

Data File : VV007644.D
Acq On : 20 Sep 2018 09:18
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFB61

Quant Time: Sep 21 01:35:57 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091918WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 20 07:48:21 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	114223	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	106445	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	59703	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	23879	5.09	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.80%
7) Chloroethane-d5	1.58	69	22218	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.80%
11) 1,1-Dichloroethene-d2	2.13	63	64119	5.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	103.00%
20) 2-Butanone-d5	3.98	46	61074	51.00	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.00%
24) Chloroform-d	4.40	84	57006	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
26) 1,2-Dichloroethane-d4	5.09	65	28865	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.40%
32) Benzene-d6	5.10	84	108443	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.80%
36) 1,2-Dichloropropane-d6	6.12	67	31482	5.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.20%
41) Toluene-d8	7.36	98	109622	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
43) trans-1,3-Dichloropropene-	7.67	79	13414	5.36	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	107.20%
46) 2-Hexanone-d5	8.14	63	48380	49.60	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.20%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	26304	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	49223	4.99	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	45117	4.911	ug/L 100
3) Chloromethane	1.25	50	34529	4.844	ug/L 98
5) Vinyl chloride	1.32	62	41205	4.963	ug/L 99
6) Bromomethane	1.54	94	31222	5.601	ug/L 100
8) Chloroethane	1.60	64	25346	4.691	ug/L 99
9) Trichlorofluoromethane	1.77	101	85377	4.918	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	47365	5.015	ug/L 96
12) 1,1-Dichloroethene	2.14	96	41962	5.042	ug/L 95
13) Acetone	2.23	43	54618	47.342	ug/L 96
14) Carbon disulfide	2.32	76	116110	5.234	ug/L 100
15) Methyl Acetate	2.48	43	13652	4.800	ug/L 98
16) Methylene chloride	2.54	84	40878	4.839	ug/L 99
17) Methyl tert-butyl Ether	2.81	73	96548	4.957	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	45599	4.987	ug/L 98
19) 1,1-Dichloroethane	3.23	63	57554	4.640	ug/L 100
21) 2-Butanone	4.06	43	70086	48.162	ug/L 97
22) cis-1,2-Dichloroethene	3.96	96	39912	4.942	ug/L 99

