

Data File : VV010347.D
Acq On : 18 Apr 2019 13:15
Operator : SY/MD
Sample : VSTD10005
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD10005

Quant Time: Apr 18 13:41:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 18 12:43:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	324918	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	322086	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	186696	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	387064	103.49	ug/L	0.00
7) Chloroethane-d5	1.56	69	317225	98.69	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.12	63	923407	97.00	ug/L	0.00
20) 2-Butanone-d5	3.93	46	290952	307.40	ug/L	0.00
24) Chloroform-d	4.40	84	847680	114.24	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	512756	121.33	ug/L	0.00
29) Benzene-d6	5.10	84	1606220	103.42	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	486002	105.21	ug/L	0.00
37) Toluene-d8	7.36	98	1604114	105.92	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	258454	134.19	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	260591	326.62	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	527389	127.20	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	733009	106.31	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	462271	88.781	ug/L	98
3) Chloromethane	1.25	50	396505	92.805	ug/L	99
5) Vinyl chloride	1.32	62	421737	91.794	ug/L	98
6) Bromomethane	1.51	94	259123	69.588	ug/L	97
8) Chloroethane	1.58	64	253709	88.557	ug/L	96
9) Trichlorofluoromethane	1.76	101	823134	88.461	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	435788	87.482	ug/L	98
12) 1,1-Dichloroethene	2.13	96	384983	89.807	ug/L	91
13) Acetone	2.19	43	246867	244.108	ug/L	96
14) Carbon disulfide	2.31	76	964830	93.198	ug/L	99
15) Methyl Acetate	2.46	43	207054	114.956	ug/L	95
16) Methylene chloride	2.53	84	399828	62.835	ug/L	99
17) Methyl tert-butyl Ether	2.80	73	1055255	113.758	ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	375175	92.108	ug/L	97
19) 1,1-Dichloroethane	3.23	63	663074	98.963	ug/L	99
21) 2-Butanone	4.01	43	296868	257.373	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	446115	100.659	ug/L	99
23) Bromochloromethane	4.30	128	223500	102.414	ug/L	98
25) Chloroform	4.42	83	768044	96.503	ug/L	99
27) 1,2-Dichloroethane	5.18	62	581970	114.258	ug/L	100
30) Cyclohexane	4.72	56	547393	90.754	ug/L	97
31) 1,1,1-Trichloroethane	4.66	97	688091	102.130	ug/L	97
32) Carbon tetrachloride	4.87	117	647567	103.144	ug/L	99
34) Benzene	5.15	78	1507162	92.313	ug/L	100
35) Trichloroethene	5.96	95	433316	91.856	ug/L	99
36) Methylcyclohexane	6.17	83	654077	92.789	ug/L	98
40) 1,2-Dichloropropane	6.22	63	388328	97.203	ug/L	100
41) Bromodichloromethane	6.55	83	587488	110.364	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	668541	110.427	ug/L	97
43) 4-Methyl-2-pentanone	7.27	43	672368	260.037	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	1715727	93.476	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	626134	123.232	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	356998	105.344	ug/L	98
47) Tetrachloroethene	8.02	164	383891	91.798	ug/L	98
49) 2-Hexanone	8.18	43	504732	296.897	ug/L	96
50) Dibromochloromethane	8.29	129	491567	118.579	ug/L	96
51) 1,2-Dibromoethane	8.40	107	371565	107.501	ug/L	98
52) Chlorobenzene	8.93	112	1214897	94.856	ug/L	99
53) Ethylbenzene	9.05	91	2005999	99.111	ug/L	100
54) m,p-Xylene	9.18	106	792846	99.298	ug/L	99
55) o-xylene	9.59	106	795365	100.032	ug/L	99
56) Styrene	9.60	104	1414673	111.747	ug/L	96
57) Isopropylbenzene	9.97	105	2103400	104.085	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	481723	115.012	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	345513	112.087	ug/L	100
62) Bromoform	9.78	173	319483	117.912	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	1086070	93.821	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	1112934	94.481	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	1069821	96.817	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	90375	144.574	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	906786	105.713	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	778546	132.461	ug/L	99
69) Naphthalene	13.55	128	1548093	193.823	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	745041	136.682	ug/L	99

