

Data File : VR026247.D
Acq On : 21 Nov 2018 1:59
Operator : SY/MD
Sample : J6026-09
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
H0FL8

Quant Time: Nov 21 03:28:16 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	534265	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	446865	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	149867	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.17	65	221019	5.43	ug/L	0.02
Spiked Amount	5.000	Range	40 - 130	Recovery	=	108.60%
7) Chloroethane-d5	2.63	69	200823	5.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	110.00%
11) 1,1-Dichloroethene-d2	3.61	63	430758	4.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.40%
20) 2-Butanone-d5	6.59	46	207256	54.94	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.88%
24) Chloroform-d	7.20	84	395302	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
26) 1,2-Dichloroethane-d4	7.90	65	155654	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
32) Benzene-d6	7.85	84	773584	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
36) 1,2-Dichloropropane-d6	8.90	67	196814	5.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.80%
41) Toluene-d8	9.97	98	677217	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
43) trans-1,3-Dichloropropene-	10.24	79	46294	4.34	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.80%
46) 2-Hexanone-d5	10.59	63	140827	56.99	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.98%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	80749	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.60%
64) 1,2-Dichlorobenzene-d4	13.52	152	136230	5.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.60%

Target Compounds

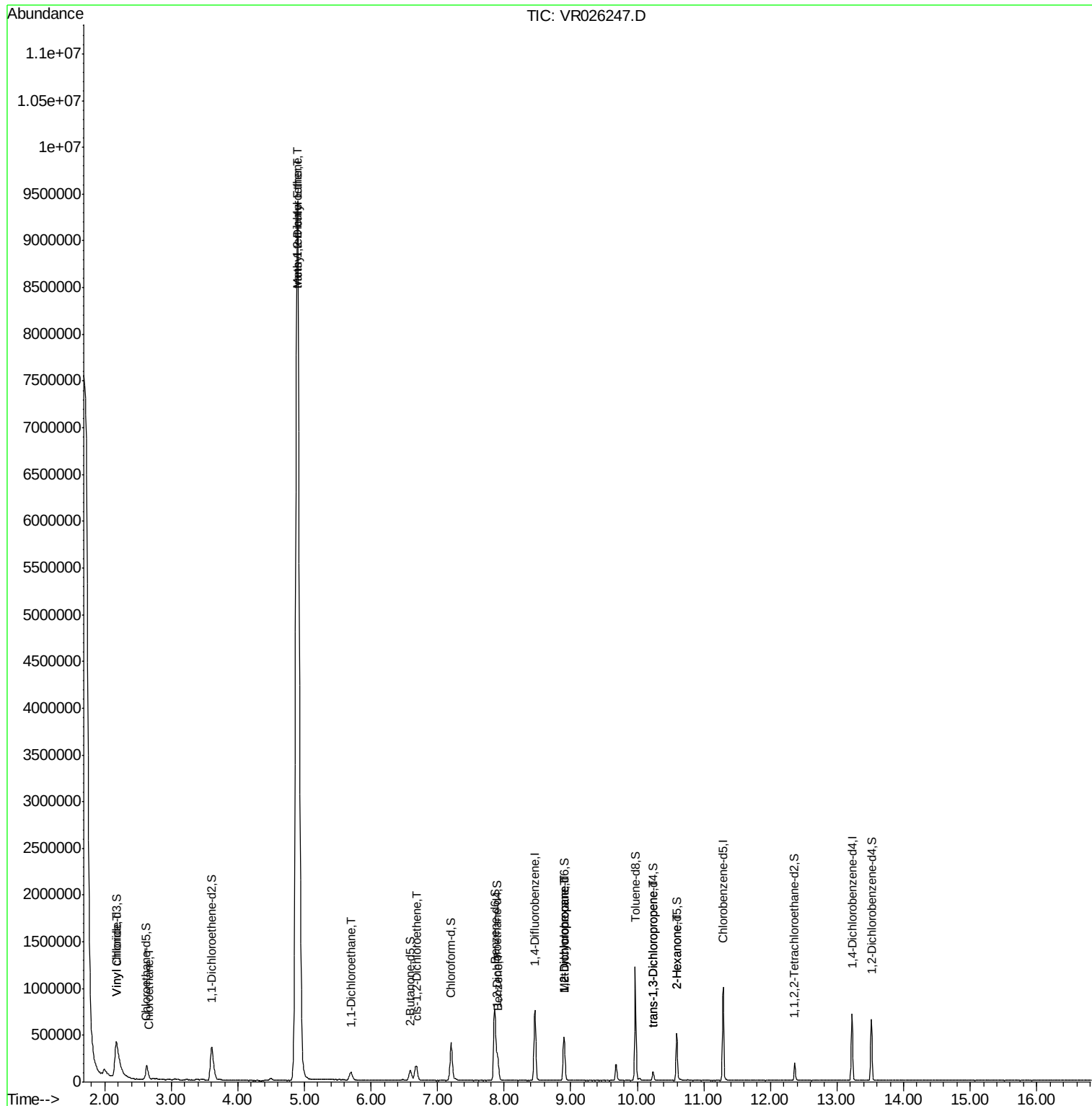
					Qvalue
5) Vinyl chloride	2.18	62	699330	14.801 ug/L	98
8) Chloroethane	2.66	64	12059	0.408 ug/L #	73
17) Methyl tert-butyl Ether	4.90	73	15331381	330.709 ug/L	97
18) trans-1,2-Dichloroethene	4.89	96	62782	1.524 ug/L	92
19) 1,1-Dichloroethane	5.70	63	128263	1.735 ug/L	96
22) cis-1,2-Dichloroethene	6.68	96	91363	2.462 ug/L #	87
33) Benzene	7.91	78	96635	0.592 ug/L	100
35) Methylcyclohexane	8.90	83	47880	0.831 ug/L #	17
37) 1,2-Dichloropropane	8.90	63	24849	0.735 ug/L #	89
44) trans-1,3-Dichloropropene	10.24	75	3153	0.119 ug/L	90
48) 2-Hexanone	10.59	43	21576	3.420 ug/L #	66

