

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 07:00:00 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

					Qvalue
5) Vinyl chloride	1.32	62	63158	6.744 ug/L	100
8) Chloroethane	1.32	64	19993	3.644 ug/L #	48
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
35) Methylcyclohexane	6.12	83	11926	0.629 ug/L #	17
37) 1,2-Dichloropropane	6.12	63	5659	0.509 ug/L #	89
39) cis-1,3-Dichloropropene	7.03	75	1243	0.083 ug/L #	67
42) Toluene	7.43	91	209294	4.744 ug/L	94
48) 2-Hexanone	8.14	43	10253	2.332 ug/L #	78
51) Chlorobenzene	8.93	112	130010	4.776 ug/L	97

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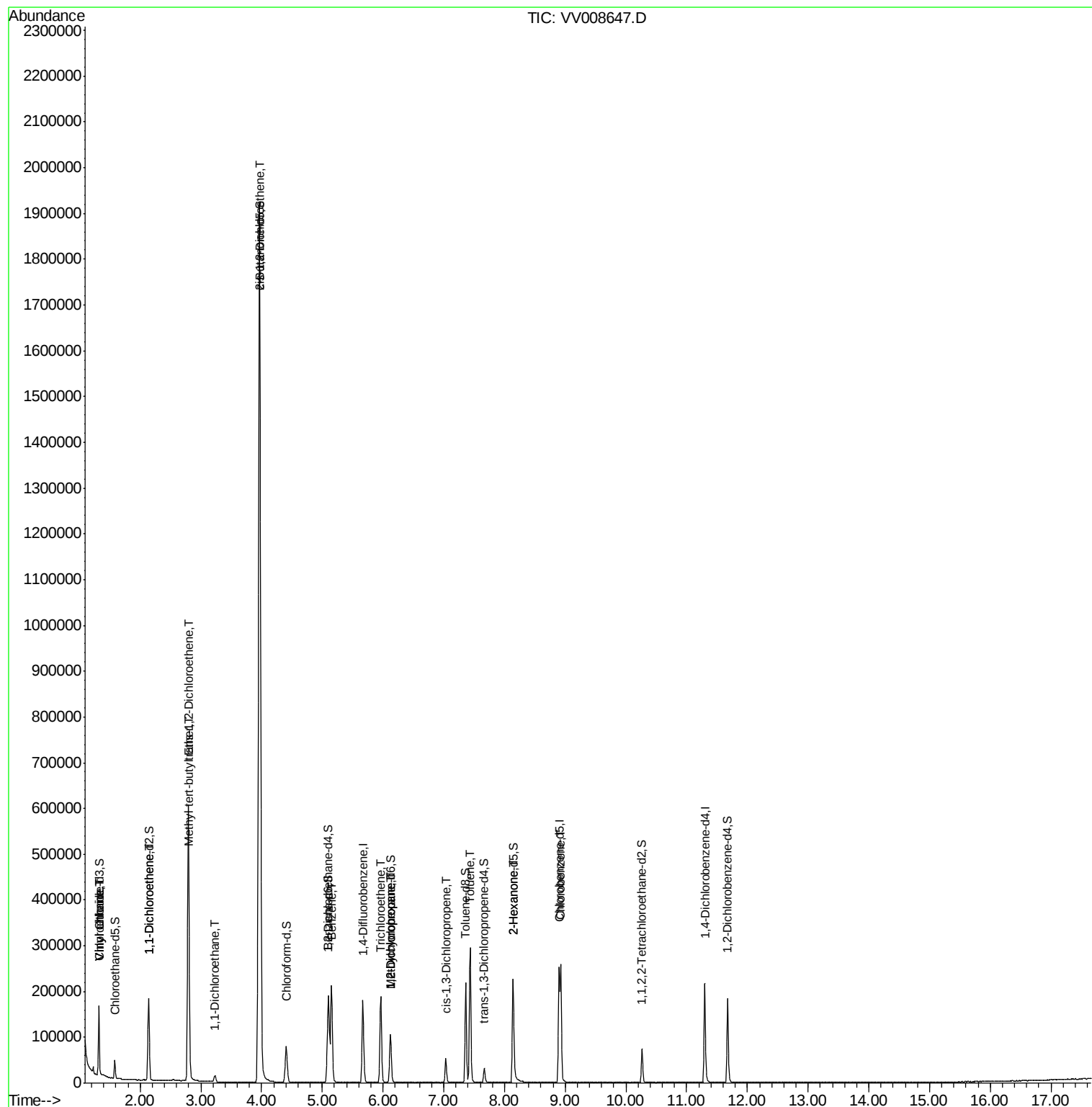
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

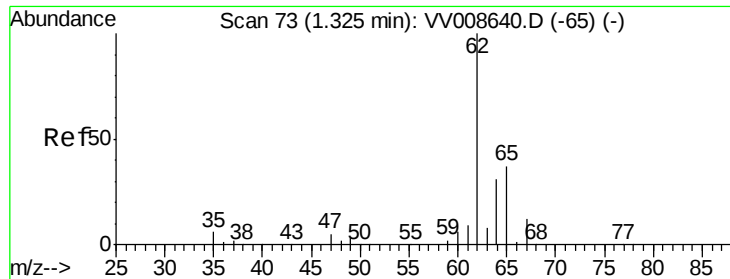
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Response via : Initial Calibration





#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 :