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

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VSTD10005

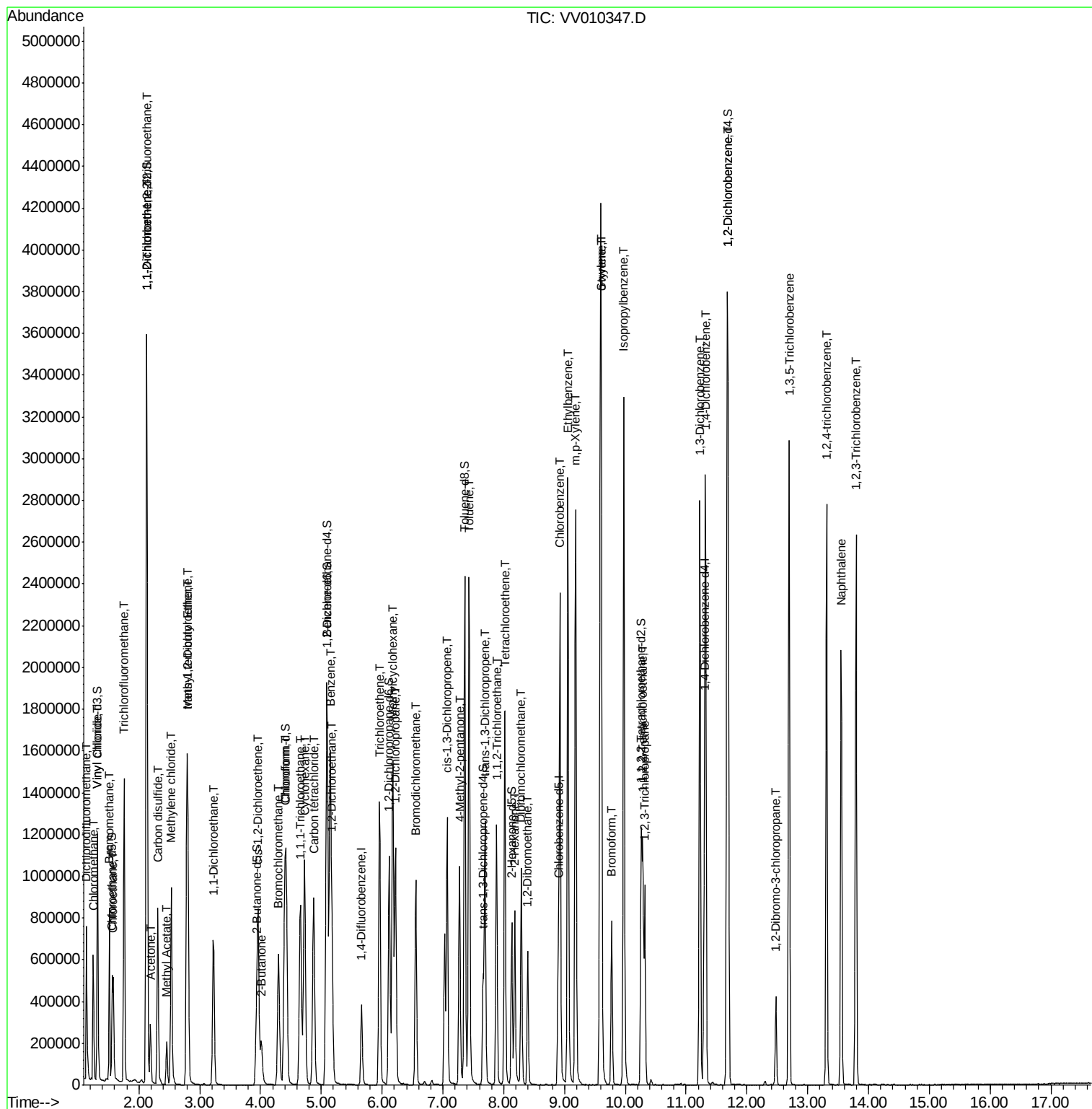
Quant Time: Apr 18 13:41:14 2019

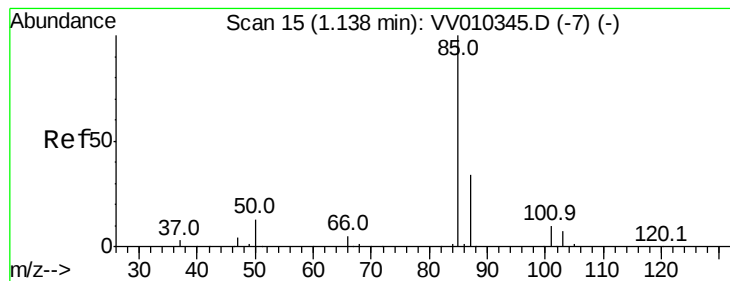
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M

