

Data File : VV012288.D
Acq On : 19 Aug 2019 20:24
Operator : SY/MD
Sample : K4395-03
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AE0

Quant Time: Aug 20 02:39:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Aug 20 02:35:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	112286	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	109801	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	53606	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	23888	4.16	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.20%
7) Chloroethane-d5	1.58	69	18799	4.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.60%
11) 1,1-Dichloroethene-d2	2.13	63	35944	3.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.00%
20) 2-Butanone-d5	3.95	46	66310	42.87	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.74%
24) Chloroform-d	4.40	84	72850	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	5.08	65	38958	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.40%
32) Benzene-d6	5.10	84	134592	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
36) 1,2-Dichloropropane-d6	6.12	67	38035	4.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.60%
41) Toluene-d8	7.36	98	121113	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
43) trans-1,3-Dichloropropene-	7.66	79	14684	4.16	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.20%
46) 2-Hexanone-d5	8.14	63	48700	43.75	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.50%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	28260	4.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	55302	5.13	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.60%

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	594	0.085 ug/L	83
8) Chloroethane	1.63	64	14934	4.059 ug/L #	49
12) 1,1-Dichloroethene	2.13	96	397	0.077 ug/L #	1
17) Methyl tert-butyl Ether	2.80	73	58675	3.570 ug/L	99
27) 1,2-Dichloroethane	5.09	62	911	0.099 ug/L #	74
33) Benzene	5.15	78	6601	0.217 ug/L	100
35) Methylcyclohexane	6.12	83	11034	0.827 ug/L #	20
37) 1,2-Dichloropropane	6.11	63	4747	0.668 ug/L #	81
39) cis-1,3-Dichloropropene	7.03	75	1111	0.098 ug/L #	61
42) Toluene	7.43	91	2967	0.088 ug/L	91
44) trans-1,3-Dichloropropene	7.66	75	504	0.056 ug/L	91
45) 1,1,2-Trichloroethane	7.74	97	1848	0.339 ug/L #	17
48) 2-Hexanone	8.19	43	5980	2.227 ug/L #	89
53) m,p-xylene	9.18	106	1453	0.099 ug/L	88
56) Isopropylbenzene	9.97	105	9390	0.241 ug/L	98
69) Naphthalene	13.55	128	1891	0.126 ug/L #	80

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081919\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Aug 20 02:35:23 2019
Response via : Initial Calibration

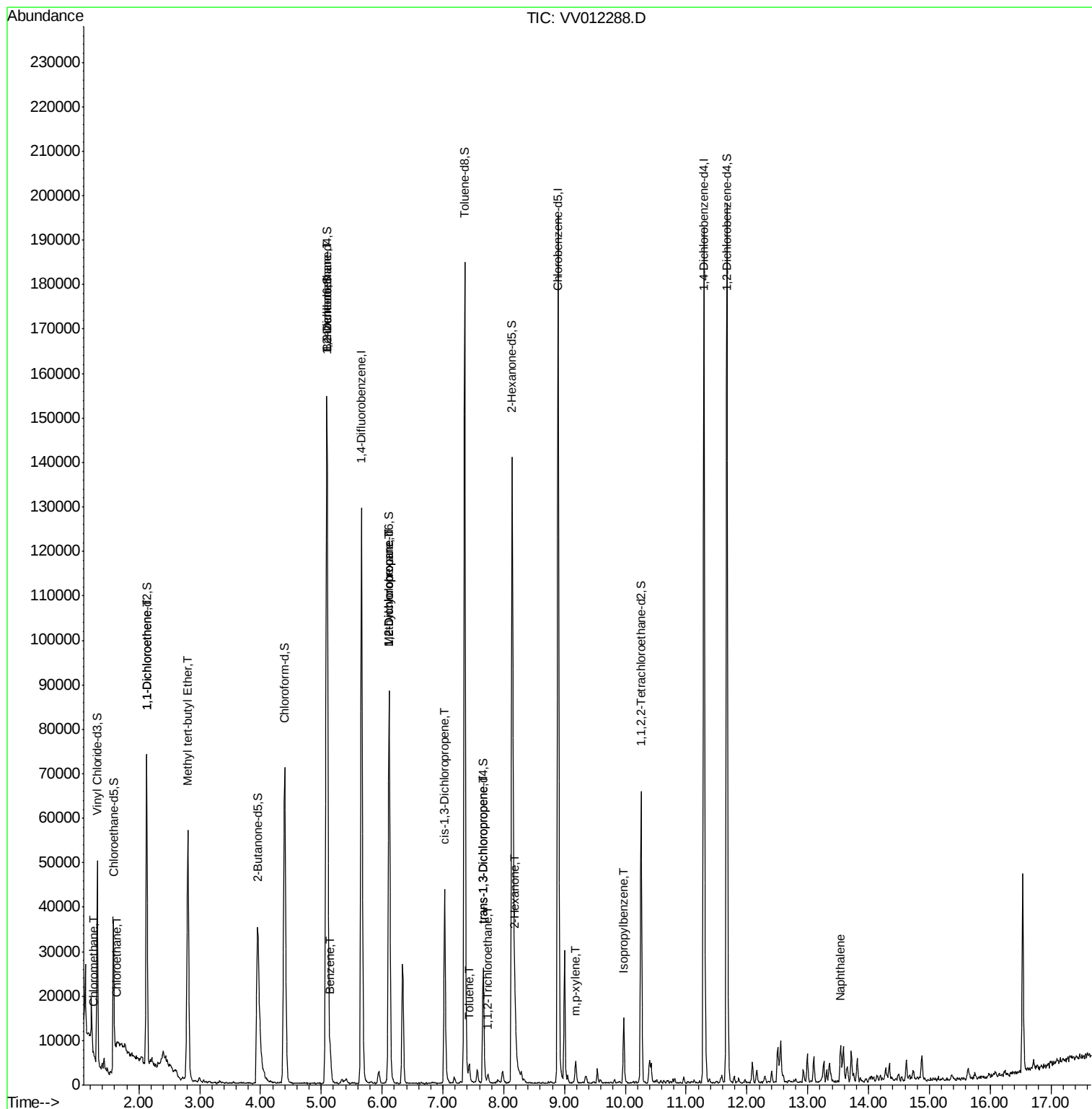
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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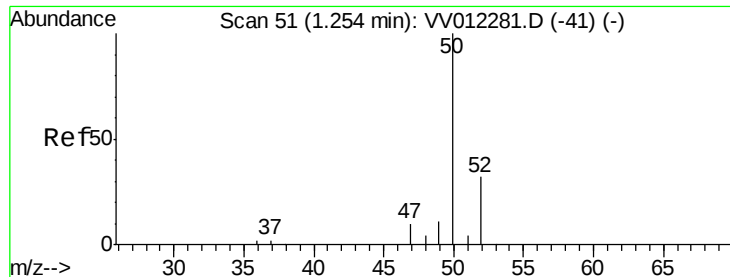
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.085 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012288.D