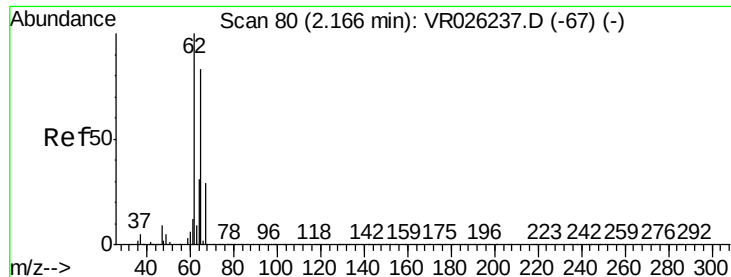
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 14.801 ug/L

RT: 2.18 min Scan# 82

Delta R.T. 0.01 min

Lab File: VR026247.D

Acq: 21 Nov 2018 1:59

Instrument :

MSVOA_R

ClientSampleId :

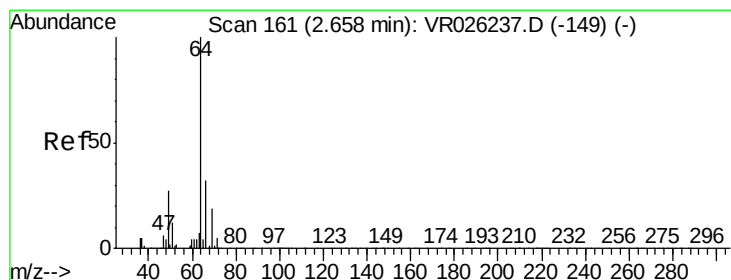
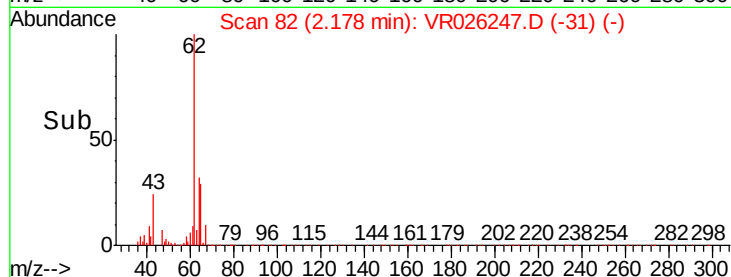
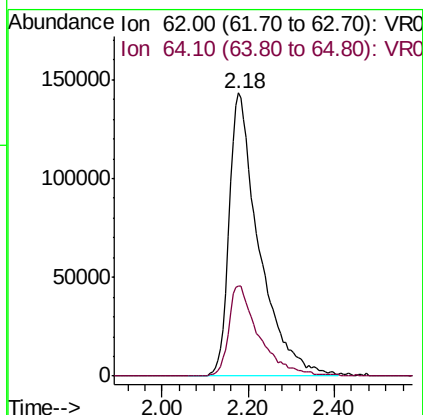
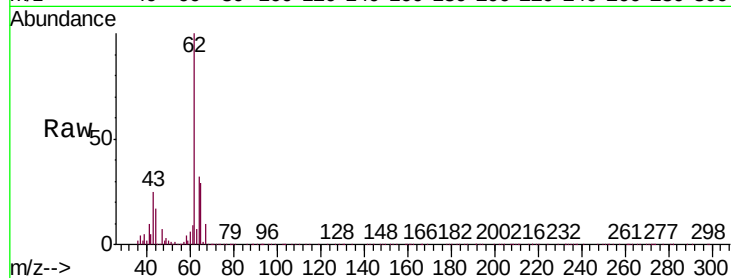
H0FL8

