

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060619\
 Data File : VV011258.D
 Acq On : 06 Jun 2019 21:06
 Operator : SY/MD
 Sample : K3226-03
 Misc : 25ML/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFCN9

Manual Integrations
 APPROVED

MMDadoda
 6/10/2019 11:43:46 AM

Quant Time: Jun 07 02:35:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 07 01:28:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	164173	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	154865	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	67670	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	71329	5.73	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	114.60%
7) Chloroethane-d5	1.58	69	52029	5.03	ug/L	0.02
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.60%
11) 1,1-Dichloroethene-d2	2.13	63	135331	5.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	108.80%
20) 2-Butanone-d5	3.96	46	170506	60.88	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.76%
24) Chloroform-d	4.40	84	106709	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.08	65	61610	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.00%
32) Benzene-d6	5.10	84	223878	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
36) 1,2-Dichloropropane-d6	6.13	67	69873	4.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.00%
41) Toluene-d8	7.36	98	201428	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
43) trans-1,3-Dichloropropene-	7.66	79	25757	4.73	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.60%
46) 2-Hexanone-d5	8.13	63	130470	56.77	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.54%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	47978	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	66047	4.94	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	1447459	95.830	ug/L	92
12) 1,1-Dichloroethene	2.14	96	63825	6.170	ug/L	96
13) Acetone	2.21	43	5343	2.845	ug/L	97
17) Methyl tert-butyl Ether	2.81	73	299231	10.837	ug/L	100
18) trans-1,2-Dichloroethene	2.78	96	311672	26.912	ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	15352218	1197.001	ug/L #	89
33) Benzene	5.14	78	8359	0.170	ug/L	100
34) Trichloroethene	5.97	95	35308854m	2773.565	ug/L	
42) Toluene	7.43	91	29146	0.555	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	1751	0.223	ug/L	92
47) Tetrachloroethene	8.02	164	211592	22.998	ug/L	97

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

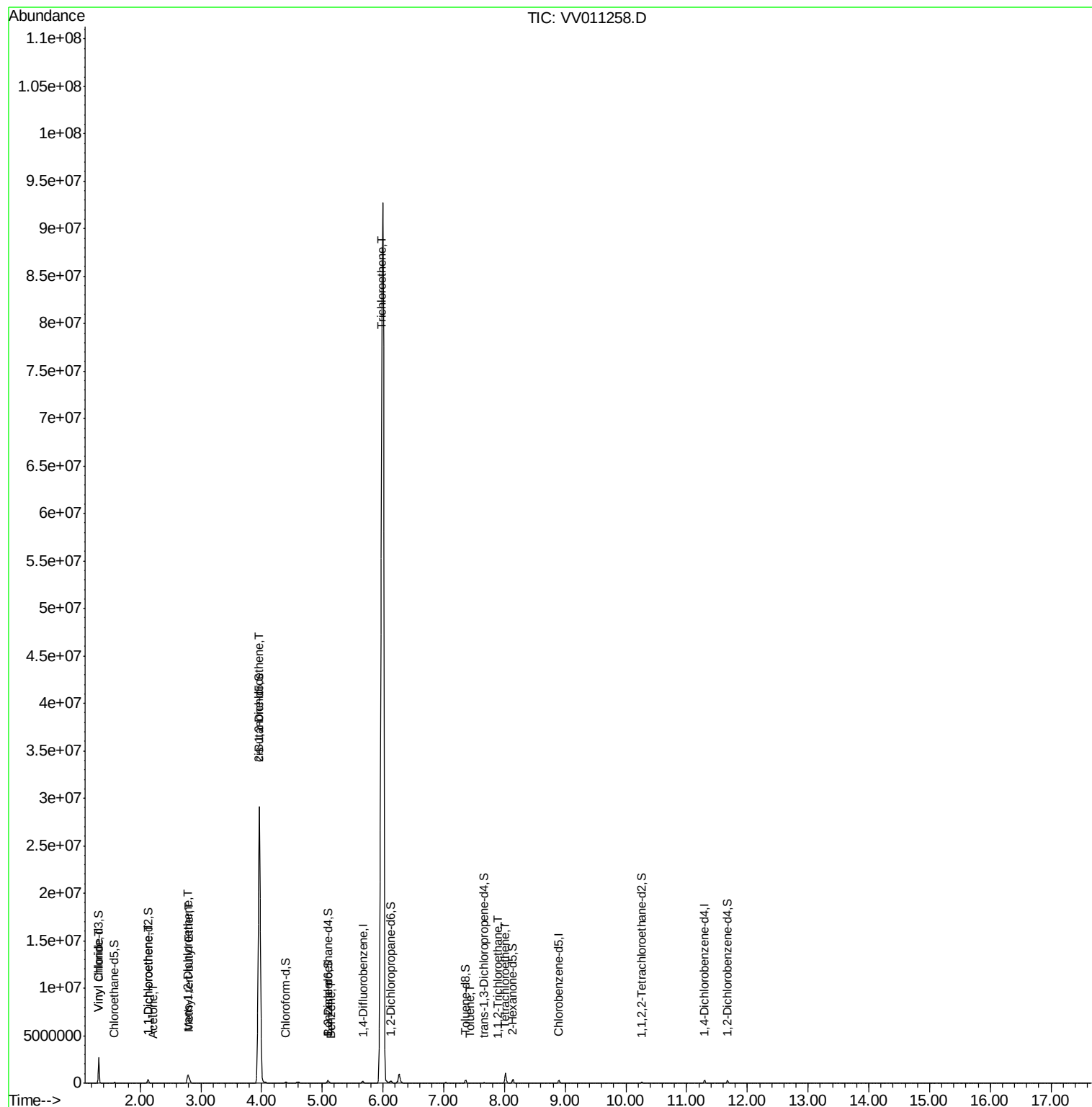
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV060619\
Data File : VV011258.D
Acq On : 06 Jun 2019 21:06
Operator : SY/MD
Sample : K3226-03
Misc : 25ML/MSVOA V/WATER
ALS Vial : 1 Sample Multiplier: 1

