

Data File : VR026242.D
Acq On : 20 Nov 2018 23:15
Operator : SY/MD
Sample : J6026-03
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
H0FK2

Quant Time: Nov 21 03:27:23 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	551427	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	452019	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	151521	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.17	65	199605	4.75	ug/L	0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.00%
7) Chloroethane-d5	2.63	69	186002	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.60%
11) 1,1-Dichloroethene-d2	3.61	63	394958	3.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.00%
20) 2-Butanone-d5	6.59	46	190647	48.96	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.92%
24) Chloroform-d	7.20	84	367633	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
26) 1,2-Dichloroethane-d4	7.90	65	150253	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
32) Benzene-d6	7.86	84	736560	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
36) 1,2-Dichloropropane-d6	8.90	67	190861	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.60%
41) Toluene-d8	9.97	98	658447	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.20%
43) trans-1,3-Dichloropropene-	10.24	79	45317	4.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.00%
46) 2-Hexanone-d5	10.59	63	131555	52.63	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.26%
57) 1,1,2,2-Tetrachloroethane-	12.37	84	71660	4.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.00%
64) 1,2-Dichlorobenzene-d4	13.52	152	127699	4.89	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds

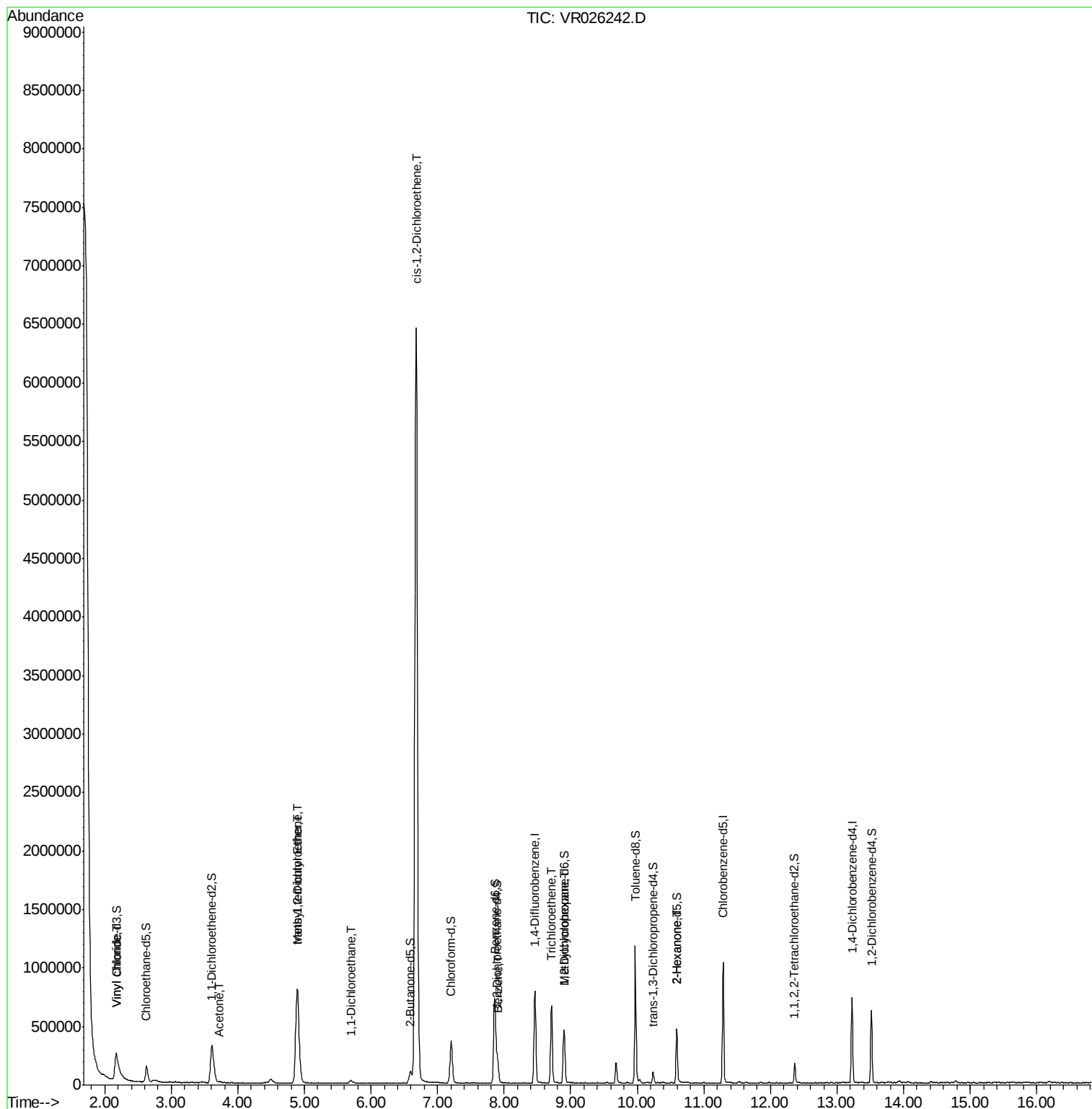
					Qvalue
5) Vinyl chloride	2.17	62	277295	5.686	ug/L 100
13) Acetone	3.73	43	4016	1.372	ug/L 68
17) Methyl tert-butyl Ether	4.90	73	815606	17.046	ug/L 98
18) trans-1,2-Dichloroethene	4.89	96	183245	4.311	ug/L 98
19) 1,1-Dichloroethane	5.69	63	34504	0.452	ug/L 94
22) cis-1,2-Dichloroethene	6.68	96	3815651	99.606	ug/L # 96
33) Benzene	7.91	78	40333	0.244	ug/L 100
34) Trichloroethene	8.71	95	215290	4.921	ug/L 94
35) Methylcyclohexane	8.90	83	44895	0.771	ug/L # 19
48) 2-Hexanone	10.59	43	20526	3.217	ug/L # 72