Tgt Ion: 62 Resp: 699330

Ion Ratio Lower Upper

62 100

64 31.7 21.3 39.5



#8

Chloroethane

Concen: 0.408 ug/L

RT: 2.66 min Scan# 162

Delta R.T. 0.01 min

Lab File: VR026247.D

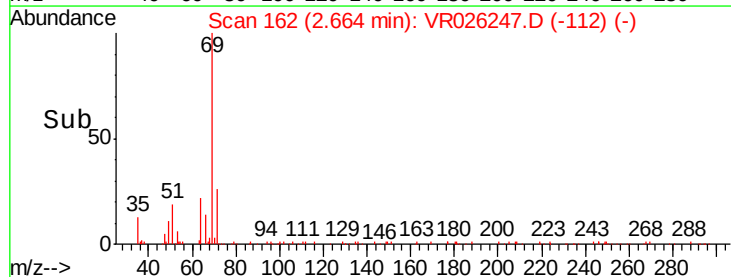
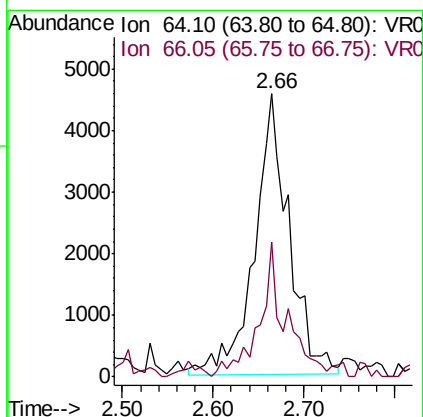
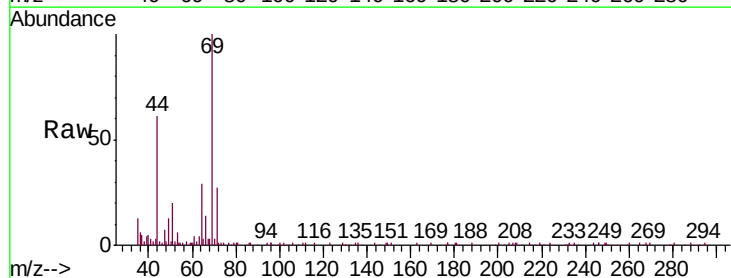
Acq: 21 Nov 2018 1:59