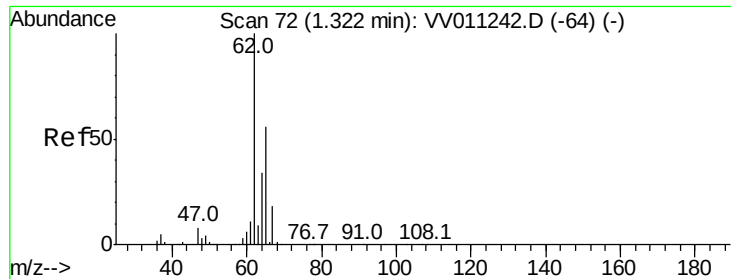
Instrument :
MSVOA_V
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 07 01:28:31 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 95.830 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV011258.D

Acq: 06 Jun 2019 21:06

Instrument :

MSVOA_V

ClientSampleId :

BFCN9

Tot Ion: 62 Resp: 1447459

Ion Ratio Lower Upper

62 100

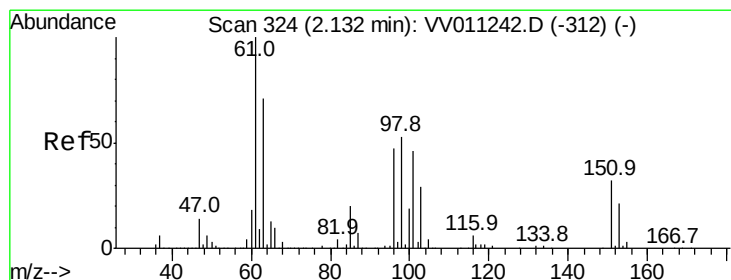
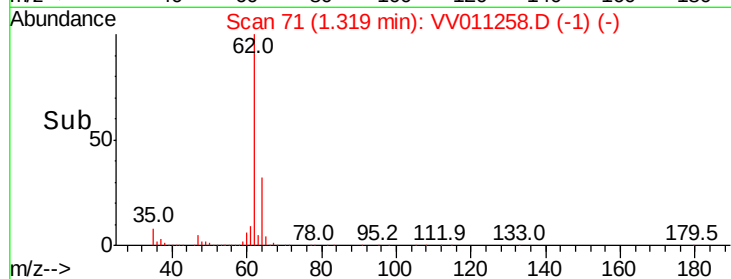
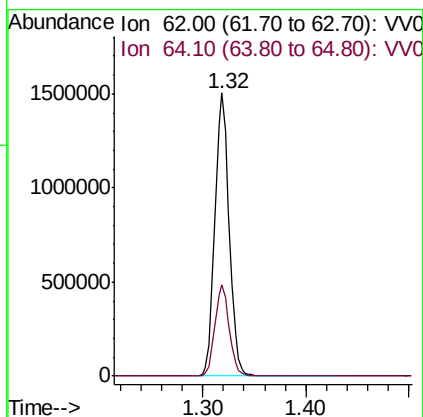
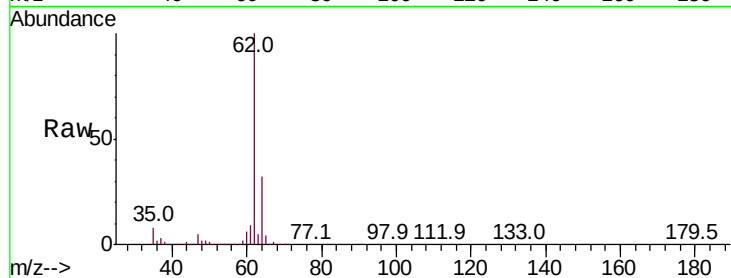
64 32.2 25.9 48.1

