

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV111918\
 Data File : VV008646.D
 Acq On : 19 Nov 2018 13:10
 Operator : SY/MD
 Sample : J5995-02MS
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H0FG6MS

Quant Time: Nov 20 06:59:52 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	149503	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	132763	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	58153	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	28691	4.32	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.40%
7) Chloroethane-d5	1.59	69	23322	4.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.20%
11) 1,1-Dichloroethene-d2	2.14	63	65369	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.00%
20) 2-Butanone-d5	3.96	46	115704	48.69	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.38%
24) Chloroform-d	4.41	84	83276	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
26) 1,2-Dichloroethane-d4	5.09	65	43835	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
32) Benzene-d6	5.10	84	160624	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
36) 1,2-Dichloropropane-d6	6.12	67	52764	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.40%
41) Toluene-d8	7.36	98	145491	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
43) trans-1,3-Dichloropropene-	7.67	79	18415	4.32	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.40%
46) 2-Hexanone-d5	8.14	63	86499	44.83	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.66%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	36685	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	49101	4.68	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.60%

Target Compounds

					Qvalue
5) Vinyl chloride	1.32	62	63161	6.680	ug/L 99
8) Chloroethane	1.32	64	19559	3.531	ug/L # 49
12) 1,1-Dichloroethene	2.15	96	39244	5.662	ug/L 93
17) Methyl tert-butyl Ether	2.81	73	45122	2.446	ug/L 98
18) trans-1,2-Dichloroethene	2.79	96	214212	28.470	ug/L 97
19) 1,1-Dichloroethane	3.24	63	14296	0.751	ug/L 98
22) cis-1,2-Dichloroethene	3.96	96	1027545	90.485	ug/L 99
33) Benzene	5.15	78	214817	5.103	ug/L 100
34) Trichloroethene	5.96	95	67394	6.058	ug/L 98
35) Methylcyclohexane	6.13	83	12201	0.648	ug/L # 17
37) 1,2-Dichloropropane	6.12	63	5380	0.486	ug/L # 89
39) cis-1,3-Dichloropropene	7.03	75	1192	0.080	ug/L # 61
42) Toluene	7.43	91	218542	4.982	ug/L 97
48) 2-Hexanone	8.14	43	10853	2.483	ug/L # 76
51) Chlorobenzene	8.93	112	134489	4.970	ug/L 96

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 20 06:56:52 2018
Response via : Initial Calibration

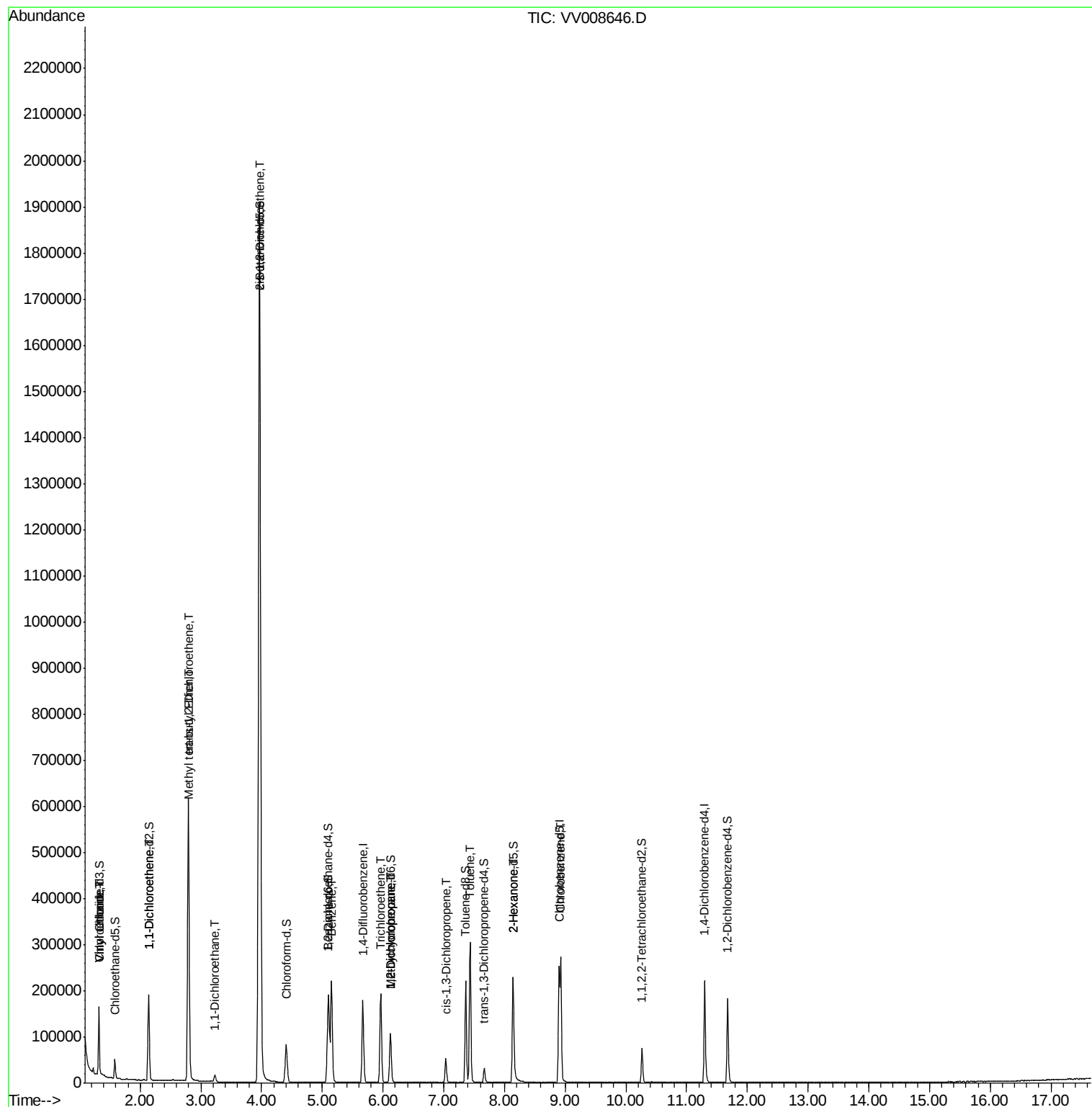
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

