

Data File : VV012237.D
Acq On : 14 Aug 2019 16:19
Operator : SY/MD
Sample : K4337-11
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AA2

Quant Time: Aug 15 23:32:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Aug 15 23:30:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	213923	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	207602	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	90616	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	55525	4.21	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.20%
7) Chloroethane-d5	1.58	69	49085	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.40%
11) 1,1-Dichloroethene-d2	2.13	63	76257	3.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.60%
20) 2-Butanone-d5	3.96	46	130094	45.70	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.40%
24) Chloroform-d	4.40	84	117049	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.60%
26) 1,2-Dichloroethane-d4	5.08	65	56913	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
32) Benzene-d6	5.10	84	233496	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
36) 1,2-Dichloropropane-d6	6.12	67	69562	4.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.80%
41) Toluene-d8	7.36	98	197757	4.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.40%
43) trans-1,3-Dichloropropene-	7.66	79	23643	3.99	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.80%
46) 2-Hexanone-d5	8.14	63	73150	38.49	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	76.98%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	47778	4.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	72545	4.73	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.60%

Target Compounds

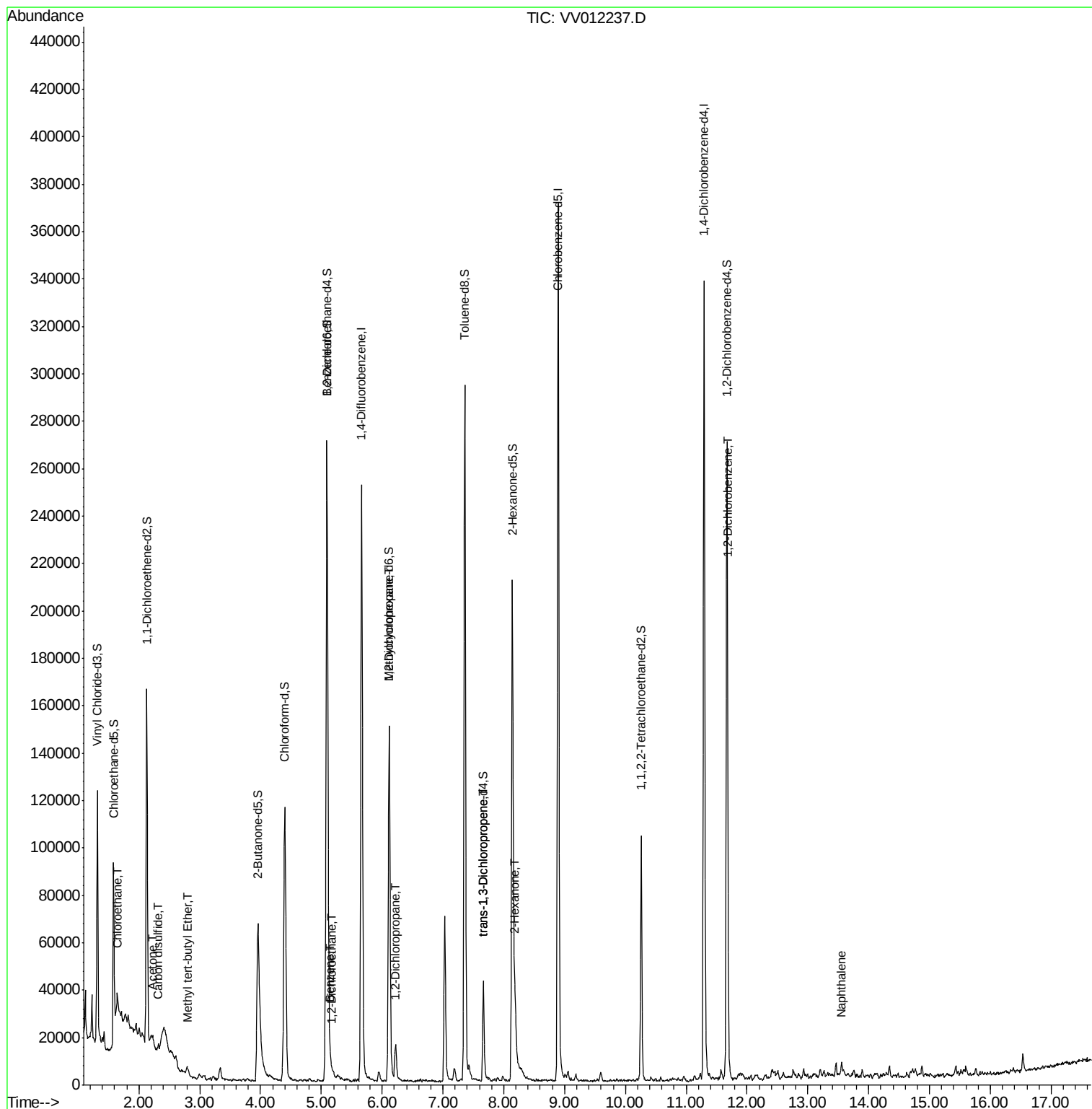
					Qvalue	
8) Chloroethane	1.65	64	43865	3.980	ug/L #	53
13) Acetone	2.22	43	6243	3.519	ug/L	94
14) Carbon disulfide	2.32	76	3350	0.102	ug/L #	80
17) Methyl tert-butyl Ether	2.80	73	2225	0.072	ug/L #	56
27) 1,2-Dichloroethane	5.19	62	2298	0.134	ug/L #	90
33) Benzene	5.15	78	4946	0.079	ug/L	100
35) Methylcyclohexane	6.12	83	17637	0.669	ug/L #	18
37) 1,2-Dichloropropane	6.22	63	5562	0.356	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	1138	0.067	ug/L	96
48) 2-Hexanone	8.19	43	14875	2.457	ug/L #	81
65) 1,2-Dichlorobenzene	11.69	146	2533	0.092	ug/L	89
69) Naphthalene	13.56	128	4060	0.166	ug/L	98