Manual Integrations

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#12

1,1-Dichloroethene

Concen: 6.170 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV011258.D

Acq: 06 Jun 2019 21:06

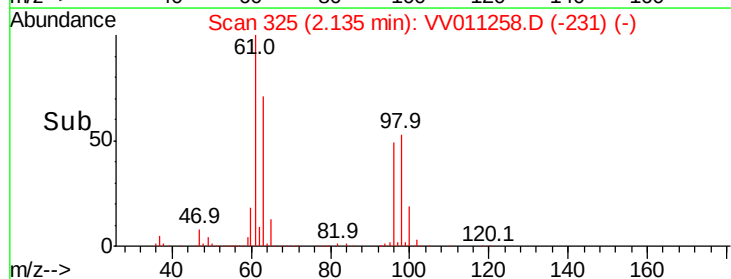
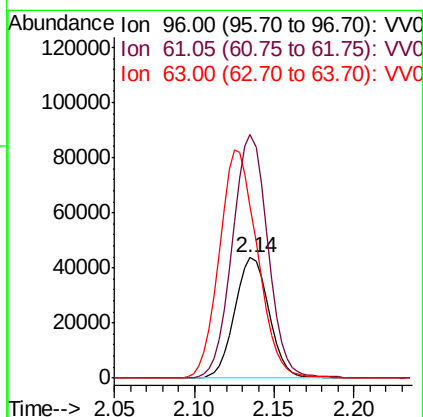
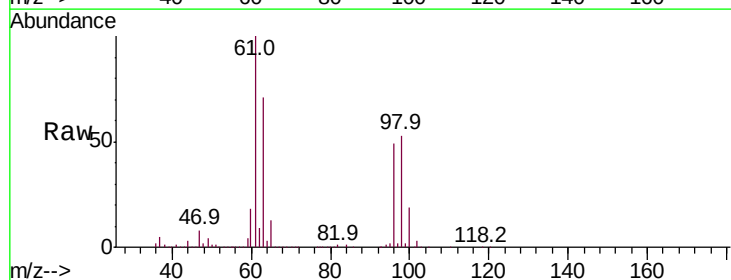
Tgt Ion: 96 Resp: 63825

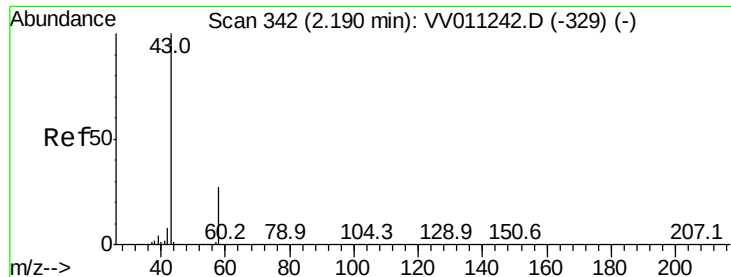
Ion Ratio Lower Upper

96 100

61 202.7 139.8 259.6

63 143.0 94.3 175.1





#13

Acetone

Concen: 2.845 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.02 min

Lab File: VV011258.D

Acq: 06 Jun 2019 21:06

Instrument :

MSVOA_V

ClientSampled :

BFCN9

Tot Ion: 43 Resp: 5343

Ion Ratio Lower Upper

43 100

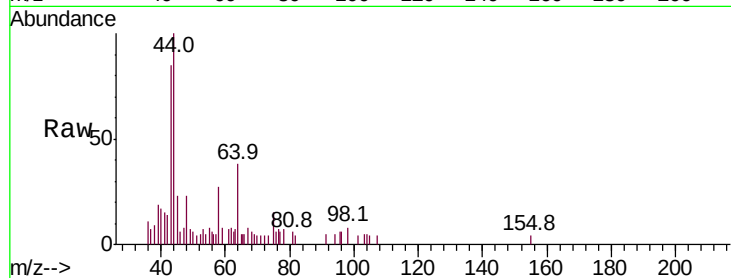
58 25.9 0.0 55.2

Manual Integrations

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Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2500

