

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV111918\
 Data File : VV008651.D
 Acq On : 19 Nov 2018 15:15
 Operator : SY/MD
 Sample : J5995-07
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H0FK6

Quant Time: Nov 20 07:44:03 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	156441	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	138777	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	61448	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	28350	4.08	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.60%
7) Chloroethane-d5	1.59	69	24117	4.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.20%
11) 1,1-Dichloroethene-d2	2.14	63	43782	3.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.20%
20) 2-Butanone-d5	3.96	46	110851	44.58	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.16%
24) Chloroform-d	4.41	84	80450	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.80%
26) 1,2-Dichloroethane-d4	5.09	65	42420	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.80%
32) Benzene-d6	5.10	84	157079	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.80%
36) 1,2-Dichloropropane-d6	6.12	67	52236	4.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.40%
41) Toluene-d8	7.36	98	143819	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.60%
43) trans-1,3-Dichloropropene-	7.67	79	16910	3.80	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.00%
46) 2-Hexanone-d5	8.14	63	83869	41.58	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.16%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	35758	4.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	49113	4.43	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.60%

Target Compounds

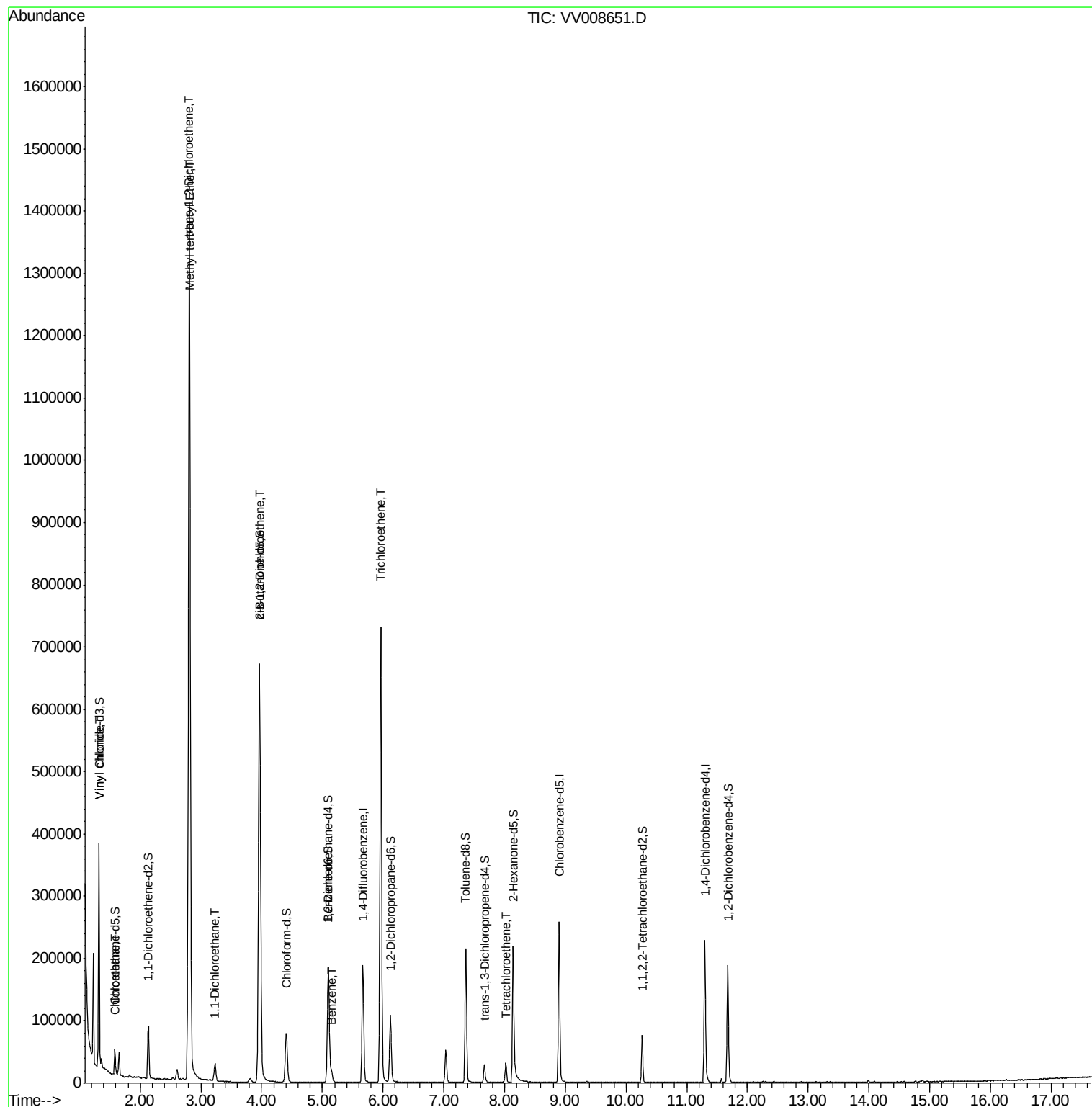
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	74953	7.576	ug/L	100
8) Chloroethane	1.60	64	1762	0.304	ug/L	94
17) Methyl tert-butyl Ether	2.81	73	1414903	73.303	ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	34801	4.420	ug/L	94
19) 1,1-Dichloroethane	3.23	63	29138	1.463	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	346407	29.151	ug/L	97
33) Benzene	5.15	78	17684	0.402	ug/L	100
34) Trichloroethene	5.96	95	259660	22.328	ug/L	99
47) Tetrachloroethene	8.02	164	6488	0.771	ug/L	91

