

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV111918\
 Data File : VV008647.D
 Acq On : 19 Nov 2018 13:34
 Operator : SY/MD
 Sample : J5995-03MSD
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H0FG6MSD

Quant Time: Nov 20 07:23:51 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	148083	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	133549	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	58502	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	29676	4.51	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.20%
7) Chloroethane-d5	1.58	69	23229	4.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.80%
11) 1,1-Dichloroethene-d2	2.14	63	64205	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.20%
20) 2-Butanone-d5	3.96	46	115484	49.07	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.14%
24) Chloroform-d	4.41	84	79288	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
26) 1,2-Dichloroethane-d4	5.09	65	43463	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
32) Benzene-d6	5.10	84	158562	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
36) 1,2-Dichloropropane-d6	6.12	67	52294	4.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.00%
41) Toluene-d8	7.36	98	144565	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.40%
43) trans-1,3-Dichloropropene-	7.67	79	18053	4.21	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.20%
46) 2-Hexanone-d5	8.14	63	87034	44.84	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.68%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	35993	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.80%
64) 1,2-Dichlorobenzene-d4	11.68	152	49360	4.67	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.40%

Target Compounds

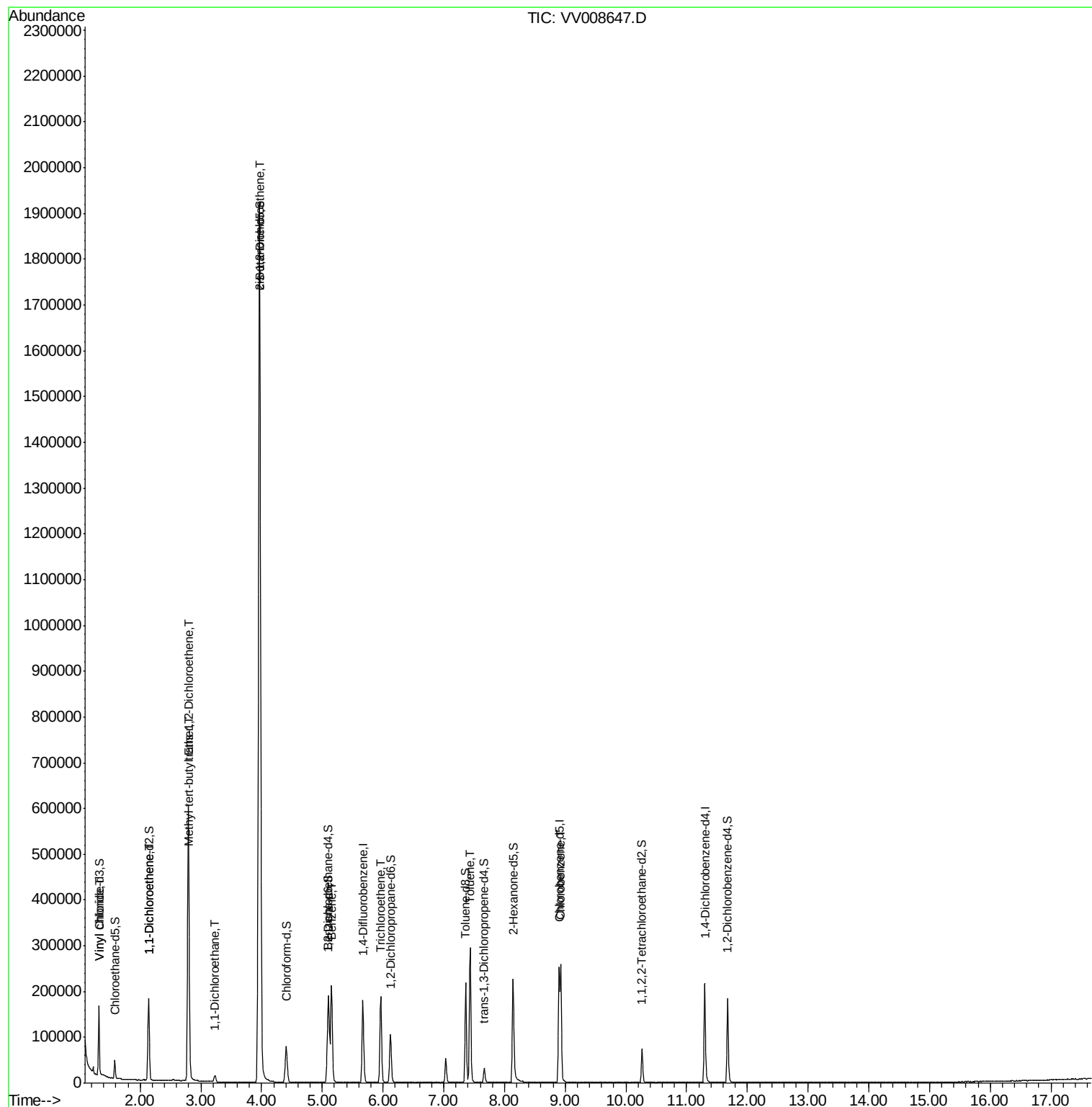
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	63158	6.744	ug/L	100
12) 1,1-Dichloroethene	2.14	96	37705	5.492	ug/L	95
17) Methyl tert-butyl Ether	2.81	73	45345	2.482	ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	210972	28.308	ug/L	96
19) 1,1-Dichloroethane	3.23	63	14251	0.756	ug/L	97
22) cis-1,2-Dichloroethene	3.97	96	1033392	91.872	ug/L	100
33) Benzene	5.15	78	208624	4.927	ug/L	100
34) Trichloroethene	5.96	95	68356	6.108	ug/L	95
42) Toluene	7.43	91	209294	4.744	ug/L	94
51) Chlorobenzene	8.93	112	130010	4.776	ug/L	97