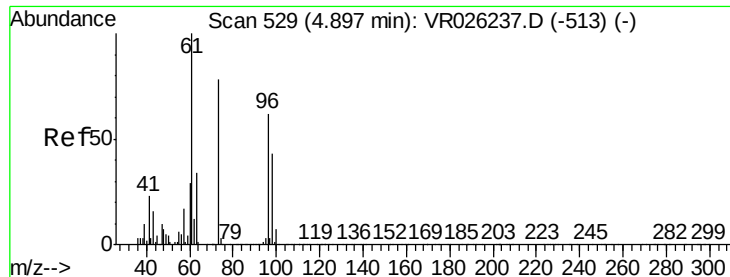
Tgt Ion: 64 Resp: 12059

Ion Ratio Lower Upper

64 100

66 47.6 22.7 42.3#

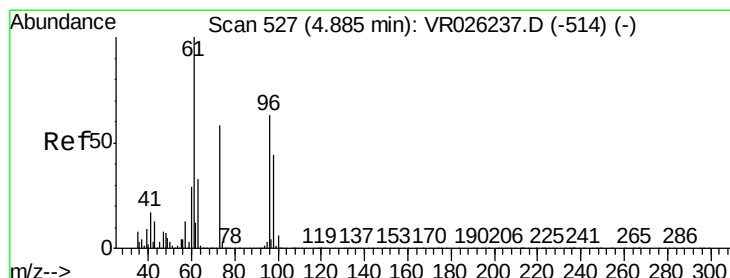
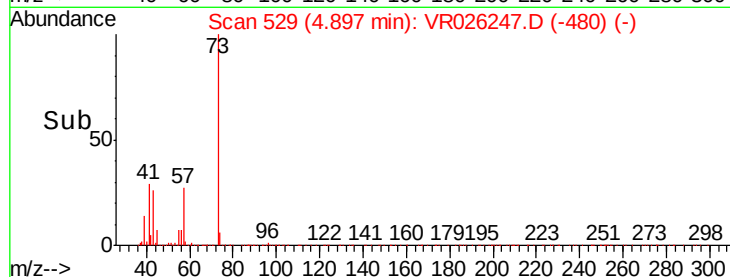
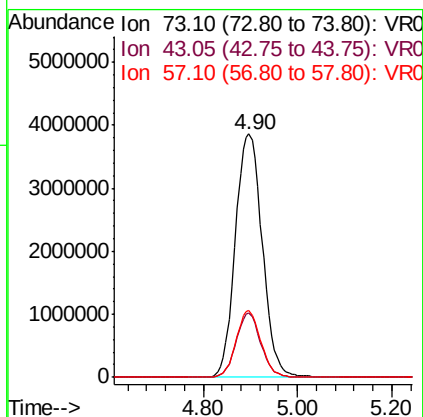
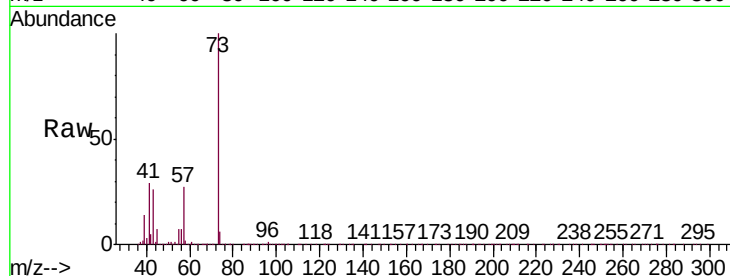




#17
Methyl tert-butyl Ether
Concen: 330.709 ug/L
RT: 4.90 min Scan# 529
Delta R.T. 0.00 min
Lab File: VR026247.D
Acq: 21 Nov 2018 1:59

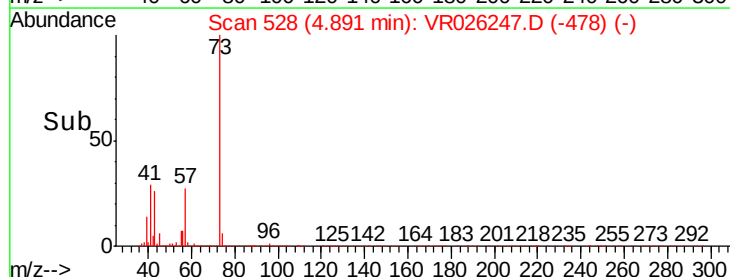
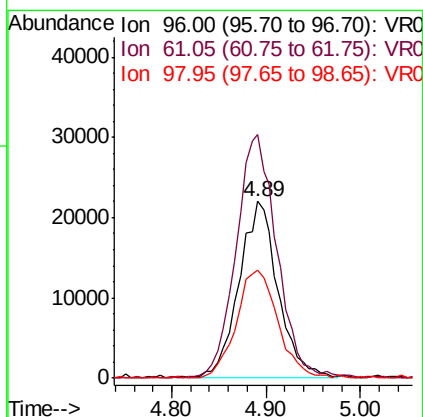
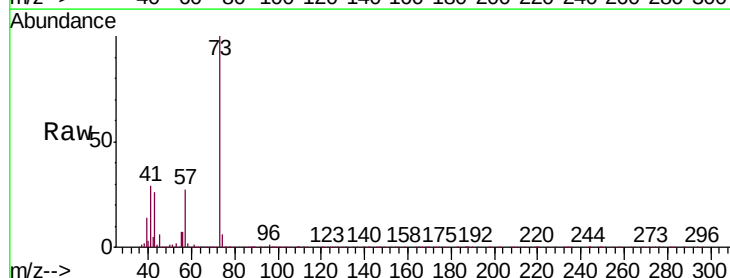
Instrument :
MSVOA_R
ClientSampleId :
H0FL8

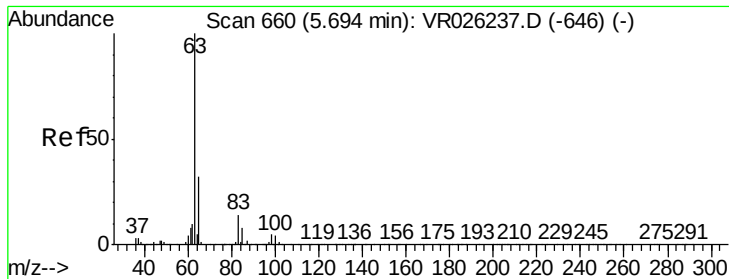
Tgt Ion: 73 Resp:15331381
Ion Ratio Lower Upper
73 100
43 24.3 19.0 28.4
57 25.2 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 1.524 ug/L
RT: 4.89 min Scan# 528
Delta R.T. 0.01 min
Lab File: VR026247.D
Acq: 21 Nov 2018 1:59