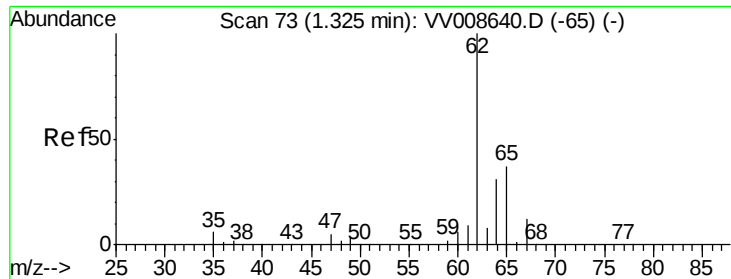
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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





#5

Vinyl chloride

Concen: 6.680 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV008646.D

Acq: 19 Nov 2018 13:10

Instrument :

MSVOA_V

ClientSampleId :

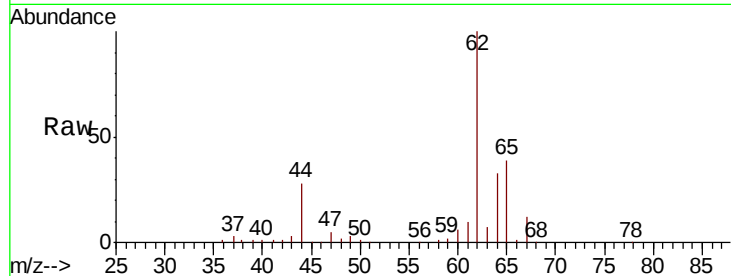
H0FG6MS

Tgt Ion: 62 Resp: 63161

Ion Ratio Lower Upper

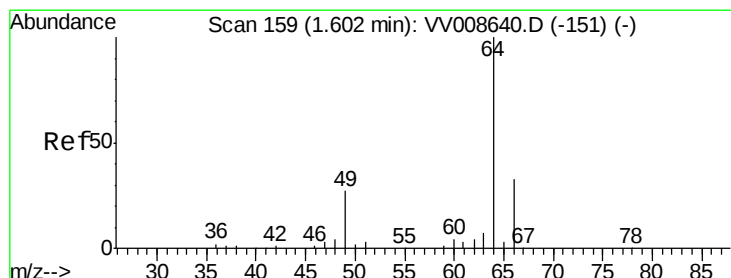
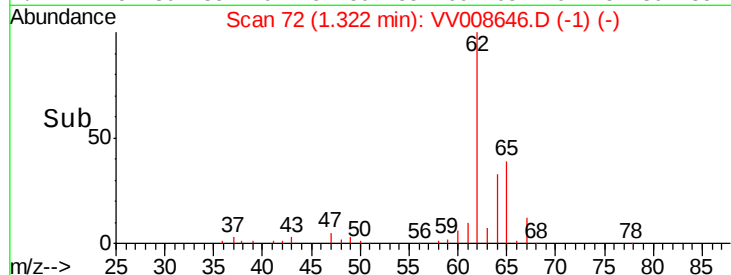
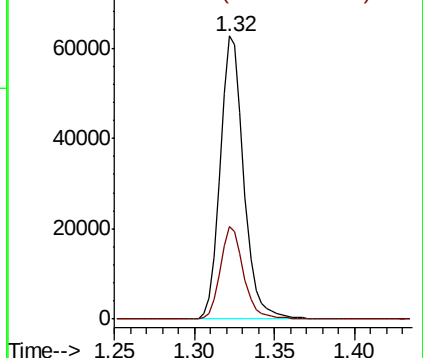
62 100

64 32.7 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#8

Chloroethane

Concen: 3.531 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.28 min

Lab File: VV008646.D

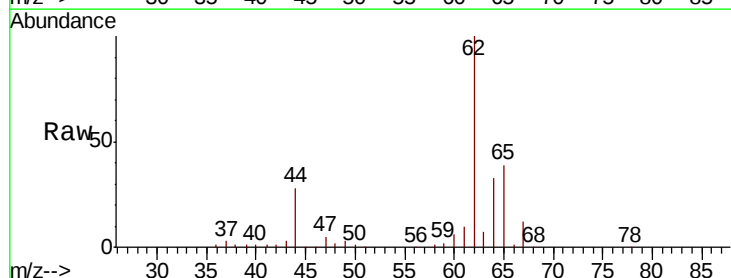
Acq: 19 Nov 2018 13:10

Tgt Ion: 64 Resp: 19559

Ion Ratio Lower Upper

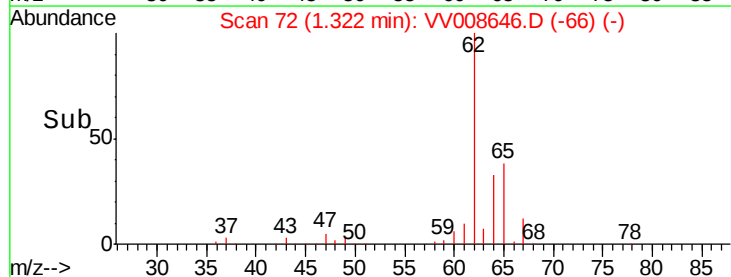
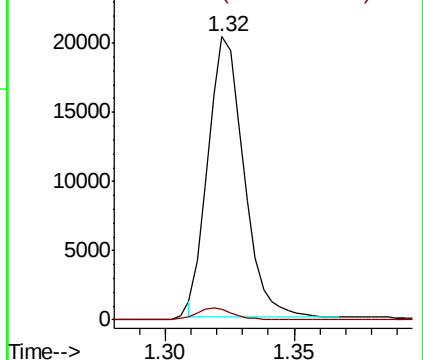
64 100

