

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 07:00:48 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

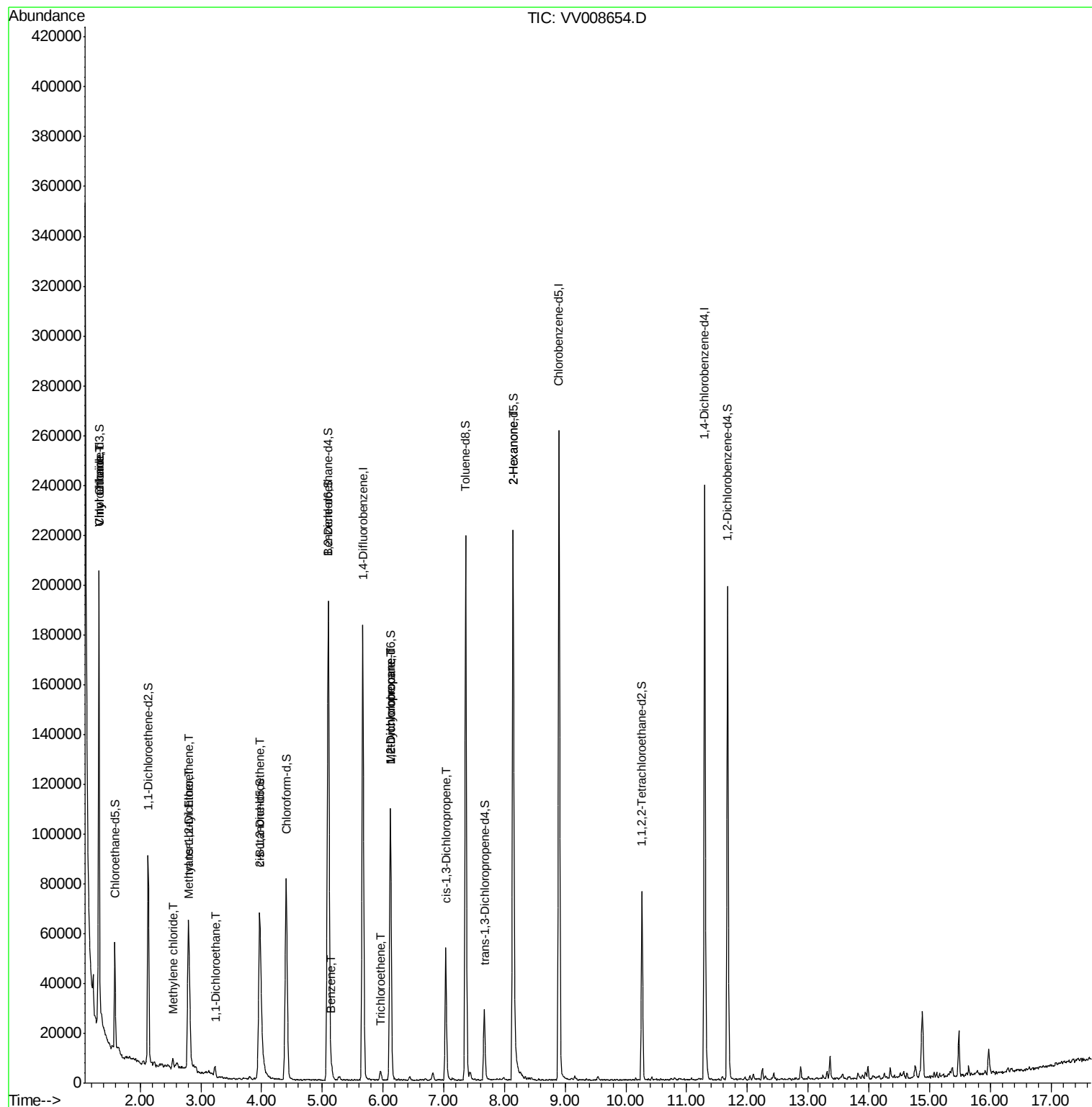
					Qvalue
5) Vinyl chloride	1.32	62	83263	8.721 ug/L	99
8) Chloroethane	1.32	64	26704	4.774 ug/L #	47
16) Methylene chloride	2.54	84	1177	0.138 ug/L	97
17) Methyl tert-butyl Ether	2.81	73	28918	1.552 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	16765	2.207 ug/L	88
19) 1,1-Dichloroethane	3.23	63	4132	0.215 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
35) Methylcyclohexane	6.12	83	12035	0.614 ug/L #	17
37) 1,2-Dichloropropane	6.13	63	5828	0.507 ug/L #	89
39) cis-1,3-Dichloropropene	7.04	75	1259	0.081 ug/L #	61
48) 2-Hexanone	8.14	43	9979	2.195 ug/L #	75

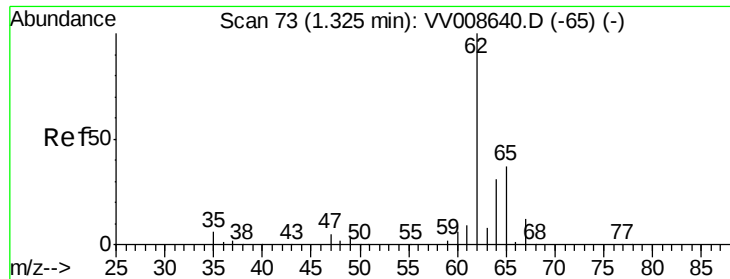
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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 :

