

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081220\
 Data File : VV017957.D
 Acq On : 13 Aug 2020 04:03
 Operator : SY/MD
 Sample : L3644-16
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F2L98

Manual Integrations
 APPROVED

MMDadoda
 8/13/2020 1:39:00 PM

Quant Time: Aug 13 07:12:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 13 05:58:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	249587	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	239477	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	112432	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	76959	40.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.82%
7) Chloroethane-d5	1.58	69	69797	44.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.60%
11) 1,1-Dichloroethene-d2	2.12	63	113060	31.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.08%
21) 2-Butanone-d5	3.91	46	150585	120.73	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	120.73%
24) Chloroform-d	4.38	84	157276	45.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.74%
26) 1,2-Dichloroethane-d4	5.06	65	110225	48.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.90%
32) Benzene-d6	5.07	84	309941	46.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.92%
36) 1,2-Dichloropropane-d6	6.09	67	106407	49.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.64%
41) Toluene-d8	7.34	98	277422	46.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.48%
43) trans-1,3-Dichloropropene-	7.64	79	15035	15.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	30.72%#
47) 2-Hexanone-d5	8.11	63	95891	138.49	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	138.49%#
57) 1,1,2,2-Tetrachloroethane-	10.24	84	146002	51.96	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.92%
64) 1,2-Dichlorobenzene-d4	11.65	152	104078	47.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.08%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	11907m	5.369	ug/L	
13) Acetone	2.19	43	2394139	1858.419	ug/L	93
14) Carbon disulfide	2.31	76	18055	3.918	ug/L	100
15) Methyl Acetate	2.45	43	335890	161.564	ug/L	# 90
17) trans-1,2-Dichloroethene	2.78	96	1202	0.698	ug/L	90
20) cis-1,2-Dichloroethene	3.94	96	17507	9.257	ug/L	96
22) 2-Butanone	3.99	43	160196	110.845	ug/L	98
33) Benzene	5.13	78	21457	2.896	ug/L	100
34) Trichloroethene	5.94	95	7602	3.882	ug/L	97
40) 4-Methyl-2-pentanone	7.25	43	177809	67.318	ug/L	99
42) Toluene	7.41	91	15254	1.973	ug/L	100
46) Tetrachloroethene	8.00	164	3452	2.403	ug/L	96

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

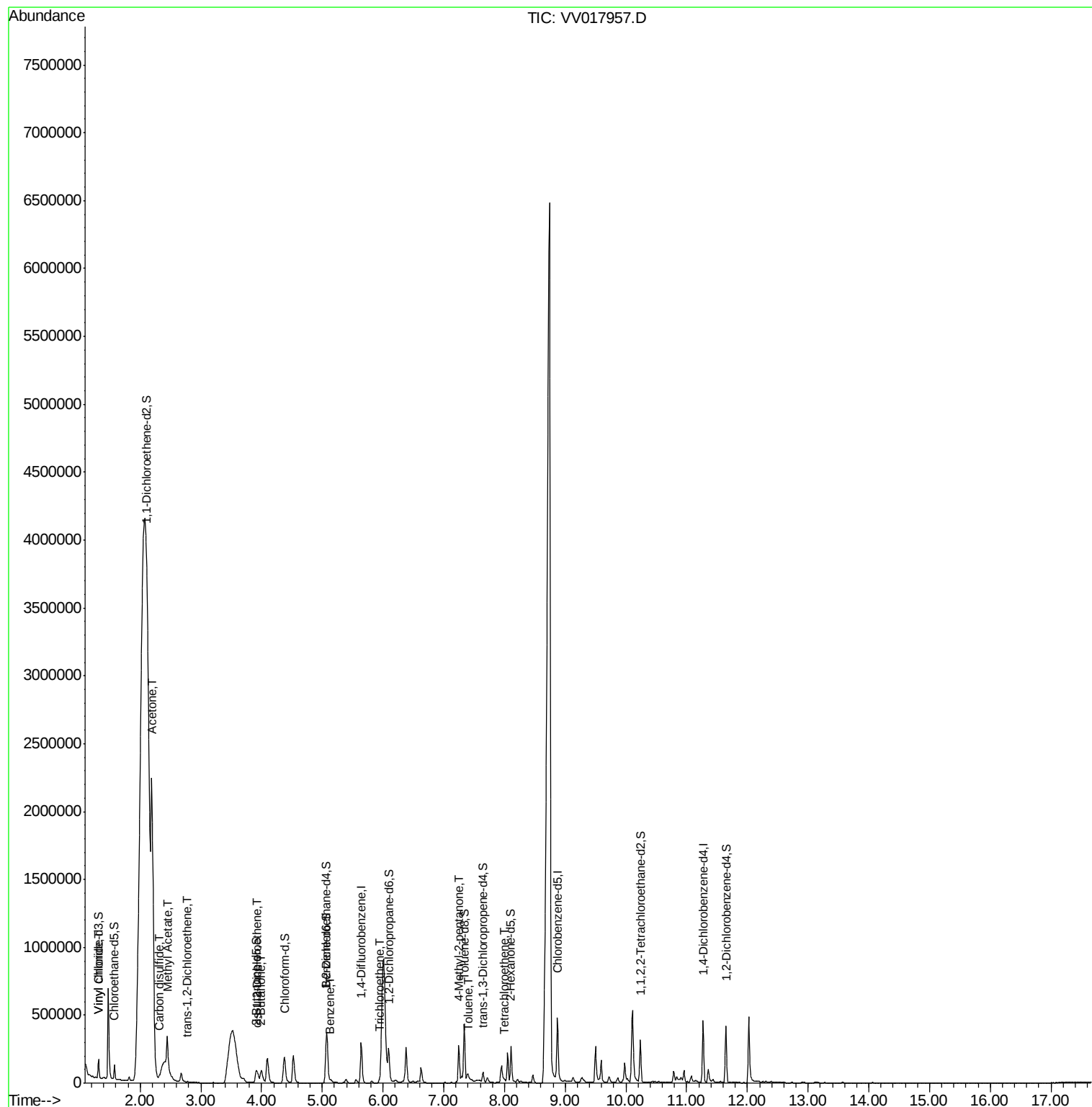
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV081220\
Data File : VV017957.D
Acq On : 13 Aug 2020 04:03
Operator : SY/MD
Sample : L3644-16
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 46 Sample Multiplier: 1