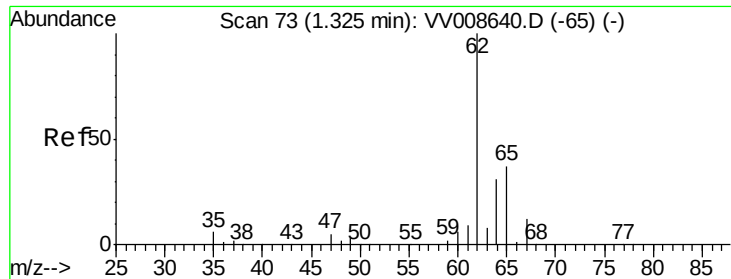
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 6.744 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV008647.D

Acq: 19 Nov 2018 13:34

Instrument :

MSVOA_V

ClientSampleId :

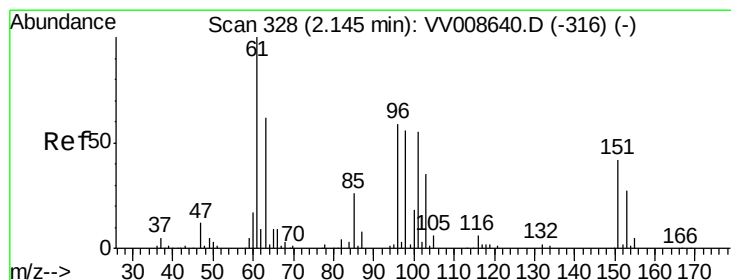
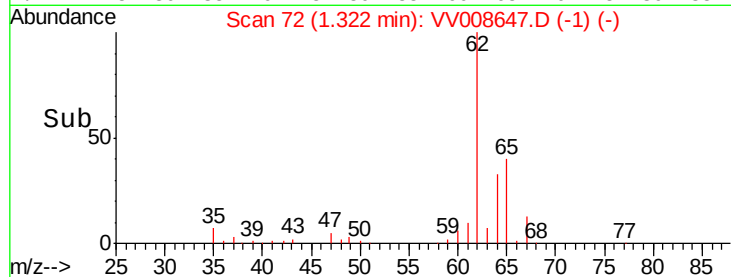
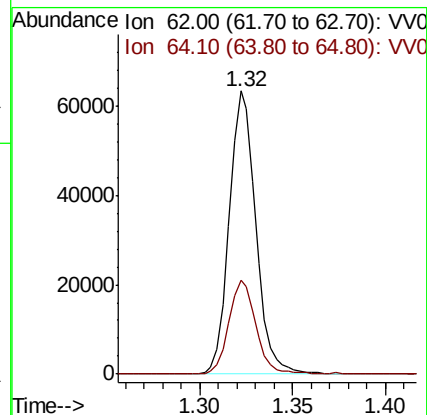
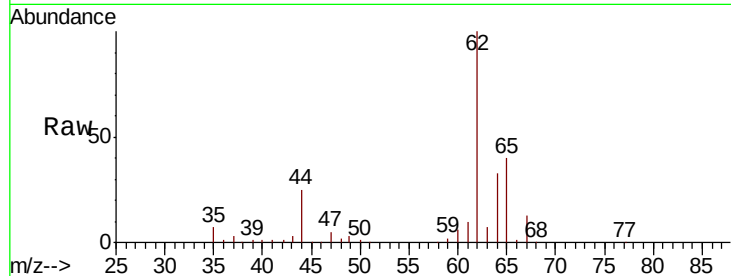
H0FG6MSD

