

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV111918\
 Data File : VV008653.D
 Acq On : 19 Nov 2018 16:06
 Operator : SY/MD
 Sample : J5995-09
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H0FL3

Quant Time: Nov 20 07:53:32 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	147134	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	133136	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	59112	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	27977	4.28	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.60%
7) Chloroethane-d5	1.58	69	24835	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.20%
11) 1,1-Dichloroethene-d2	2.13	63	43121	3.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.00%
20) 2-Butanone-d5	3.98	46	118495	50.67	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.34%
24) Chloroform-d	4.41	84	81317	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
26) 1,2-Dichloroethane-d4	5.09	65	43649	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
32) Benzene-d6	5.10	84	159256	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.60%
36) 1,2-Dichloropropane-d6	6.12	67	51956	4.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.80%
41) Toluene-d8	7.36	98	141745	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.00%
43) trans-1,3-Dichloropropene-	7.67	79	17215	4.03	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.60%
46) 2-Hexanone-d5	8.14	63	93164	48.15	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.30%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	37432	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	49696	4.66	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.20%

Target Compounds

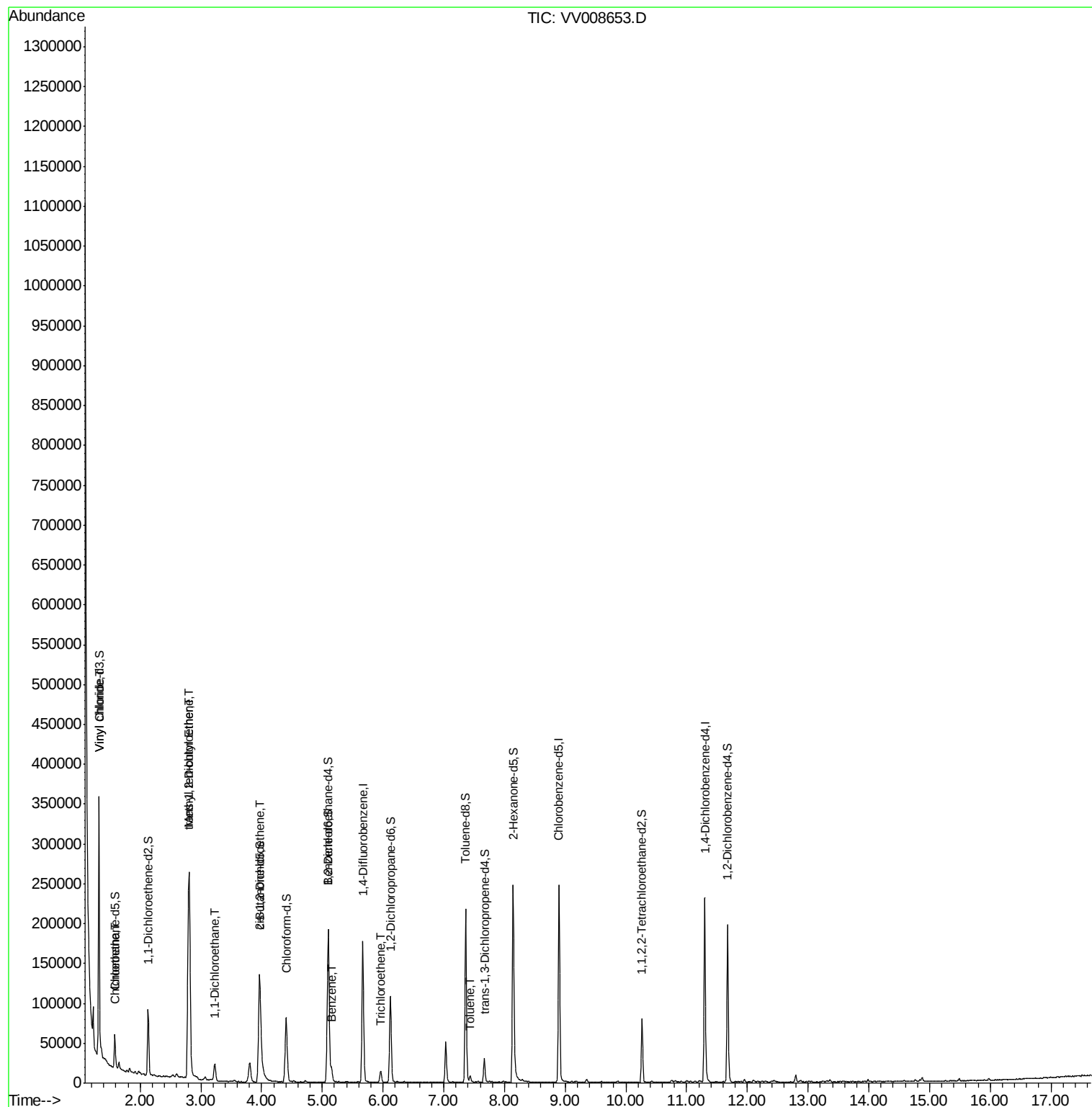
					Ovalue
5) Vinyl chloride	1.32	62	168480	18.106	ug/L 100
8) Chloroethane	1.60	64	2648	0.486	ug/L 96
17) Methyl tert-butyl Ether	2.81	73	218189	12.019	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	53093	7.170	ug/L 96
19) 1,1-Dichloroethane	3.23	63	21292	1.136	ug/L 96
22) cis-1,2-Dichloroethene	3.96	96	52851	4.729	ug/L 93
33) Benzene	5.15	78	16296	0.386	ug/L 100
34) Trichloroethene	5.96	95	4692	0.421	ug/L 97
42) Toluene	7.43	91	5356	0.122	ug/L 89