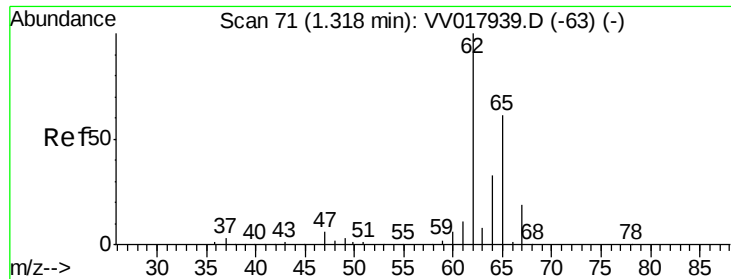
Instrument :
MSVOA_V
ClientSampleId :
F2L98

Manual Integrations
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MMDadoda
8/13/2020 1:39:00 PM

Quant Time: Aug 13 07:12:35 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 13 05:58:58 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 5.369 ug/L m

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017957.D

Acq: 13 Aug 2020 04:03

Instrument :

MSVOA_V

ClientSampled :

F2L98

Tot Ion: 62 Resp: 11907

Ion Ratio Lower Upper

62 100

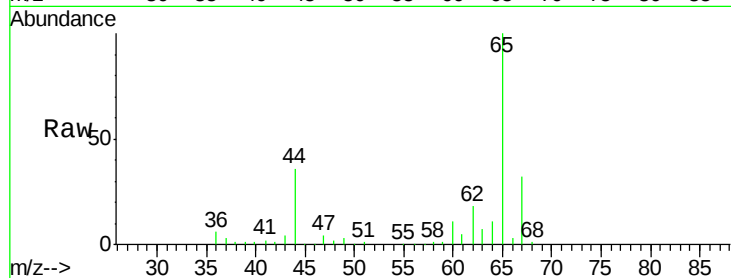
64 58.7 22.4 41.6#

Manual Integrations

APPROVED

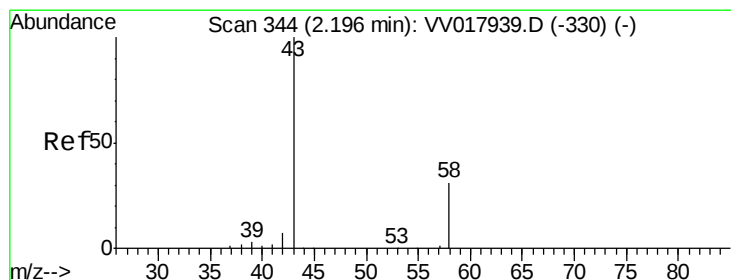
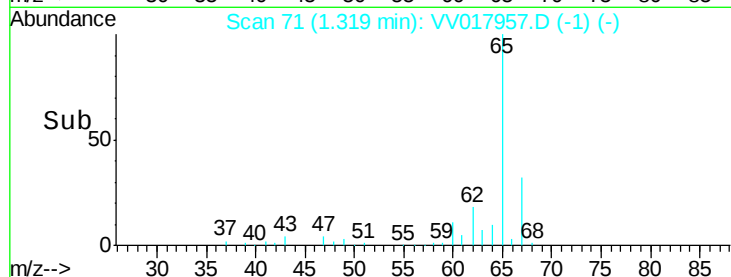
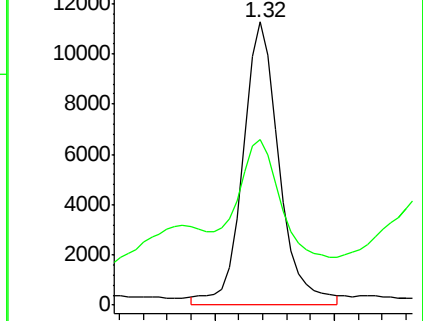
MMDadoda