Tgt Ion: 96 Resp: 62782
Ion Ratio Lower Upper
96 100
61 137.6 105.4 195.8
98 61.3 42.1 78.1

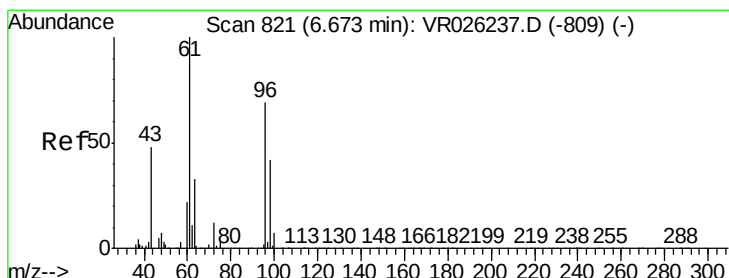
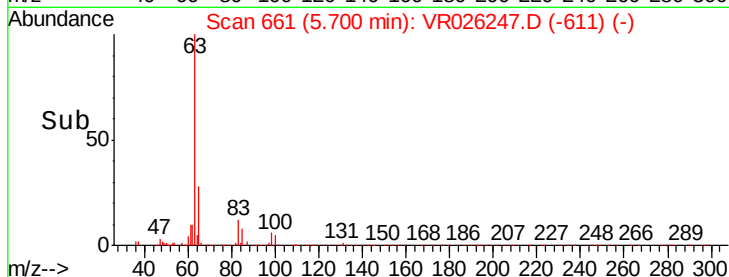
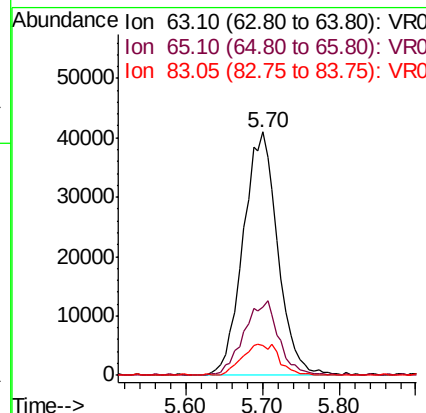
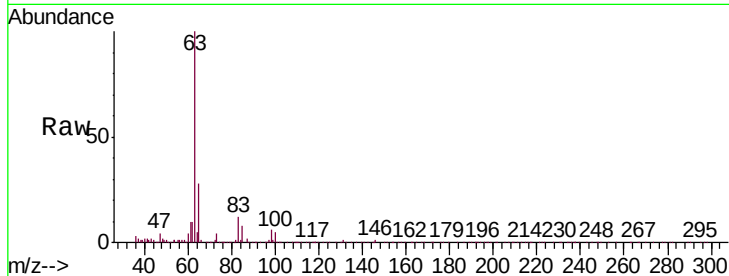




#19
 1,1-Dichloroethane
 Concen: 1.735 ug/L
 RT: 5.70 min Scan# 661
 Delta R.T. 0.01 min
 Lab File: VR026247.D
 Acq: 21 Nov 2018 1:59

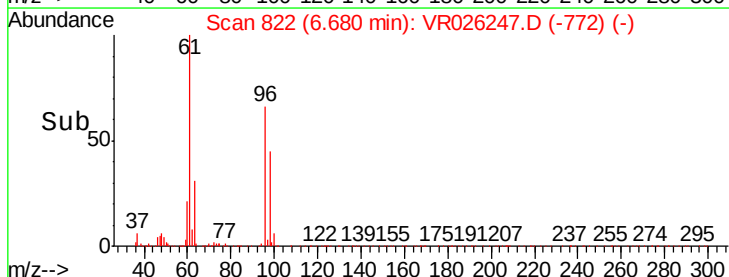
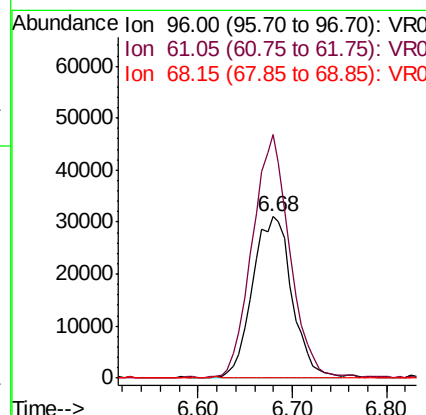
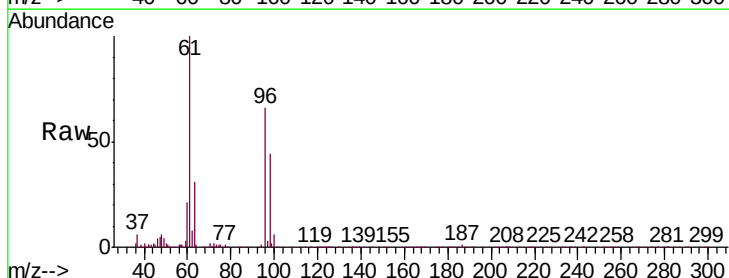
Instrument :
 MSVOA_R
 ClientSampled :
 H0FL8