Quant Title : VOC Analysis

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#2

Dichlorodifluoromethane

Concen: 88.781 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV010347.D

Acq: 18 Apr 2019 13:15

Instrument :

MSVOA_V

ClientSampleId :

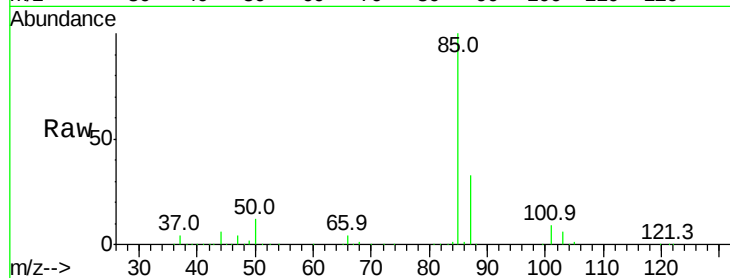
VSTD10005

Tgt Ion: 85 Resp: 462271

Ion Ratio Lower Upper

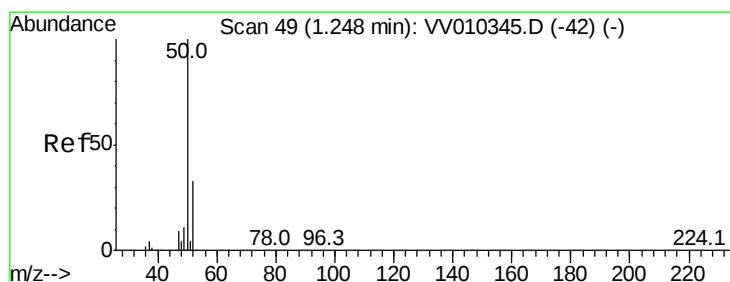
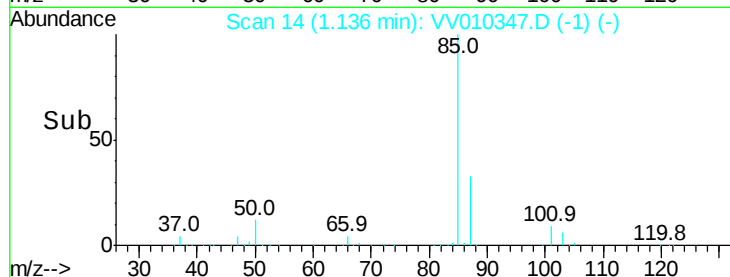
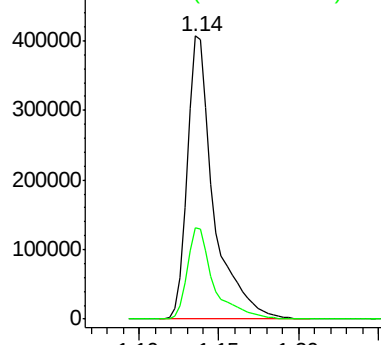
85 100

87 32.3 23.4 43.4



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 92.805 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV010347.D