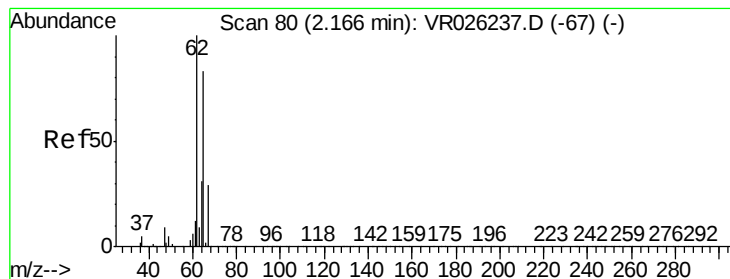
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 5.686 ug/L

RT: 2.17 min Scan# 81

Delta R.T. 0.01 min

Lab File: VR026242.D

Acq: 20 Nov 2018 23:15

Instrument :

MSVOA_R

ClientSampleId :

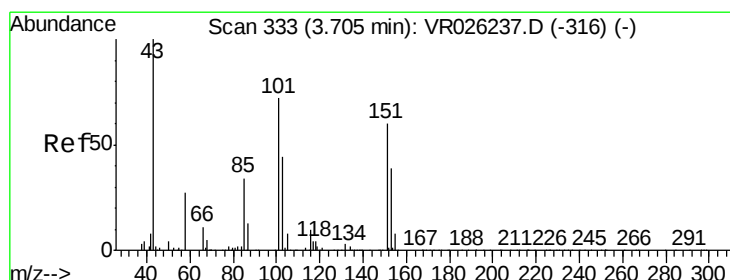
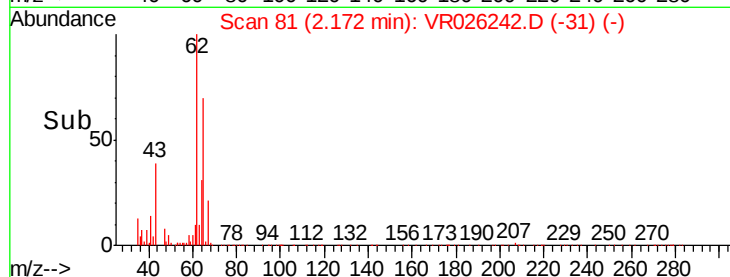
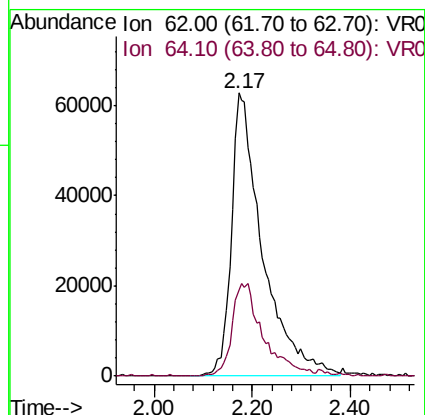
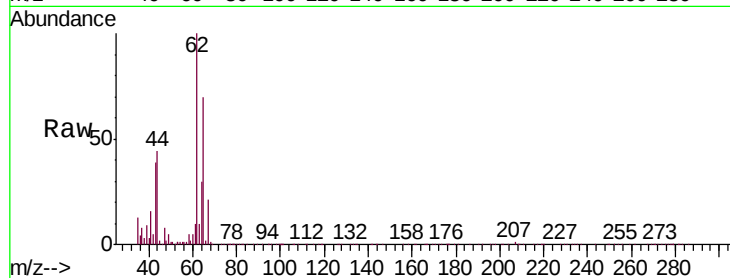
H0FK2