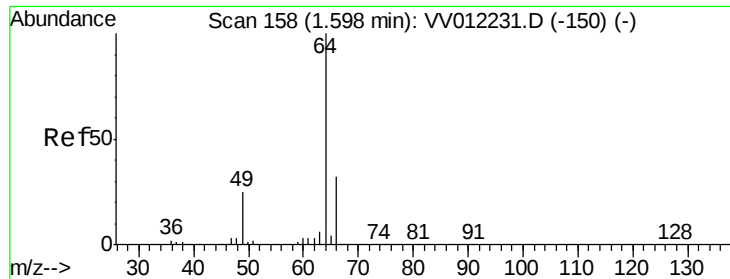
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Aug 15 23:30:01 2019
Response via : Initial Calibration





#8

Chloroethane

Concen: 3.980 ug/L

RT: 1.65 min Scan# 174

Delta R.T. 0.05 min

Lab File: VV012237.D

Acq: 14 Aug 2019 16:19

Instrument :

MSVOA_V

ClientSampled :

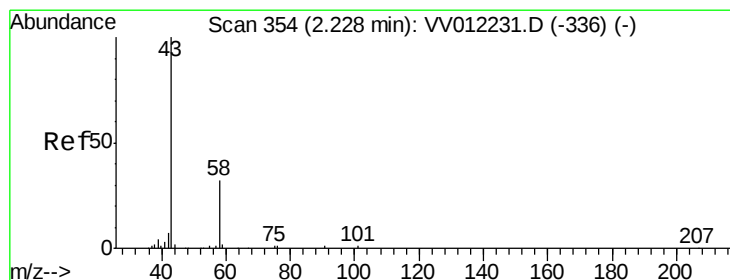
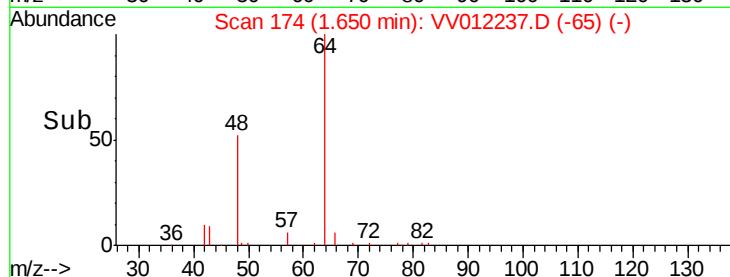
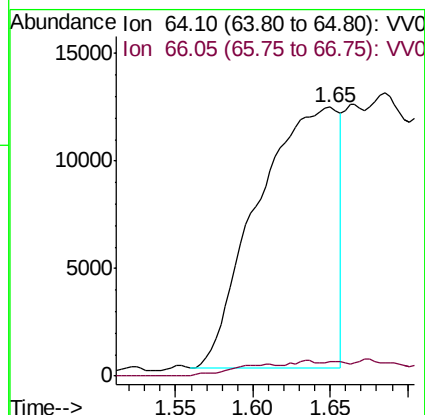
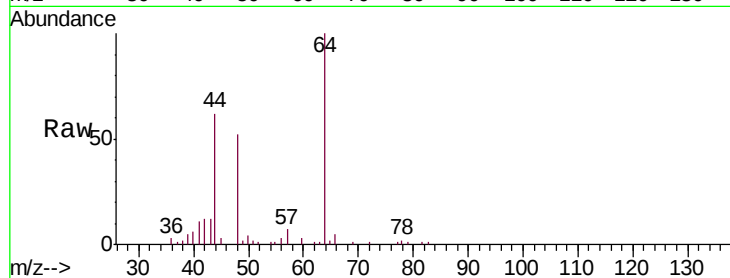
C0AA2

