

Data File : VV011911.D
Acq On : 17 Jul 2019 14:57
Operator : SY/MD
Sample : K3823-01
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A52N8

Quant Time: Jul 18 02:21:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 18 02:17:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	164431	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	161333	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	72653	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	57513	4.76	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.20%
7) Chloroethane-d5	1.58	69	48171	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.40%
11) 1,1-Dichloroethene-d2	2.13	63	66201	3.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.00%
20) 2-Butanone-d5	3.94	46	141649	46.44	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.88%
24) Chloroform-d	4.40	84	109787	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
26) 1,2-Dichloroethane-d4	5.08	65	60715	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
32) Benzene-d6	5.10	84	226773	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
36) 1,2-Dichloropropane-d6	6.12	67	68514	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.20%
41) Toluene-d8	7.36	98	195102	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
43) trans-1,3-Dichloropropene-	7.67	79	22554	4.24	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.80%
46) 2-Hexanone-d5	8.13	63	92123	43.00	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.00%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	38526	4.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	71991	4.96	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.20%

Target Compounds

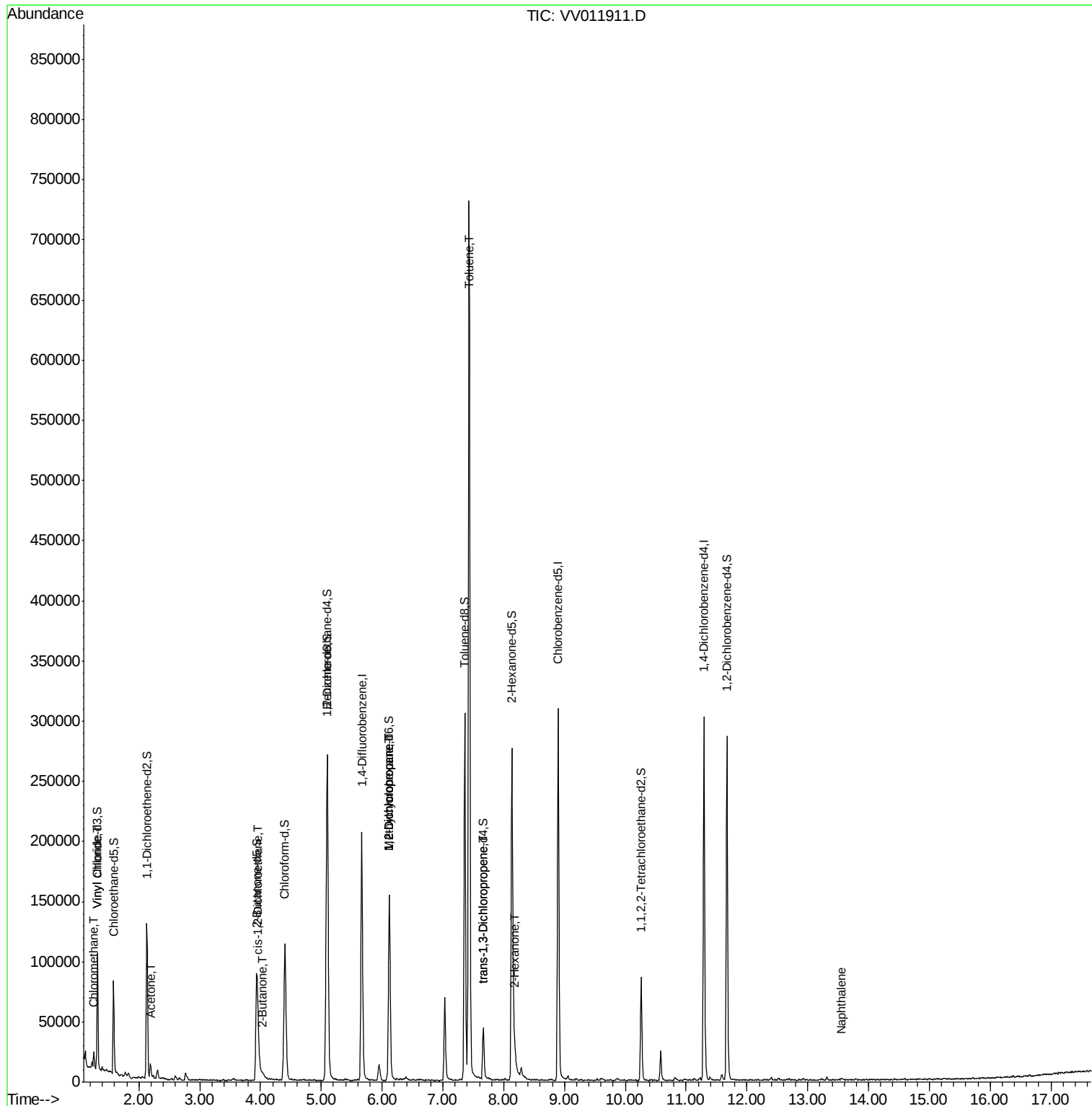
					Qvalue
3) Chloromethane	1.26	50	9081	0.556	ug/L 100
5) Vinyl chloride	1.32	62	1449	0.092	ug/L # 10
13) Acetone	2.19	43	10345	6.683	ug/L 100
21) 2-Butanone	4.04	43	5718	1.884	ug/L 99
22) cis-1,2-Dichloroethene	3.96	96	6295	0.496	ug/L 98
35) Methylcyclohexane	6.12	83	17159	0.806	ug/L # 16
37) 1,2-Dichloropropane	6.12	63	8542	0.693	ug/L # 88
42) Toluene	7.43	91	506290	9.557	ug/L 99
44) trans-1,3-Dichloropropene	7.67	75	1198	0.089	ug/L 83
48) 2-Hexanone	8.18	43	11152	2.104	ug/L # 76
69) Naphthalene	13.56	128	1505	0.068	ug/L # 90

