

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR112018\
 Data File : VR026241.D
 Acq On : 20 Nov 2018 22:42
 Operator : SY/MD
 Sample : J6026-02
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 H0FK1

Manual Integrations
 APPROVED

Quant Time: Nov 21 10:26:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112018WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 21 03:23:51 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	567442	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	467144	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	146811	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.17	65	211664	4.90	ug/L	0.02	MMDadoda
Spiked Amount 5.000	Range 40 - 130		Recovery =	98.00%			
7) Chloroethane-d5	2.62	69	199249	5.13	ug/L	0.00	
Spiked Amount 5.000	Range 65 - 130		Recovery =	102.60%			
11) 1,1-Dichloroethene-d2	3.61	63	421619	3.84	ug/L	0.00	11/21/2018 5:40:10 PM
Spiked Amount 5.000	Range 60 - 125		Recovery =	76.80%			
20) 2-Butanone-d5	6.59	46	198744	49.60	ug/L	0.00	
Spiked Amount 50.000	Range 40 - 130		Recovery =	99.20%			
24) Chloroform-d	7.20	84	387419	4.57	ug/L	0.00	
Spiked Amount 5.000	Range 70 - 125		Recovery =	91.40%			
26) 1,2-Dichloroethane-d4	7.90	65	155906	4.73	ug/L	0.00	
Spiked Amount 5.000	Range 70 - 130		Recovery =	94.60%			
32) Benzene-d6	7.85	84	776386	4.78	ug/L	0.00	
Spiked Amount 5.000	Range 70 - 125		Recovery =	95.60%			
36) 1,2-Dichloropropane-d6	8.90	67	205823	5.04	ug/L	0.00	
Spiked Amount 5.000	Range 60 - 140		Recovery =	100.80%			
41) Toluene-d8	9.97	98	710464	4.71	ug/L	0.00	
Spiked Amount 5.000	Range 70 - 130		Recovery =	94.20%			
43) trans-1,3-Dichloropropene-	10.24	79	48801	4.38	ug/L	0.00	
Spiked Amount 5.000	Range 55 - 130		Recovery =	87.60%			
46) 2-Hexanone-d5	10.59	63	142882	55.31	ug/L	0.00	
Spiked Amount 50.000	Range 45 - 130		Recovery =	110.62%			
57) 1,1,2,2-Tetrachloroethane-	12.36	84	75772	4.56	ug/L	0.00	
Spiked Amount 5.000	Range 65 - 120		Recovery =	91.20%			
64) 1,2-Dichlorobenzene-d4	13.52	152	135128	5.34	ug/L	0.00	
Spiked Amount 5.000	Range 80 - 120		Recovery =	106.80%			

Target Compounds

					Qvalue
5) Vinyl chloride	2.18	62	495732	9.878 ug/L	98
17) Methyl tert-butyl Ether	4.89	73	409256	8.312 ug/L	98
18) trans-1,2-Dichloroethene	4.89	96	338919	7.748 ug/L	93
19) 1,1-Dichloroethane	5.69	63	67941	0.865 ug/L	95
22) cis-1,2-Dichloroethene	6.68	96	4325624	109.732 ug/L #	94
33) Benzene	7.91	78	52798m	0.309 ug/L	
34) Trichloroethene	8.71	95	2968163	65.653 ug/L	94
47) Tetrachloroethene	10.51	164	37521	1.130 ug/L	97

