

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 03:27:41 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

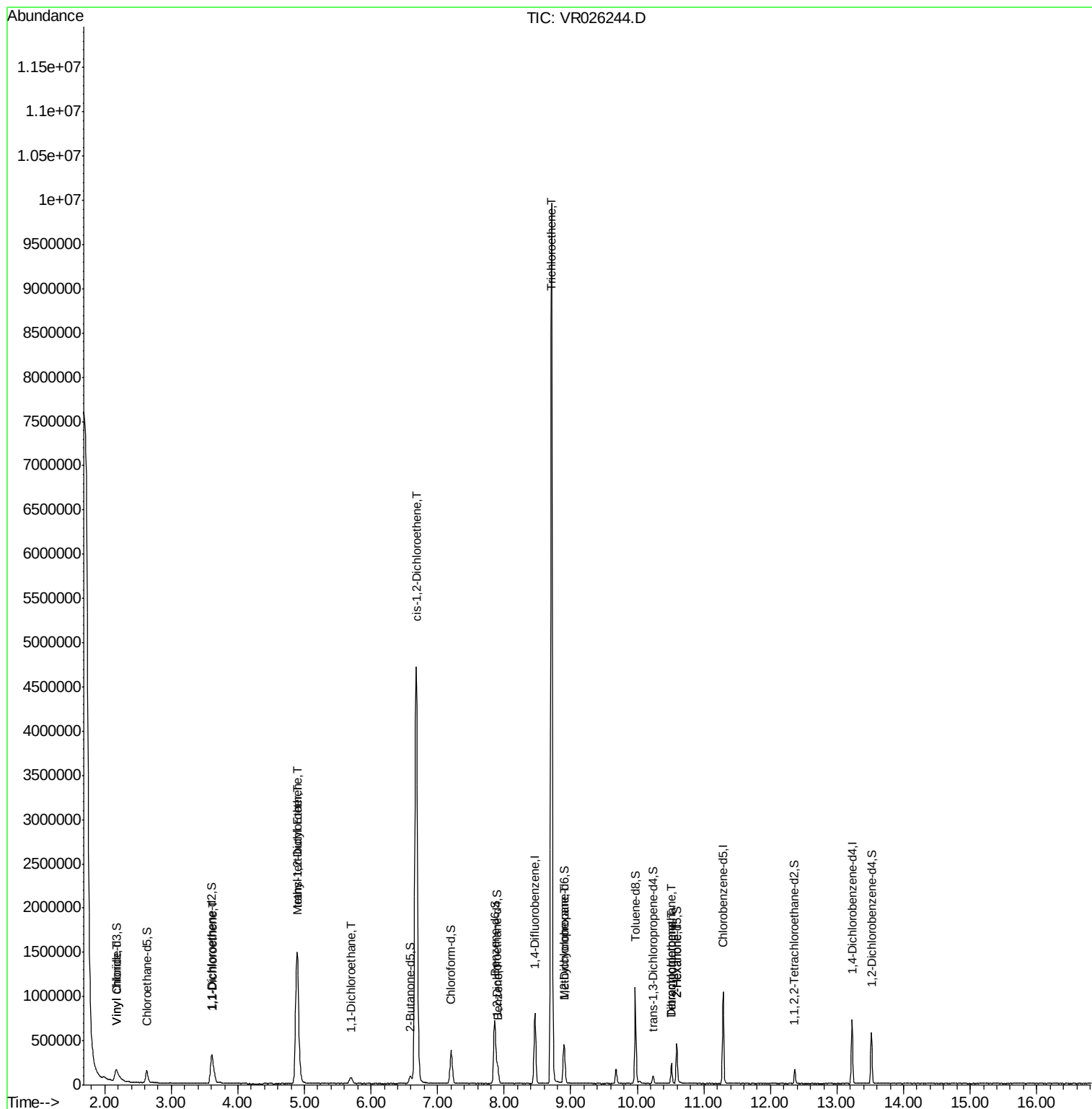
						Qvalue
5) Vinyl chloride	2.18	62	161130	3.287	ug/L	97
12) 1,1-Dichloroethene	3.62	96	10248	0.220	ug/L #	1
17) Methyl tert-butyl Ether	4.90	73	533037	11.083	ug/L	99
18) trans-1,2-Dichloroethene	4.89	96	706863	16.543	ug/L	97
19) 1,1-Dichloroethane	5.70	63	107540	1.402	ug/L	93
22) cis-1,2-Dichloroethene	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
35) Methylcyclohexane	8.90	83	43923	0.747	ug/L #	17
47) Tetrachloroethene	10.51	164	41886	1.292	ug/L	91
48) 2-Hexanone	10.59	43	19969	3.100	ug/L #	70
49) Dibromochloromethane	10.51	129	35585	1.972	ug/L #	12