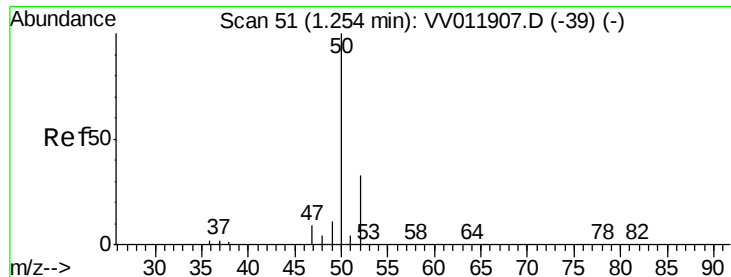
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.556 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

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Acq: 17 Jul 2019 14:57

Instrument :

MSVOA_V

ClientSampleId :

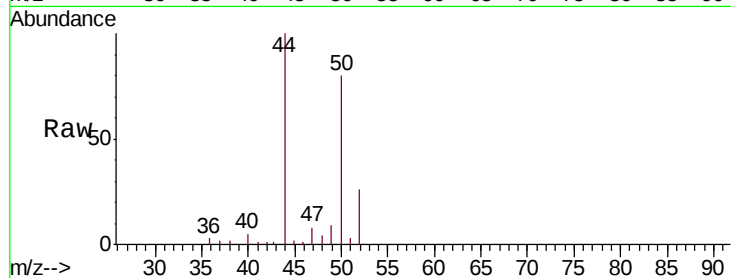
A52N8

Tgt Ion: 50 Resp: 9081

Ion Ratio Lower Upper

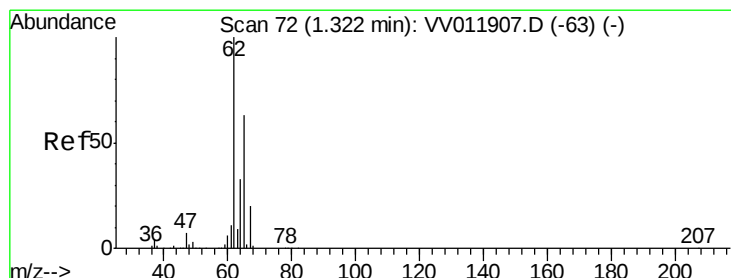
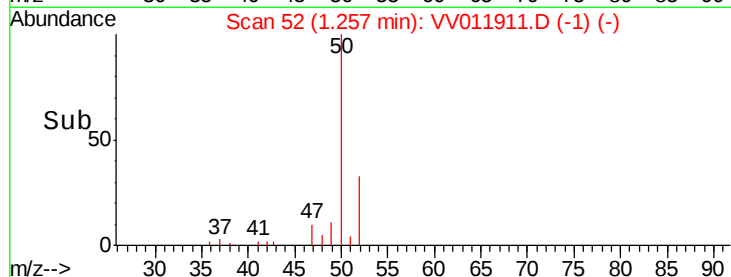
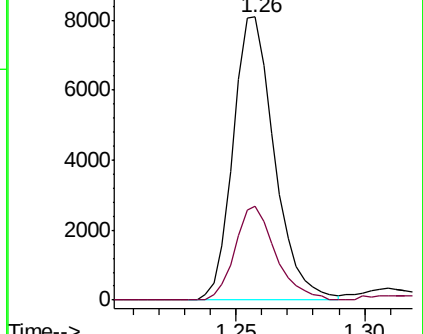
50 100