Tot Ion: 62 Resp: 63158

Ion Ratio Lower Upper

62 100

64 33.3 23.4 43.4



#12

1,1-Dichloroethene

Concen: 5.492 ug/L

RT: 2.14 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV008647.D

Acq: 19 Nov 2018 13:34

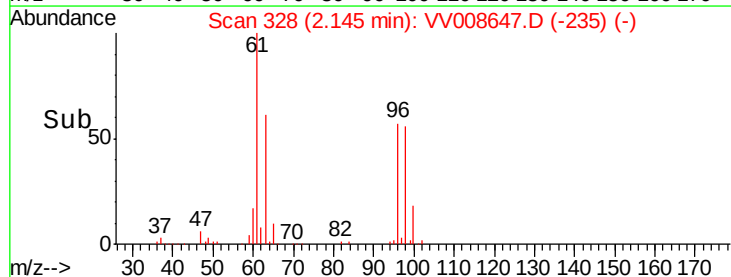
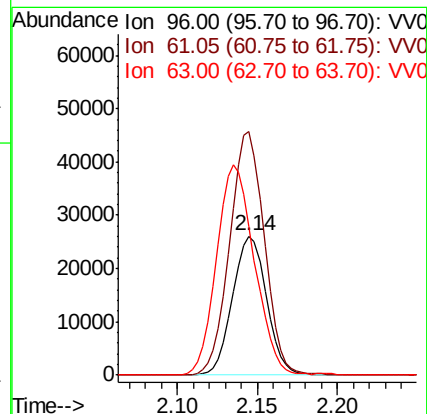
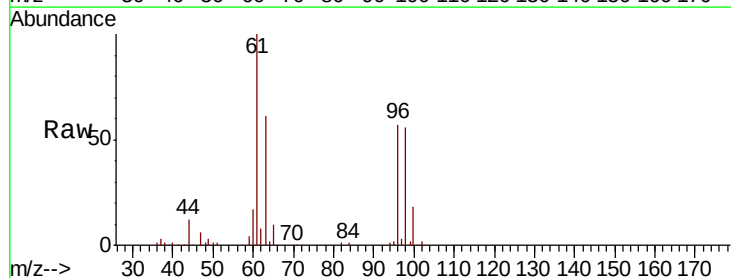
Tgt Ion: 96 Resp: 37705

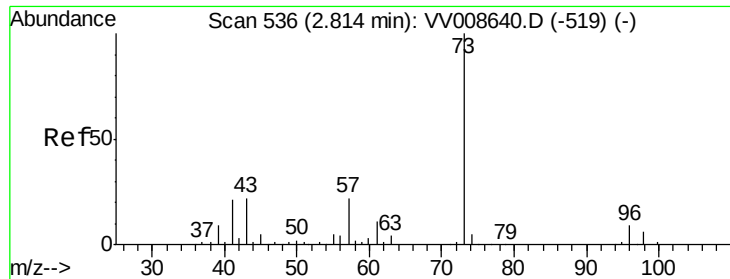
Ion Ratio Lower Upper

96 100

61 174.9 120.3 223.5

63 107.0 82.5 153.3



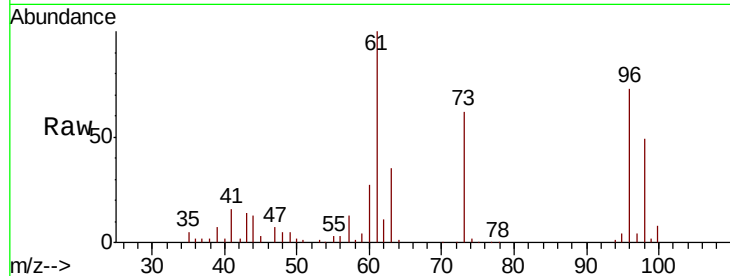


#17

Methyl tert-butyl Ether
 Concen: 2.482 ug/L
 RT: 2.81 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VV008647.D
 Acq: 19 Nov 2018 13:34