Acq: 19 Aug 2019 20:24

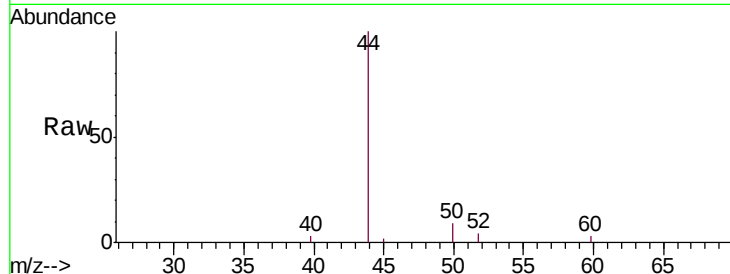
Instrument :
MSVOA_V
ClientSampled :
C0AE0

Tgt Ion: 50 Resp: 594

Ion Ratio Lower Upper

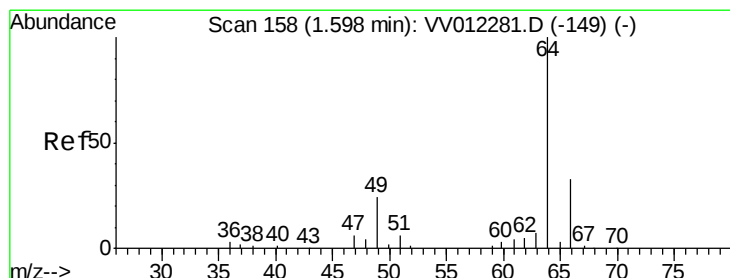
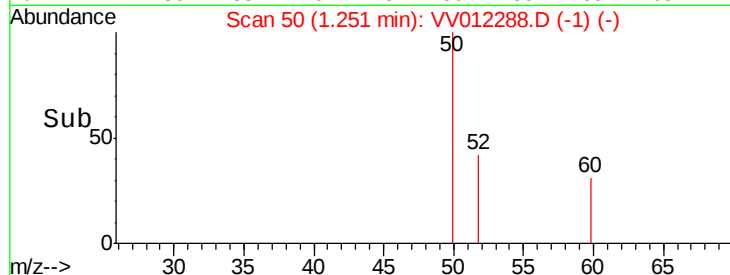
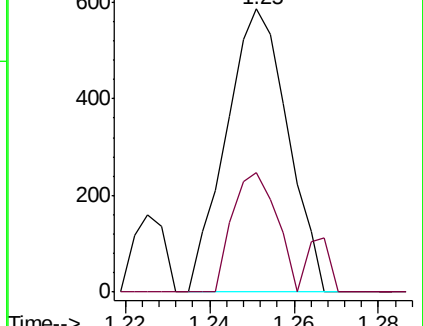
50 100

52 42.0 22.6 42.0



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#8

Chloroethane

Concen: 4.059 ug/L

RT: 1.63 min Scan# 169

Delta R.T. 0.04 min

Lab File: VV012288.D

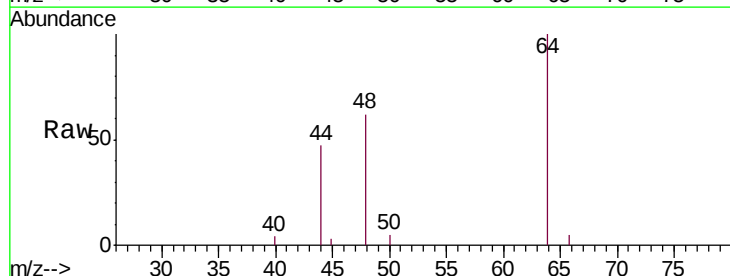
Acq: 19 Aug 2019 20:24

Tgt Ion: 64 Resp: 14934

Ion Ratio Lower Upper

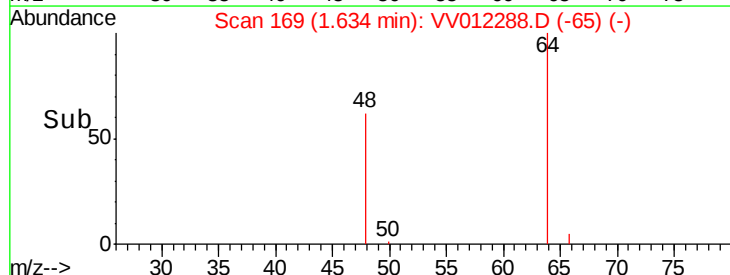
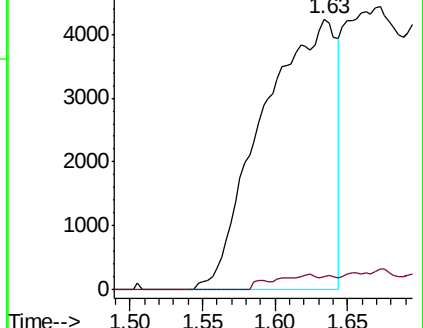
64 100

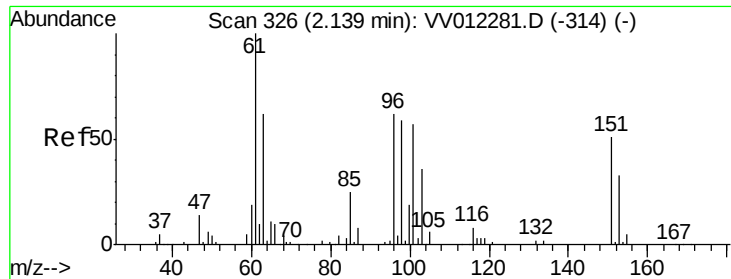
66 4.9 23.7 44.1#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0