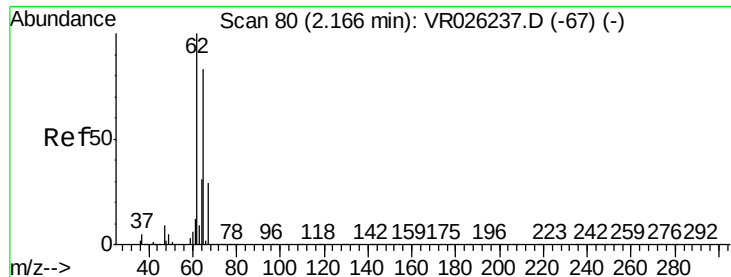
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 3.287 ug/L

RT: 2.18 min Scan# 83

Delta R.T. 0.02 min

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Acq: 21 Nov 2018 00:20

Instrument :

MSVOA_R

ClientSampleId :

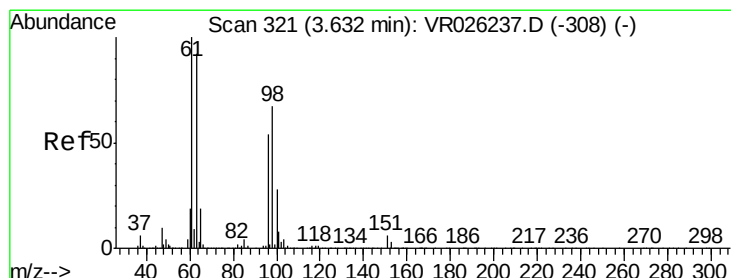
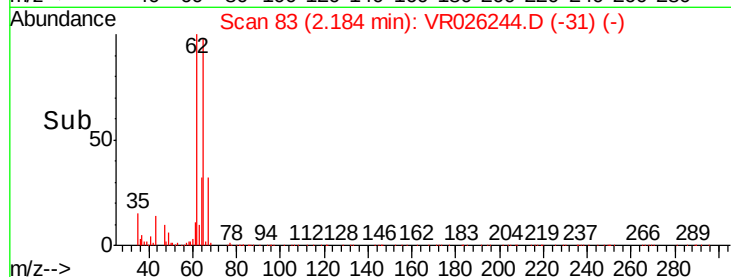
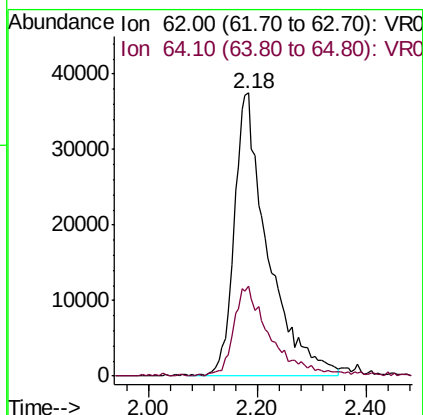
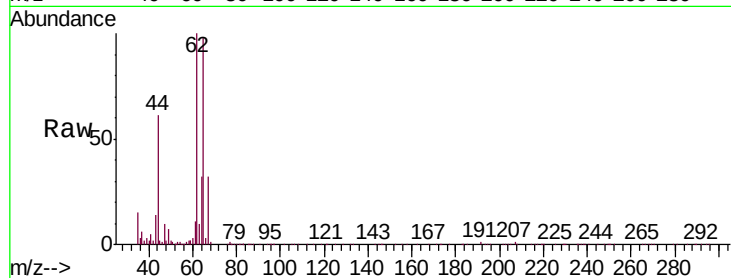
H0FK4