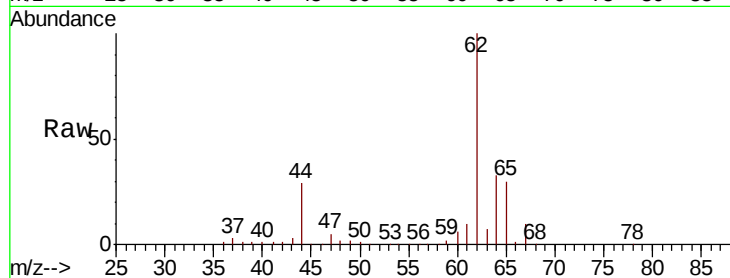
H0FL5

Tgt Ion: 62 Resp: 83263

Ion Ratio Lower Upper

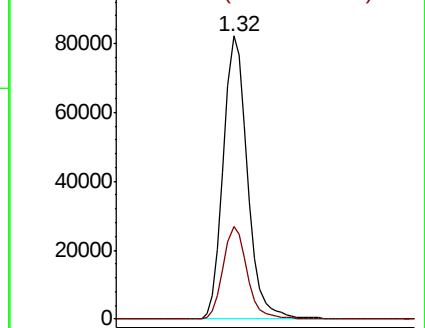
62 100

64 32.6 23.4 43.4

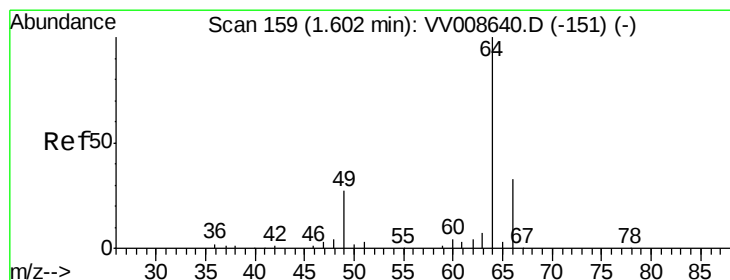
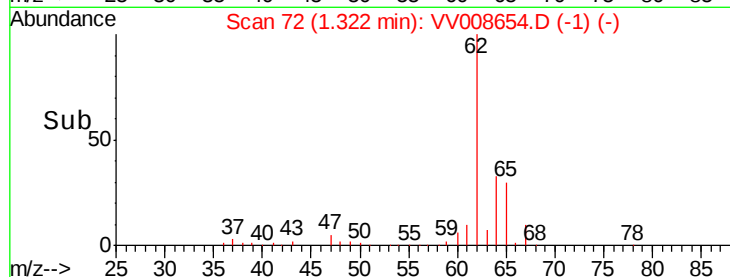


Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



Time-->



#8

Chloroethane

Concen: 4.774 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.28 min

Lab File: VV008654.D

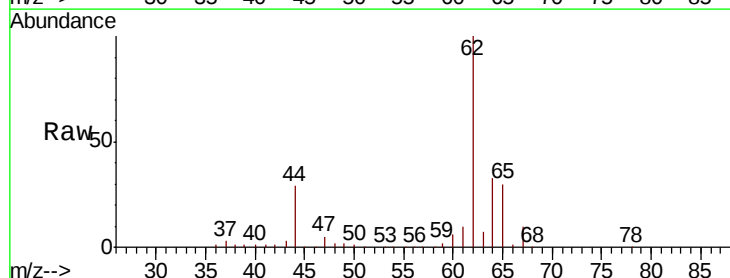
Acq: 19 Nov 2018 16:31

Tgt Ion: 64 Resp: 26704

Ion Ratio Lower Upper

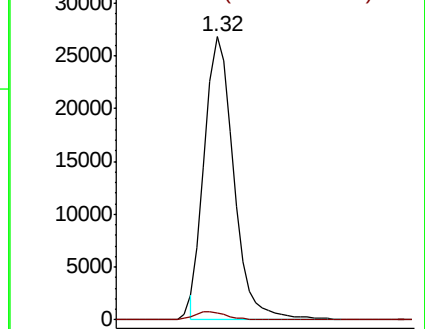
64 100

66 2.6 22.7 42.3#

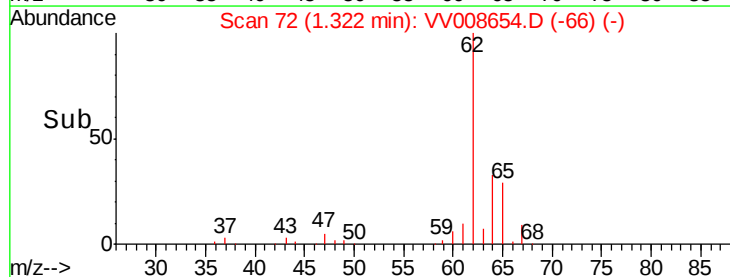


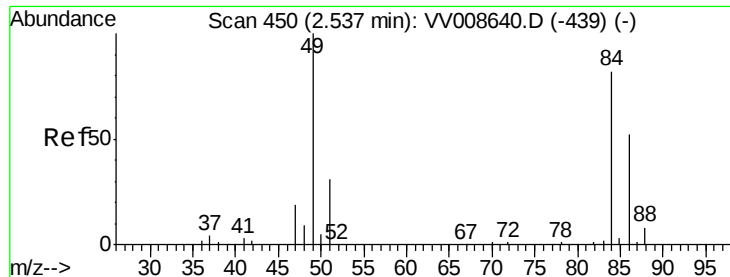
Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0



