

Data File : VU026641.D
Acq On : 10 Sep 2018 11:05
Operator : MD/SY
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VICV53

Quant Time: Sep 11 05:26:33 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 11 05:07:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	203007	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	191814	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	99752	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	72553	47.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.92%
7) Chloroethane-d5	1.68	69	58577	48.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.10%
11) 1,1-Dichloroethene-d2	2.27	63	132931	49.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.20%
21) 2-Butanone-d5	4.17	46	90874	96.53	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.53%
24) Chloroform-d	4.65	84	123253	49.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.00%
26) 1,2-Dichloroethane-d4	5.31	65	78293	47.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.12%
32) Benzene-d6	5.34	84	247582	49.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.74%
36) 1,2-Dichloropropane-d6	6.33	67	82536	49.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.08%
41) Toluene-d8	7.57	98	235768	50.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.22%
43) trans-1,3-Dichloropropene-	7.85	79	39051	50.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.84%
47) 2-Hexanone-d5	8.31	63	68328	100.52	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.52%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	109996	48.22	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.44%
64) 1,2-Dichlorobenzene-d4	11.86	152	95359	47.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.90%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	66005	51.652	ug/L	99
3) Chloromethane	1.33	50	85464	50.877	ug/L	99
5) Vinyl chloride	1.40	62	88884	51.208	ug/L	100
6) Bromomethane	1.62	94	51156	50.574	ug/L	98
8) Chloroethane	1.70	64	53765	49.944	ug/L	100
9) Trichlorofluoromethane	1.89	101	113878	52.029	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	66588	53.422	ug/L	99
12) 1,1-Dichloroethene	2.28	96	61026	50.982	ug/L	93
13) Acetone	2.32	43	98852	92.192	ug/L	100
14) Carbon disulfide	2.48	76	194710	50.083	ug/L	99
15) Methyl Acetate	2.61	43	76327	49.898	ug/L	98
16) Methylene chloride	2.70	84	71573	50.665	ug/L	97
17) trans-1,2-Dichloroethene	2.98	96	65397	51.561	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	202214	51.740	ug/L	100
19) 1,1-Dichloroethane	3.45	63	126668	51.495	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	73612	51.526	ug/L	100
22) 2-Butanone	4.26	43	117886	96.024	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	37969	51.963	ug/L	97
25) Chloroform	4.67	83	126954	51.348	ug/L	99
27) 1,2-Dichloroethane	5.40	62	100273	51.075	ug/L	100
29) Cyclohexane	5.00	56	113341	53.944	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	106130	52.228	ug/L	99
31) Carbon tetrachloride	5.14	117	95937	52.232	ug/L	99
33) Benzene	5.39	78	281895	52.480	ug/L	100
34) Trichloroethene	6.19	95	70949	53.141	ug/L	97
35) Methylcyclohexane	6.42	83	120109	56.202	ug/L	100
37) 1,2-Dichloropropane	6.43	63	78872	52.561	ug/L	100
38) Bromodichloromethane	6.76	83	97043	52.771	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	115305	51.927	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	196416	102.613	ug/L	100
42) Toluene	7.64	91	298277	53.575	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	110179	53.336	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	69386	52.128	ug/L	98
46) Tetrachloroethene	8.23	164	59951	53.429	ug/L	98
48) 2-Hexanone	8.36	43	164119	101.554	ug/L	99
49) Dibromochloromethane	8.48	129	80356	52.229	ug/L	97
50) 1,2-Dibromoethane	8.59	107	73819	51.843	ug/L	99
51) Chlorobenzene	9.12	112	193295	52.877	ug/L	99
52) Ethylbenzene	9.25	91	323566	53.739	ug/L	98
53) m,p-Xylene	9.38	106	126730	55.821	ug/L	98
54) o-xylene	9.78	106	121698	54.011	ug/L	99
55) Styrene	9.79	104	209589	54.989	ug/L	99
56) Isopropylbenzene	10.17	105	318914	55.562	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	117665	51.028	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	90873	51.182	ug/L	98
61) Bromoform	9.96	173	60664	49.368	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	149339	52.140	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	153514	50.594	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	157072	51.888	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	24206	49.497	ug/L	99
67) 1,3,5-Trichlorobenzene	12.89	180	121683	53.559	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	107896	54.640	ug/L	99
69) Naphthalene	13.74	128	328765	54.332	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	115485	53.990	ug/L	99

