

Data File : VV014648.D
Acq On : 21 Feb 2020 12:30
Operator : SY/MD
Sample : VSTD05063
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05063

Quant Time: Feb 21 22:32:07 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM022120WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 21 22:29:09 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	247372	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	231799	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	115643	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	45964	48.43	ug/L	0.00
7) Chloroethane-d5	1.59	69	33464	49.68	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	88523	54.13	ug/L	0.00
21) 2-Butanone-d5	3.95	46	94194	115.70	ug/L	0.00
24) Chloroform-d	4.40	84	158785	55.49	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	102324	57.17	ug/L	0.00
32) Benzene-d6	5.10	84	314644	55.13	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	90854	53.32	ug/L	0.00
41) Toluene-d8	7.35	98	301951	55.01	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	49922	53.17	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	75943	110.09	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.25	84	129012	55.08	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	112940	53.76	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	85851	48.639 ug/L	100
3) Chloromethane	1.25	50	42079	29.119 ug/L	100
5) Vinyl chloride	1.32	62	43406	40.516 ug/L	100
6) Bromomethane	1.54	94	27910	51.151 ug/L	100
8) Chloroethane	1.60	64	21978	40.693 ug/L	100
9) Trichlorofluoromethane	1.77	101	95455	49.386 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	40908	49.684 ug/L	100
12) 1,1-Dichloroethene	2.14	96	36273	47.729 ug/L	100
13) Acetone	2.21	43	81834	114.556 ug/L	100
14) Carbon disulfide	2.32	76	162971	44.494 ug/L	100
15) Methyl Acetate	2.47	43	61460	47.758 ug/L	100
16) Methylene chloride	2.54	84	76675	48.141 ug/L	100
17) trans-1,2-Dichloroethene	2.79	96	71938	48.045 ug/L	100
18) Methyl tert-butyl Ether	2.80	73	242488	50.021 ug/L	100
19) 1,1-Dichloroethane	3.23	63	127600	48.493 ug/L	100
20) cis-1,2-Dichloroethene	3.96	96	84458	48.691 ug/L	100
22) 2-Butanone	4.03	43	104961	102.640 ug/L	100
23) Bromochloromethane	4.30	128	43249	50.791 ug/L	100
25) Chloroform	4.42	83	150566	51.180 ug/L	100
27) 1,2-Dichloroethane	5.18	62	112308	51.668 ug/L	100
29) Cyclohexane	4.72	56	106768	46.379 ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	131614	51.485 ug/L	100
31) Carbon tetrachloride	4.87	117	116225	50.395 ug/L	100
33) Benzene	5.14	78	293842	48.364 ug/L	100
34) Trichloroethene	5.96	95	81720	49.423 ug/L	100
35) Methylcyclohexane	6.17	83	125215	48.522 ug/L	100
37) 1,2-Dichloropropane	6.22	63	73186	48.743 ug/L	100
38) Bromodichloromethane	6.55	83	111218	49.863 ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	131098	49.336 ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	184061	98.790 ug/L	100

Data File : VV014648.D
Acq On : 21 Feb 2020 12:30
Operator : SY/MD
Sample : VSTD05063
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05063

Quant Time: Feb 21 22:32:07 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM022120WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 21 22:29:09 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	321145	48.449	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	119776	49.701	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	78177	49.931	ug/L	100
46) Tetrachloroethene	8.02	164	61995	48.044	ug/L	100
48) 2-Hexanone	8.18	43	148427	101.064	ug/L	100
49) Dibromochloromethane	8.29	129	93155	49.935	ug/L	100
50) 1,2-Dibromoethane	8.39	107	84609	49.924	ug/L	100
51) Chlorobenzene	8.92	112	214027	48.246	ug/L	100
52) Ethylbenzene	9.05	91	366328	48.641	ug/L	100
53) m,p-Xylene	9.18	106	142727	48.412	ug/L	100
54) o-xylene	9.58	106	137654	48.865	ug/L	100
55) Styrene	9.60	104	234783	48.682	ug/L	100
56) Isopropylbenzene	9.97	105	367399	48.970	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	121388	49.267	ug/L	100
59) 1,2,3-Trichloropropane	10.31	75	98443	50.346	ug/L	100
61) Bromoform	9.77	173	63631	50.325	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	172776	49.174	ug/L	100
63) 1,4-Dichlorobenzene	11.31	146	172780	48.514	ug/L	100
65) 1,2-Dichlorobenzene	11.68	146	170435	49.226	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	29580	51.746	ug/L	100
67) 1,3,5-Trichlorobenzene	12.68	180	125844	49.477	ug/L	100
68) 1,2,4-trichlorobenzene	13.30	180	117852	50.121	ug/L	100
69) Naphthalene	13.54	128	394900	52.439	ug/L	100
70) 1,2,3-Trichlorobenzene	13.78	180	119088	52.039	ug/L	100