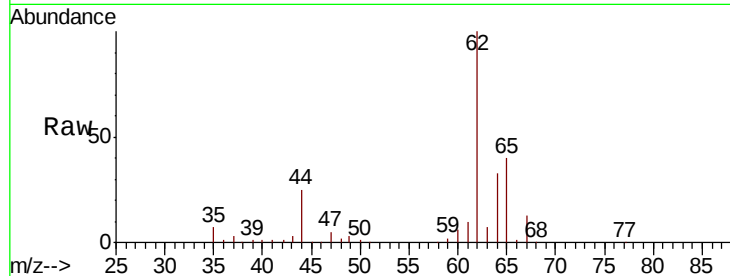
H0FG6MSD

Tgt Ion: 62 Resp: 63158

Ion Ratio Lower Upper

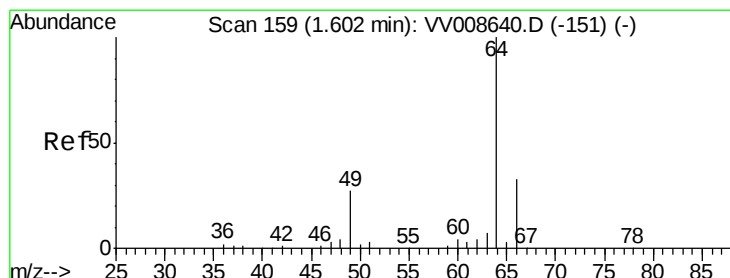
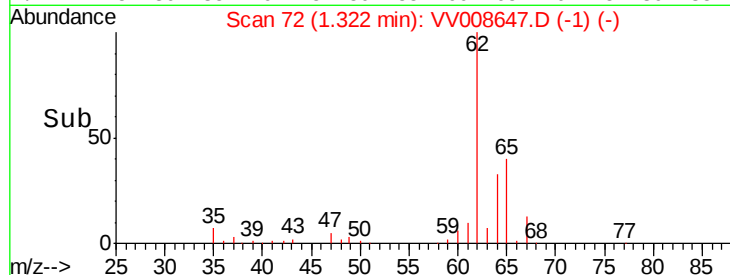
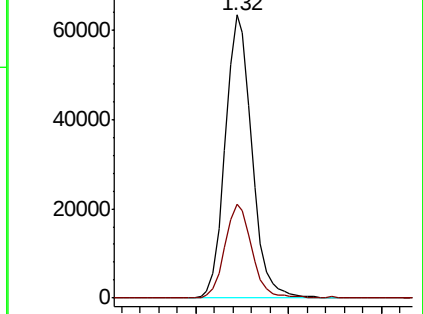
62 100

64 33.3 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VV008647.D (-65) (-)

Ion 64.10 (63.80 to 64.80): VV008647.D (-65) (-)



#8

Chloroethane

Concen: 3.644 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.28 min

Lab File: VV008647.D

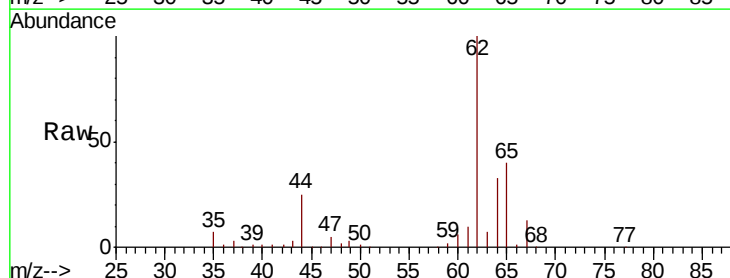
Acq: 19 Nov 2018 13:34

Tgt Ion: 64 Resp: 19993

Ion Ratio Lower Upper

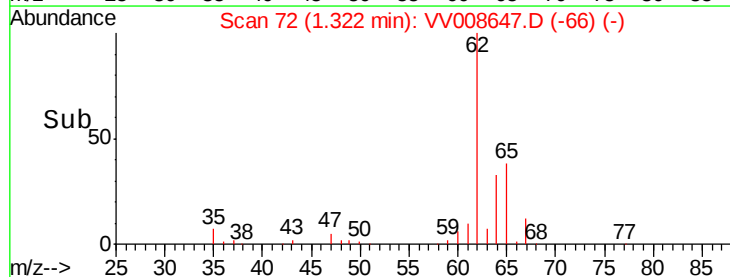
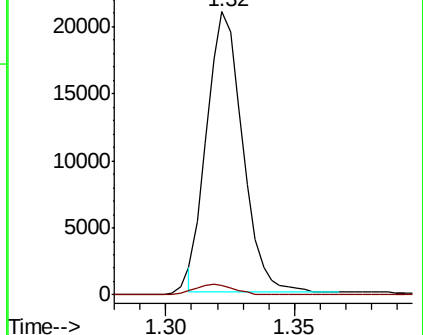
64 100

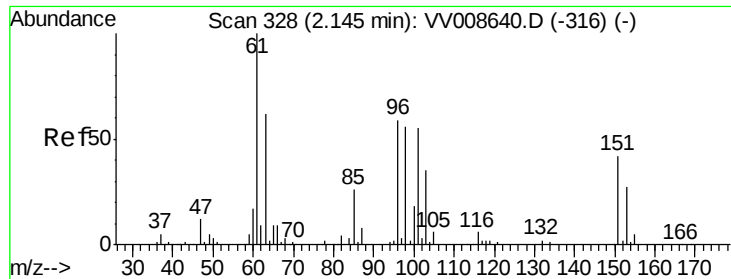
66 3.4 22.7 42.3#



Abundance Ion 64.10 (63.80 to 64.80): VV008647.D (-151) (-)

Ion 66.05 (65.75 to 66.75): VV008647.D (-151) (-)