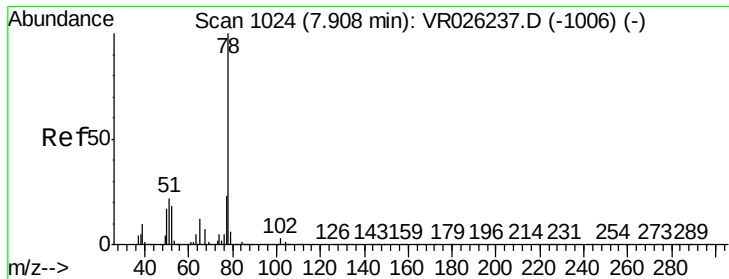
Tgt Ion	Ratio	Lower	Upper
63	100		
65	28.0	21.1	39.3
83	12.3	9.9	18.5



#22
 cis-1,2-Dichloroethene
 Concen: 2.462 ug/L
 RT: 6.68 min Scan# 822
 Delta R.T. 0.01 min
 Lab File: VR026247.D
 Acq: 21 Nov 2018 1:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.1	94.8	176.2
68	0.2	0.0	0.0#





#33

Benzene

Concen: 0.592 ug/L

RT: 7.91 min Scan# 1024

Delta R.T. 0.00 min

Lab File: VR026247.D

Acq: 21 Nov 2018 1:59

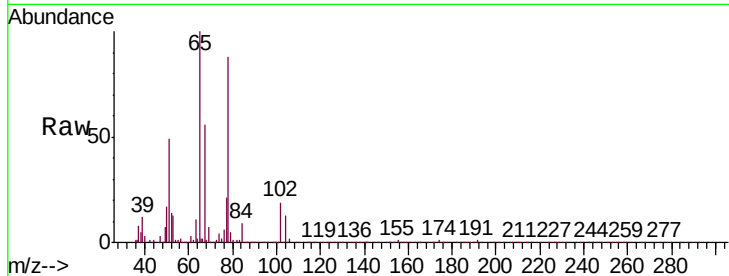
Instrument :

MSVOA_R

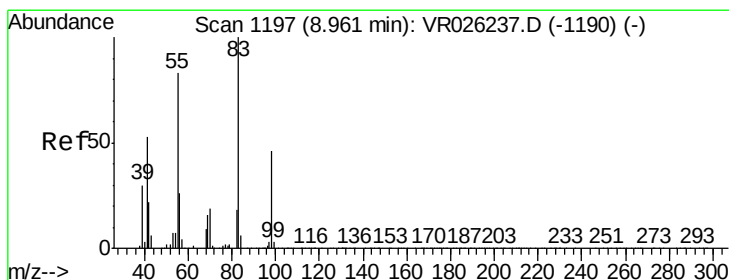
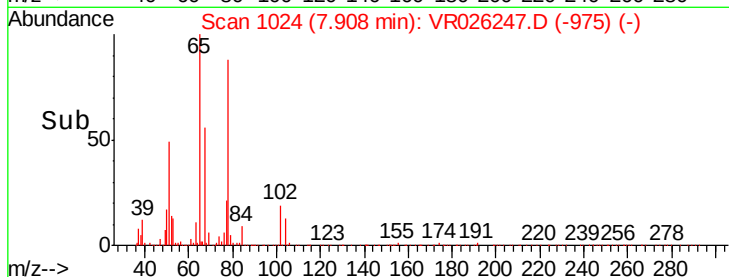
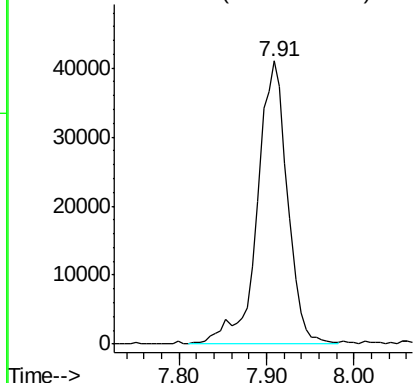
ClientSampleId :