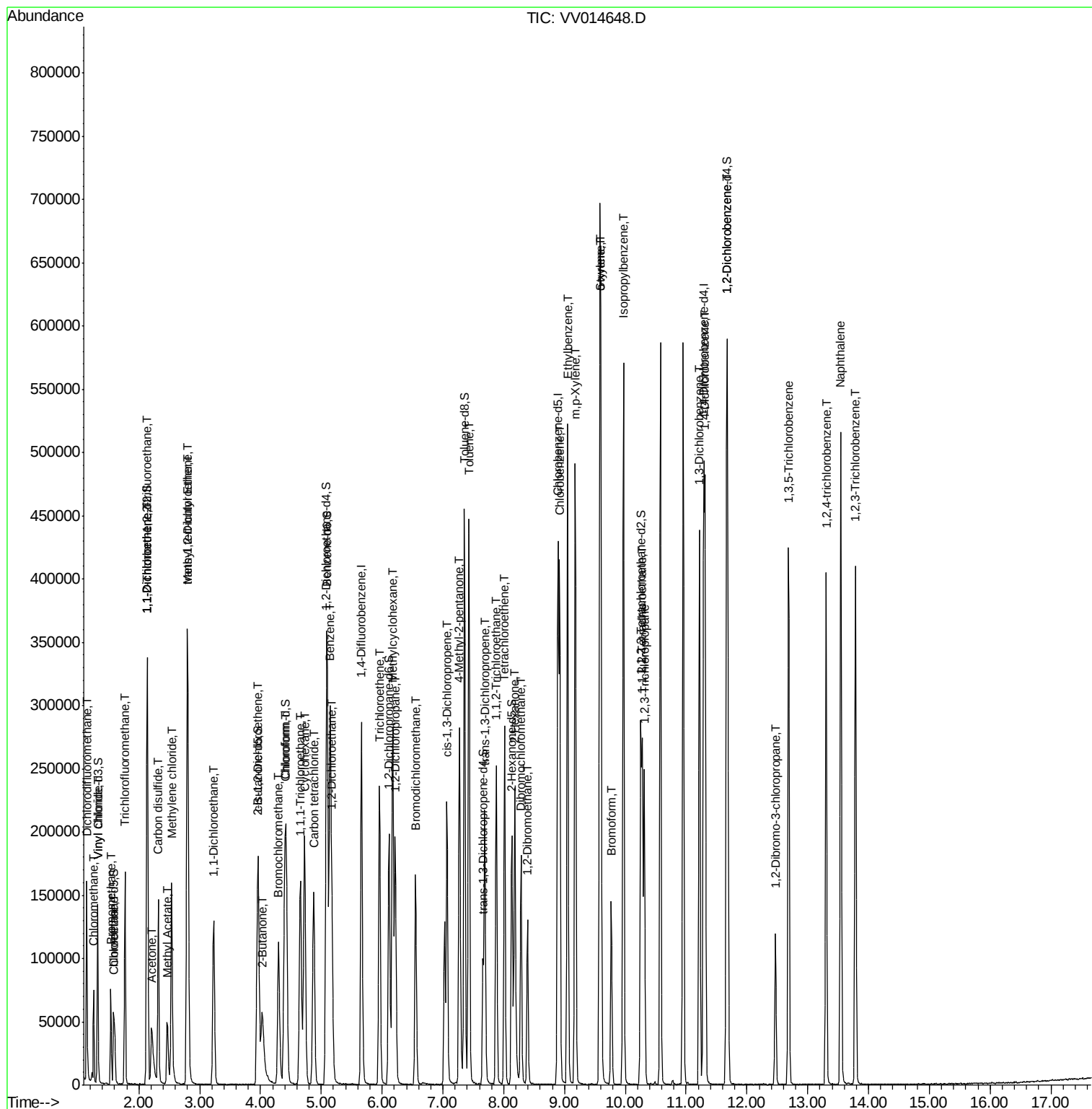
(#) = qualifier out of range (m) = manual integration (+) = signals summed

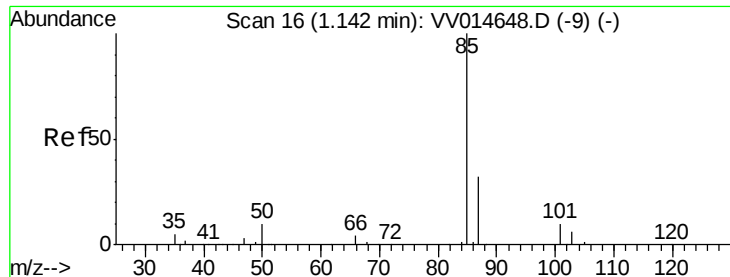
Data File : VV014648.D

```
Acq On       : 21 Feb 2020   12:30
Operator     : SY/MD
Sample       : VSTD05063
Misc         : 5.0mL/MSV0A_V/WATER
ALS Vial     : 5      Sample Multiplier: 1
```