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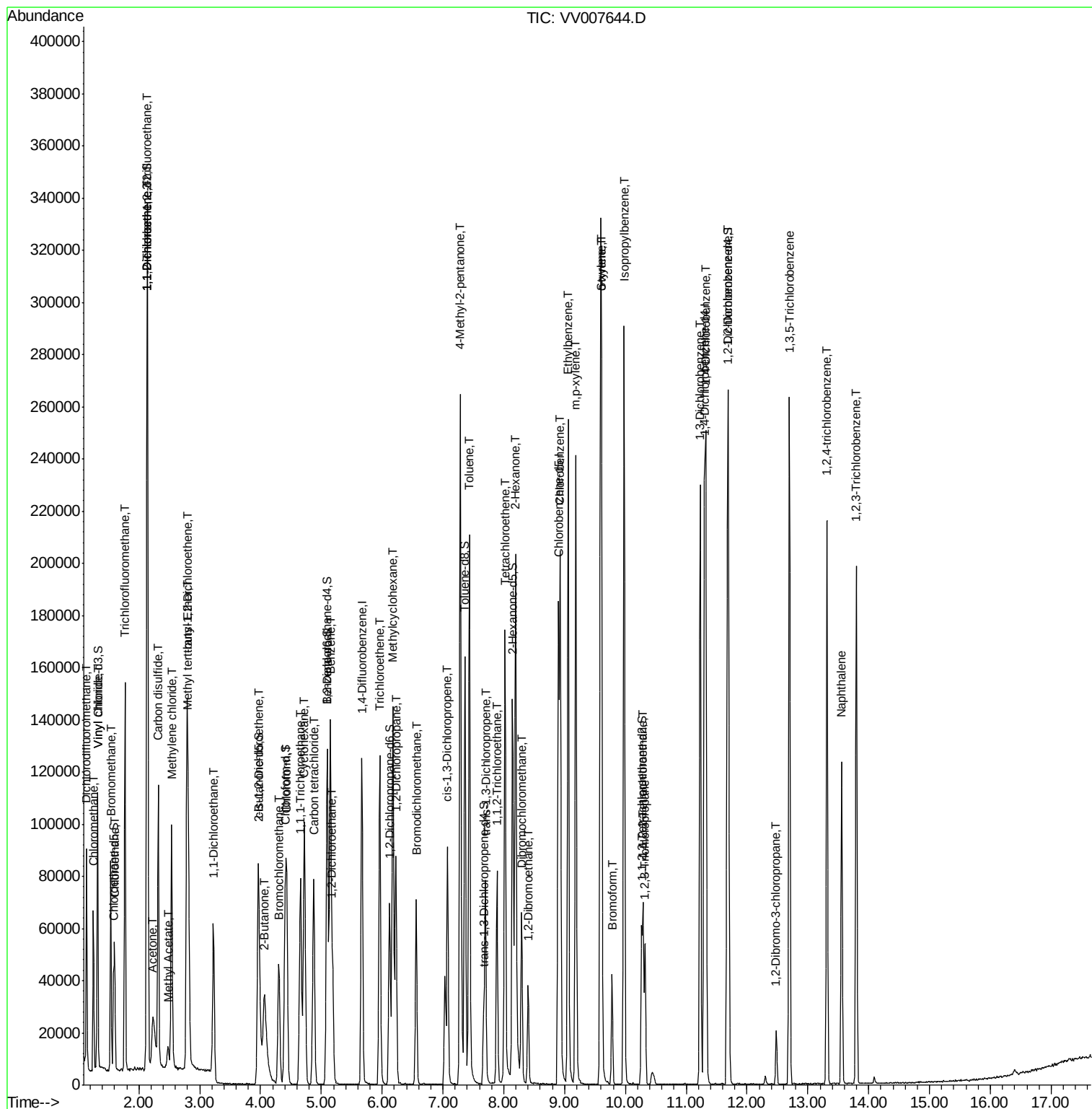
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	17809	4.845	ug/L	95
25) Chloroform	4.43	83	66787	5.042	ug/L	98
27) 1,2-Dichloroethane	5.19	62	39278	4.906	ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	63362	5.013	ug/L	99
30) Cyclohexane	4.72	56	53061	4.920	ug/L	98
31) Carbon tetrachloride	4.87	117	58683	5.075	ug/L	98
33) Benzene	5.15	78	138406	4.896	ug/L	100
34) Trichloroethene	5.96	95	41413	4.980	ug/L	96
35) Methylcyclohexane	6.18	83	62574	4.874	ug/L	98
37) 1,2-Dichloropropane	6.22	63	31373	4.595	ug/L	100
38) Bromodichloromethane	6.56	83	44434	4.933	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	50131	5.075	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	180288	48.817	ug/L	99
42) Toluene	7.43	91	159789	4.963	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	41062	5.122	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	25457	4.845	ug/L	96
47) Tetrachloroethene	8.02	164	40611	4.970	ug/L	98
48) 2-Hexanone	8.19	43	130150	49.759	ug/L	97
49) Dibromochloromethane	8.29	129	33054	5.054	ug/L	97
50) 1,2-Dibromoethane	8.40	107	24168	4.852	ug/L #	99
51) Chlorobenzene	8.93	112	110604	4.954	ug/L	98
52) Ethylbenzene	9.06	91	178125	4.894	ug/L	98
53) m,p-xylene	9.18	106	70189	4.906	ug/L	100
54) o-xylene	9.59	106	69041	4.904	ug/L	97
55) Styrene	9.61	104	114459	4.974	ug/L	99
56) Isopropylbenzene	9.98	105	190801	4.981	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	28965	4.830	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	20508	4.902	ug/L	99
61) Bromoform	9.78	173	18633	4.839	ug/L	96
62) 1,3-Dichlorobenzene	11.23	146	97896	4.939	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	97443	4.890	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	89592	4.805	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	4584	5.405	ug/L #	79
67) 1,3,5-Trichlorobenzene	12.70	180	85024	4.951	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	70504	5.035	ug/L	99
69) Naphthalene	13.56	128	98782	4.722	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	63105	4.894	ug/L	97

