

Data File : VV012240.D
Acq On : 14 Aug 2019 17:42
Operator : SY/MD
Sample : K4337-14
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AF6

Quant Time: Aug 15 23:33:06 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	199815	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	198428	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	86044	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	52627	4.27	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.40%
7) Chloroethane-d5	1.58	69	44376	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.40%
11) 1,1-Dichloroethene-d2	2.13	63	53521	2.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	53.20%#
20) 2-Butanone-d5	3.94	46	47034	17.69	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	35.38%#
24) Chloroform-d	4.40	84	108132	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
26) 1,2-Dichloroethane-d4	5.08	65	53634	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.00%
32) Benzene-d6	5.10	84	220238	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
36) 1,2-Dichloropropane-d6	6.12	67	65616	4.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.80%
41) Toluene-d8	7.36	98	180483	3.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.80%
43) trans-1,3-Dichloropropene-	7.66	79	20580	3.63	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.60%
46) 2-Hexanone-d5	8.13	63	63579	35.00	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	70.00%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	44993	4.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	73017	5.01	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.20%

Target Compounds

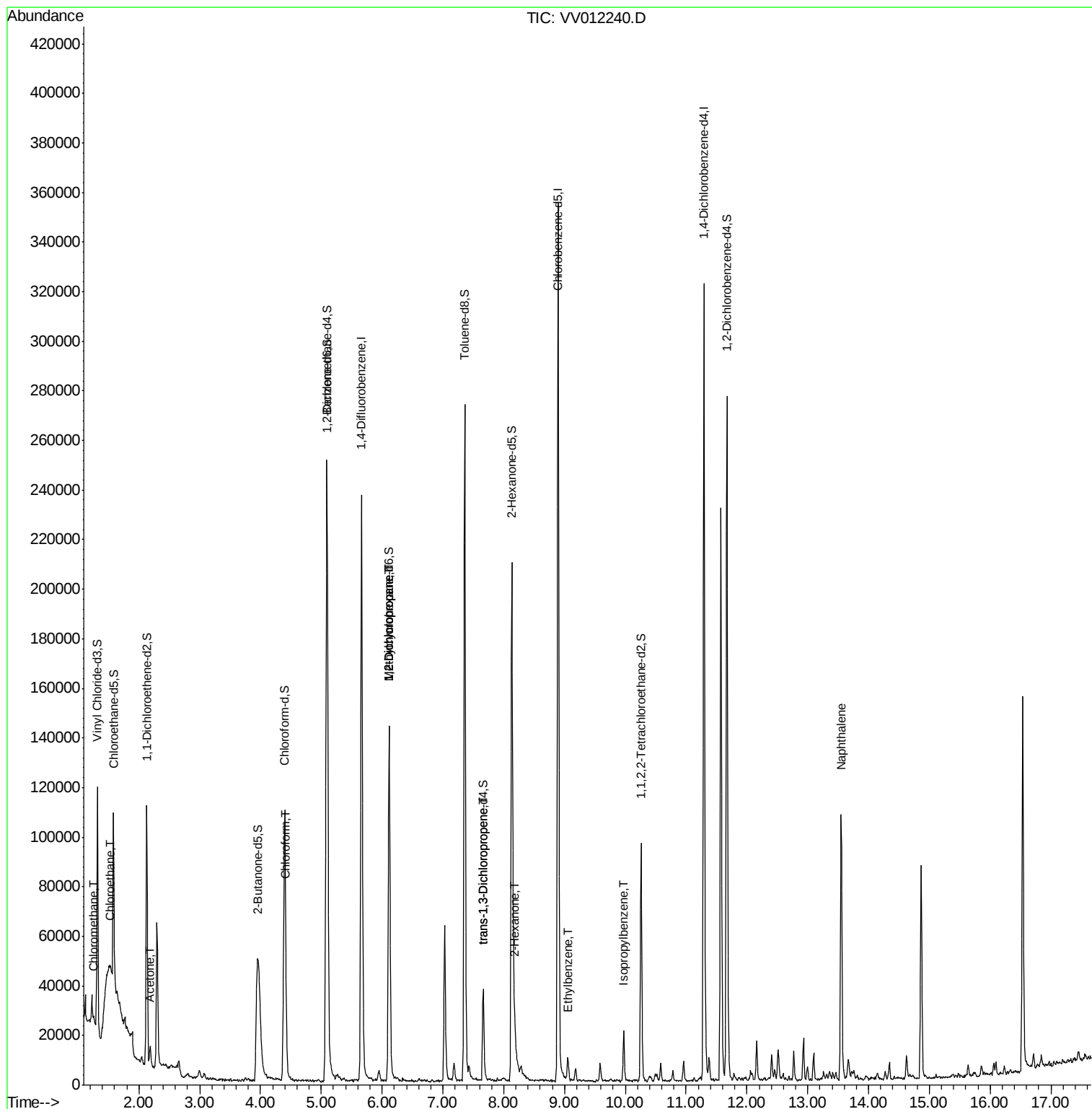
					Qvalue
3) Chloromethane	1.25	50	1872	0.108 ug/L	86
8) Chloroethane	1.52	64	22999	2.234 ug/L #	53
13) Acetone	2.19	43	5272	3.182 ug/L	93
25) Chloroform	4.42	83	4093	0.140 ug/L	93
35) Methylcyclohexane	6.12	83	15995	0.635 ug/L #	18
37) 1,2-Dichloropropane	6.12	63	7526	0.504 ug/L #	85
44) trans-1,3-Dichloropropene	7.66	75	1041	0.064 ug/L #	39
48) 2-Hexanone	8.18	43	6768	1.170 ug/L #	94
52) Ethylbenzene	9.05	91	5672	0.084 ug/L	92
56) Isopropylbenzene	9.97	105	11627	0.176 ug/L	96
69) Naphthalene	13.55	128	82858	3.566 ug/L	99