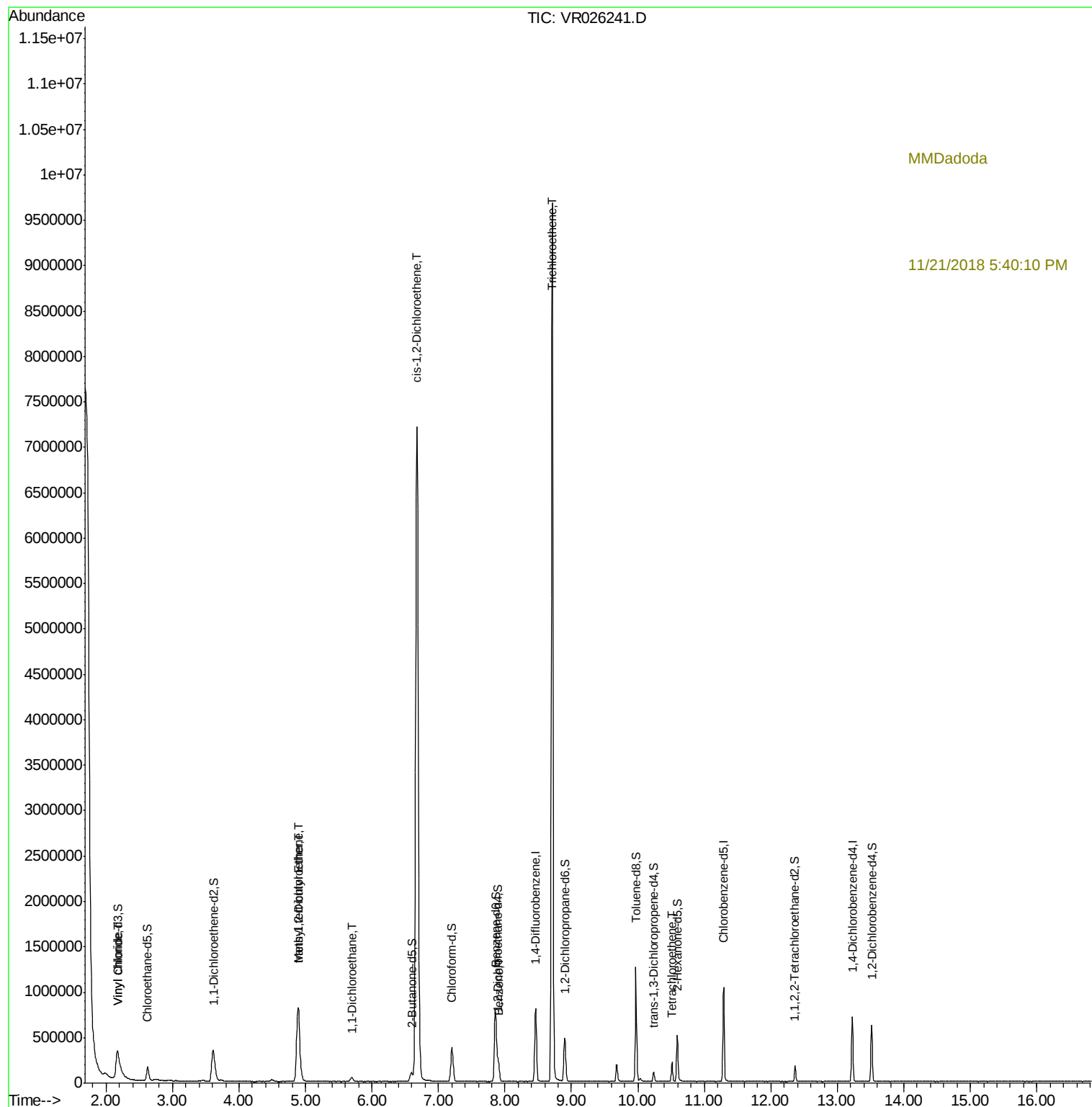
(#) = qualifier out of range (m) = manual integration (+) = signals summed

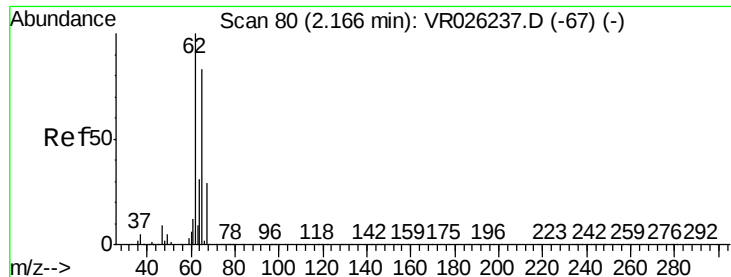
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_R\DATA\VR112018\
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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 21 03:23:51 2018
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 9.878 ug/L

RT: 2.18 min Scan# 82

Delta R.T. 0.01 min

Lab File: VR026241.D

Acq: 20 Nov 2018 22:42

Instrument :