Tgt Ion: 64 Resp: 43865

Ion Ratio Lower Upper

64 100

66 5.4 21.8 40.4#



#13

Acetone

Concen: 3.519 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.01 min

Lab File: VV012237.D

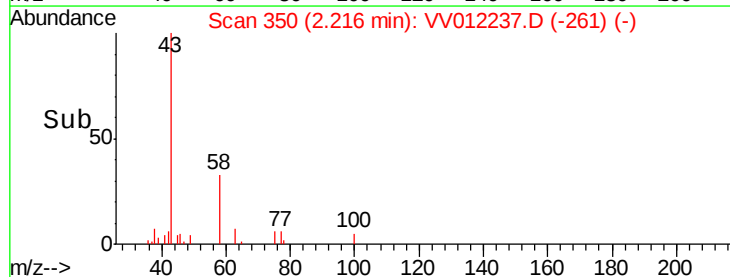
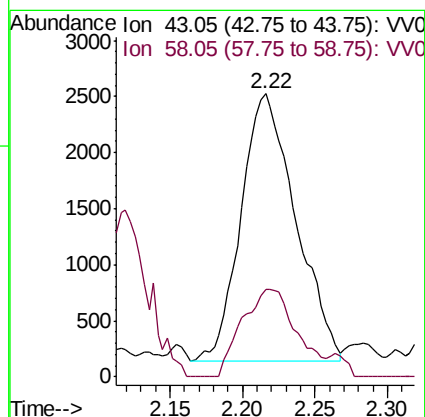
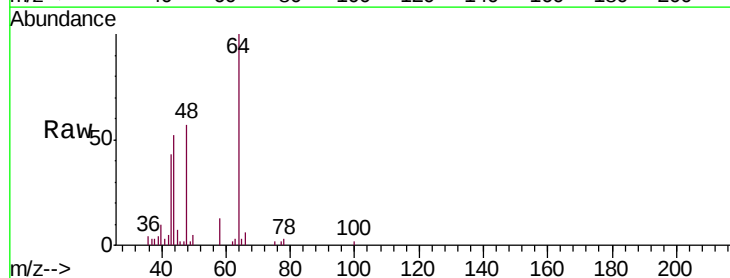
Acq: 14 Aug 2019 16:19

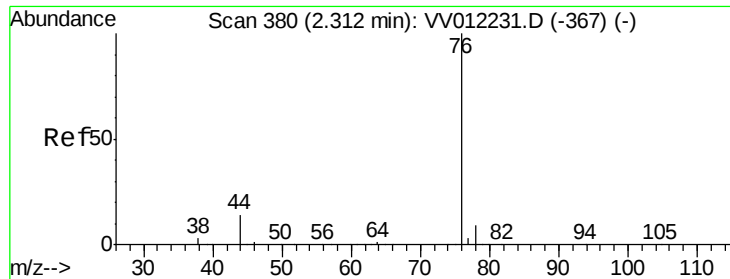
Tgt Ion: 43 Resp: 6243

Ion Ratio Lower Upper

43 100

58 32.7 0.0 59.4





#14

Carbon disulfide

Concen: 0.102 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VV012237.D

Acq: 14 Aug 2019 16:19

Instrument :

MSVOA_V

ClientSampleId :

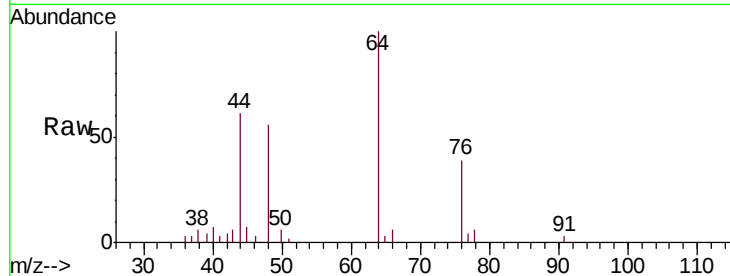
C0AA2

Tgt Ion: 76 Resp: 3350

Ion Ratio Lower Upper

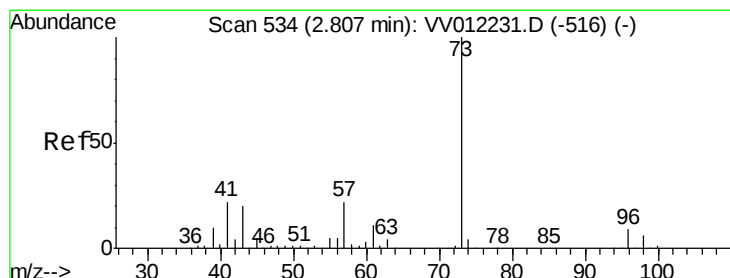
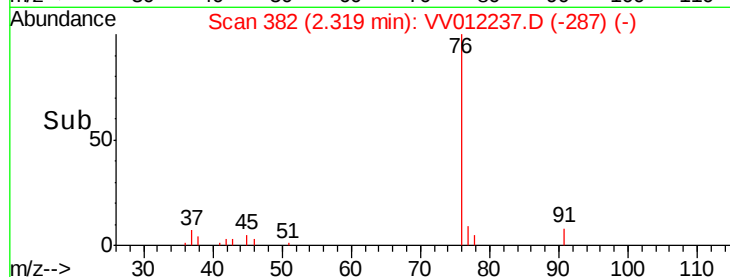
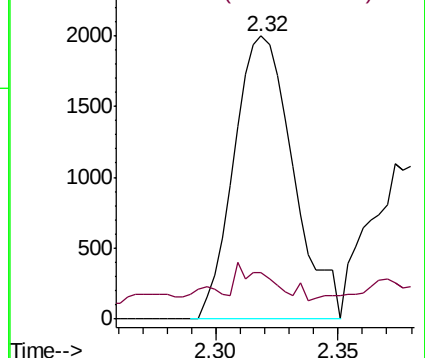
76 100