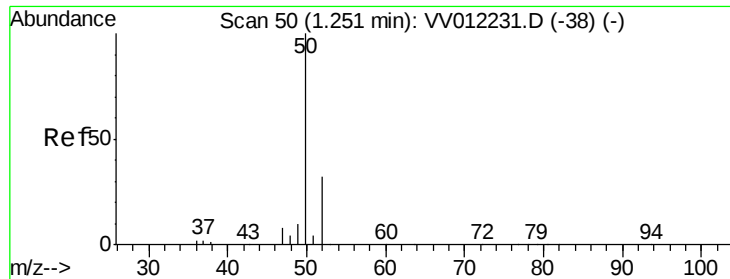
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.108 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

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MSVOA_V

ClientSampleId :

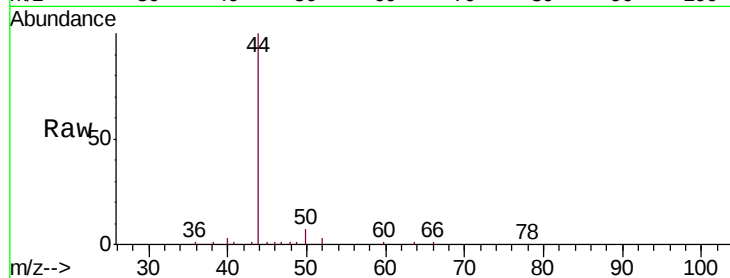
C0AF6

Tgt Ion: 50 Resp: 1872

Ion Ratio Lower Upper

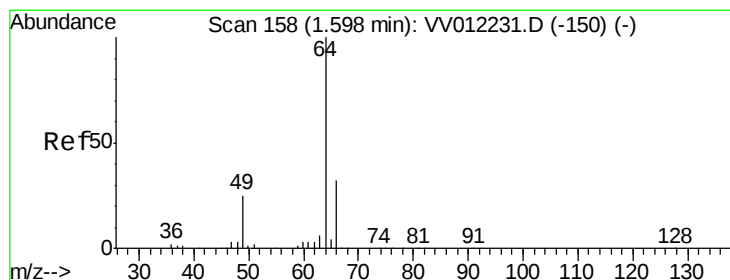
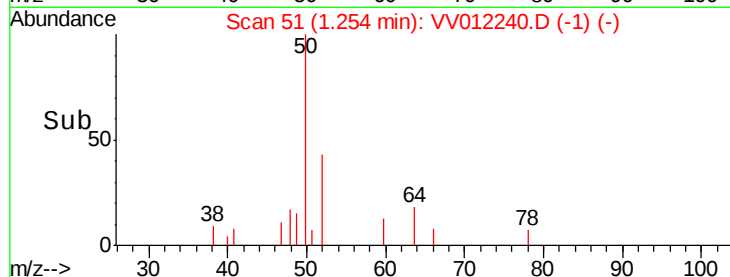
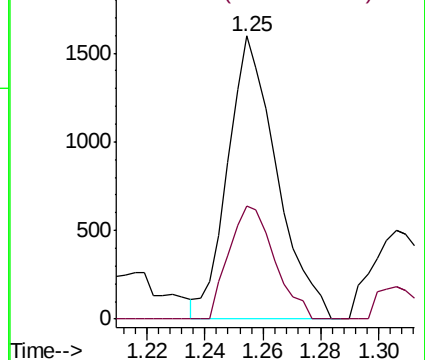
50 100