MSVOA_R

ClientSampleId :

H0FK1

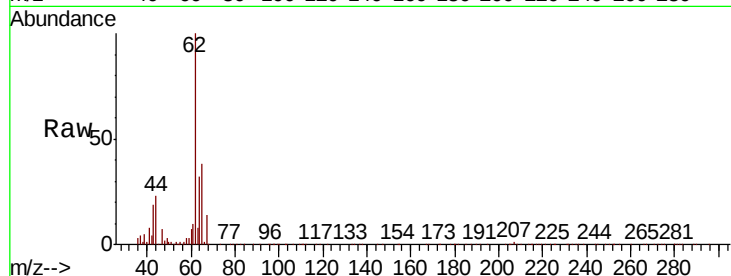
Tgt Ion: 62 Resp: 495732

Ion Ratio Lower Upper

62 100

64 31.6 21.3 39.5

Manual Integrations
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Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 64.10 (63.80 to 64.80): VR0

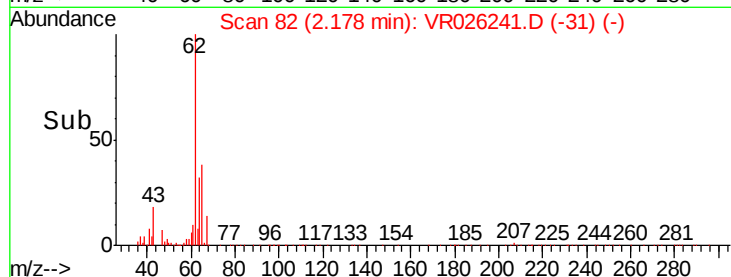
2.18

100000

50000

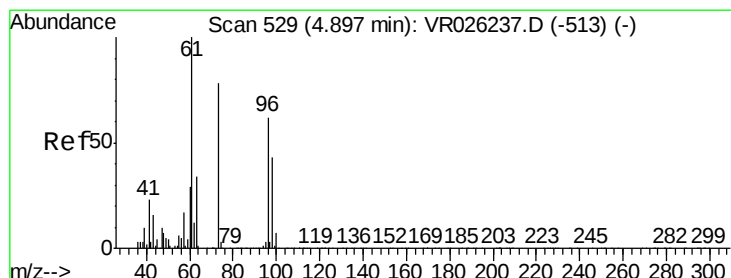
0

Time-->



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#17

Methyl tert-butyl Ether

Concen: 8.312 ug/L

RT: 4.89 min Scan# 528

Delta R.T. -0.01 min

Lab File: VR026241.D

Acq: 20 Nov 2018 22:42

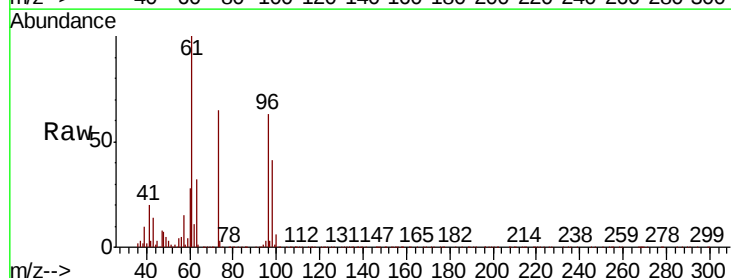
Tgt Ion: 73 Resp: 409256

Ion Ratio Lower Upper

73 100

43 22.0 19.0 28.4

57 23.1 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VR0