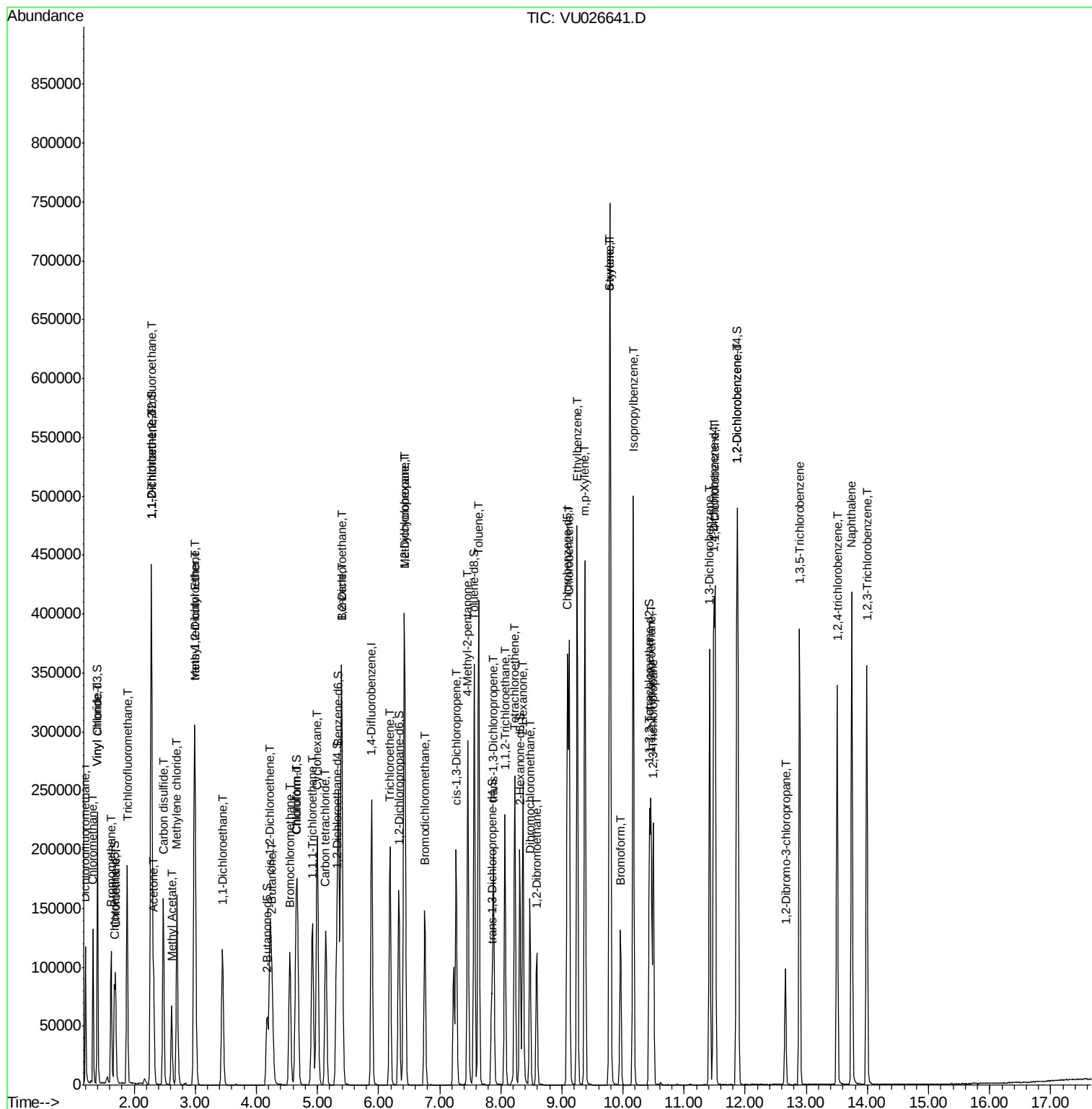
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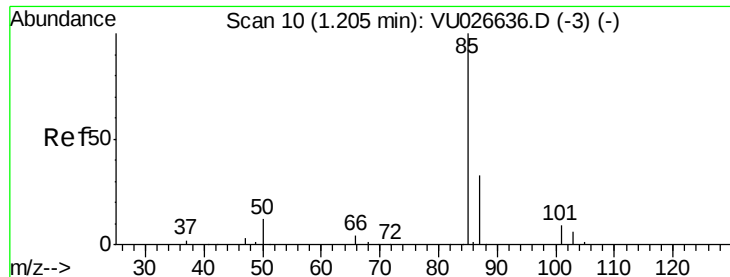
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#2