52 40.1 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: 2.234 ug/L

RT: 1.52 min Scan# 134

Delta R.T. -0.08 min

Lab File: VV012240.D

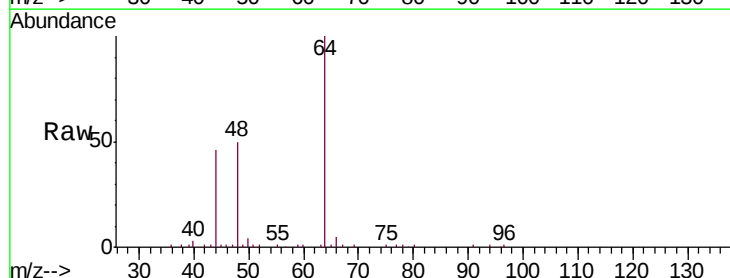
Acq: 14 Aug 2019 17:42

Tgt Ion: 64 Resp: 22999

Ion Ratio Lower Upper

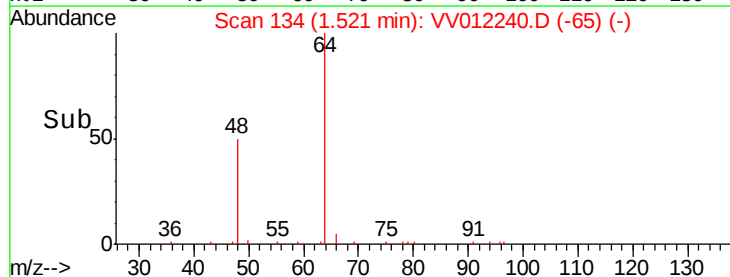
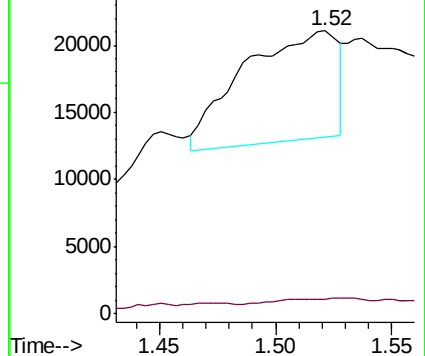
64 100

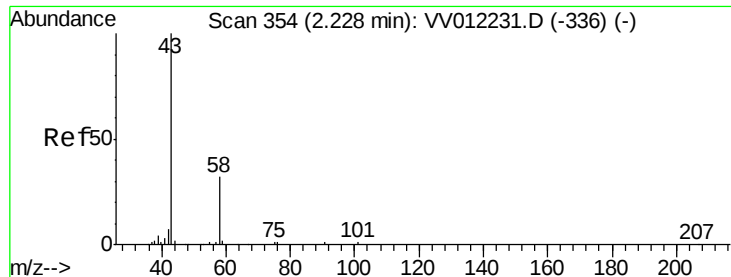
66 5.3 21.8 40.4#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0





#13

Acetone

Concen: 3.182 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.04 min

Lab File: VV012240.D

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Instrument :

MSVOA_V

ClientSampleId :

