

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV111918\
 Data File : VV008654.D
 Acq On : 19 Nov 2018 16:31
 Operator : SY/MD
 Sample : J5995-10
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H0FL5

Quant Time: Nov 20 07:56:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 20 06:56:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	150970	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	138066	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	60273	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	29429	4.39	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.80%
7) Chloroethane-d5	1.59	69	24848	4.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.00%
11) 1,1-Dichloroethene-d2	2.13	63	43015	3.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.20%
20) 2-Butanone-d5	3.97	46	103135	42.98	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.96%
24) Chloroform-d	4.41	84	83082	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
26) 1,2-Dichloroethane-d4	5.09	65	44614	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
32) Benzene-d6	5.10	84	163635	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
36) 1,2-Dichloropropane-d6	6.12	67	52644	4.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.60%
41) Toluene-d8	7.36	98	145847	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.20%
43) trans-1,3-Dichloropropene-	7.67	79	17294	3.90	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.00%
46) 2-Hexanone-d5	8.14	63	83566	41.65	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.30%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	35898	4.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	50287	4.62	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.40%

Target Compounds

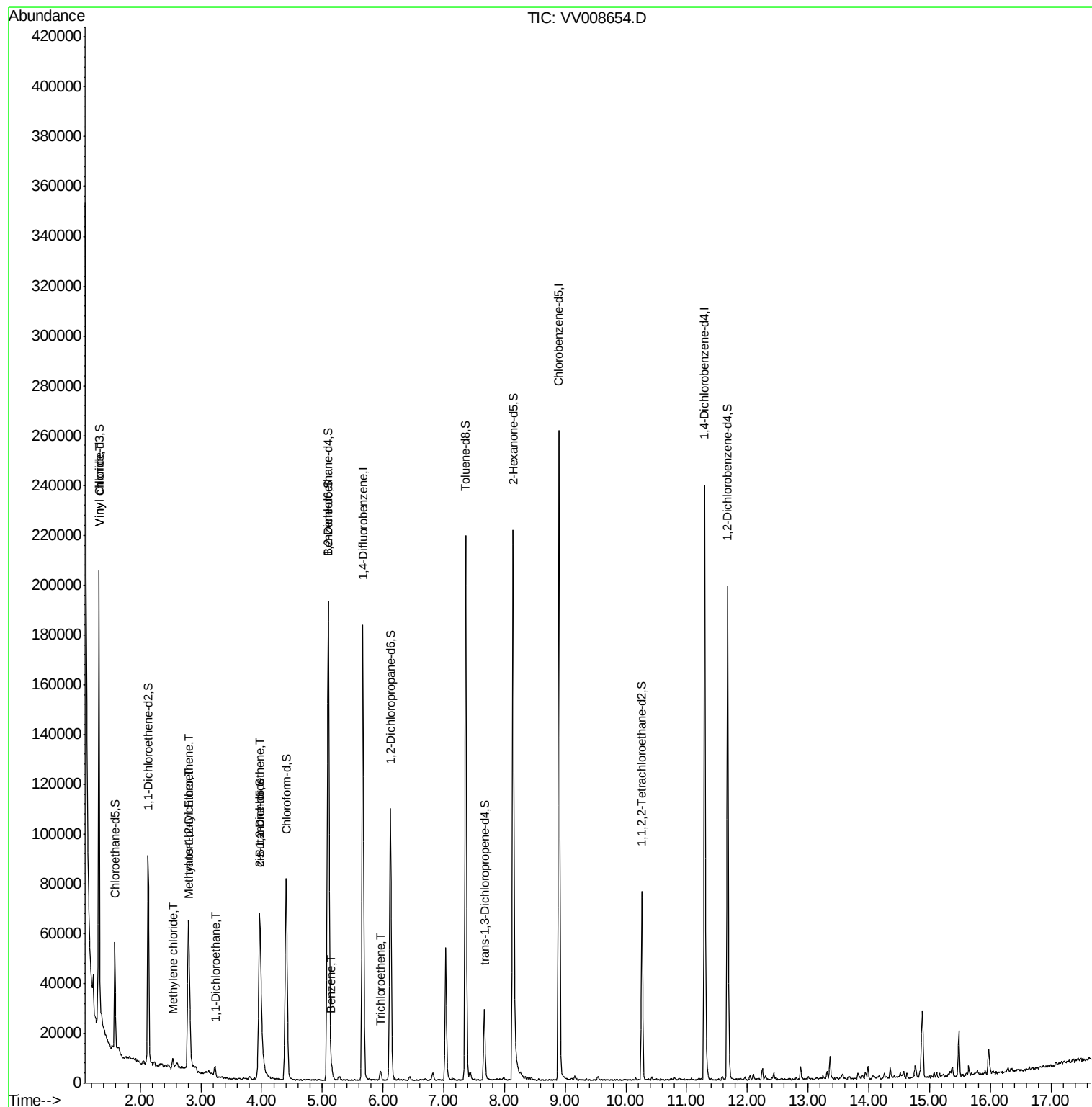
					Ovalue
5) Vinyl chloride	1.32	62	83263	8.721	ug/L 99
16) Methylene chloride	2.54	84	1177	0.138	ug/L 97
17) Methyl tert-butyl Ether	2.81	73	28918	1.552	ug/L 98
18) trans-1,2-Dichloroethene	2.79	96	16765	2.207	ug/L 88
19) 1,1-Dichloroethane	3.23	63	4132	0.215	ug/L 99
22) cis-1,2-Dichloroethene	3.97	96	12301	1.073	ug/L 98
33) Benzene	5.15	78	4064	0.093	ug/L 100
34) Trichloroethene	5.96	95	1301	0.112	ug/L 79