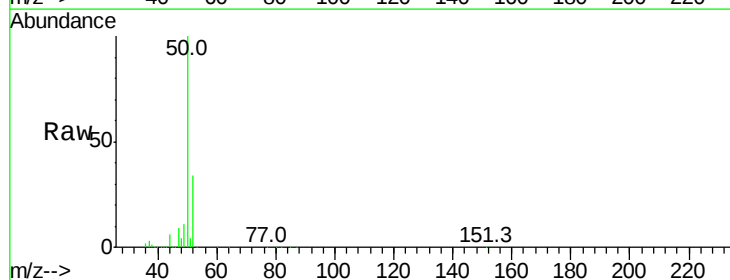
Acq: 18 Apr 2019 13:15

Tgt Ion: 50 Resp: 396505

Ion Ratio Lower Upper

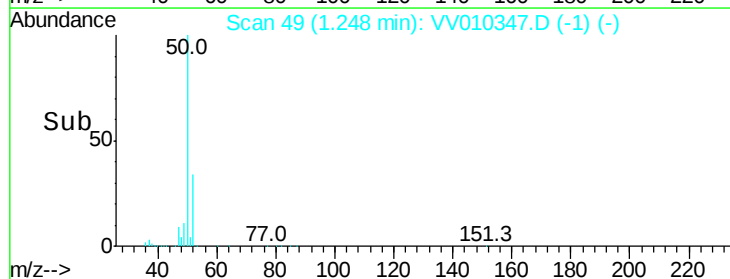
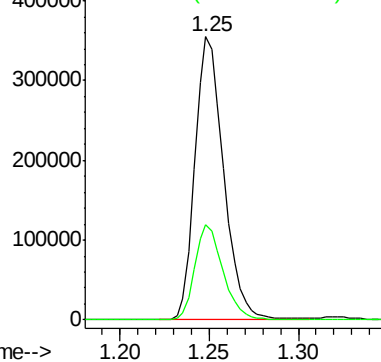
50 100

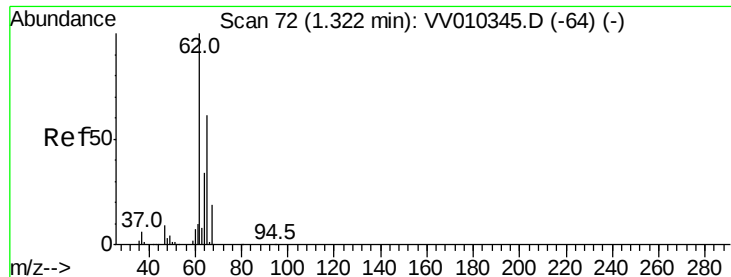
52 33.7 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 91.794 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV010347.D

Acq: 18 Apr 2019 13:15

Instrument :

MSVOA_V

ClientSampleId :

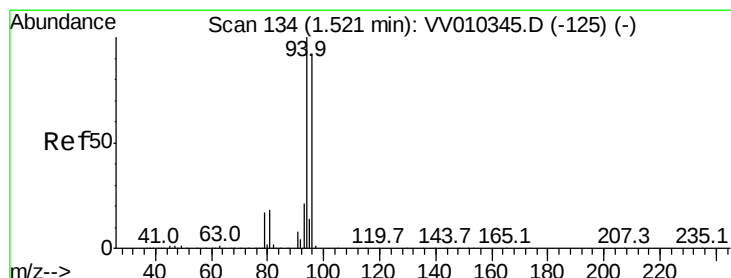
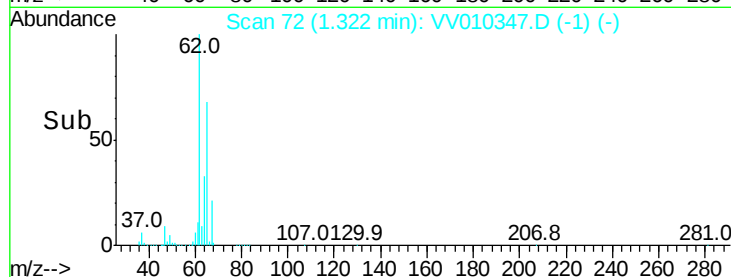
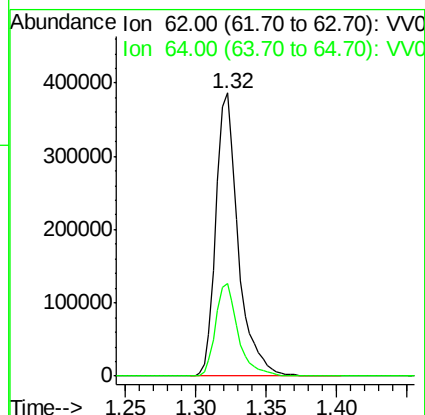
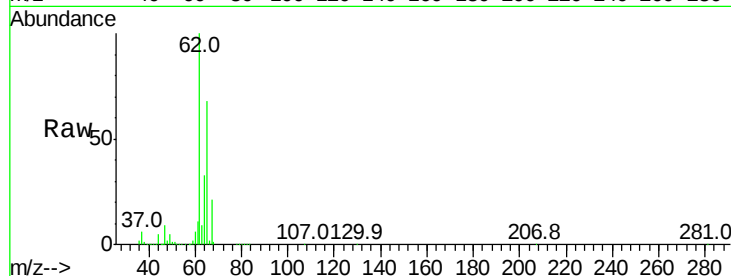
VSTD10005