Dichlorodifluoromethane

Concen: 51.652 ug/L

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU026641.D

Acq: 10 Sep 2018 11:05

Instrument :

MSVOA_U

ClientSampleId :

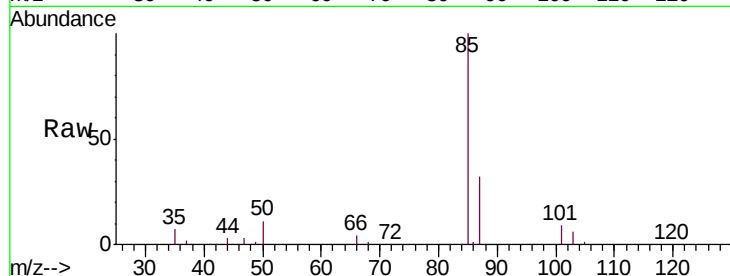
VICV53

Tgt Ion: 85 Resp: 66005

Ion Ratio Lower Upper

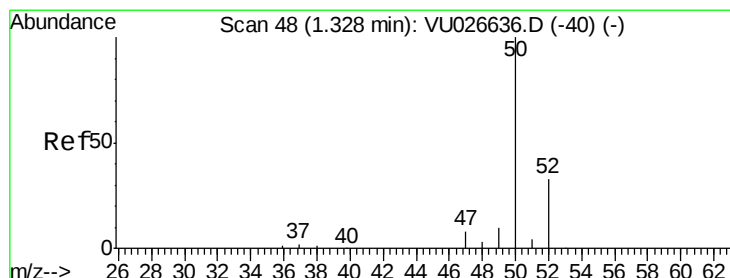
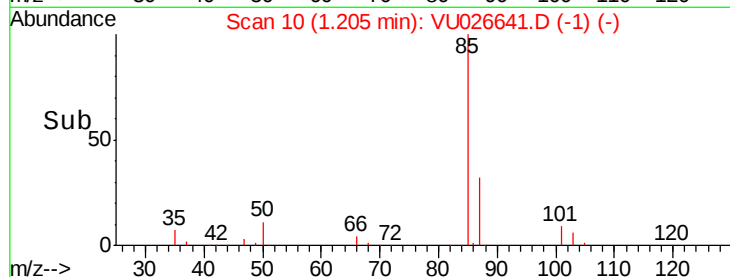
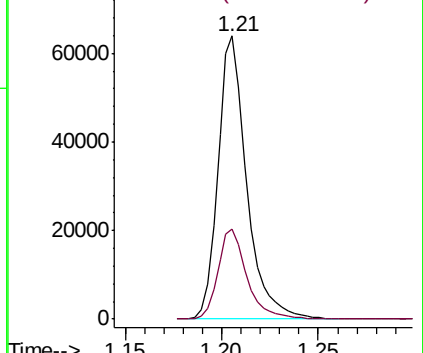
85 100

