

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062320\
 Data File : VV017041.D
 Acq On : 23 Jun 2020 00:57
 Operator : SY/MD
 Sample : L3067-20
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFXH7

Manual Integrations
 APPROVED

MMDadoda
 6/24/2020 8:57:52 AM

Quant Time: Jun 23 07:28:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 23 04:53:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	187716	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	178369	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	92852	5.00	ug/L	0.00

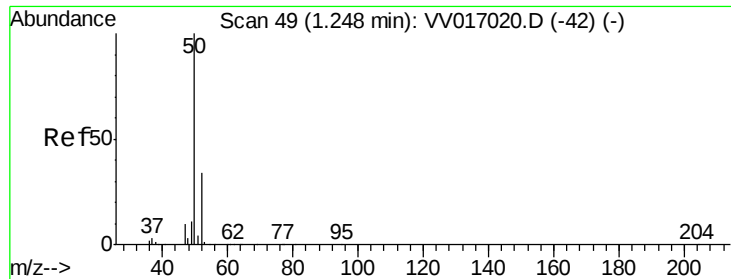
System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	42790	3.80	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.00%
7) Chloroethane-d5	1.58	69	34455	4.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.20%
11) 1,1-Dichloroethene-d2	2.12	63	72168	3.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.40%
20) 2-Butanone-d5	3.95	46	133448	46.48	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.96%
24) Chloroform-d	4.38	84	108431	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.00%
26) 1,2-Dichloroethane-d4	5.06	65	58452	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.60%
32) Benzene-d6	5.07	84	205939	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.00%
36) 1,2-Dichloropropane-d6	6.10	67	62638	4.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.40%
41) Toluene-d8	7.34	98	200425	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
45) trans-1,3-Dichloropropene-	7.64	79	25240	4.37	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.40%
48) 2-Hexanone-d5	8.11	63	91864	41.79	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.58%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	44640	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	79464	4.63	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.60%

Target Compounds

					Ovalue
3) Chloromethane	1.25	50	1412	0.111 ug/L	91
5) Vinyl chloride	1.32	62	9242m	0.750 ug/L	
8) Chloroethane	1.60	64	79373	11.660 ug/L	95
12) 1,1-Dichloroethene	2.13	96	8507	0.944 ug/L #	1
16) Methylene chloride	2.52	84	4473	0.464 ug/L	91
18) trans-1,2-Dichloroethene	2.78	96	2260	0.237 ug/L	96
19) 1,1-Dichloroethane	3.21	63	8654786	403.478 ug/L	97
22) cis-1,2-Dichloroethene	3.94	96	3471	0.266 ug/L	99
27) 1,2-Dichloroethane	5.16	62	14898	1.023 ug/L	97
29) 1,1,1-Trichloroethane	4.63	97	6159	0.288 ug/L #	77
42) Toluene	7.41	91	8503	0.157 ug/L	99
55) m,p-xylene	9.16	106	4037	0.178 ug/L	74

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



#3

Chloromethane

Concen: 0.111 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017041.D

Acq: 23 Jun 2020 00:57

Instrument :

MSVOA_V

ClientSampleId :