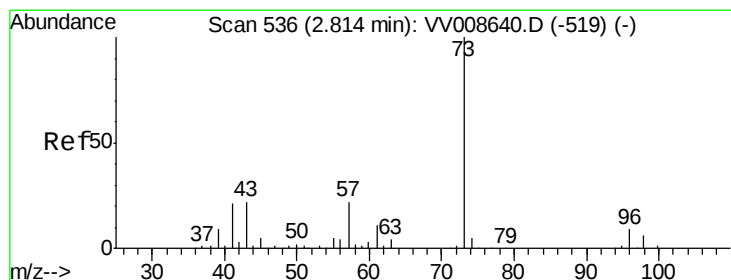
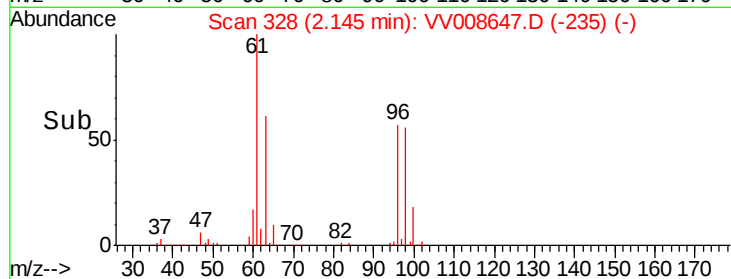
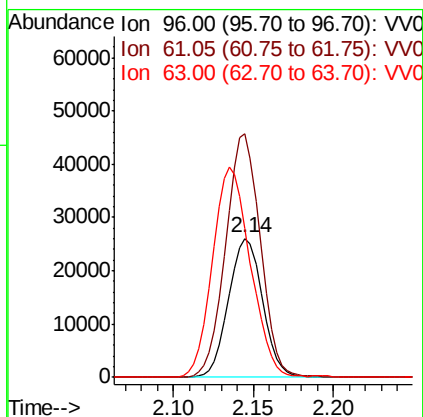
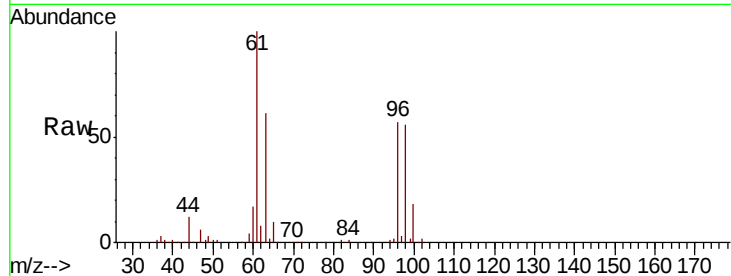




#12
 1,1-Dichloroethene
 Concen: 5.492 ug/L
 RT: 2.14 min Scan# 328
 Delta R.T. 0.00 min
 Lab File: VV008647.D
 Acq: 19 Nov 2018 13:34

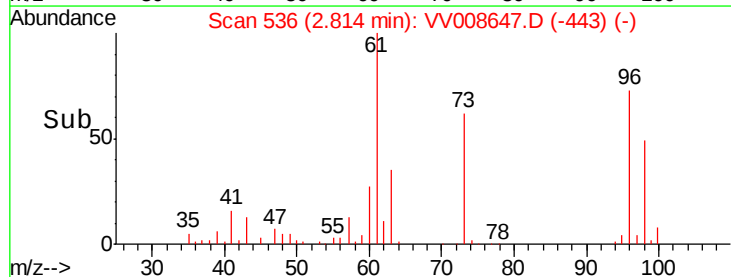
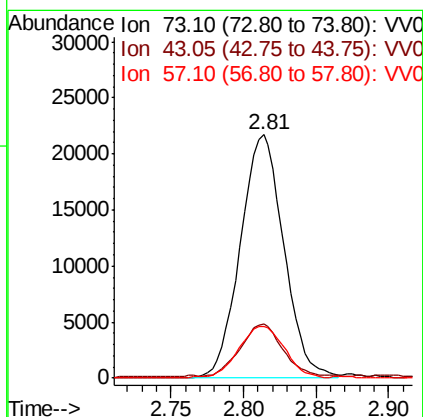
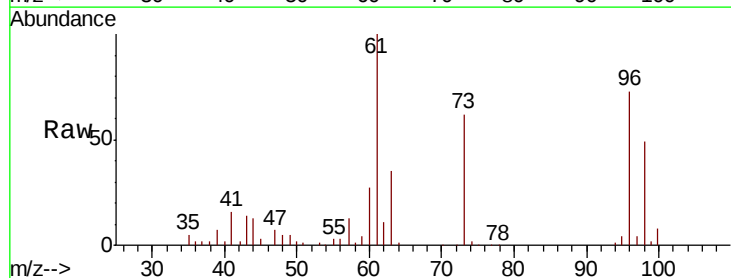
Instrument :
 MSVOA_V
 ClientSampleId :
 H0FG6MSD

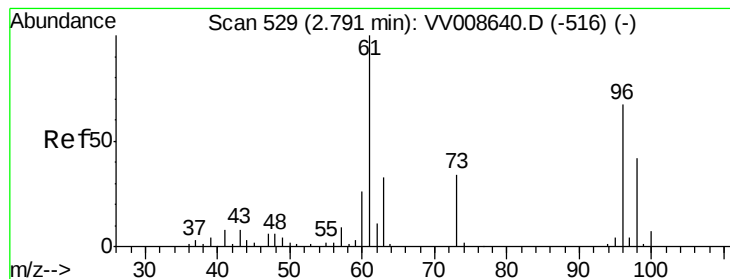
Tgt Ion	Resp	Lower	Upper
96	37705		
61	174.9	120.3	223.5
63	107.0	82.5	153.3



#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

Tgt Ion	Resp	Lower	Upper
73	45345		
43	20.2	18.1	27.1
57	22.6	17.9	26.9





#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

Instrument :

MSVOA_V

ClientSampleId :