52 33.1 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#5

Vinyl chloride

Concen: 0.092 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

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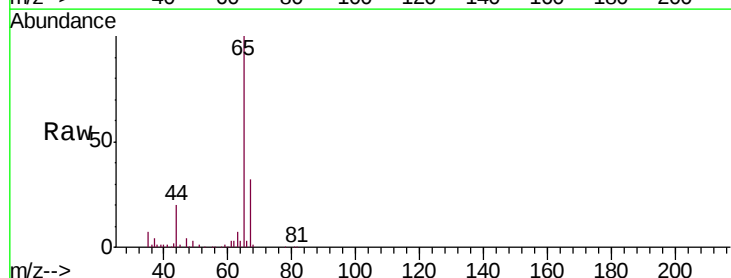
Acq: 17 Jul 2019 14:57

Tgt Ion: 62 Resp: 1449

Ion Ratio Lower Upper

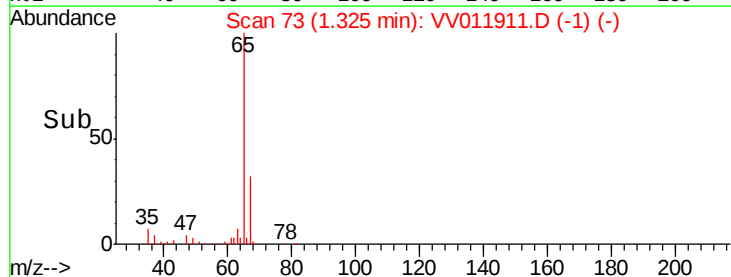
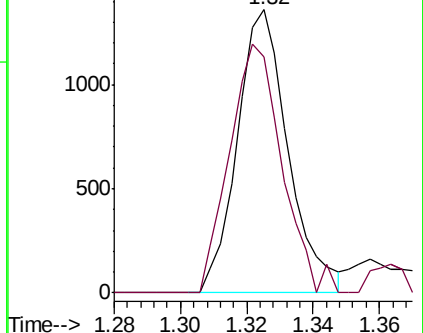
62 100

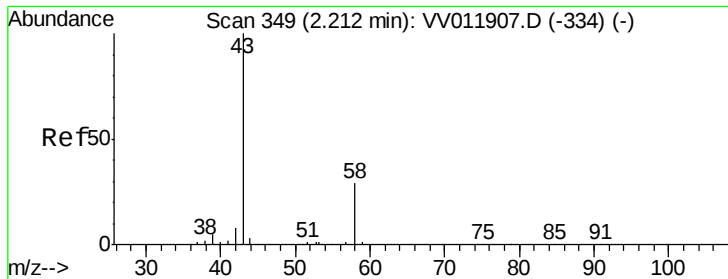
64 83.4 22.9 42.5#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0





#13

Acetone

Concen: 6.683 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.02 min

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Acq: 17 Jul 2019 14:57

Instrument :

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ClientSampleId :