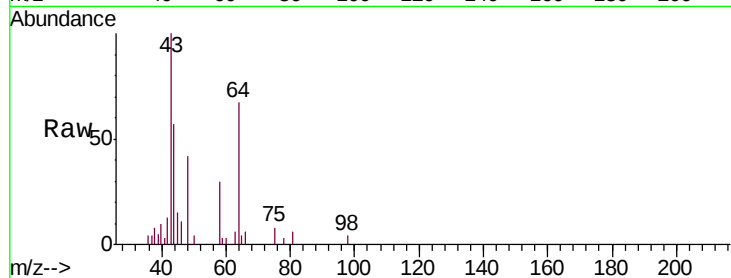
C0AF6

Tgt Ion: 43 Resp: 5272

Ion Ratio Lower Upper

43 100

58 33.6 0.0 59.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.19

4000

3000

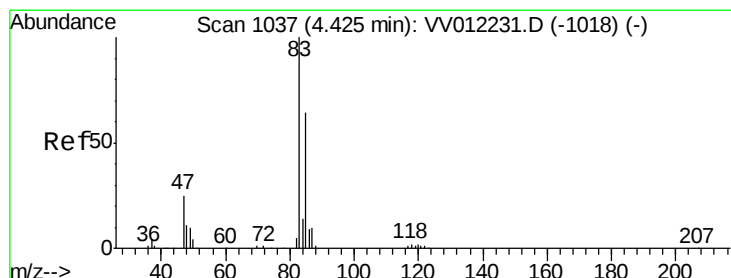
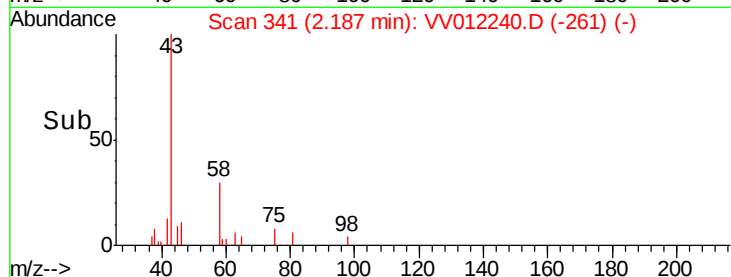
2000