Tgt Ion: 62 Resp: 277295

Ion Ratio Lower Upper

62 100

64 30.5 21.3 39.5



#13

Acetone

Concen: 1.372 ug/L

RT: 3.73 min Scan# 337

Delta R.T. 0.02 min

Lab File: VR026242.D

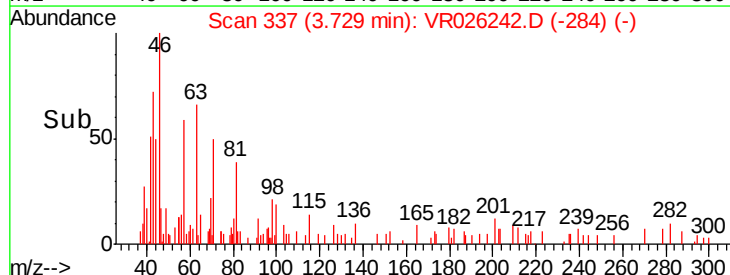
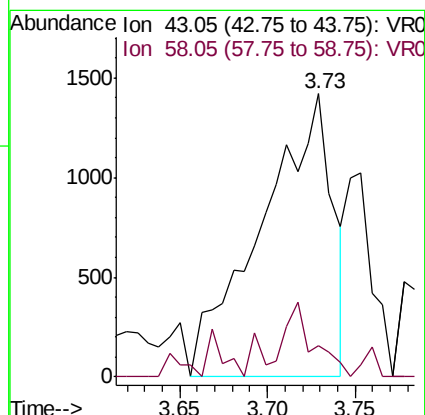
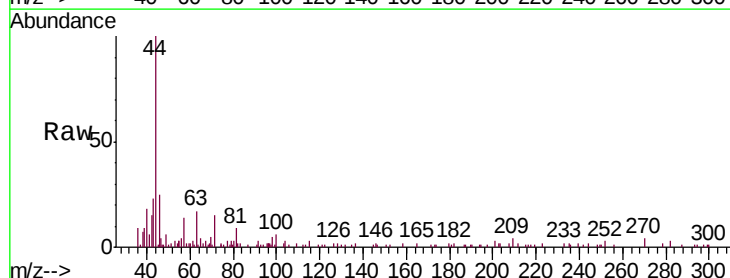
Acq: 20 Nov 2018 23:15

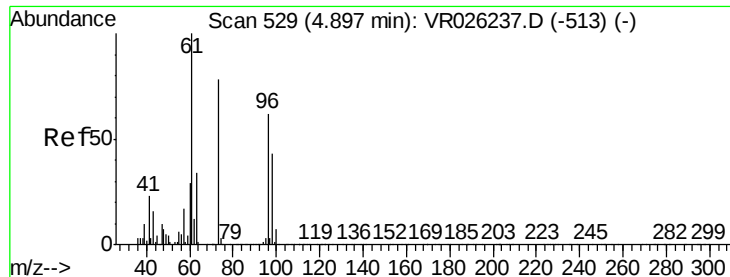
Tgt Ion: 43 Resp: 4016

Ion Ratio Lower Upper

43 100

58 10.7 0.0 55.0





#17

Methyl tert-butyl Ether

Concen: 17.046 ug/L

RT: 4.90 min Scan# 529

Delta R.T. 0.00 min

Lab File: VR026242.D

Acq: 20 Nov 2018 23:15

Instrument :