78 16.3 7.2 10.8#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#17

Methyl tert-butyl Ether

Concen: 0.072 ug/L

RT: 2.80 min Scan# 533

Delta R.T. -0.00 min

Lab File: VV012237.D

Acq: 14 Aug 2019 16:19

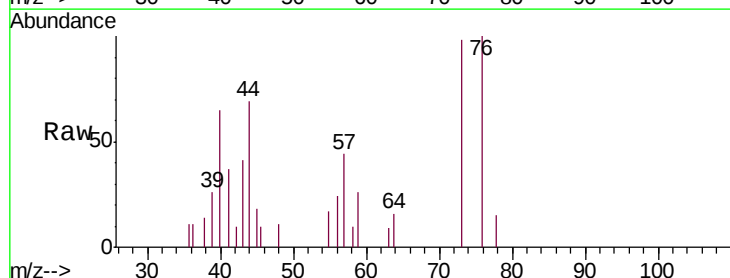
Tgt Ion: 73 Resp: 2225

Ion Ratio Lower Upper

73 100

43 37.5 15.4 23.0#

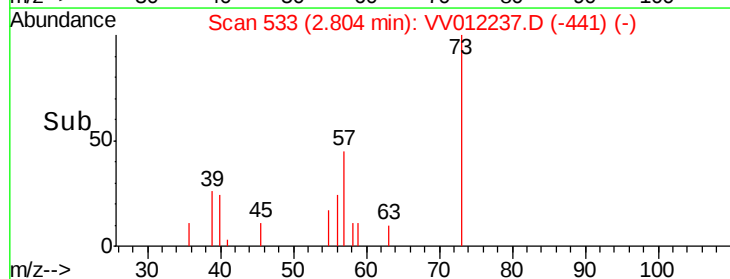
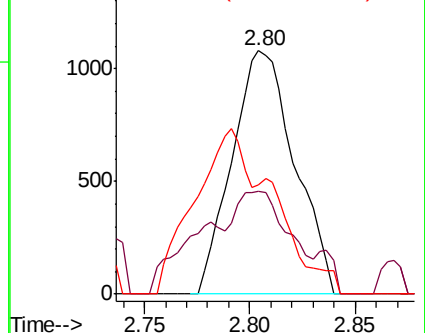
57 0.0 17.8 26.6#