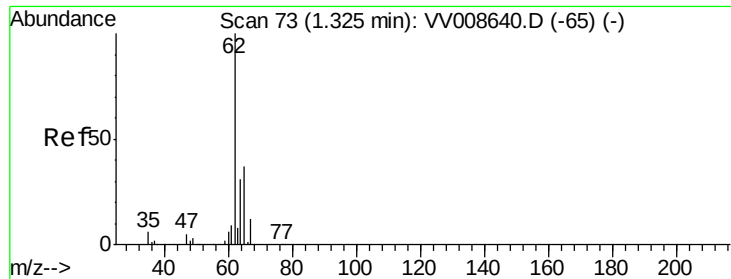
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 7.576 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV008651.D

Acq: 19 Nov 2018 15:15

Instrument :

MSVOA_V

ClientSampleId :

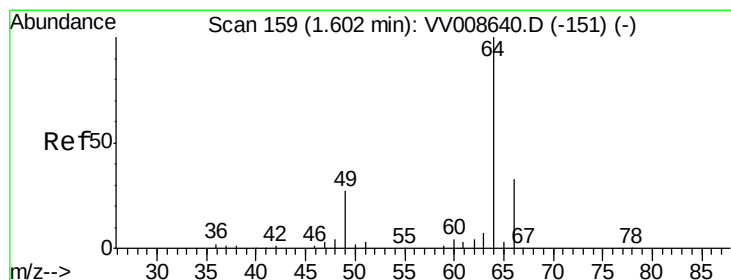
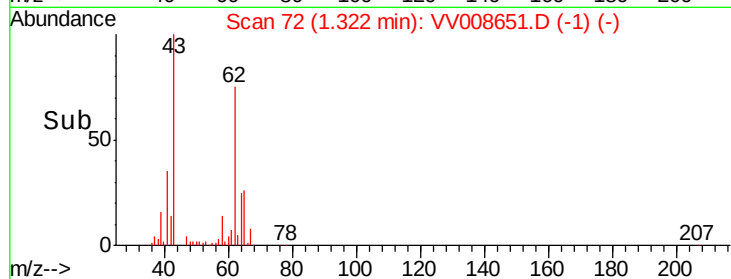
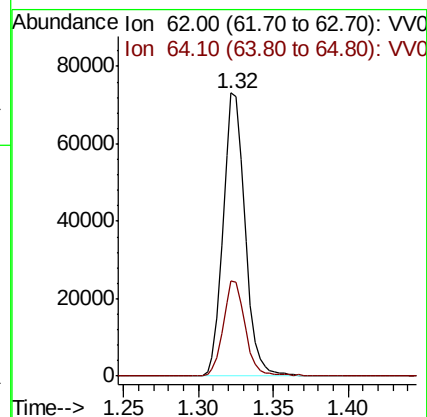
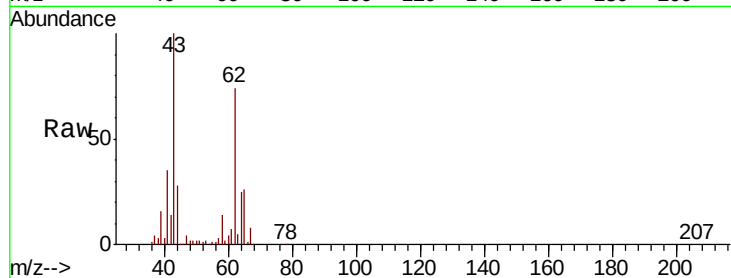
H0FK6