MSVOA_R

ClientSampled :

H0FK2

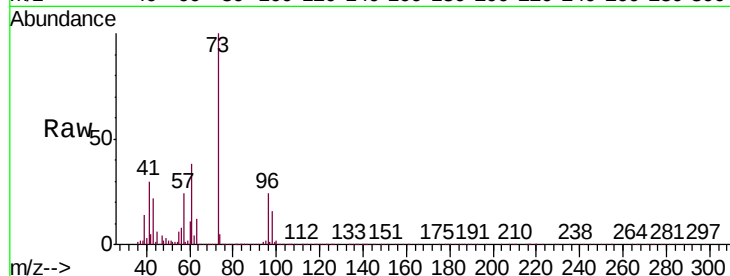
Tgt Ion: 73 Resp: 815606

Ion Ratio Lower Upper

73 100

43 22.8 19.0 28.4

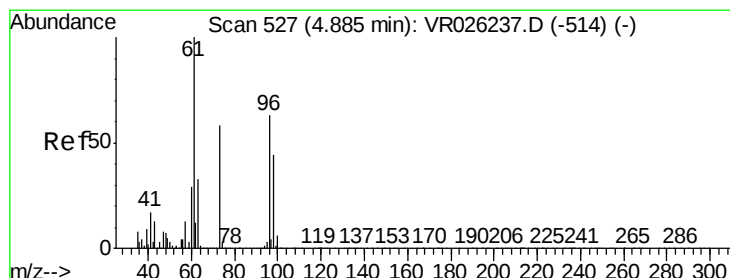
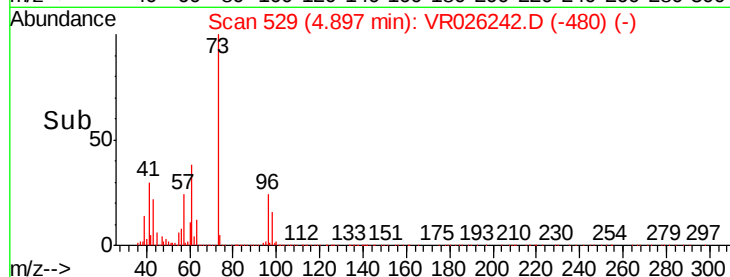
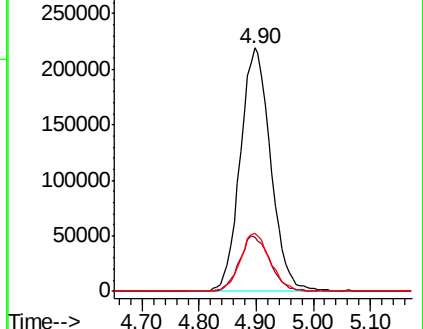
57 23.5 17.9 26.9