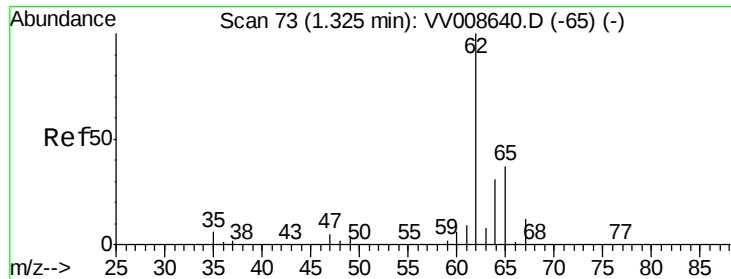
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 20 06:56:52 2018
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 18.106 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV008653.D

Acq: 19 Nov 2018 16:06

Instrument :

MSVOA_V

ClientSampleId :

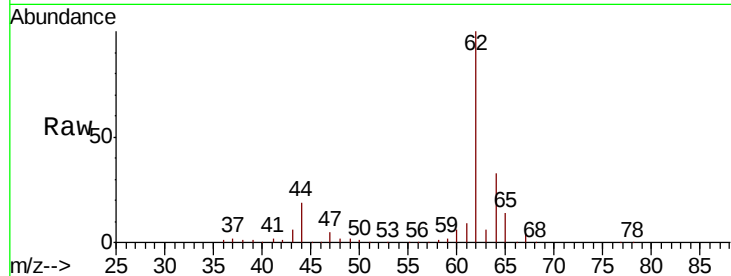
H0FL3

Tot Ion: 62 Resp: 168480

Ion Ratio Lower Upper

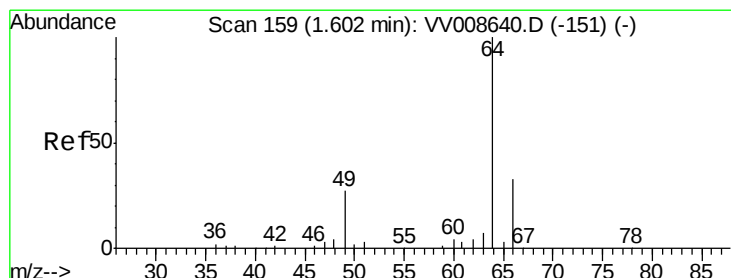
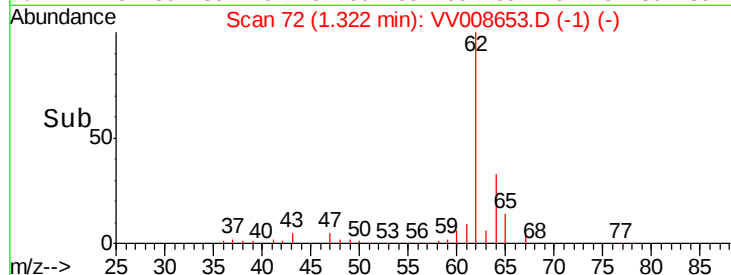
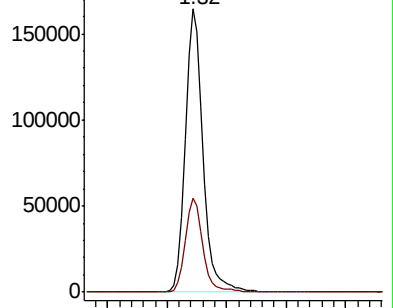
62 100