H0FG6MSD

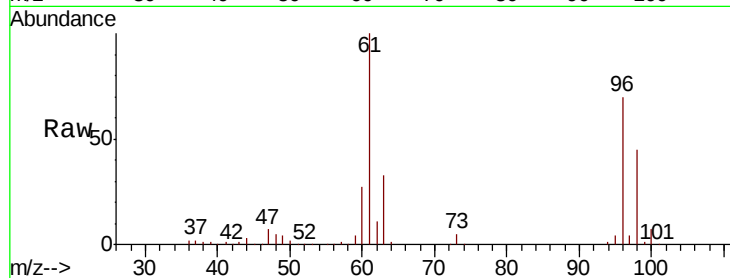
Tgt Ion: 96 Resp: 210972

Ion Ratio Lower Upper

96 100

61 142.7 97.1 180.3

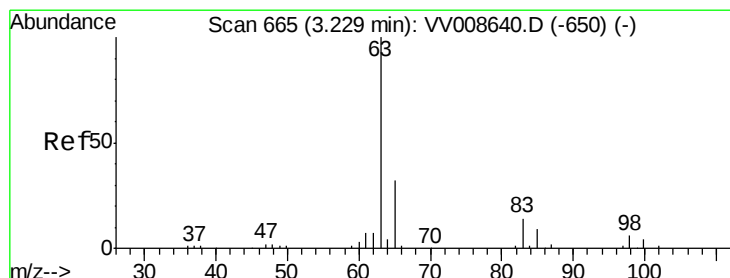
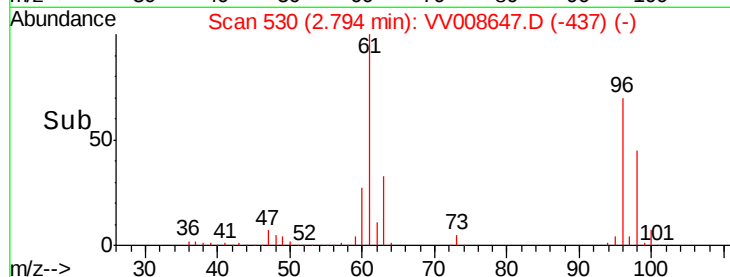
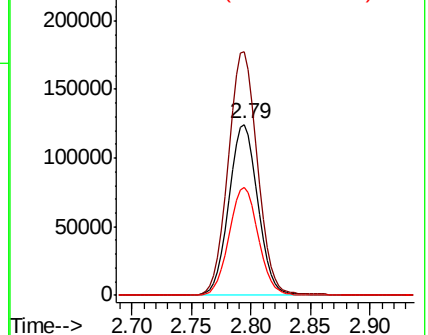
98 63.5 41.9 77.7



Abundance Ion 96.00 (95.70 to 96.70): VV008647.D (-530) (-)

Ion 61.05 (60.75 to 61.75): VV008647.D (-530) (-)

Ion 97.95 (97.65 to 98.65): VV008647.D (-530) (-)



#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

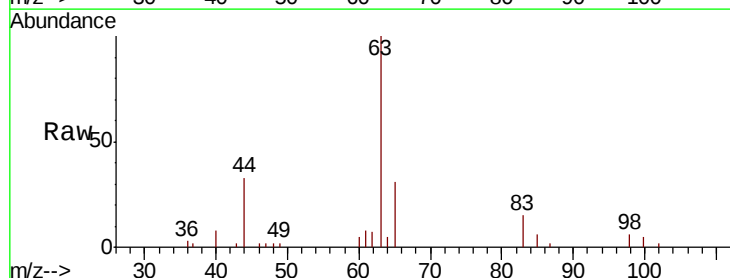
Tgt Ion: 63 Resp: 14251

Ion Ratio Lower Upper

63 100

65 31.4 23.2 43.0

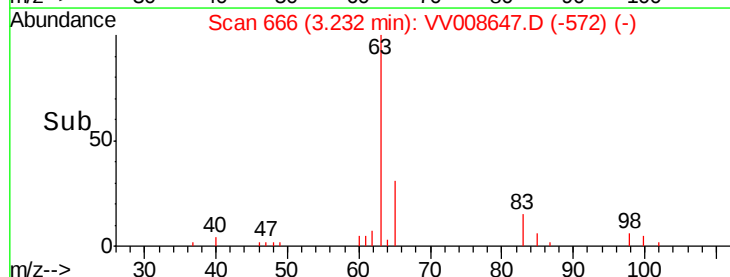
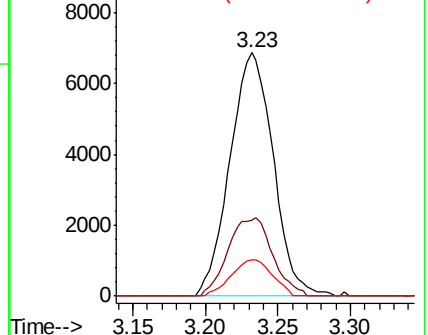
83 15.0 9.5 17.7

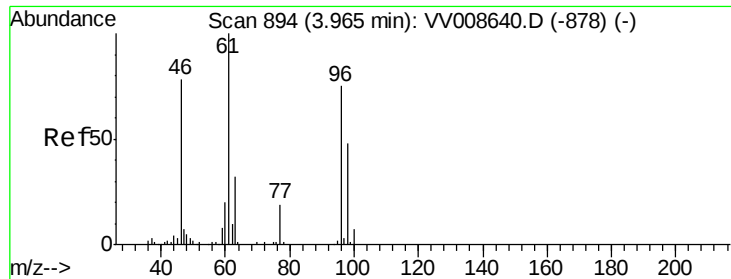


Abundance Ion 63.10 (62.80 to 63.80): VV008647.D (-666) (-)

Ion 65.10 (64.80 to 65.80): VV008647.D (-666) (-)

Ion 83.05 (82.75 to 83.75): VV008647.D (-666) (-)