Tgt Ion: 62 Resp: 161130

Ion Ratio Lower Upper

62 100

64 31.9 21.3 39.5



#12

1,1-Dichloroethene

Concen: 0.220 ug/L

RT: 3.62 min Scan# 319

Delta R.T. -0.01 min

Lab File: VR026244.D

Acq: 21 Nov 2018 00:20

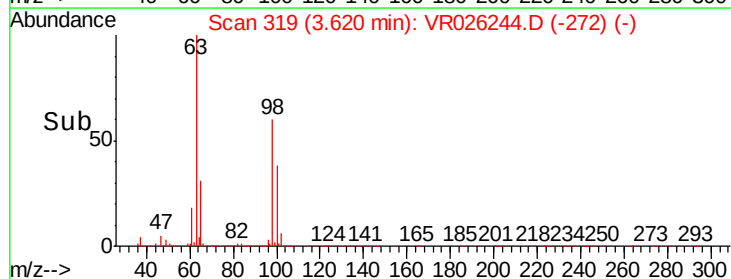
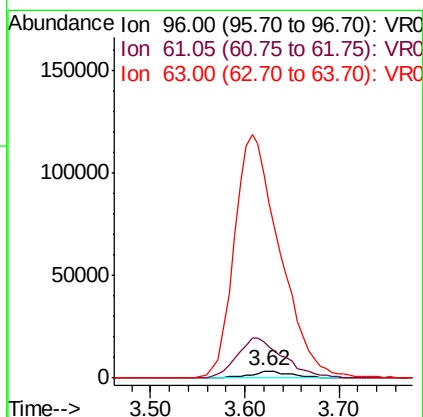
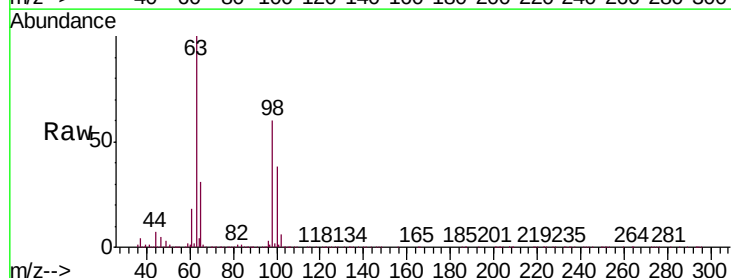
Tgt Ion: 96 Resp: 10248

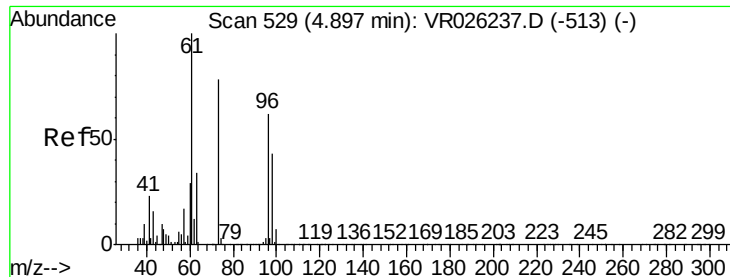
Ion Ratio Lower Upper

96 100

61 526.2 128.7 239.1#

63 2997.3 122.6 227.6#





#17

Methyl tert-butyl Ether

Concen: 11.083 ug/L

RT: 4.90 min Scan# 530

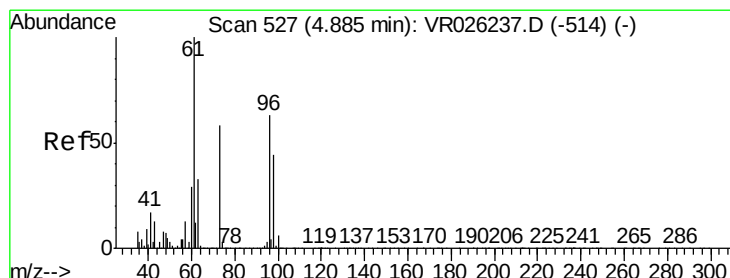
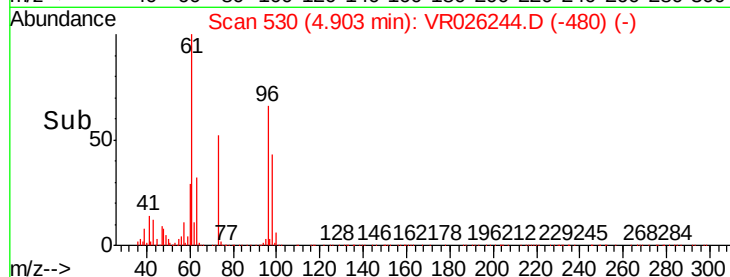
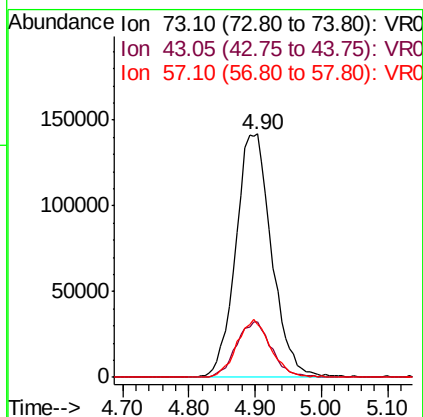
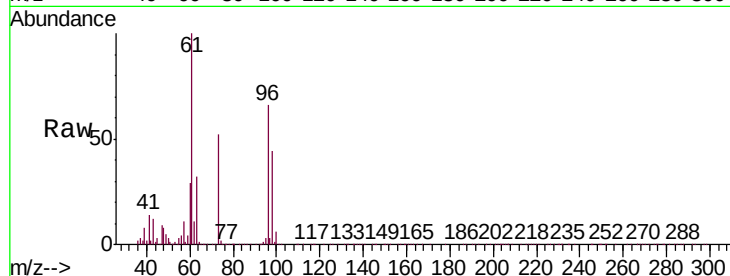
Delta R.T. 0.01 min