BFXH7

Tot Ion: 50 Resp: 1412

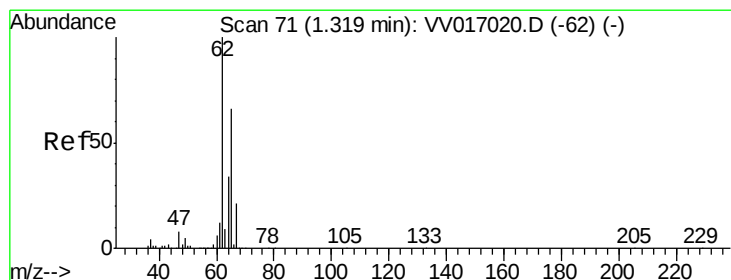
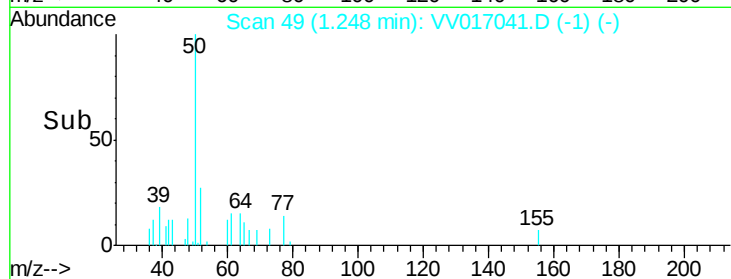
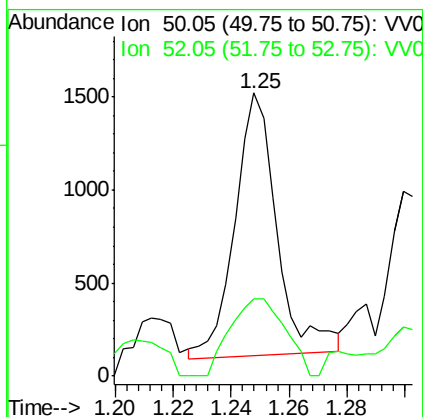
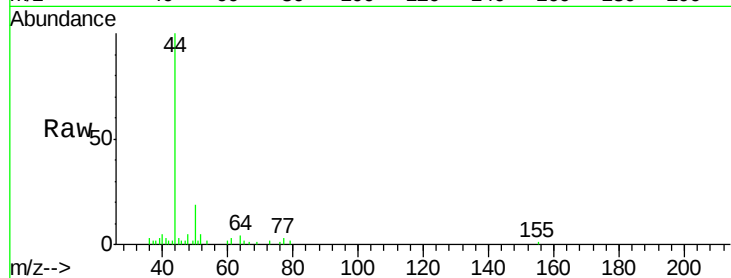
Ion Ratio Lower Upper

50 100

52 27.4 22.5 41.9

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#5

Vinyl chloride

Concen: 0.750 ug/L m

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017041.D

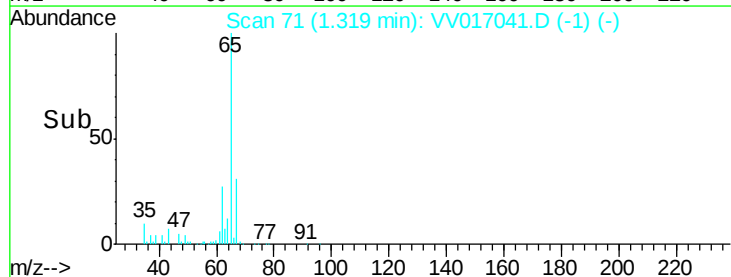
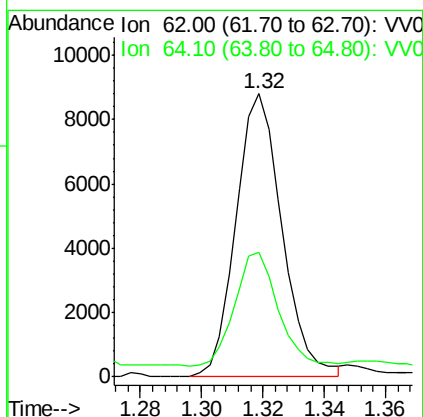
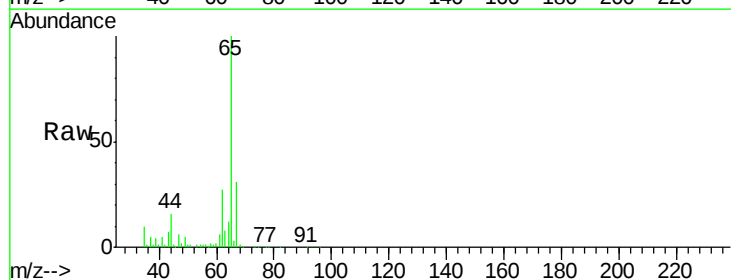
Acq: 23 Jun 2020 00:57