Time-->

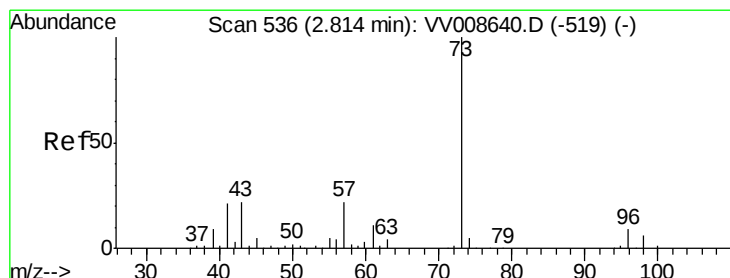
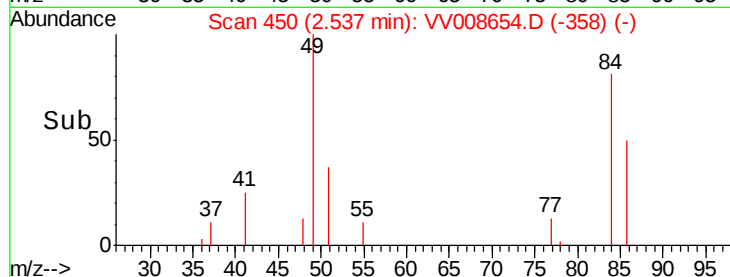
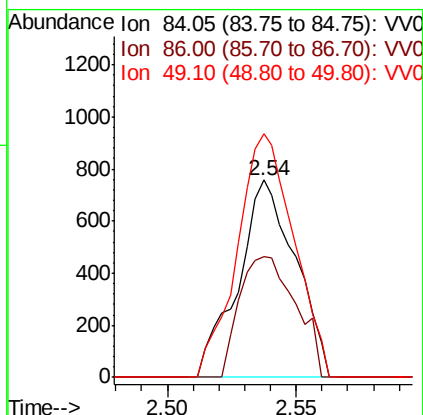
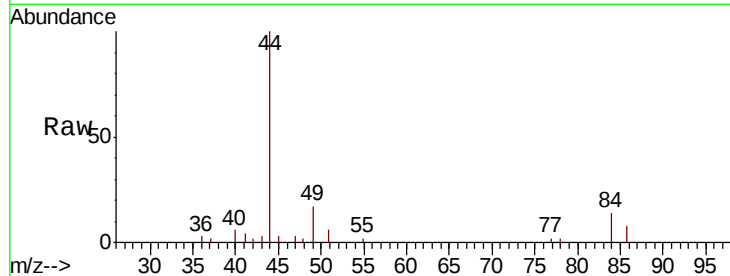




#16
Methylene chloride
Concen: 0.138 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV008654.D
Acq: 19 Nov 2018 16:31

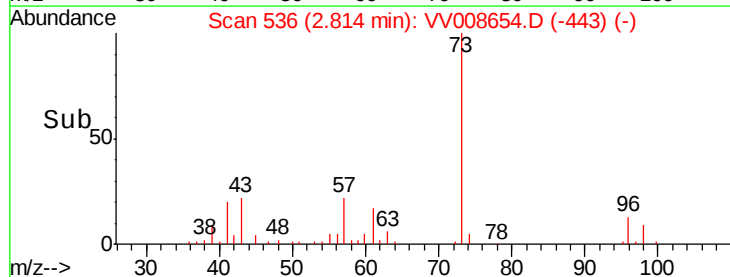
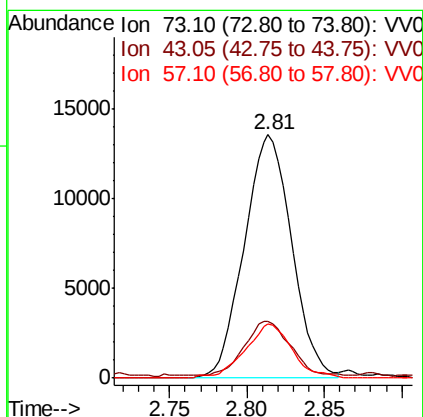
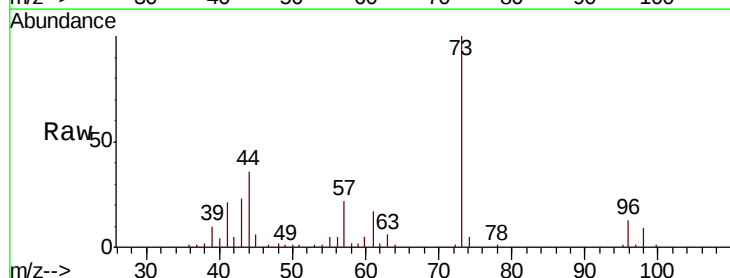
Instrument :
MSVOA_V
ClientSampled :
H0FL5