Lab File: VR026244.D

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Instrument :
MSVOA_R
ClientSampleId :
H0FK4

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

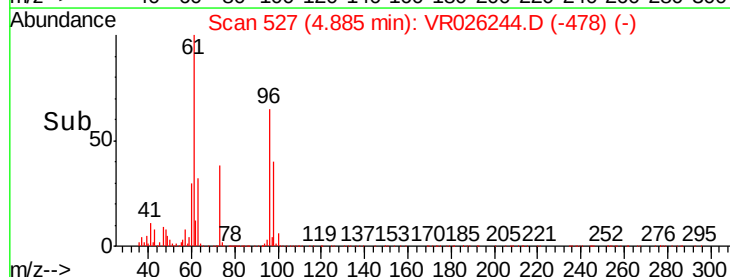
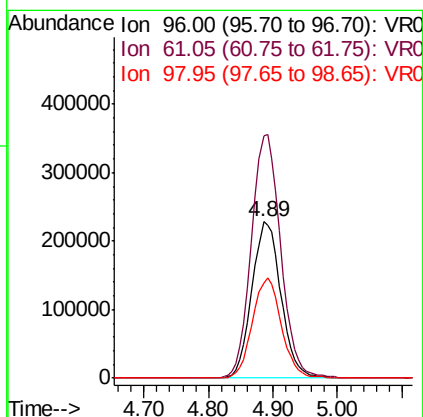
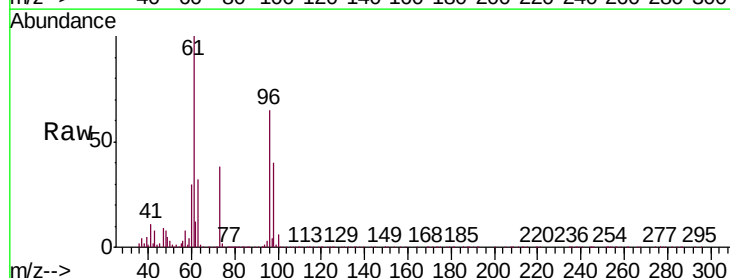
RT: 4.89 min Scan# 527

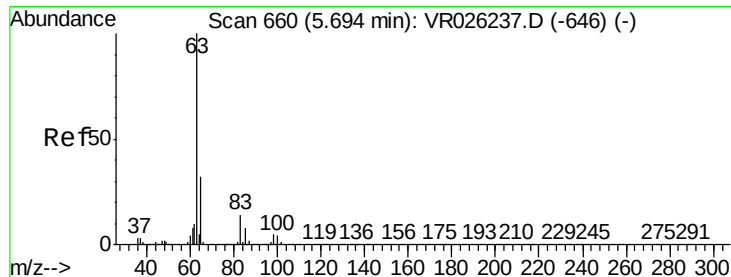
Delta R.T. 0.00 min

Lab File: VR026244.D

Acq: 21 Nov 2018 00:20

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

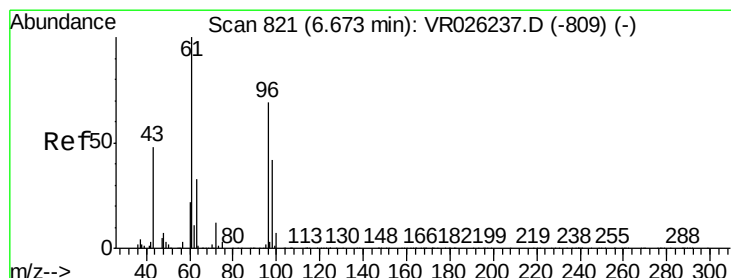
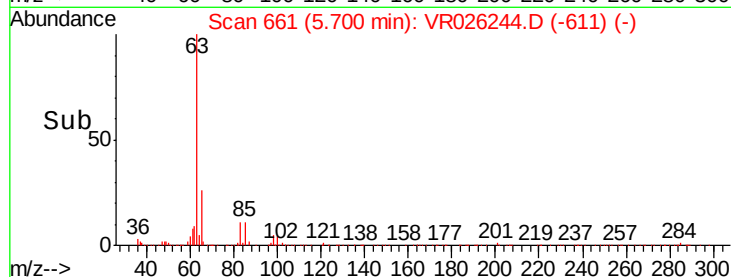
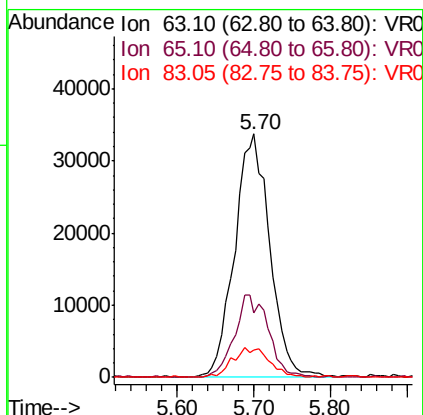
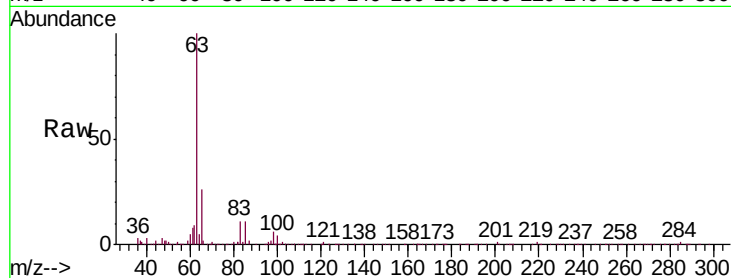




