

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR112018\
 Data File : VR026244.D
 Acq On : 21 Nov 2018 00:20
 Operator : SY/MD
 Sample : J6026-05
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 H0FK4

Quant Time: Nov 21 03:56:58 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	554288	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	456264	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	147218	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.17	65	196706	4.66	ug/L	0.02
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.20%
7) Chloroethane-d5	2.63	69	188322	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.40%
11) 1,1-Dichloroethene-d2	3.61	63	400230	3.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.60%
20) 2-Butanone-d5	6.59	46	182323	46.58	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.16%
24) Chloroform-d	7.20	84	369236	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
26) 1,2-Dichloroethane-d4	7.90	65	141489	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.80%
32) Benzene-d6	7.86	84	709000	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
36) 1,2-Dichloropropane-d6	8.90	67	187402	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.00%
41) Toluene-d8	9.97	98	624622	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.80%
43) trans-1,3-Dichloropropene-	10.24	79	43315	3.98	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.60%
46) 2-Hexanone-d5	10.59	63	122792	48.67	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.34%
57) 1,1,2,2-Tetrachloroethane-	12.37	84	70402	4.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.60%
64) 1,2-Dichlorobenzene-d4	13.52	152	121335	4.79	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.80%

Target Compounds

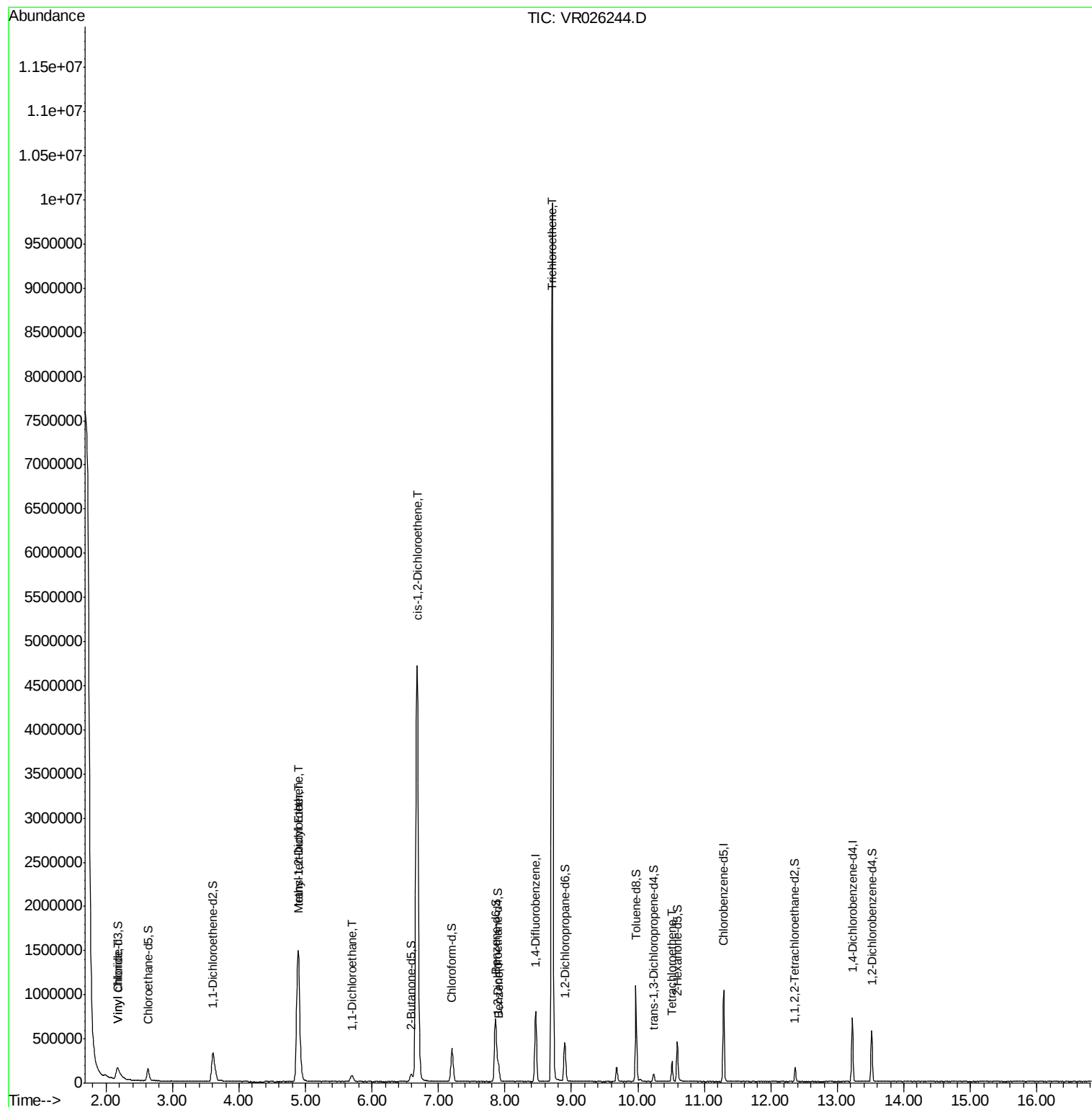
					Qvalue
5) Vinyl chloride	2.18	62	161130	3.287	ug/L 97
17) Methyl tert-butyl Ether	4.90	73	533037	11.083	ug/L 99
18) trans-1,2-Dichloroethene	4.89	96	706863	16.543	ug/L 97
19) 1,1-Dichloroethane	5.70	63	107540	1.402	ug/L 93
22) cis-1,2-Dichloroethene	6.68	96	2808447	72.935	ug/L 98
33) Benzene	7.91	78	47407	0.284	ug/L 100
34) Trichloroethene	8.71	95	3105948	70.339	ug/L 95
47) Tetrachloroethene	10.51	164	41886	1.292	ug/L 91