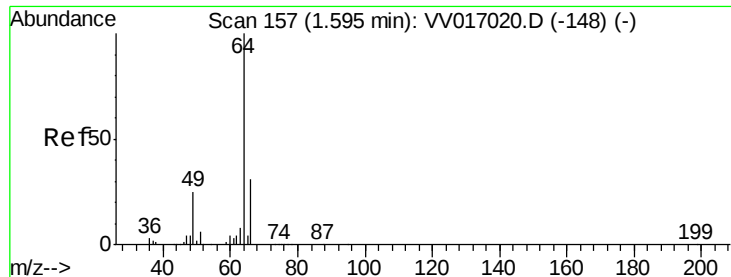
Tgt Ion: 62 Resp: 9242

Ion Ratio Lower Upper

62 100

64 44.3 22.5 41.7#





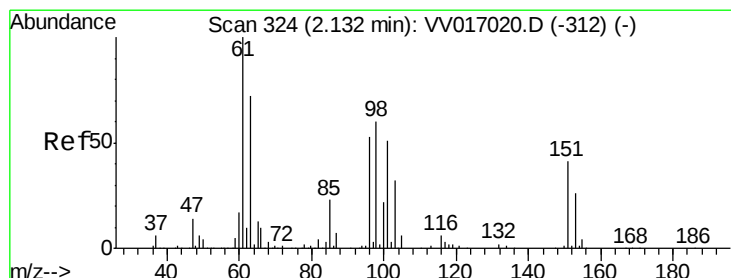
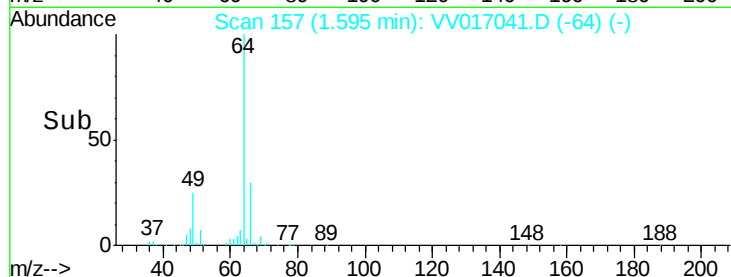
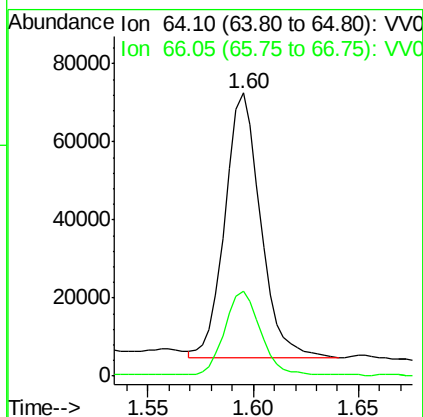
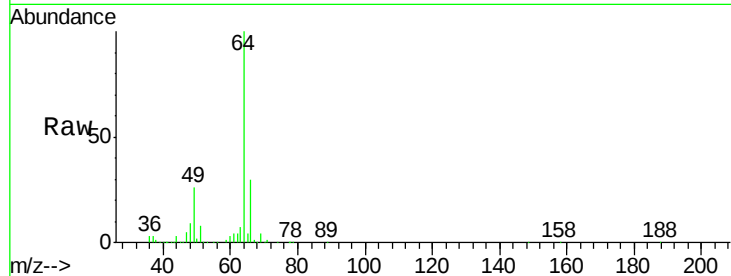
#8
Chloroethane
Concen: 11.660 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV017041.D
Acq: 23 Jun 2020 00:57

Instrument :
MSVOA_V
ClientSampleId :
BFXH7

Tot Ion	Ratio	Lower	Upper
64	100		
66	30.1	22.8	42.4

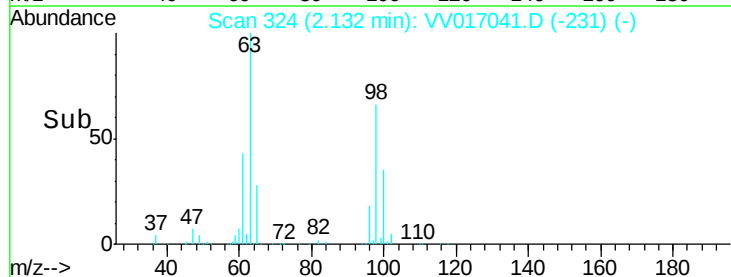
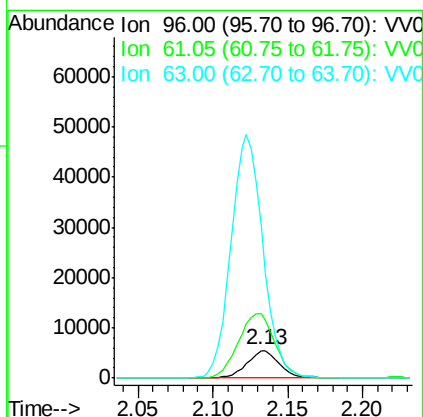
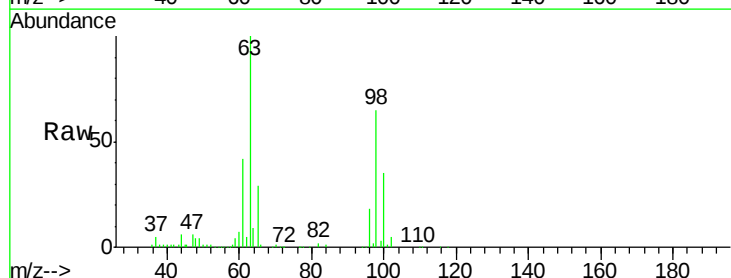
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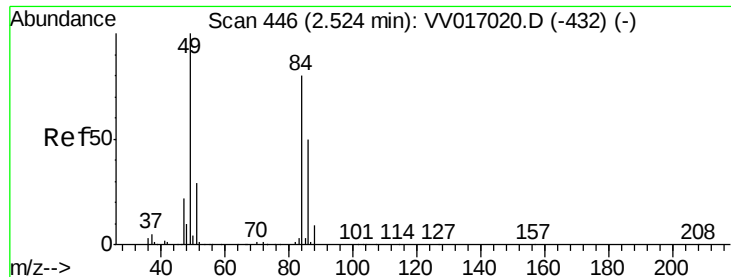
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#12
1,1-Dichloroethene
Concen: 0.944 ug/L
RT: 2.13 min Scan# 324
Delta R.T. 0.00 min
Lab File: VV017041.D
Acq: 23 Jun 2020 00:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	230.7	125.0	232.2
63	545.1	109.8	203.8#