1000

0

Time-->

2.15 2.20 2.25



#25

Chloroform

Concen: 0.140 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV012240.D

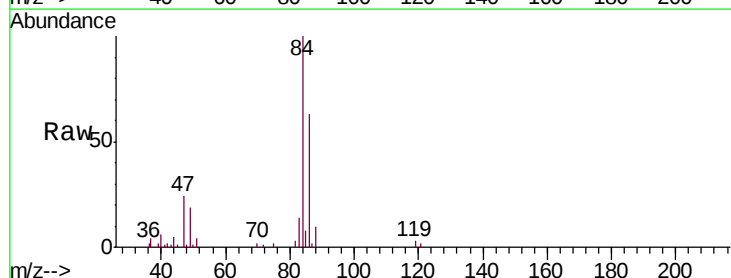
Acq: 14 Aug 2019 17:42

Tgt Ion: 83 Resp: 4093

Ion Ratio Lower Upper

83 100

85 58.2 44.3 82.3



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0

4.42

1500

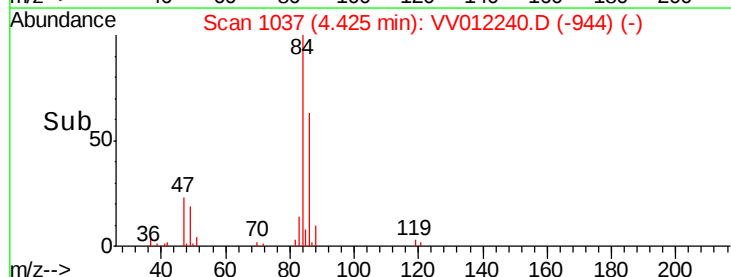
1000

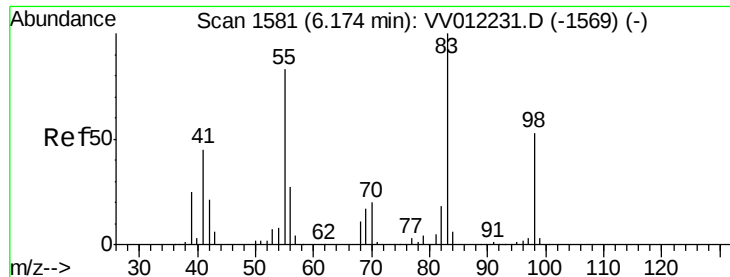
500

0

Time-->

4.35 4.40 4.45 4.50

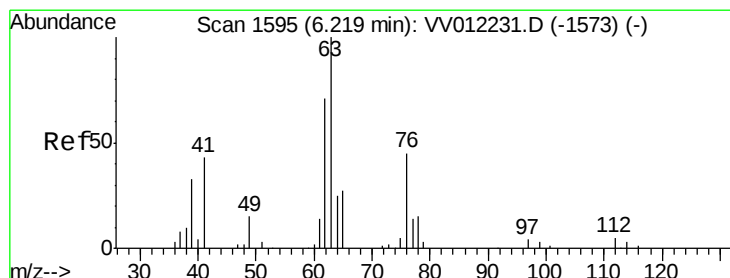
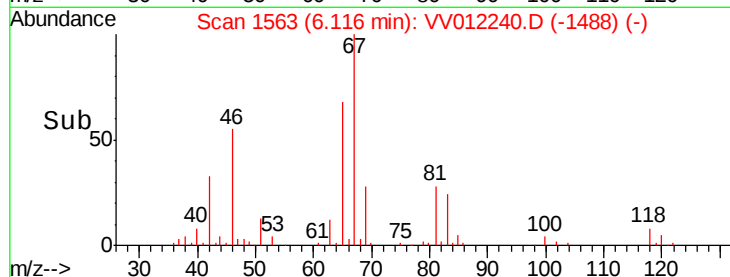
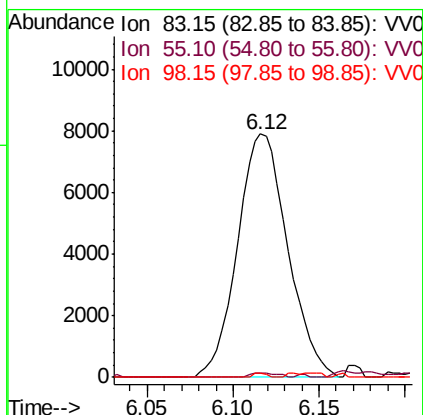
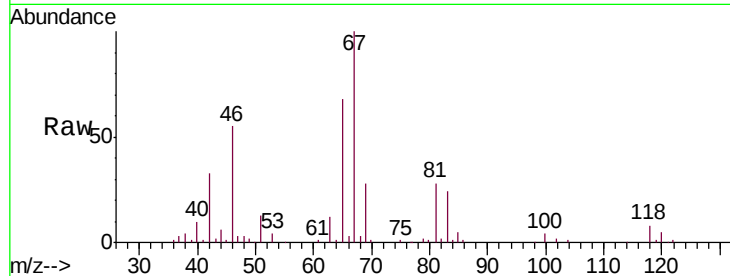




#35
Methylcyclohexane
Concen: 0.635 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV012240.D
Acq: 14 Aug 2019 17:42

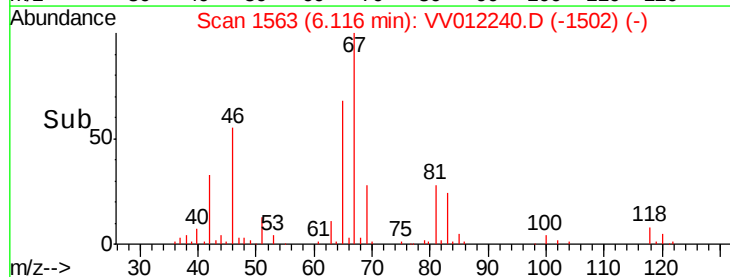
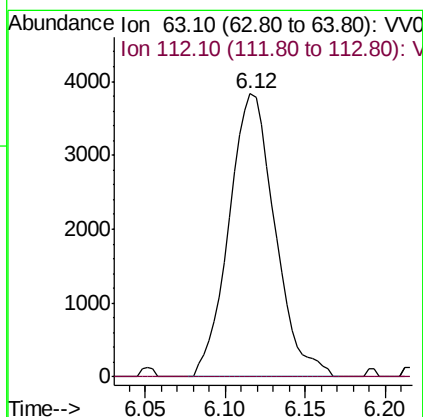
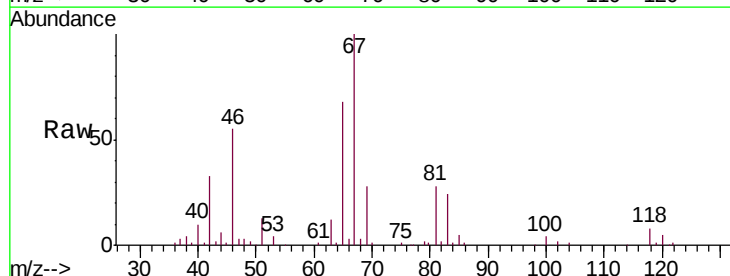
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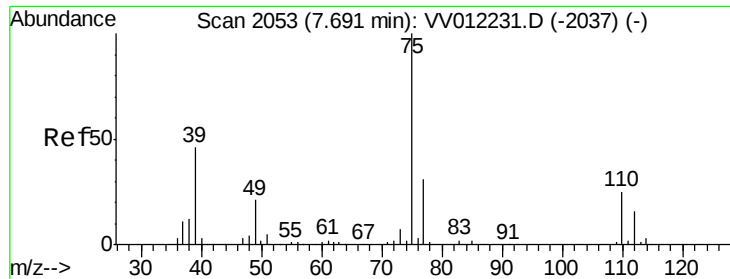
Tgt Ion: 83 Resp: 15995
Ion Ratio Lower Upper
83 100
55 1.0 62.2 93.2#
98 0.5 39.2 58.8#