H0FL8

Tgt Ion: 78 Resp: 96635



Abundance Ion 78.10 (77.80 to 78.80): VR0



#35

Methylcyclohexane

Concen: 0.831 ug/L

RT: 8.90 min Scan# 1187

Delta R.T. -0.06 min

Lab File: VR026247.D

Acq: 21 Nov 2018 1:59

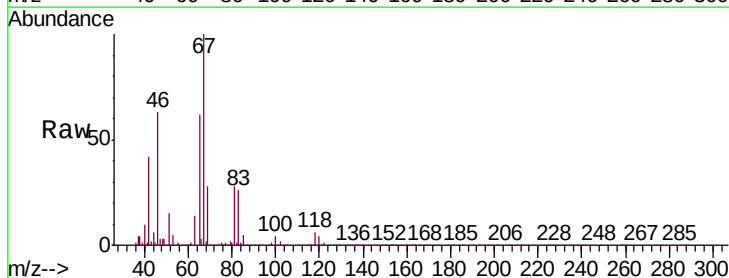
Tgt Ion: 83 Resp: 47880

Ion Ratio Lower Upper

83 100

55 1.1 66.6 100.0#

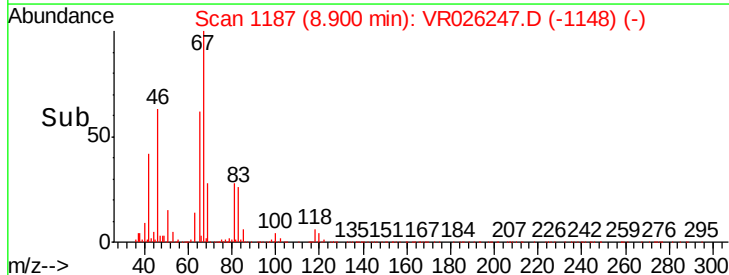
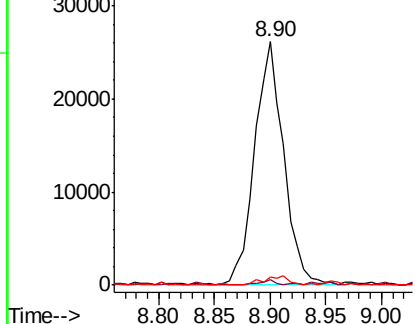
98 0.0 35.5 53.3#

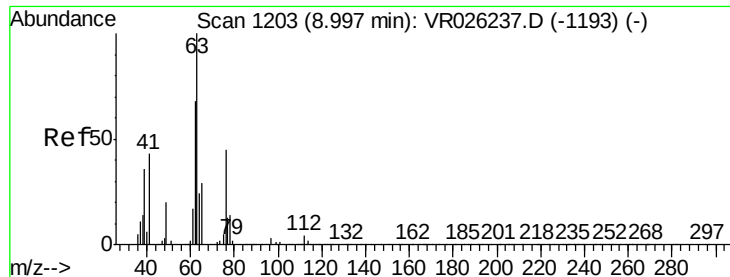


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 0.735 ug/L

RT: 8.90 min Scan# 1187

Delta R.T. -0.10 min

Lab File: VR026247.D

Acq: 21 Nov 2018 1:59

Instrument :

MSVOA_R

ClientSampleId :

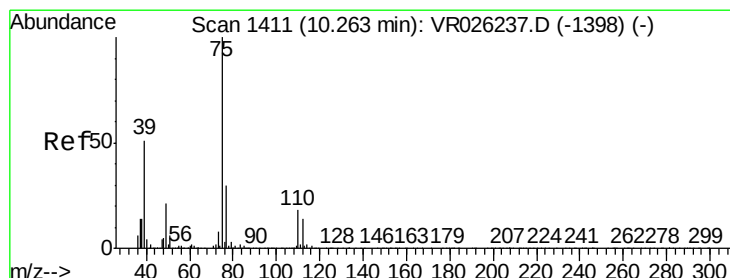
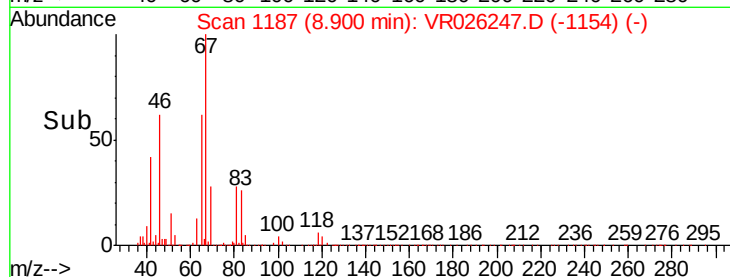
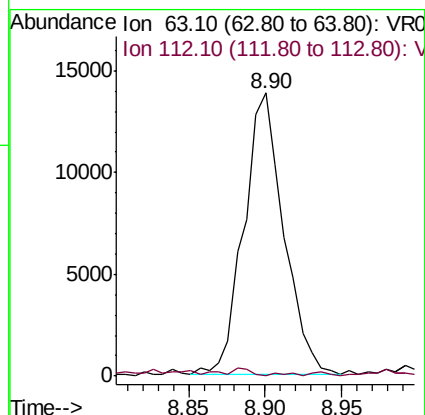
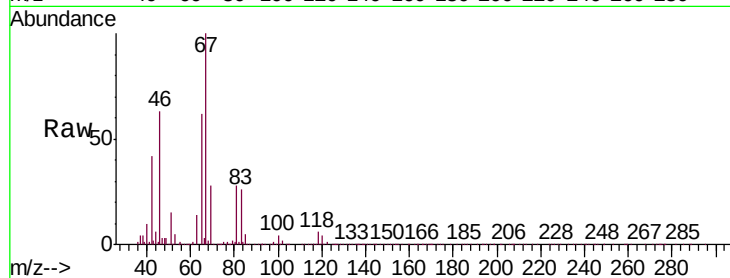
H0FL8