2000

1500

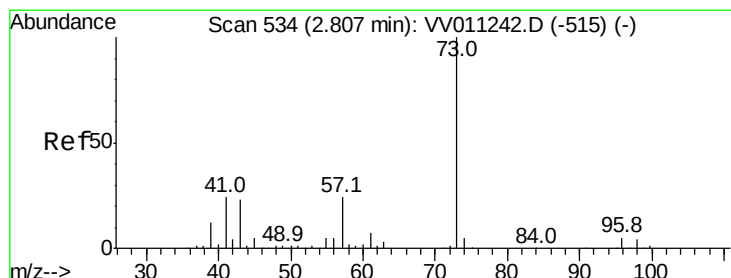
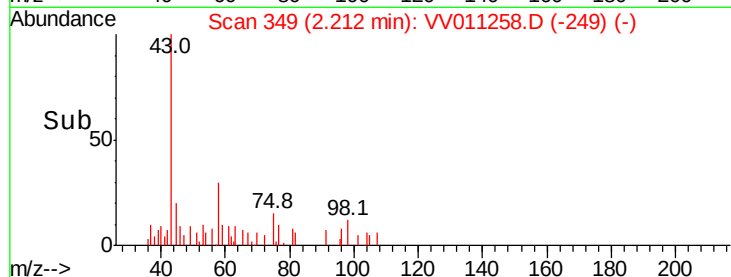
1000

500

0

2.15 2.20 2.25 2.30

Time-->



#17

Methyl tert-butyl Ether

Concen: 10.837 ug/L

RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VV011258.D

Acq: 06 Jun 2019 21:06

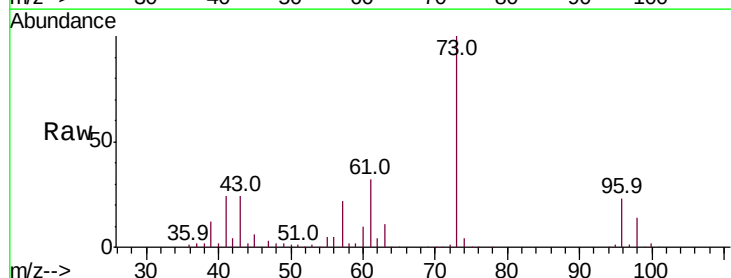
Tgt Ion: 73 Resp: 299231

Ion Ratio Lower Upper

73 100

43 23.2 18.7 28.1

57 22.6 18.1 27.1



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

150000

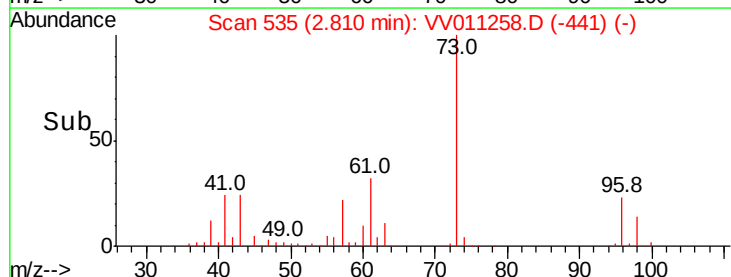
100000

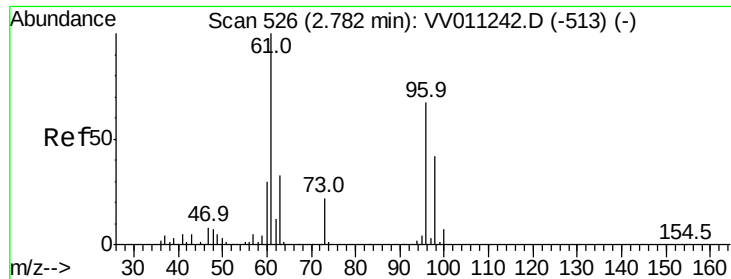
50000

0

2.70 2.80 2.90

Time-->





#18

trans-1,2-Dichloroethene

Concen: 26.912 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV011258.D

Acq: 06 Jun 2019 21:06

Instrument :

MSVOA_V

ClientSampleId :

