 45.3 33.4 50.2

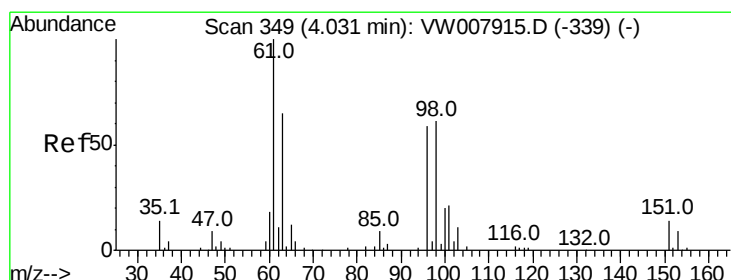
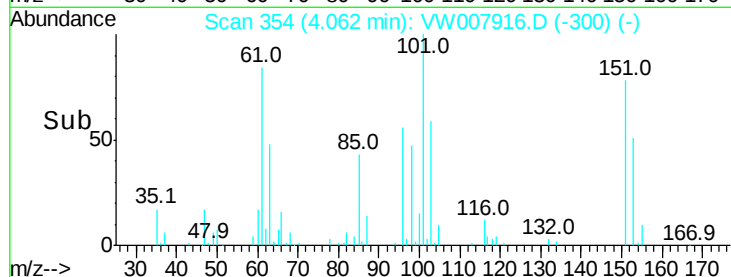
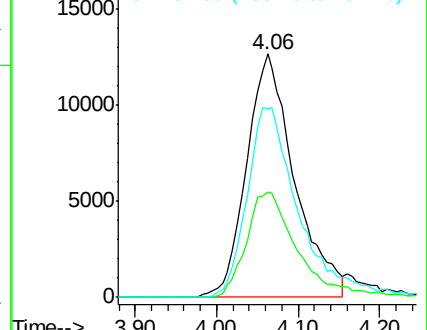
151 82.7 63.2 94.8



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: 47.874 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

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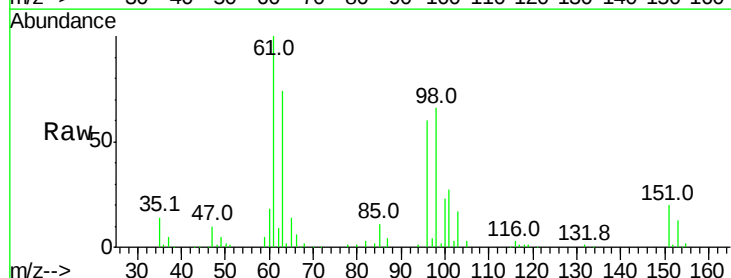
Tgt Ion: 96 Resp: 51824

Ion Ratio Lower Upper

96 100

61 166.9 120.3 223.3

63 123.6 91.6 170.0



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