87 32.0 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 50.877 ug/L

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU026641.D

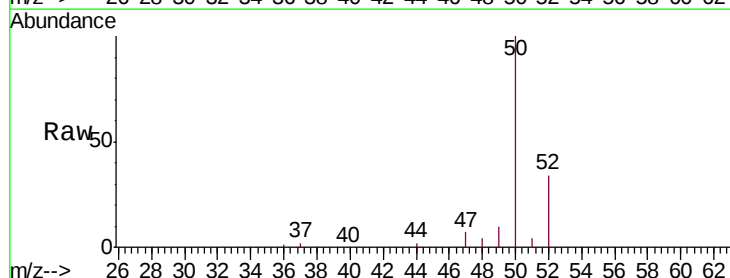
Acq: 10 Sep 2018 11:05

Tgt Ion: 50 Resp: 85464

Ion Ratio Lower Upper

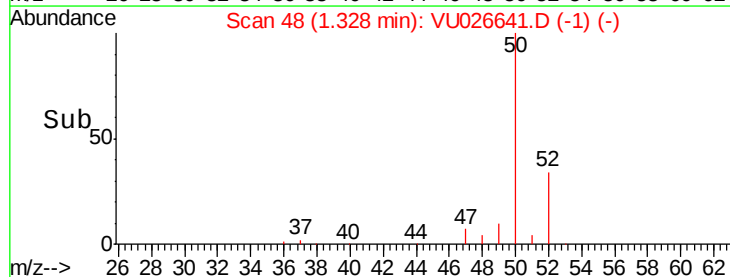
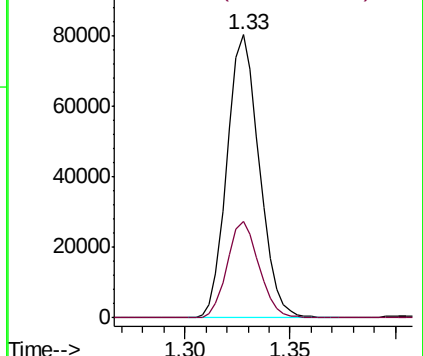
50 100

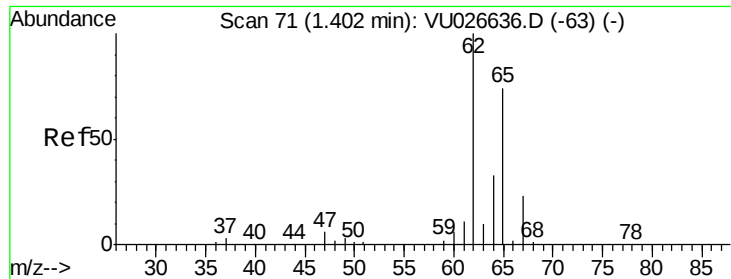
52 34.0 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 51.208 ug/L

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU026641.D

Acq: 10 Sep 2018 11:05

Instrument :

MSVOA_U

ClientSampleId :

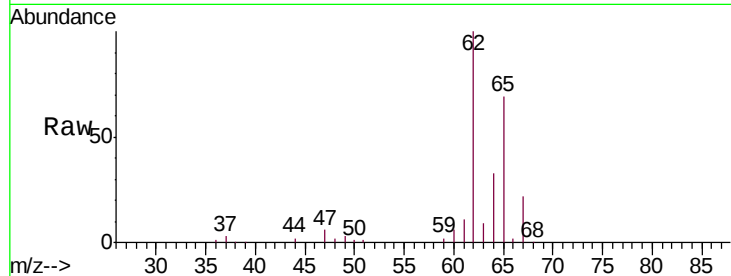
VICV53

Tgt Ion: 62 Resp: 88884

Ion Ratio Lower Upper

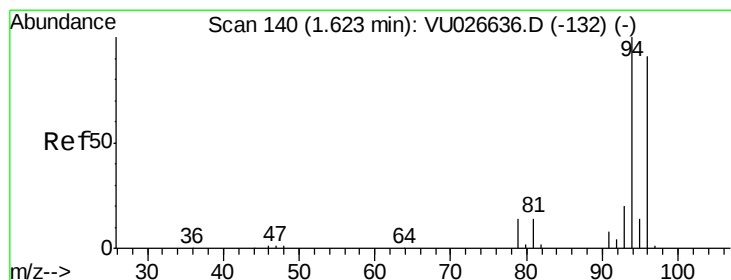
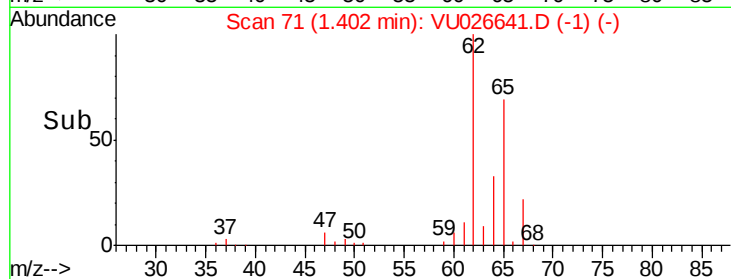
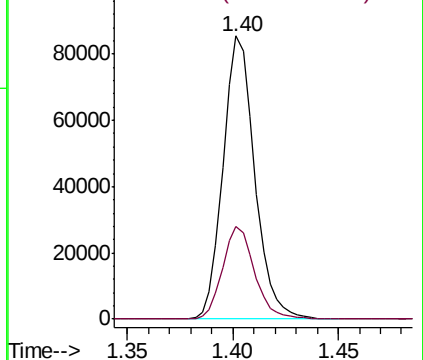
62 100