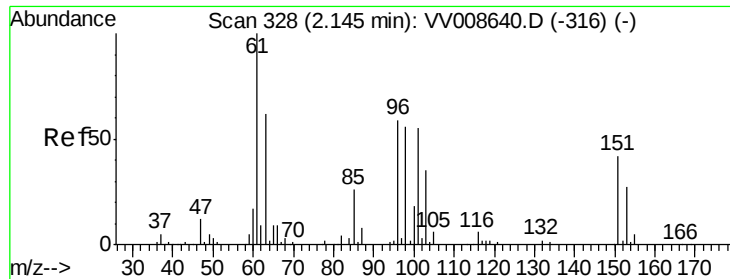
66 3.9 22.7 42.3#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0





#12

1,1-Dichloroethene

Concen: 5.662 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV008646.D

Acq: 19 Nov 2018 13:10

Instrument :

MSVOA_V

ClientSampleId :

H0FG6MS

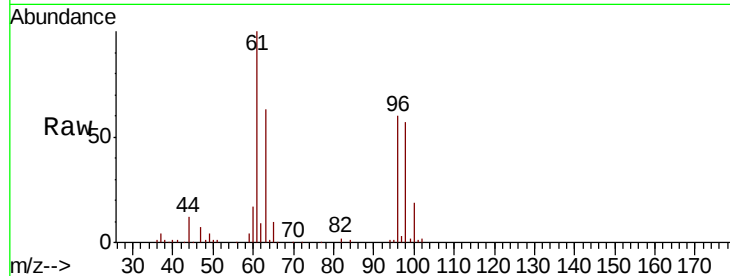
Tgt Ion: 96 Resp: 39244

Ion Ratio Lower Upper

96 100

61 166.2 120.3 223.5

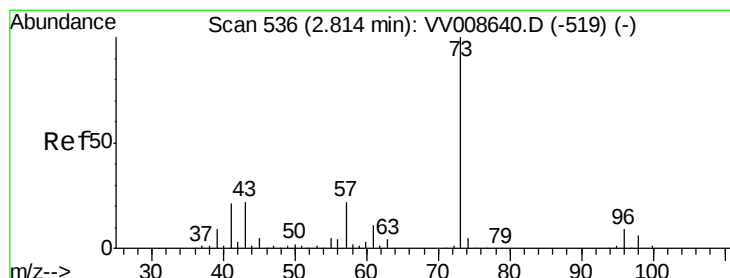
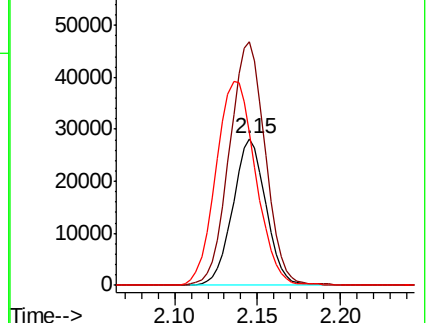
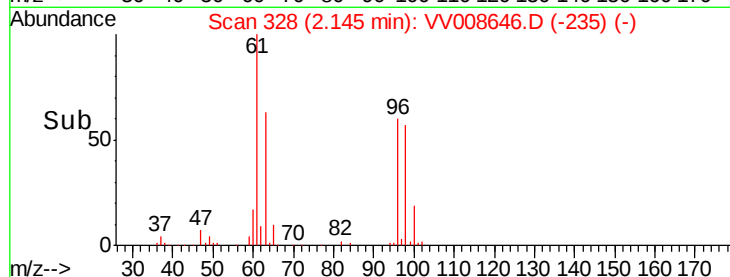
63 104.5 82.5 153.3



Abundance Ion 96.00 (95.70 to 96.70): VV008646.D (-235) (-)

Ion 61.05 (60.75 to 61.75): VV008646.D (-235) (-)

Ion 63.00 (62.70 to 63.70): VV008646.D (-235) (-)



#17

Methyl tert-butyl Ether

Concen: 2.446 ug/L

RT: 2.81 min Scan# 535

Delta R.T. -0.00 min

Lab File: VV008646.D

Acq: 19 Nov 2018 13:10

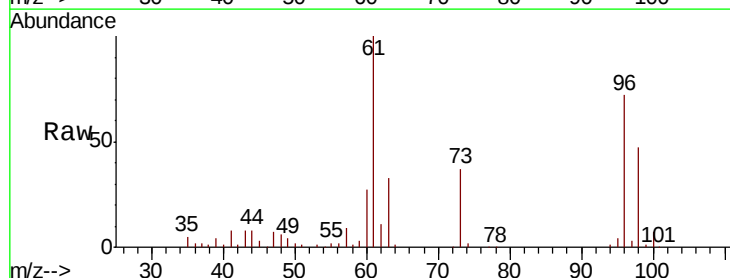
Tgt Ion: 73 Resp: 45122

Ion Ratio Lower Upper

73 100

43 21.9 18.1 27.1

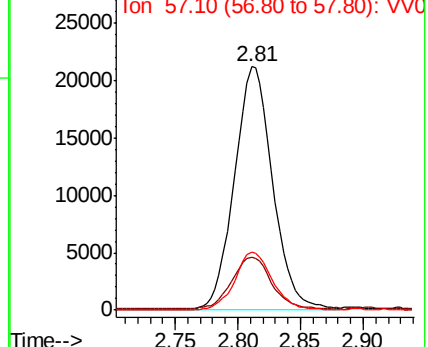
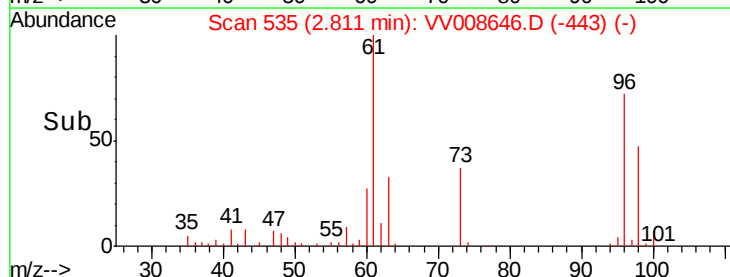
57 23.3 17.9 26.9