Ion 43.05 (42.75 to 43.75): VR0

Ion 57.10 (56.80 to 57.80): VR0

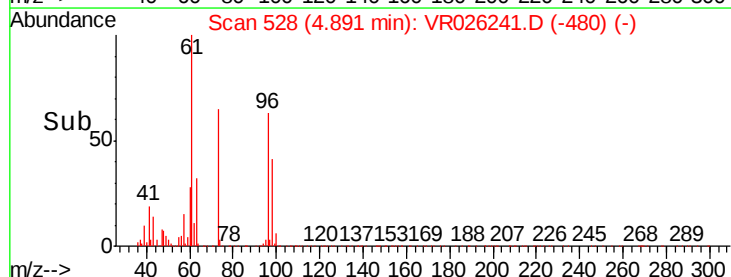
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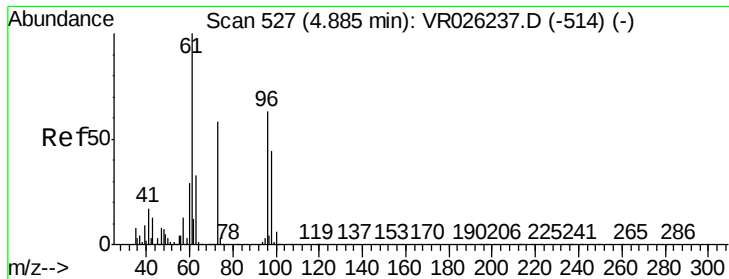
100000

50000

0

Time-->





#18

trans-1,2-Dichloroethene

Concen: 7.748 ug/L

RT: 4.89 min Scan# 528

Delta R.T. 0.01 min

Lab File: VR026241.D

Acq: 20 Nov 2018 22:42

Instrument :

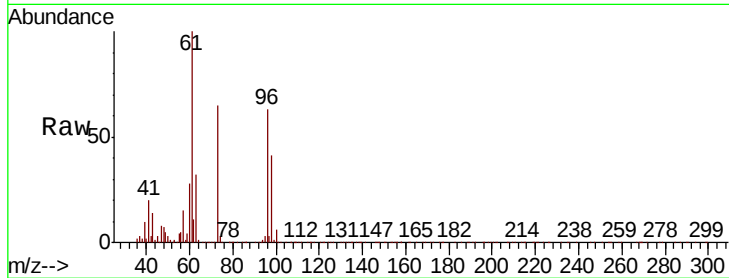
MSVOA_R

ClientSampleId :

H0FK1

Tgt Ion:	96	Resp:	338919
Ion	Ratio	Lower	Upper
96	100		
61	159.4	105.4	195.8
98	64.5	42.1	78.1

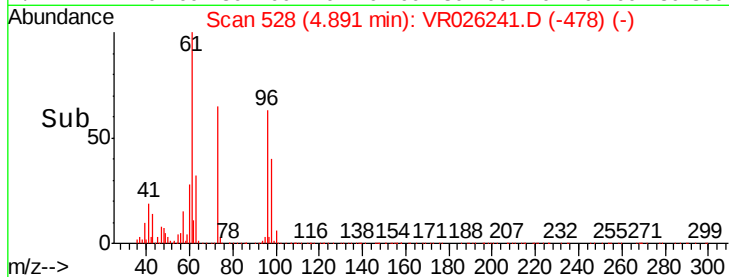
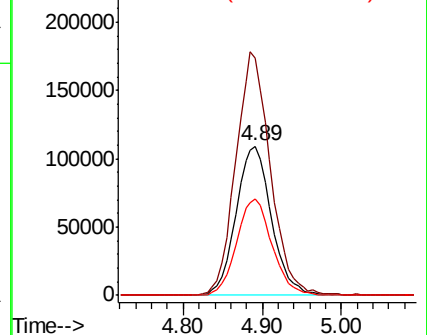
Manual Integrations
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Abundance Ion 96.00 (95.70 to 96.70): VR0