Tgt Ion: 63 Resp: 24849

Ion Ratio Lower Upper

63 100

112 0.7 3.4 5.0#



#44

trans-1,3-Dichloropropene

Concen: 0.119 ug/L

RT: 10.24 min Scan# 1407

Delta R.T. -0.02 min

Lab File: VR026247.D

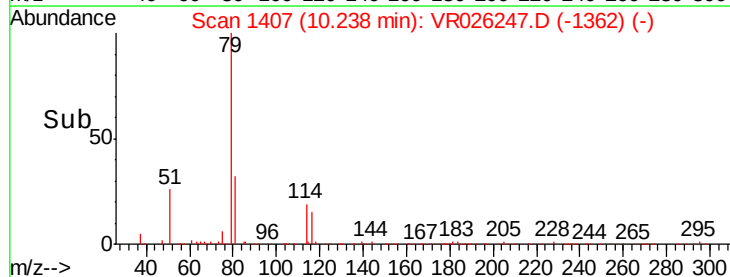
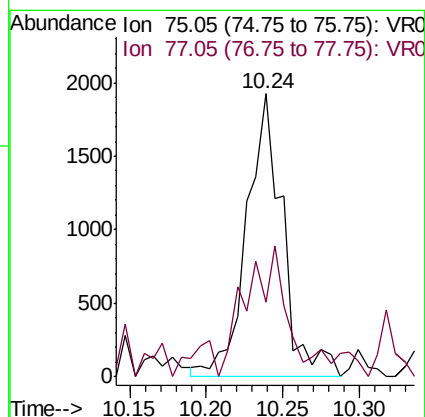
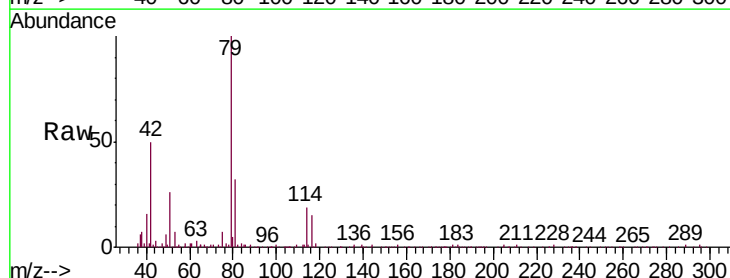
Acq: 21 Nov 2018 1:59

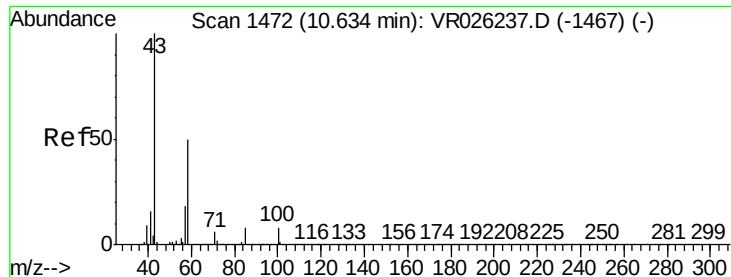
Tgt Ion: 75 Resp: 3153

Ion Ratio Lower Upper

75 100

77 26.5 22.3 41.3





#48

2-Hexanone

Concen: 3.420 ug/L

RT: 10.59 min Scan# 1465

Delta R.T. -0.04 min

Lab File: VR026247.D

Acq: 21 Nov 2018 1:59

Instrument :

MSVOA_R

ClientSampleId :

H0FL8

Tgt Ion: 43 Resp: 21576

Ion Ratio Lower Upper

43 100

58 24.6 41.3 61.9#

57 32.0 14.5 21.7#

100 4.8 7.5 11.3#