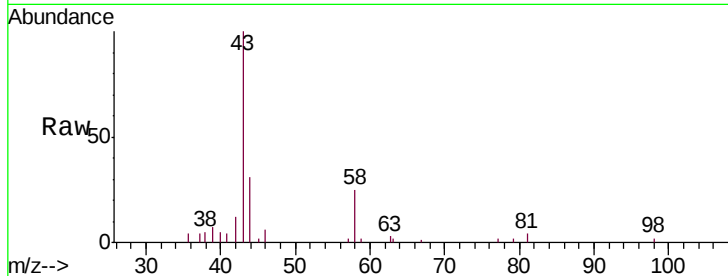
A52N8

Tgt Ion: 43 Resp: 10345

Ion Ratio Lower Upper

43 100

58 27.9 0.0 55.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.19

8000

6000

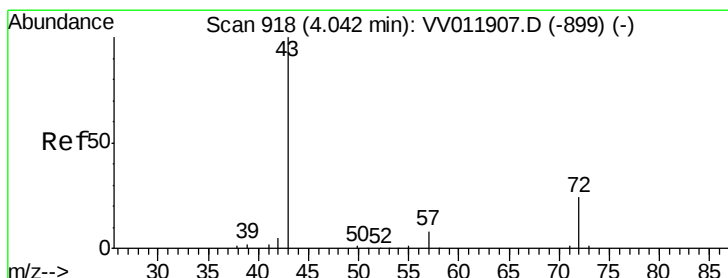
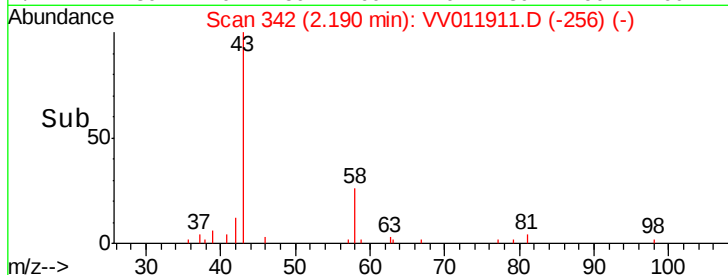
4000

2000

0

Time-->

2.15 2.20 2.25



#21

2-Butanone

Concen: 1.884 ug/L

RT: 4.04 min Scan# 918

Delta R.T. -0.00 min

Lab File: VV011911.D

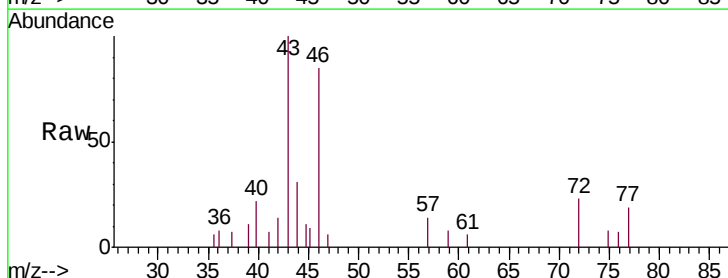
Acq: 17 Jul 2019 14:57

Tgt Ion: 43 Resp: 5718

Ion Ratio Lower Upper

43 100

72 21.8 11.2 33.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0

4.04

2000

1500

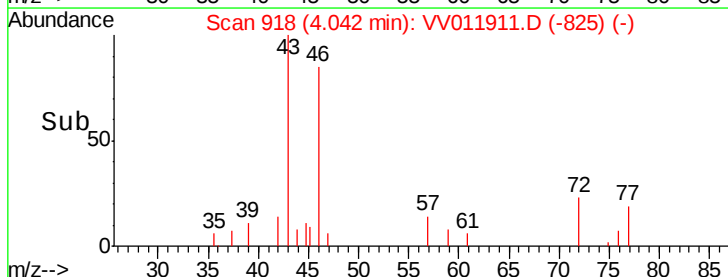
1000

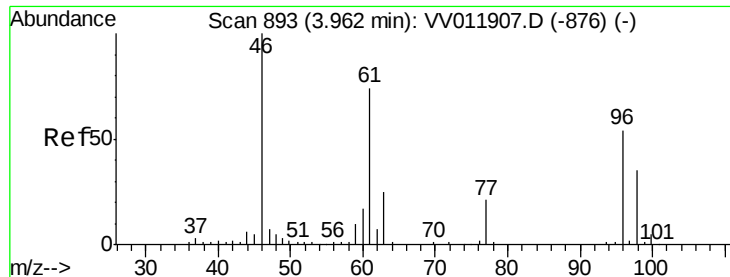
500

0

Time-->

3.95 4.00 4.05 4.10 4.15





#22

cis-1,2-Dichloroethene

Concen: 0.496 ug/L

RT: 3.96 min Scan# 894

Delta R.T. 0.00 min

Lab File: VV011911.D

Acq: 17 Jul 2019 14:57

Instrument :

MSVOA_V

ClientSampleId :