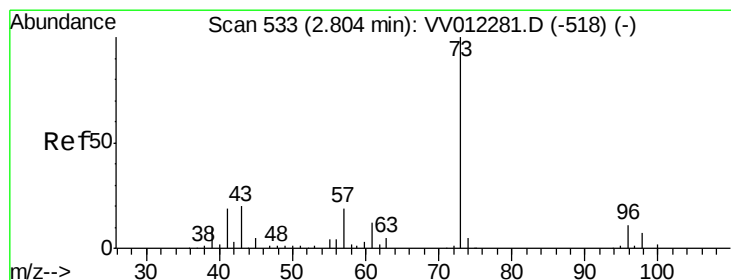
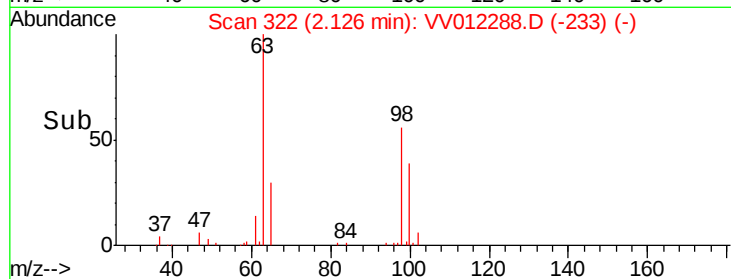
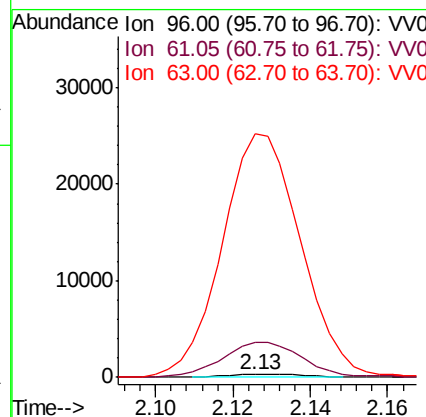
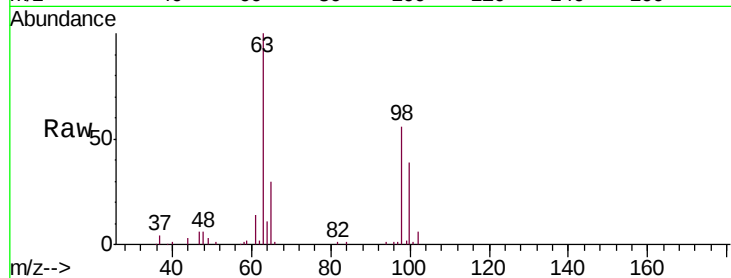




#12
 1,1-Dichloroethene
 Concen: 0.077 ug/L
 RT: 2.13 min Scan# 322
 Delta R.T. -0.01 min
 Lab File: VV012288.D
 Acq: 19 Aug 2019 20:24

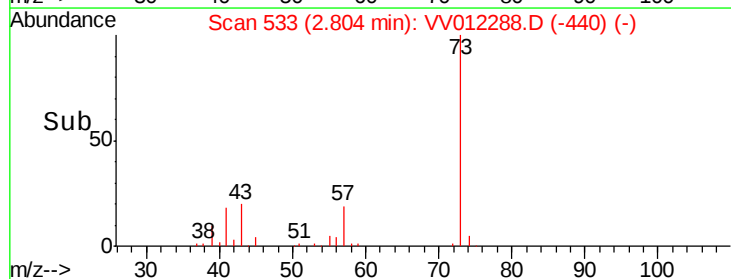
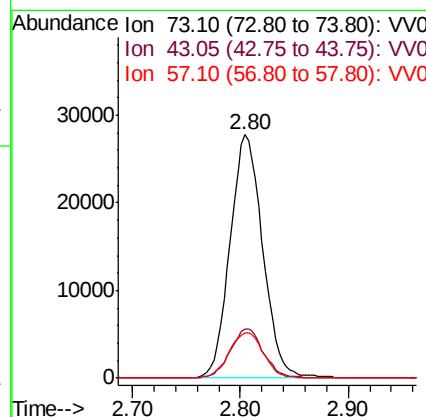
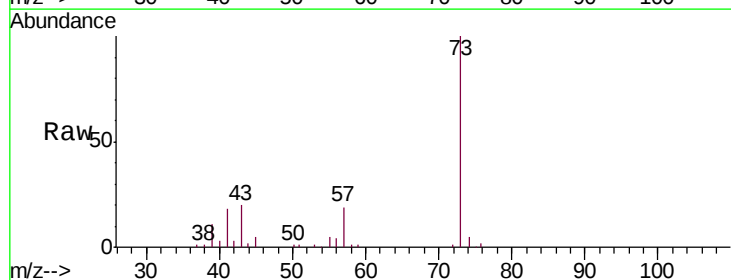
Instrument :
 MSVOA_V
 ClientSampleId :
 C0AE0

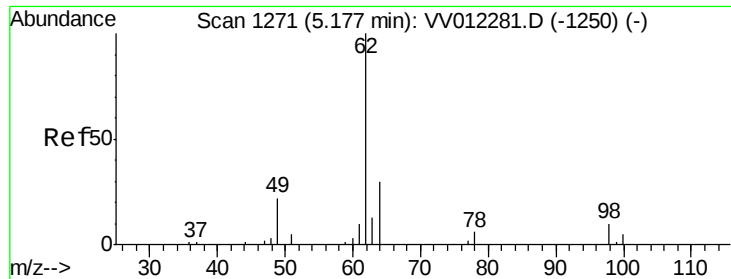
Tgt Ion: 96 Resp: 397
 Ion Ratio Lower Upper
 96 100
 61 1254.5 117.7 218.7#
 63 8695.2 81.1 150.5#



#17
 Methyl tert-butyl Ether
 Concen: 3.570 ug/L
 RT: 2.80 min Scan# 533
 Delta R.T. -0.00 min
 Lab File: VV012288.D
 Acq: 19 Aug 2019 20:24

Tgt Ion: 73 Resp: 58675
 Ion Ratio Lower Upper
 73 100
 43 20.6 17.0 25.4
 57 19.7 15.8 23.6