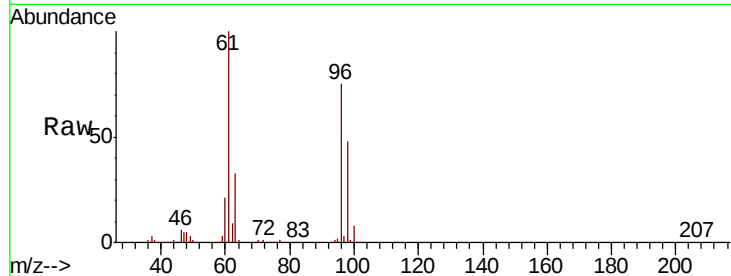


#22

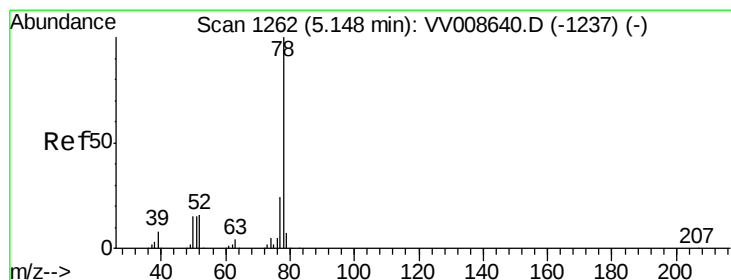
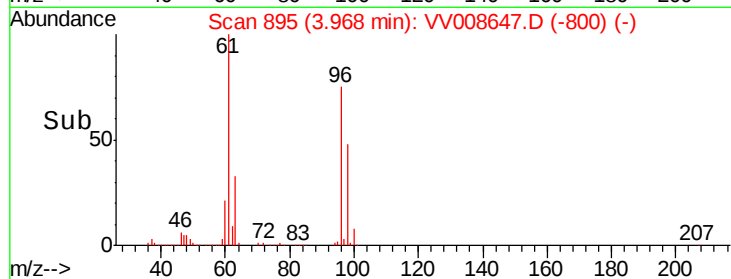
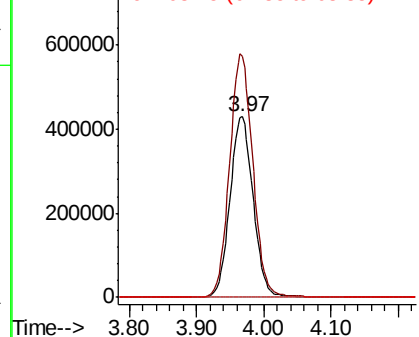
cis-1,2-Dichloroethene
Concen: 91.872 ug/L
RT: 3.97 min Scan# 895
Delta R.T. 0.01 min
Lab File: VV008647.D
Acq: 19 Nov 2018 13:34

Instrument :
MSVOA_V
ClientSampleId :
H0FG6MSD

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



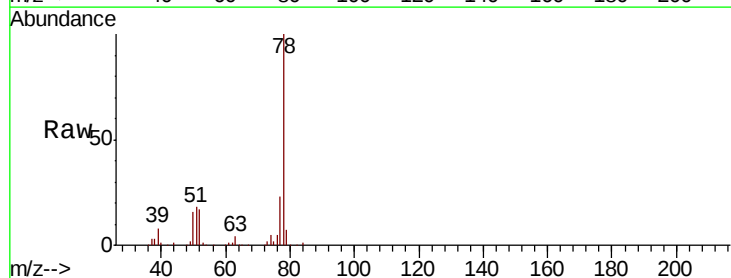
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



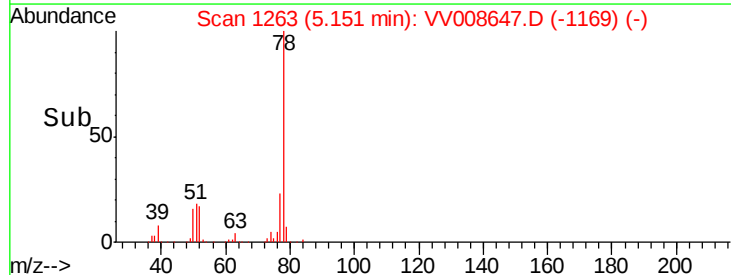
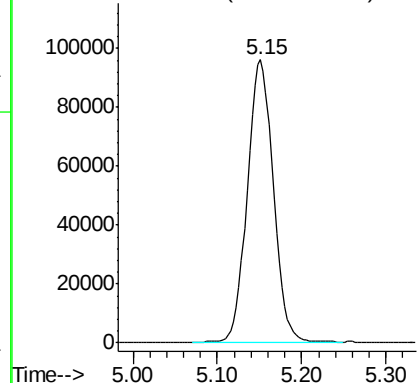
#33

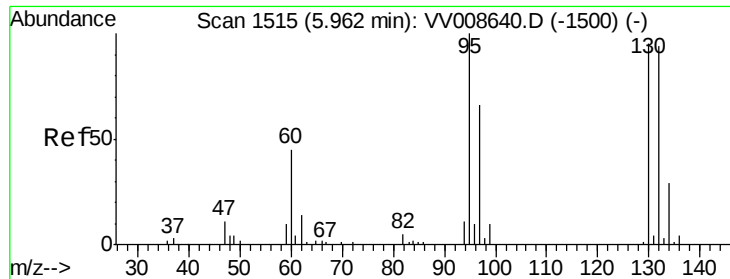
Benzene
Concen: 4.927 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VV008647.D
Acq: 19 Nov 2018 13:34

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

Instrument :

MSVOA_V

ClientSampleId :