8/13/2020 1:39:00 PM



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#13

Acetone

Concen: 1858.419 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.01 min

Lab File: VV017957.D

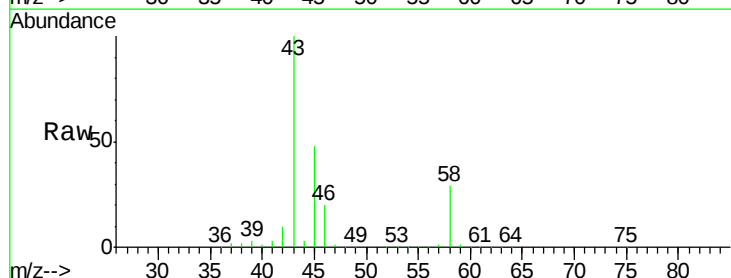
Acq: 13 Aug 2020 04:03

Tgt Ion: 43 Resp: 2394139

Ion Ratio Lower Upper

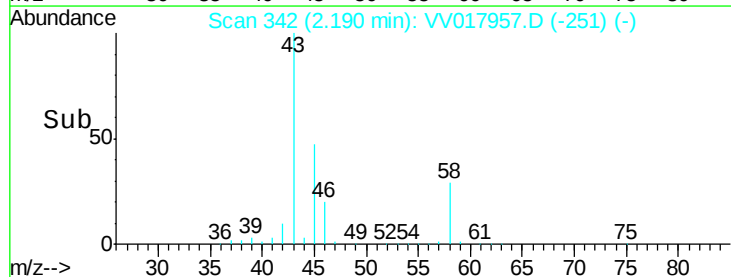
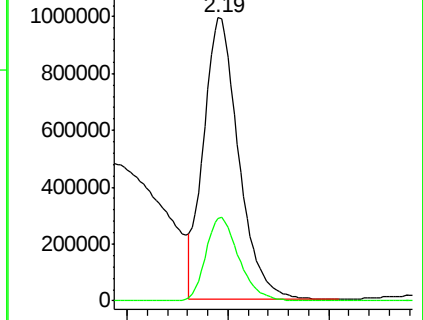
43 100

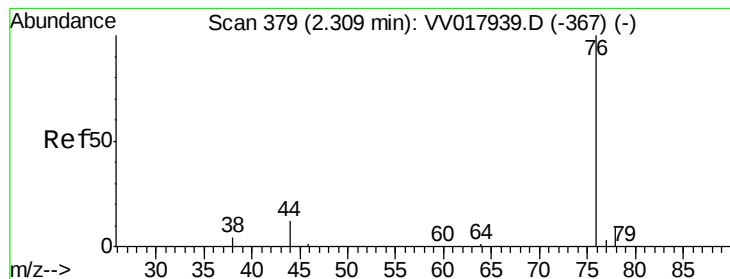
58 28.0 0.0 63.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0





#14

Carbon disulfide

Concen: 3.918 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV017957.D

Acq: 13 Aug 2020 04:03

Instrument :

MSVOA_V

ClientSampled :

F2L98

Tot Ion: 76 Resp: 18055

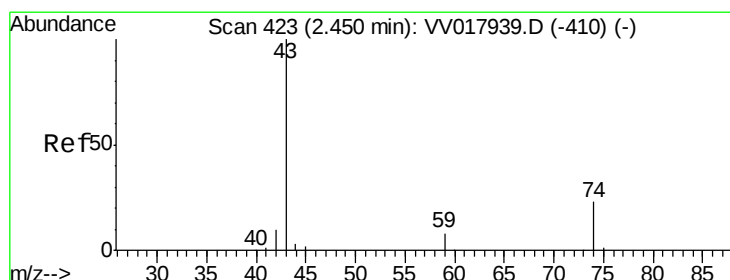
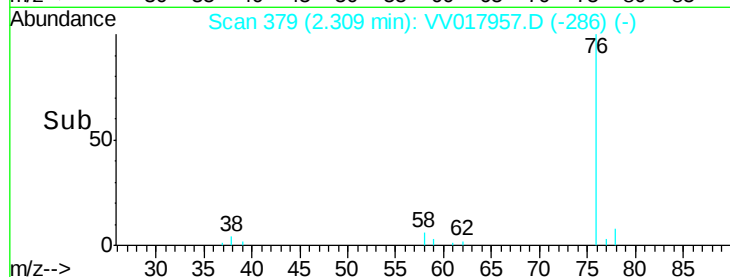
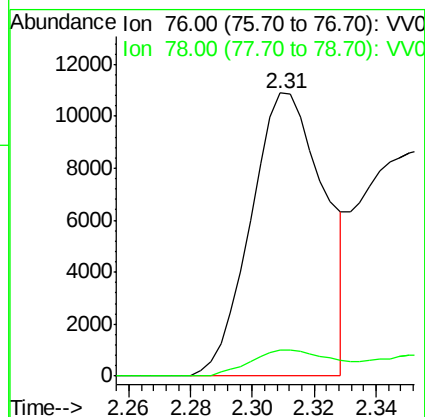
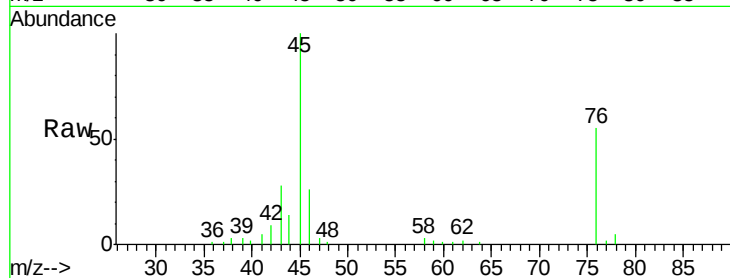
Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2