BFCN9

Tot Ion: 96 Resp: 311672

Ion Ratio Lower Upper

96 100

61 153.6 104.0 193.2

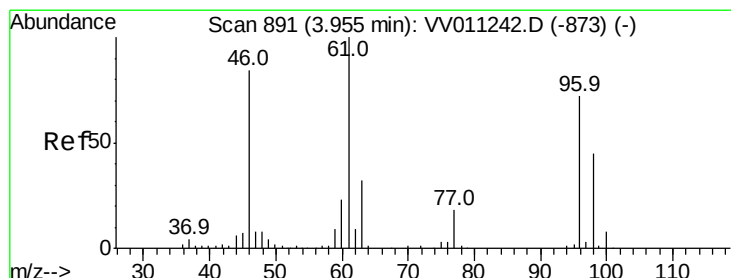
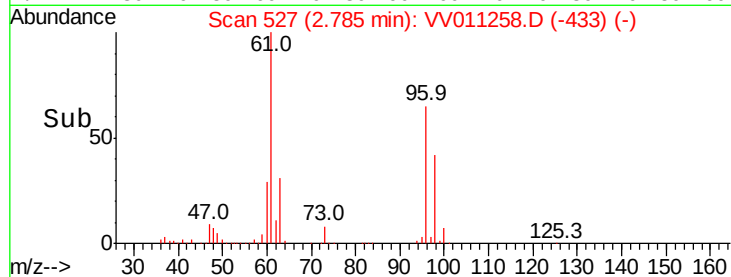
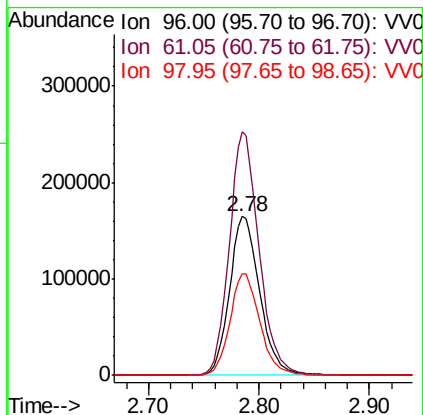
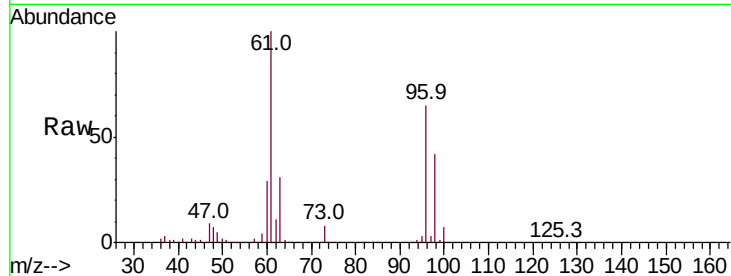
98 64.2 45.7 84.9

Manual Integrations

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#22

cis-1,2-Dichloroethene

Concen: 1197.001 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.01 min

Lab File: VV011258.D

Acq: 06 Jun 2019 21:06

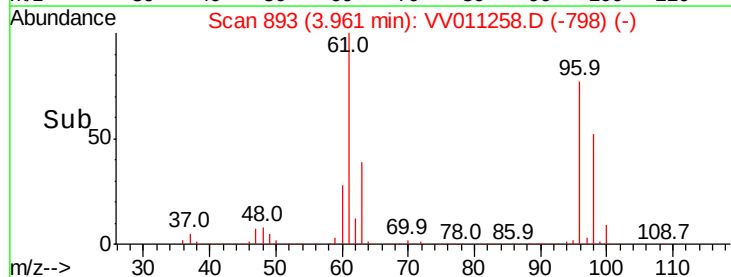
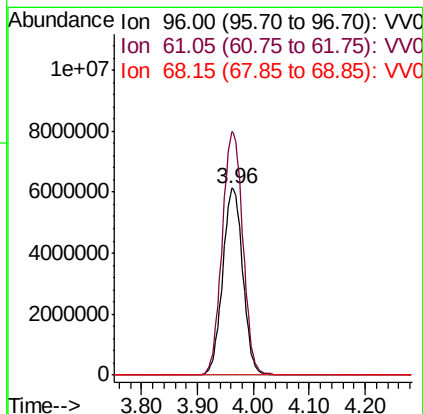
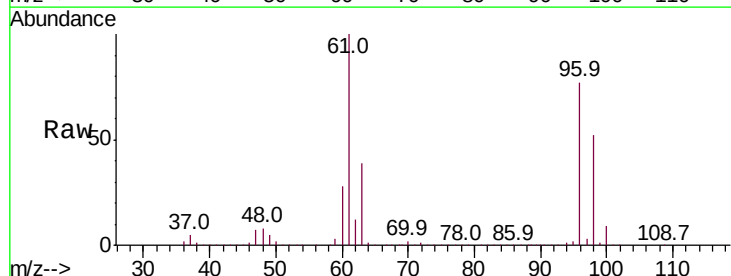
Tgt Ion: 96 Resp: 15352218