64 33.3 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VV008640.D (-65) (-)

Ion 64.10 (63.80 to 64.80): VV008653.D (-66) (-)



#8

Chloroethane

Concen: 0.486 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV008653.D

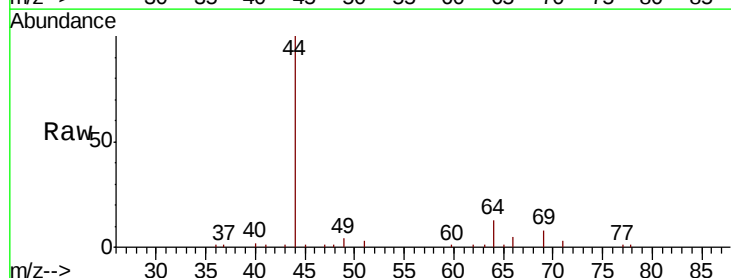
Acq: 19 Nov 2018 16:06

Tgt Ion: 64 Resp: 2648

Ion Ratio Lower Upper

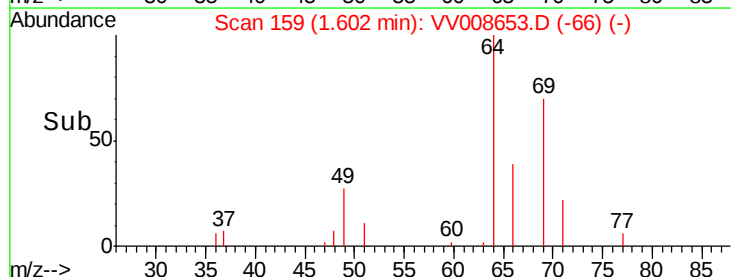
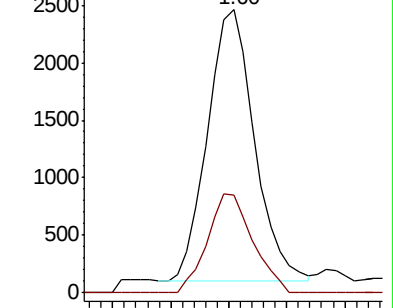
64 100

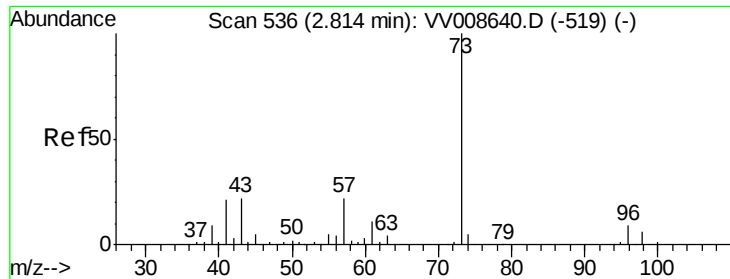
66 34.6 22.7 42.3



Abundance Ion 64.10 (63.80 to 64.80): VV008640.D (-151) (-)

Ion 66.05 (65.75 to 66.75): VV008653.D (-66) (-)