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#15

Methyl Acetate

Concen: 161.564 ug/L

RT: 2.45 min Scan# 422

Delta R.T. -0.00 min

Lab File: VV017957.D

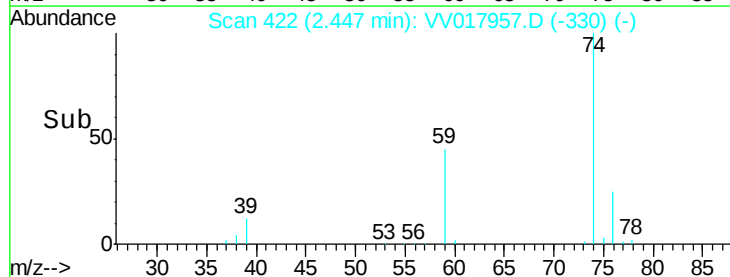
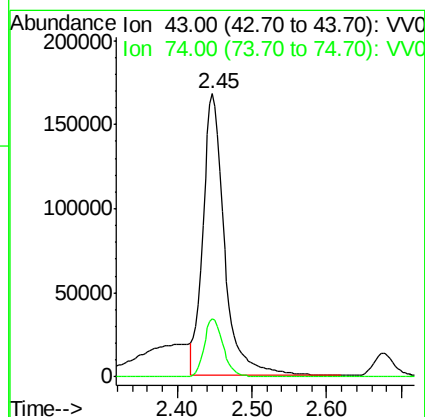
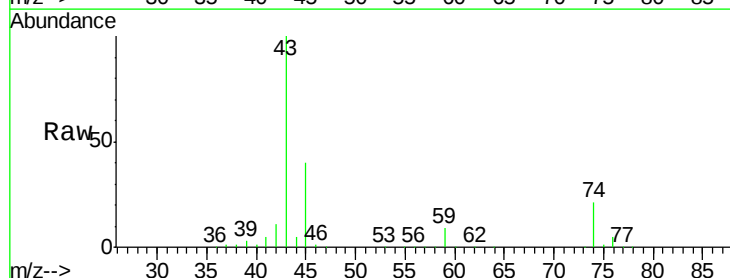
Acq: 13 Aug 2020 04:03