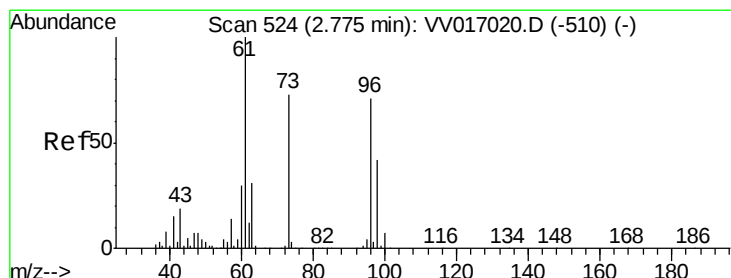
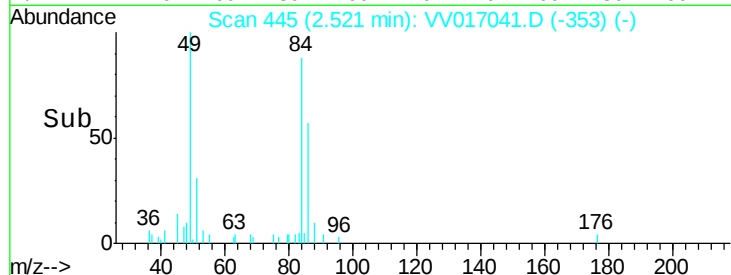
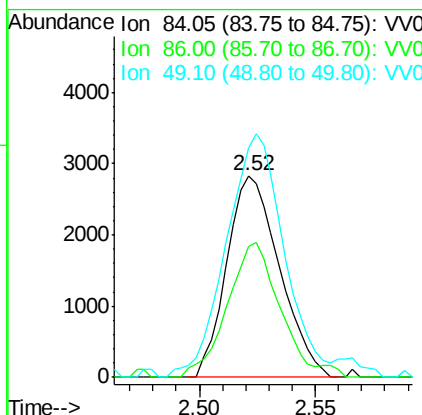
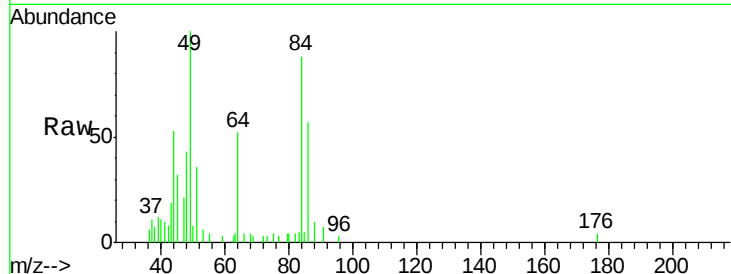
#16
Methvlene chloride
Concen: 0.464 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV017041.D
Acq: 23 Jun 2020 00:57

Instrument :
MSVOA_V
ClientSampleId :
BFXH7

Tot Ion	84	Resp	4473
Ion	Ratio	Lower	Upper
84	100		
86	65.0	45.8	85.0
49	113.4	89.6	166.4