A52N8

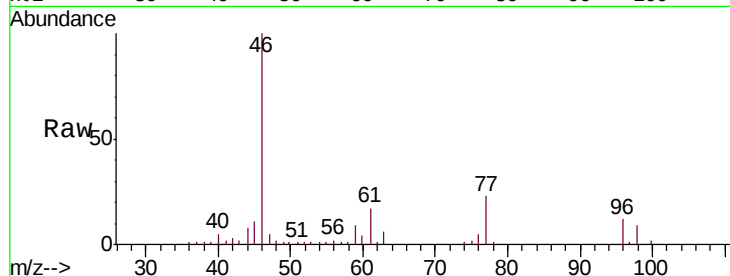
Tgt Ion: 96 Resp: 6295

Ion Ratio Lower Upper

96 100

61 133.3 95.2 176.8

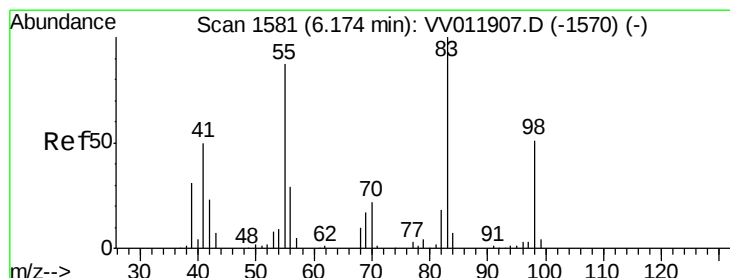
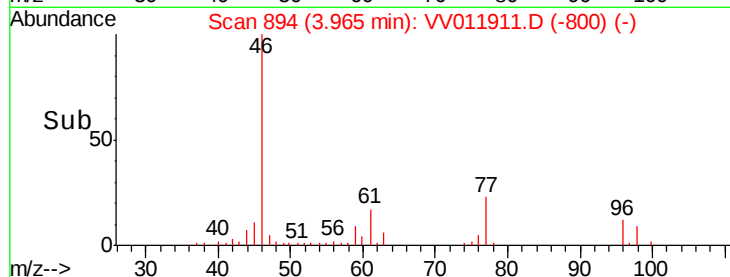
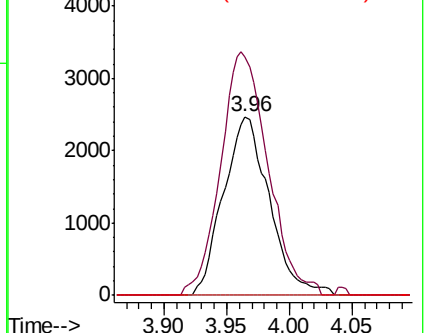
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV011907.D (-876) (-)

Ion 61.05 (60.75 to 61.75): VV011907.D (-876) (-)

Ion 68.15 (67.85 to 68.85): VV011907.D (-876) (-)



#35

Methylcyclohexane

Concen: 0.806 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.05 min

Lab File: VV011911.D

Acq: 17 Jul 2019 14:57

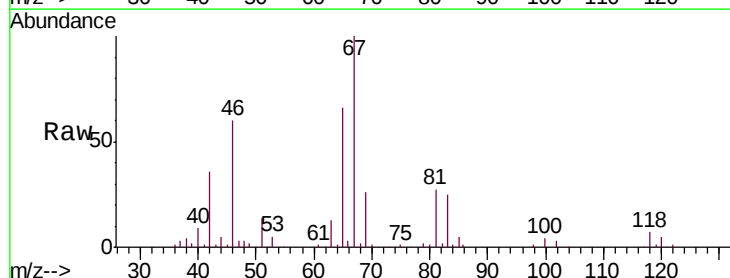
Tgt Ion: 83 Resp: 17159

Ion Ratio Lower Upper

83 100

55 0.3 66.7 100.1#

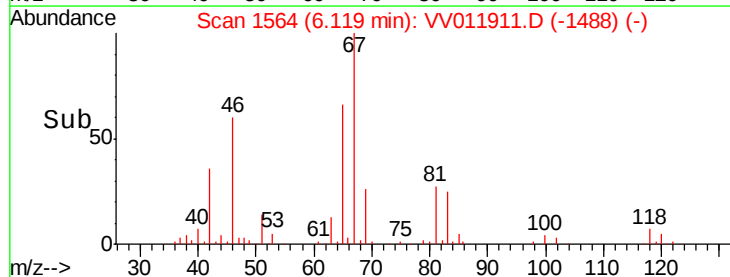
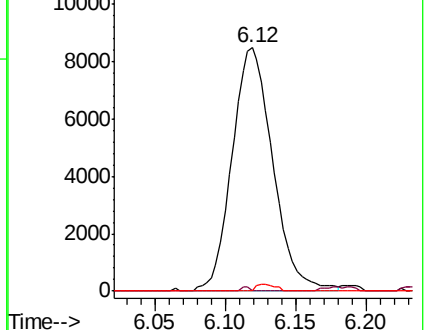
98 1.3 39.0 58.4#

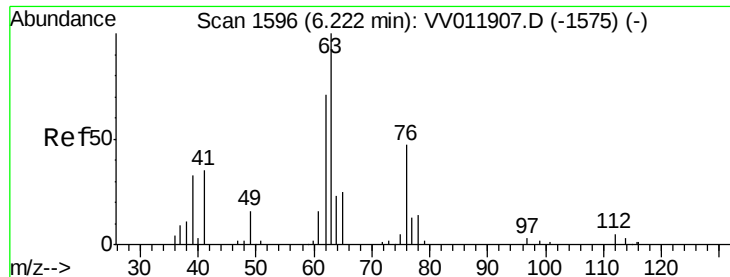


Abundance Ion 83.15 (82.85 to 83.85): VV011907.D (-1570) (-)