#19
1,1-Dichloroethane
Concen: 1.402 ug/L
RT: 5.70 min Scan# 661
Delta R.T. 0.01 min
Lab File: VR026244.D
Acq: 21 Nov 2018 00:20

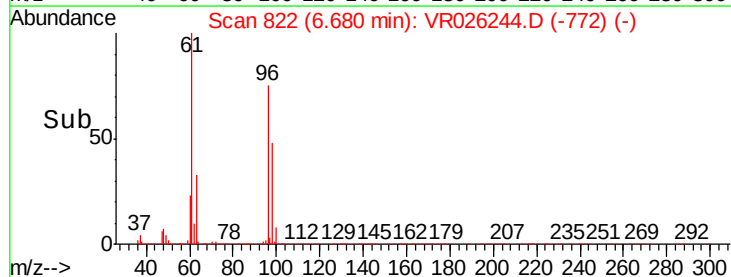
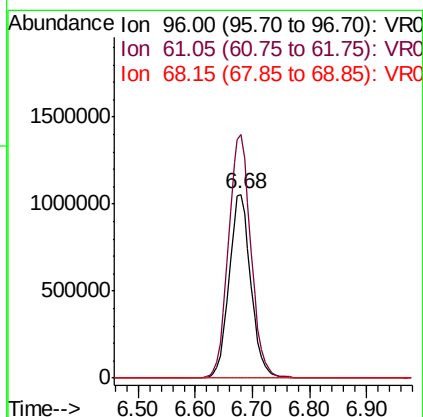
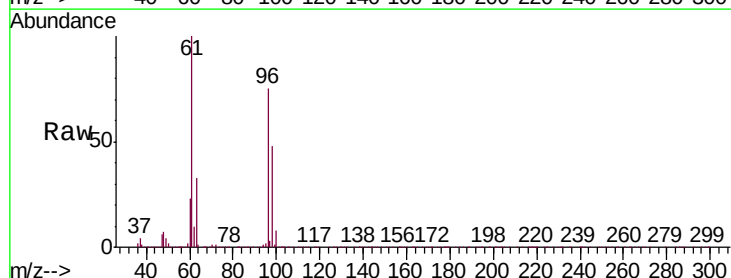
Instrument :
MSVOA_R
ClientSampled :
H0FK4

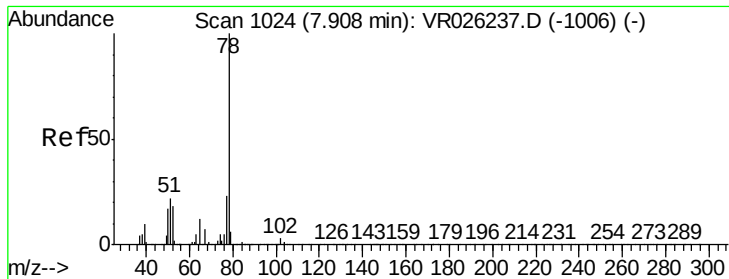
Tgt Ion: 63 Resp: 107540
Ion Ratio Lower Upper
63 100
65 26.4 21.1 39.3
83 11.2 9.9 18.5