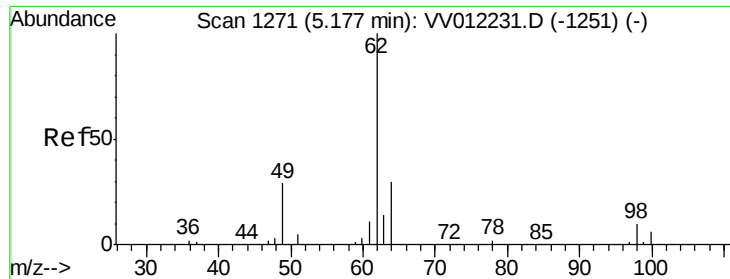


Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0

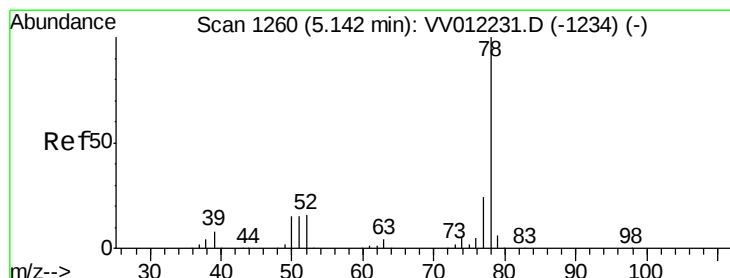
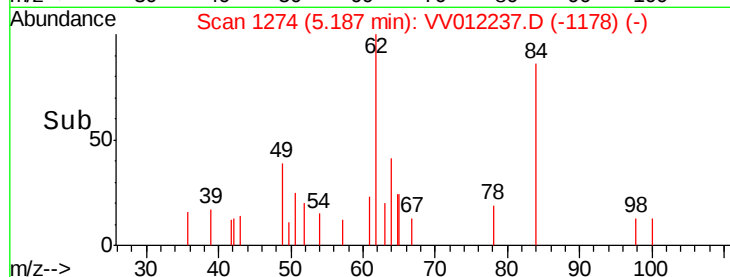
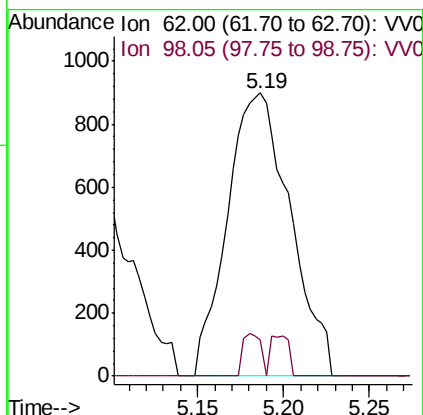
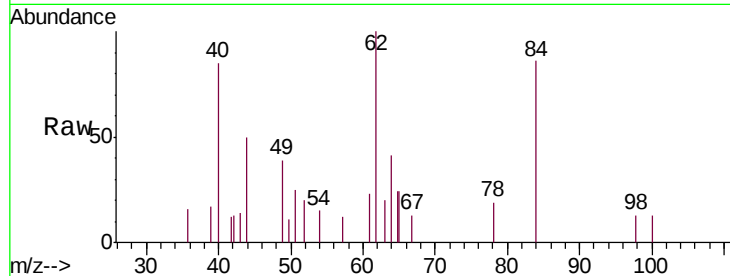




#27
 1,2-Dichloroethane
 Concen: 0.134 ug/L
 RT: 5.19 min Scan# 1274
 Delta R.T. 0.01 min
 Lab File: VV012237.D
 Acq: 14 Aug 2019 16:19

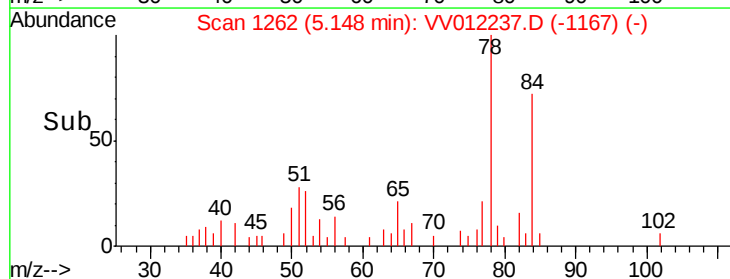
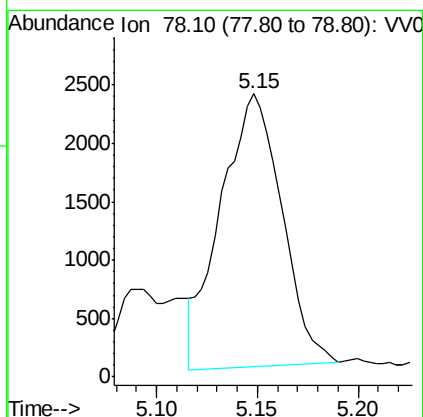
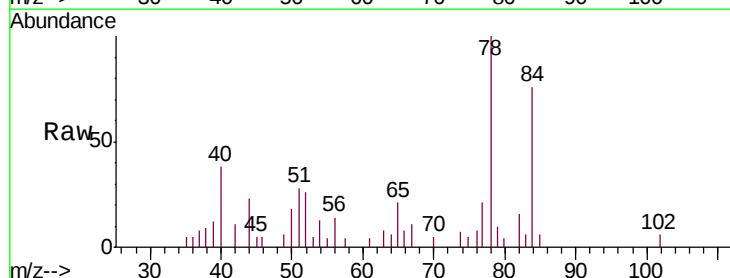
Instrument :
 MSVOA_V
 ClientSampleId :
 C0AA2

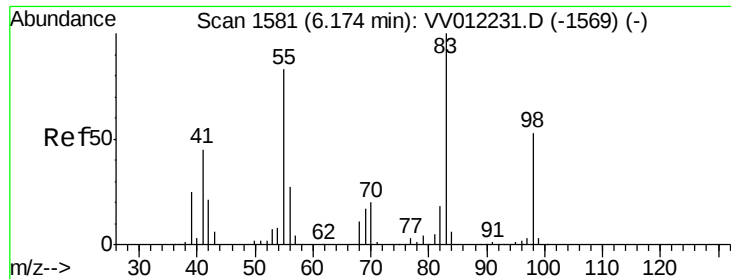
Tgt Ion: 62 Resp: 2298
 Ion Ratio Lower Upper
 62 100
 98 13.0 7.5 11.3#



#33
 Benzene
 Concen: 0.079 ug/L
 RT: 5.15 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VV012237.D
 Acq: 14 Aug 2019 16:19