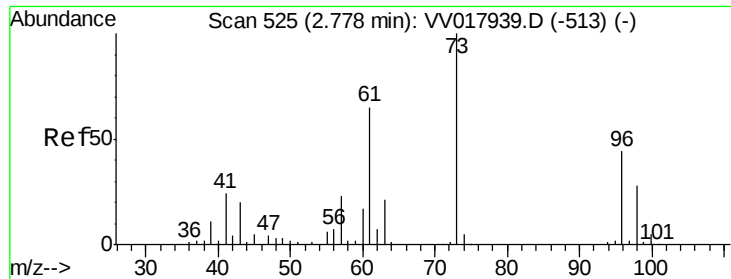
Tgt Ion: 43 Resp: 335890

Ion Ratio Lower Upper

43 100

74 18.4 18.4 27.6#





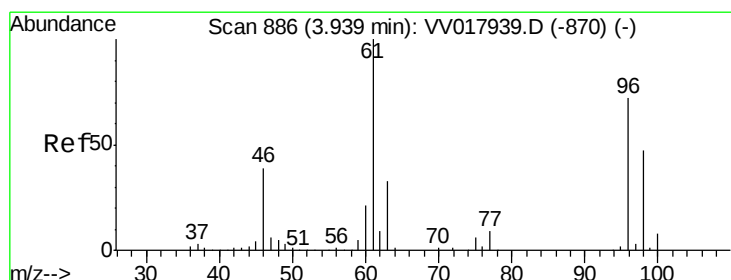
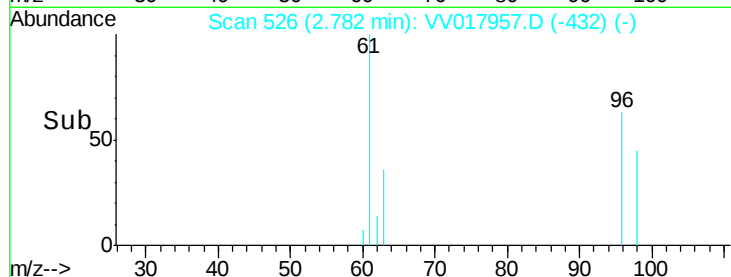
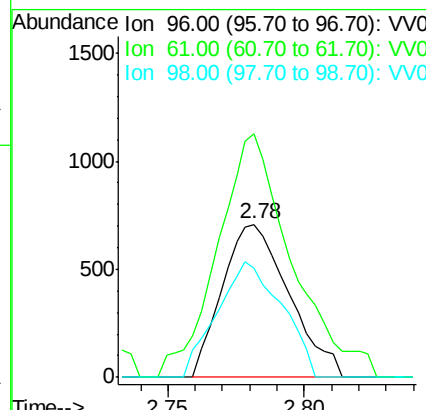
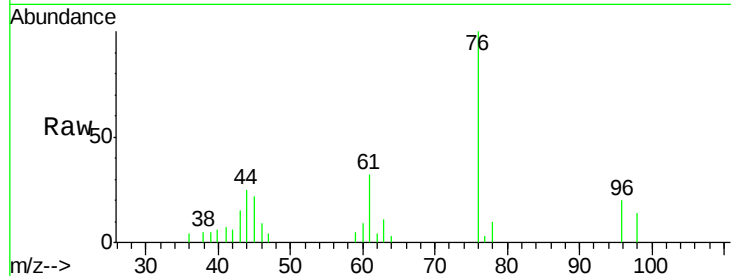
#17
trans-1,2-Dichloroethene
Concen: 0.698 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.00 min
Lab File: VV017957.D
Acq: 13 Aug 2020 04:03

Instrument :
MSVOA_V
ClientSampled :
F2L98

Tot Ion	Ratio	Lower	Upper
96	100		
61	159.0	102.4	190.2
98	71.1	44.4	82.5

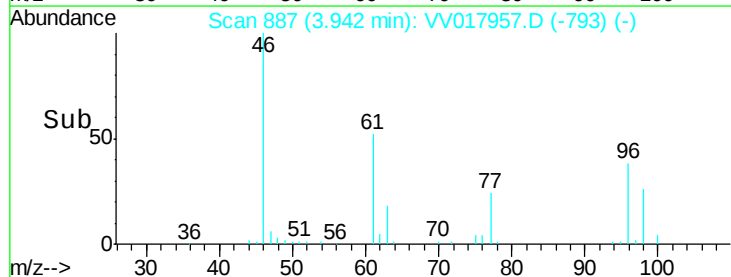
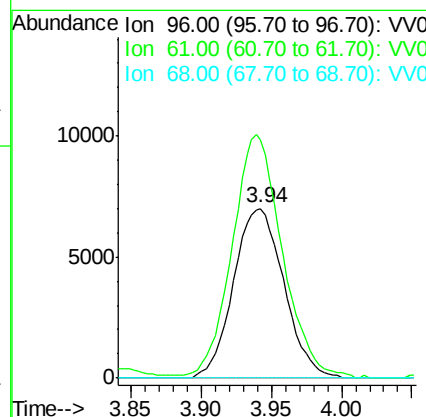
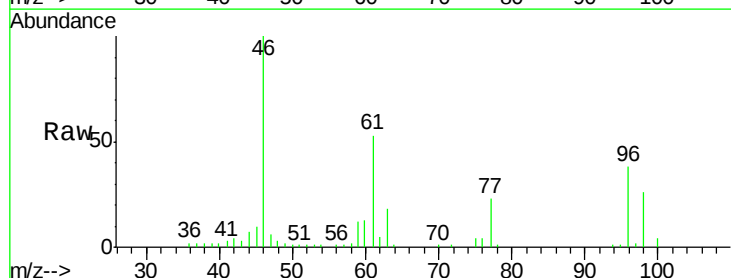
Manual Integrations
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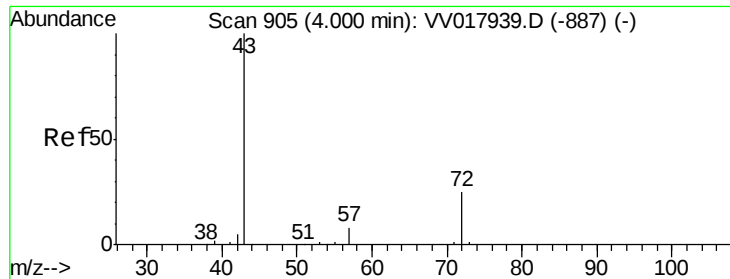
MMDadoda
8/13/2020 1:39:00 PM



#20
cis-1,2-Dichloroethene
Concen: 9.257 ug/L
RT: 3.94 min Scan# 887
Delta R.T. 0.00 min
Lab File: VV017957.D
Acq: 13 Aug 2020 04:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.6	95.0	176.4
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 110.845 ug/L

RT: 3.99 min Scan# 903

Delta R.T. -0.01 min

Lab File: VV017957.D

Acq: 13 Aug 2020 04:03

Instrument :

MSVOA_V

ClientSampled :