#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

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

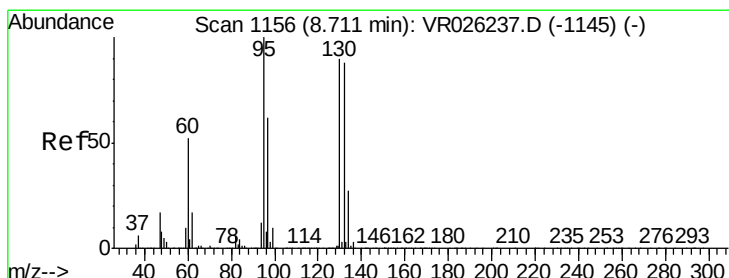
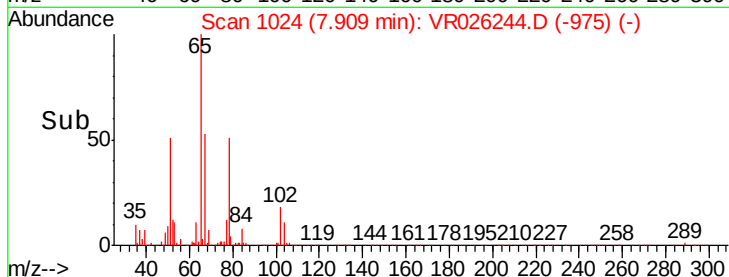
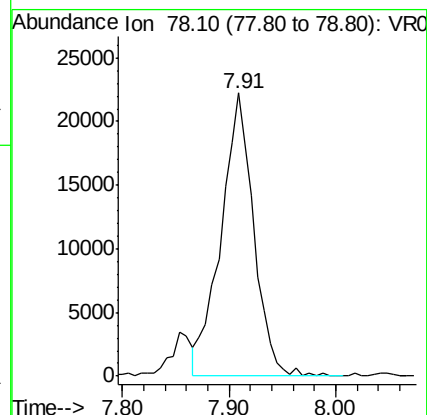
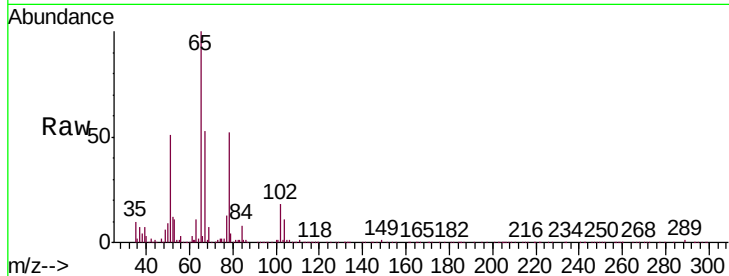




#33
Benzene
Concen: 0.284 ug/L
RT: 7.91 min Scan# 1024
Delta R.T. 0.00 min
Lab File: VR026244.D
Acq: 21 Nov 2018 00:20

Tgt Ion: 78 Resp: 47407

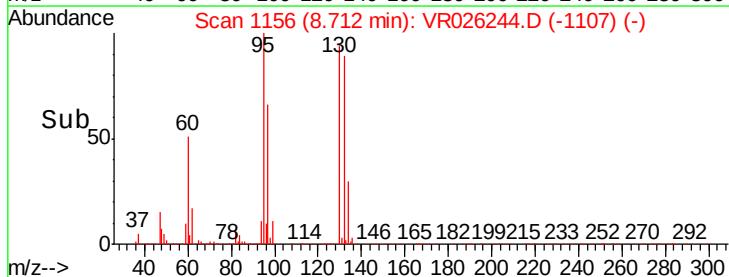
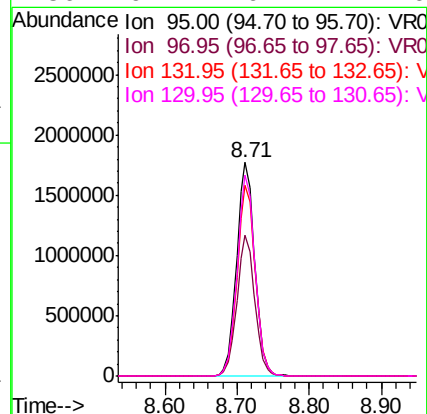
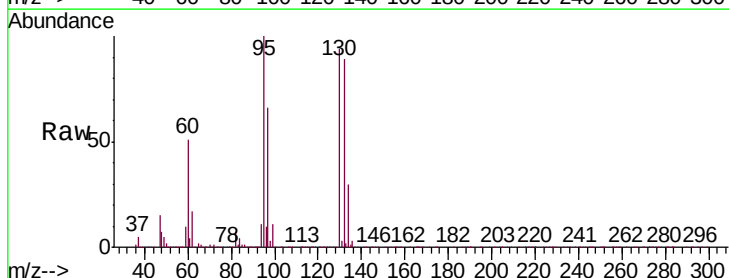
Instrument :
MSVOA_R
ClientSampleId :
H0FK4

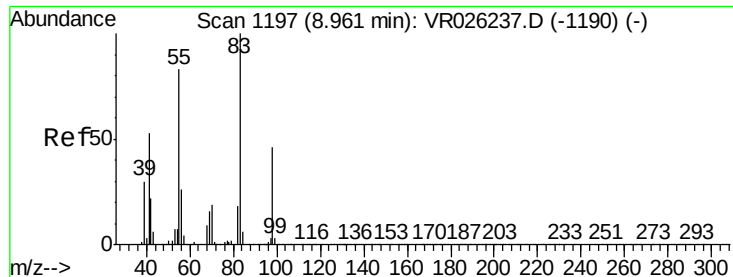


#34
Trichloroethene
Concen: 70.339 ug/L
RT: 8.71 min Scan# 1156
Delta R.T. 0.00 min
Lab File: VR026244.D
Acq: 21 Nov 2018 00:20