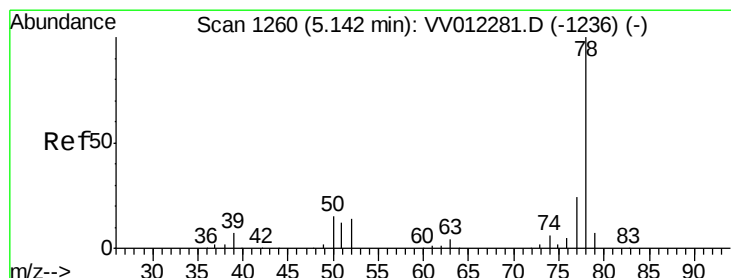
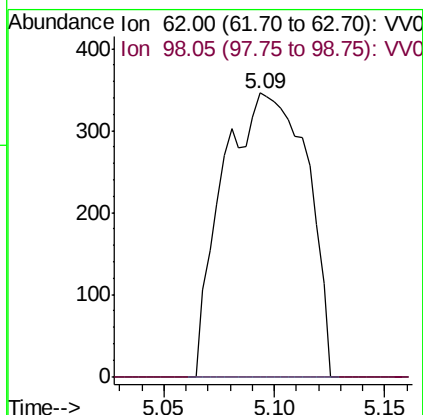
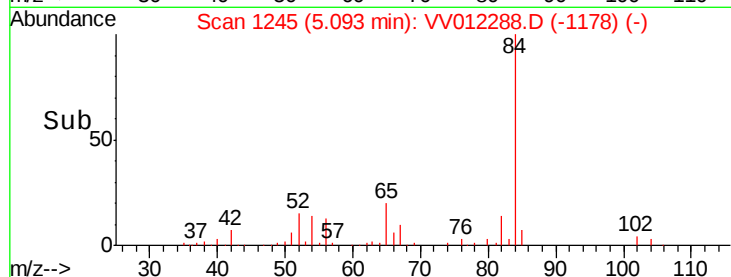
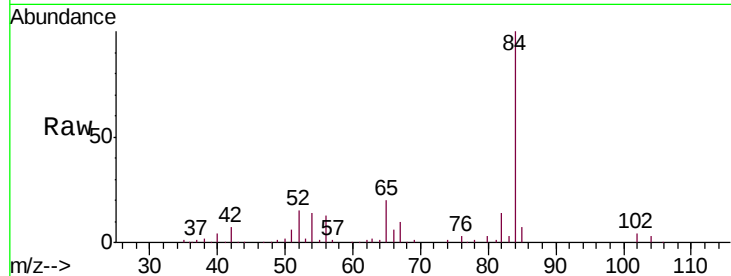




#27
 1,2-Dichloroethane
 Concen: 0.099 ug/L
 RT: 5.09 min Scan# 1245
 Delta R.T. -0.08 min
 Lab File: VV012288.D
 Acq: 19 Aug 2019 20:24

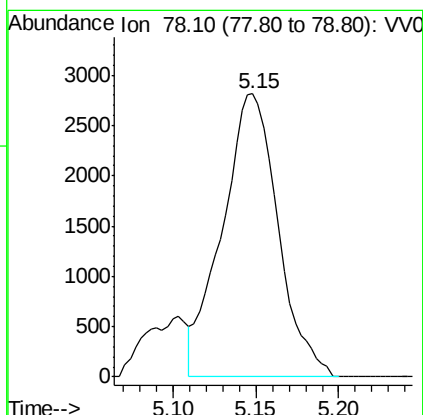
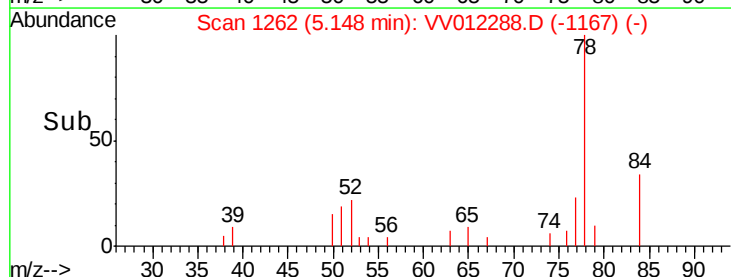
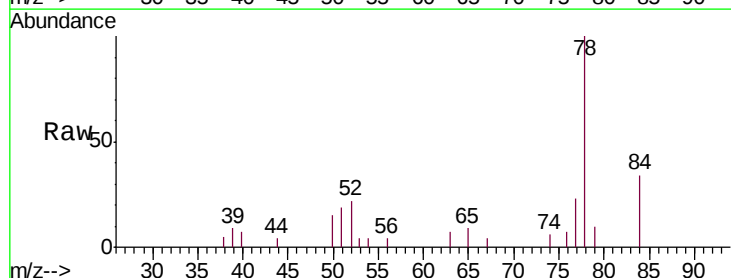
Instrument :
 MSVOA_V
 ClientSampleId :
 C0AE0

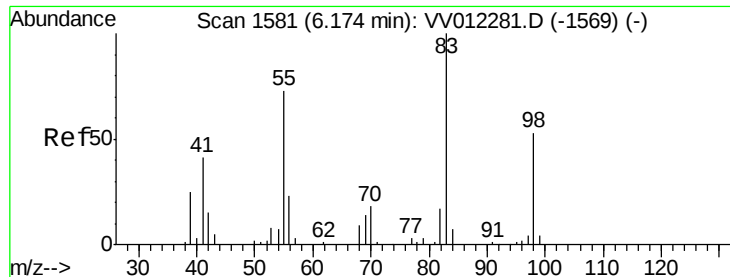
Tgt Ion: 62 Resp: 911
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.6 11.4#



#33
 Benzene
 Concen: 0.217 ug/L
 RT: 5.15 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VV012288.D
 Acq: 19 Aug 2019 20:24