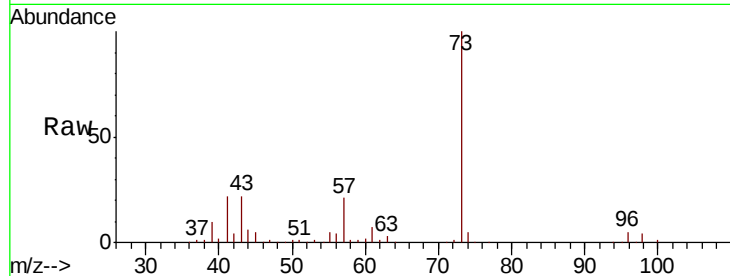




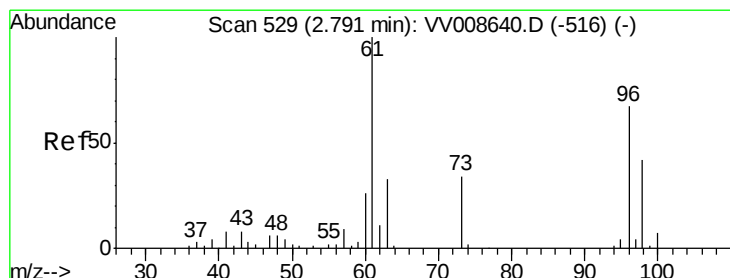
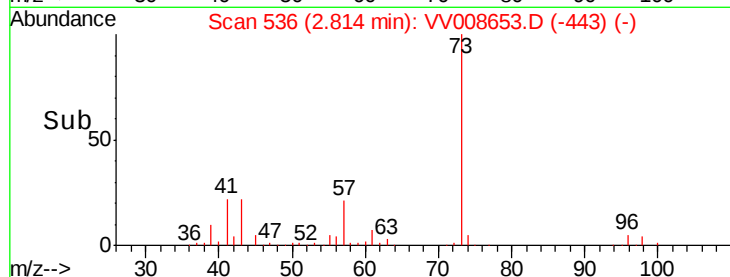
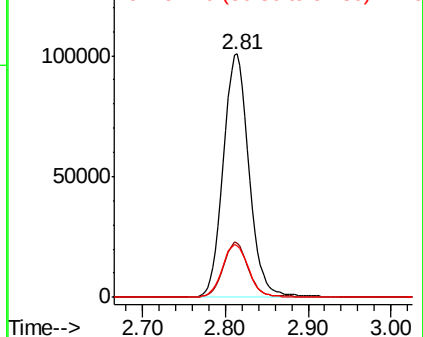
#17
Methvl tert-butvl Ether
Concen: 12.019 ug/L
RT: 2.81 min Scan# 536
Delta R.T. 0.00 min
Lab File: VV008653.D
Acq: 19 Nov 2018 16:06

Instrument :
MSVOA_V
ClientSampleId :
H0FL3

Tot Ion: 73 Resp: 218189
Ion Ratio Lower Upper
73 100
43 21.8 18.1 27.1
57 22.0 17.9 26.9

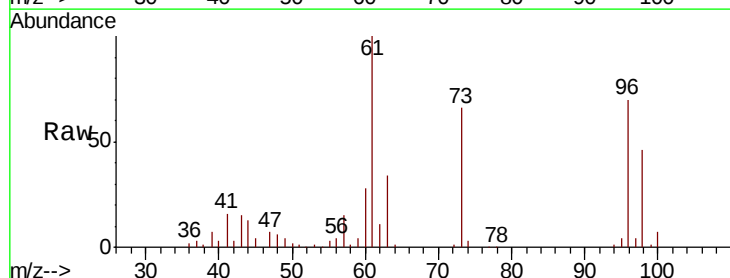


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

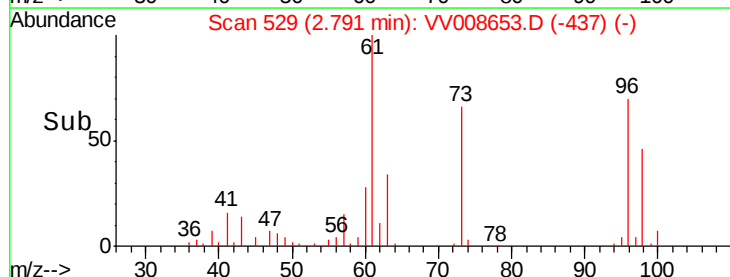
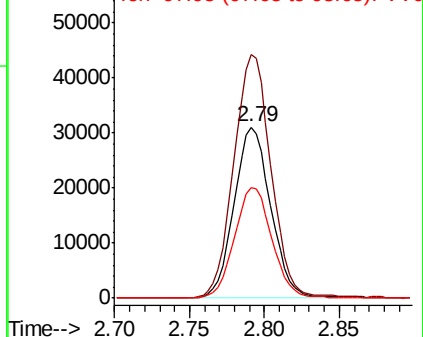


