

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 07:00:27 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

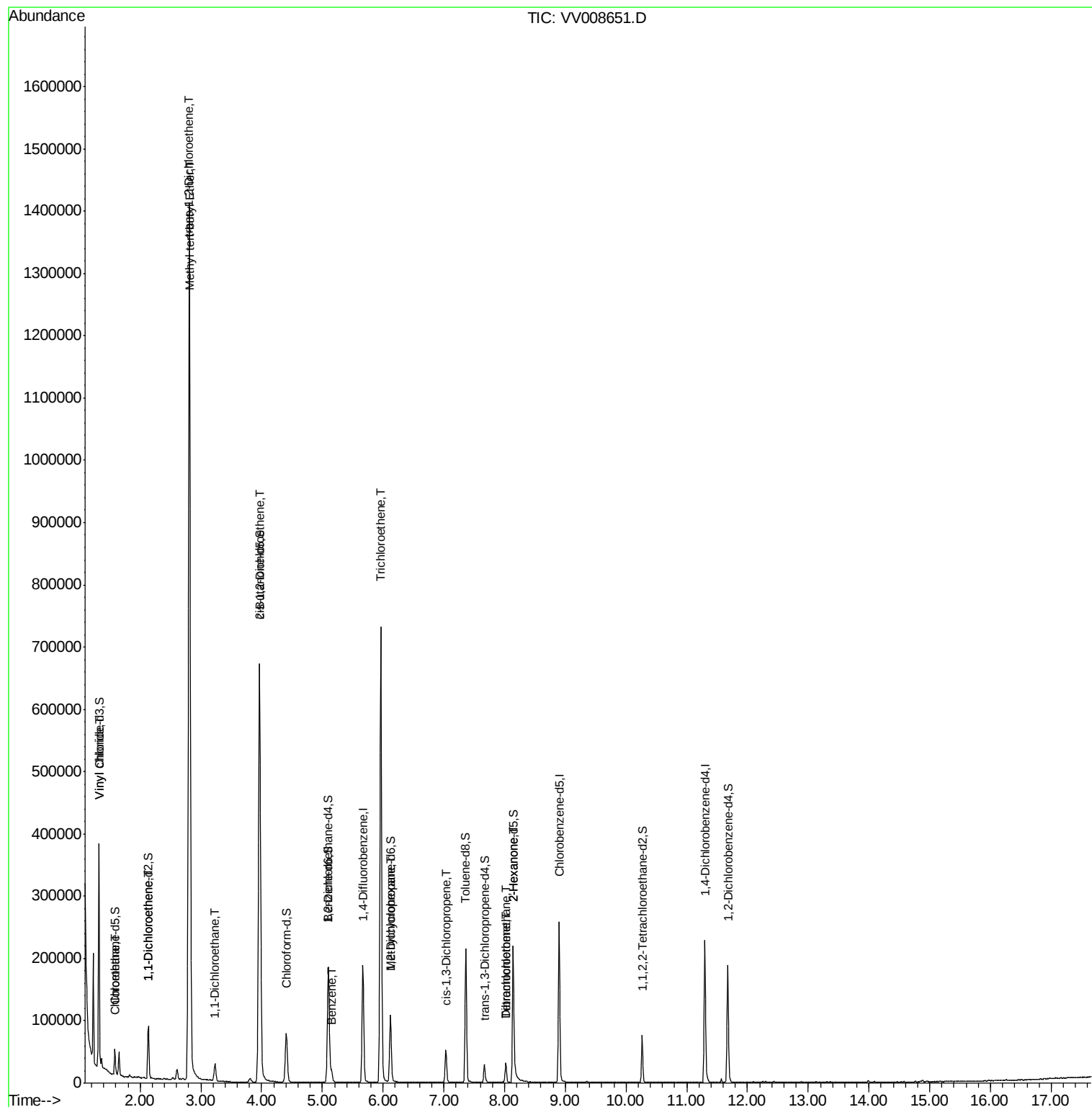
					Qvalue
5) Vinyl chloride	1.32	62	74953	7.576	ug/L 100
8) Chloroethane	1.60	64	1762	0.304	ug/L 94
12) 1,1-Dichloroethene	2.15	96	1153	0.159	ug/L # 1
17) Methyl tert-butyl Ether	2.81	73	1414903	73.303	ug/L 98
18) trans-1,2-Dichloroethene	2.79	96	34801	4.420	ug/L 94
19) 1,1-Dichloroethane	3.23	63	29138	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
35) Methylcyclohexane	6.12	83	12440	0.632	ug/L # 17
39) cis-1,3-Dichloropropene	7.03	75	1317	0.085	ug/L # 61
47) Tetrachloroethene	8.02	164	6488	0.771	ug/L 91
48) 2-Hexanone	8.14	43	9646	2.111	ug/L # 75
49) Dibromochloromethane	8.02	129	6632	0.792	ug/L # 10

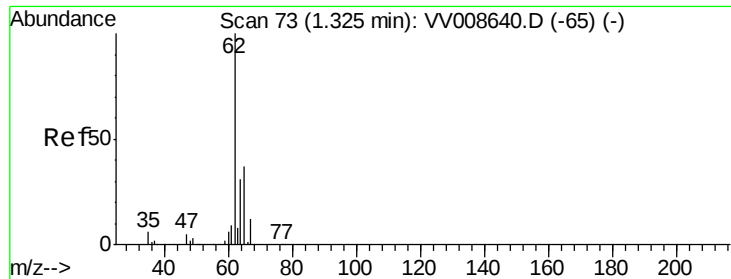
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#5