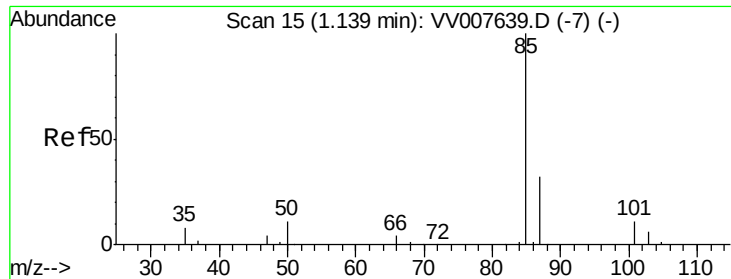
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.911 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV007644.D

Acq: 20 Sep 2018 09:18

Instrument :

MSVOA_V

ClientSampleId :

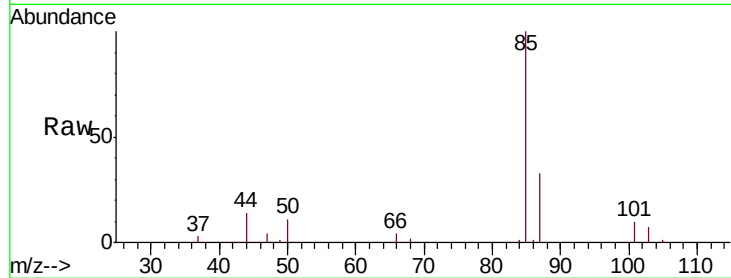
BFB61

Tgt Ion: 85 Resp: 45117

Ion Ratio Lower Upper

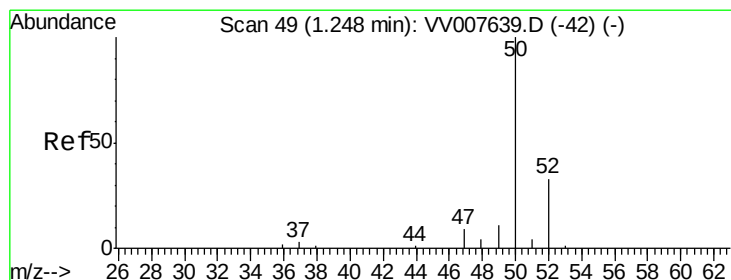
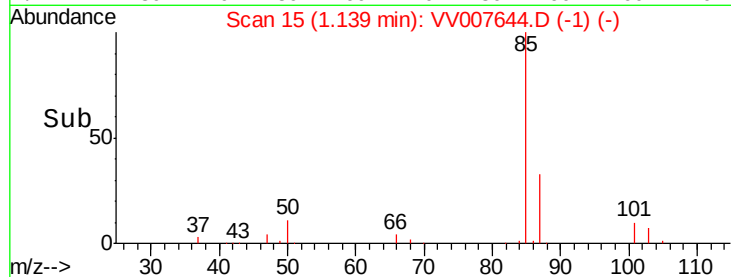
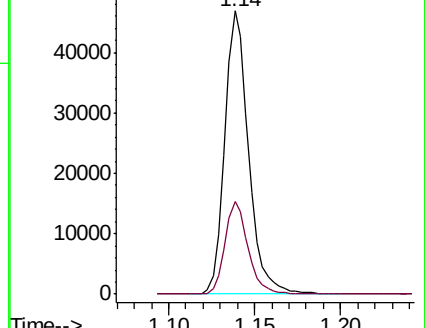
85 100

87 31.7 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV007639.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV007639.D (-7) (-)