Tgt Ion: 78 Resp: 6601

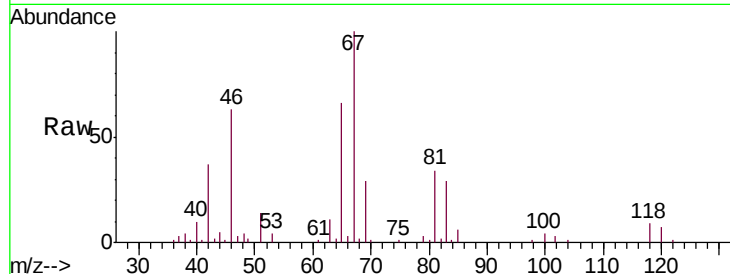




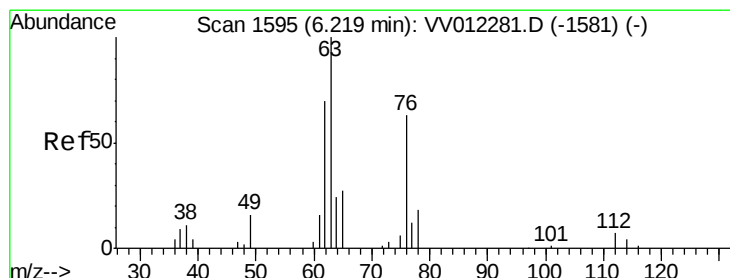
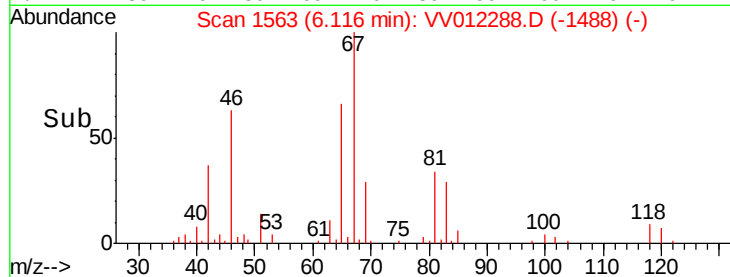
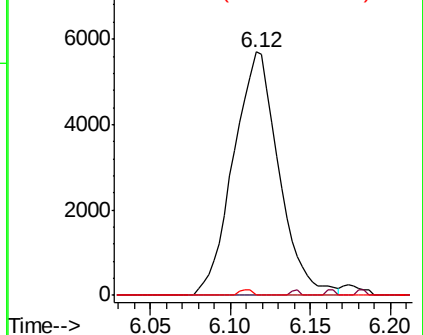
#35
Methylcyclohexane
Concen: 0.827 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV012288.D
Acq: 19 Aug 2019 20:24

Instrument :
MSVOA_V
ClientSampleId :
C0AE0

Tgt Ion: 83 Resp: 11034
Ion Ratio Lower Upper
83 100
55 0.4 57.3 85.9#
98 0.6 40.3 60.5#

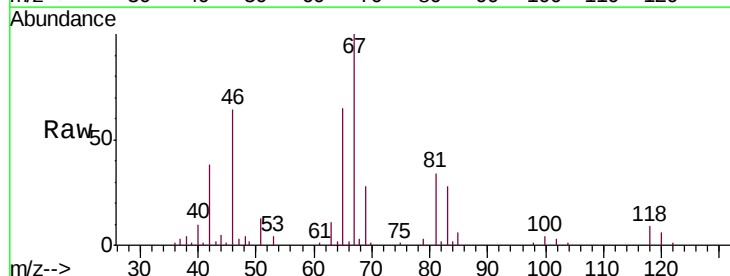


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

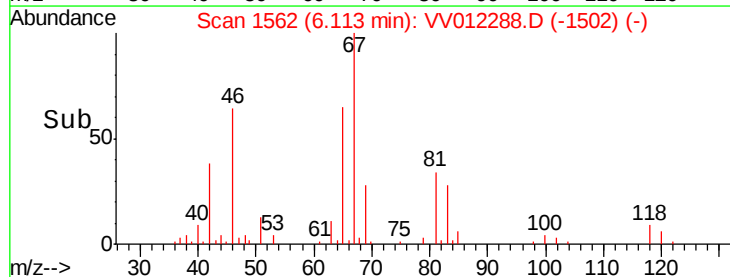
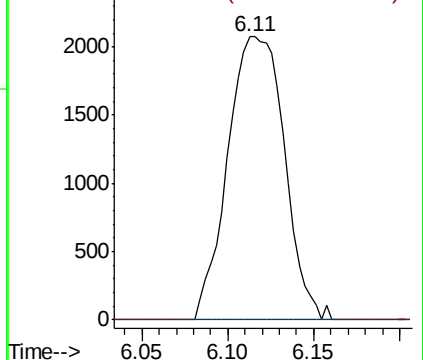


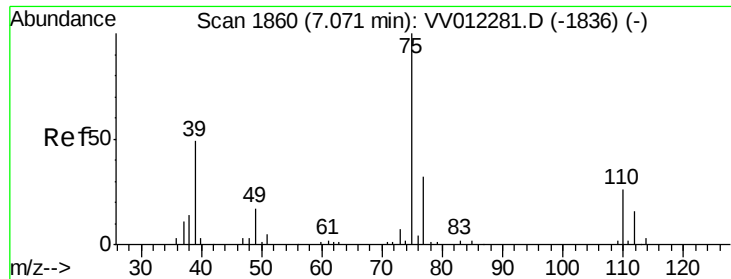
#37
1,2-Dichloropropane
Concen: 0.668 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.11 min
Lab File: VV012288.D
Acq: 19 Aug 2019 20:24

Tgt Ion: 63 Resp: 4747
Ion Ratio Lower Upper
63 100
112 0.0 5.1 7.7#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V

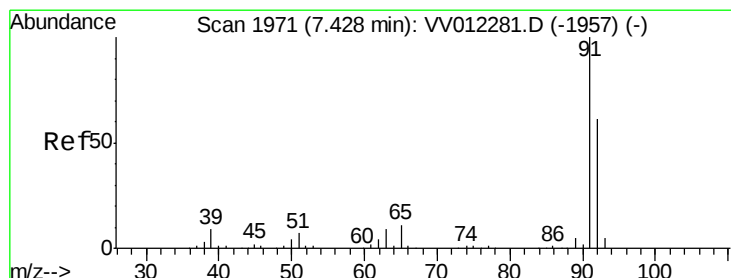
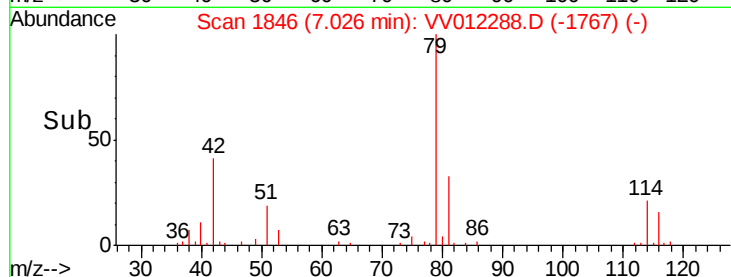
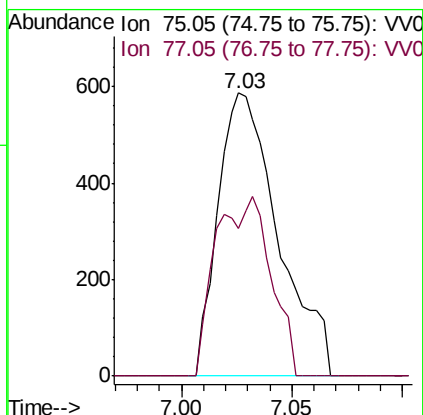
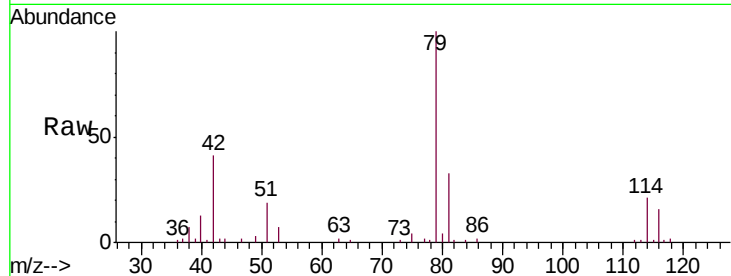