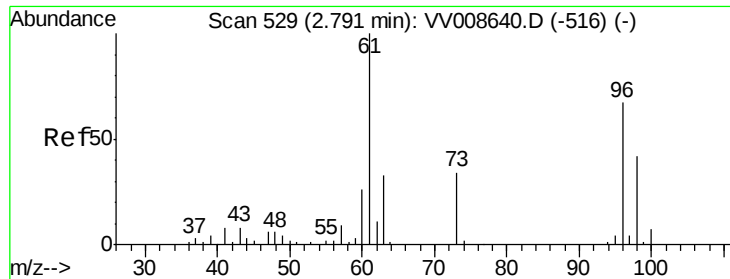


Abundance Ion 73.10 (72.80 to 73.80): VV008646.D (-443) (-)

Ion 43.05 (42.75 to 43.75): VV008646.D (-443) (-)

Ion 57.10 (56.80 to 57.80): VV008646.D (-443) (-)

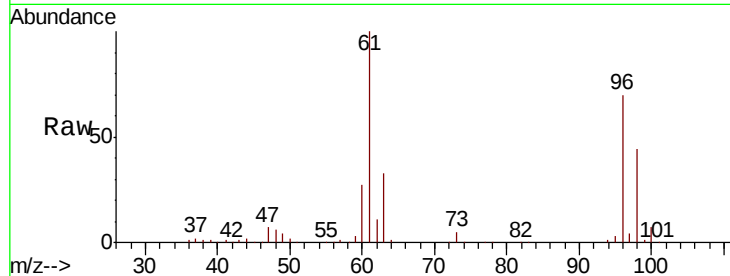




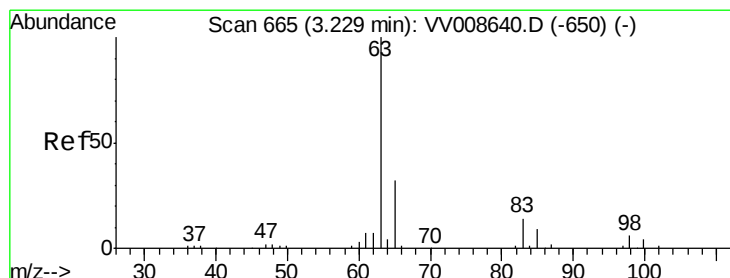
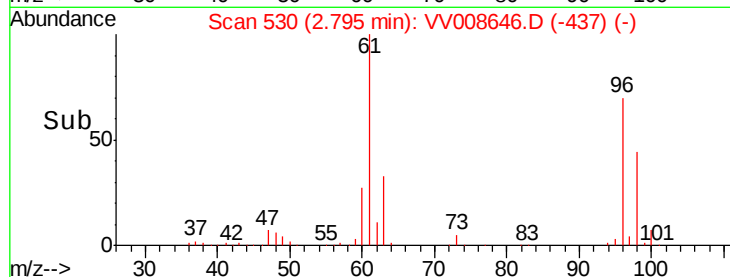
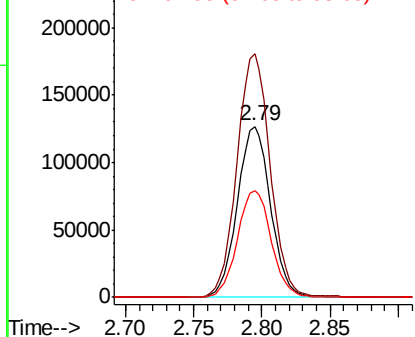
#18
trans-1,2-Dichloroethene
Concen: 28.470 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV008646.D
Acq: 19 Nov 2018 13:10

Instrument :
MSVOA_V
ClientSampleId :
H0FG6MS

Tgt Ion: 96 Resp: 214212
Ion Ratio Lower Upper
96 100
61 142.5 97.1 180.3
98 62.6 41.9 77.7

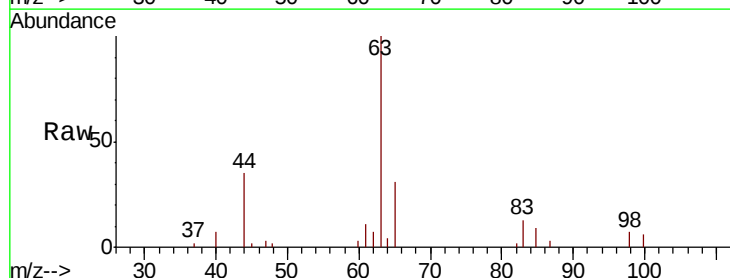


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

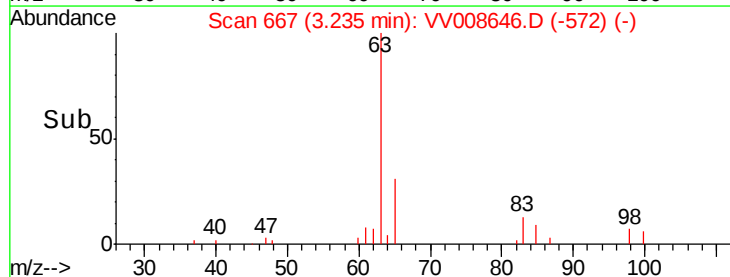
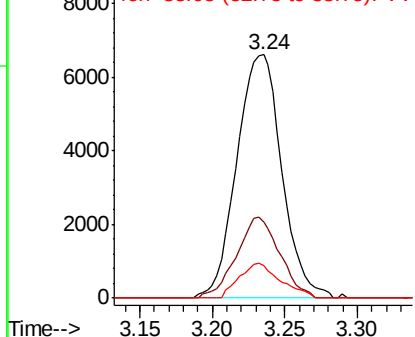


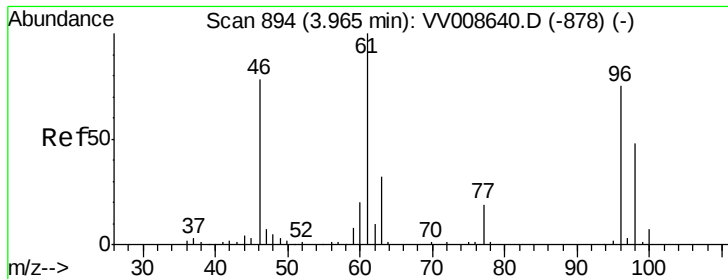
#19
1,1-Dichloroethane
Concen: 0.751 ug/L
RT: 3.24 min Scan# 667
Delta R.T. 0.01 min
Lab File: VV008646.D
Acq: 19 Nov 2018 13:10