#3

Chloromethane

Concen: 4.844 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV007644.D

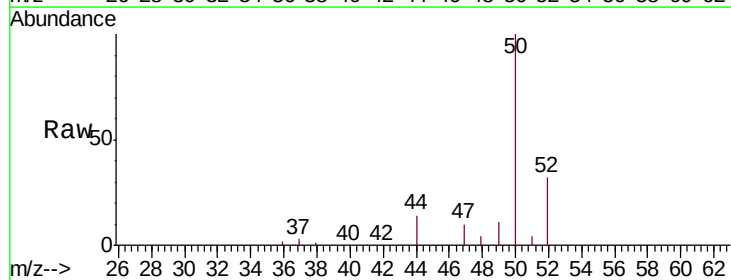
Acq: 20 Sep 2018 09:18

Tgt Ion: 50 Resp: 34529

Ion Ratio Lower Upper

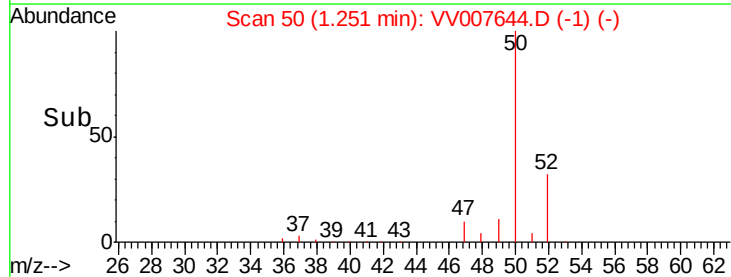
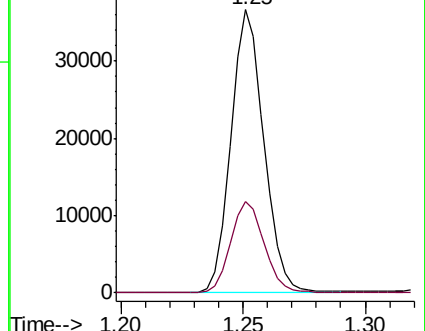
50 100

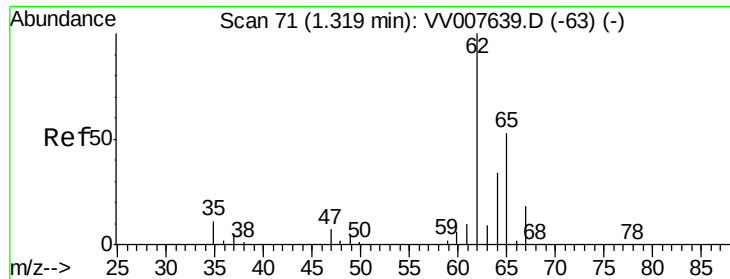
52 32.3 23.2 43.2



Abundance Ion 50.05 (49.75 to 50.75): VV007639.D (-42) (-)

Ion 52.05 (51.75 to 52.75): VV007639.D (-42) (-)





#5

Vinyl chloride

Concen: 4.963 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV007644.D

Acq: 20 Sep 2018 09:18

Instrument :

MSVOA_V

ClientSampleId :