Tgt Ion: 62 Resp: 421737

Ion Ratio Lower Upper

62 100

64 32.7 23.9 44.3



#6

Bromomethane

Concen: 69.588 ug/L

RT: 1.51 min Scan# 132

Delta R.T. -0.01 min

Lab File: VV010347.D

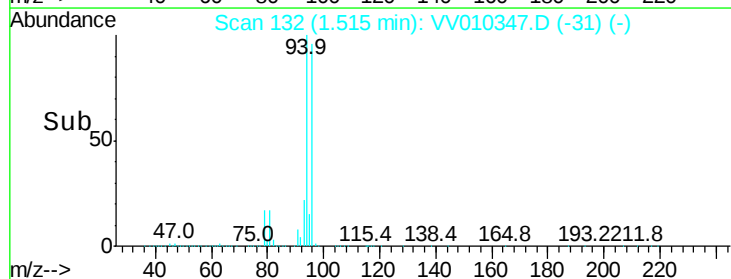
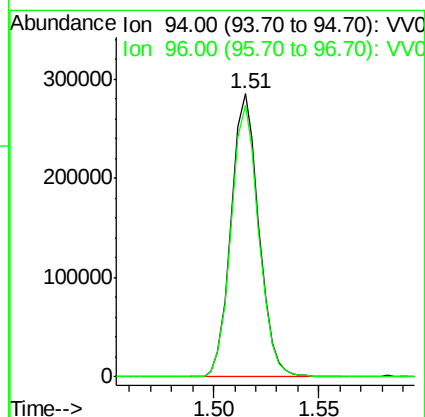
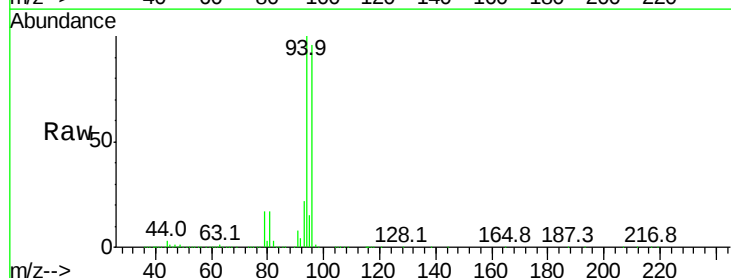
Acq: 18 Apr 2019 13:15

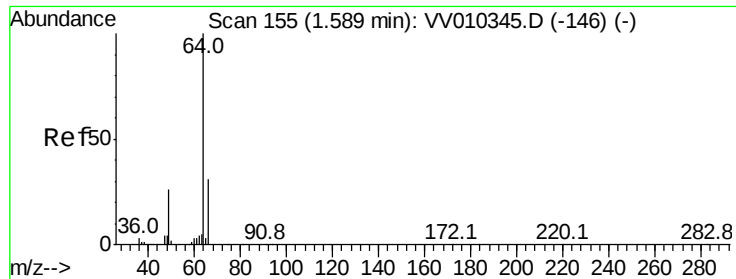
Tgt Ion: 94 Resp: 259123

Ion Ratio Lower Upper

94 100

96 95.9 9.3 177.1





#8

Chloroethane

Concen: 88.557 ug/L

RT: 1.58 min Scan# 152

Delta R.T. -0.01 min

Lab File: VV010347.D

Acq: 18 Apr 2019 13:15

Instrument :

MSVOA_V

ClientSampleId :