Tot Ion: 62 Resp: 74953

Ion Ratio Lower Upper

62 100

64 33.6 23.4 43.4



#8

Chloroethane

Concen: 0.304 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV008651.D

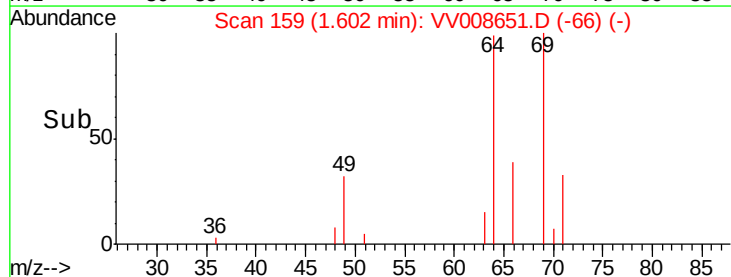
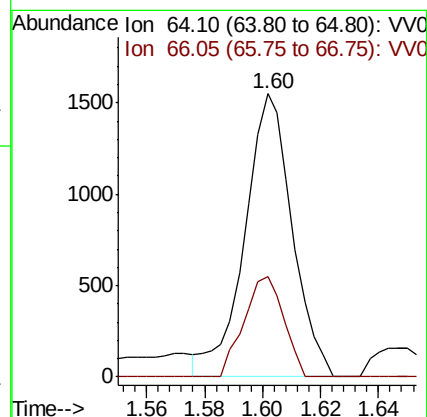
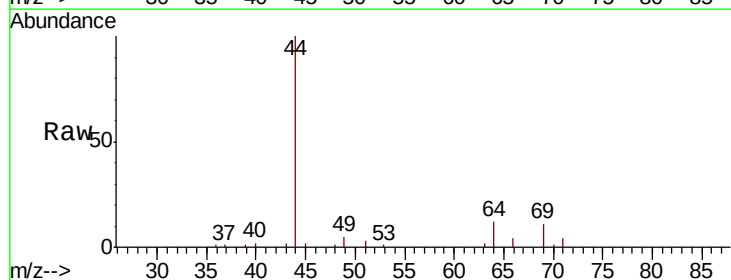
Acq: 19 Nov 2018 15:15