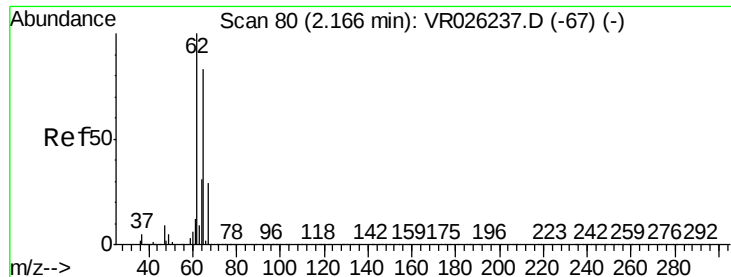
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 3.287 ug/L

RT: 2.18 min Scan# 83

Delta R.T. 0.02 min

Lab File: VR026244.D

Acq: 21 Nov 2018 00:20

Instrument :

MSVOA_R

ClientSampleId :

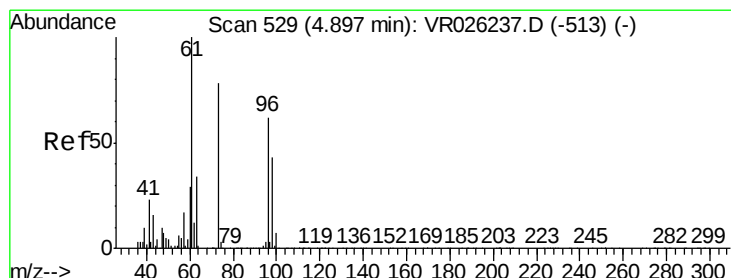
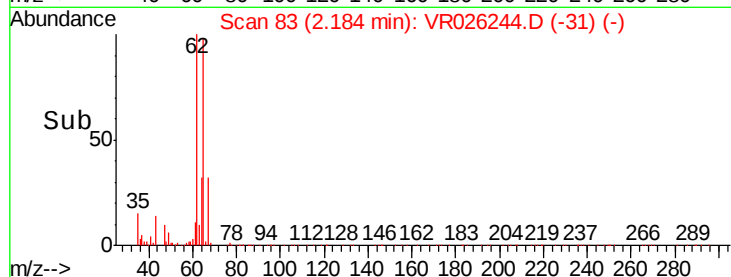
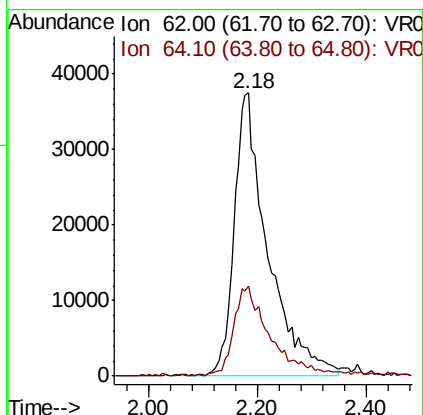
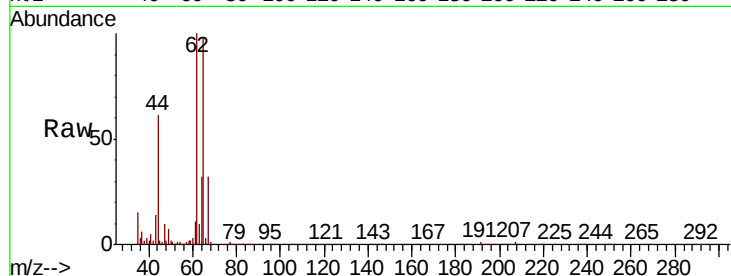
H0FK4