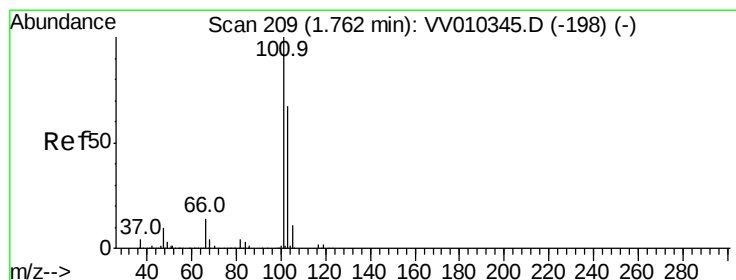
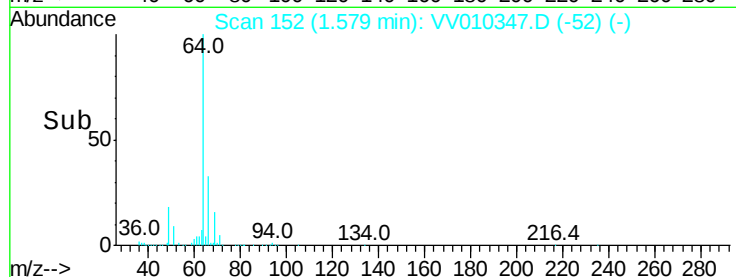
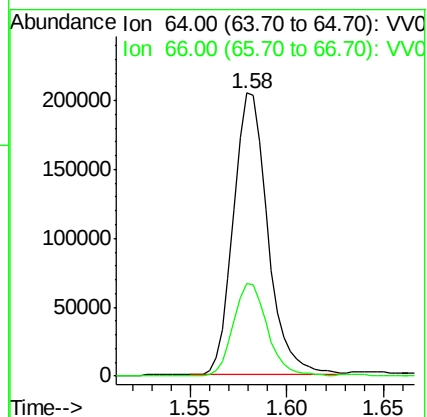
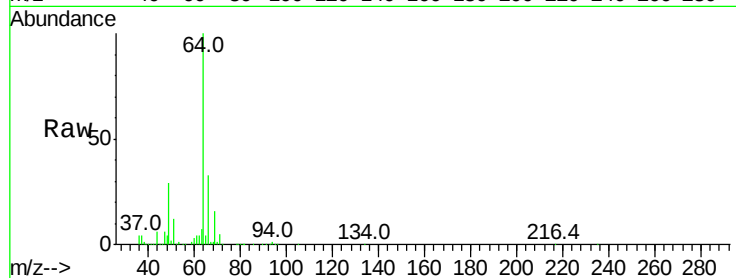
VSTD10005

Tgt Ion: 64 Resp: 253709

Ion Ratio Lower Upper

64 100

66 32.8 21.4 39.8



#9

Trichlorofluoromethane

Concen: 88.461 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.00 min

Lab File: VV010347.D

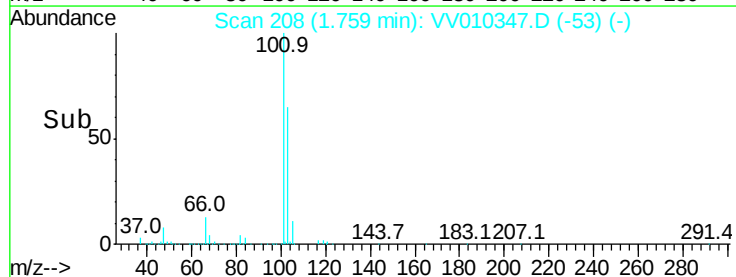
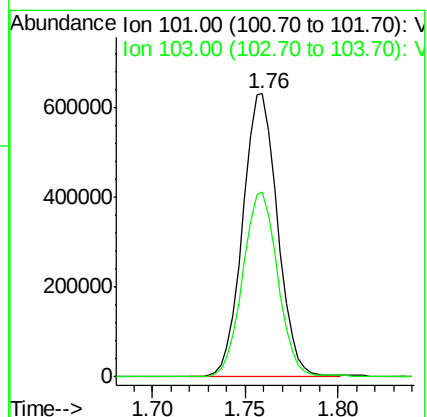
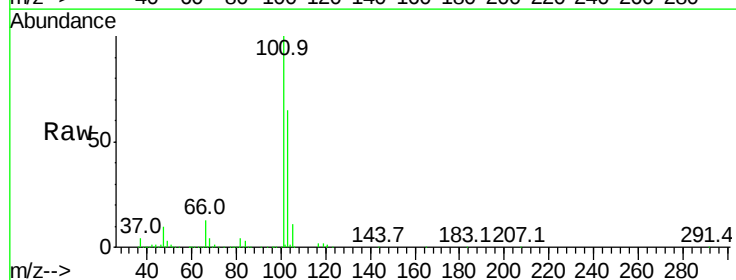
Acq: 18 Apr 2019 13:15