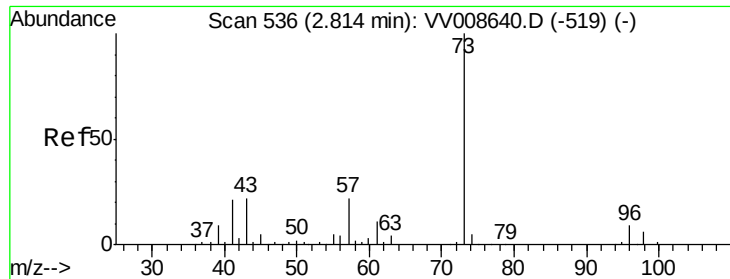
Tgt Ion: 64 Resp: 1762

Ion Ratio Lower Upper

64 100

66 35.6 22.7 42.3

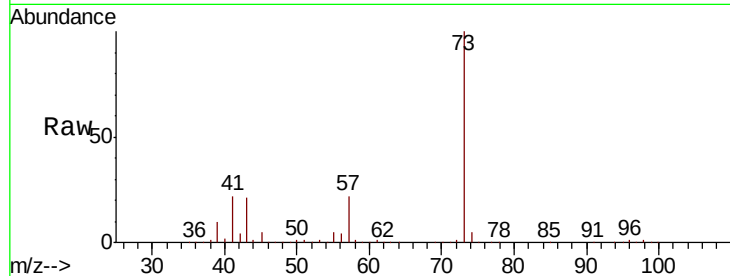




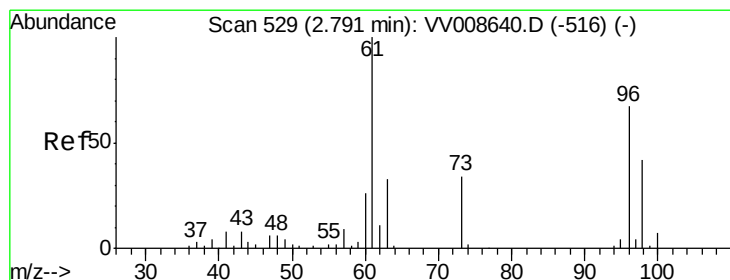
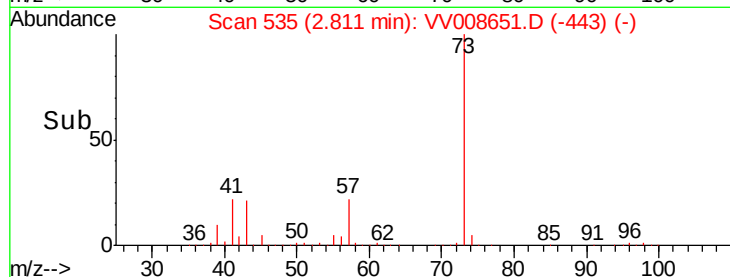
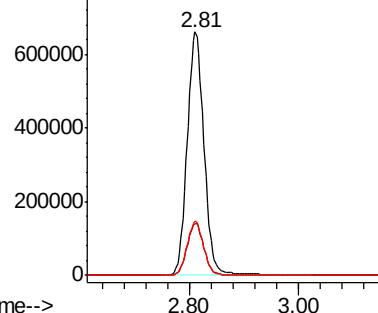
#17
Methyl tert-butyl Ether
Concen: 73.303 ug/L
RT: 2.81 min Scan# 535
Delta R.T. -0.00 min
Lab File: VV008651.D
Acq: 19 Nov 2018 15:15

Instrument :
MSVOA_V
ClientSampleId :
H0FK6

Tot Ion: 73 Resp: 1414903
Ion Ratio Lower Upper
73 100
43 21.3 18.1 27.1
57 21.8 17.9 26.9

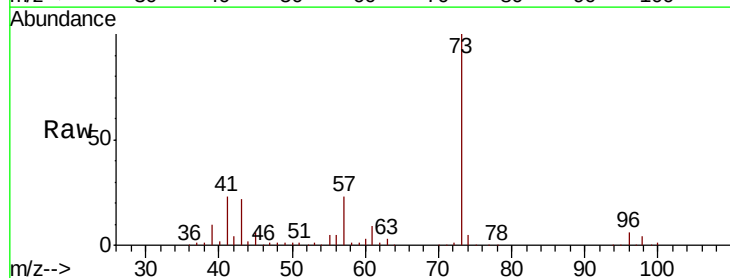


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

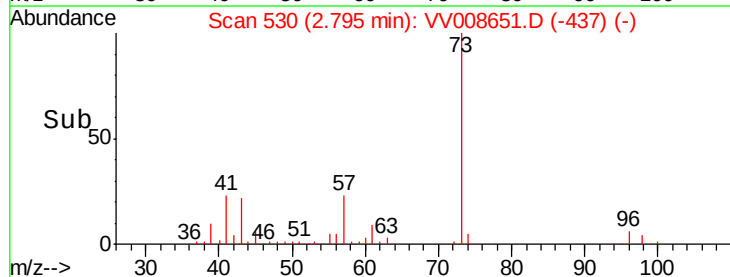
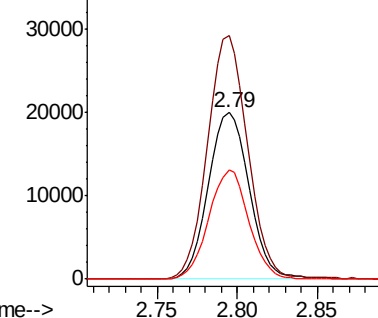