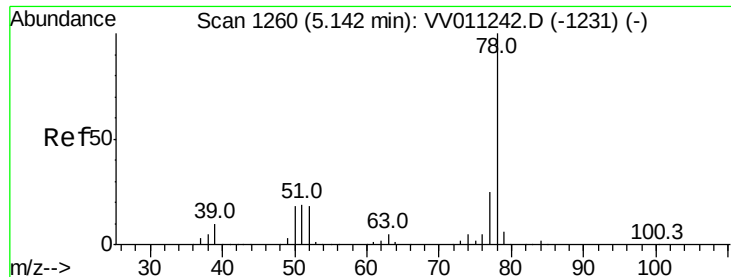
Ion Ratio Lower Upper

96 100

61 130.4 100.8 187.2

68 0.0 0.0 0.0#





#33

Benzene

Concen: 0.170 ug/L

RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VV011258.D

Acq: 06 Jun 2019 21:06

Instrument :

MSVOA_V

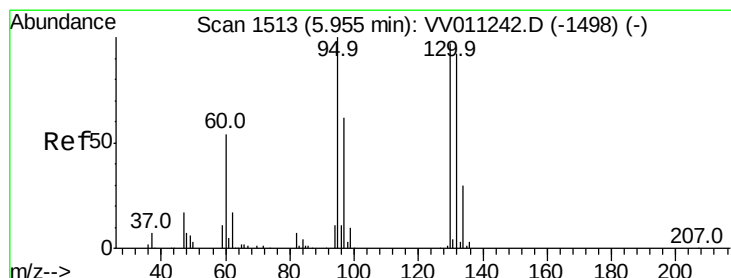
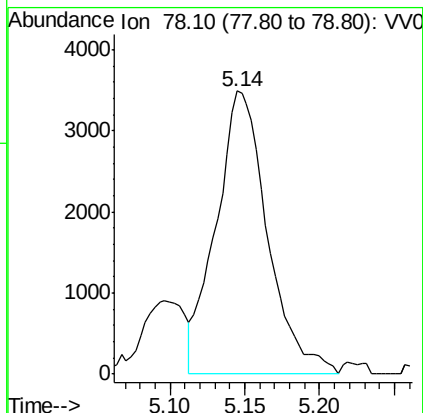
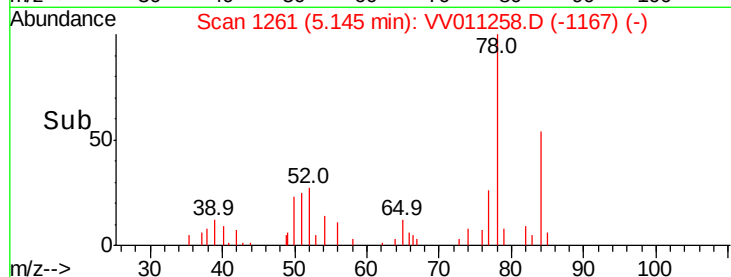
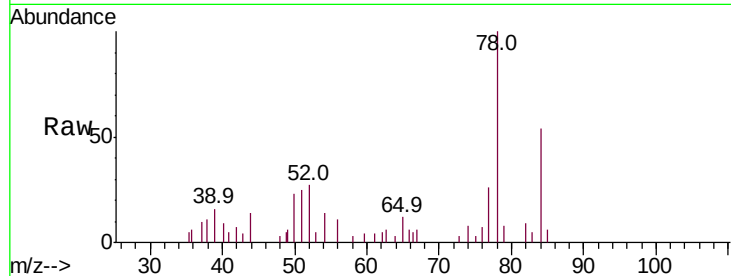
ClientSampleId :

BFCN9

Tgt Ion: 78 Resp: 8359

Manual Integrations
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#34

Trichloroethene

Concen: 2773.565 ug/L m

RT: 5.97 min Scan# 1517

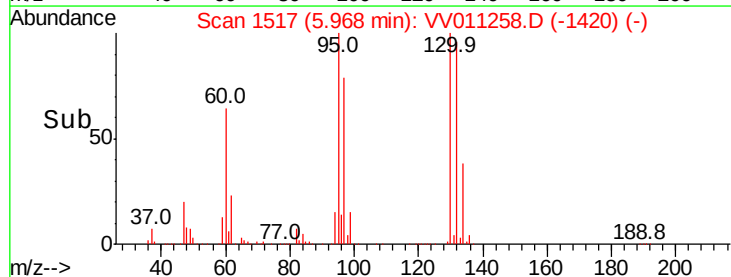
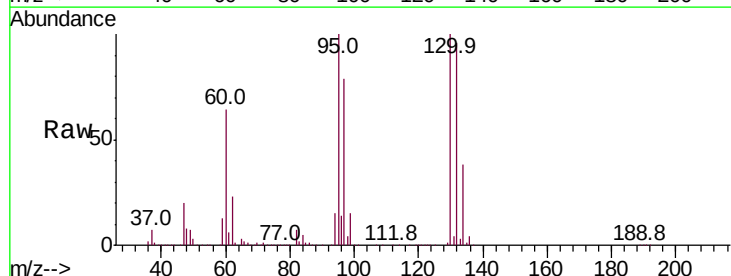
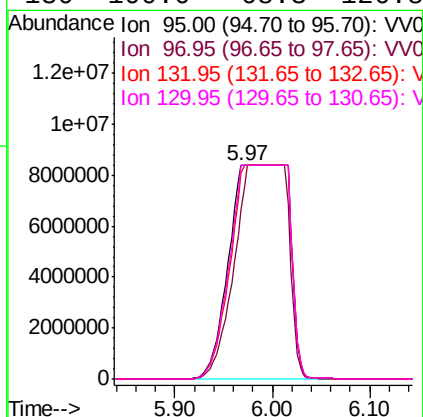
Delta R.T. 0.01 min