Instrument :
MSVOA_V
ClientSampleId :
VSTD05063

Quant Time: Feb 21 22:32:07 2020
Quant Method : Z:\V\OASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM022120WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 21 22:29:09 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 48.639 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV014648.D

Acq: 21 Feb 2020 12:30

Instrument :

MSVOA_V

ClientSampleId :

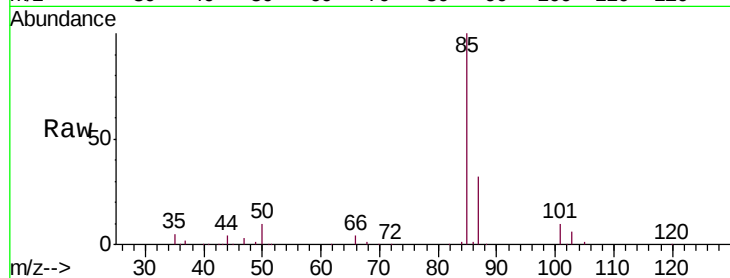
VSTD05063

Tgt Ion: 85 Resp: 85851

Ion Ratio Lower Upper

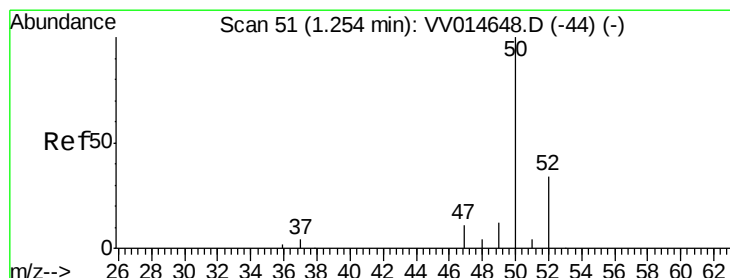
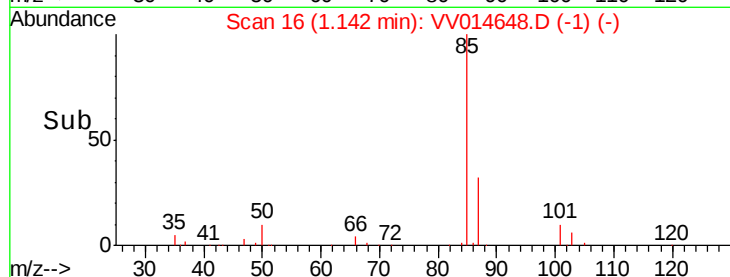
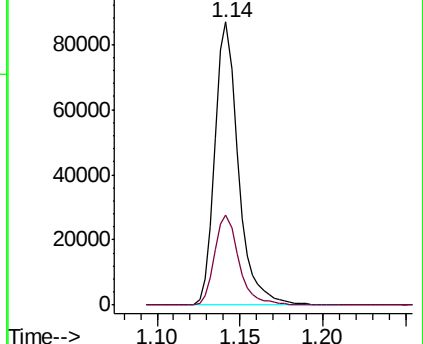
85 100

87 32.8 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VV014648.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VV014648.D (-9) (-)