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



#18

trans-1,2-Dichloroethene

Concen: 4.311 ug/L

RT: 4.89 min Scan# 528

Delta R.T. 0.01 min

Lab File: VR026242.D

Acq: 20 Nov 2018 23:15

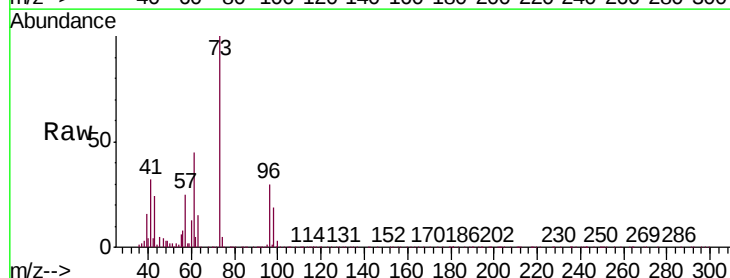
Tgt Ion: 96 Resp: 183245

Ion Ratio Lower Upper

96 100

61 149.5 105.4 195.8

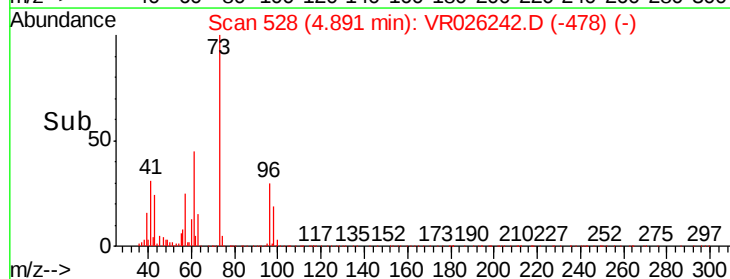
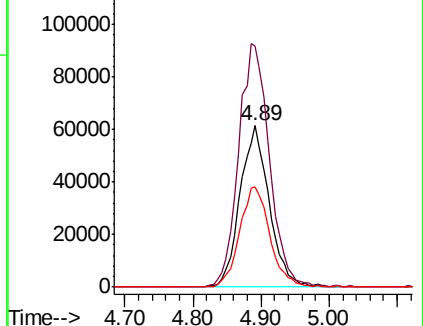
98 62.5 42.1 78.1

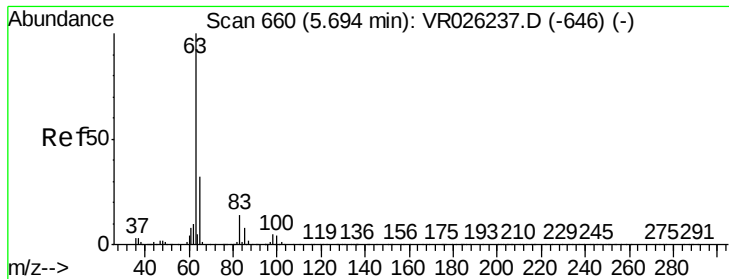


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 97.95 (97.65 to 98.65): VR0





#19

1,1-Dichloroethane

Concen: 0.452 ug/L

RT: 5.69 min Scan# 660

Delta R.T. 0.00 min

Lab File: VR026242.D

Acq: 20 Nov 2018 23:15

Instrument :

MSVOA_R

ClientSampleId :

H0FK2

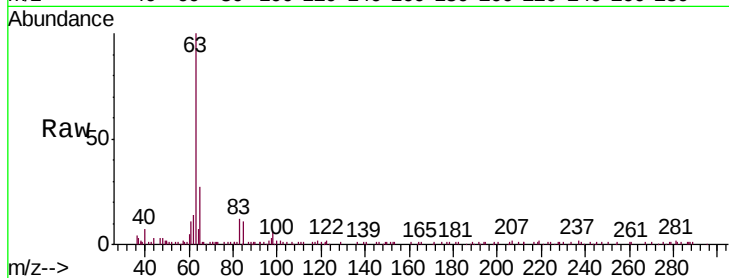
Tgt Ion: 63 Resp: 34504

Ion Ratio Lower Upper

63 100

65 26.6 21.1 39.3

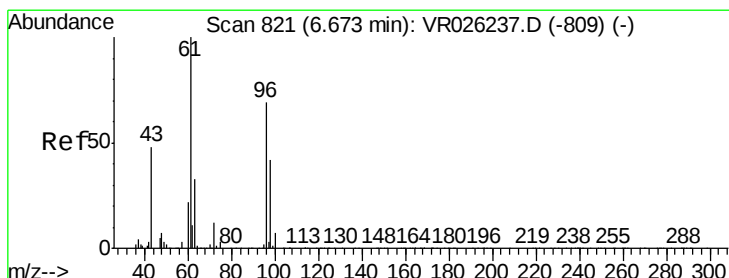
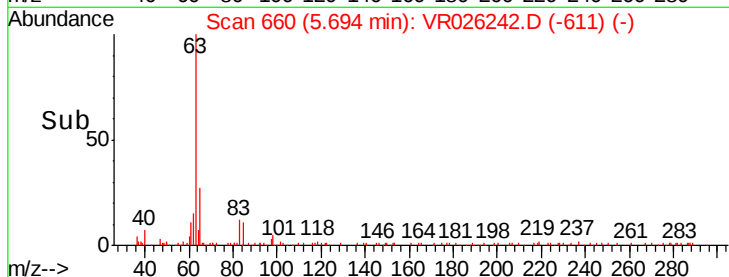
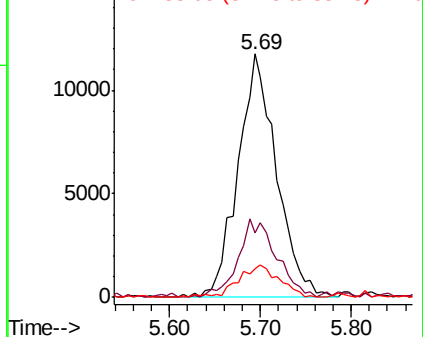
83 12.0 9.9 18.5