Tgt Ion: 62 Resp: 161130

Ion Ratio Lower Upper

62 100

64 31.9 21.3 39.5



#17

Methyl tert-butyl Ether

Concen: 11.083 ug/L

RT: 4.90 min Scan# 530

Delta R.T. 0.01 min

Lab File: VR026244.D

Acq: 21 Nov 2018 00:20

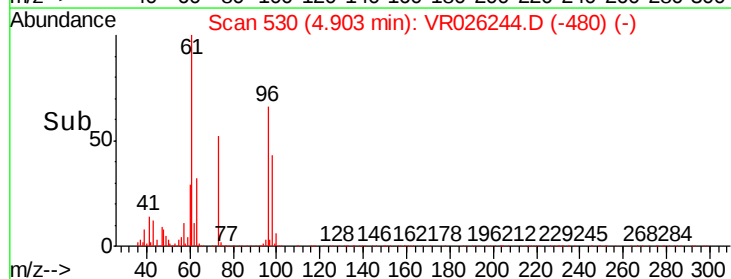
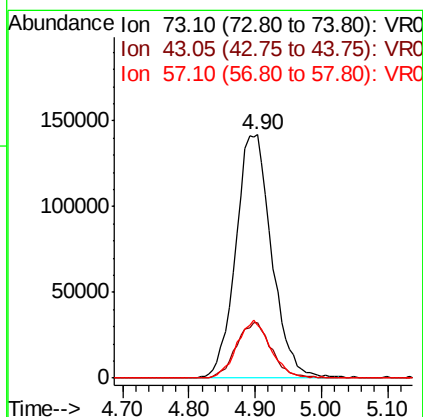
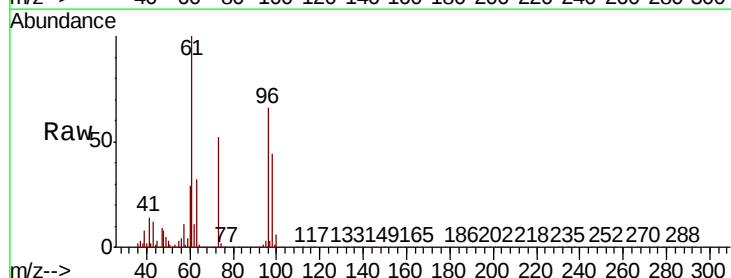
Tgt Ion: 73 Resp: 533037