#3

Chloromethane

Concen: 29.119 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV014648.D

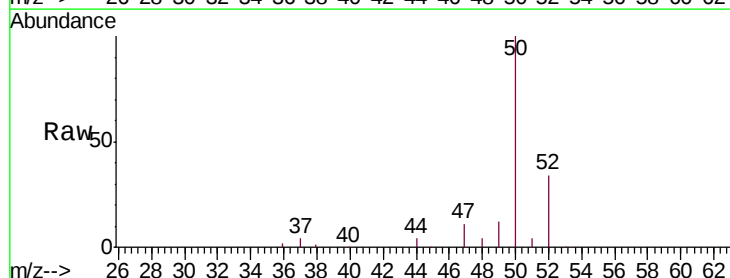
Acq: 21 Feb 2020 12:30

Tgt Ion: 50 Resp: 42079

Ion Ratio Lower Upper

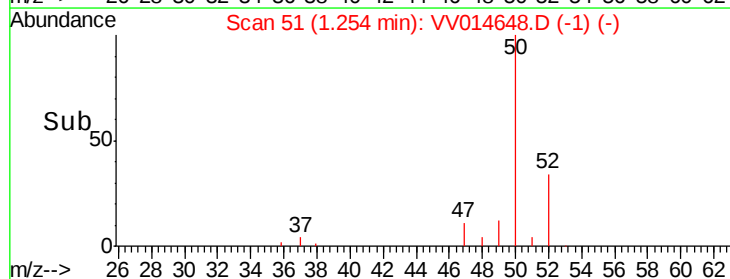
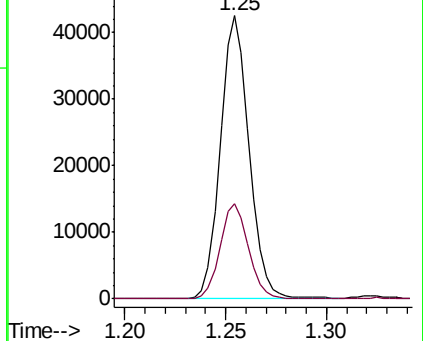
50 100

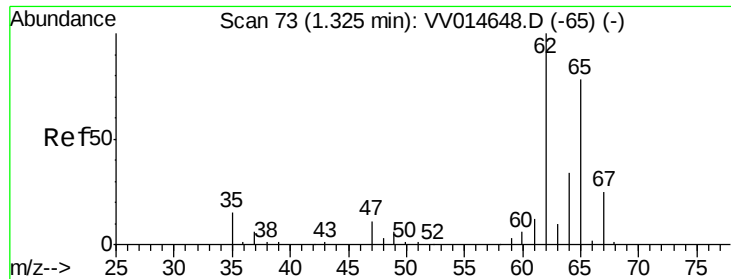
52 33.8 23.7 43.9



Abundance Ion 50.00 (49.70 to 50.70): VV014648.D (-44) (-)

Ion 52.00 (51.70 to 52.70): VV014648.D (-44) (-)

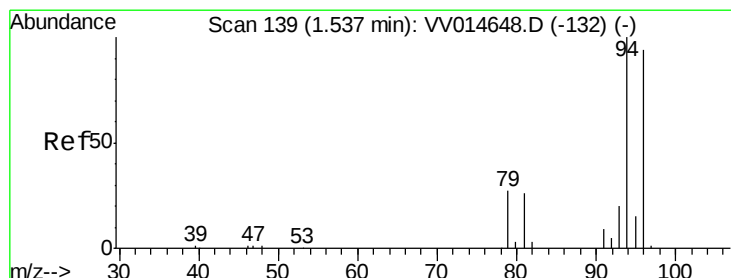
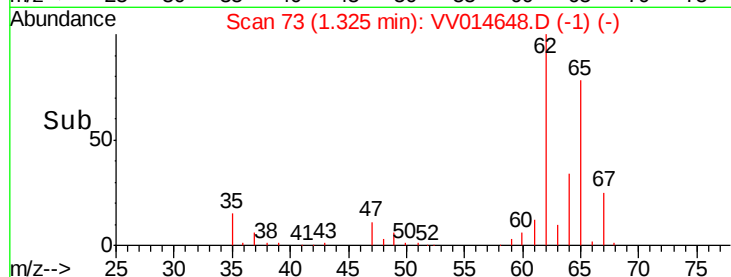
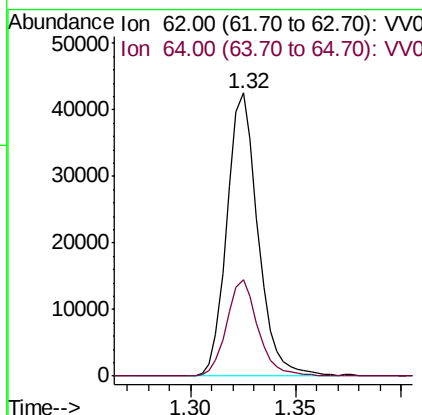
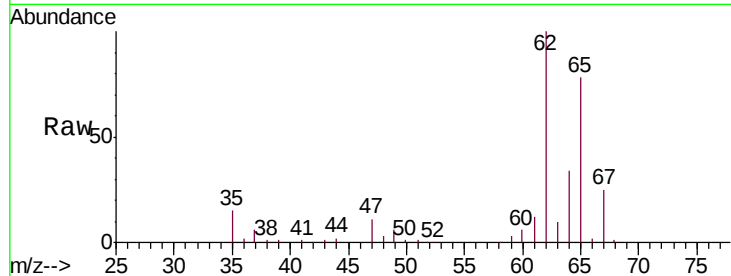




#5
 Vinyl chloride
 Concen: 40.516 ug/L
 RT: 1.32 min Scan# 73
 Delta R.T. 0.00 min
 Lab File: VV014648.D
 Acq: 21 Feb 2020 12:30