64 32.6 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 50.574 ug/L

RT: 1.62 min Scan# 140

Delta R.T. 0.00 min

Lab File: VU026641.D

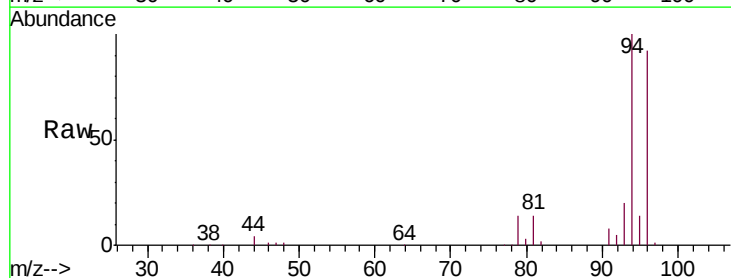
Acq: 10 Sep 2018 11:05

Tgt Ion: 94 Resp: 51156

Ion Ratio Lower Upper

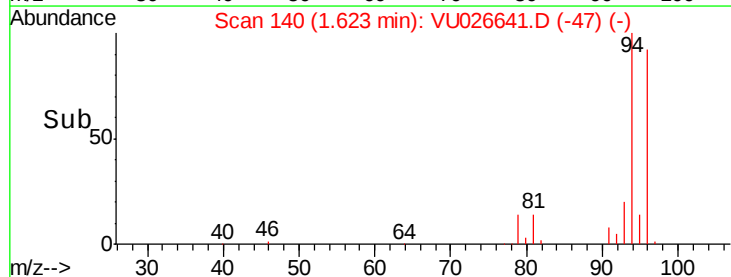
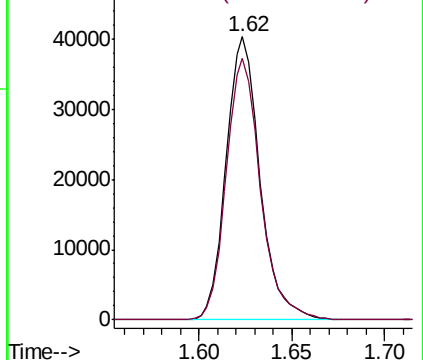
94 100

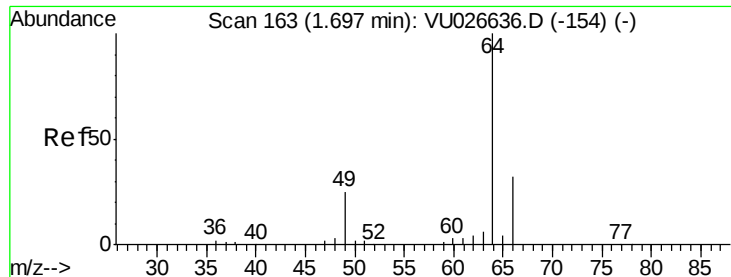
96 92.3 63.6 118.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 49.944 ug/L

RT: 1.70 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU026641.D

Acq: 10 Sep 2018 11:05

Instrument :

MSVOA_U

ClientSampleId :