Ion 55.10 (54.80 to 55.80): VV011907.D (-1570) (-)

Ion 98.15 (97.85 to 98.85): VV011907.D (-1570) (-)

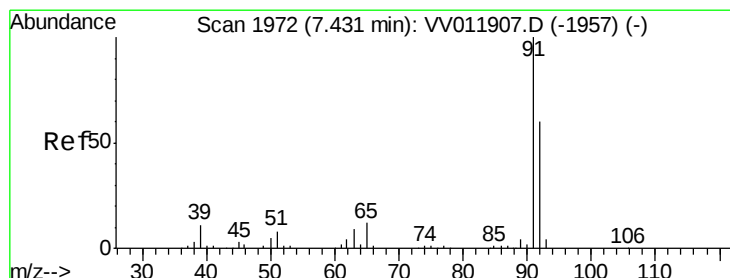
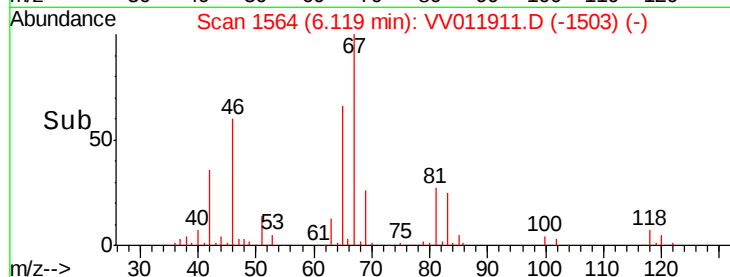
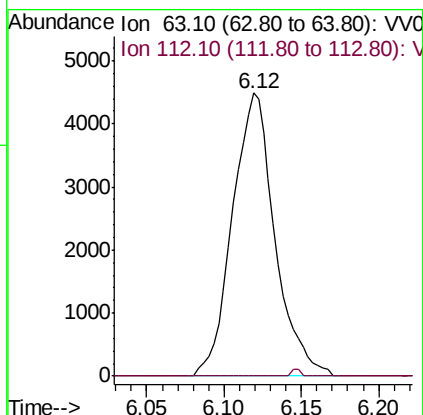
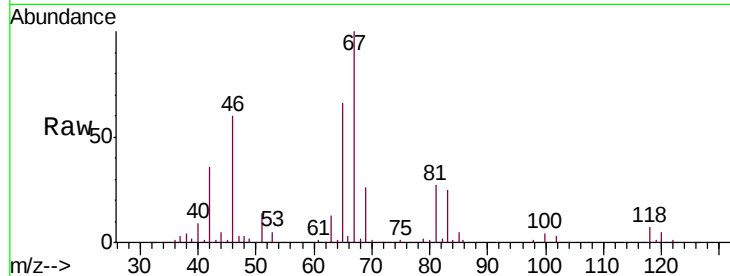




#37
 1,2-Dichloropropane
 Concen: 0.693 ug/L
 RT: 6.12 min Scan# 1564
 Delta R.T. -0.10 min
 Lab File: VV011911.D
 Acq: 17 Jul 2019 14:57