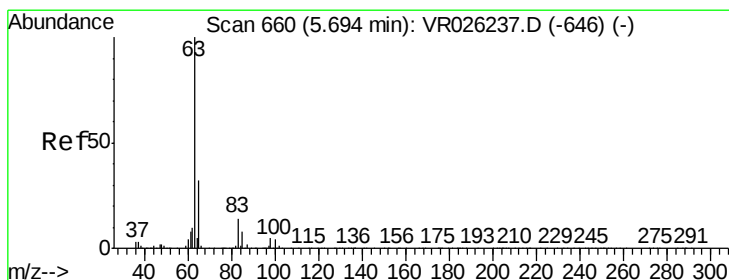
Ion 61.05 (60.75 to 61.75): VR0

Ion 97.95 (97.65 to 98.65): VR0



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#19

1,1-Dichloroethane

Concen: 0.865 ug/L

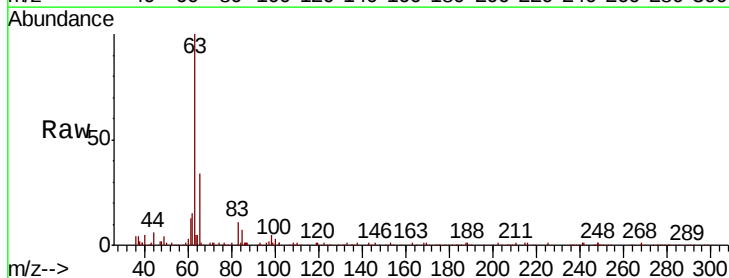
RT: 5.69 min Scan# 660

Delta R.T. 0.00 min

Lab File: VR026241.D

Acq: 20 Nov 2018 22:42

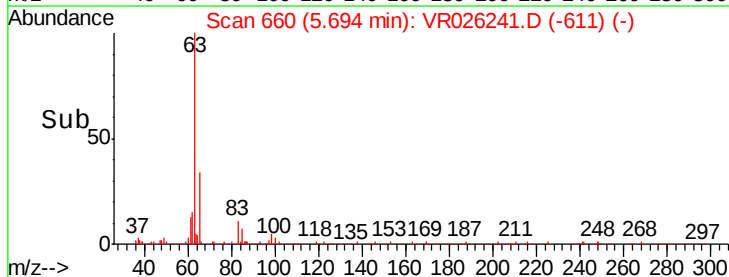
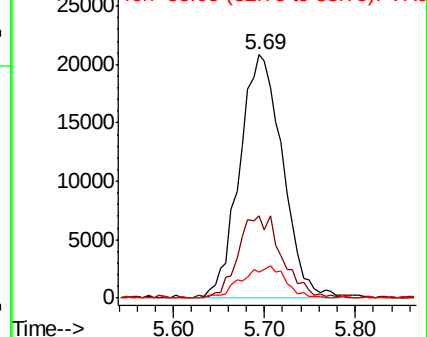
Tgt Ion:	63	Resp:	67941
Ion	Ratio	Lower	Upper
63	100		
65	32.0	21.1	39.3
83	10.3	9.9	18.5

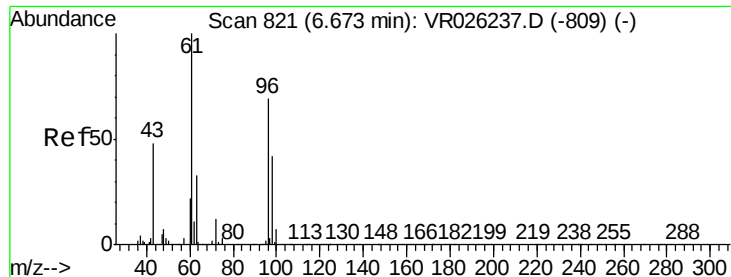


Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 65.10 (64.80 to 65.80): VR0

Ion 83.05 (82.75 to 83.75): VR0





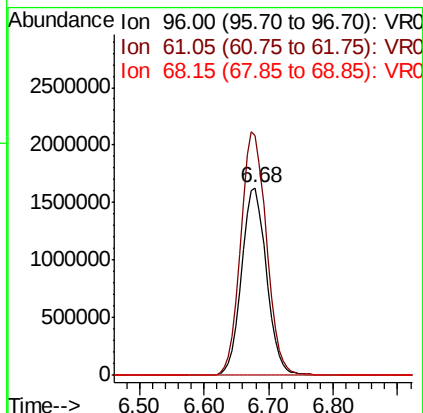
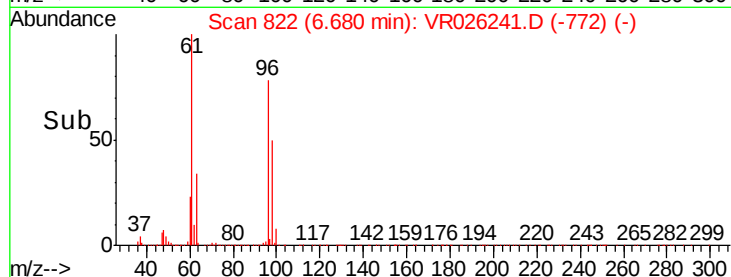
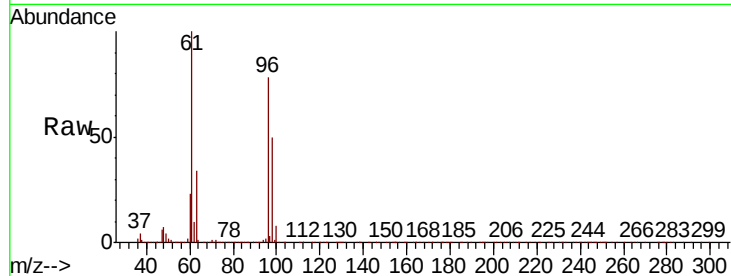
#22