Instrument :
 MSVOA_V
 ClientSampleId :
 H0FG6MSD

Tot Ion	Ratio	Lower	Upper
73	100		
43	20.2	18.1	27.1
57	22.6	17.9	26.9

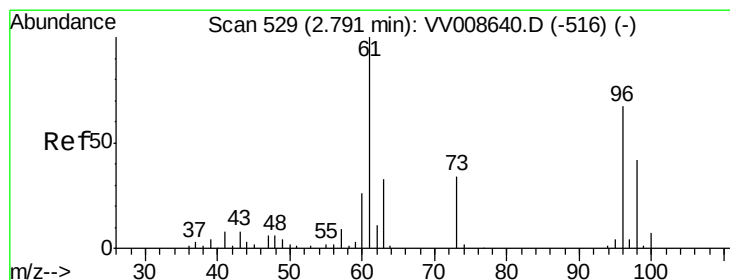
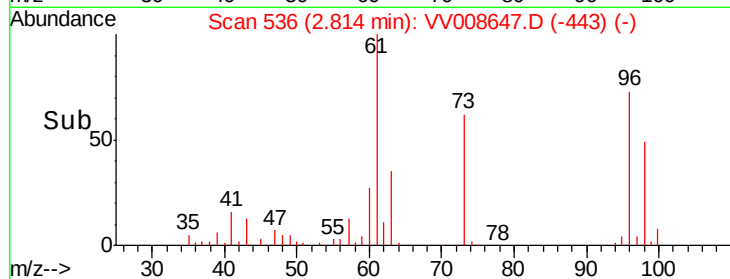
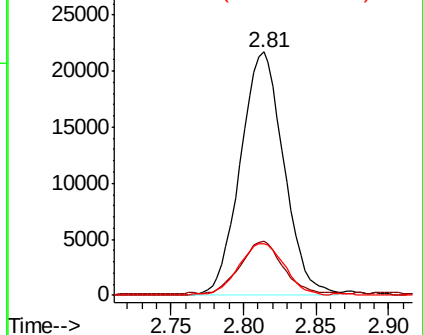


Abundance

Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

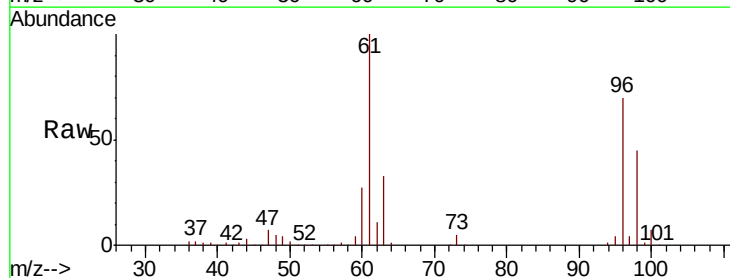
Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene
 Concen: 28.308 ug/L
 RT: 2.79 min Scan# 530
 Delta R.T. 0.00 min
 Lab File: VV008647.D
 Acq: 19 Nov 2018 13:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.7	97.1	180.3
98	63.5	41.9	77.7

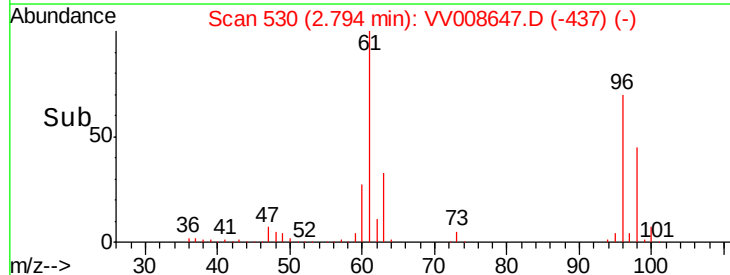
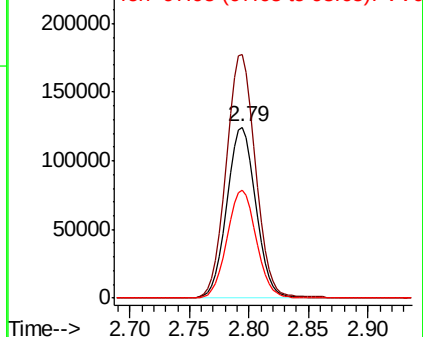