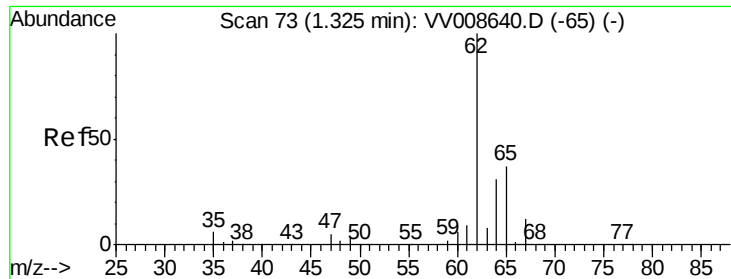
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 8.721 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV008654.D

Acq: 19 Nov 2018 16:31

Instrument :

MSVOA_V

ClientSampleId :

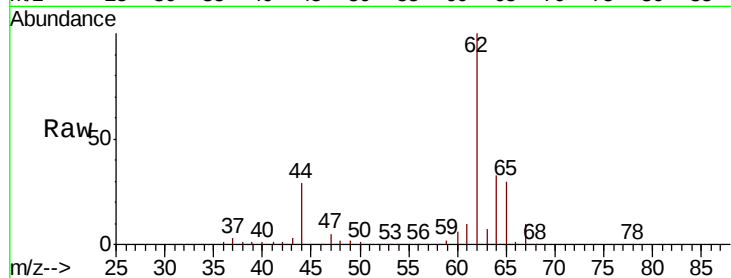
H0FL5

Tot Ion: 62 Resp: 83263

Ion Ratio Lower Upper

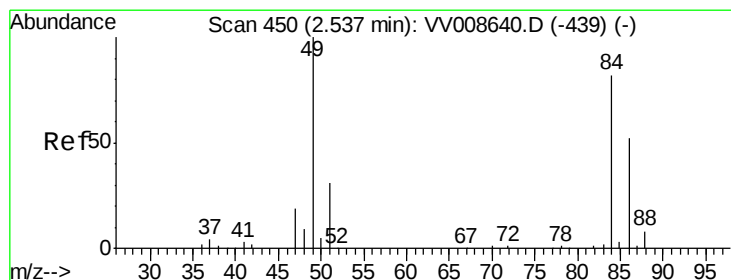
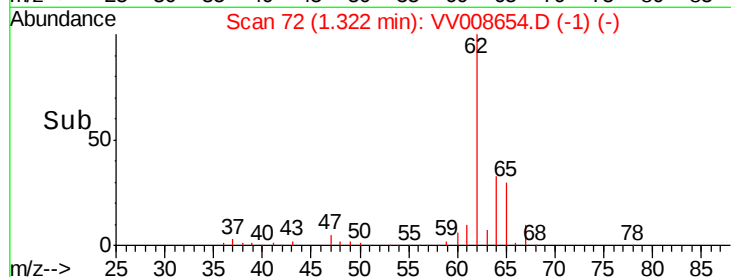
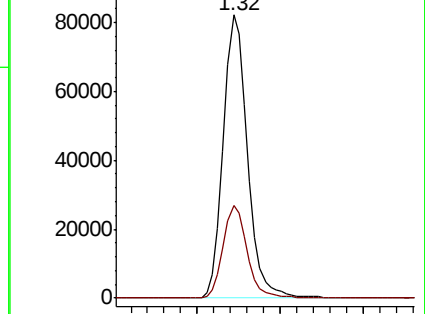
62 100