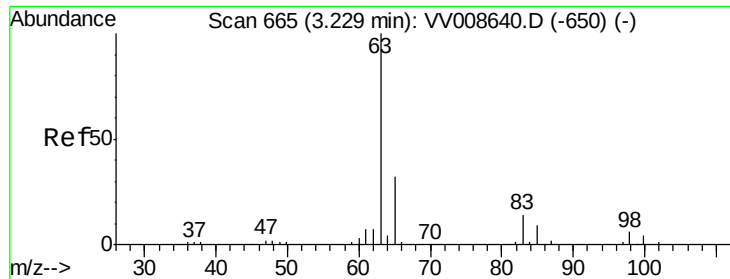
#18
trans-1,2-Dichloroethene
Concen: 4.420 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV008651.D
Acq: 19 Nov 2018 15:15

Tgt Ion: 96 Resp: 34801
Ion Ratio Lower Upper
96 100
61 146.2 97.1 180.3
98 65.2 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: 1.463 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV008651.D

Acq: 19 Nov 2018 15:15

Instrument :

MSVOA_V

ClientSampleId :

H0FK6

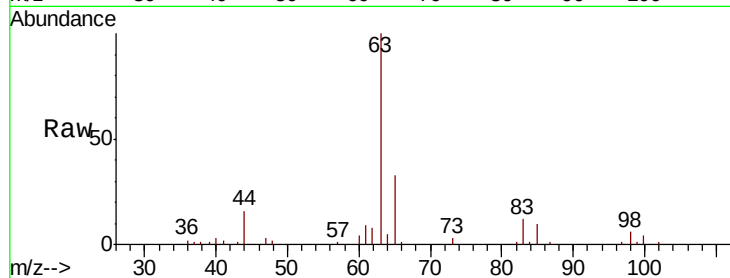
Tot Ion: 63 Resp: 29138

Ion Ratio Lower Upper

63 100

65 32.5 23.2 43.0

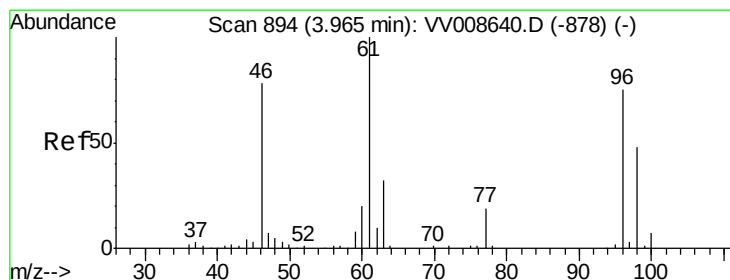
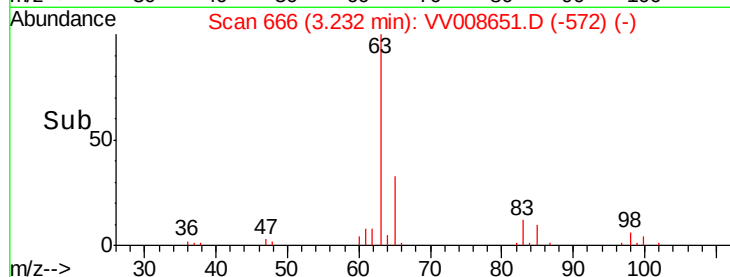
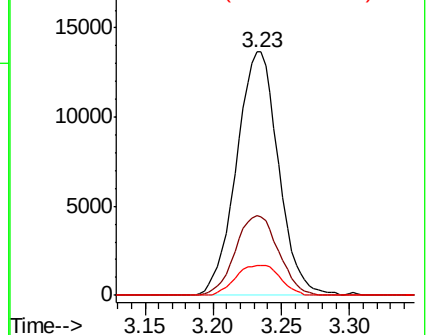
83 12.1 9.5 17.7