#39
 cis-1,3-Dichloropropene
 Concen: 0.098 ug/L
 RT: 7.03 min Scan# 1846
 Delta R.T. -0.05 min
 Lab File: VV012288.D
 Acq: 19 Aug 2019 20:24

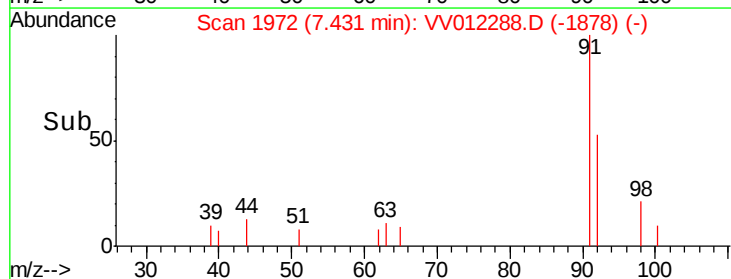
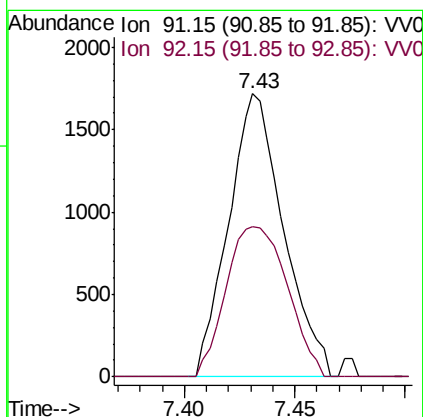
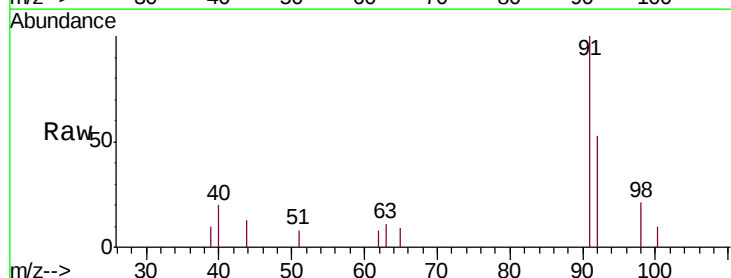
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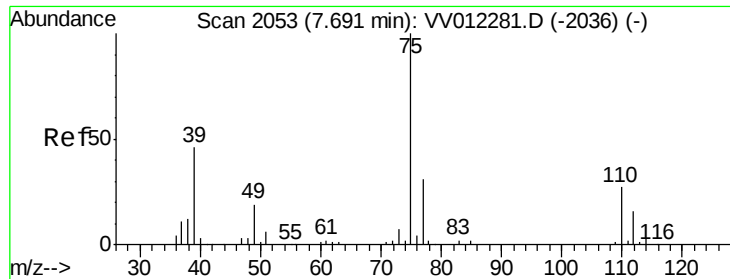
Tgt Ion: 75 Resp: 1111
 Ion Ratio Lower Upper
 75 100
 77 52.1 21.5 39.9#



#42
 Toluene
 Concen: 0.088 ug/L
 RT: 7.43 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VV012288.D
 Acq: 19 Aug 2019 20:24

Tgt Ion: 91 Resp: 2967
 Ion Ratio Lower Upper
 91 100
 92 53.1 41.6 77.3





#44

trans-1,3-Dichloropropene

Concen: 0.056 ug/L

RT: 7.66 min Scan# 2043

Delta R.T. -0.03 min

Lab File: VV012288.D

Acq: 19 Aug 2019 20:24

Instrument :

MSVOA_V

ClientSampleId :

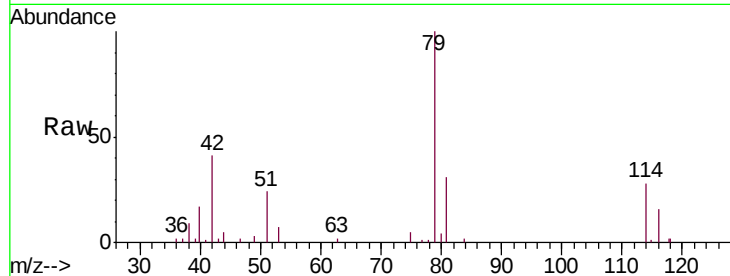
C0AE0

Tgt Ion: 75 Resp: 504

Ion Ratio Lower Upper

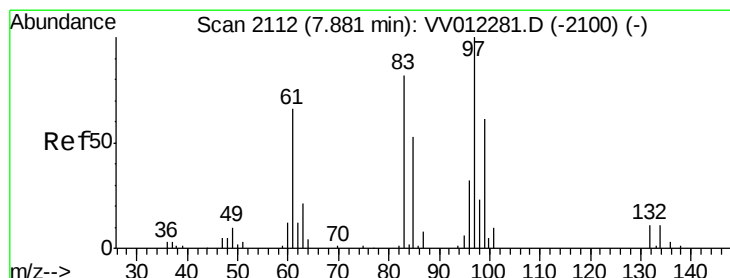
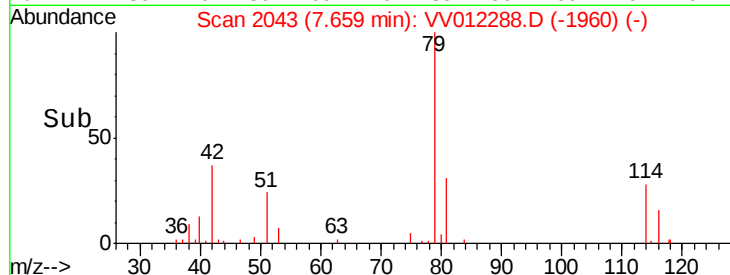
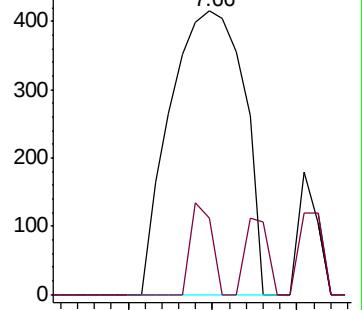
75 100