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: 99.606 ug/L

RT: 6.68 min Scan# 822

Delta R.T. 0.01 min

Lab File: VR026242.D

Acq: 20 Nov 2018 23:15

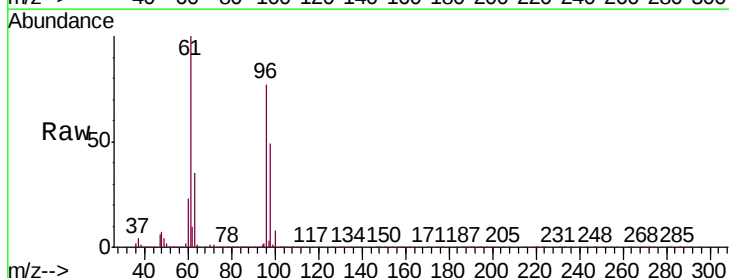
Tgt Ion: 96 Resp: 3815651

Ion Ratio Lower Upper

96 100

61 130.5 94.8 176.2

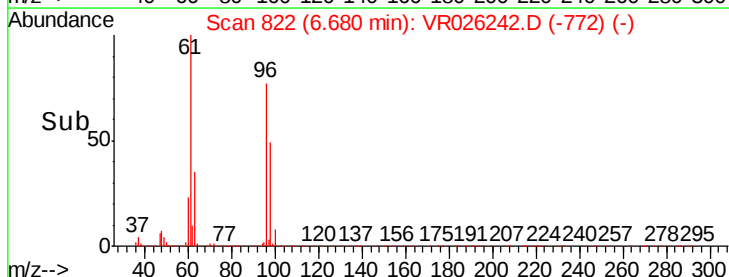
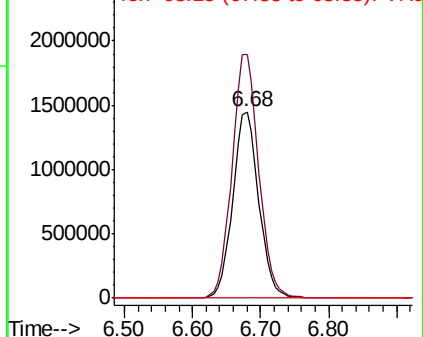
68 0.0 0.0 0.0#

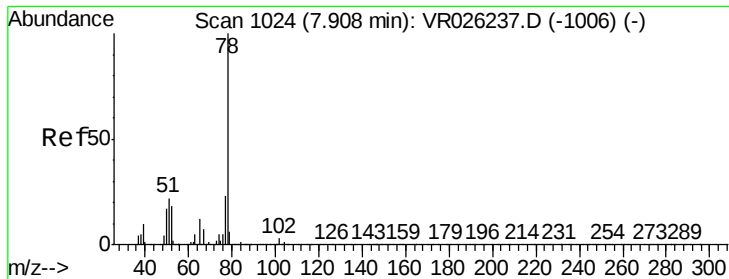


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 68.15 (67.85 to 68.85): VR0





#33

Benzene

Concen: 0.244 ug/L

RT: 7.91 min Scan# 1024

Delta R.T. 0.00 min

Lab File: VR026242.D

Acq: 20 Nov 2018 23:15

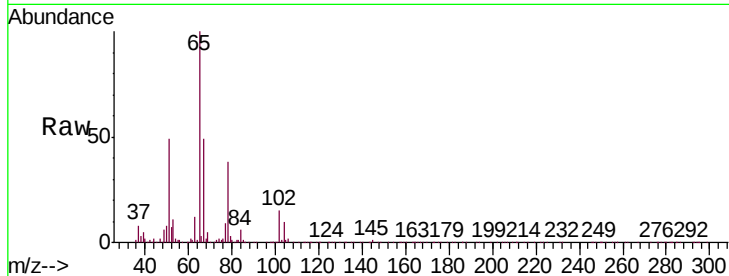
Instrument :