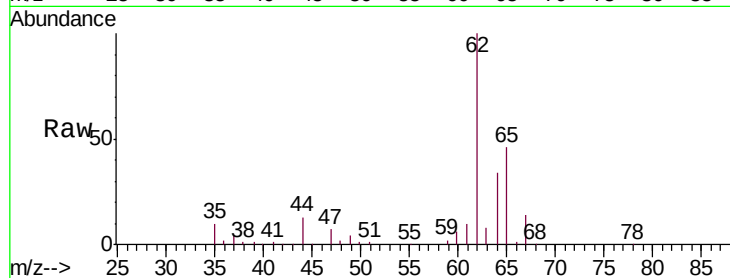
BFB61

Tgt Ion: 62 Resp: 41205

Ion Ratio Lower Upper

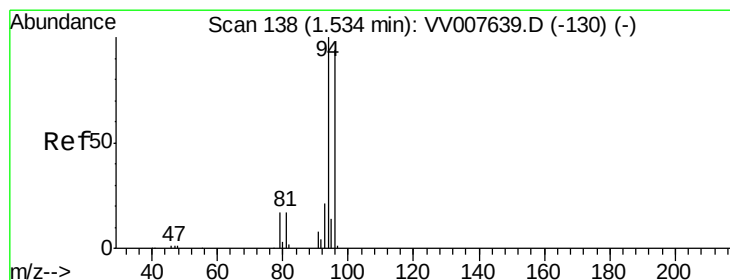
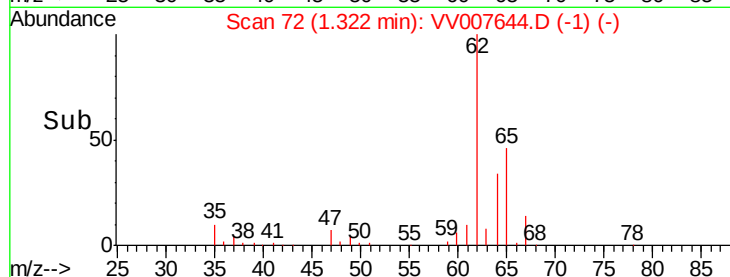
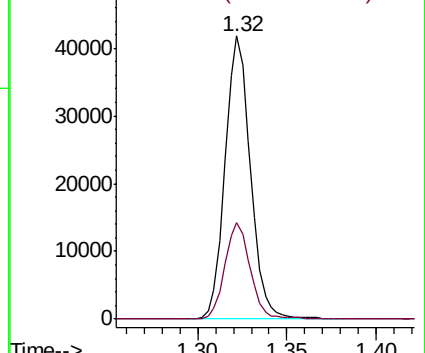
62 100

64 34.0 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 5.601 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV007644.D

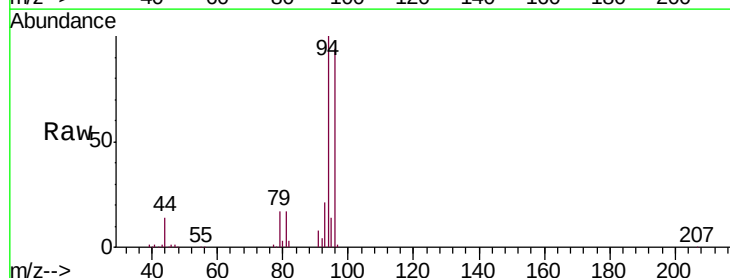
Acq: 20 Sep 2018 09:18

Tgt Ion: 94 Resp: 31222

Ion Ratio Lower Upper

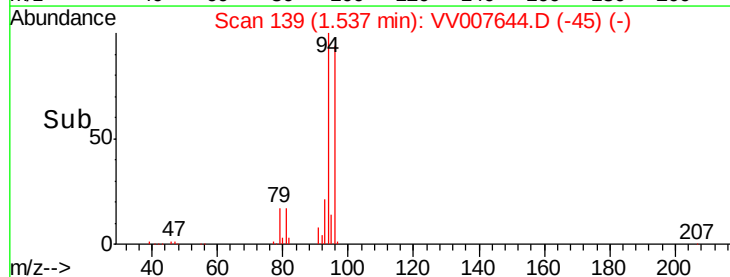
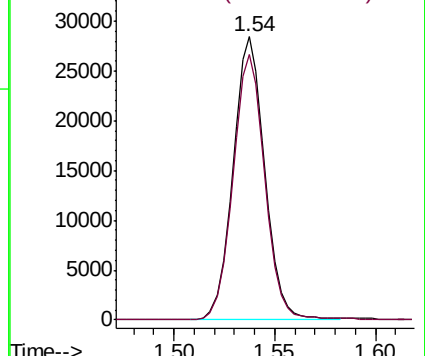
94 100

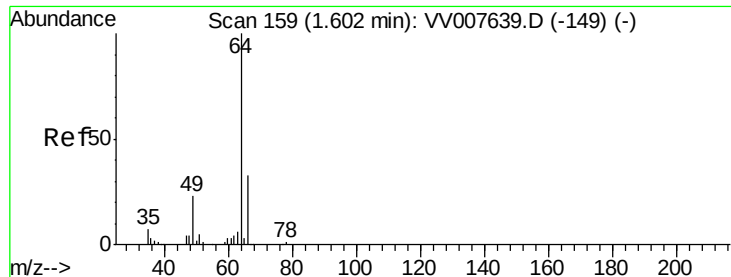
96 93.8 65.6 121.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 4.691 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV007644.D

Acq: 20 Sep 2018 09:18

Instrument :

MSVOA_V

ClientSampleId :