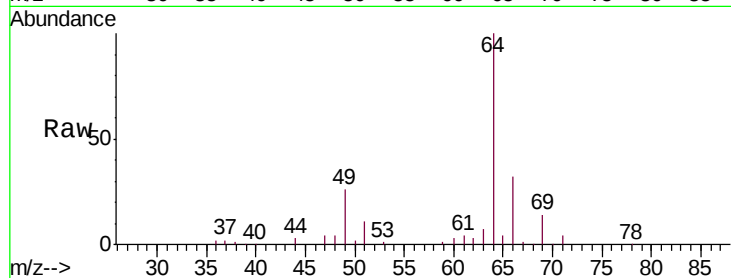
VICV53

Tgt Ion: 64 Resp: 53765

Ion Ratio Lower Upper

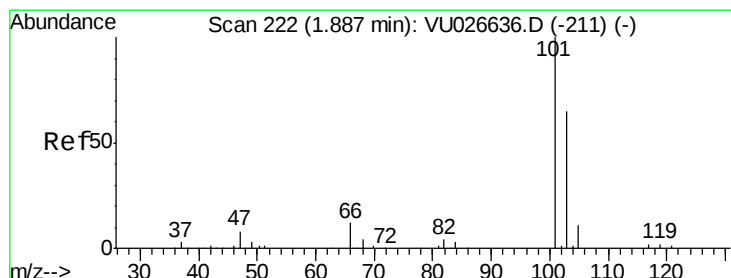
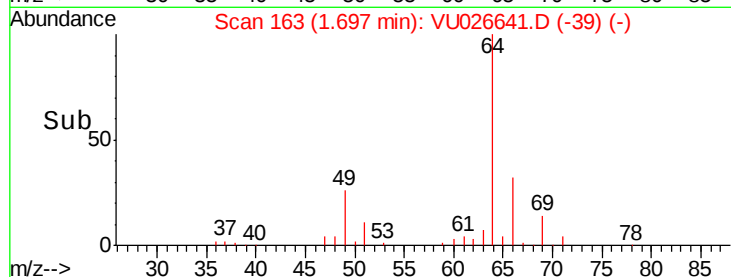
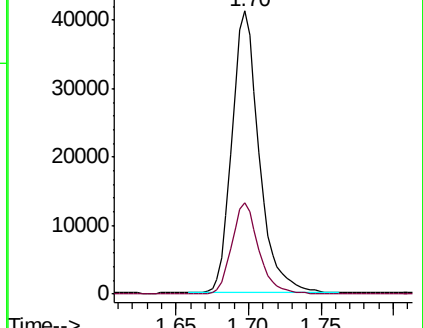
64 100

66 32.3 22.4 41.6



Abundance Ion 64.00 (63.70 to 64.70): VU026641.D (-154) (-)

Ion 66.00 (65.70 to 66.70): VU026641.D (-154) (-)



#9

Trichlorofluoromethane

Concen: 52.029 ug/L

RT: 1.89 min Scan# 222

Delta R.T. 0.00 min

Lab File: VU026641.D

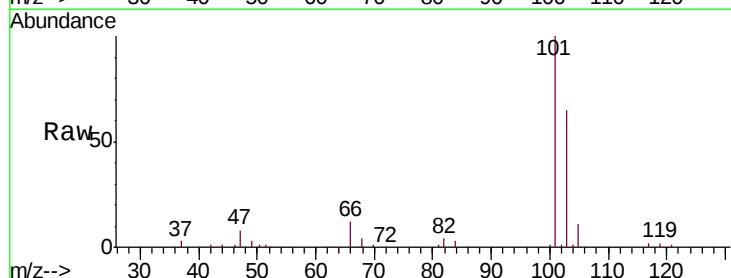
Acq: 10 Sep 2018 11:05

Tgt Ion: 101 Resp: 113878

Ion Ratio Lower Upper

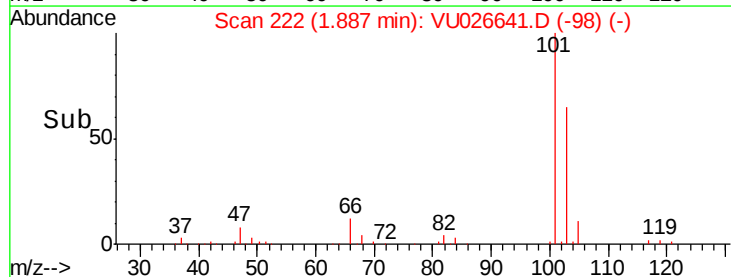
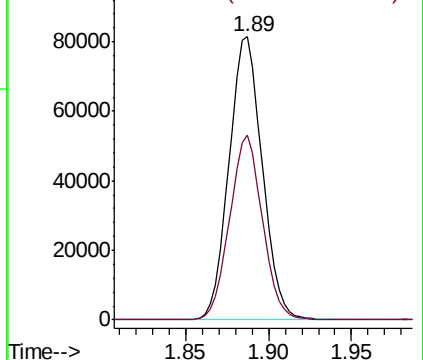
101 100