F2L98

Tot Ion: 43 Resp: 160196

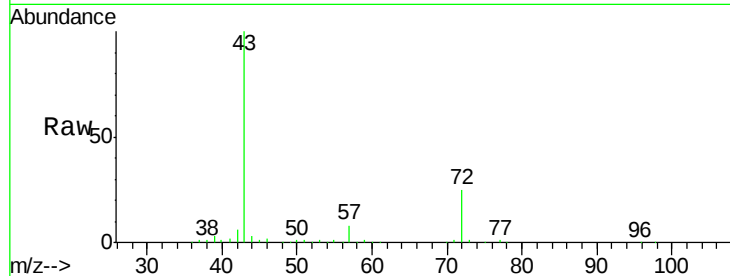
Ion Ratio Lower Upper

43 100

72 26.1 12.7 38.0

Manual Integrations
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8/13/2020 1:39:00 PM



Abundance Ion 43.00 (42.70 to 43.70): VV017939.D (-887) (-)

Ion 72.00 (71.70 to 72.70): VV017939.D (-887) (-)

120000

100000

80000

60000

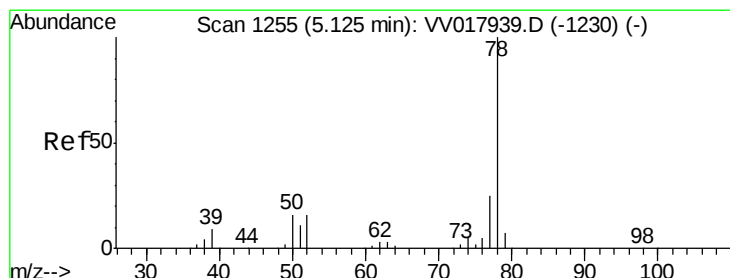
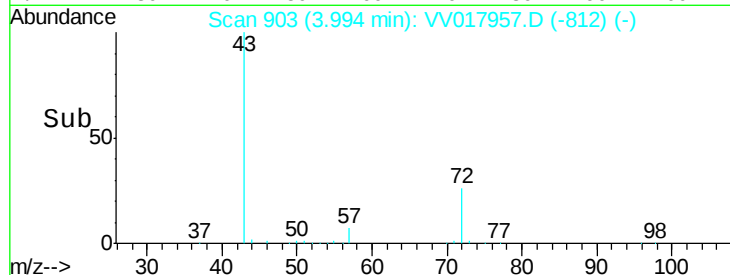
40000

20000

0

3.90 3.95 4.00 4.05 4.10

Time-->



#33

Benzene

Concen: 2.896 ug/L

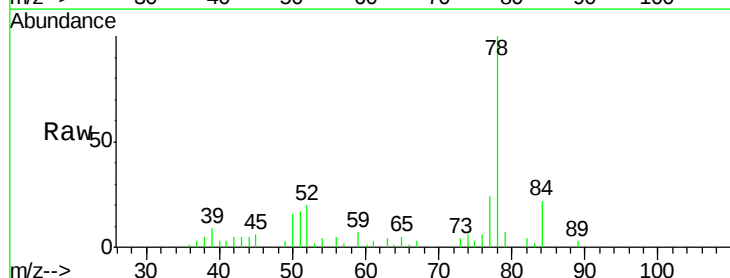
RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VV017957.D

Acq: 13 Aug 2020 04:03

Tgt Ion: 78 Resp: 21457



Abundance Ion 78.00 (77.70 to 78.70): VV017939.D (-1230) (-)

10000

8000

6000

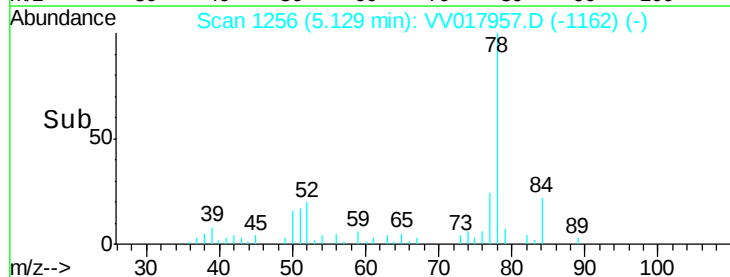
4000

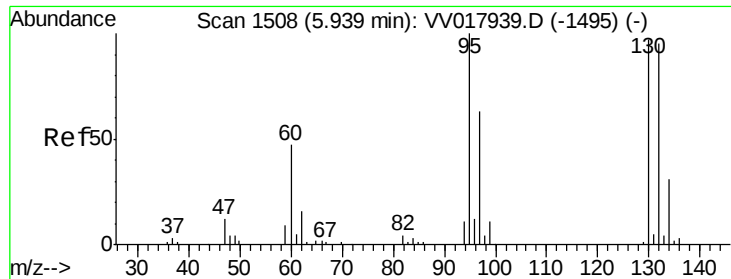
2000

0

5.05 5.10 5.15 5.20

Time-->





#34

Trichloroethene

Concen: 3.882 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VV017957.D

Acq: 13 Aug 2020 04:03

Instrument :