Tgt Ion: 63 Resp: 14296
Ion Ratio Lower Upper
63 100
65 31.3 23.2 43.0
83 13.3 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



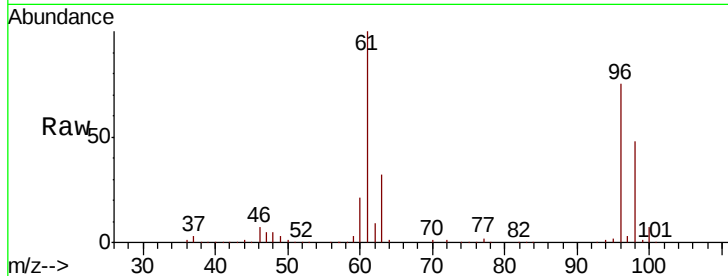


#22

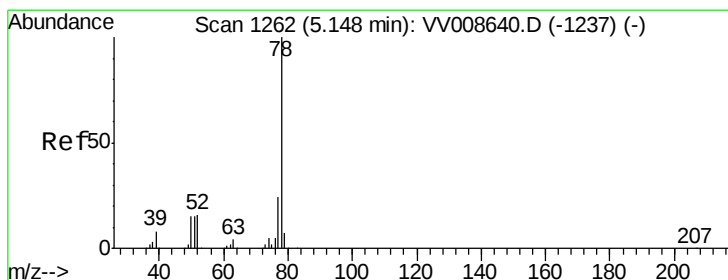
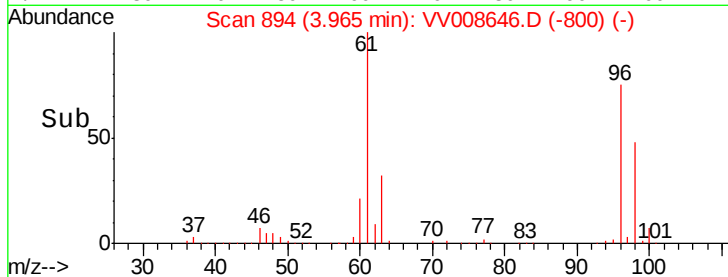
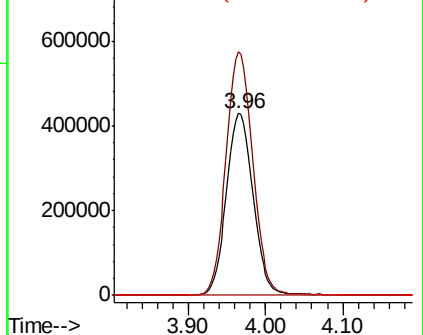
cis-1,2-Dichloroethene
 Concen: 90.485 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: VV008646.D
 Acq: 19 Nov 2018 13:10

Instrument :
 MSVOA_V
 ClientSampleId :
 H0FG6MS

Tgt Ion: 96 Resp: 1027545
 Ion Ratio Lower Upper
 96 100
 61 133.9 93.2 173.2
 68 0.0 0.0 0.0



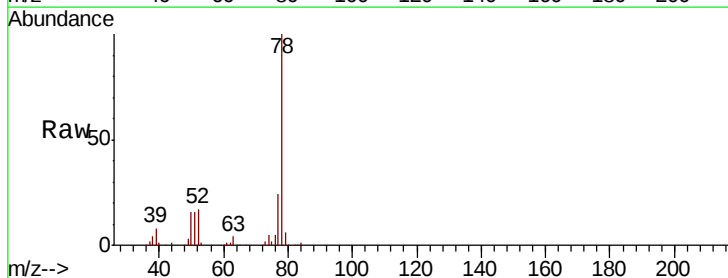
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



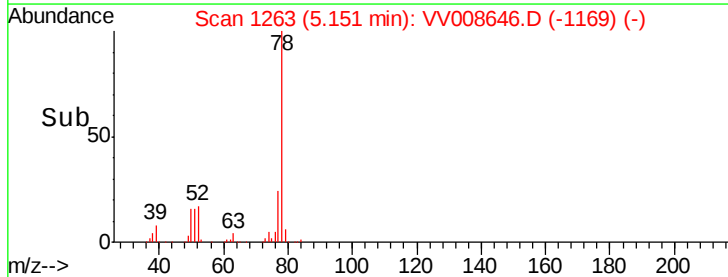
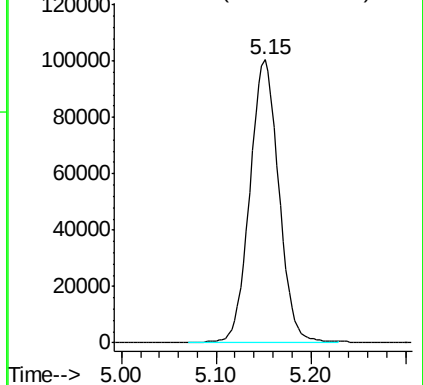
#33

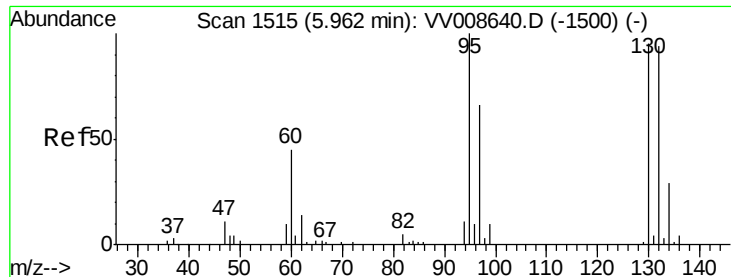
Benzene
 Concen: 5.103 ug/L
 RT: 5.15 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VV008646.D
 Acq: 19 Nov 2018 13:10

Tgt Ion: 78 Resp: 214817



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 6.058 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV008646.D

Acq: 19 Nov 2018 13:10

Instrument :