#37
1,2-Dichloropropane
Concen: 0.504 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VV012240.D
Acq: 14 Aug 2019 17:42

Tgt Ion: 63 Resp: 7526
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.8#

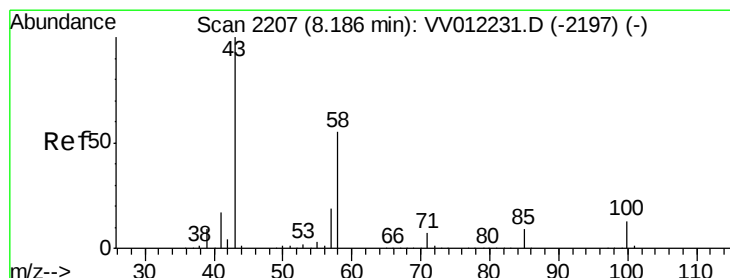
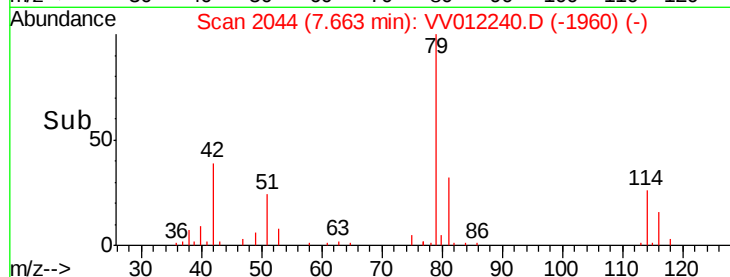
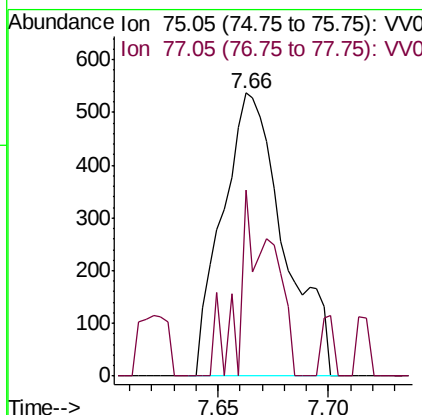
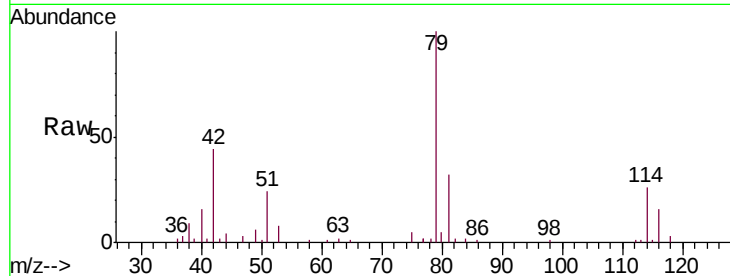




#44
 trans-1,3-Dichloropropene
 Concen: 0.064 ug/L
 RT: 7.66 min Scan# 2044
 Delta R.T. -0.03 min
 Lab File: VV012240.D
 Acq: 14 Aug 2019 17:42

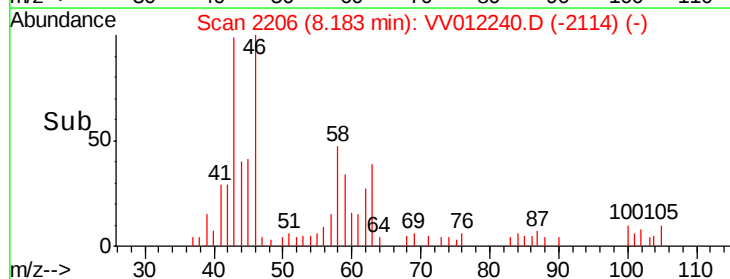
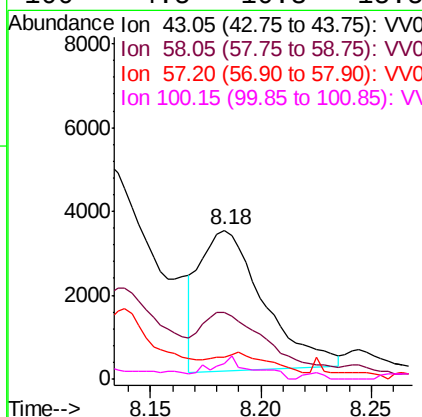
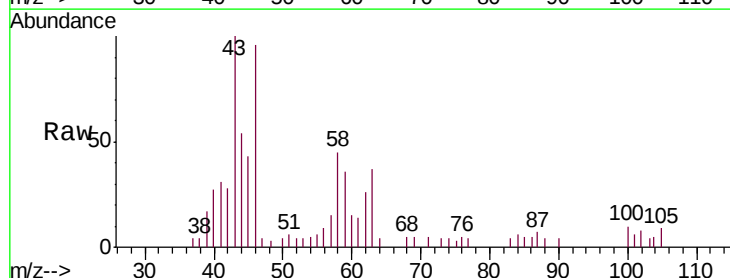
Instrument :
 MSVOA_V
 ClientSampleId :
 C0AF6