64 32.6 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VV008654.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VV008654.D (-1) (-)



#16

Methylene chloride

Concen: 0.138 ug/L

RT: 2.54 min Scan# 450

Delta R.T. -0.00 min

Lab File: VV008654.D

Acq: 19 Nov 2018 16:31

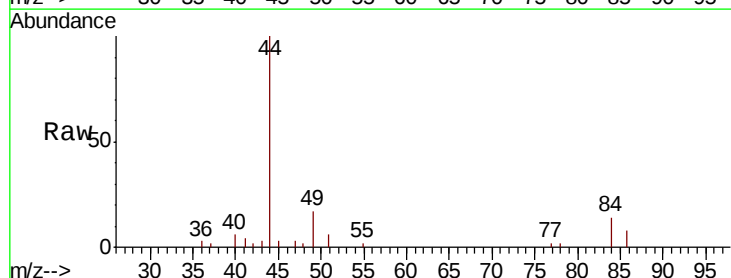
Tgt Ion: 84 Resp: 1177

Ion Ratio Lower Upper

84 100

86 61.2 44.8 83.2

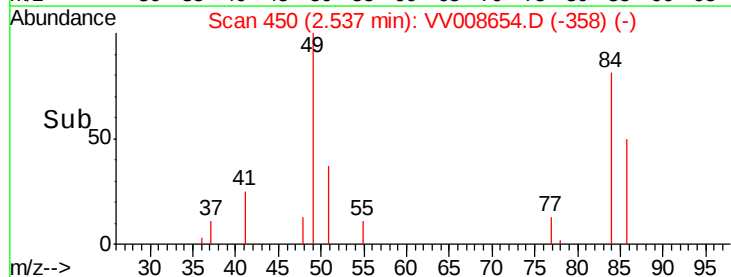
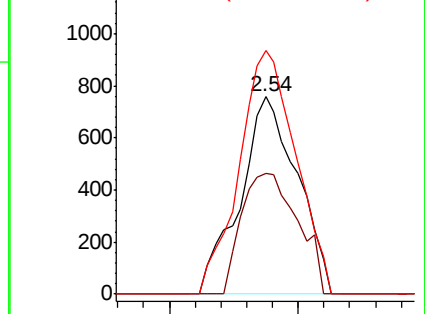
49 123.5 88.1 163.7