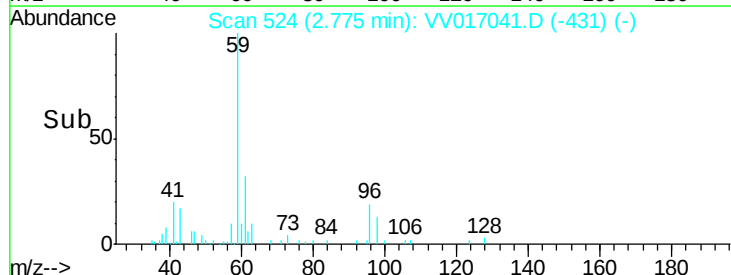
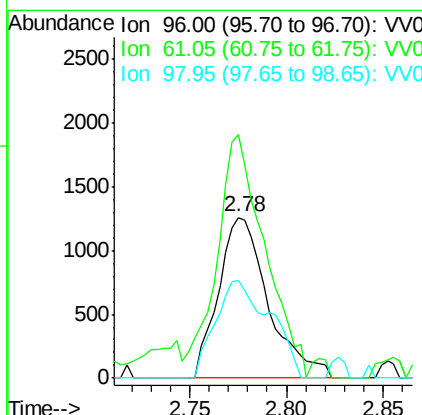
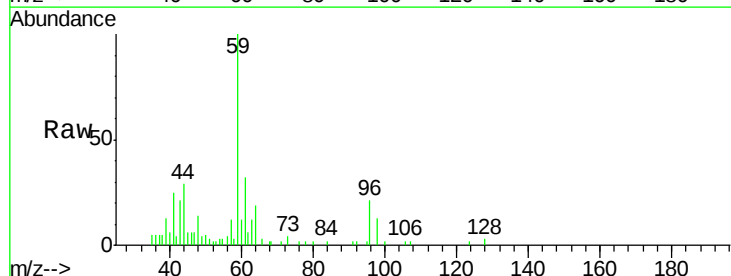
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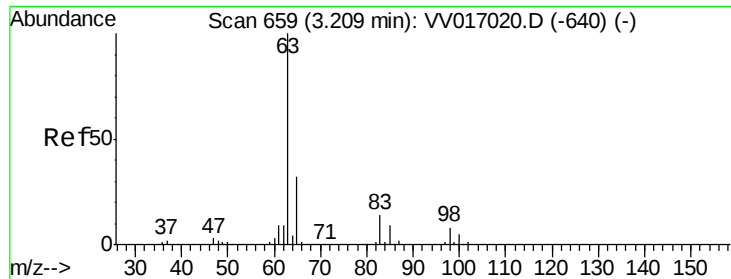
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#18
trans-1,2-Dichloroethene
Concen: 0.237 ug/L
RT: 2.78 min Scan# 524
Delta R.T. 0.00 min
Lab File: VV017041.D
Acq: 23 Jun 2020 00:57

Tgt Ion	96	Resp	2260
Ion	Ratio	Lower	Upper
96	100		
61	151.2	102.3	189.9
98	60.7	44.7	82.9





#19
 1,1-Dichloroethane
 Concen: 403.478 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV017041.D
 Acq: 23 Jun 2020 00:57