H0FG6MSD

Tgt Ion: 95 Resp: 68356

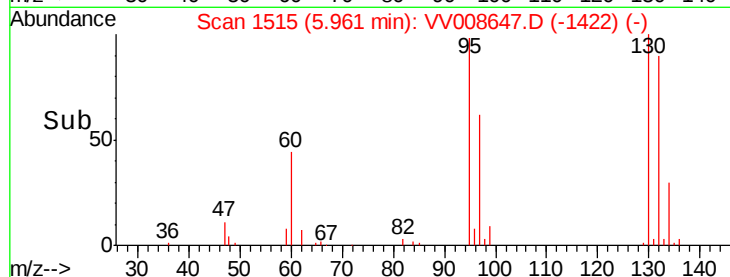
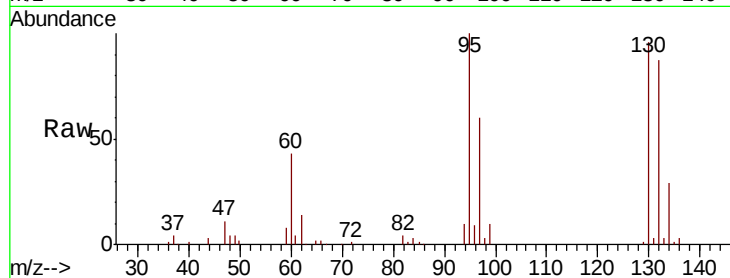
Ion Ratio Lower Upper

95 100

97 59.9 45.1 83.7

132 86.8 66.3 123.1

130 96.2 68.0 126.4



Abundance Ion 95.00 (94.70 to 95.70): VV008647.D (-1422) (-)

Ion 96.95 (96.65 to 97.65): VV008647.D (-1422) (-)

Ion 131.95 (131.65 to 132.65): VV008647.D (-1422) (-)

Ion 129.95 (129.65 to 130.65): VV008647.D (-1422) (-)

Time-->

5.85 5.90 5.95 6.00 6.05

5.96

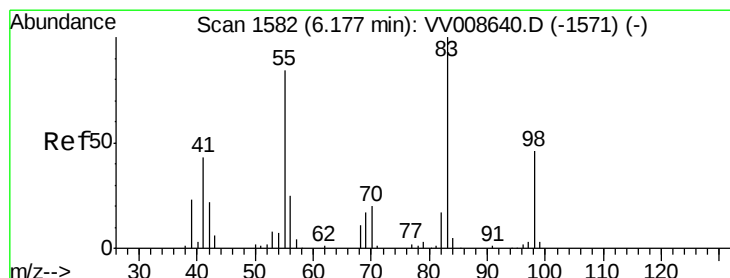
40000

30000

20000

10000

0



#35

Methylcyclohexane

Concen: 0.629 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.05 min

Lab File: VV008647.D

Acq: 19 Nov 2018 13:34

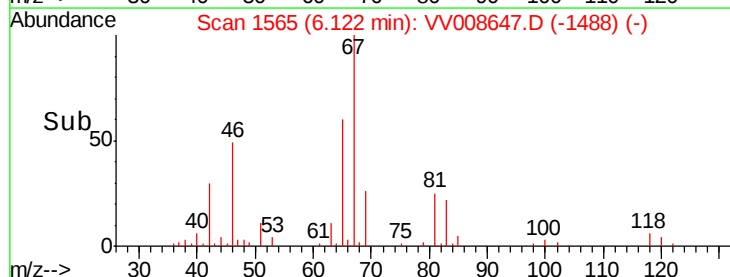
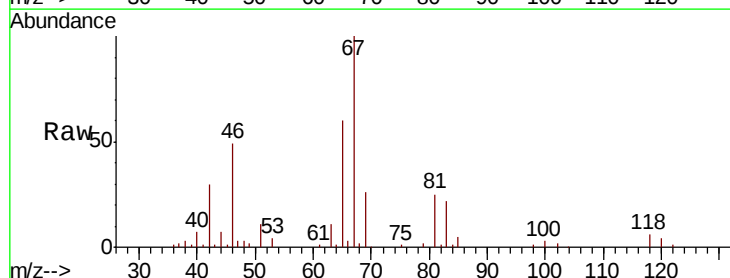
Tgt Ion: 83 Resp: 11926

Ion Ratio Lower Upper

83 100

55 0.4 65.6 98.4#

98 1.1 36.4 54.6#



Abundance Ion 83.15 (82.85 to 83.85): VV008647.D (-1488) (-)

Ion 55.10 (54.80 to 55.80): VV008647.D (-1488) (-)

Ion 98.15 (97.85 to 98.85): VV008647.D (-1488) (-)

Time-->

6.05 6.10 6.15 6.20

6.12

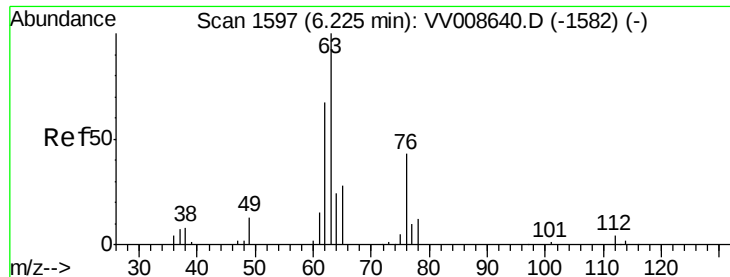
8000

6000

4000

2000

0



#37

1,2-Dichloropropane

Concen: 0.509 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.10 min

Lab File: VV008647.D

Acq: 19 Nov 2018 13:34

Instrument :

MSVOA_V

ClientSampleId :