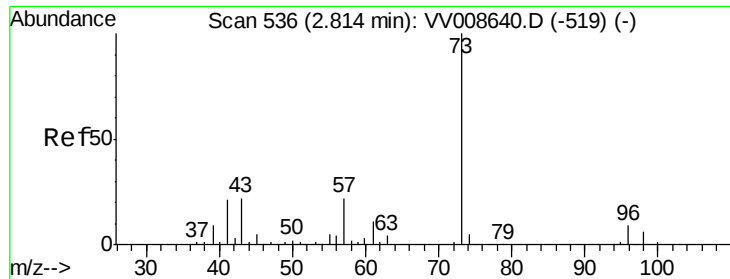


Abundance Ion 84.05 (83.75 to 84.75): VV008654.D (-358) (-)

Ion 86.00 (85.70 to 86.70): VV008654.D (-358) (-)

Ion 49.10 (48.80 to 49.80): VV008654.D (-358) (-)

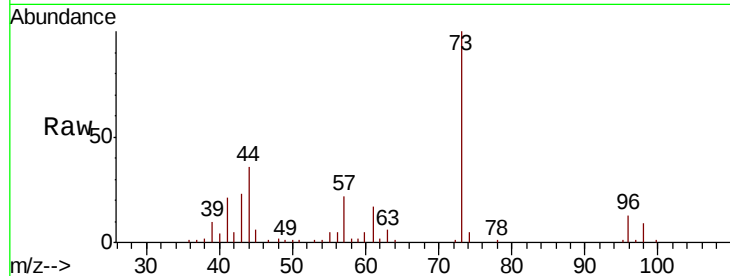




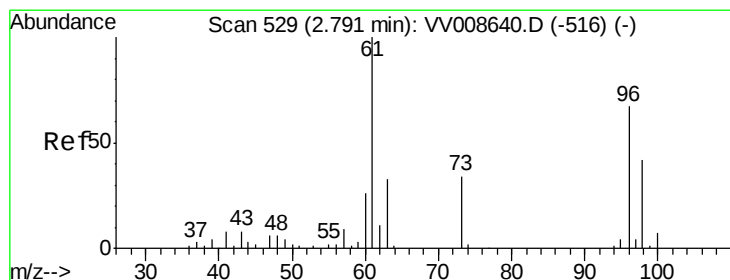
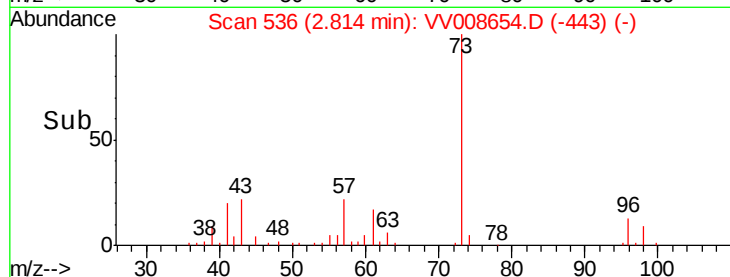
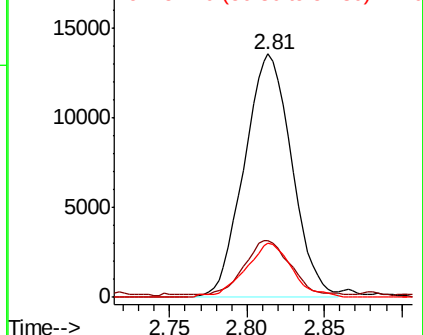
#17
Methvl tert-butvl Ether
Concen: 1.552 ug/L
RT: 2.81 min Scan# 536
Delta R.T. 0.00 min
Lab File: VV008654.D
Acq: 19 Nov 2018 16:31

Instrument :
MSVOA_V
ClientSampleId :
H0FL5

Tot Ion: 73 Resp: 28918
Ion Ratio Lower Upper
73 100
43 21.4 18.1 27.1
57 21.9 17.9 26.9