Vinyl chloride

Concen: 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 :

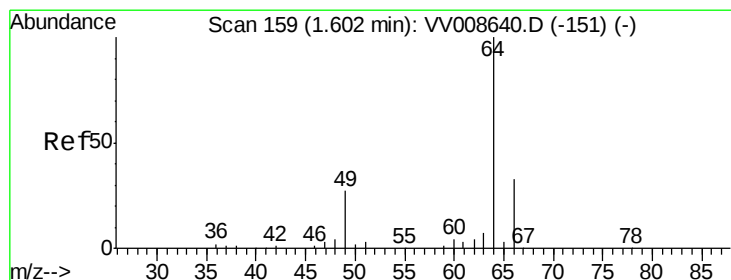
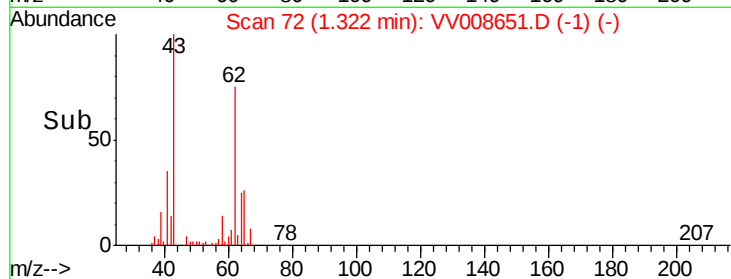
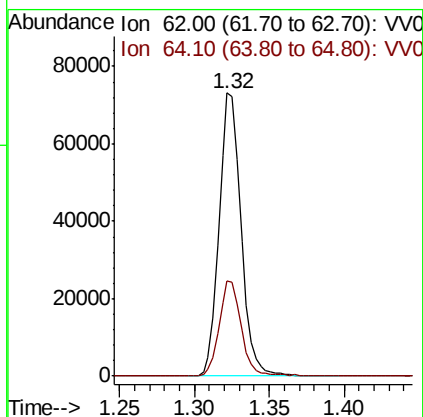
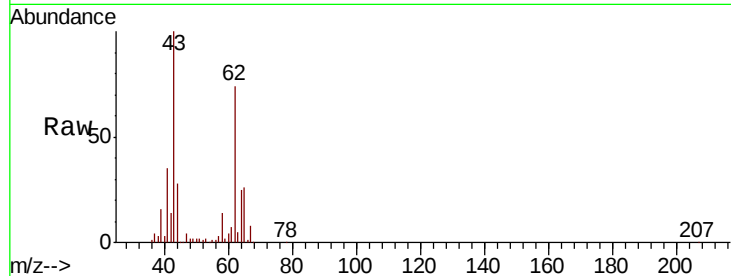
H0FK6

Tgt 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

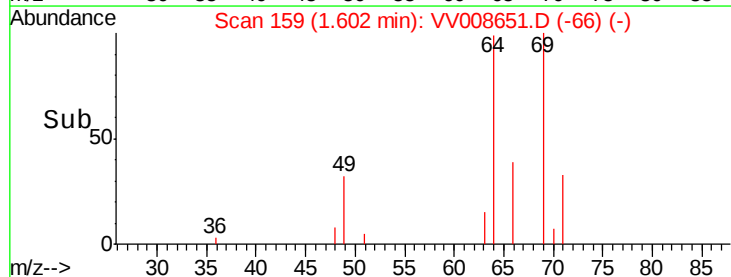
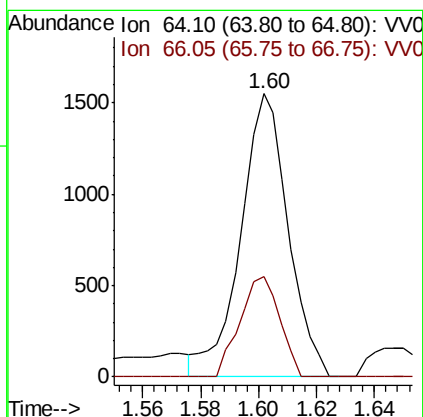
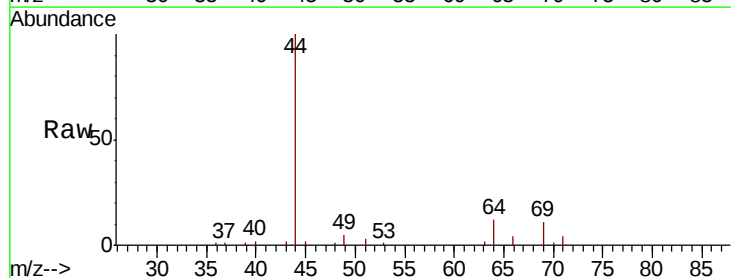
Acq: 19 Nov 2018 15:15