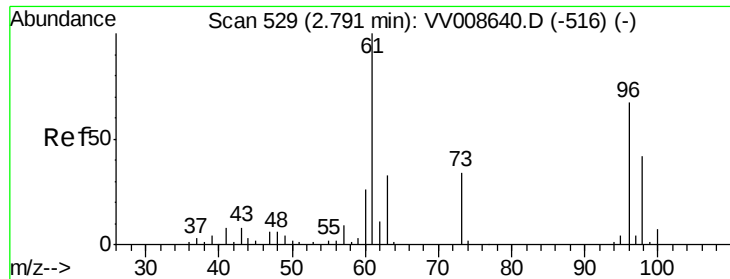
Tgt Ion: 84 Resp: 1177
Ion Ratio Lower Upper
84 100
86 61.2 44.8 83.2
49 123.5 88.1 163.7



#17
Methyl tert-butyl 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

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





#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

Instrument :

MSVOA_V

ClientSampled :

H0FL5

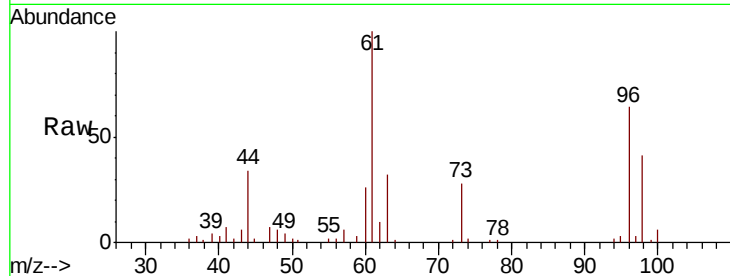
Tgt Ion: 96 Resp: 16765

Ion Ratio Lower Upper

96 100

61 156.2 97.1 180.3

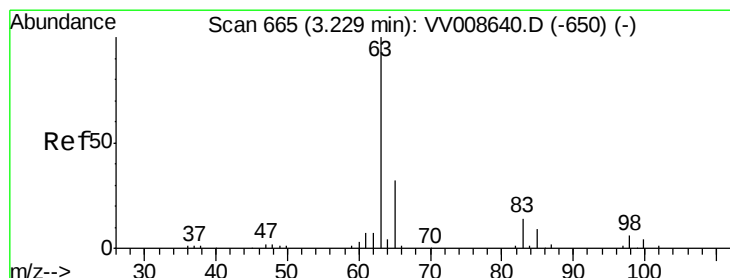
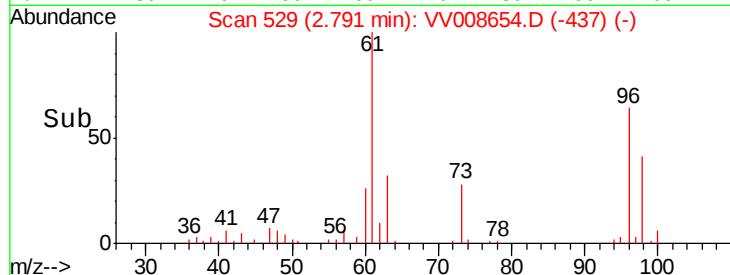
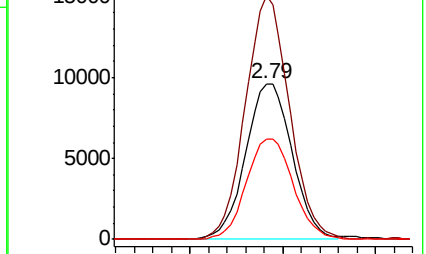
98 64.2 41.9 77.7



Abundance Ion 96.00 (95.70 to 96.70): VV008654.D (-437) (-)

Ion 61.05 (60.75 to 61.75): VV008654.D (-437) (-)

Ion 97.95 (97.65 to 98.65): VV008654.D (-437) (-)