cis-1,2-Dichloroethene
Concen: 109.732 ug/L
RT: 6.68 min Scan# 822
Delta R.T. 0.01 min
Lab File: VR026241.D
Acq: 20 Nov 2018 22:42

Instrument :
MSVOA_R
ClientSampled :
H0FK1

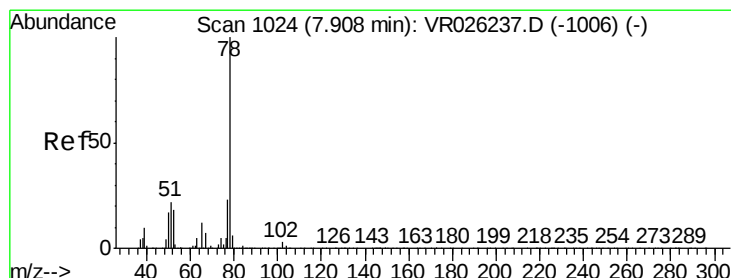
Tgt Ion: 96 Resp: 4325624
Ion Ratio Lower Upper
96 100
61 128.2 94.8 176.2
68 0.0 0.0 0.0#

Manual Integrations
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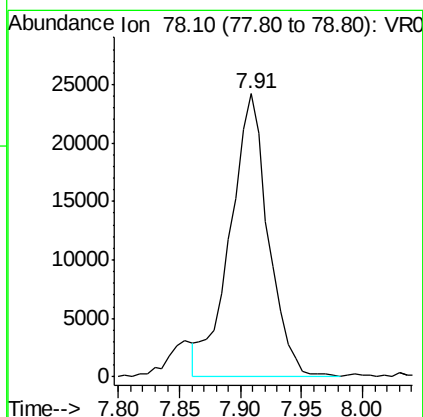
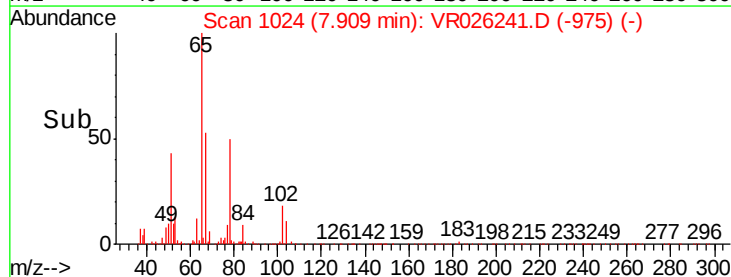
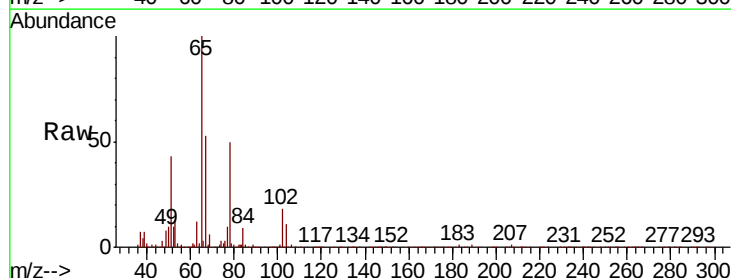
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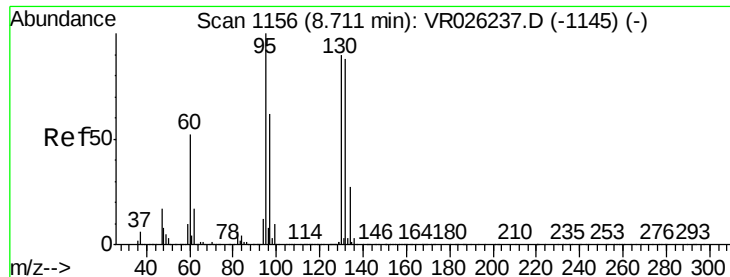