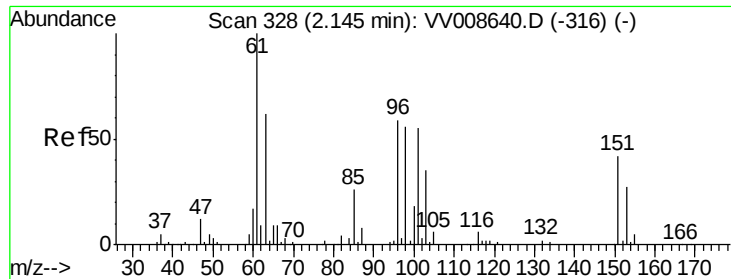
Tgt Ion: 64 Resp: 1762

Ion Ratio Lower Upper

64 100

66 35.6 22.7 42.3

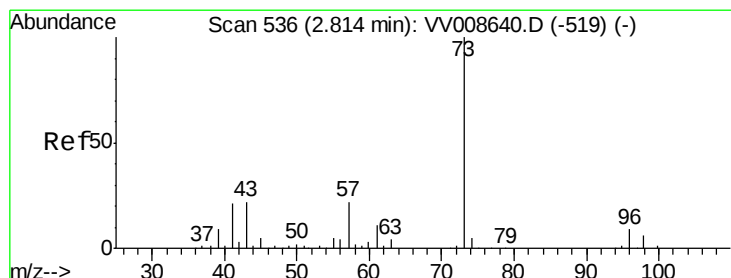
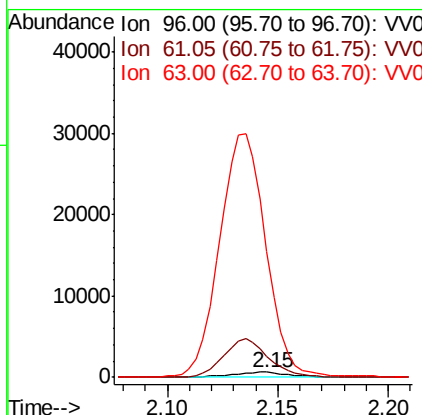
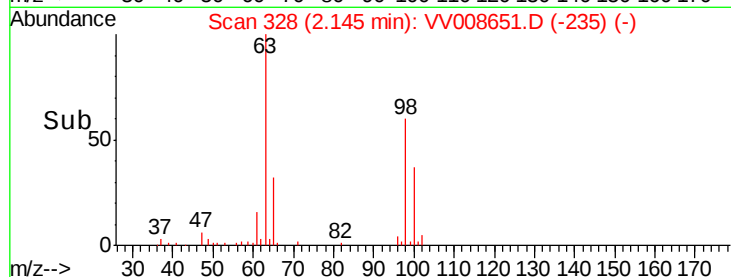
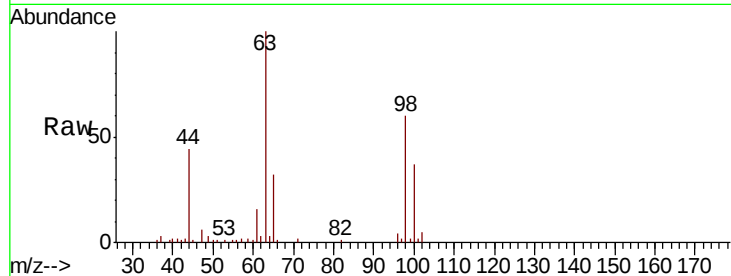




#12
 1,1-Dichloroethene
 Concen: 0.159 ug/L
 RT: 2.15 min Scan# 328
 Delta R.T. 0.00 min
 Lab File: VV008651.D
 Acq: 19 Nov 2018 15:15

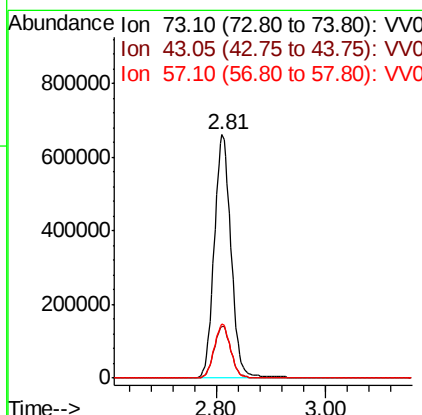
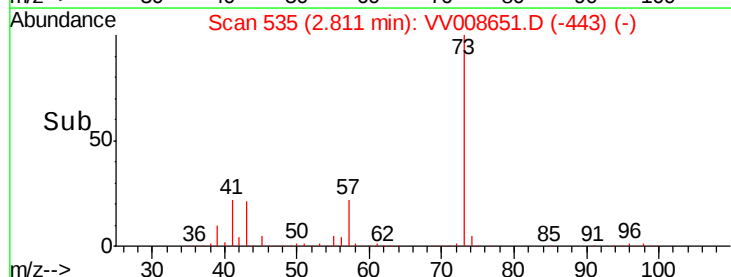
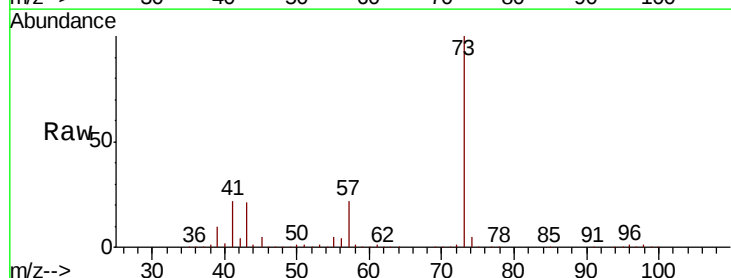
Instrument :
 MSVOA_V
 ClientSampleId :
 H0FK6