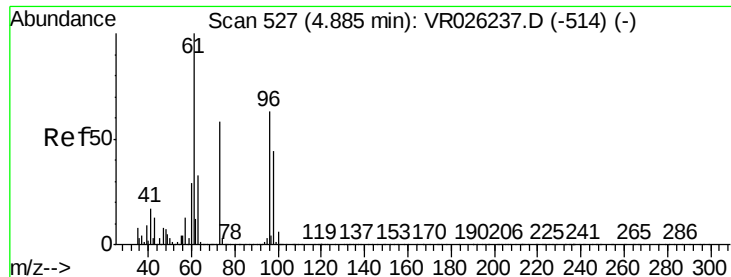
Ion Ratio Lower Upper

73 100

43 22.5 19.0 28.4

57 22.2 17.9 26.9





#18

trans-1,2-Dichloroethene

Concen: 16.543 ug/L

RT: 4.89 min Scan# 527

Delta R.T. 0.00 min

Lab File: VR026244.D

Acq: 21 Nov 2018 00:20

Instrument :

MSVOA_R

ClientSampleId :

H0FK4

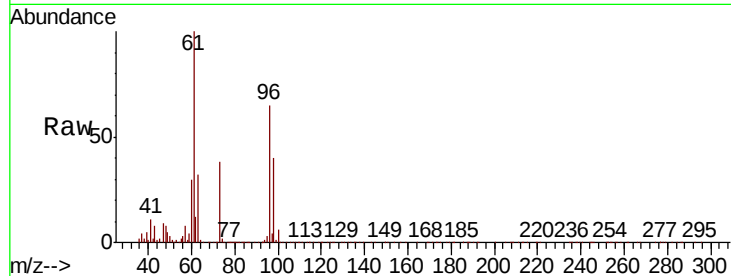
Tgt Ion: 96 Resp: 706863

Ion Ratio Lower Upper

96 100

61 154.6 105.4 195.8

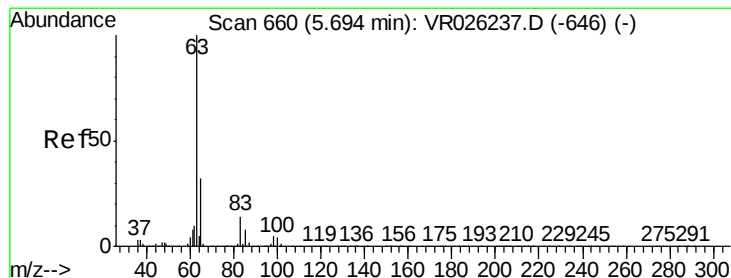
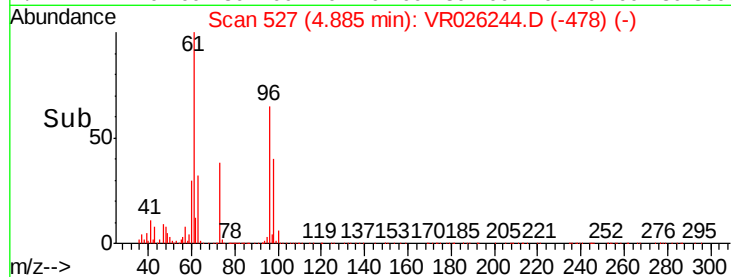
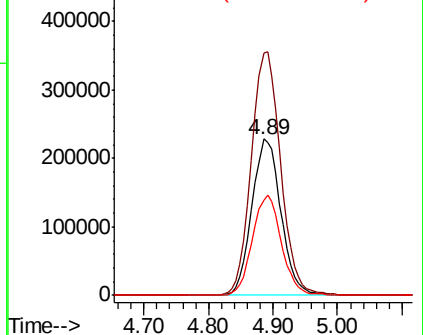
98 61.2 42.1 78.1