#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

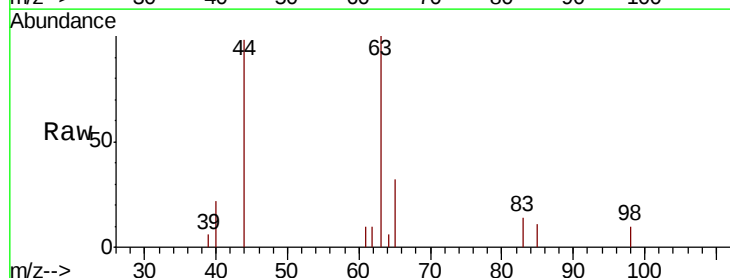
Tgt Ion: 63 Resp: 4132

Ion Ratio Lower Upper

63 100

65 32.3 23.2 43.0

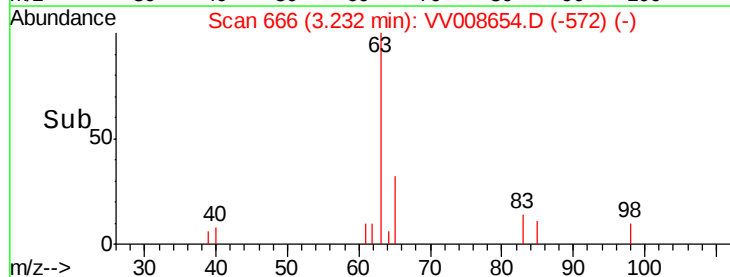
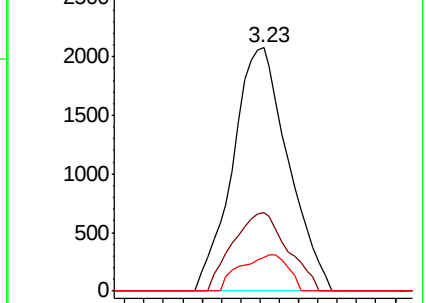
83 14.1 9.5 17.7

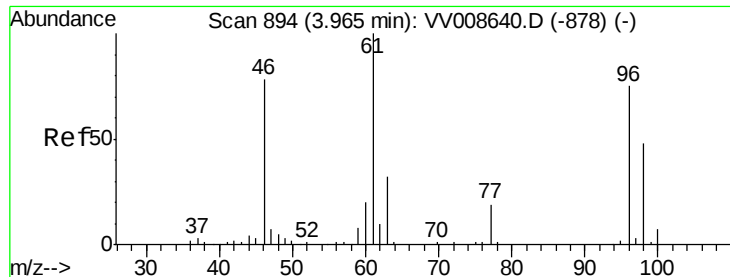


Abundance Ion 63.10 (62.80 to 63.80): VV008654.D (-572) (-)

Ion 65.10 (64.80 to 65.80): VV008654.D (-572) (-)

Ion 83.05 (82.75 to 83.75): VV008654.D (-572) (-)



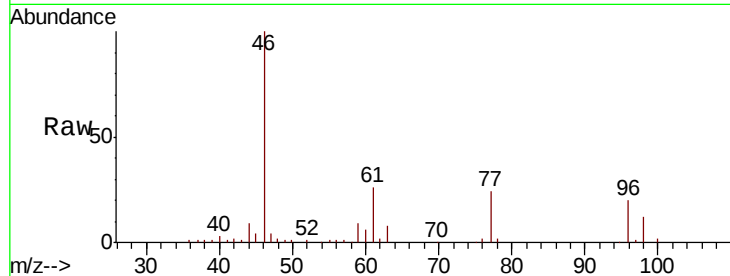


#22

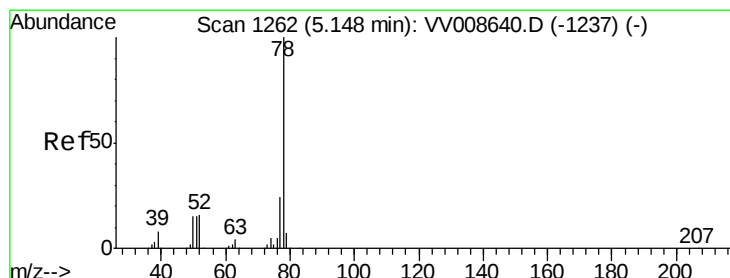
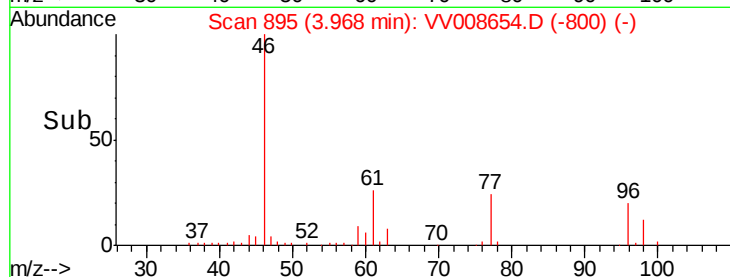
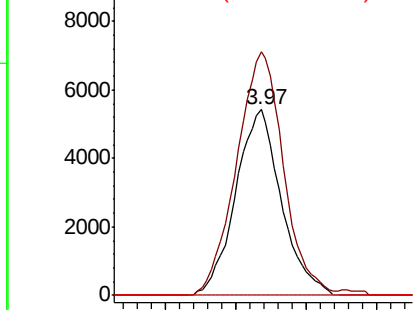
cis-1,2-Dichloroethene
 Concen: 1.073 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.01 min
 Lab File: VV008654.D
 Acq: 19 Nov 2018 16:31

Instrument :
 MSVOA_V
 ClientSampleId :
 H0FL5

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



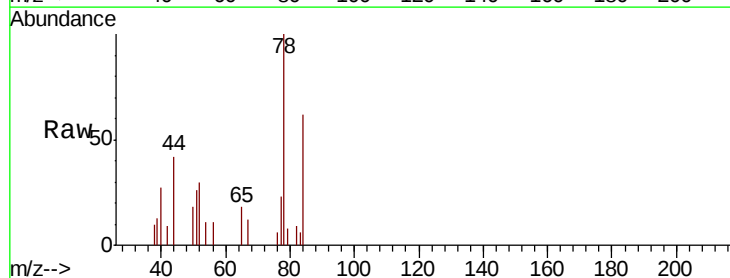
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