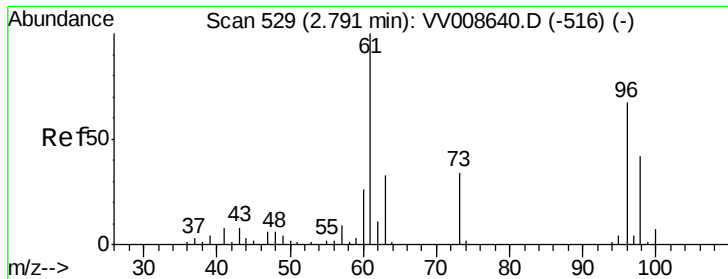
Tgt Ion: 96 Resp: 1153
 Ion Ratio Lower Upper
 96 100
 61 378.3 120.3 223.5#
 63 2326.5 82.5 153.3#



#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

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





#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

Instrument :

MSVOA_V

ClientSampleId :

H0FK6

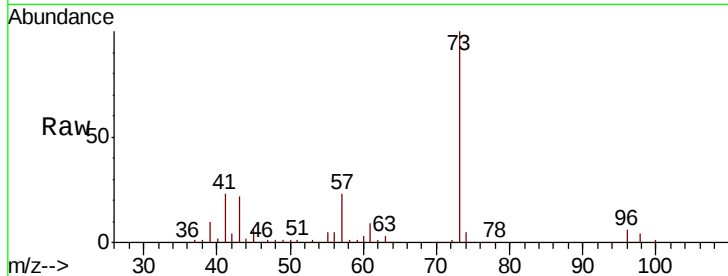
Tgt Ion: 96 Resp: 34801

Ion Ratio Lower Upper

96 100

61 146.2 97.1 180.3

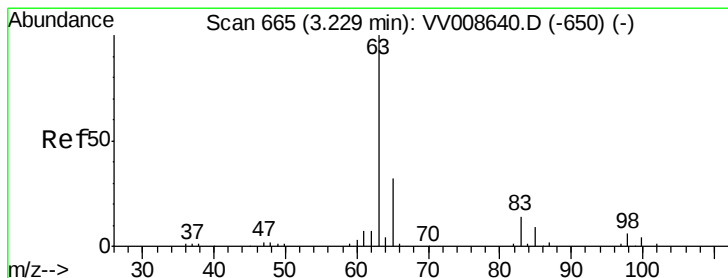
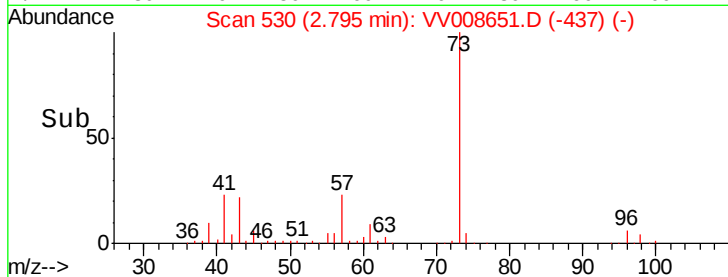
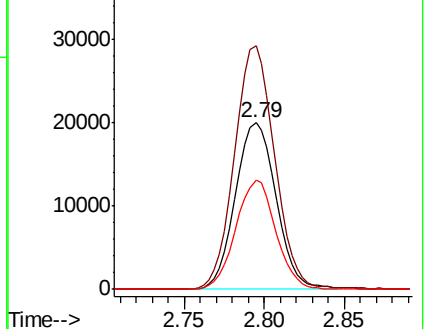
98 65.2 41.9 77.7



Abundance Ion 96.00 (95.70 to 96.70): VV008640.D (-516) (-)

Ion 61.05 (60.75 to 61.75): VV008640.D (-516) (-)

Ion 97.95 (97.65 to 98.65): VV008640.D (-516) (-)



#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

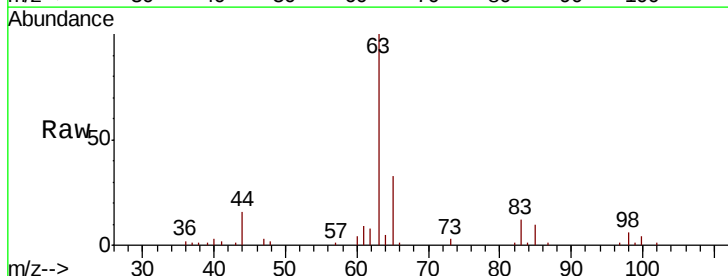
Tgt Ion: 63 Resp: 29138

Ion Ratio Lower Upper

63 100

65 32.5 23.2 43.0

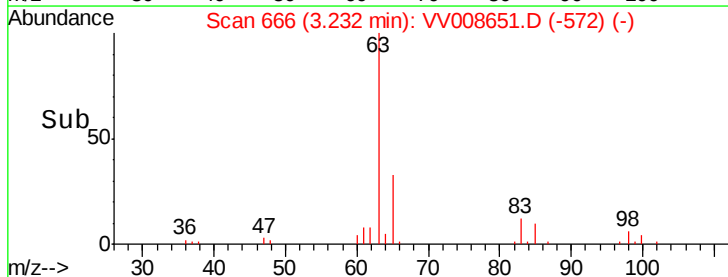
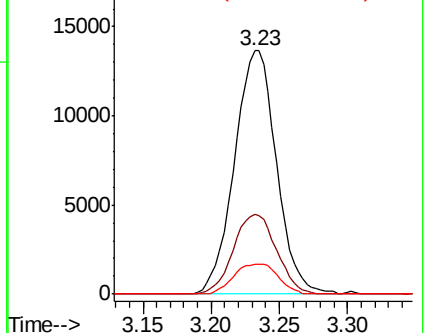
83 12.1 9.5 17.7