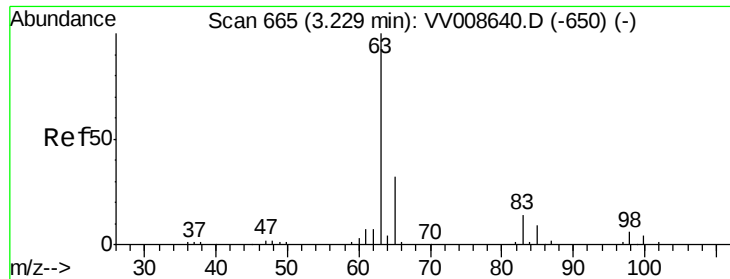
#18
trans-1,2-Dichloroethene
Concen: 7.170 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV008653.D
Acq: 19 Nov 2018 16:06

Tgt Ion: 96 Resp: 53093
Ion Ratio Lower Upper
96 100
61 142.3 97.1 180.3
98 65.0 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

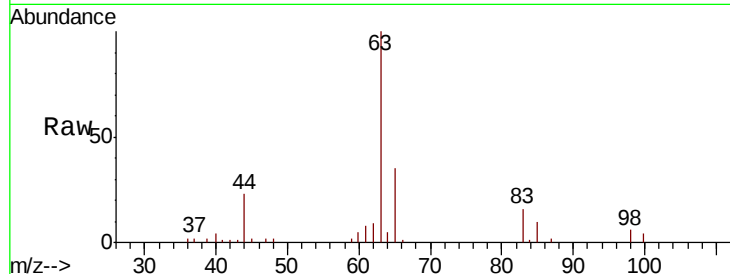




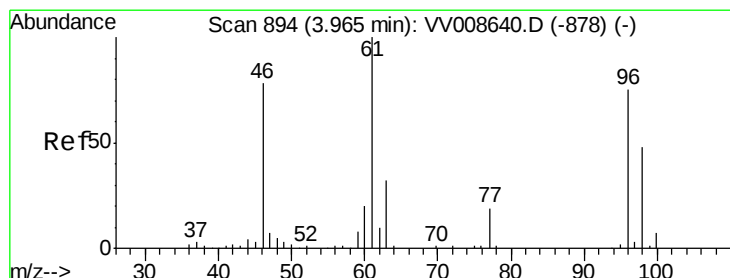
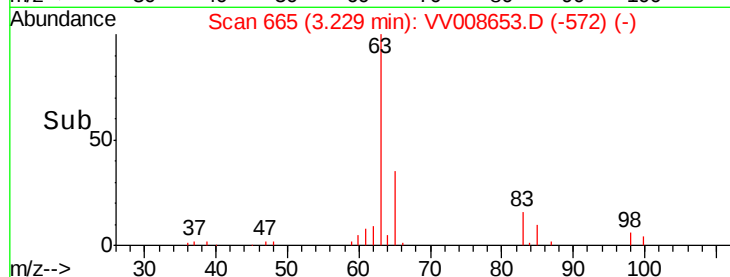
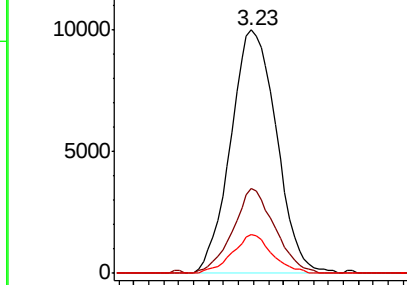
#19
 1,1-Dichloroethane
 Concen: 1.136 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV008653.D
 Acq: 19 Nov 2018 16:06

Instrument :
 MSVOA_V
 ClientSampleId :
 H0FL3

Tot Ion: 63 Resp: 21292
 Ion Ratio Lower Upper
 63 100
 65 35.0 23.2 43.0
 83 16.0 9.5 17.7