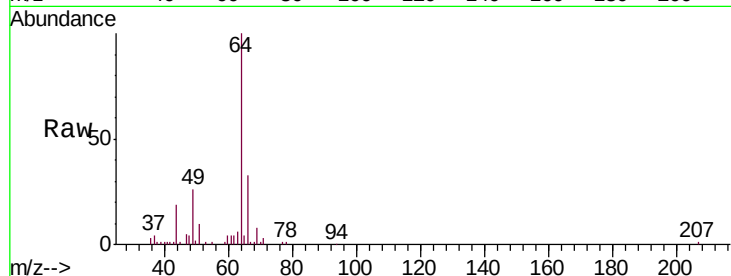
BFB61

Tgt Ion: 64 Resp: 25346

Ion Ratio Lower Upper

64 100

66 32.6 23.4 43.4



Abundance Ion 64.10 (63.80 to 64.80): VV007639.D (-149) (-)

Ion 66.05 (65.75 to 66.75): VV007644.D (-66) (-)

25000

20000

15000

10000

5000

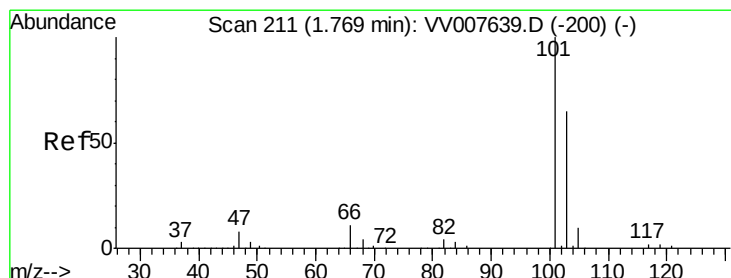
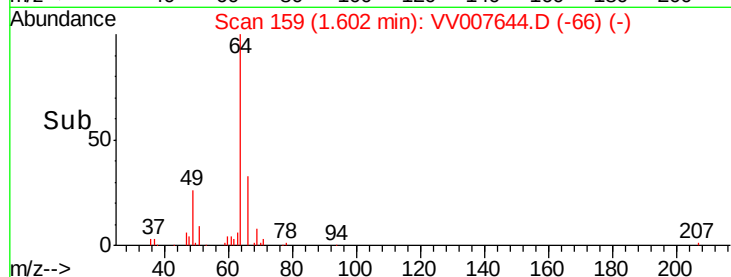
0

1.55

1.60

1.65

Time-->



#9

Trichlorofluoromethane

Concen: 4.918 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV007644.D

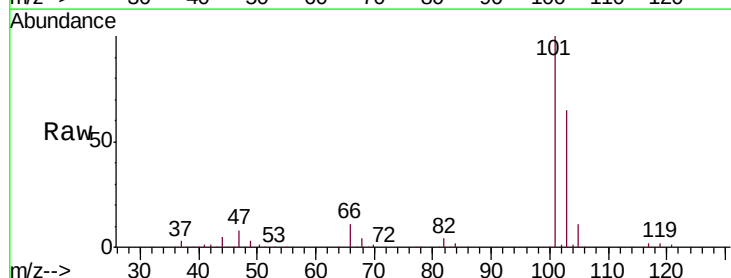
Acq: 20 Sep 2018 09:18

Tgt Ion: 101 Resp: 85377

Ion Ratio Lower Upper

101 100

103 65.5 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV007639.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV007644.D (-118) (-)

80000

60000

40000

20000

0

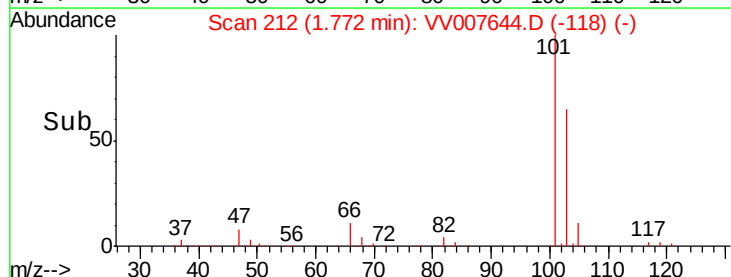
1.70

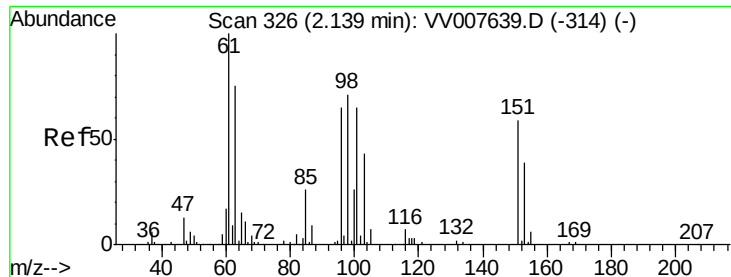
1.75

1.80

1.85

Time-->





#10

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

Concen: 5.015 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

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MSVOA_V

ClientSampled :