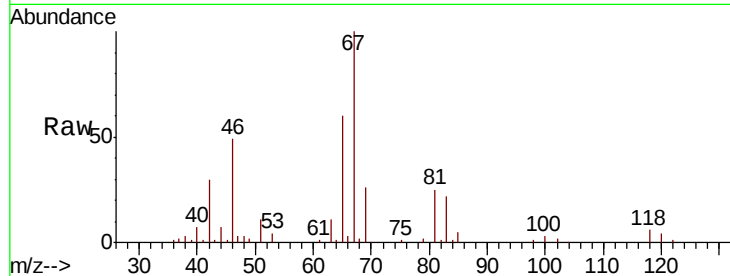
H0FG6MSD

Tgt Ion: 63 Resp: 5659

Ion Ratio Lower Upper

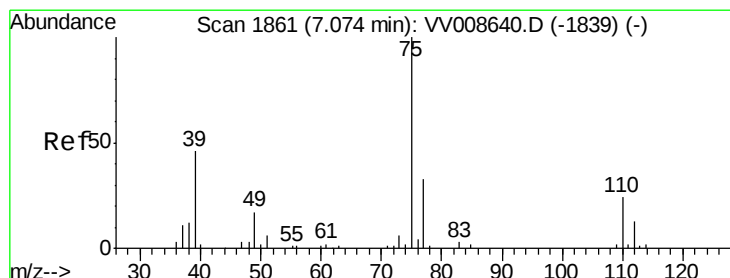
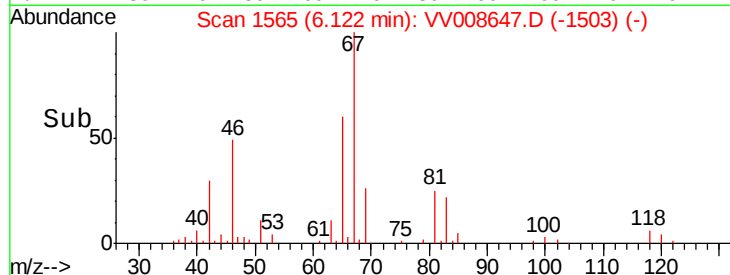
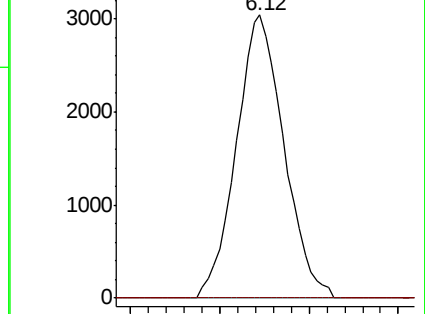
63 100

112 0.0 2.8 4.2#



Abundance Ion 63.10 (62.80 to 63.80): VV008647.D (-1503) (-)

Ion 112.10 (111.80 to 112.80): VV008647.D (-1503) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.083 ug/L

RT: 7.03 min Scan# 1847

Delta R.T. -0.04 min

Lab File: VV008647.D

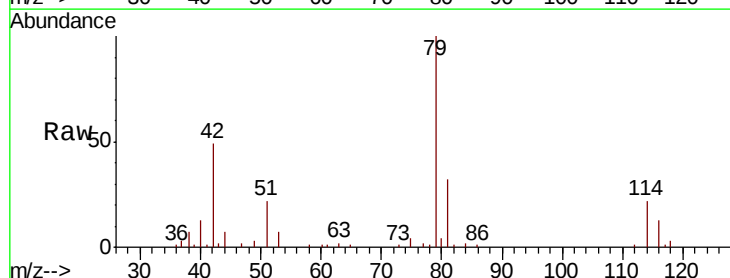
Acq: 19 Nov 2018 13:34

Tgt Ion: 75 Resp: 1243

Ion Ratio Lower Upper

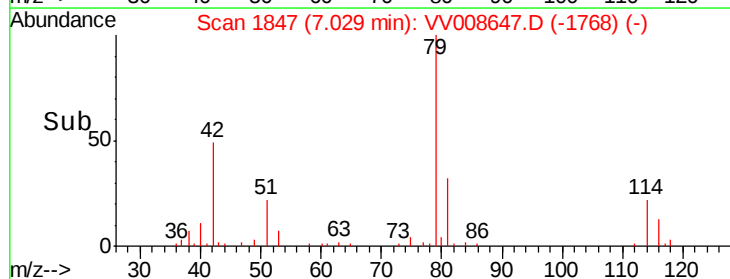
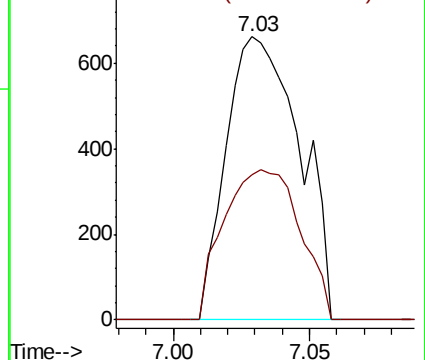
75 100

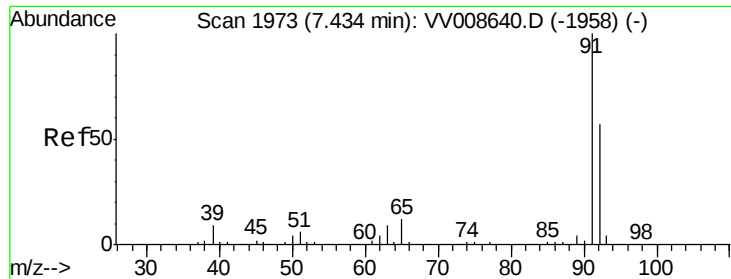
77 51.4 23.0 42.8#



Abundance Ion 75.05 (74.75 to 75.75): VV008647.D (-1768) (-)

Ion 77.05 (76.75 to 77.75): VV008647.D (-1768) (-)





#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 :