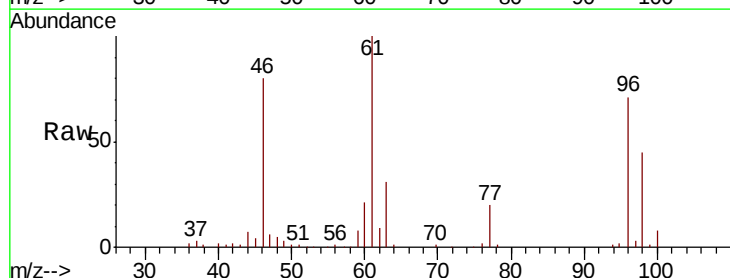


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

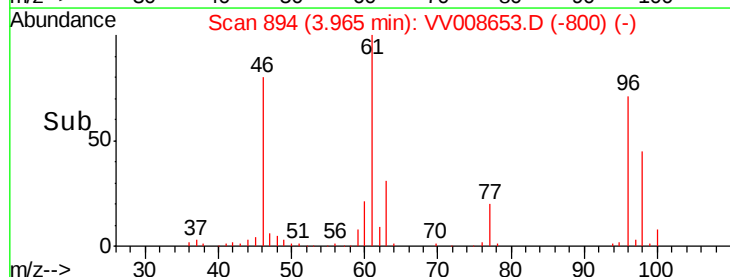
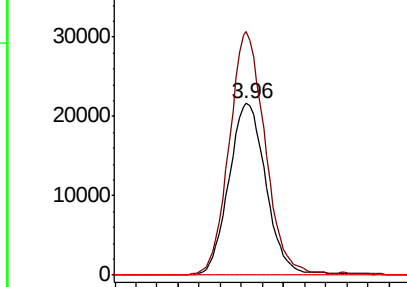


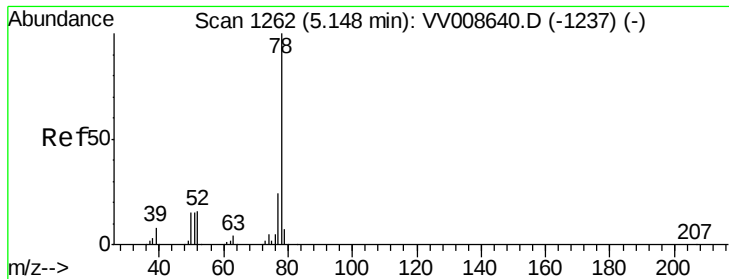
#22
 cis-1,2-Dichloroethene
 Concen: 4.729 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: VV008653.D
 Acq: 19 Nov 2018 16:06

Tgt Ion: 96 Resp: 52851
 Ion Ratio Lower Upper
 96 100
 61 141.8 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: 0.386 ug/L

RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VV008653.D

Acq: 19 Nov 2018 16:06

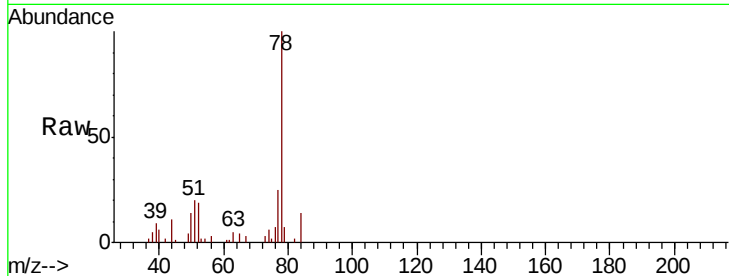
Instrument :