MSVOA_V

ClientSampleId :

H0FG6MS

Tgt Ion: 95 Resp: 67394

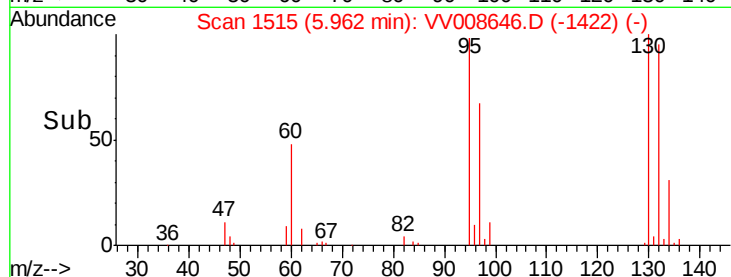
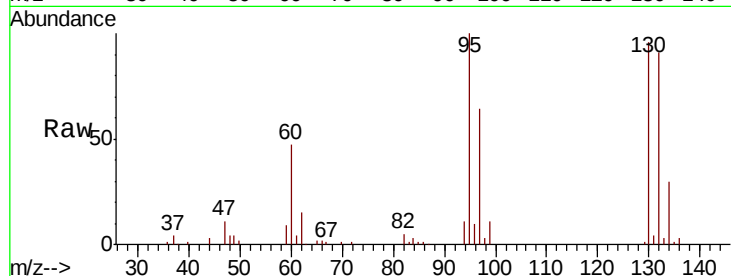
Ion Ratio Lower Upper

95 100

97 64.0 45.1 83.7

132 90.7 66.3 123.1

130 95.8 68.0 126.4

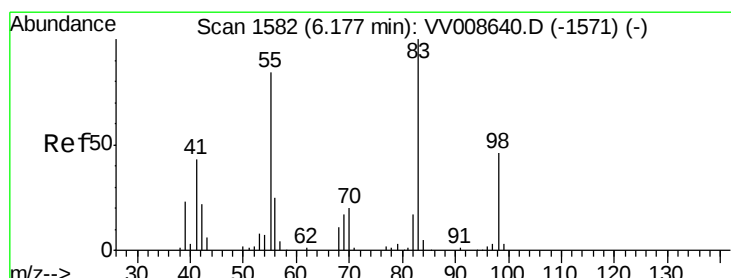
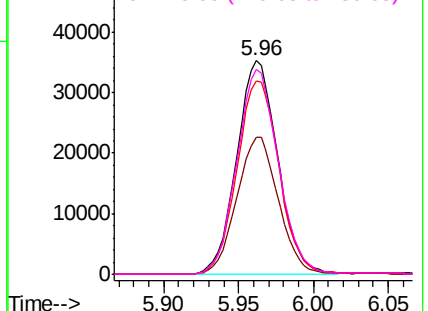


Abundance Ion 95.00 (94.70 to 95.70): VV008646.D (-1422) (-)

Ion 96.95 (96.65 to 97.65): VV008646.D (-1422) (-)

Ion 131.95 (131.65 to 132.65): VV008646.D (-1422) (-)

Ion 129.95 (129.65 to 130.65): VV008646.D (-1422) (-)



#35

Methylcyclohexane

Concen: 0.648 ug/L

RT: 6.13 min Scan# 1566

Delta R.T. -0.05 min

Lab File: VV008646.D

Acq: 19 Nov 2018 13:10

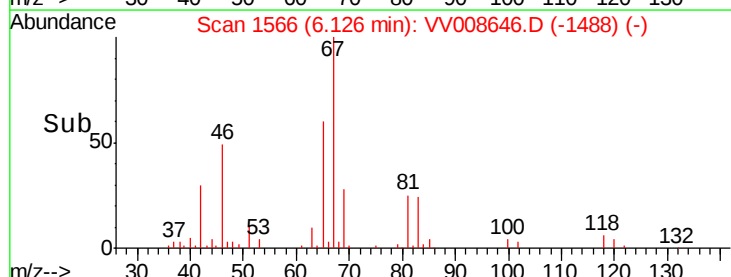
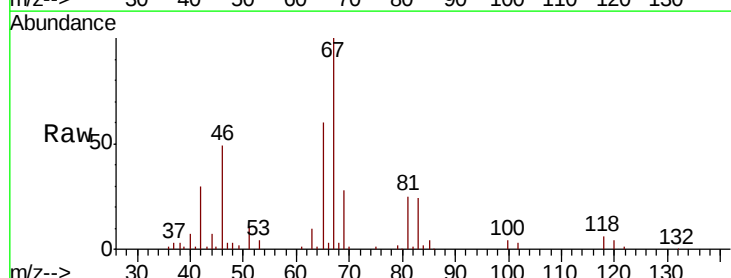
Tgt Ion: 83 Resp: 12201

Ion Ratio Lower Upper

83 100

55 0.2 65.6 98.4#

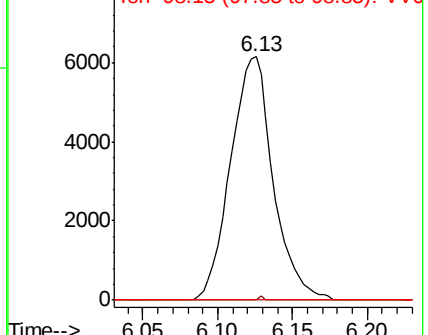
98 0.8 36.4 54.6#

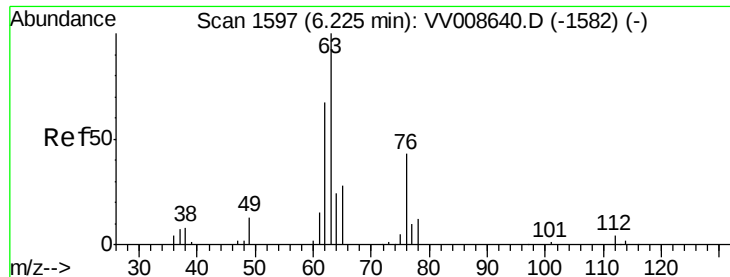


Abundance Ion 83.15 (82.85 to 83.85): VV008646.D (-1488) (-)