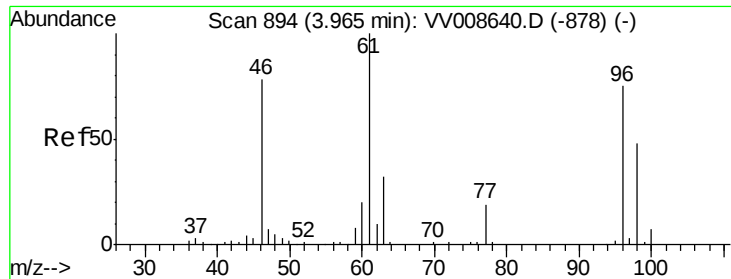


Abundance Ion 63.10 (62.80 to 63.80): VV008640.D (-650) (-)

Ion 65.10 (64.80 to 65.80): VV008640.D (-650) (-)

Ion 83.05 (82.75 to 83.75): VV008640.D (-650) (-)



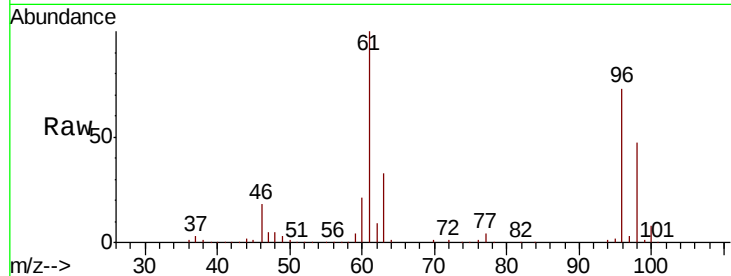


#22

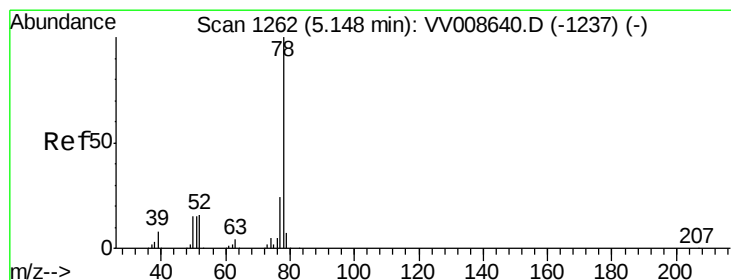
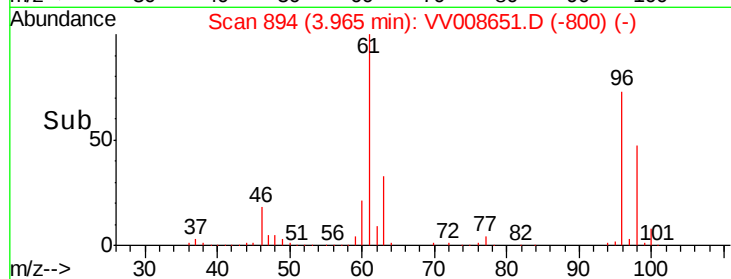
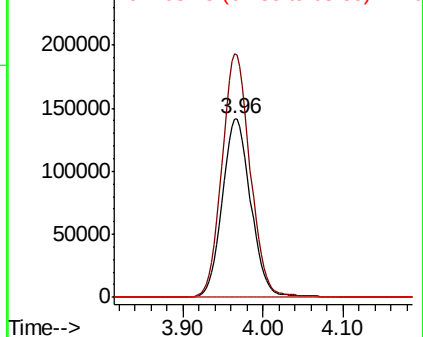
cis-1,2-Dichloroethene
 Concen: 29.151 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: VV008651.D
 Acq: 19 Nov 2018 15:15

Instrument :
 MSVOA_V
 ClientSampleId :
 H0FK6

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



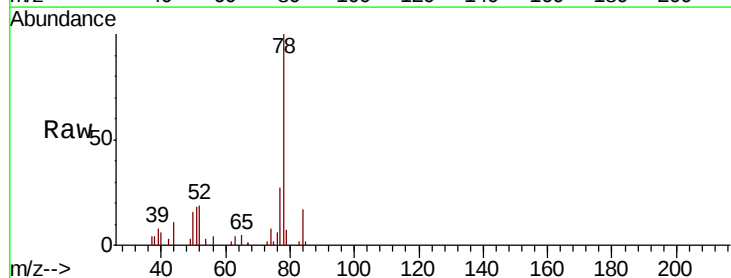
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



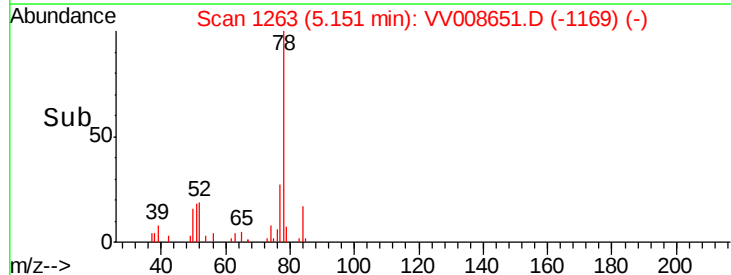
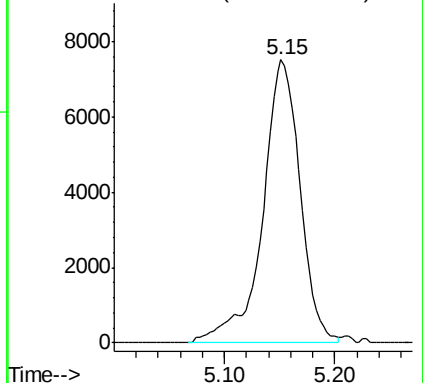
#33