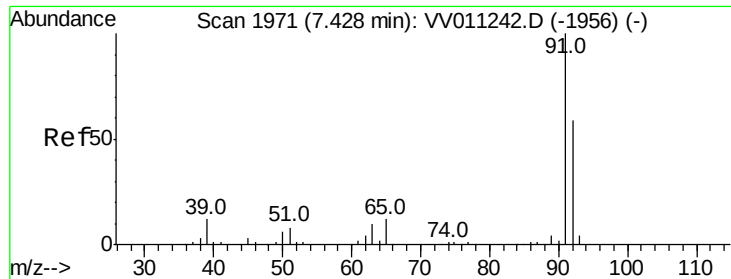
Lab File: VV011258.D

Acq: 06 Jun 2019 21:06

Tgt Ion: 95 Resp: 35308854

Ion	Ratio	Lower	Upper
95	100		
97	79.1	45.8	85.2
132	96.5	66.4	123.2
130	100.0	68.3	126.8





#42

Toluene

Concen: 0.555 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV011258.D

Acq: 06 Jun 2019 21:06

Instrument :

MSVOA_V

ClientSampleId :

BFCN9

Tot Ion: 91 Resp: 29146

Ion Ratio Lower Upper

91 100

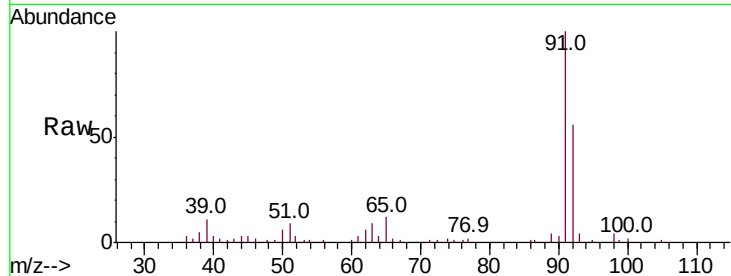
92 55.6 39.9 74.1

Manual Integrations

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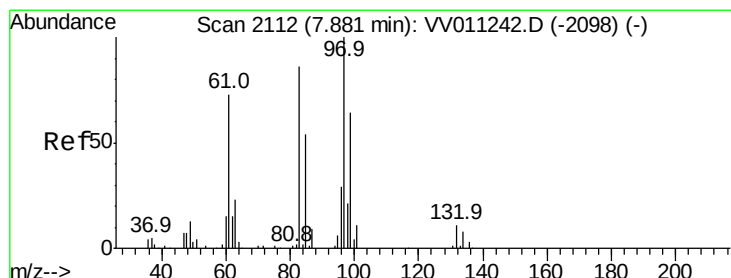
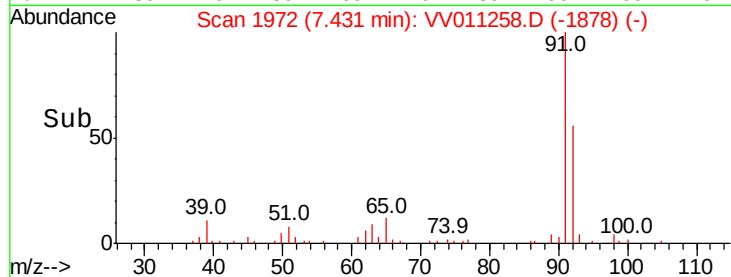
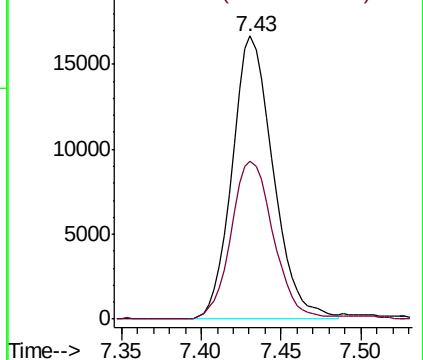
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Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#45