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



#19

1,1-Dichloroethane

Concen: 1.402 ug/L

RT: 5.70 min Scan# 661

Delta R.T. 0.01 min

Lab File: VR026244.D

Acq: 21 Nov 2018 00:20

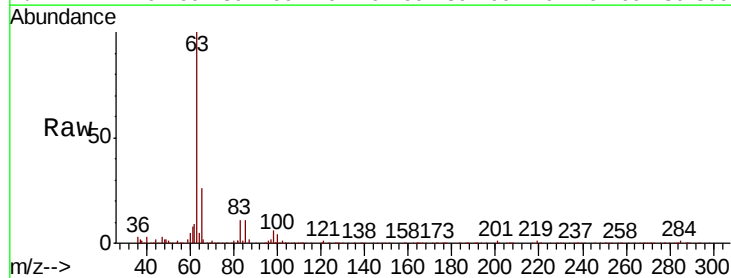
Tgt Ion: 63 Resp: 107540

Ion Ratio Lower Upper

63 100

65 26.4 21.1 39.3

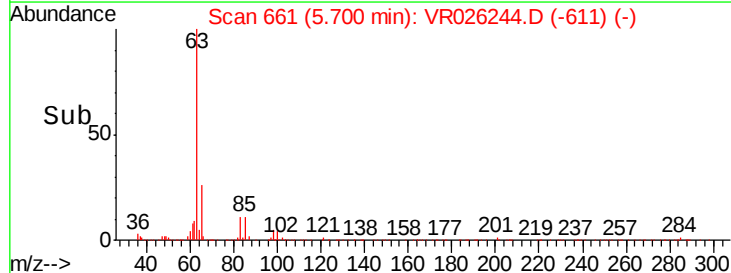
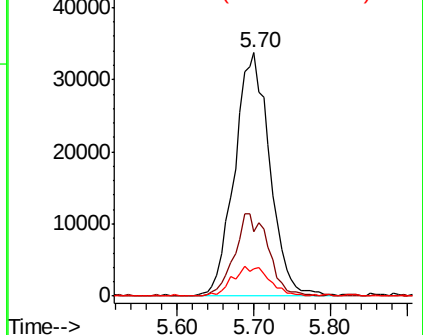
83 11.2 9.9 18.5

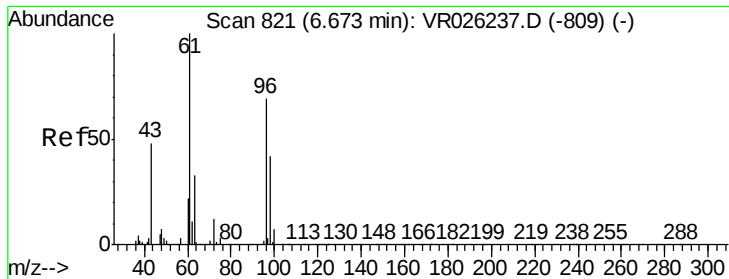


Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 65.10 (64.80 to 65.80): VR0

Ion 83.05 (82.75 to 83.75): VR0



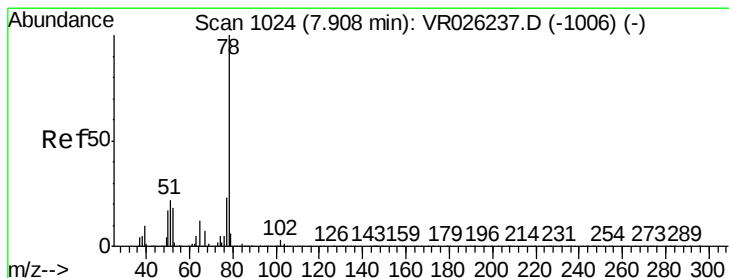
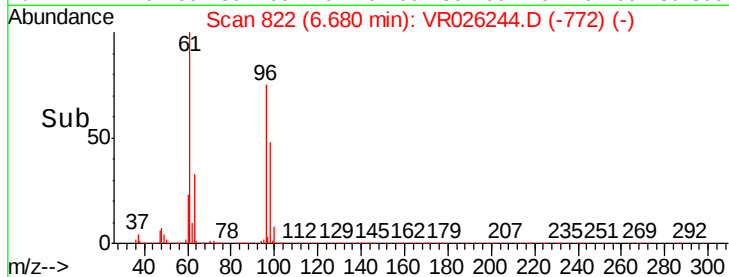
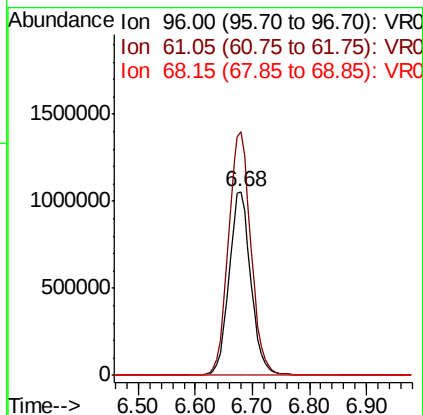
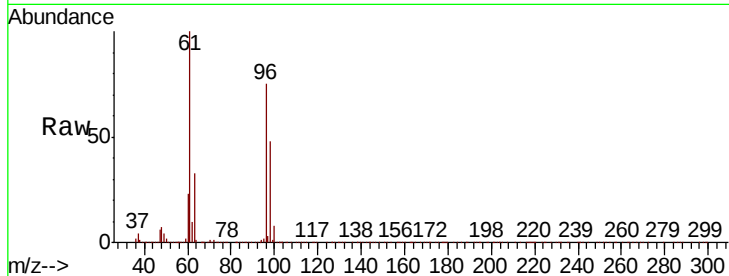