Tgt Ion: 78 Resp: 4946

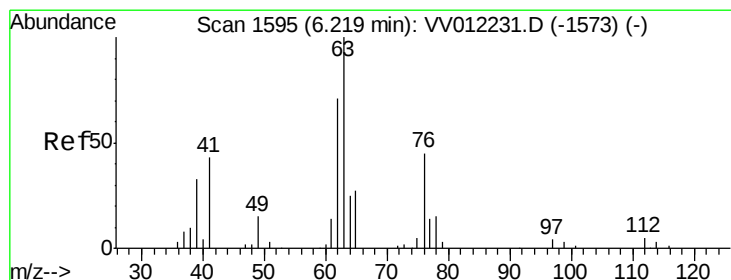
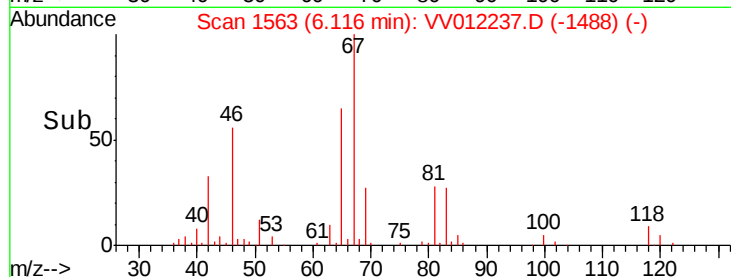
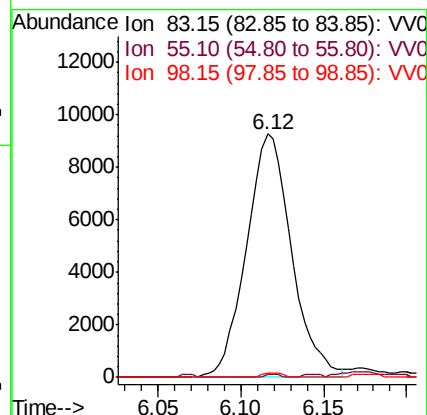
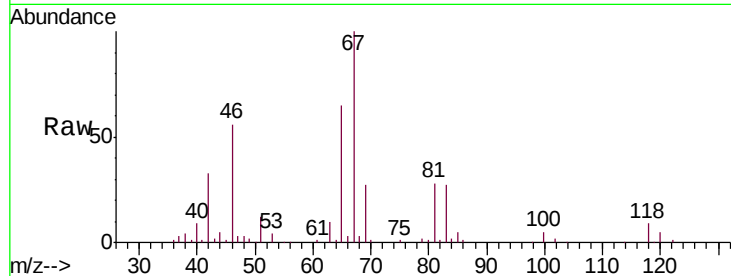




#35
Methylcyclohexane
Concen: 0.669 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV012237.D
Acq: 14 Aug 2019 16:19

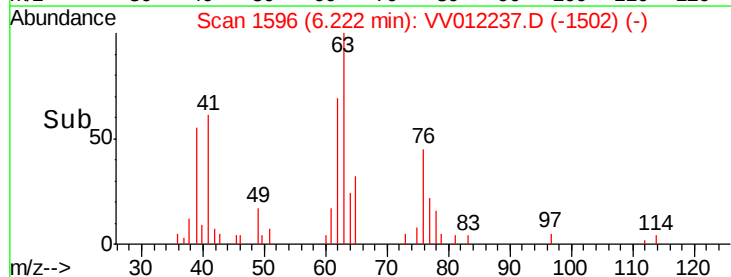
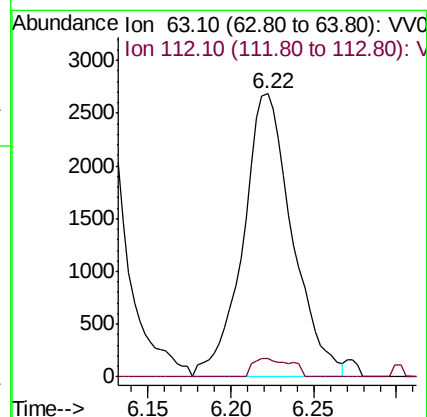
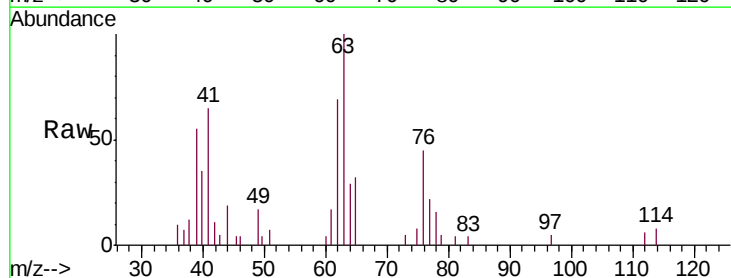
Instrument :
MSVOA_V
ClientSampleId :
C0AA2