MSVOA_R

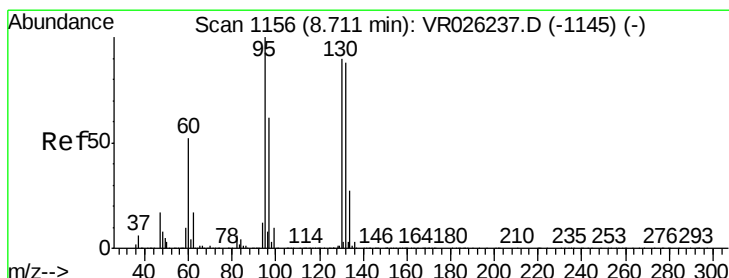
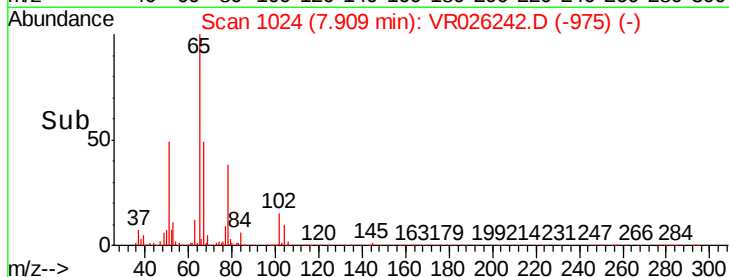
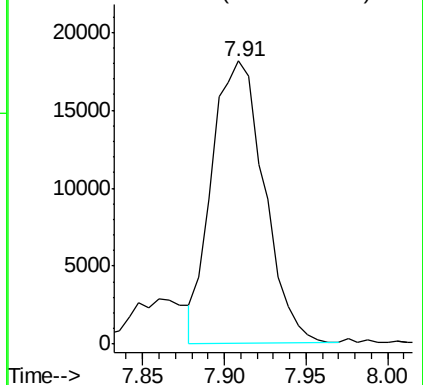
ClientSampleId :

H0FK2

Tgt Ion: 78 Resp: 40333



Abundance Ion 78.10 (77.80 to 78.80): VR0



#34

Trichloroethene

Concen: 4.921 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VR026242.D

Acq: 20 Nov 2018 23:15

Tgt Ion: 95 Resp: 215290

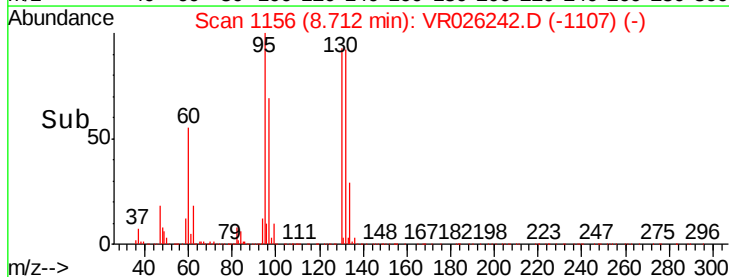
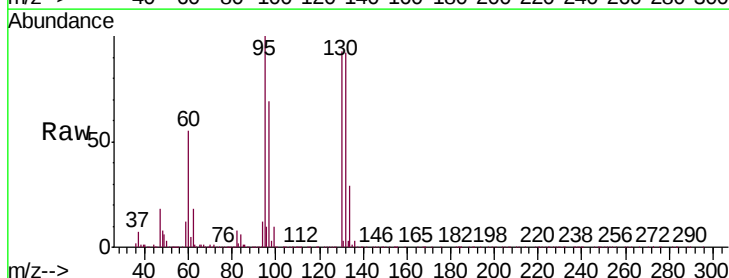
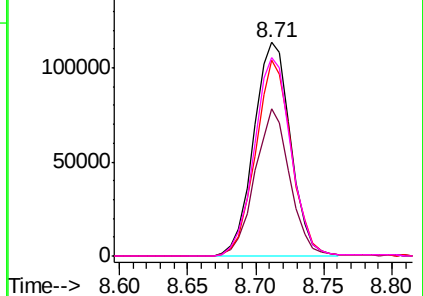
Ion	Ratio	Lower	Upper
95	100		
97	68.8	45.1	83.7
132	91.7	59.8	111.0
130	92.8	61.4	114.0