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

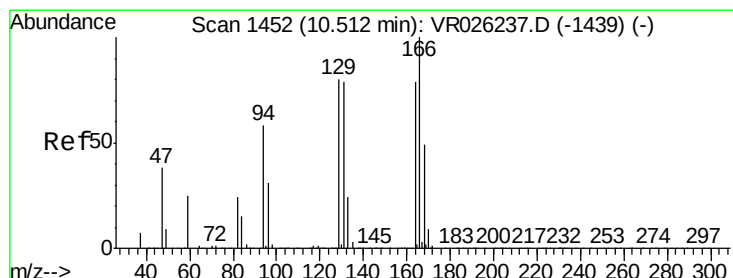
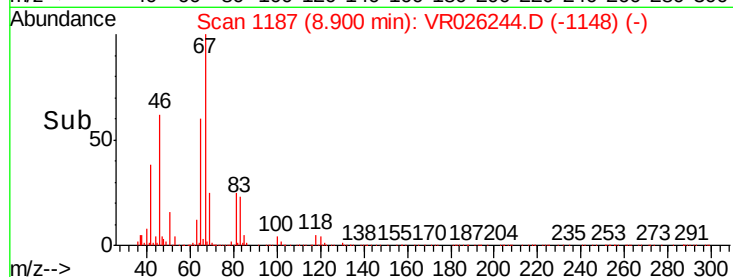
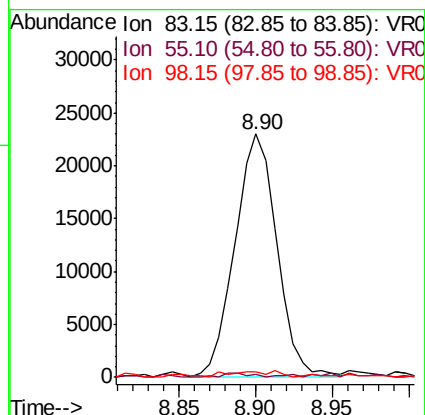
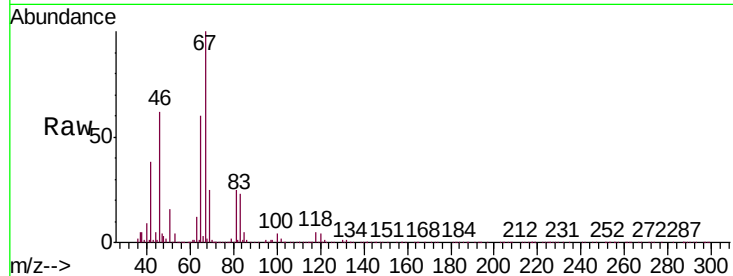




#35
Methylcyclohexane
Concen: 0.747 ug/L
RT: 8.90 min Scan# 1187
Delta R.T. -0.06 min
Lab File: VR026244.D
Acq: 21 Nov 2018 00:20

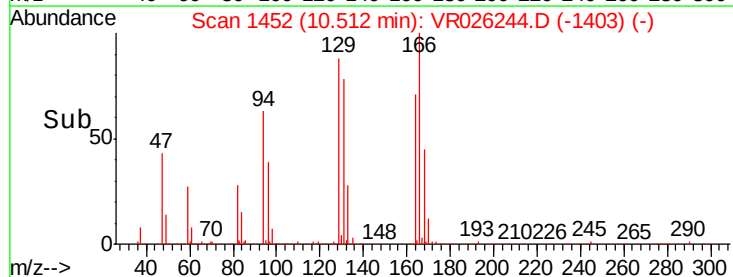
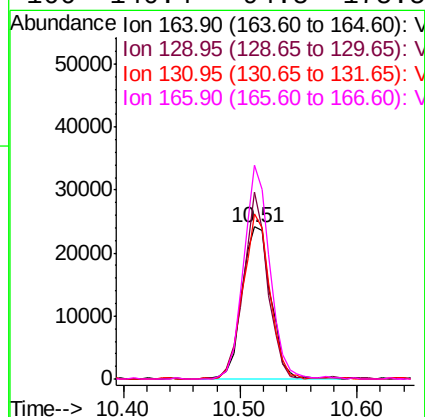
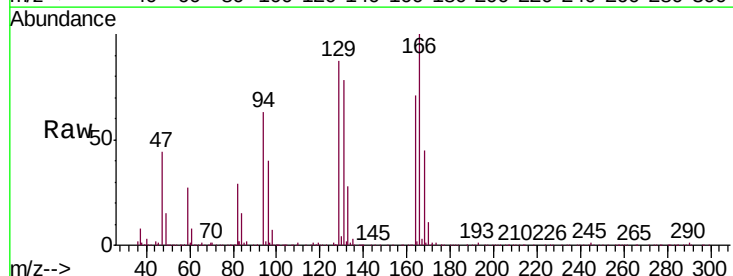
Instrument :
MSVOA_R
ClientSampleId :
H0FK4