1,1,2-Trichloroethane

Concen: 0.223 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. 0.01 min

Lab File: VV011258.D

Acq: 06 Jun 2019 21:06

Tgt Ion: 97 Resp: 1751

Ion Ratio Lower Upper

97 100

99 54.0 42.1 78.3

83 73.9 59.4 110.2

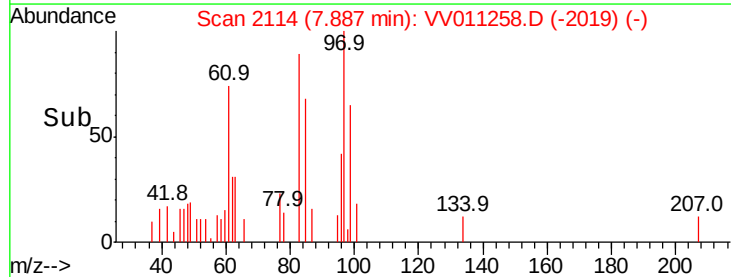
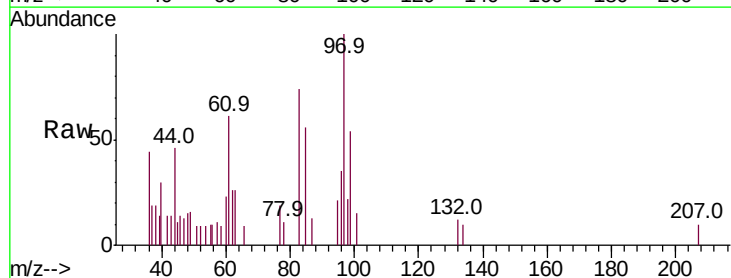
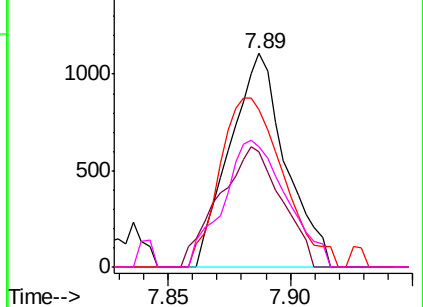
85 56.4 39.7 73.7

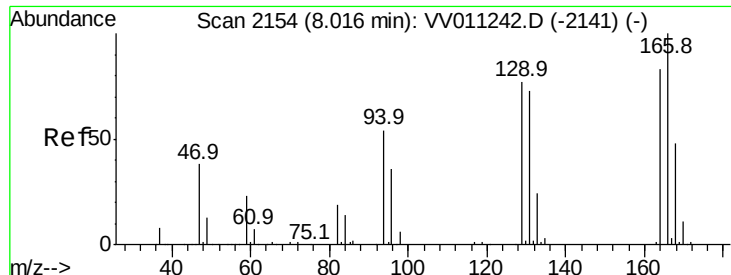
Abundance Ion 96.95 (96.65 to 97.65): VV0

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





#47

Tetrachloroethene

Concen: 22.998 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV011258.D

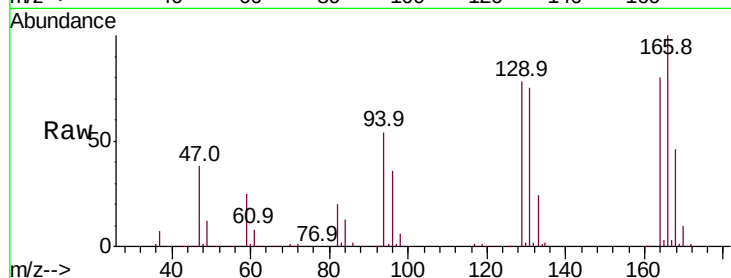
Acq: 06 Jun 2019 21:06

Instrument :

MSVOA_V

ClientSampleId :

BFCN9



Tot Ion:164 Resp: 211592

Ion Ratio Lower Upper

164 100

129 98.0 69.9 129.9

131 93.3 66.8 124.2

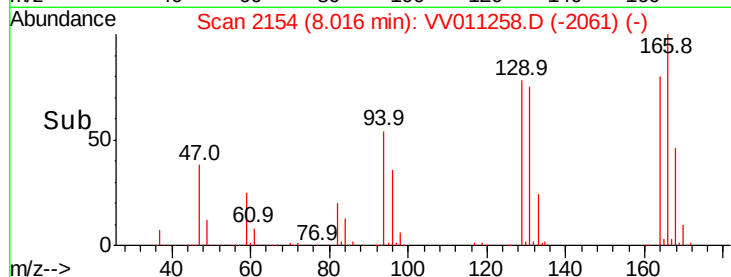
166 125.1 90.2 167.6

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Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