MSVOA_V

ClientSampleId :

F2L98

Tot Ion: 95 Resp: 7602

Ion Ratio Lower Upper

95 100

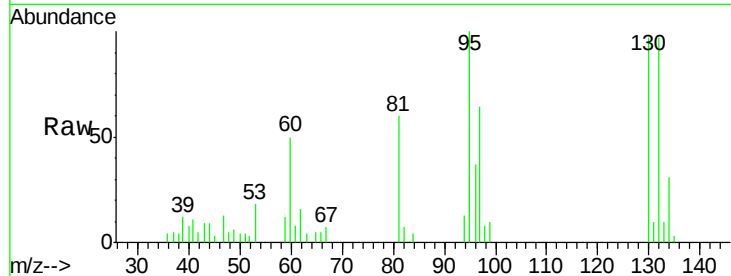
97 63.7 46.0 85.4

132 97.3 65.8 122.2

130 96.5 69.2 128.6

Manual Integrations
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8/13/2020 1:39:00 PM



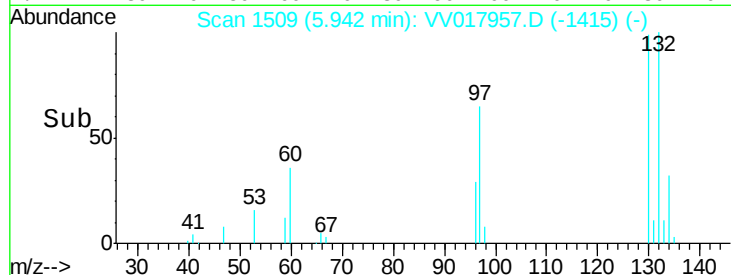
Abundance Ion 95.00 (94.70 to 95.70): VV017939.D (-1495) (-)

Ion 97.00 (96.70 to 97.70): VV017939.D (-1495) (-)

Ion 132.00 (131.70 to 132.70): VV017939.D (-1495) (-)

Ion 130.00 (129.70 to 130.70): VV017939.D (-1495) (-)

Time-->



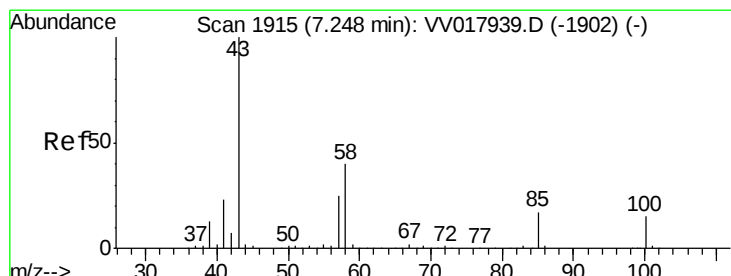
Abundance Ion 95.00 (94.70 to 95.70): VV017939.D (-1495) (-)

Ion 97.00 (96.70 to 97.70): VV017939.D (-1495) (-)

Ion 132.00 (131.70 to 132.70): VV017939.D (-1495) (-)

Ion 130.00 (129.70 to 130.70): VV017939.D (-1495) (-)

Time-->



#40

4-Methyl-2-pentanone

Concen: 67.318 ug/L

RT: 7.25 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VV017957.D

Acq: 13 Aug 2020 04:03

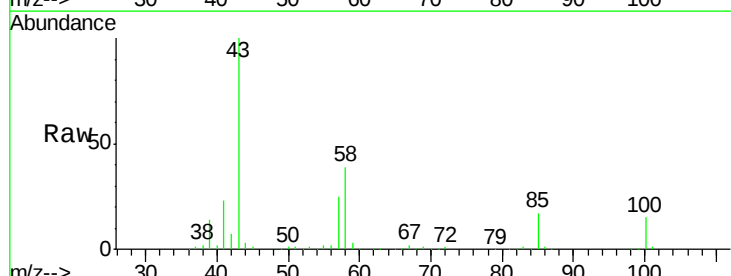
Tgt Ion: 43 Resp: 177809

Ion Ratio Lower Upper

43 100

58 40.8 31.9 47.9

100 15.2 12.2 18.2

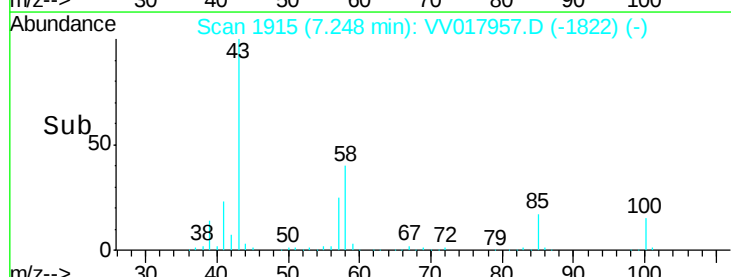


Abundance Ion 43.00 (42.70 to 43.70): VV017939.D (-1902) (-)

Ion 58.00 (57.70 to 58.70): VV017939.D (-1902) (-)

Ion 100.00 (99.70 to 100.70): VV017939.D (-1902) (-)