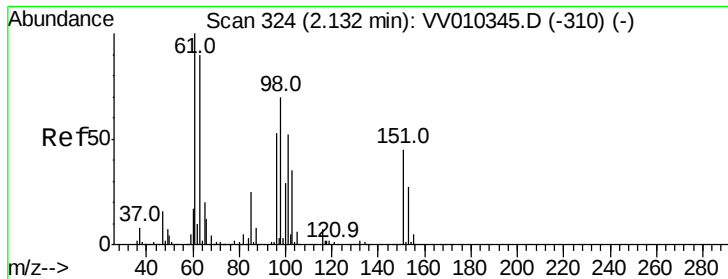
Tgt Ion: 101 Resp: 823134

Ion Ratio Lower Upper

101 100

103 65.8 45.5 84.5





#11

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

Concen: 87.482 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV010347.D

Acq: 18 Apr 2019 13:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD10005

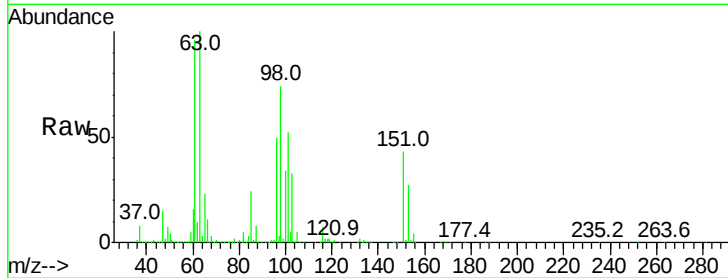
Tgt Ion:101 Resp: 435788

Ion Ratio Lower Upper

101 100

85 45.3 37.3 55.9

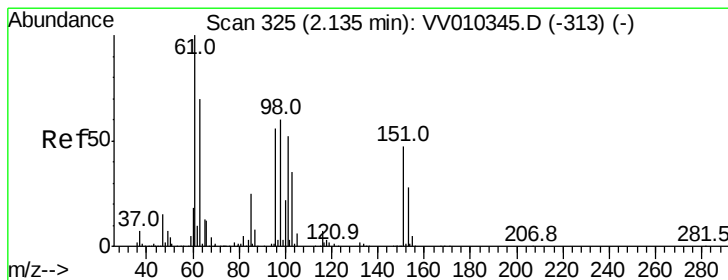
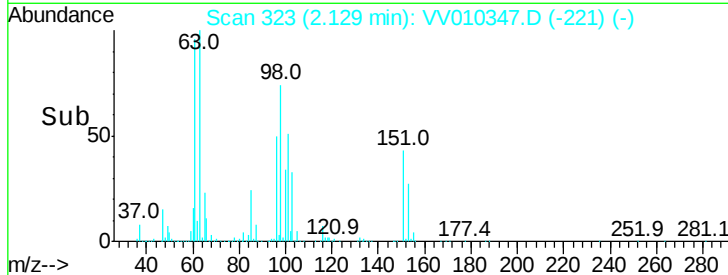
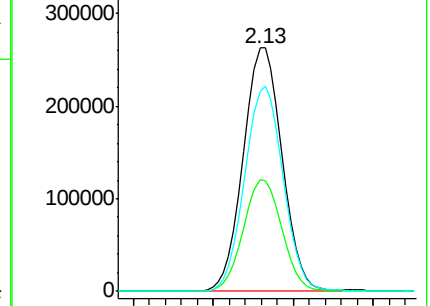
151 83.5 67.8 101.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 89.807 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV010347.D

Acq: 18 Apr 2019 13:15

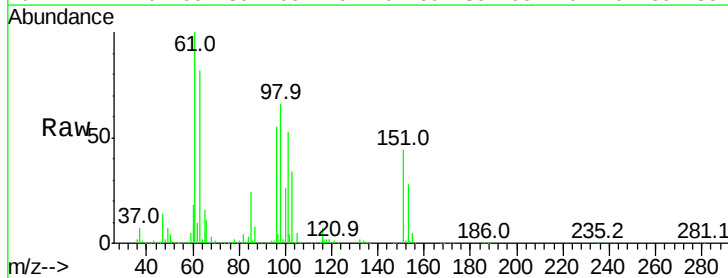
Tgt Ion: 96 Resp: 384983

Ion Ratio Lower Upper

96 100

61 181.5 124.7 231.5

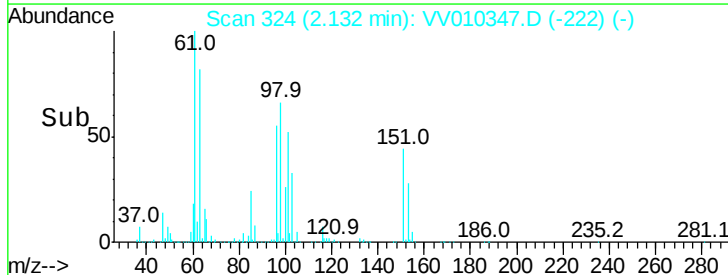
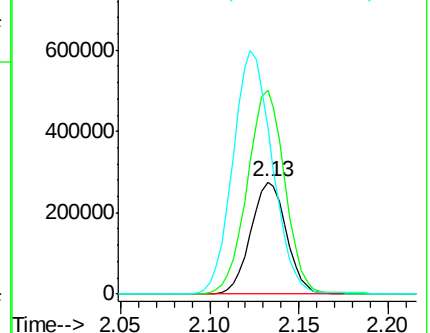
63 148.7 88.7 164.7