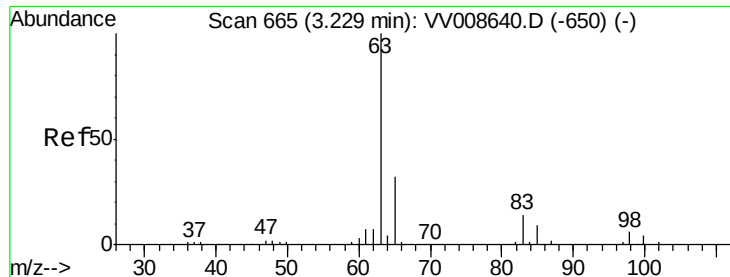
Abundance

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

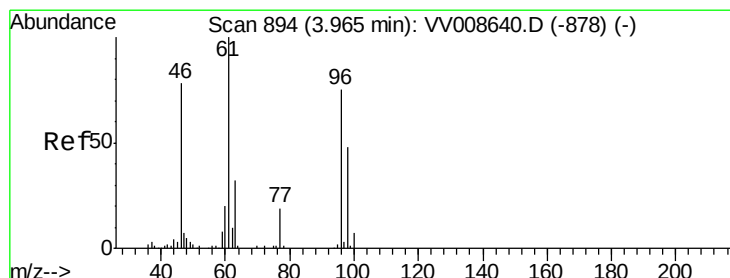
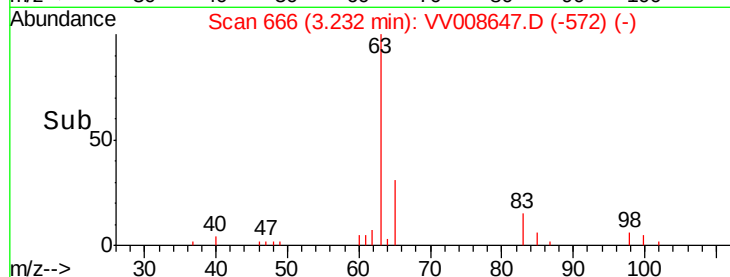
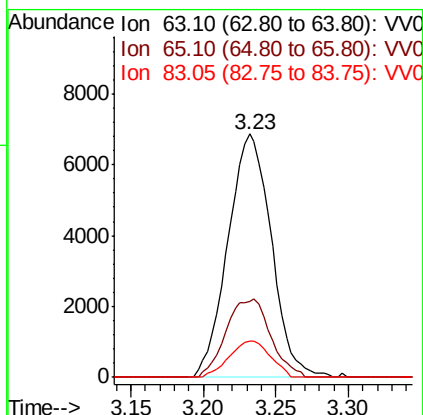
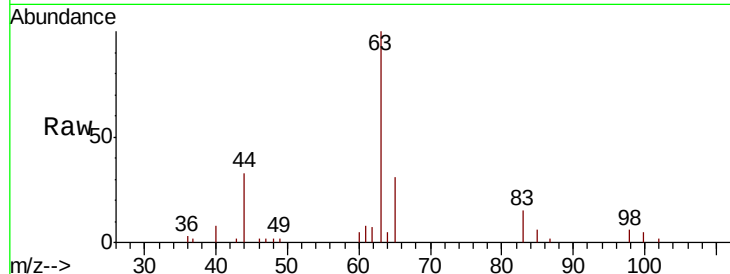




#19
 1,1-Dichloroethane
 Concen: 0.756 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV008647.D
 Acq: 19 Nov 2018 13:34