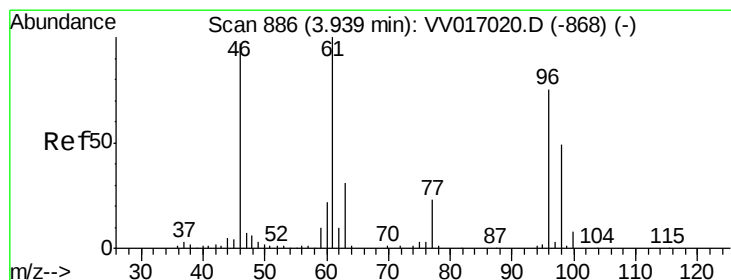
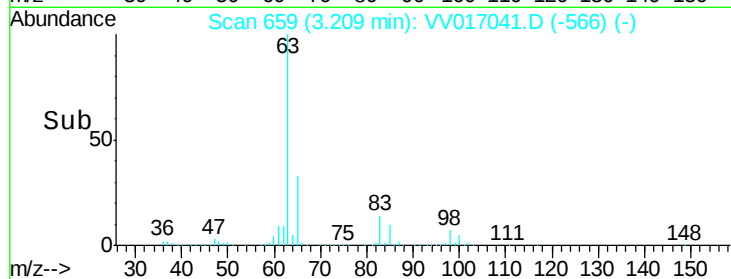
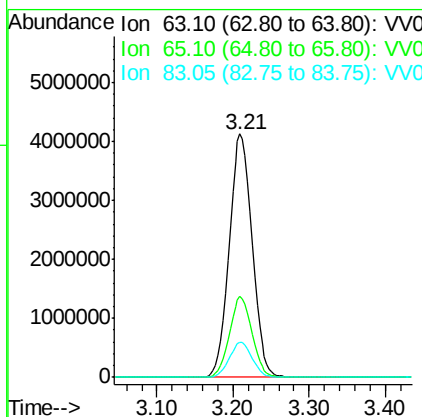
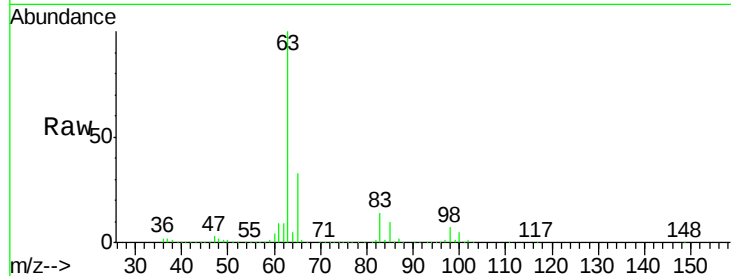
Instrument :
 MSVOA_V
 ClientSampled :
 BFXH7

Tot Ion: 63 Resp: 8654786

Ion	Ratio	Lower	Upper
63	100		
65	33.1	21.8	40.4
83	14.4	9.7	17.9

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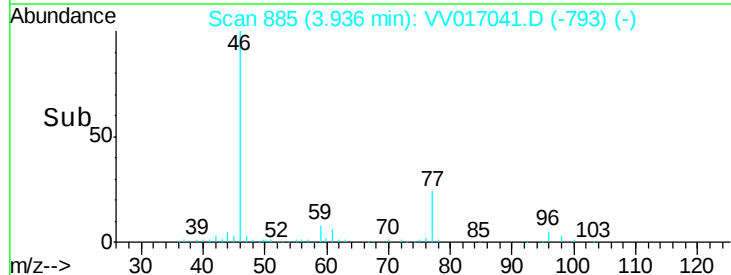
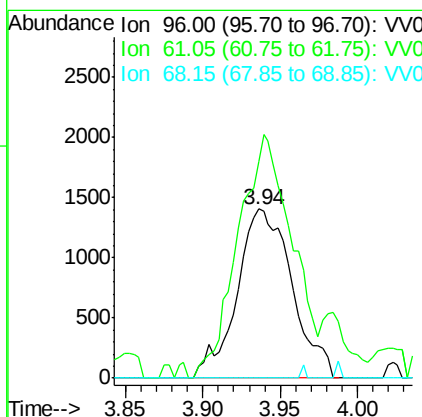
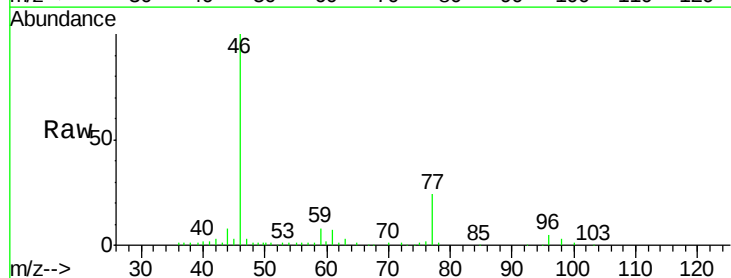
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 6/24/2020 8:57:52 AM

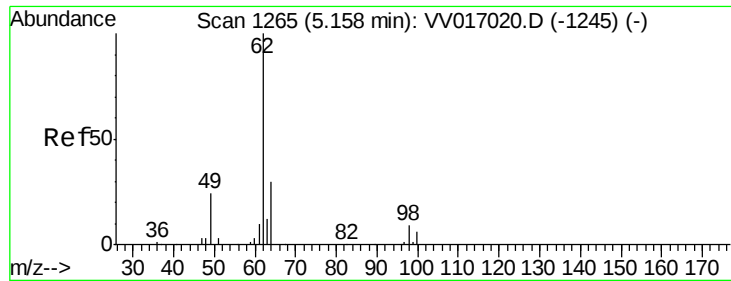


#22
 cis-1,2-Dichloroethene
 Concen: 0.266 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV017041.D
 Acq: 23 Jun 2020 00:57