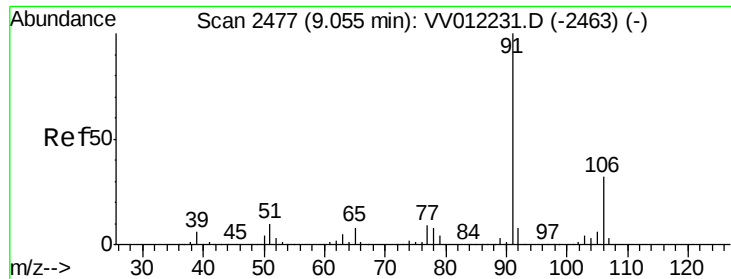
Tgt Ion: 75 Resp: 1041
 Ion Ratio Lower Upper
 75 100
 77 65.9 22.5 41.7#



#48
 2-Hexanone
 Concen: 1.170 ug/L
 RT: 8.18 min Scan# 2206
 Delta R.T. -0.00 min
 Lab File: VV012240.D
 Acq: 14 Aug 2019 17:42

Tgt Ion: 43 Resp: 6768
 Ion Ratio Lower Upper
 43 100
 58 53.6 43.0 64.4
 57 12.1 14.9 22.3#
 100 4.5 10.3 15.5#





#52

Ethylbenzene

Concen: 0.084 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV012240.D

Acq: 14 Aug 2019 17:42

Instrument :

MSVOA_V

ClientSampleId :

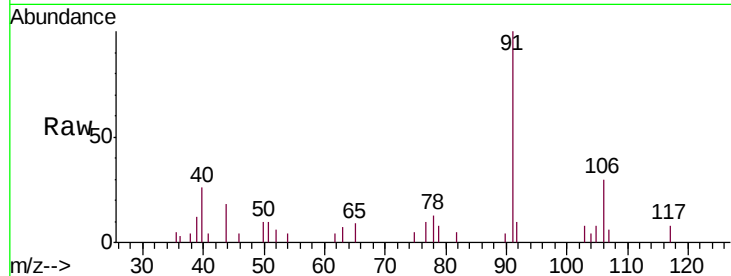
C0AF6

Tgt Ion: 91 Resp: 5672

Ion Ratio Lower Upper

91 100

106 27.2 22.3 41.3



Abundance Ion 91.15 (90.85 to 91.85): VV012231.D (-2463) (-)

Ion 106.15 (105.85 to 106.85): VV012231.D (-2463) (-)