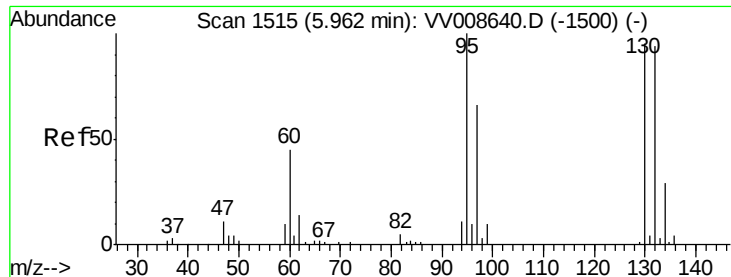
Benzene
 Concen: 0.402 ug/L
 RT: 5.15 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VV008651.D
 Acq: 19 Nov 2018 15:15

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

Instrument :

MSVOA_V

ClientSampleId :

H0FK6

Tgt Ion: 95 Resp: 259660

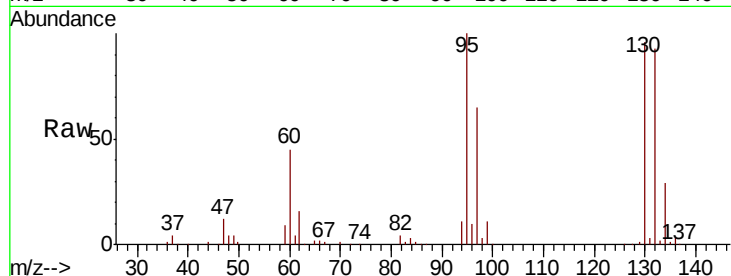
Ion Ratio Lower Upper

95 100

97 65.1 45.1 83.7

132 93.0 66.3 123.1

130 95.7 68.0 126.4



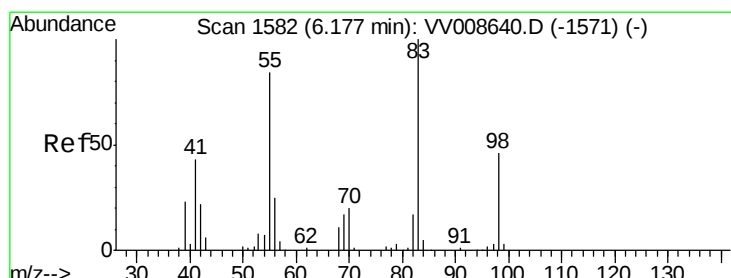
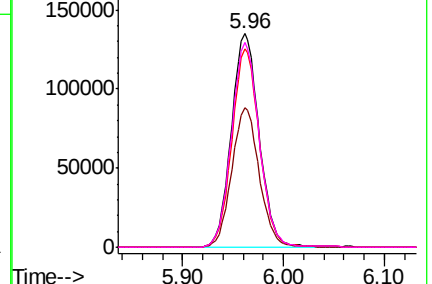
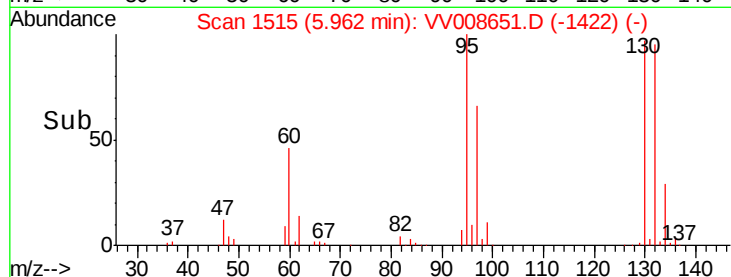
Abundance

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): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.632 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.05 min