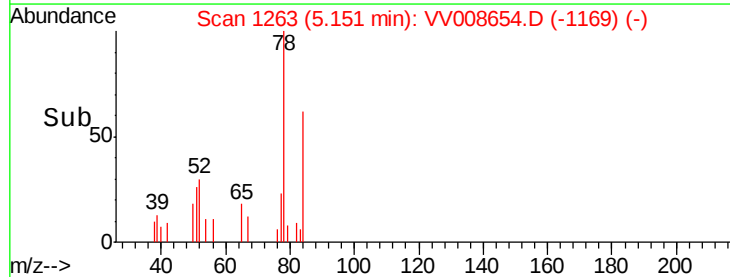
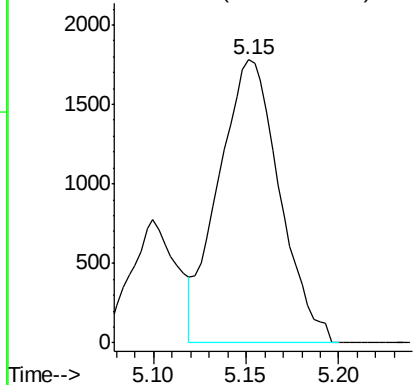
#33

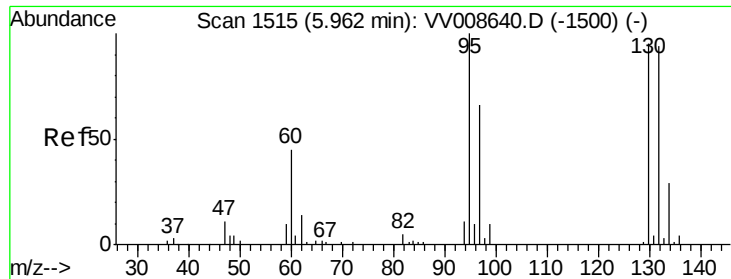
Benzene
 Concen: 0.093 ug/L
 RT: 5.15 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VV008654.D
 Acq: 19 Nov 2018 16:31

Tgt Ion: 78 Resp: 4064



Abundance Ion 78.10 (77.80 to 78.80): VV0

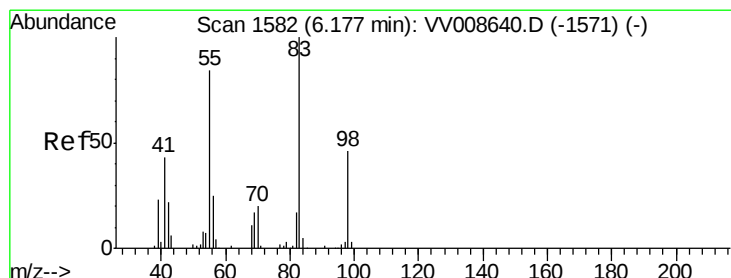
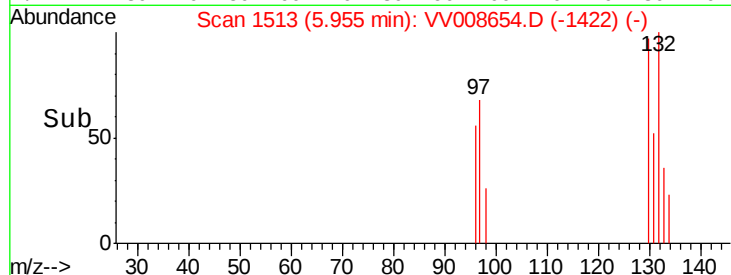
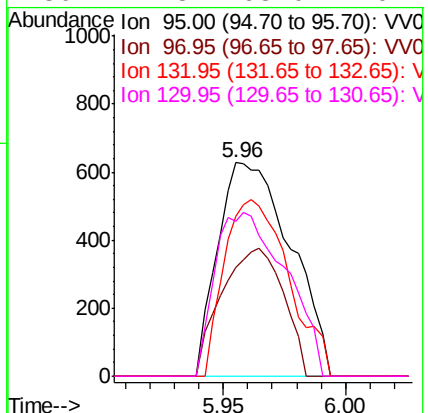
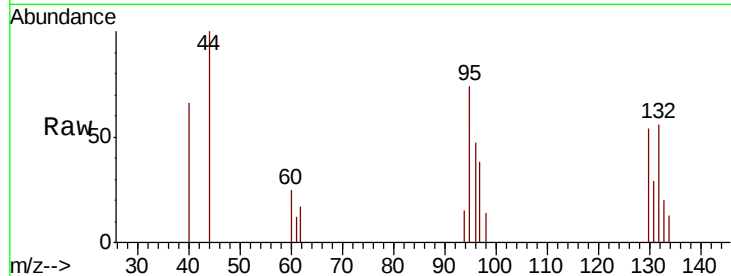