Tgt Ion: 96 Resp: 3471

Ion	Ratio	Lower	Upper
96	100		
61	128.5	91.0	169.0
68	0.0	0.0	0.0





#27

1,2-Dichloroethane

Concen: 1.023 ug/L

RT: 5.16 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VV017041.D

Acq: 23 Jun 2020 00:57

Instrument :

MSVOA_V

ClientSampleId :

BFXH7

Tot Ion: 62 Resp: 14898

Ion Ratio Lower Upper

62 100

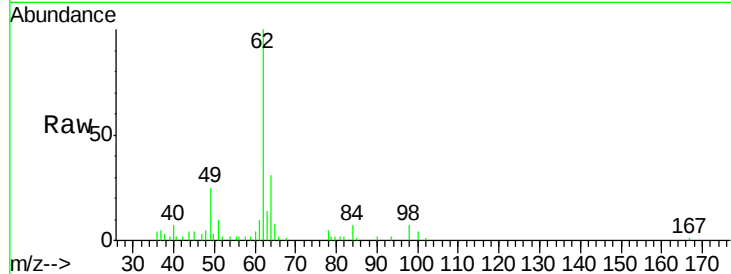
98 7.5 6.7 10.1

Manual Integrations

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Abundance Ion 62.00 (61.70 to 62.70): VV017041.D (-1172) (-)

Ion 98.05 (97.75 to 98.75): VV017041.D (-1172) (-)

5.16

8000

6000

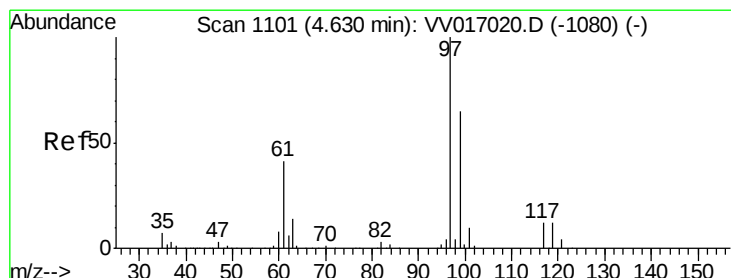
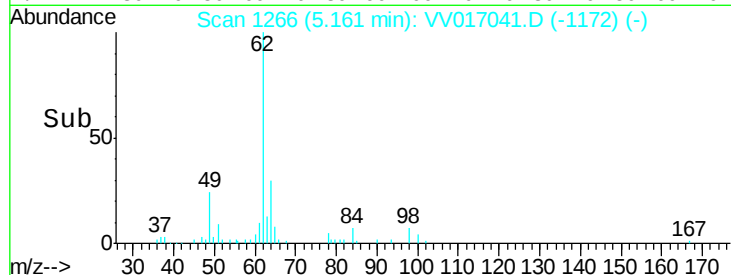
4000

2000

0

5.10 5.20

Time-->



#29

1,1,1-Trichloroethane

Concen: 0.288 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV017041.D

Acq: 23 Jun 2020 00:57

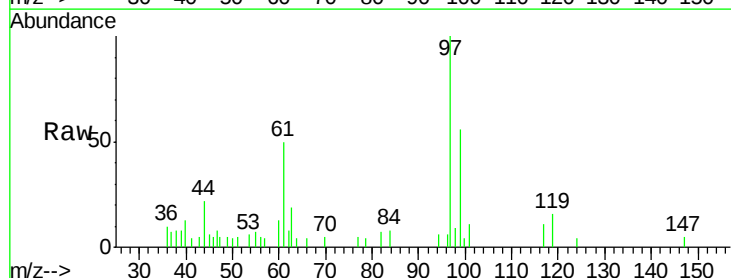
Tgt Ion: 97 Resp: 6159

Ion Ratio Lower Upper

97 100

99 35.7 50.3 75.5#

61 49.1 36.0 54.0



Abundance Ion 96.95 (96.65 to 97.65): VV017041.D (-1008) (-)

Ion 99.05 (98.75 to 99.75): VV017041.D (-1008) (-)

Ion 61.05 (60.75 to 61.75): VV017041.D (-1008) (-)