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: 29.151 ug/L

RT: 3.96 min Scan# 894

Delta R.T. 0.00 min

Lab File: VV008651.D

Acq: 19 Nov 2018 15:15

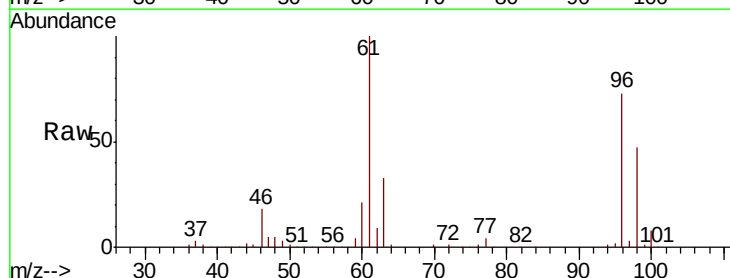
Tgt Ion: 96 Resp: 346407

Ion Ratio Lower Upper

96 100

61 136.2 93.2 173.2

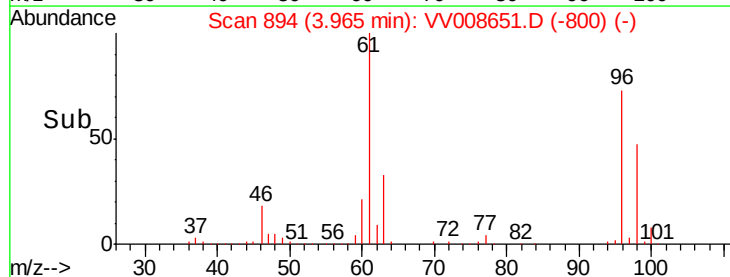
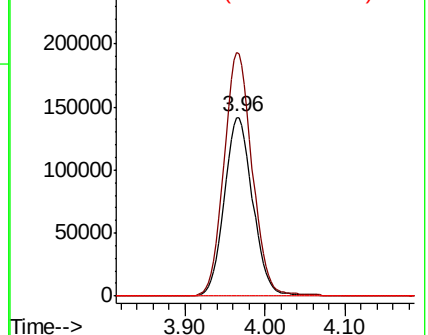
68 0.0 0.0 0.0

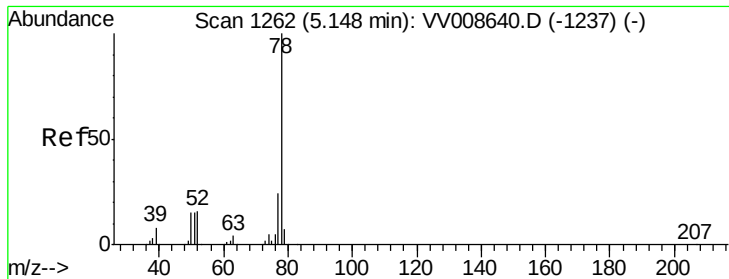


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0





#33

Benzene

Concen: 0.402 ug/L

RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VV008651.D

Acq: 19 Nov 2018 15:15

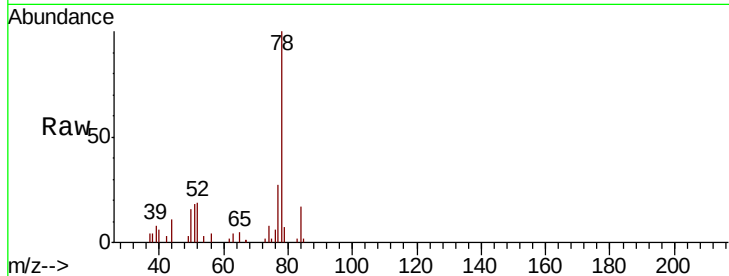
Instrument :

MSVOA_V

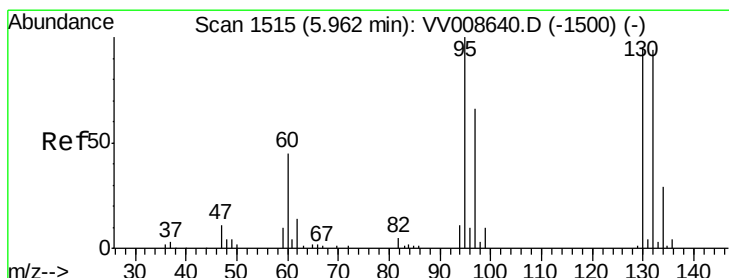
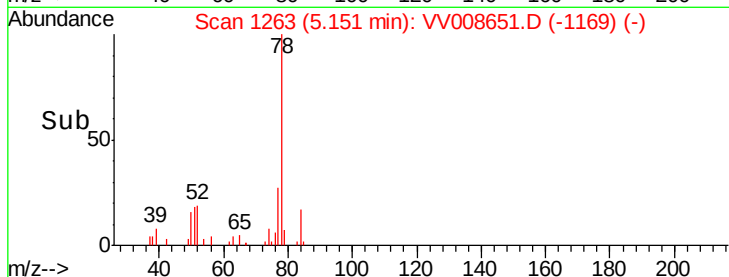
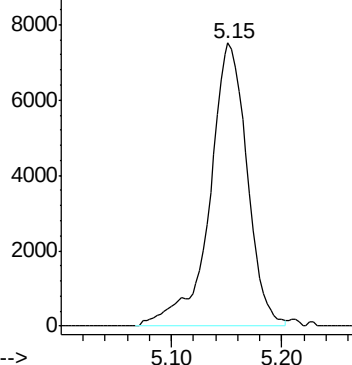
ClientSampleId :