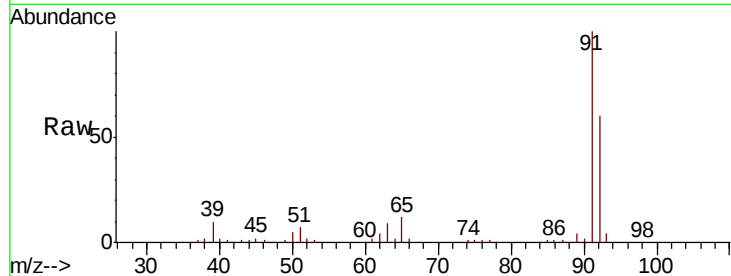
H0FG6MSD

Tgt Ion: 91 Resp: 209294

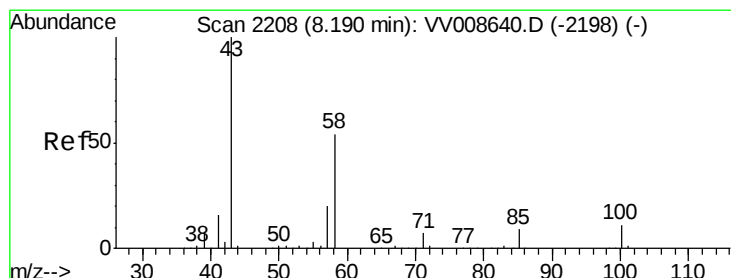
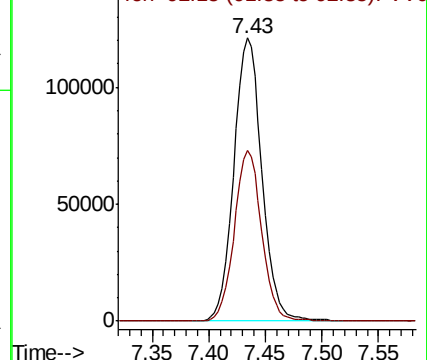
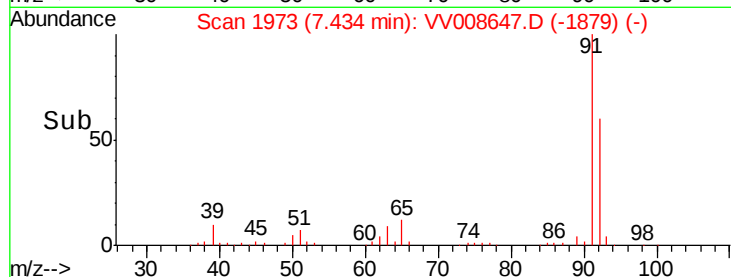
Ion Ratio Lower Upper

91 100

92 60.2 39.1 72.5



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



#48

2-Hexanone

Concen: 2.332 ug/L

RT: 8.14 min Scan# 2193

Delta R.T. -0.05 min

Lab File: VV008647.D

Acq: 19 Nov 2018 13:34

Tgt Ion: 43 Resp: 10253

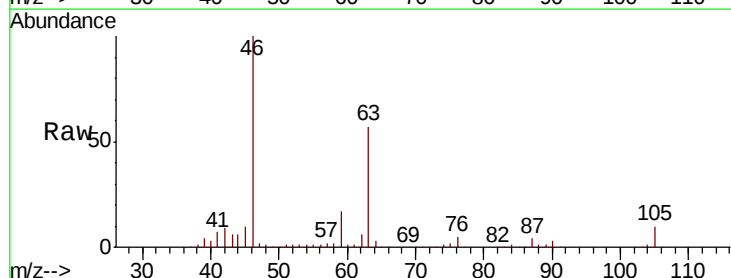
Ion Ratio Lower Upper

43 100

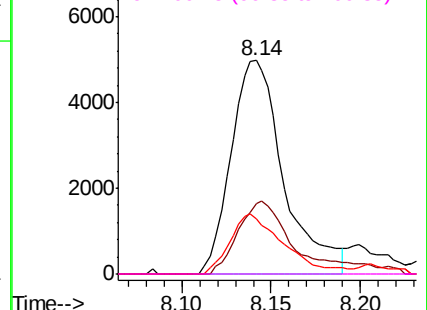
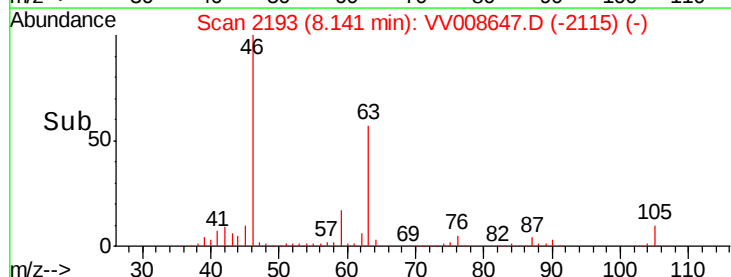
58 37.5 41.8 62.8#

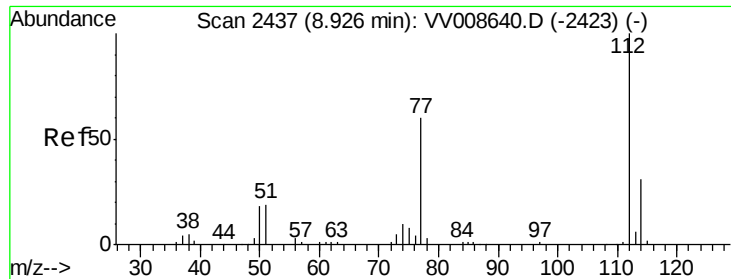
57 28.6 15.4 23.0#

100 0.0 8.7 13.1#



Abundance Ion 43.05 (42.75 to 43.75): VV008647.D (-2115) (-)





#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

Instrument :
 MSVOA_V
 ClientSampleId :
 H0FG6MSD

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.6	21.9	40.7
77	63.1	47.9	71.9