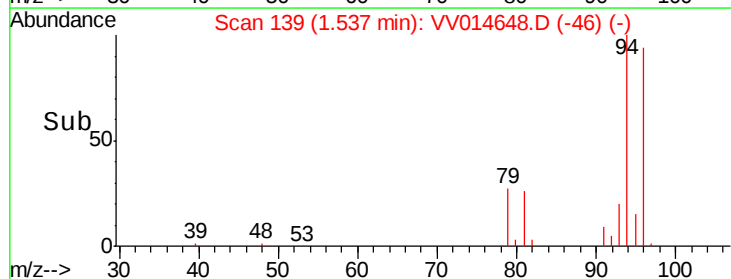
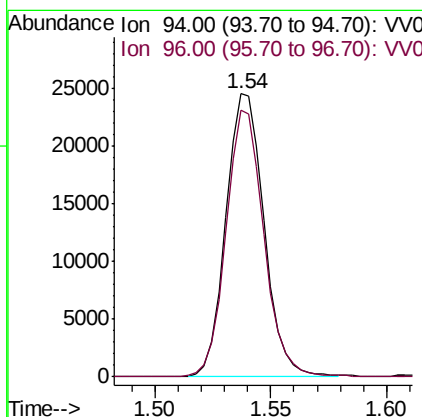
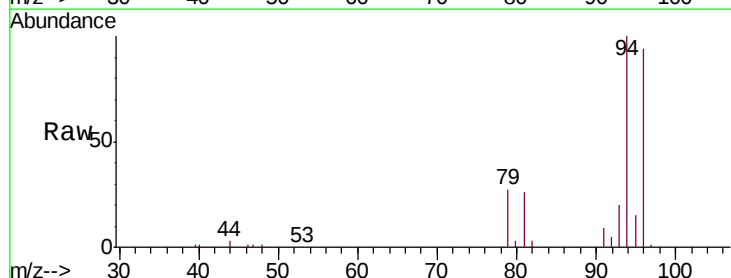
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05063

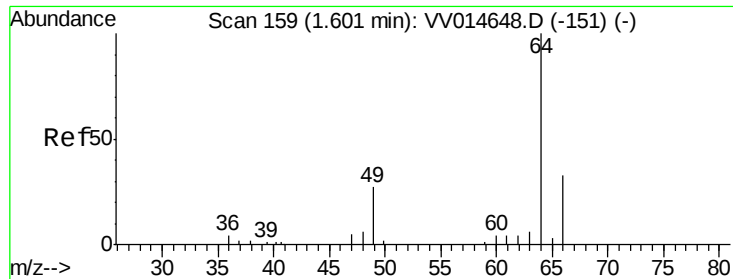
Tgt Ion: 62 Resp: 43406
 Ion Ratio Lower Upper
 62 100
 64 34.0 23.8 44.2



#6
 Bromomethane
 Concen: 51.151 ug/L
 RT: 1.54 min Scan# 139
 Delta R.T. 0.00 min
 Lab File: VV014648.D
 Acq: 21 Feb 2020 12:30

Tgt Ion: 94 Resp: 27910
 Ion Ratio Lower Upper
 94 100
 96 94.4 66.1 122.7





#8

Chloroethane

Concen: 40.693 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV014648.D

Acq: 21 Feb 2020 12:30

Instrument :

MSVOA_V

ClientSampleId :