#22

cis-1,2-Dichloroethene
 Concen: 72.935 ug/L
 RT: 6.68 min Scan# 822
 Delta R.T. 0.01 min
 Lab File: VR026244.D
 Acq: 21 Nov 2018 00:20

Instrument :
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 H0FK4

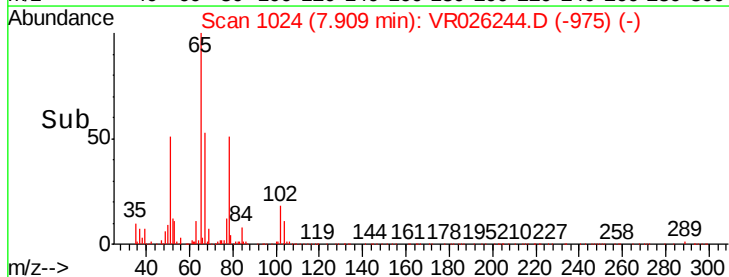
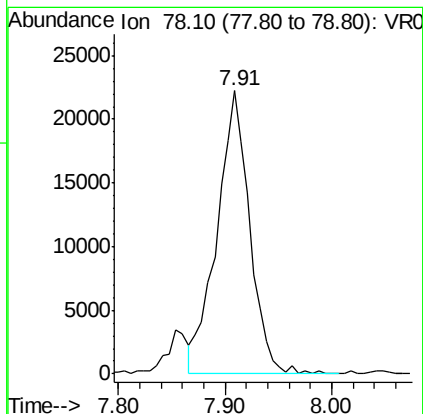
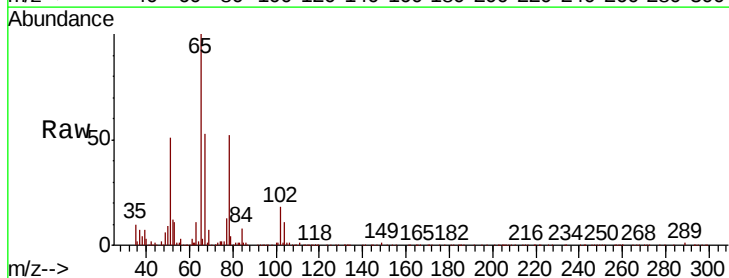
Tgt Ion: 96 Resp: 2808447
 Ion Ratio Lower Upper
 96 100
 61 132.6 94.8 176.2
 68 0.0 0.0 0.0

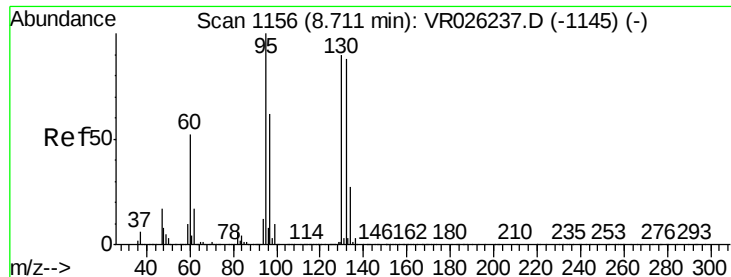


#33

Benzene
 Concen: 0.284 ug/L
 RT: 7.91 min Scan# 1024
 Delta R.T. 0.00 min
 Lab File: VR026244.D
 Acq: 21 Nov 2018 00:20