#34
 Trichloroethene
 Concen: 0.112 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. -0.01 min
 Lab File: VV008654.D
 Acq: 19 Nov 2018 16:31

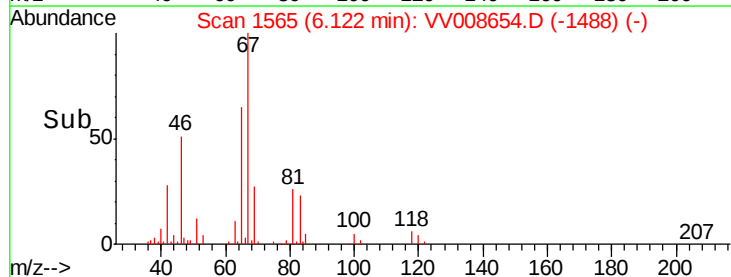
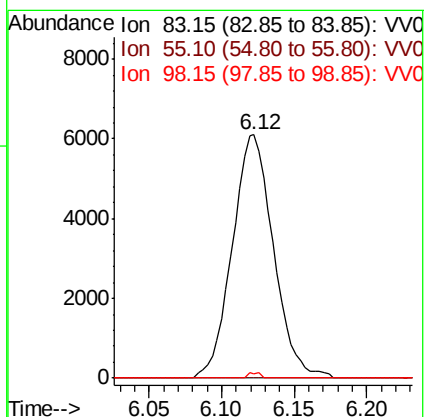
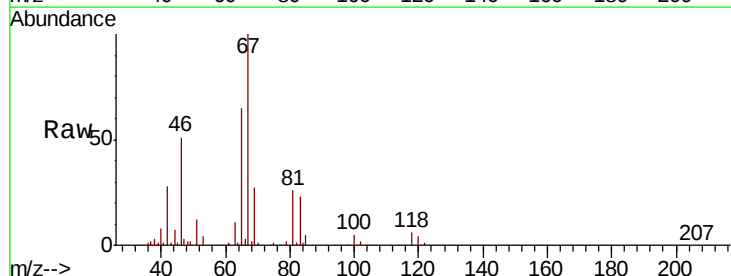
Instrument :
 MSVOA_V
 ClientSampleID :
 H0FL5

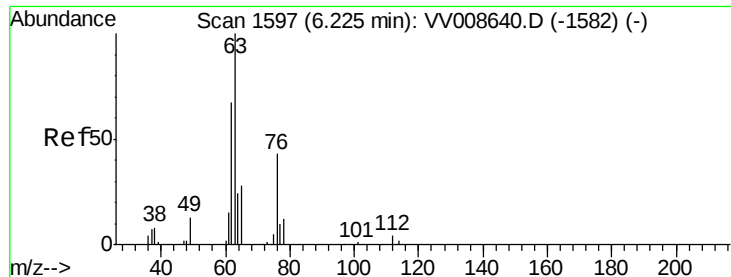
Tgt Ion: 95 Resp: 1301
 Ion Ratio Lower Upper
 95 100
 97 50.8 45.1 83.7
 132 75.2 66.3 123.1
 130 72.8 68.0 126.4



#35
 Methylcyclohexane
 Concen: 0.614 ug/L
 RT: 6.12 min Scan# 1565
 Delta R.T. -0.05 min
 Lab File: VV008654.D
 Acq: 19 Nov 2018 16:31

Tgt Ion: 83 Resp: 12035
 Ion Ratio Lower Upper
 83 100
 55 0.0 65.6 98.4#
 98 0.6 36.4 54.6#





#37

1,2-Dichloropropane

Concen: 0.507 ug/L

RT: 6.13 min Scan# 1566

Delta R.T. -0.10 min

Lab File: VV008654.D

Acq: 19 Nov 2018 16:31

Instrument :

MSVOA_V

ClientSampleId :