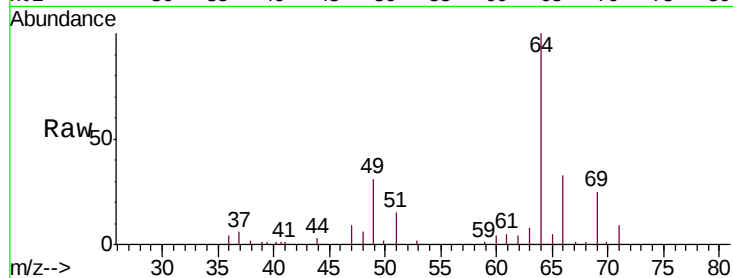
VSTD05063

Tgt Ion: 64 Resp: 21978

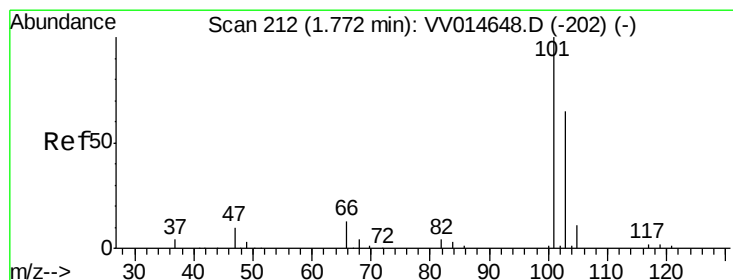
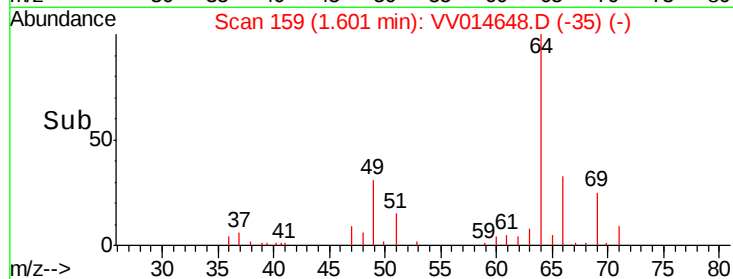
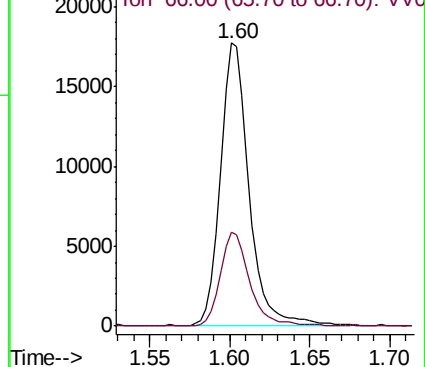
Ion Ratio Lower Upper

64 100

66 33.2 23.2 43.2



Abundance Ion 64.00 (63.70 to 64.70): VV014648.D (-151) (-)



#9

Trichlorofluoromethane

Concen: 49.386 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV014648.D

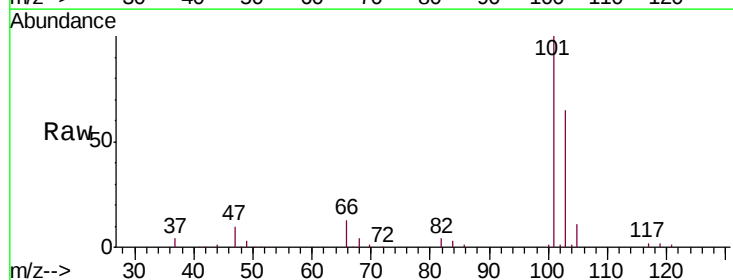
Acq: 21 Feb 2020 12:30

Tgt Ion: 101 Resp: 95455

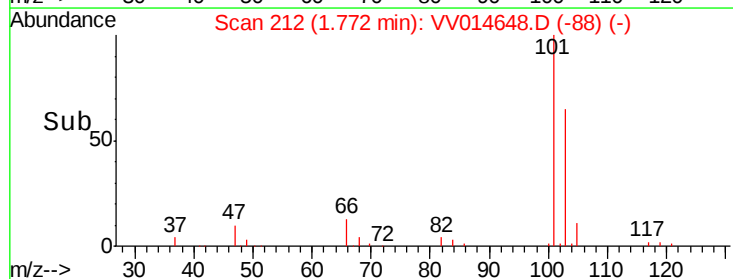
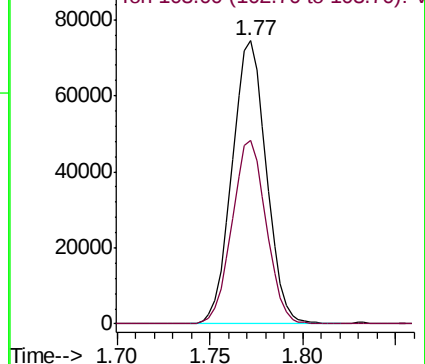
Ion Ratio Lower Upper

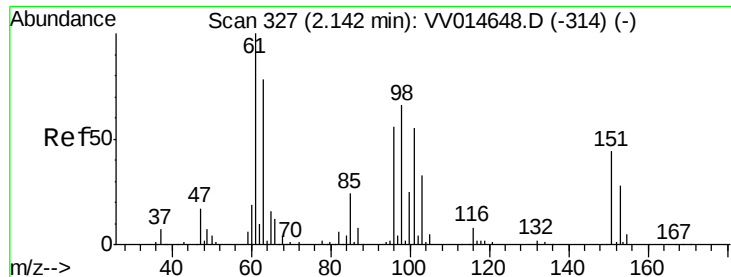
101 100

103 64.7 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV014648.D (-202) (-)