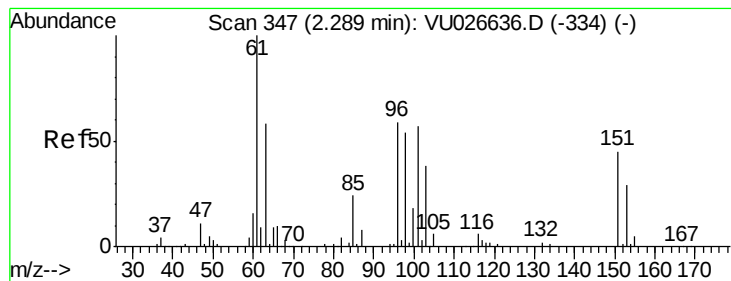
103 64.1 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VU026641.D (-211) (-)

Ion 103.00 (102.70 to 103.70): VU026641.D (-211) (-)





#10

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

Concen: 53.422 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

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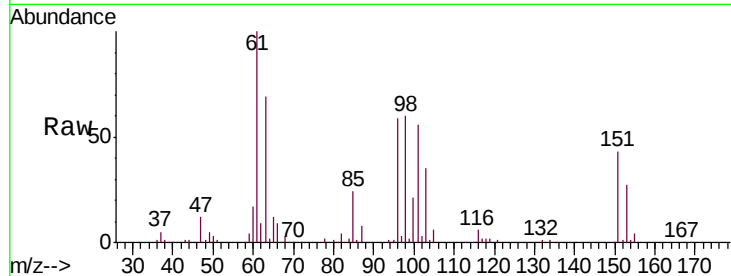
Tgt Ion: 101 Resp: 66588

Ion Ratio Lower Upper

101 100

85 42.8 34.1 51.1

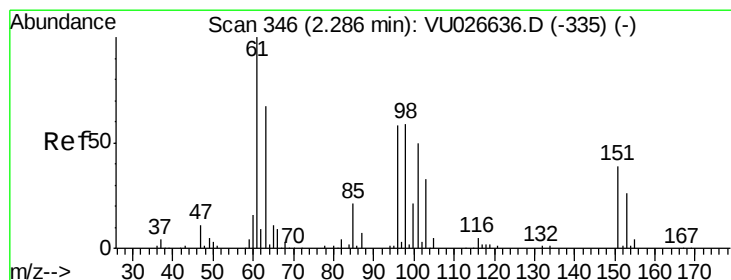
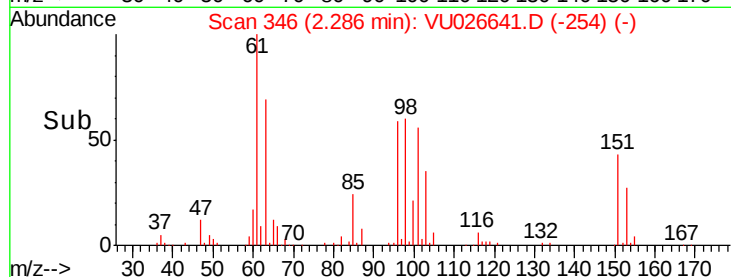
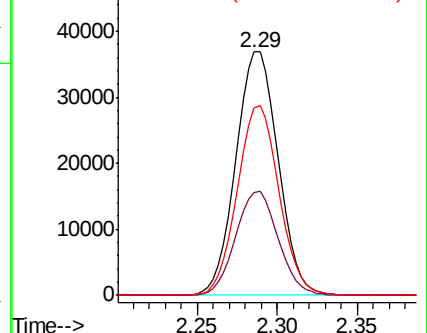
151 76.8 62.6 94.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 50.982 ug/L

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU026641.D

Acq: 10 Sep 2018 11:05

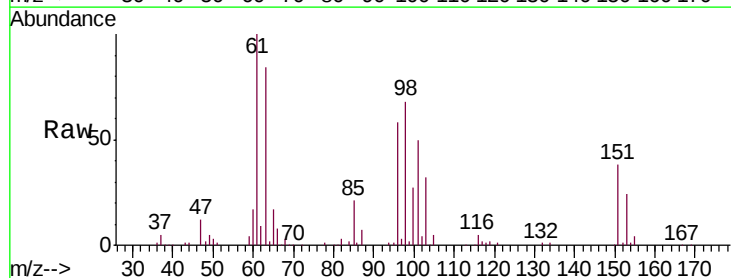
Tgt Ion: 96 Resp: 61026

Ion Ratio Lower Upper

96 100

61 173.3 121.0 224.8

63 145.8 89.9 166.9



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