BFB61

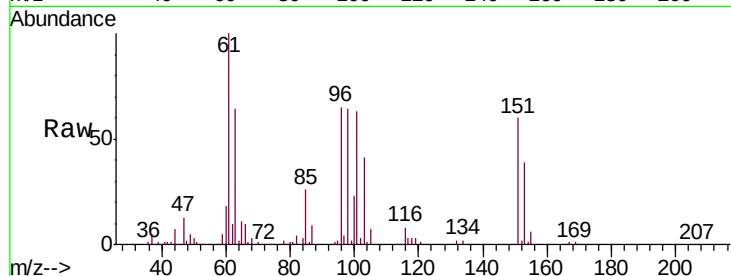
Tgt Ion: 101 Resp: 47365

Ion Ratio Lower Upper

101 100

85 43.1 32.6 48.8

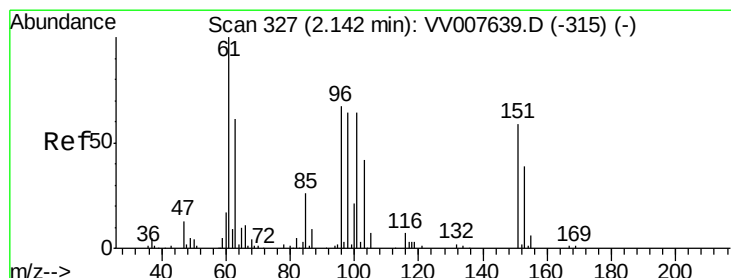
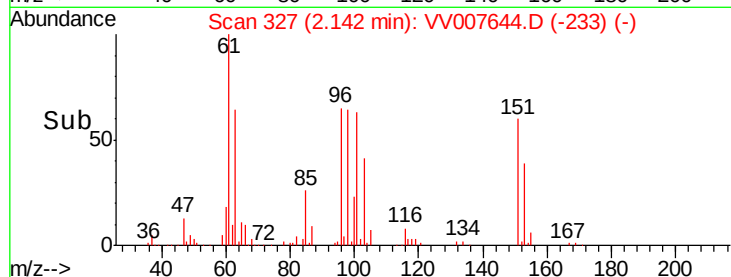
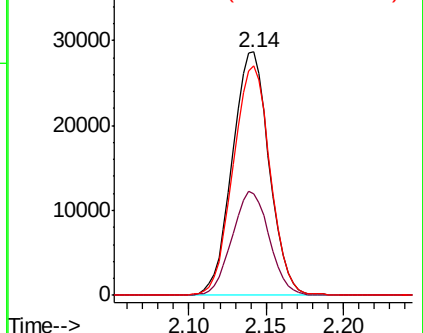
151 94.9 72.8 109.2



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: 5.042 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV007644.D

Acq: 20 Sep 2018 09:18

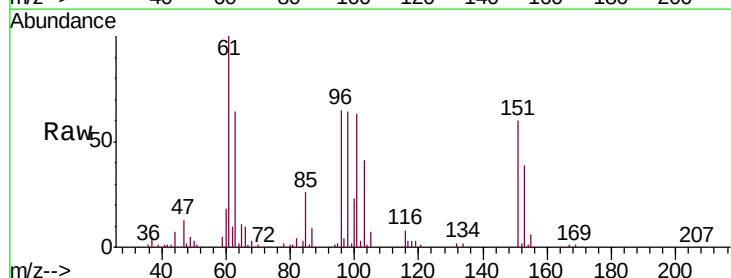
Tgt Ion: 96 Resp: 41962

Ion Ratio Lower Upper

96 100

61 154.0 104.3 193.7

63 99.3 65.2 121.2



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