#10

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

Concen: 49.684 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014648.D

Acq: 21 Feb 2020 12:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD05063

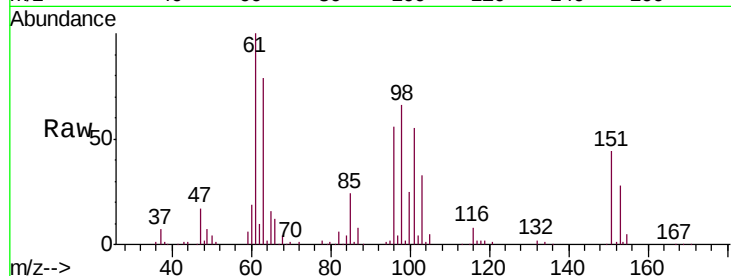
Tgt Ion: 101 Resp: 40908

Ion Ratio Lower Upper

101 100

85 46.6 37.3 55.9

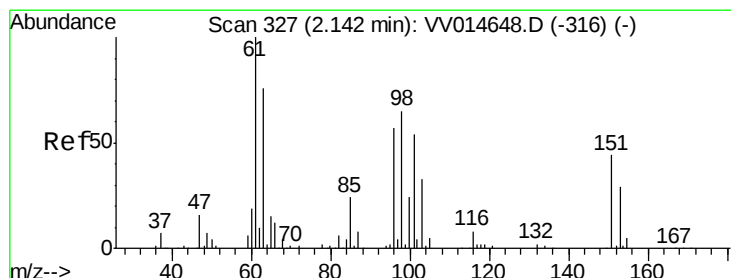
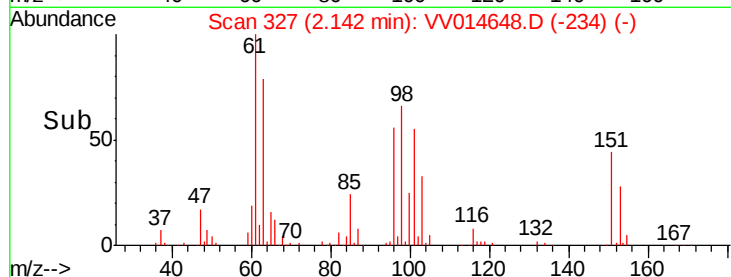
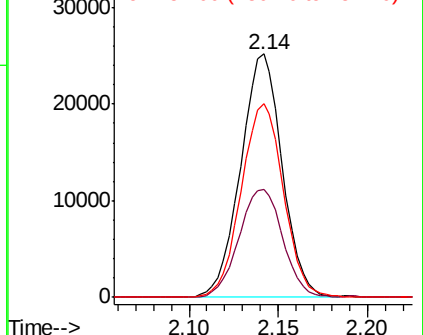
151 80.7 64.6 96.8



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: 47.729 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014648.D

Acq: 21 Feb 2020 12:30

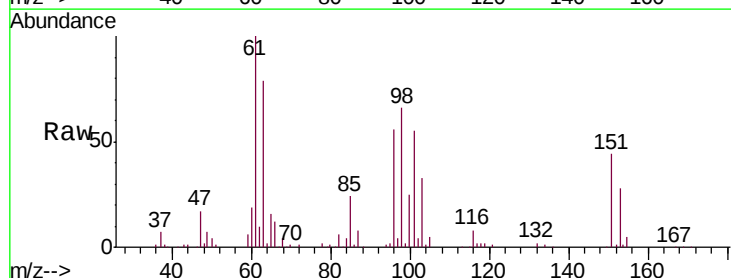
Tgt Ion: 96 Resp: 36273

Ion Ratio Lower Upper

96 100

61 177.8 124.5 231.1

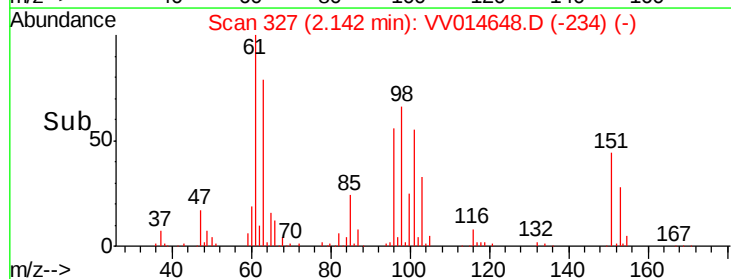
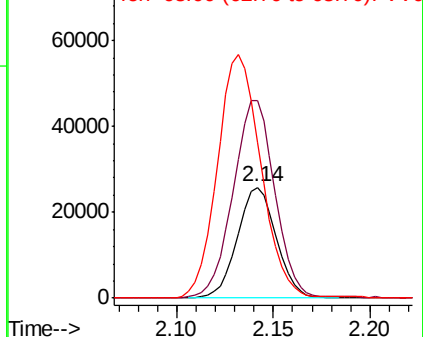
63 140.1 98.1 182.1