H0FK6

Tgt Ion: 78 Resp: 17684



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 22.328 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV008651.D

Acq: 19 Nov 2018 15:15

Tgt Ion: 95 Resp: 259660

Ion	Ratio	Lower	Upper
95	100		
97	65.1	45.1	83.7
132	93.0	66.3	123.1
130	95.7	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

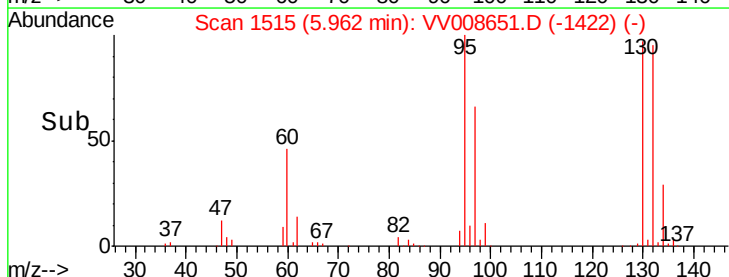
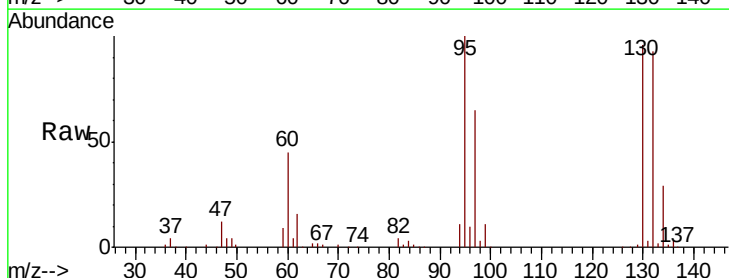
Ion 129.95 (129.65 to 130.65): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

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

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

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

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

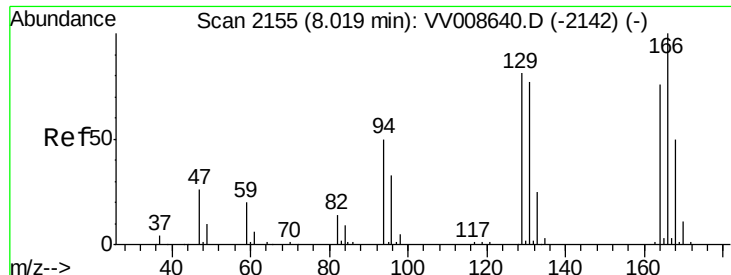
Ion 95.00 (94.70 to 95.70): VV0

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

Time-->



#47

Tetrachloroethene

Concen: 0.771 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV008651.D

Acq: 19 Nov 2018 15:15

Instrument :

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ClientSampleId :

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Tot Ion:164 Resp: 6488

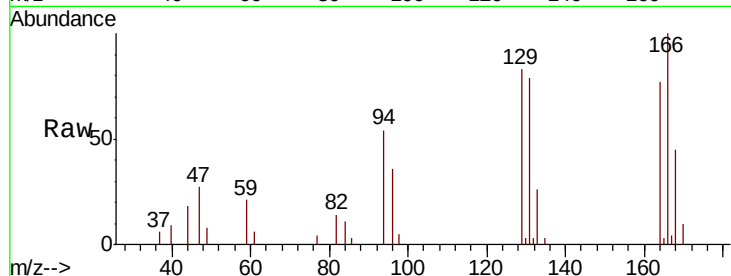
Ion Ratio Lower Upper

164 100

129 108.1 67.5 125.4

131 102.8 66.4 123.4

166 129.7 85.8 159.3



Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