Lab File: VV008651.D

Acq: 19 Nov 2018 15:15

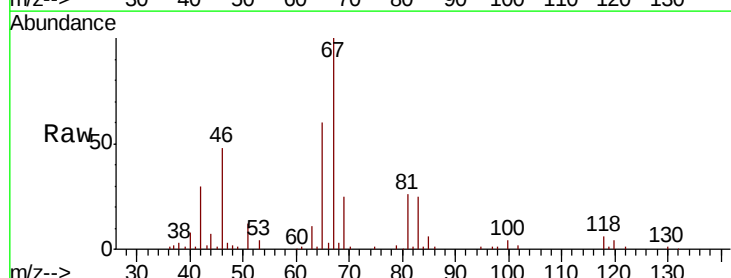
Tgt Ion: 83 Resp: 12440

Ion Ratio Lower Upper

83 100

55 0.2 65.6 98.4#

98 1.7 36.4 54.6#

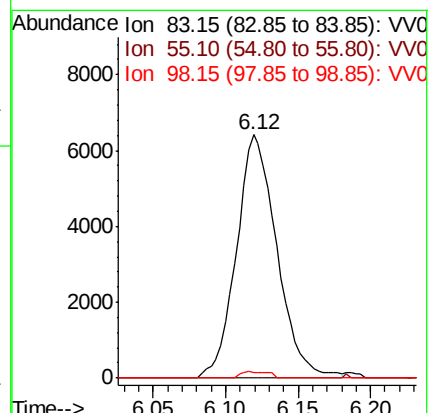
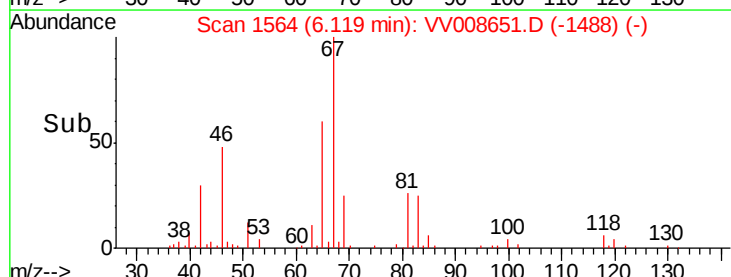


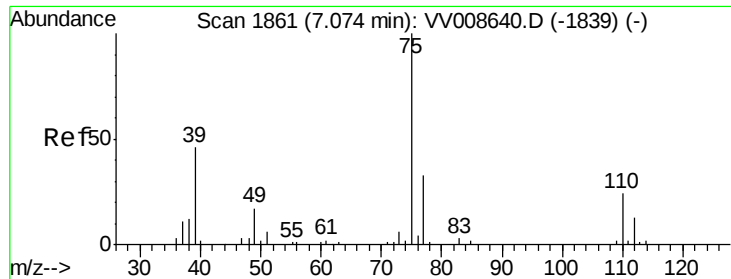
Abundance

Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#39

cis-1,3-Dichloropropene

Concen: 0.085 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. -0.04 min

Lab File: VV008651.D

Acq: 19 Nov 2018 15:15

Instrument :

MSVOA_V

ClientSampleId :

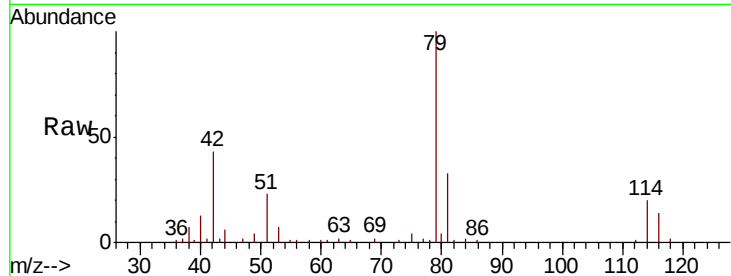
H0FK6

Tgt Ion: 75 Resp: 1317

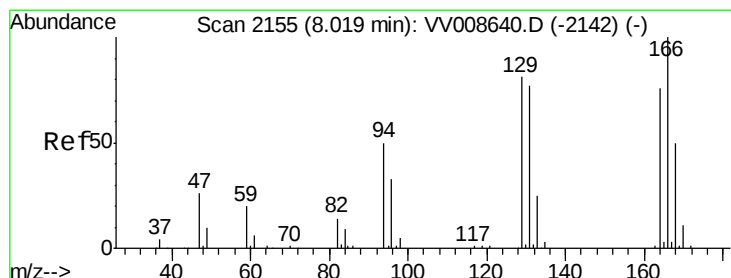
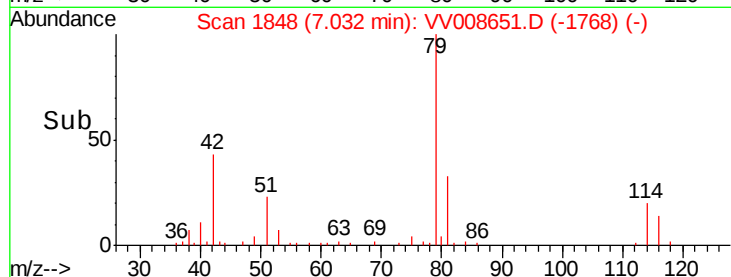
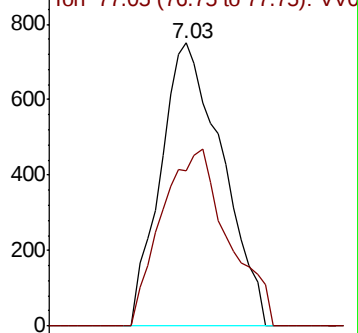
Ion Ratio Lower Upper

75 100

77 54.8 23.0 42.8#



Abundance Ion 75.05 (74.75 to 75.75): VV008640.D (-1839) (-)