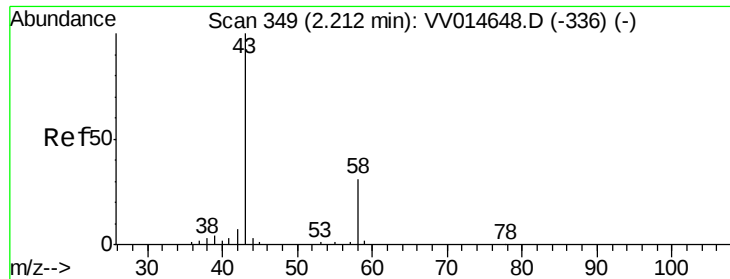


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 114.556 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.00 min

Lab File: VV014648.D

Acq: 21 Feb 2020 12:30

Instrument :

MSVOA_V

ClientSampleId :

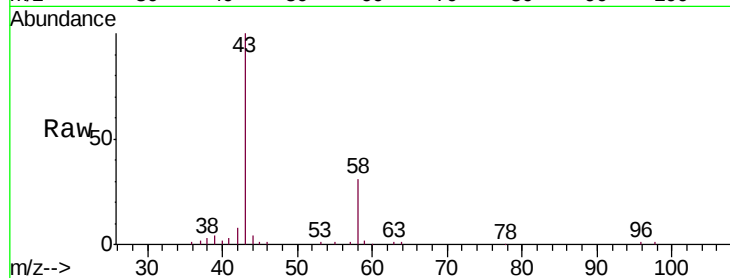
VSTD05063

Tgt Ion: 43 Resp: 81834

Ion Ratio Lower Upper

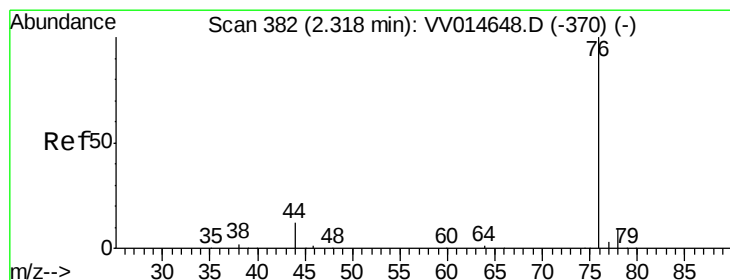
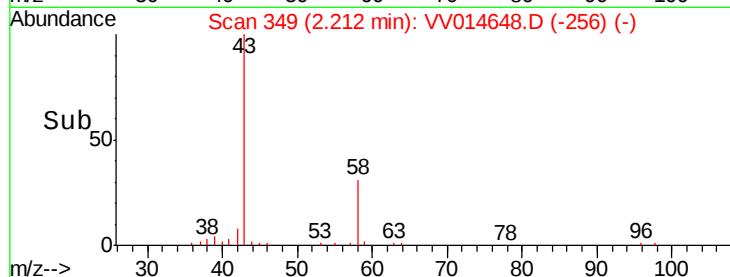
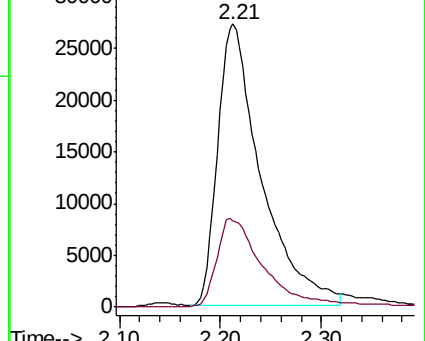
43 100

58 33.4 0.0 66.8



Abundance Ion 43.00 (42.70 to 43.70): VV014648.D (-336) (-)

Ion 58.00 (57.70 to 58.70): VV014648.D (-336) (-)



#14

Carbon disulfide

Concen: 44.494 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV014648.D

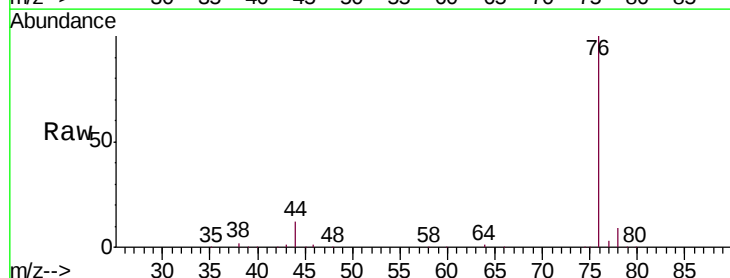
Acq: 21 Feb 2020 12:30

Tgt Ion: 76 Resp: 162971

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV014648.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV014648.D (-370) (-)