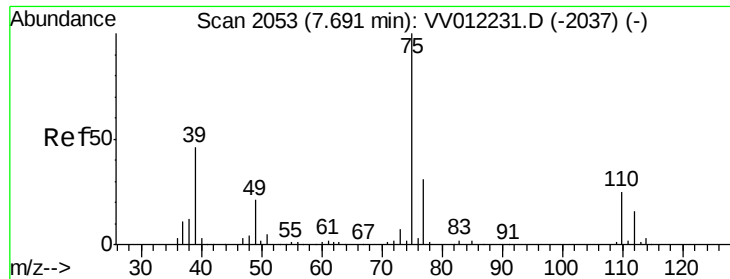
Tgt Ion: 83 Resp: 17637
Ion Ratio Lower Upper
83 100
55 0.4 62.2 93.2#
98 0.8 39.2 58.8#



#37
1,2-Dichloropropane
Concen: 0.356 ug/L
RT: 6.22 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VV012237.D
Acq: 14 Aug 2019 16:19

Tgt Ion: 63 Resp: 5562
Ion Ratio Lower Upper
63 100
112 5.0 3.8 5.8





#44

trans-1,3-Dichloropropene

Concen: 0.067 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV012237.D

Acq: 14 Aug 2019 16:19

Instrument :

MSVOA_V

ClientSampleId :

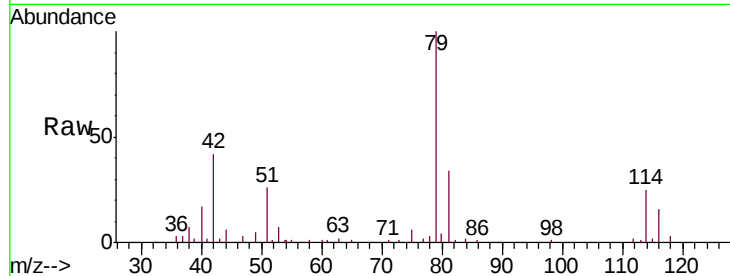
C0AA2

Tgt Ion: 75 Resp: 1138

Ion Ratio Lower Upper

75 100

77 34.3 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.67

600

400

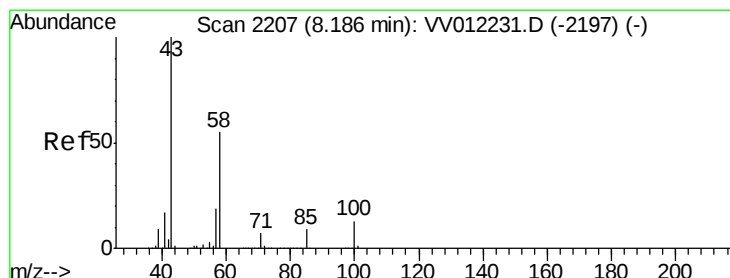
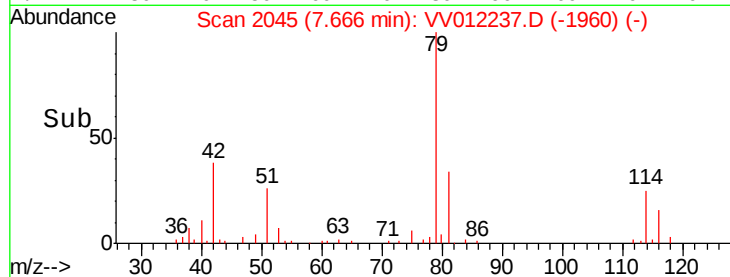
200