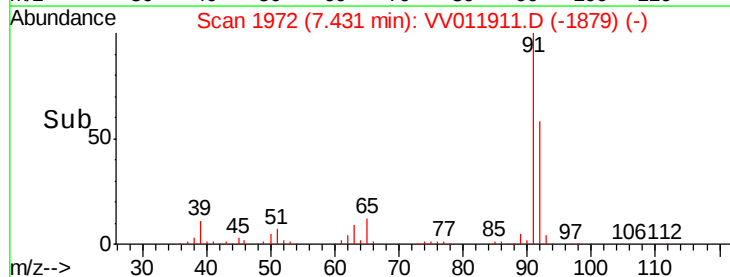
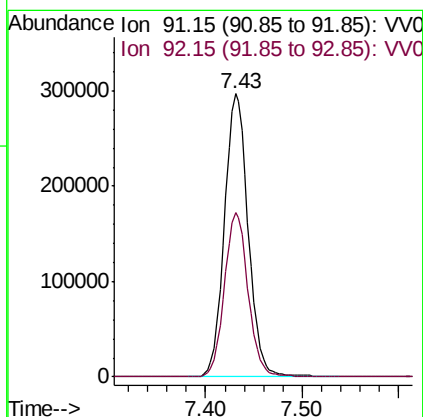
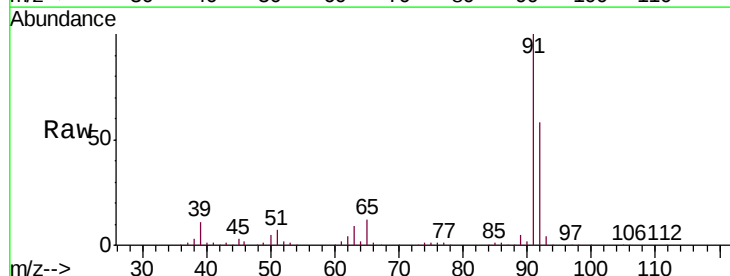
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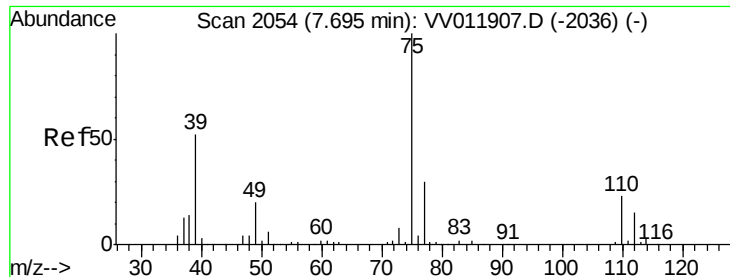
Tgt Ion: 63 Resp: 8542
 Ion Ratio Lower Upper
 63 100
 112 0.5 3.4 5.2#



#42
 Toluene
 Concen: 9.557 ug/L
 RT: 7.43 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VV011911.D
 Acq: 17 Jul 2019 14:57

Tgt Ion: 91 Resp: 506290
 Ion Ratio Lower Upper
 91 100
 92 58.1 41.1 76.3





#44

trans-1,3-Dichloropropene

Concen: 0.089 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV011911.D

Acq: 17 Jul 2019 14:57

Instrument :

MSVOA_V

ClientSampleId :

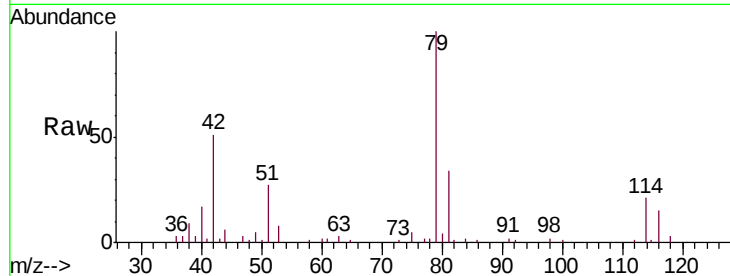
A52N8

Tgt Ion: 75 Resp: 1198

Ion Ratio Lower Upper

75 100

77 41.0 22.3 41.3

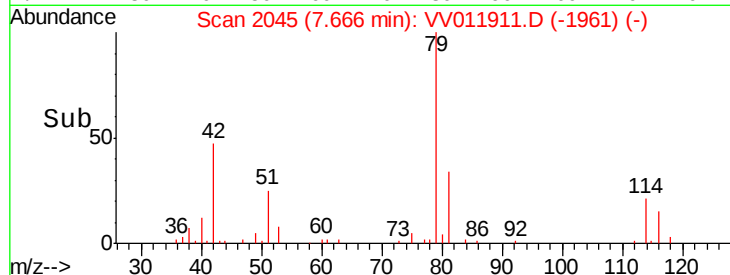


Abundance Ion 75.05 (74.75 to 75.75): VV011907.D (-2036) (-)

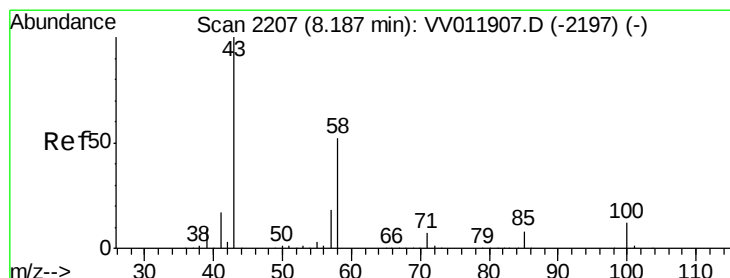
Ion 77.05 (76.75 to 77.75): VV011907.D (-2036) (-)