77 26.7 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#45

1,1,2-Trichloroethane

Concen: 0.339 ug/L

RT: 7.74 min Scan# 2068

Delta R.T. -0.14 min

Lab File: VV012288.D

Acq: 19 Aug 2019 20:24

Tgt Ion: 97 Resp: 1848

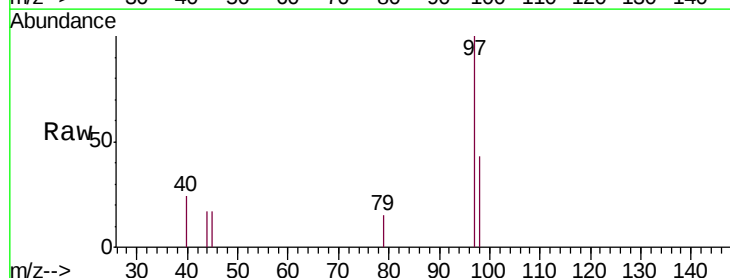
Ion Ratio Lower Upper

97 100

99 0.0 44.7 83.1#

83 0.0 56.8 105.6#

85 0.0 34.5 64.1#

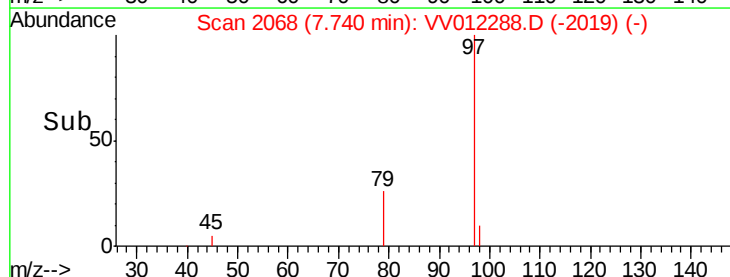
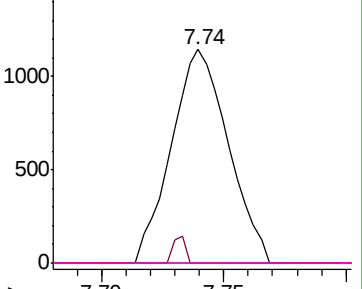


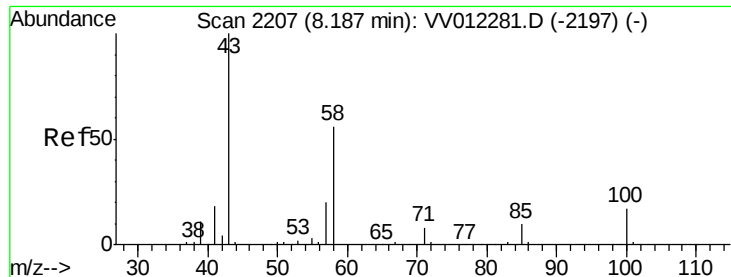
Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

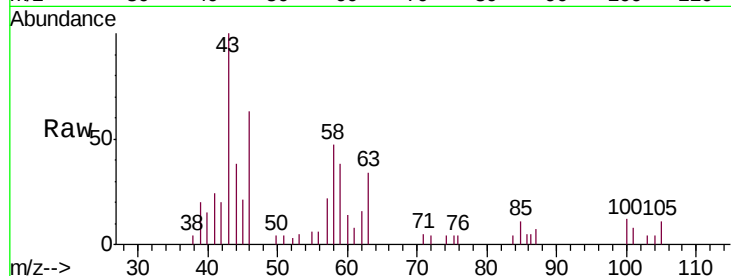




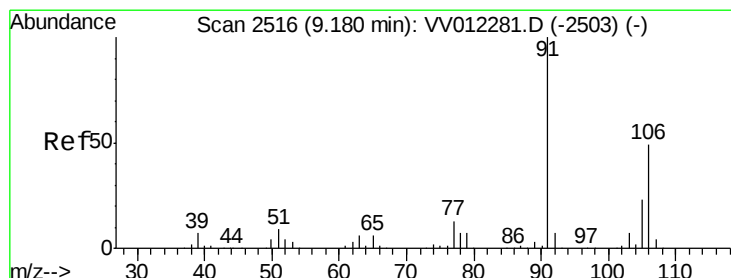
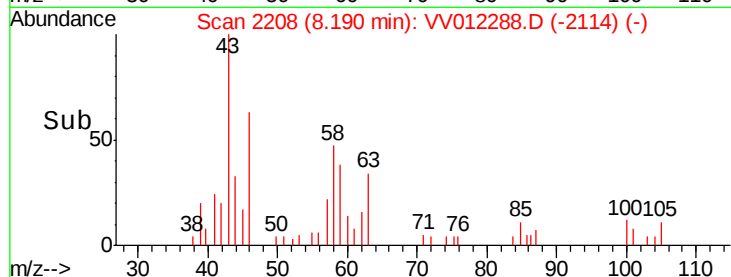
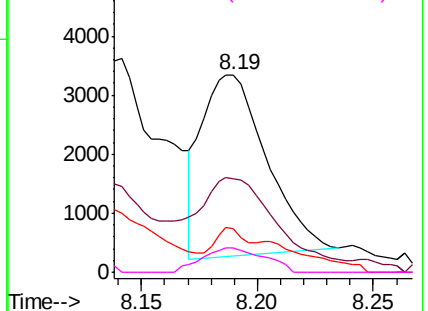
#48
2-Hexanone
Concen: 2.227 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV012288.D
Acq: 19 Aug 2019 20:24

Instrument :
MSVOA_V
ClientSampleId :
C0AE0

Tgt Ion: 43 Resp: 5980
Ion Ratio Lower Upper
43 100
58 53.1 45.4 68.2
57 6.2 16.8 25.2#
100 12.7 12.2 18.2