#33

Benzene
Concen: 0.309 ug/L m
RT: 7.91 min Scan# 1024
Delta R.T. 0.00 min
Lab File: VR026241.D
Acq: 20 Nov 2018 22:42

Tgt Ion: 78 Resp: 52798



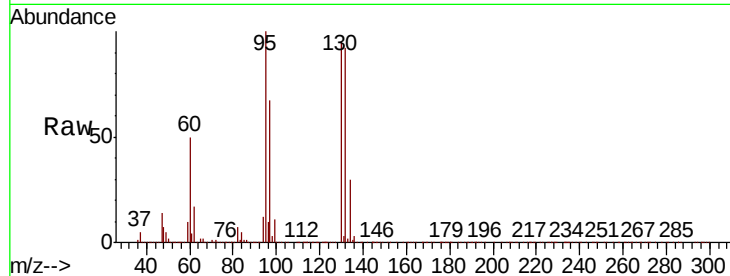


#34
 Trichloroethene
 Concen: 65.653 ug/L
 RT: 8.71 min Scan# 1156
 Delta R.T. 0.00 min
 Lab File: VR026241.D
 Acq: 20 Nov 2018 22:42

Instrument :
 MSVOA_R
 ClientSampled :
 H0FK1

Tgt Ion	Ratio	Lower	Upper
95	100		
97	66.9	45.1	83.7
132	92.1	59.8	111.0
130	94.8	61.4	114.0

Manual Integrations
 APPROVED



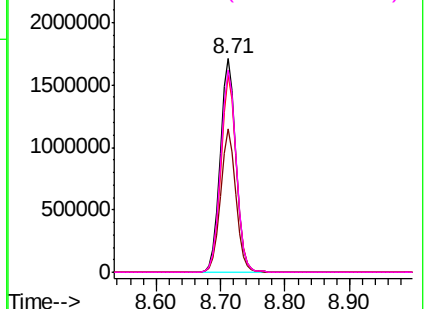
Abundance

Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

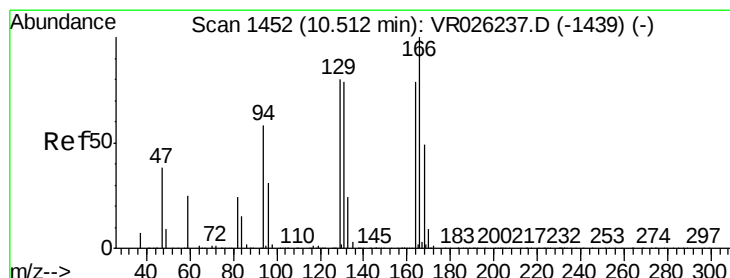
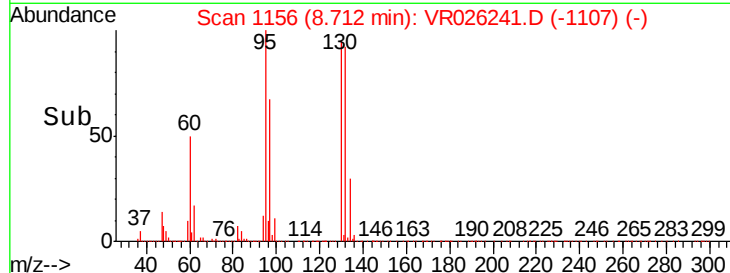
Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



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#47
 Tetrachloroethene
 Concen: 1.130 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: VR026241.D
 Acq: 20 Nov 2018 22:42

Tgt Ion	Ratio	Lower	Upper
164	100		
129	104.8	74.6	138.6
131	103.4	69.8	129.6
166	131.5	94.5	175.5

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