9.05

4000

3000

2000

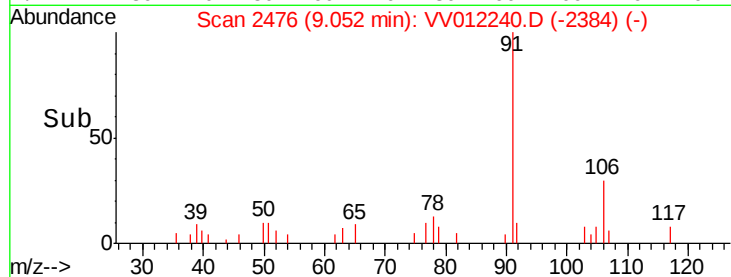
1000

0

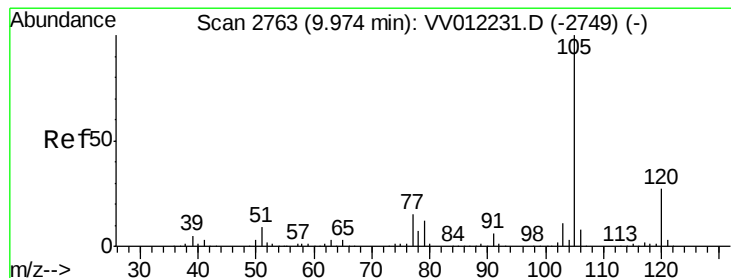
9.00

9.05

9.10



Time-->



#56

Isopropylbenzene

Concen: 0.176 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012240.D

Acq: 14 Aug 2019 17:42

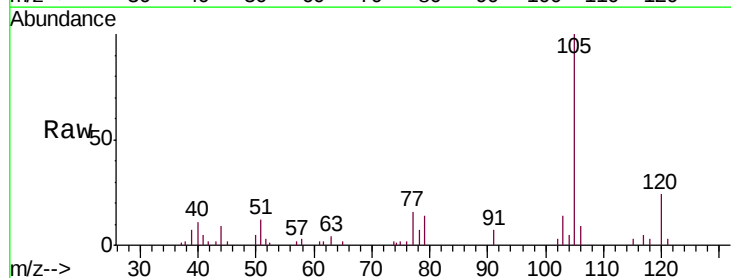
Tgt Ion: 105 Resp: 11627

Ion Ratio Lower Upper

105 100

120 26.0 22.0 33.0

77 17.7 12.5 18.7



Abundance Ion 105.05 (104.75 to 105.75): VV012231.D (-2749) (-)

Ion 120.10 (119.80 to 120.80): VV012231.D (-2749) (-)

Ion 77.10 (76.80 to 77.80): VV012231.D (-2749) (-)

9.97

10000

8000

6000

4000

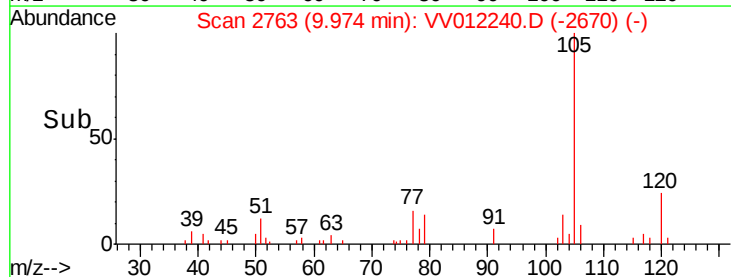
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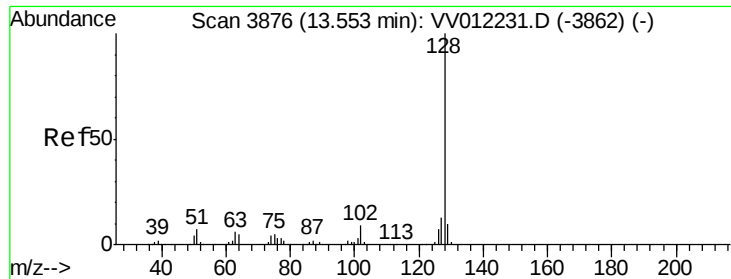
9.90

9.95

10.00



Time-->



#69

Naphthalene

Concen: 3.566 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV012240.D

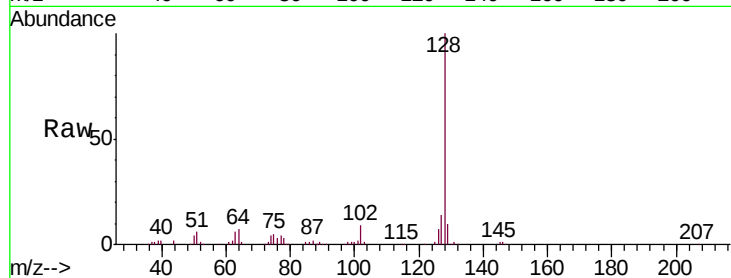
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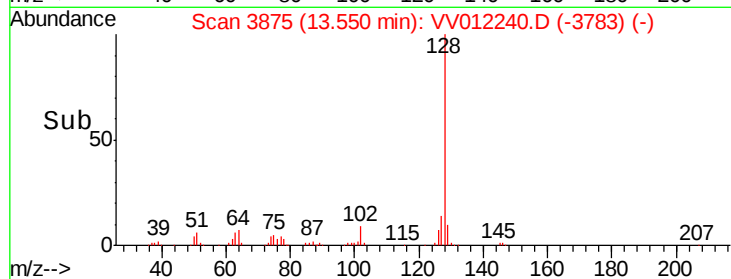
Tgt Ion:128 Resp: 82858

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

127 13.1 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