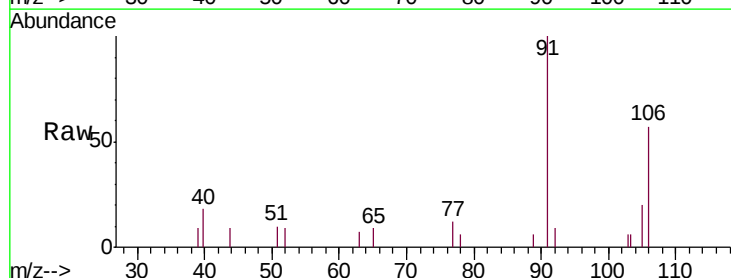


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

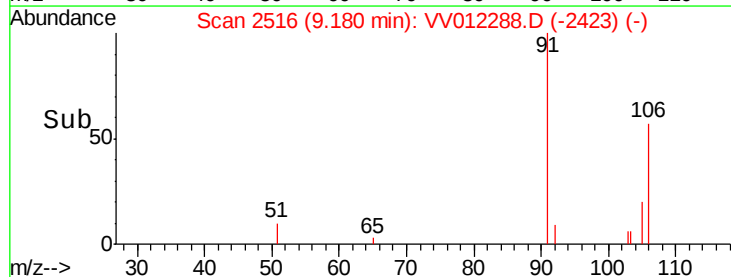
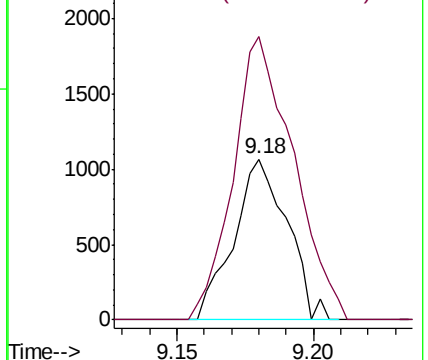


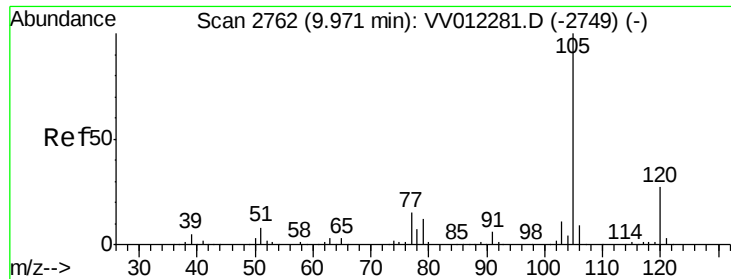
#53
m,p-xylene
Concen: 0.099 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. -0.00 min
Lab File: VV012288.D
Acq: 19 Aug 2019 20:24

Tgt Ion: 106 Resp: 1453
Ion Ratio Lower Upper
106 100
91 176.2 136.0 252.6



Abundance Ion 106.15 (105.85 to 106.85): VV0
Ion 91.15 (90.85 to 91.85): VV0





#56

Isopropylbenzene

Concen: 0.241 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012288.D

Acq: 19 Aug 2019 20:24

Instrument :

MSVOA_V

ClientSampleId :

C0AE0

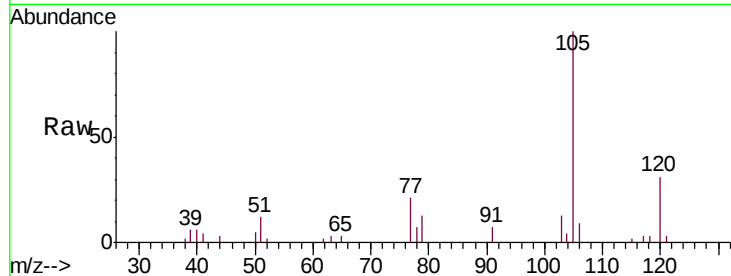
Tgt Ion:105 Resp: 9390

Ion Ratio Lower Upper

105 100

120 27.1 21.4 32.0

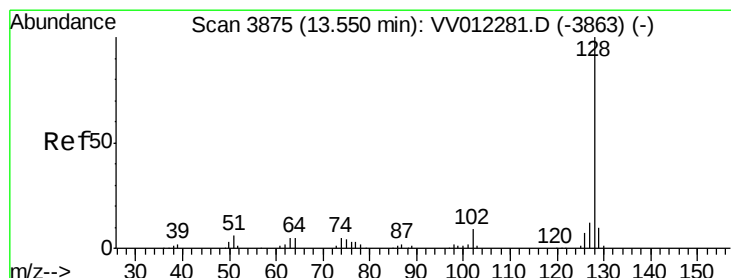
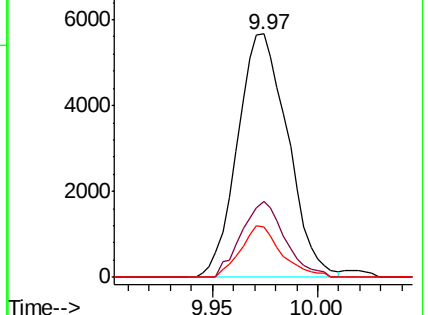
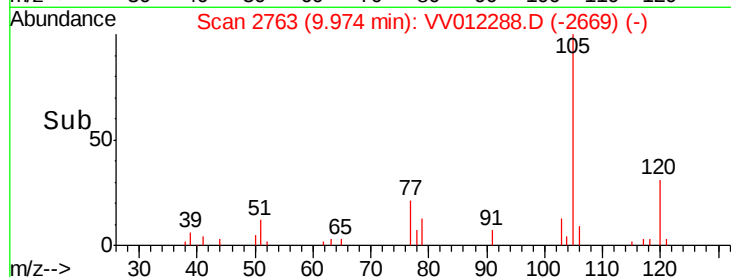
77 17.2 12.2 18.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#69

Naphthalene

Concen: 0.126 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV012288.D

Acq: 19 Aug 2019 20:24

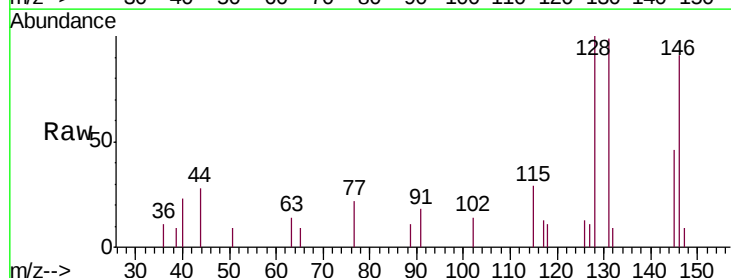
Tgt Ion:128 Resp: 1891

Ion Ratio Lower Upper

128 100

129 3.4 8.7 13.1#

127 5.0 10.5 15.7#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