7.67

7.65 7.70



Time-->



#48

2-Hexanone

Concen: 2.104 ug/L

RT: 8.18 min Scan# 2206

Delta R.T. -0.00 min

Lab File: VV011911.D

Acq: 17 Jul 2019 14:57

Tgt Ion: 43 Resp: 11152

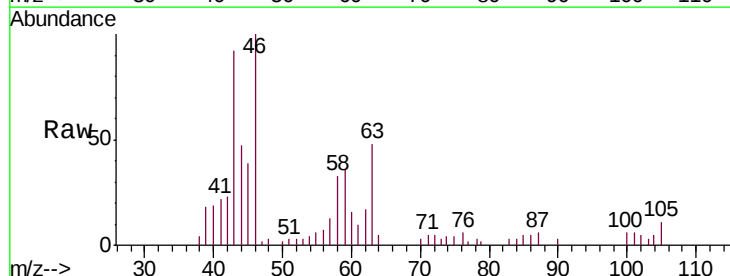
Ion Ratio Lower Upper

43 100

58 29.4 41.1 61.7#

57 14.2 14.3 21.5#

100 6.2 8.7 13.1#



Abundance Ion 43.05 (42.75 to 43.75): VV011907.D (-2197) (-)

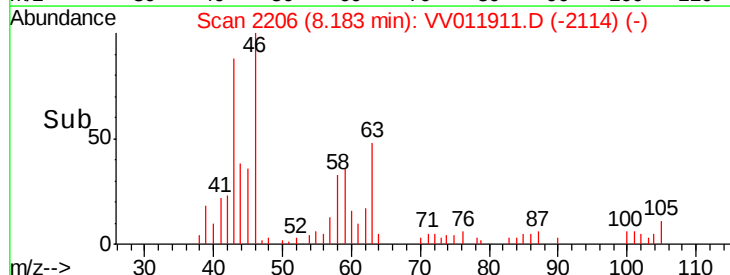
Ion 58.05 (57.75 to 58.75): VV011907.D (-2197) (-)

Ion 57.20 (56.90 to 57.90): VV011907.D (-2197) (-)

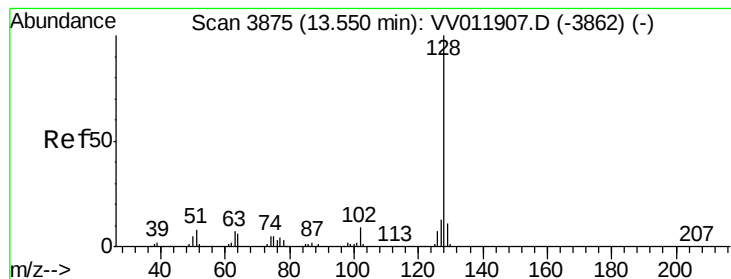
Ion 100.15 (99.85 to 100.85): VV011907.D (-2197) (-)

8.18

8.15 8.20 8.25 8.30



Time-->



#69

Naphthalene

Concen: 0.068 ug/L

RT: 13.56 min Scan# 3878

Delta R.T. 0.01 min

Lab File: VV011911.D

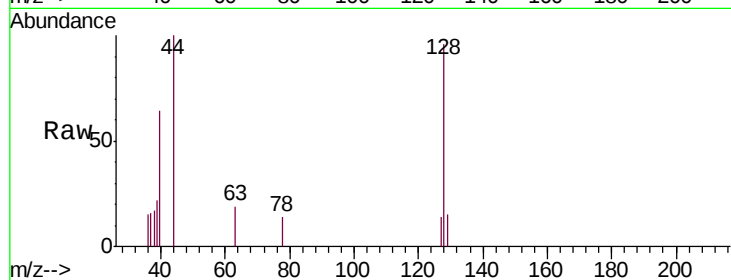
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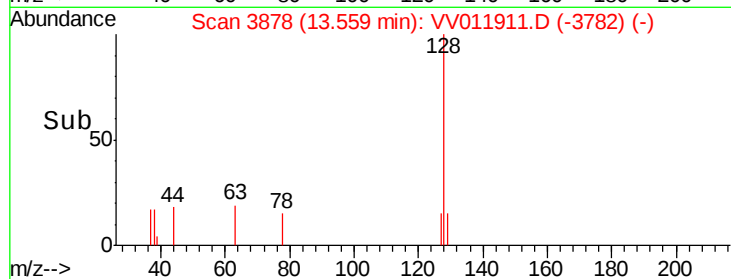
Tgt Ion:128 Resp: 1505

Ion Ratio Lower Upper

128 100

129 7.5 8.6 13.0#

127 8.8 10.7 16.1#



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