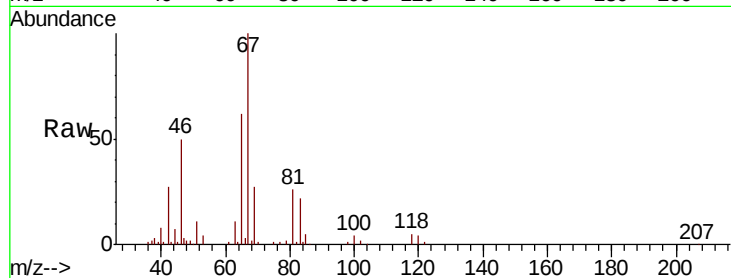
H0FL5

Tgt Ion: 63 Resp: 5828

Ion Ratio Lower Upper

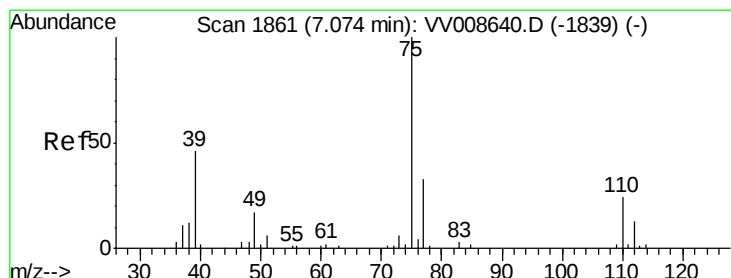
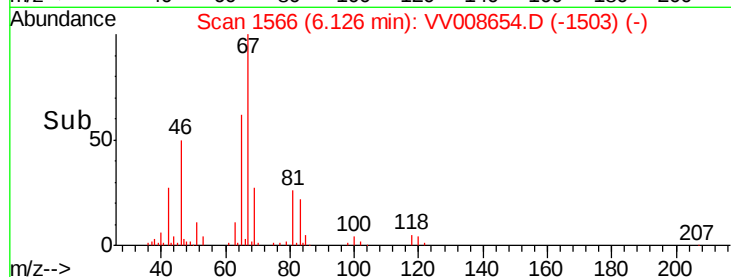
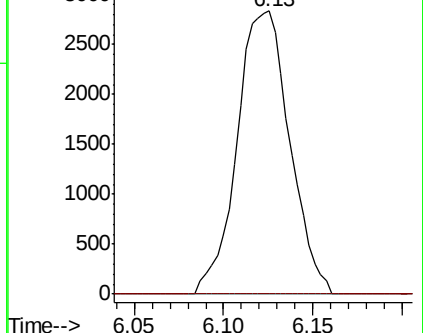
63 100

112 0.0 2.8 4.2#



Abundance Ion 63.10 (62.80 to 63.80): VV008654.D (-1566) (-)

Ion 112.10 (111.80 to 112.80): VV008654.D (-1566) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.081 ug/L

RT: 7.04 min Scan# 1849

Delta R.T. -0.04 min

Lab File: VV008654.D

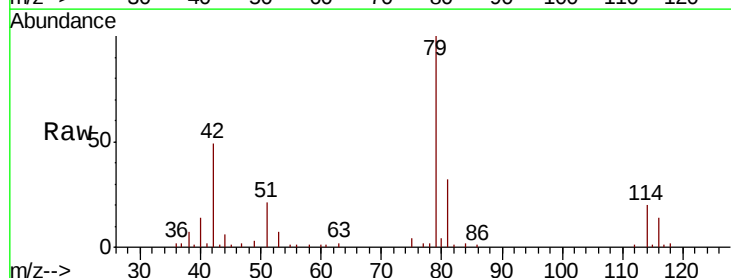
Acq: 19 Nov 2018 16:31

Tgt Ion: 75 Resp: 1259

Ion Ratio Lower Upper

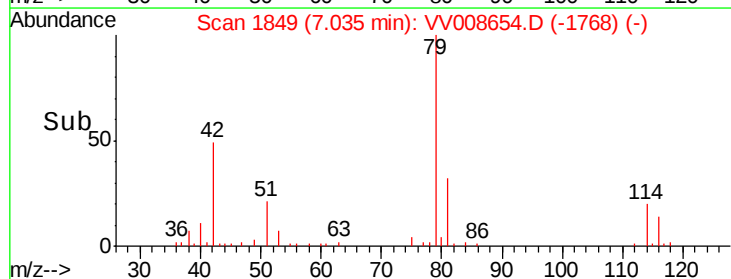
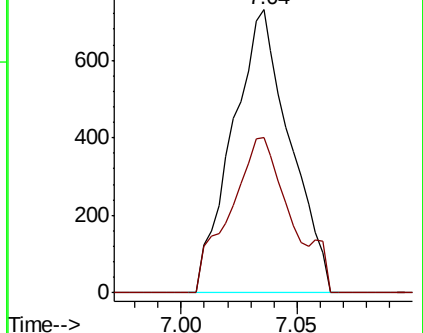
75 100

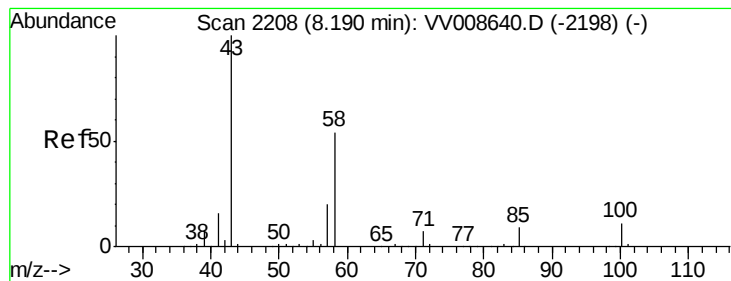
77 54.8 23.0 42.8#



Abundance Ion 75.05 (74.75 to 75.75): VV008654.D (-1849) (-)

Ion 77.05 (76.75 to 77.75): VV008654.D (-1849) (-)





#48
 2-Hexanone
 Concen: 2.195 ug/L
 RT: 8.14 min Scan# 2193
 Delta R.T. -0.05 min
 Lab File: VV008654.D
 Acq: 19 Nov 2018 16:31

Instrument :
 MSVOA_V
 ClientSampleId :
 H0FL5

Tgt Ion:	43	Resp:	9979
Ion	Ratio	Lower	Upper
43	100		
58	31.8	41.8	62.8#
57	26.0	15.4	23.0#
100	0.8	8.7	13.1#