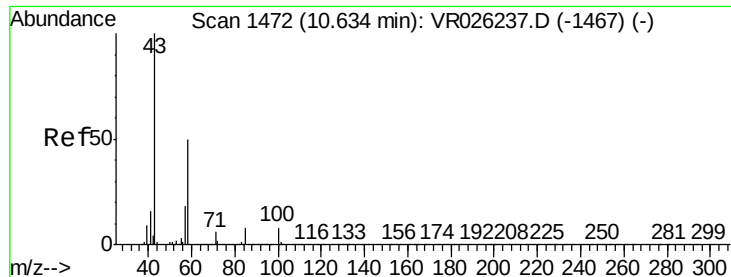
Tgt Ion: 83 Resp: 43923
Ion Ratio Lower Upper
83 100
55 1.2 66.6 100.0#
98 0.0 35.5 53.3#



#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

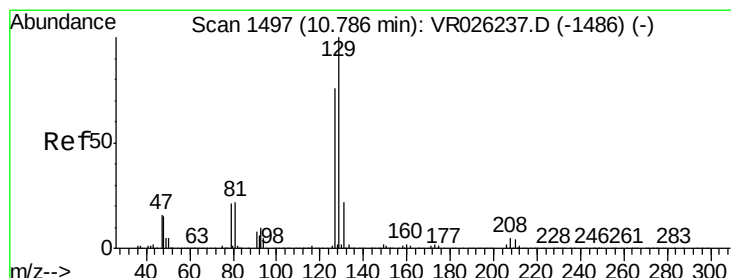
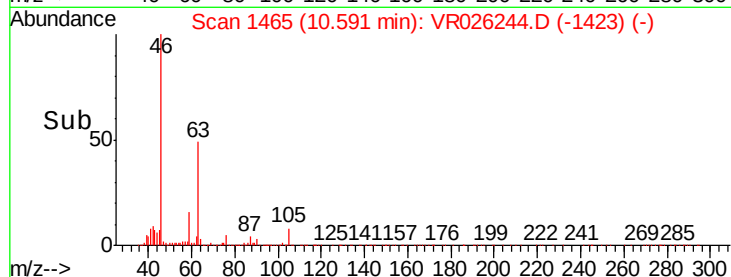
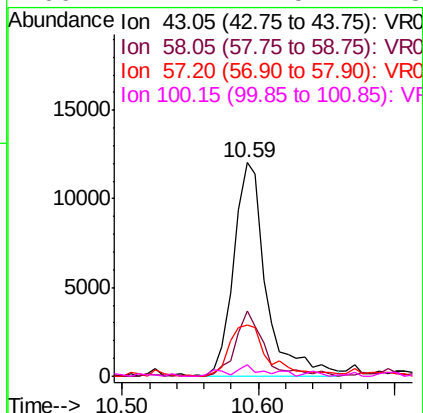
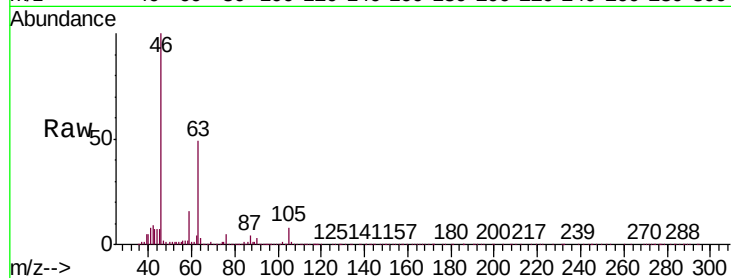




#48
2-Hexanone
Concen: 3.100 ug/L
RT: 10.59 min Scan# 1465
Delta R.T. -0.04 min
Lab File: VR026244.D
Acq: 21 Nov 2018 00:20

Instrument :
MSVOA_R
ClientSampled :
H0FK4

Tgt Ion:	43	Resp:	19969
Ion	Ratio	Lower	Upper
43	100		
58	27.3	41.3	61.9#
57	28.7	14.5	21.7#
100	4.2	7.5	11.3#



#49
Dibromochloromethane
Concen: 1.972 ug/L
RT: 10.51 min Scan# 1452
Delta R.T. -0.27 min
Lab File: VR026244.D
Acq: 21 Nov 2018 00:20

Tgt Ion:	129	Resp:	35585
Ion	Ratio	Lower	Upper
129	100		
127	0.6	52.8	98.0#