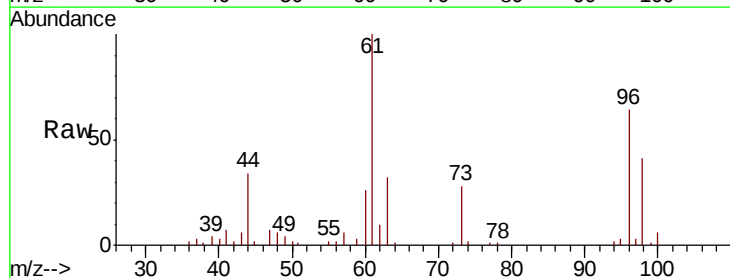


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

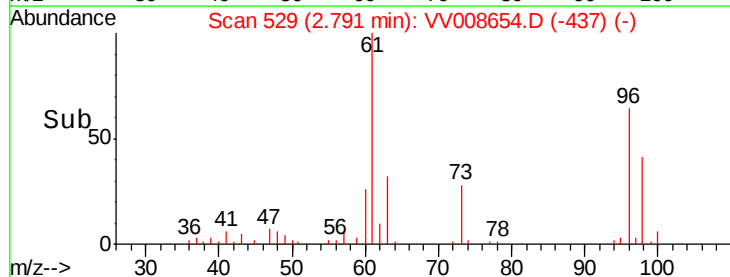
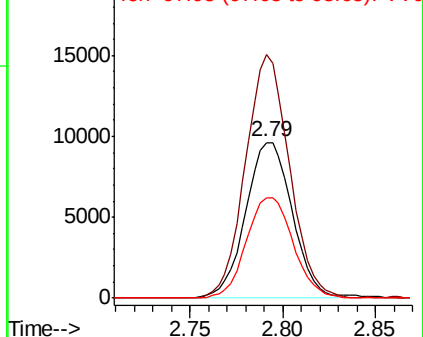


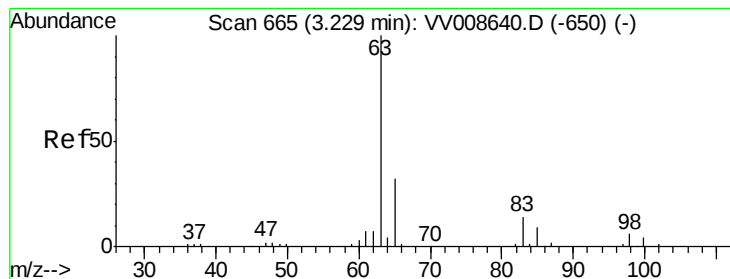
#18
trans-1,2-Dichloroethene
Concen: 2.207 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV008654.D
Acq: 19 Nov 2018 16:31

Tgt Ion: 96 Resp: 16765
Ion Ratio Lower Upper
96 100
61 156.2 97.1 180.3
98 64.2 41.9 77.7



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 0.215 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV008654.D

Acq: 19 Nov 2018 16:31

Instrument :

MSVOA_V

ClientSampled :