Tgt Ion: 78 Resp: 47407





#34

Trichloroethene

Concen: 70.339 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VR026244.D

Acq: 21 Nov 2018 00:20

Instrument :

MSVOA_R

ClientSampleId :

H0FK4

Tgt Ion: 95 Resp: 3105948

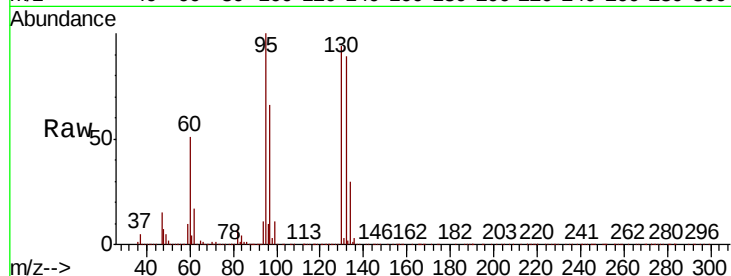
Ion Ratio Lower Upper

95 100

97 66.0 45.1 83.7

132 89.3 59.8 111.0

130 94.2 61.4 114.0

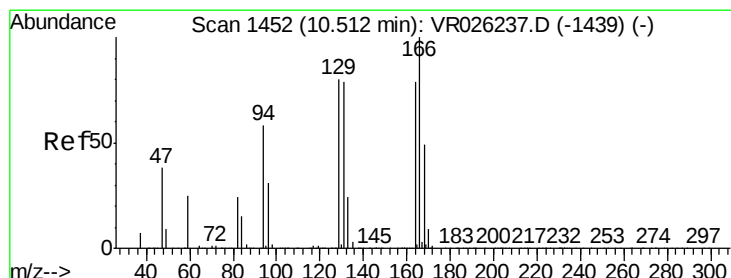
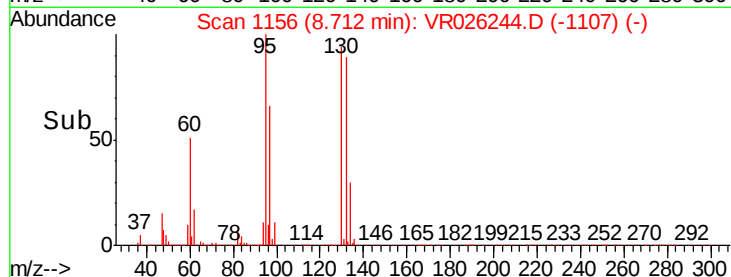
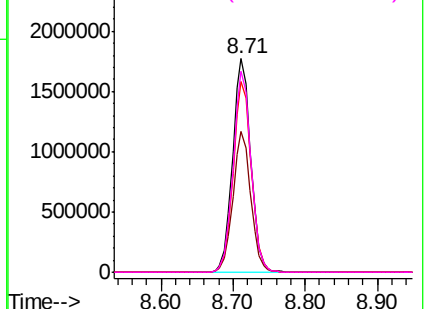


Abundance Ion 95.00 (94.70 to 95.70): VR0

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



#47

Tetrachloroethene

Concen: 1.292 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VR026244.D

Acq: 21 Nov 2018 00:20

Tgt Ion:164 Resp: 41886

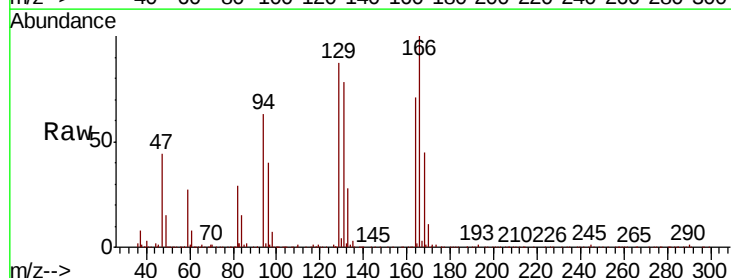
Ion Ratio Lower Upper

164 100

129 122.8 74.6 138.6

131 108.9 69.8 129.6

166 140.4 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