Ion 55.10 (54.80 to 55.80): VV008646.D (-1488) (-)

Ion 98.15 (97.85 to 98.85): VV008646.D (-1488) (-)

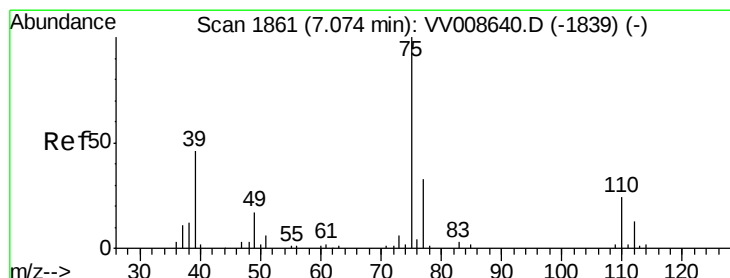
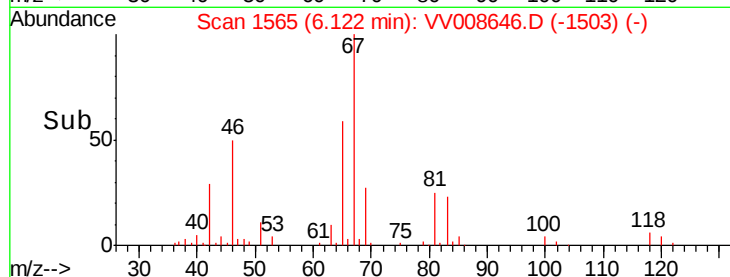
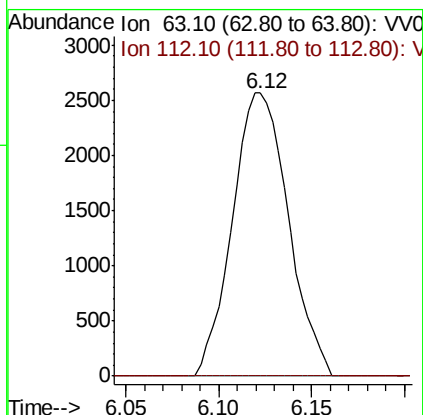
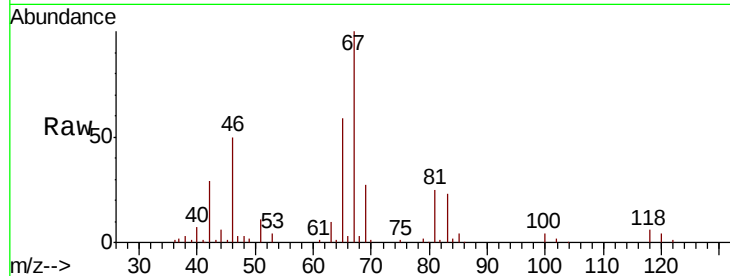




#37
 1,2-Dichloropropane
 Concen: 0.486 ug/L
 RT: 6.12 min Scan# 1565
 Delta R.T. -0.10 min
 Lab File: VV008646.D
 Acq: 19 Nov 2018 13:10

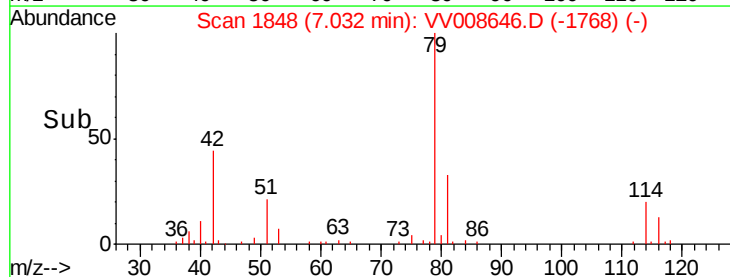
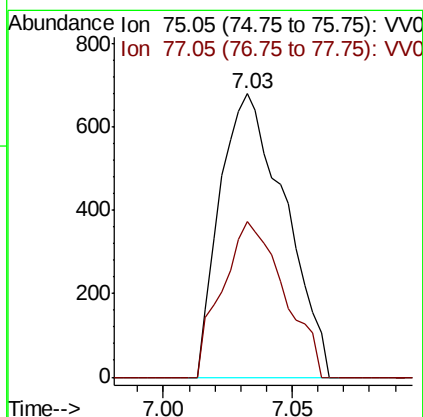
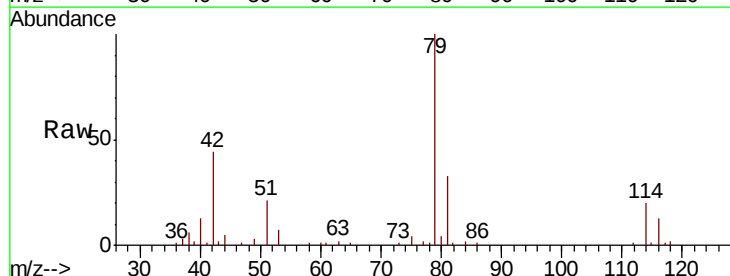
Instrument :
 MSVOA_V
 ClientSampleId :
 H0FG6MS

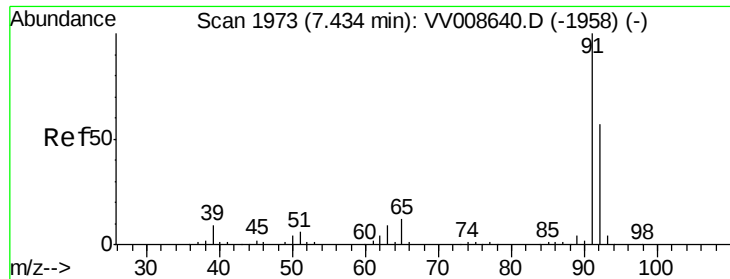
Tgt Ion: 63 Resp: 5380
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.8 4.2#



#39
 cis-1,3-Dichloropropene
 Concen: 0.080 ug/L
 RT: 7.03 min Scan# 1848
 Delta R.T. -0.04 min
 Lab File: VV008646.D
 Acq: 19 Nov 2018 13:10