H0FL5

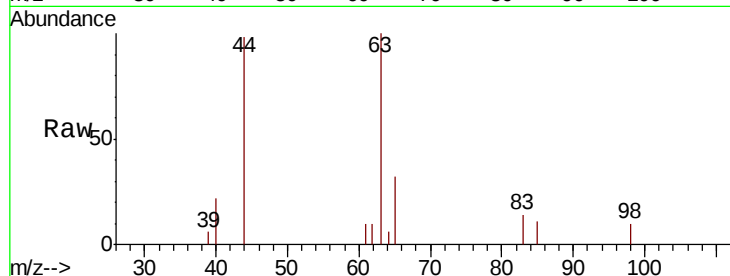
Tot Ion: 63 Resp: 4132

Ion Ratio Lower Upper

63 100

65 32.3 23.2 43.0

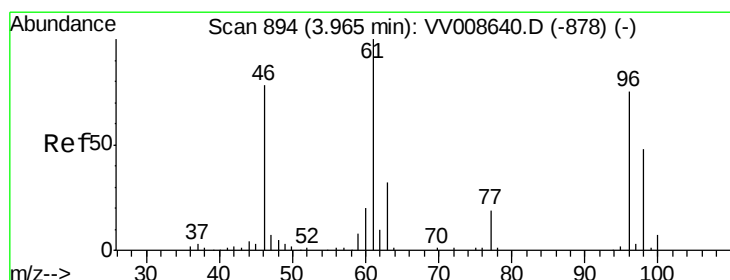
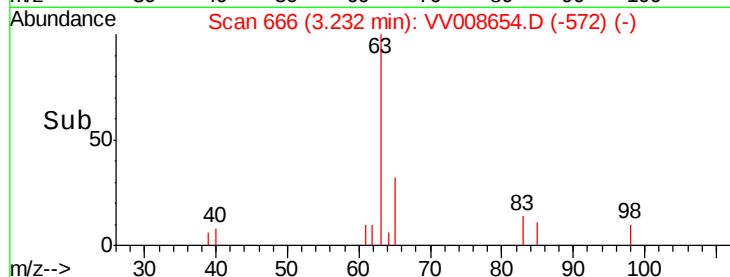
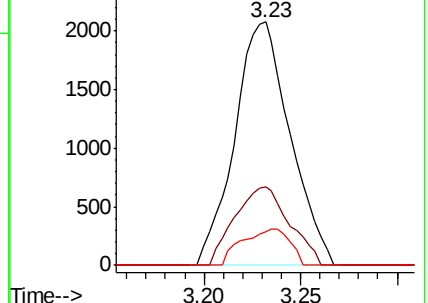
83 14.1 9.5 17.7



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#22

cis-1,2-Dichloroethene

Concen: 1.073 ug/L

RT: 3.97 min Scan# 895

Delta R.T. 0.01 min

Lab File: VV008654.D

Acq: 19 Nov 2018 16:31

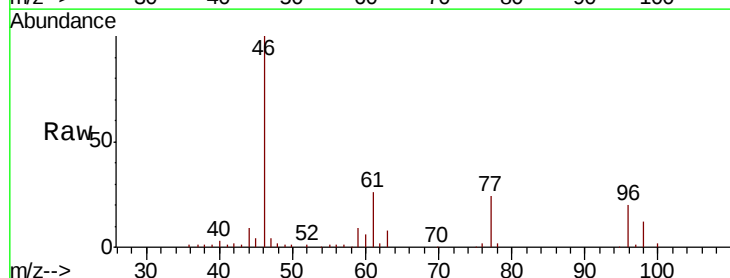
Tgt Ion: 96 Resp: 12301

Ion Ratio Lower Upper

96 100

61 131.3 93.2 173.2

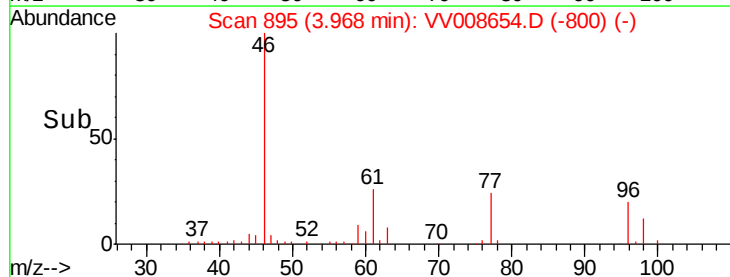
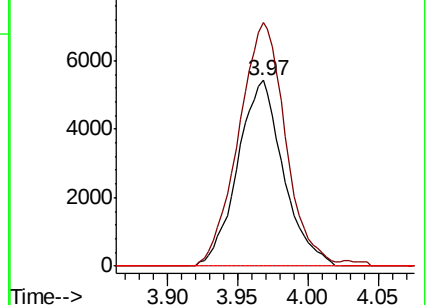
68 0.0 0.0 0.0