4.63

3000

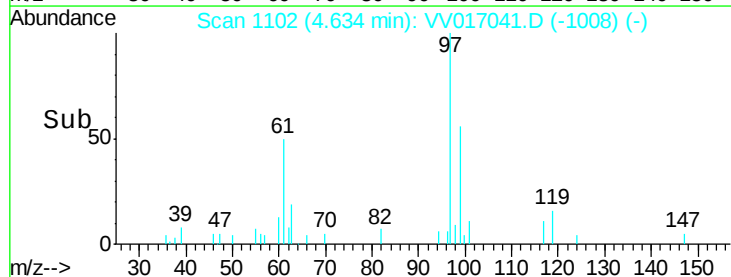
2000

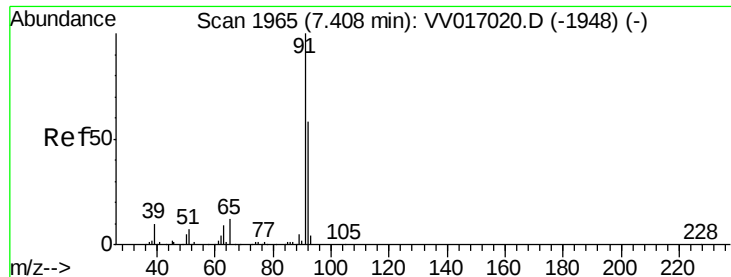
1000

0

4.55 4.60 4.65 4.70

Time-->





#42

Toluene

Concen: 0.157 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV017041.D

Acq: 23 Jun 2020 00:57

Instrument :

MSVOA_V

ClientSampleId :

BFXH7

Tot Ion: 91 Resp: 8503

Ion Ratio Lower Upper

91 100

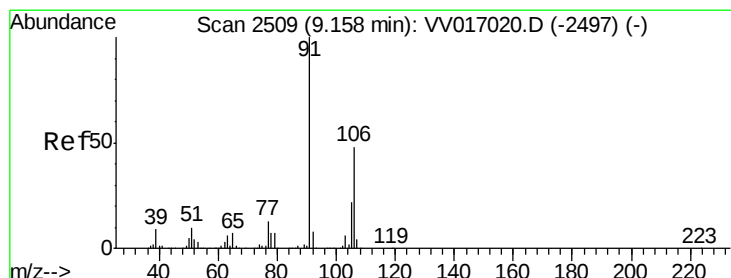
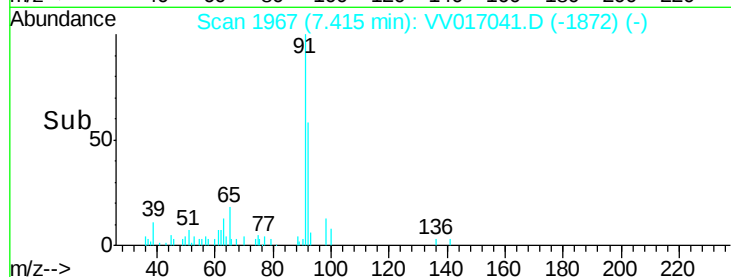
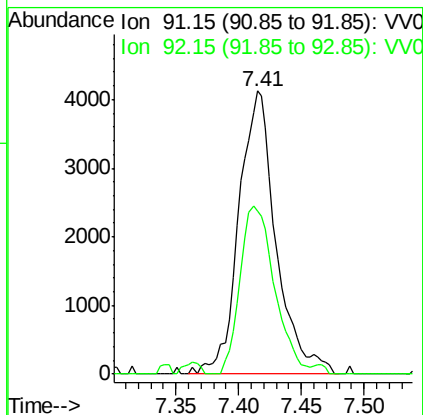
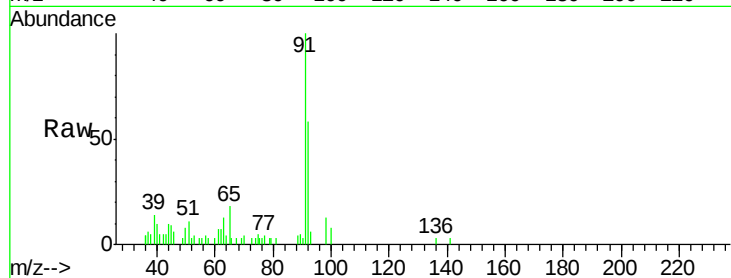
92 57.8 39.9 74.1

Manual Integrations

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#55

m,p-xylene

Concen: 0.178 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV017041.D

Acq: 23 Jun 2020 00:57

Tgt Ion: 106 Resp: 4037

Ion Ratio Lower Upper

106 100

91 164.6 142.7 264.9