Tgt Ion: 75 Resp: 1192
 Ion Ratio Lower Upper
 75 100
 77 54.9 23.0 42.8#





#42

Toluene

Concen: 4.982 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008646.D

Acq: 19 Nov 2018 13:10

Instrument :

MSVOA_V

ClientSampleId :

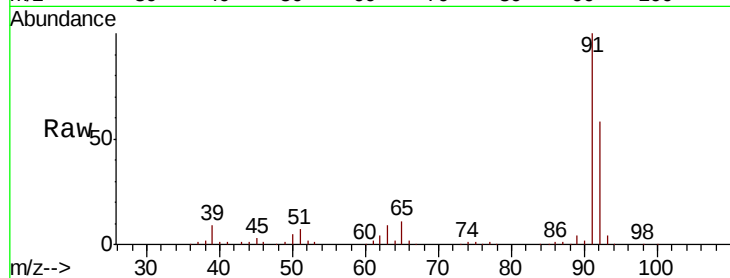
H0FG6MS

Tgt Ion: 91 Resp: 218542

Ion Ratio Lower Upper

91 100

92 57.9 39.1 72.5



Abundance Ion 91.15 (90.85 to 91.85): VV008646.D (-2115) (-)

Ion 92.15 (91.85 to 92.85): VV008646.D (-2115) (-)

7.43

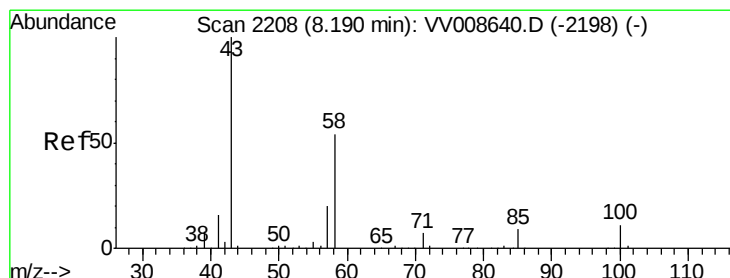
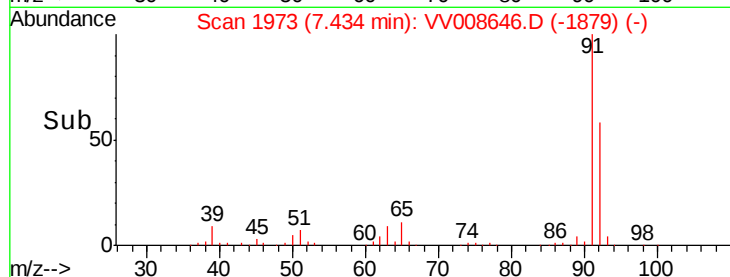
150000

100000

50000

0

Time-->



#48

2-Hexanone

Concen: 2.483 ug/L

RT: 8.14 min Scan# 2193

Delta R.T. -0.05 min

Lab File: VV008646.D

Acq: 19 Nov 2018 13:10

Tgt Ion: 43 Resp: 10853

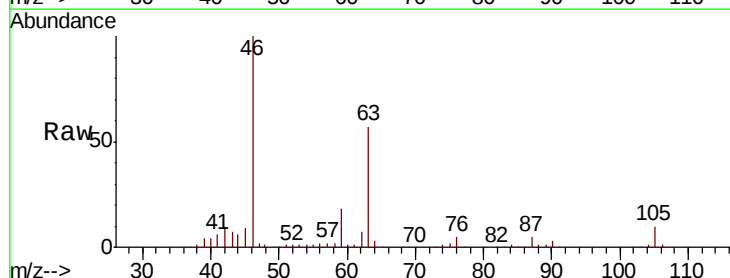
Ion Ratio Lower Upper

43 100

58 31.7 41.8 62.8#

57 23.2 15.4 23.0#

100 0.6 8.7 13.1#



Abundance Ion 43.05 (42.75 to 43.75): VV008646.D (-2115) (-)

Ion 58.05 (57.75 to 58.75): VV008646.D (-2115) (-)

Ion 57.20 (56.90 to 57.90): VV008646.D (-2115) (-)

Ion 100.15 (99.85 to 100.85): VV008646.D (-2115) (-)

8.14

8000

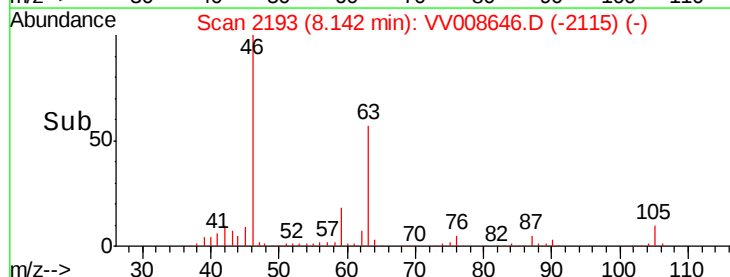
6000

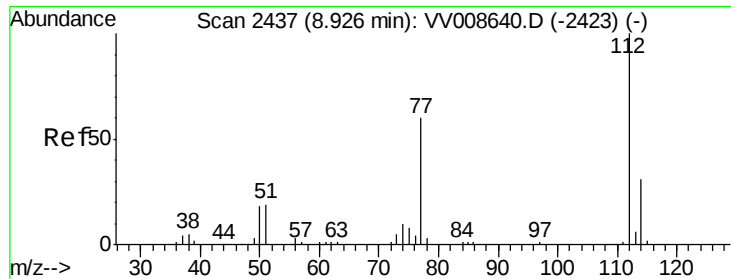
4000

2000

0

Time-->





#51
 Chlorobenzene
 Concen: 4.970 ug/L
 RT: 8.93 min Scan# 2438
 Delta R.T. 0.00 min
 Lab File: VV008646.D
 Acq: 19 Nov 2018 13:10

Instrument :
 MSVOA_V
 ClientSampleId :
 H0FG6MS

Tgt Ion:	112	Resp:	134489
Ion	Ratio	Lower	Upper
112	100		
114	33.1	21.9	40.7
77	63.1	47.9	71.9