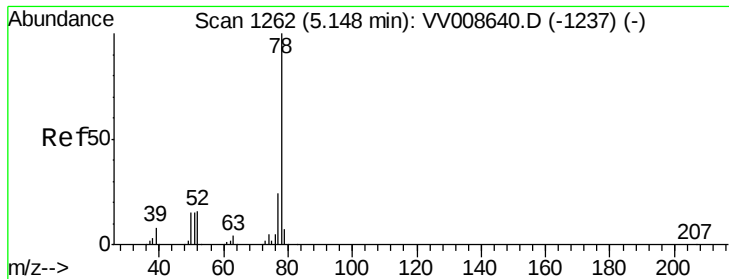


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0





#33

Benzene

Concen: 0.093 ug/L

RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VV008654.D

Acq: 19 Nov 2018 16:31

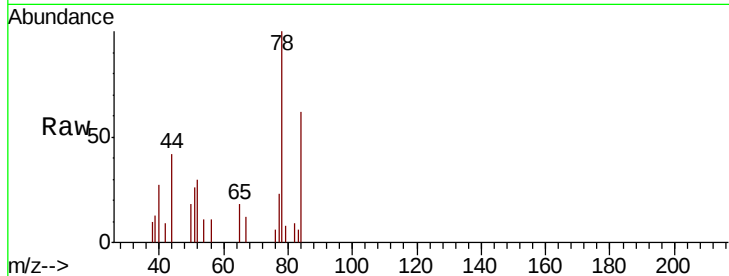
Instrument :

MSVOA_V

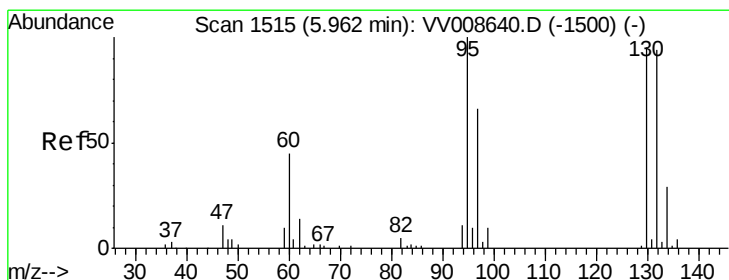
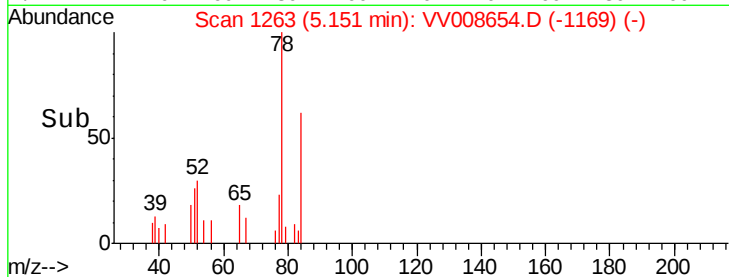
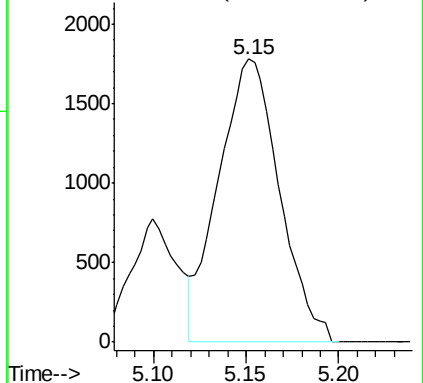
ClientSampled :

H0FL5

Tgt Ion: 78 Resp: 4064



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 0.112 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.01 min

Lab File: VV008654.D

Acq: 19 Nov 2018 16:31

Tgt Ion: 95 Resp: 1301

Ion	Ratio	Lower	Upper
95	100		
97	50.8	45.1	83.7
132	75.2	66.3	123.1
130	72.8	68.0	126.4

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