0

7.65

7.70

Time-->



#48

2-Hexanone

Concen: 2.457 ug/L

RT: 8.19 min Scan# 2207

Delta R.T. 0.00 min

Lab File: VV012237.D

Acq: 14 Aug 2019 16:19

Tgt Ion: 43 Resp: 14875

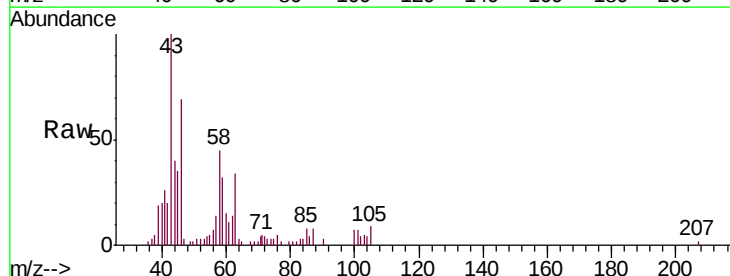
Ion Ratio Lower Upper

43 100

58 36.3 43.0 64.4#

57 17.3 14.9 22.3

100 6.3 10.3 15.5#



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

8000

6000

4000

2000

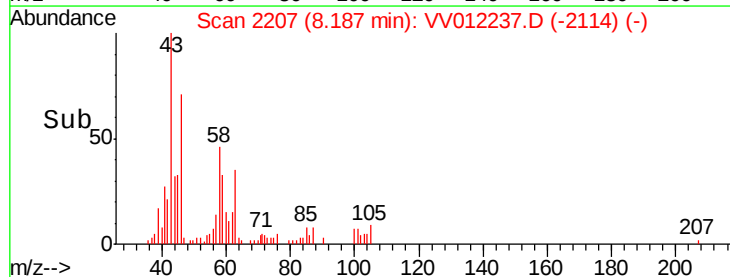
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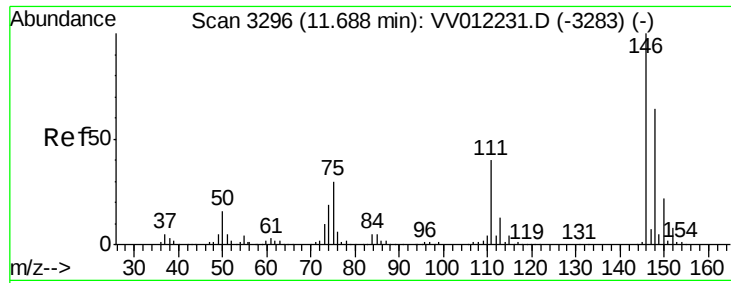
8.15

8.20

8.25

Time-->





#65

1,2-Dichlorobenzene

Concen: 0.092 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV012237.D

Acq: 14 Aug 2019 16:19

Instrument :

MSVOA_V

ClientSampleId :

C0AA2

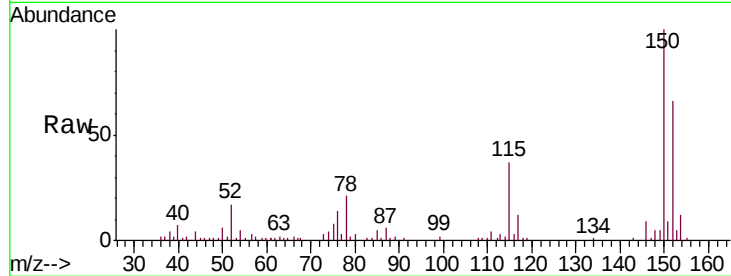
Tgt Ion:146 Resp: 2533

Ion Ratio Lower Upper

146 100

111 47.4 33.0 49.4

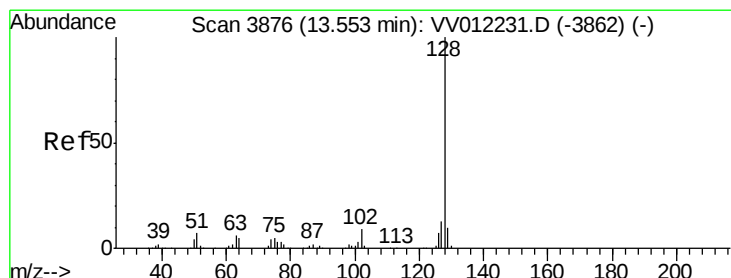
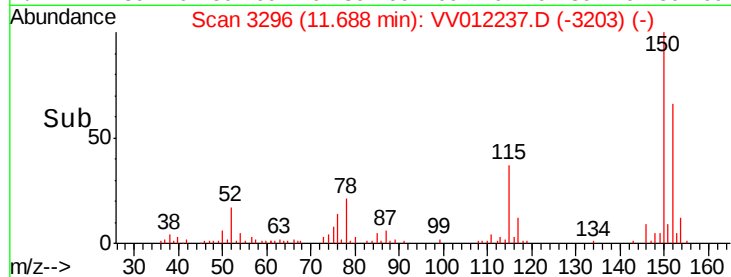
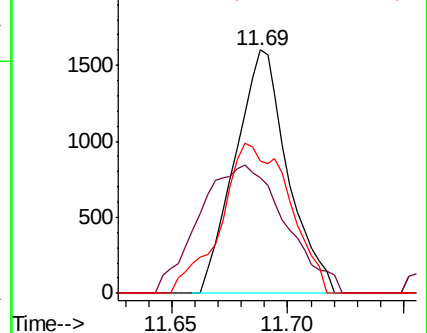
148 54.3 51.1 76.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#69

Naphthalene

Concen: 0.166 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV012237.D

Acq: 14 Aug 2019 16:19

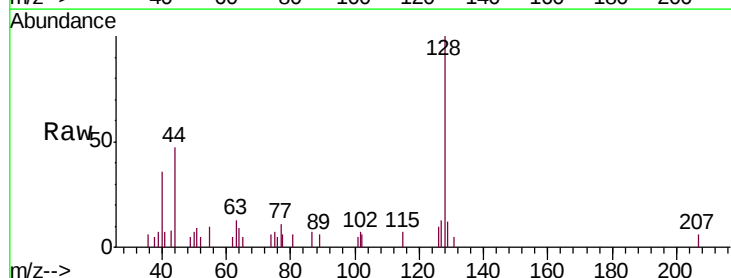
Tgt Ion:128 Resp: 4060

Ion Ratio Lower Upper

128 100

129 11.3 8.6 12.8

127 13.4 10.1 15.1



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