Time-->

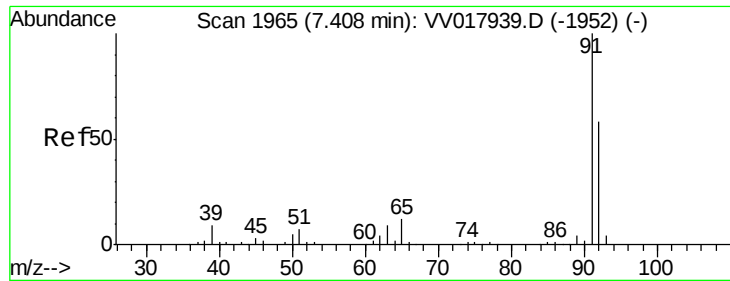


Abundance Ion 43.00 (42.70 to 43.70): VV017939.D (-1902) (-)

Ion 58.00 (57.70 to 58.70): VV017939.D (-1902) (-)

Ion 100.00 (99.70 to 100.70): VV017939.D (-1902) (-)

Time-->



#42

Toluene

Concen: 1.973 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV017957.D

Acq: 13 Aug 2020 04:03

Instrument :

MSVOA_V

ClientSampled :

F2L98

Tot Ion: 91 Resp: 15254

Ion Ratio Lower Upper

91 100

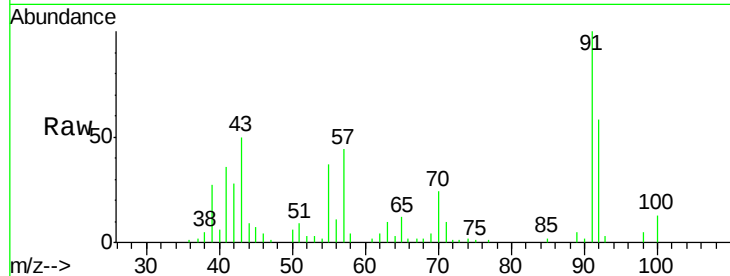
92 58.3 40.6 75.4

Manual Integrations

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8/13/2020 1:39:00 PM

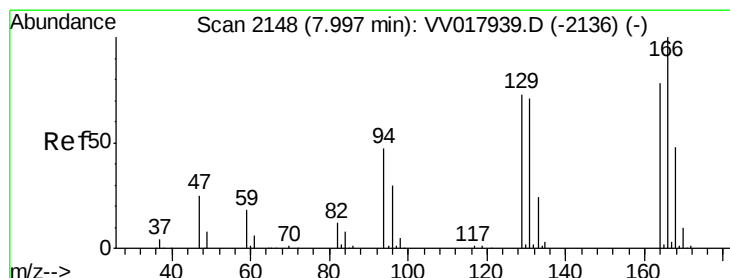
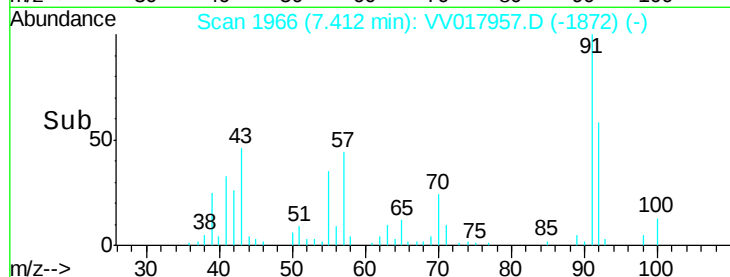


Abundance Ion 91.00 (90.70 to 91.70): VV017939.D (-1952) (-)

Ion 92.00 (91.70 to 92.70): VV017939.D (-1952) (-)

7.41

Time-->



#46

Tetrachloroethene

Concen: 2.403 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV017957.D

Acq: 13 Aug 2020 04:03

Tgt Ion: 164 Resp: 3452

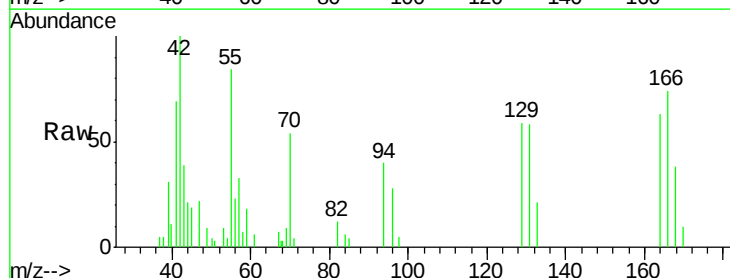
Ion Ratio Lower Upper

164 100

129 92.7 64.8 120.3

131 92.2 64.5 119.9

166 116.9 88.9 165.1



Abundance Ion 164.00 (163.70 to 164.70): VV017939.D (-2136) (-)

Ion 129.00 (128.70 to 129.70): VV017939.D (-2136) (-)

Ion 131.00 (130.70 to 131.70): VV017939.D (-2136) (-)

Ion 166.00 (165.70 to 166.70): VV017939.D (-2136) (-)

8.00

Time-->