#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

Tgt Ion:164 Resp: 6488

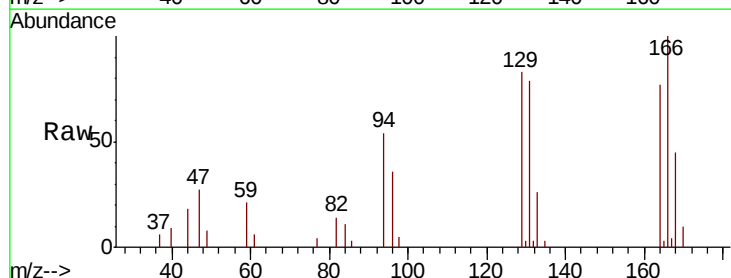
Ion Ratio Lower Upper

164 100

129 108.1 67.5 125.4

131 102.8 66.4 123.4

166 129.7 85.8 159.3

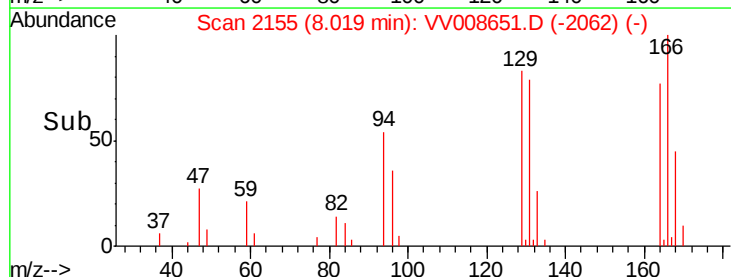
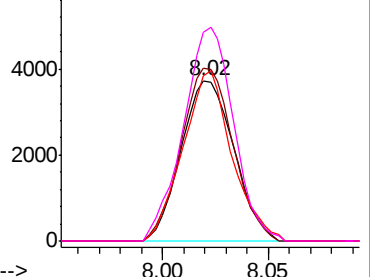


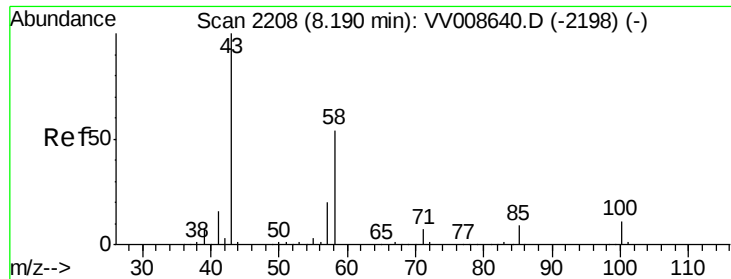
Abundance Ion 163.90 (163.60 to 164.60): VV008640.D (-2142) (-)

Ion 128.95 (128.65 to 129.65): VV008640.D (-2142) (-)

Ion 130.95 (130.65 to 131.65): VV008640.D (-2142) (-)

Ion 165.90 (165.60 to 166.60): VV008640.D (-2142) (-)

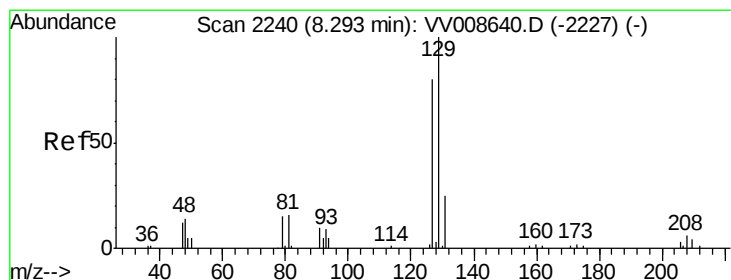
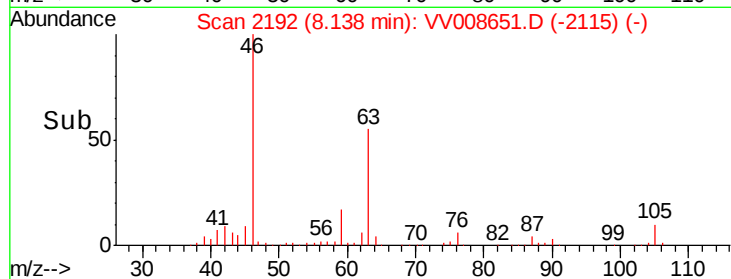
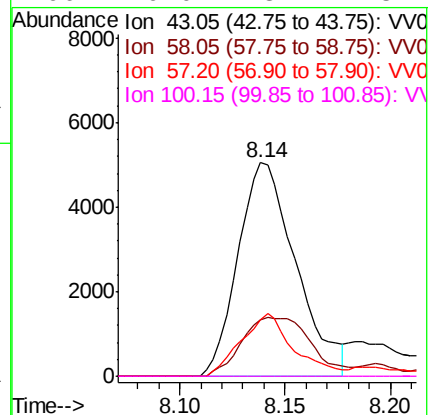
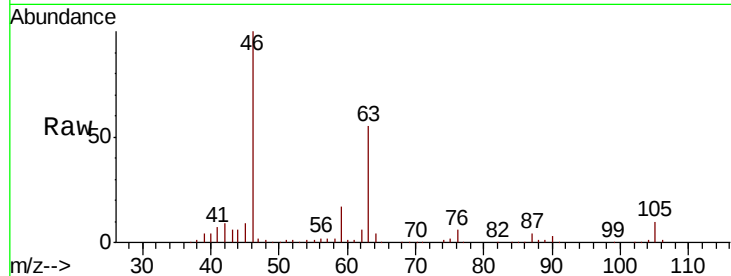




#48
2-Hexanone
Concen: 2.111 ug/L
RT: 8.14 min Scan# 2192
Delta R.T. -0.05 min
Lab File: VV008651.D
Acq: 19 Nov 2018 15:15

Instrument :
MSVOA_V
ClientSampleId :
H0FK6

Tgt Ion: 43 Resp: 9646
Ion Ratio Lower Upper
43 100
58 32.5 41.8 62.8#
57 26.4 15.4 23.0#
100 0.0 8.7 13.1#



#49
Dibromochloromethane
Concen: 0.792 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. -0.27 min
Lab File: VV008651.D
Acq: 19 Nov 2018 15:15

Tgt Ion: 129 Resp: 6632
Ion Ratio Lower Upper
129 100
127 0.0 54.6 101.4#