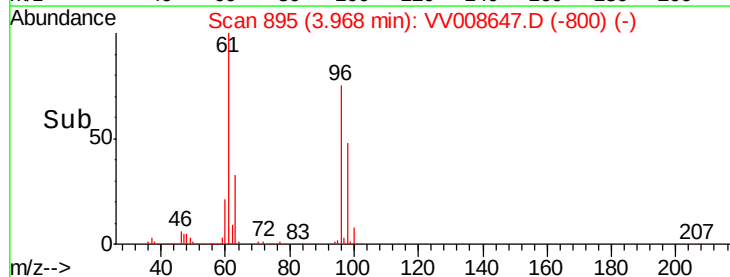
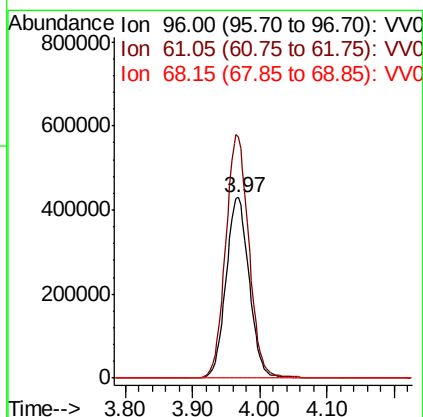
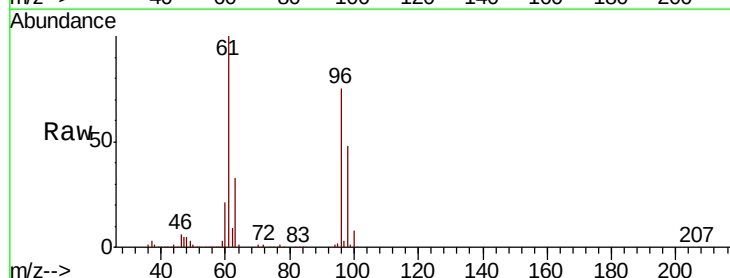
Instrument :
 MSVOA_V
 ClientSampleId :
 H0FG6MSD

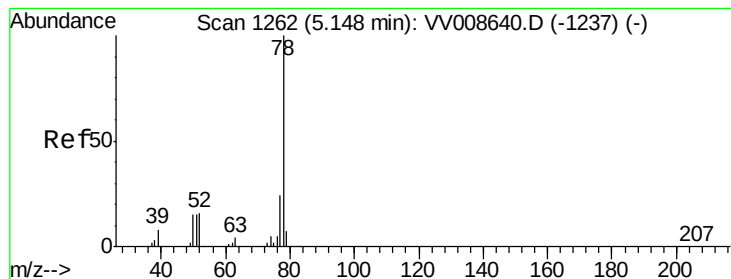
Tot Ion: 63 Resp: 14251
 Ion Ratio Lower Upper
 63 100
 65 31.4 23.2 43.0
 83 15.0 9.5 17.7



#22
 cis-1,2-Dichloroethene
 Concen: 91.872 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.01 min
 Lab File: VV008647.D
 Acq: 19 Nov 2018 13:34

Tgt Ion: 96 Resp: 1033392
 Ion Ratio Lower Upper
 96 100
 61 133.8 93.2 173.2
 68 0.0 0.0 0.0





#33

Benzene

Concen: 4.927 ug/L

RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VV008647.D

Acq: 19 Nov 2018 13:34

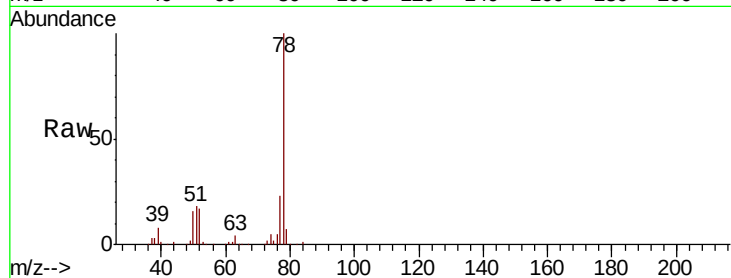
Instrument :