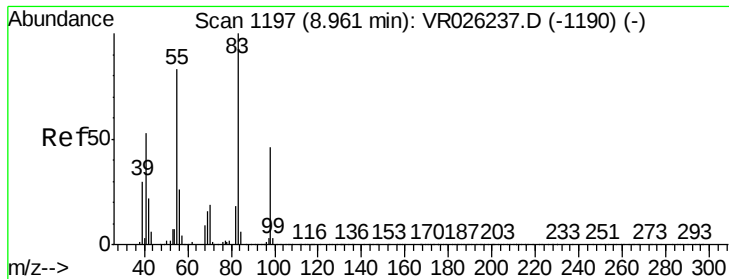
Abundance Ion 95.00 (94.70 to 95.70): VR0

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

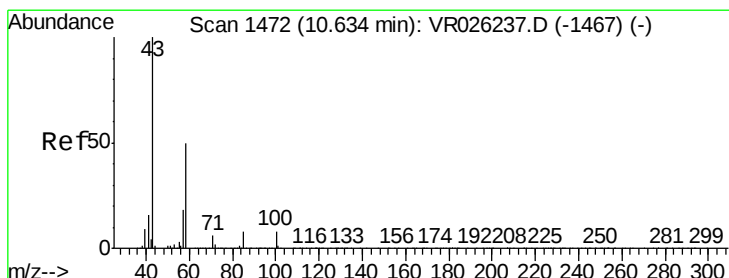
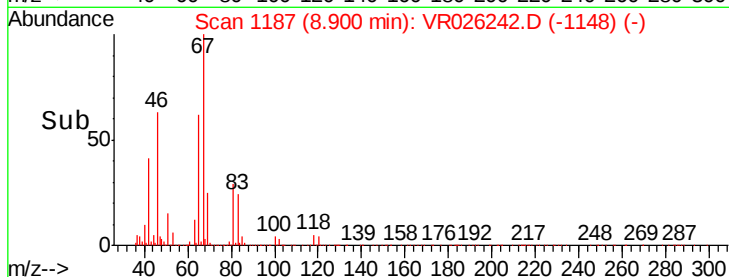
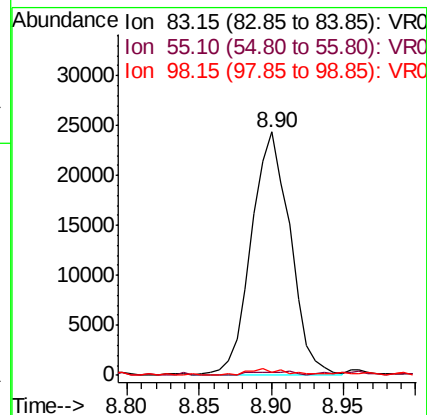
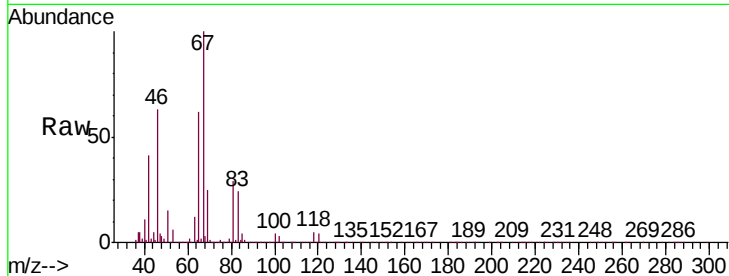




#35
Methylcyclohexane
Concen: 0.771 ug/L
RT: 8.90 min Scan# 1187
Delta R.T. -0.06 min
Lab File: VR026242.D
Acq: 20 Nov 2018 23:15

Instrument :
MSVOA_R
ClientSampleId :
H0FK2

Tgt Ion: 83 Resp: 44895
Ion Ratio Lower Upper
83 100
55 1.8 66.6 100.0#
98 2.6 35.5 53.3#



#48
2-Hexanone
Concen: 3.217 ug/L
RT: 10.59 min Scan# 1465
Delta R.T. -0.04 min
Lab File: VR026242.D
Acq: 20 Nov 2018 23:15

Tgt Ion: 43 Resp: 20526
Ion Ratio Lower Upper
43 100
58 28.2 41.3 61.9#
57 28.0 14.5 21.7#
100 5.1 7.5 11.3#