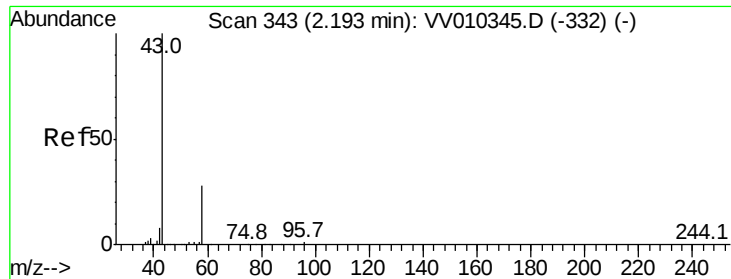


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 244.108 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.00 min

Lab File: VV010347.D

Acq: 18 Apr 2019 13:15

Instrument :

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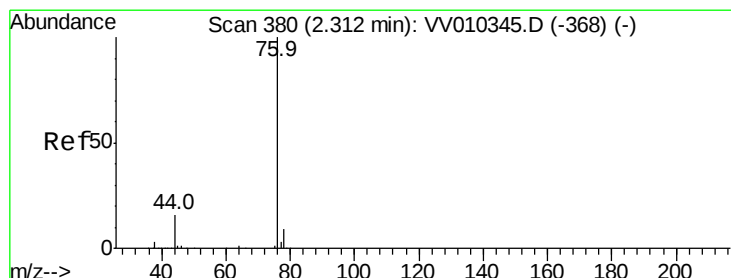
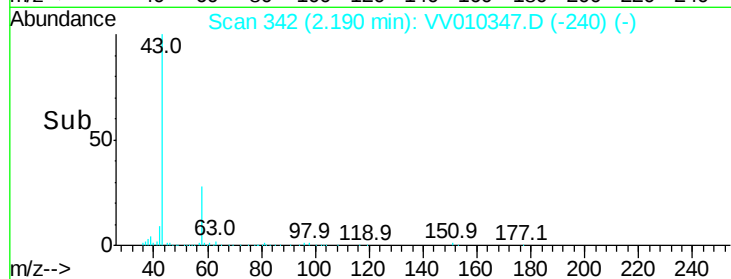
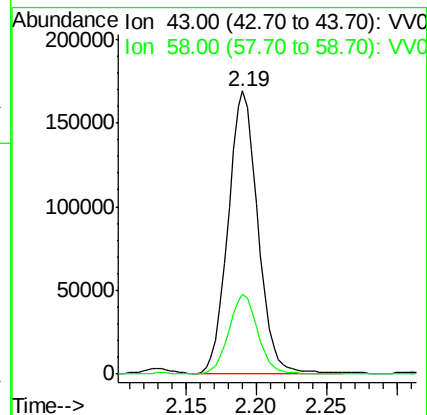
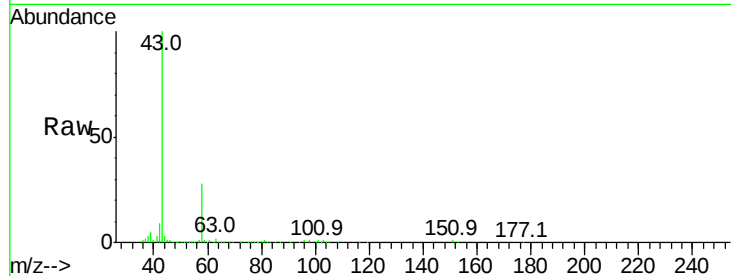
VSTD10005

Tgt Ion: 43 Resp: 246867

Ion Ratio Lower Upper

43 100

58 28.0 0.0 60.0



#14

Carbon disulfide

Concen: 93.198 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV010347.D

Acq: 18 Apr 2019 13:15

Tgt Ion: 76 Resp: 964830

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7