MSVOA_V

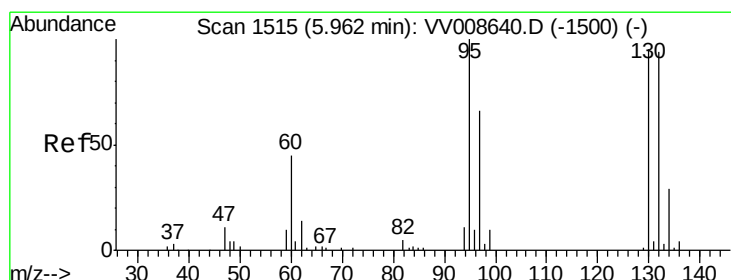
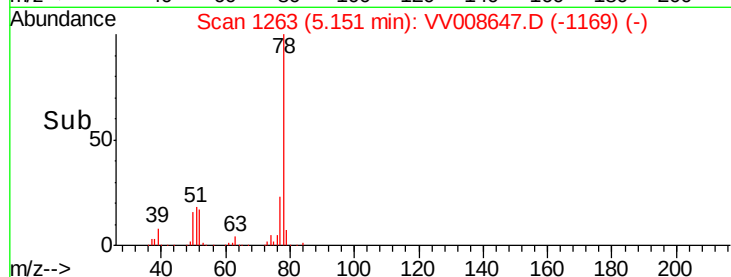
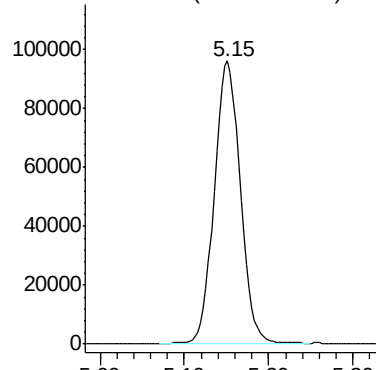
ClientSampleId :

H0FG6MSD

Tgt Ion: 78 Resp: 208624



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 6.108 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV008647.D

Acq: 19 Nov 2018 13:34

Tgt Ion: 95 Resp: 68356

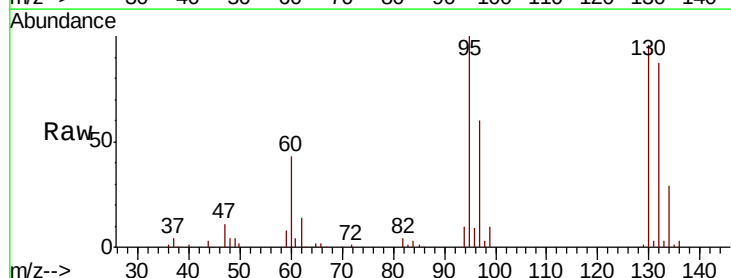
Ion	Ratio	Lower	Upper
95	100		
97	59.9	45.1	83.7
132	86.8	66.3	123.1
130	96.2	68.0	126.4

Ion 95.00 (94.70 to 95.70): VV0

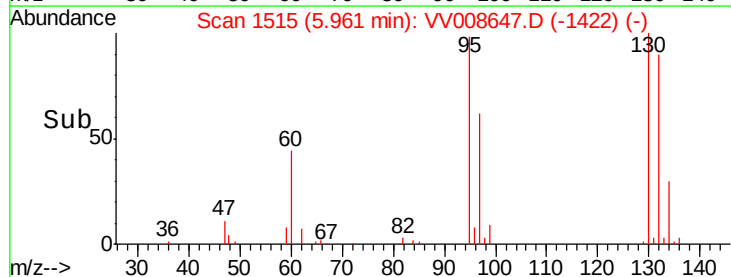
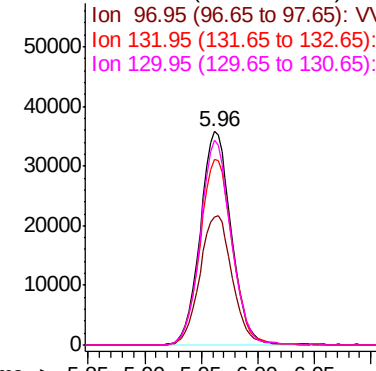
Ion 96.95 (96.65 to 97.65): VV0

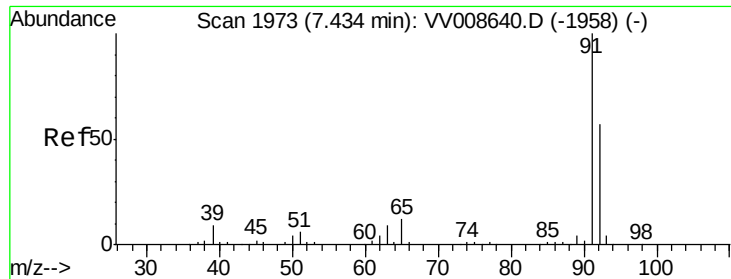
Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