MSVOA_V

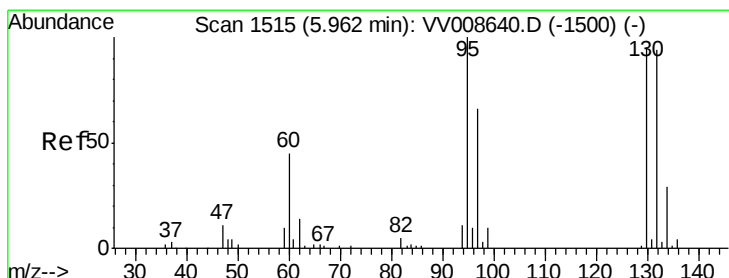
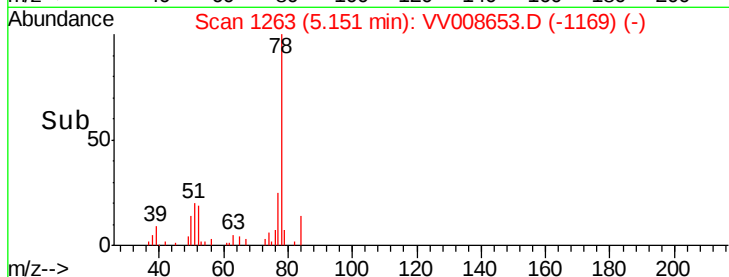
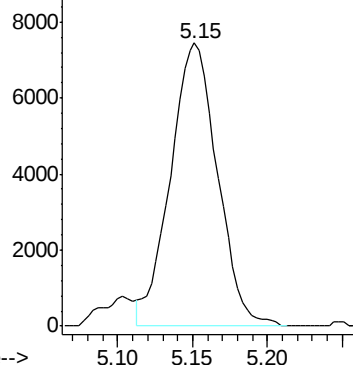
ClientSampleId :

H0FL3

Tgt Ion: 78 Resp: 16296



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 0.421 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV008653.D

Acq: 19 Nov 2018 16:06

Tgt Ion: 95 Resp: 4692

Ion	Ratio	Lower	Upper
95	100		
97	63.3	45.1	83.7
132	98.5	66.3	123.1
130	92.7	68.0	126.4

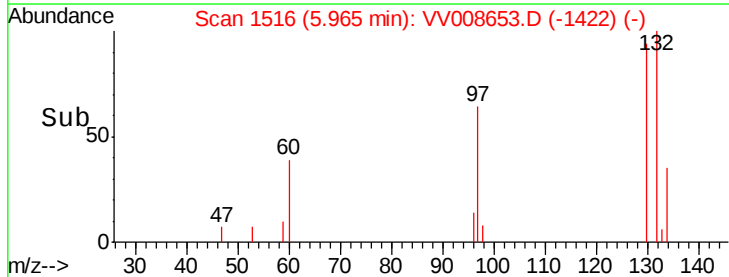
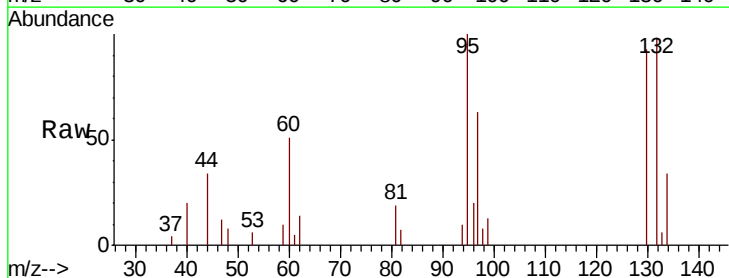
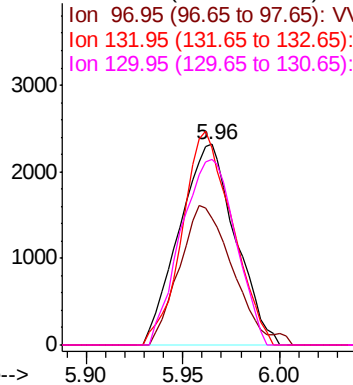
Ion 95.00 (94.70 to 95.70): VV0

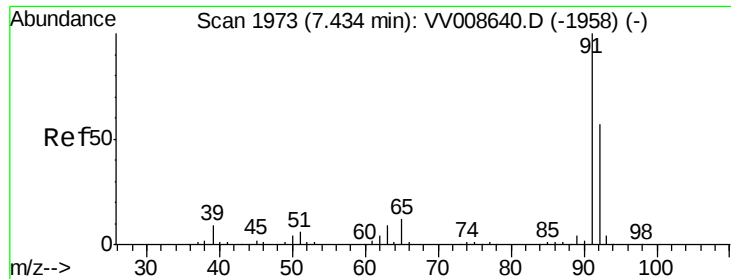
Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0





#42

Toluene

Concen: 0.122 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008653.D

Acq: 19 Nov 2018 16:06

Instrument :

MSVOA_V

ClientSampleId :

H0FL3

Tot Ion: 91 Resp: 5356

Ion Ratio Lower Upper

91 100

92 63.5 39.1 72.5