Abundance Ion 95.00 (94.70 to 95.70): VV0





#42

Toluene

Concen: 4.744 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008647.D

Acq: 19 Nov 2018 13:34

Instrument :

MSVOA_V

ClientSampleId :

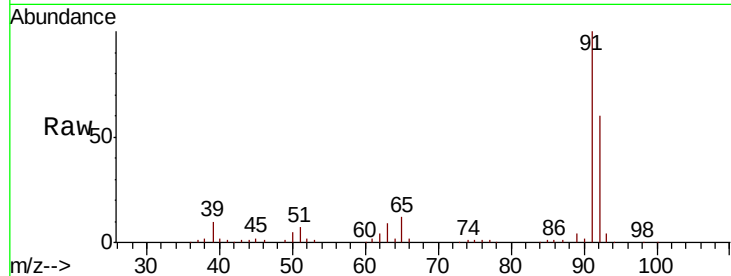
H0FG6MSD

Tot Ion: 91 Resp: 209294

Ion Ratio Lower Upper

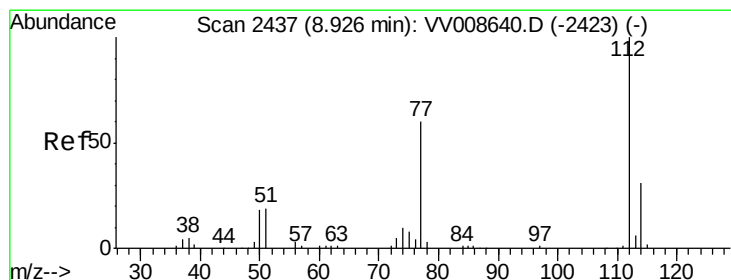
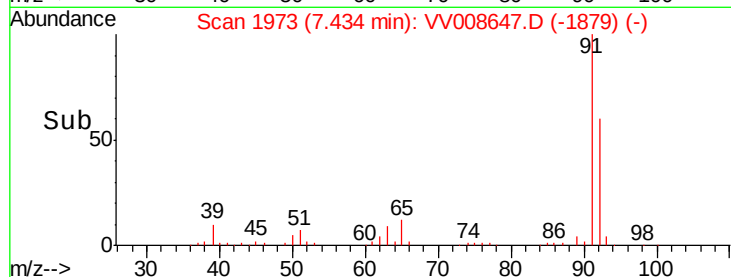
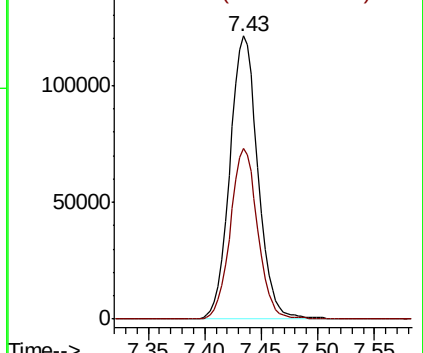
91 100

92 60.2 39.1 72.5



Abundance Ion 91.15 (90.85 to 91.85): VV008647.D (-1879) (-)

Ion 92.15 (91.85 to 92.85): VV008647.D (-1879) (-)



#51

Chlorobenzene

Concen: 4.776 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV008647.D

Acq: 19 Nov 2018 13:34

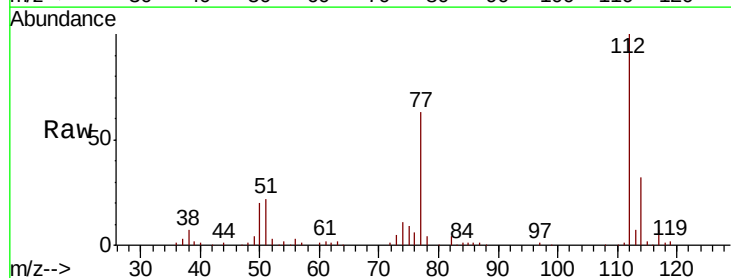
Tgt Ion: 112 Resp: 130010

Ion Ratio Lower Upper

112 100

114 31.6 21.9 40.7

77 63.1 47.9 71.9



Abundance Ion 112.10 (111.80 to 112.80): VV008647.D (-2344) (-)

Ion 114.05 (113.75 to 114.75): VV008647.D (-2344) (-)

Ion 77.10 (76.80 to 77.80): VV008647.D (-2344) (-)

