

Data File : VR026240.D
Acq On : 20 Nov 2018 22:09
Operator : SY/MD
Sample : J6026-01
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
H0FH2

Quant Time: Nov 21 03:27:01 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	544818	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	458385	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	147450	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.17	65	200955	4.84	ug/L	0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.80%
7) Chloroethane-d5	2.63	69	186640	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.20%
11) 1,1-Dichloroethene-d2	3.61	63	384906	3.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.00%
20) 2-Butanone-d5	6.59	46	175341	45.58	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.16%
24) Chloroform-d	7.20	84	358024	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.00%
26) 1,2-Dichloroethane-d4	7.90	65	142308	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
32) Benzene-d6	7.85	84	704545	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.40%
36) 1,2-Dichloropropane-d6	8.90	67	180939	4.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.40%
41) Toluene-d8	9.97	98	625736	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.60%
43) trans-1,3-Dichloropropene-	10.24	79	44022	4.03	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.60%
46) 2-Hexanone-d5	10.59	63	124815	49.24	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.48%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	71710	4.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.80%
64) 1,2-Dichlorobenzene-d4	13.52	152	127184	5.01	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.20%

Target Compounds

					Qvalue
5) Vinyl chloride	2.18	62	159660	3.314 ug/L	93
12) 1,1-Dichloroethene	3.64	96	7420	0.162 ug/L #	1
17) Methyl tert-butyl Ether	4.90	73	549789	11.630 ug/L	99
18) trans-1,2-Dichloroethene	4.89	96	711845	16.949 ug/L	94
19) 1,1-Dichloroethane	5.69	63	105125	1.395 ug/L	96
22) cis-1,2-Dichloroethene	6.68	96	2798471	73.939 ug/L	99
33) Benzene	7.90	78	52058	0.311 ug/L	100
34) Trichloroethene	8.71	95	3097721	69.828 ug/L	93
35) Methylcyclohexane	8.90	83	45258	0.766 ug/L #	17
42) Toluene	10.04	91	18747	0.094 ug/L	97
44) trans-1,3-Dichloropropene	10.24	75	2599	0.096 ug/L	93
47) Tetrachloroethene	10.51	164	43704	1.341 ug/L	95
48) 2-Hexanone	10.59	43	20424	3.156 ug/L #	66
49) Dibromochloromethane	10.51	129	36147	1.994 ug/L #	12
66) 1,2-Dibromo-3-chloropropan	14.16	75	234	0.182 ug/L #	27

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR112018\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 21 03:23:51 2018
Response via : Initial Calibration

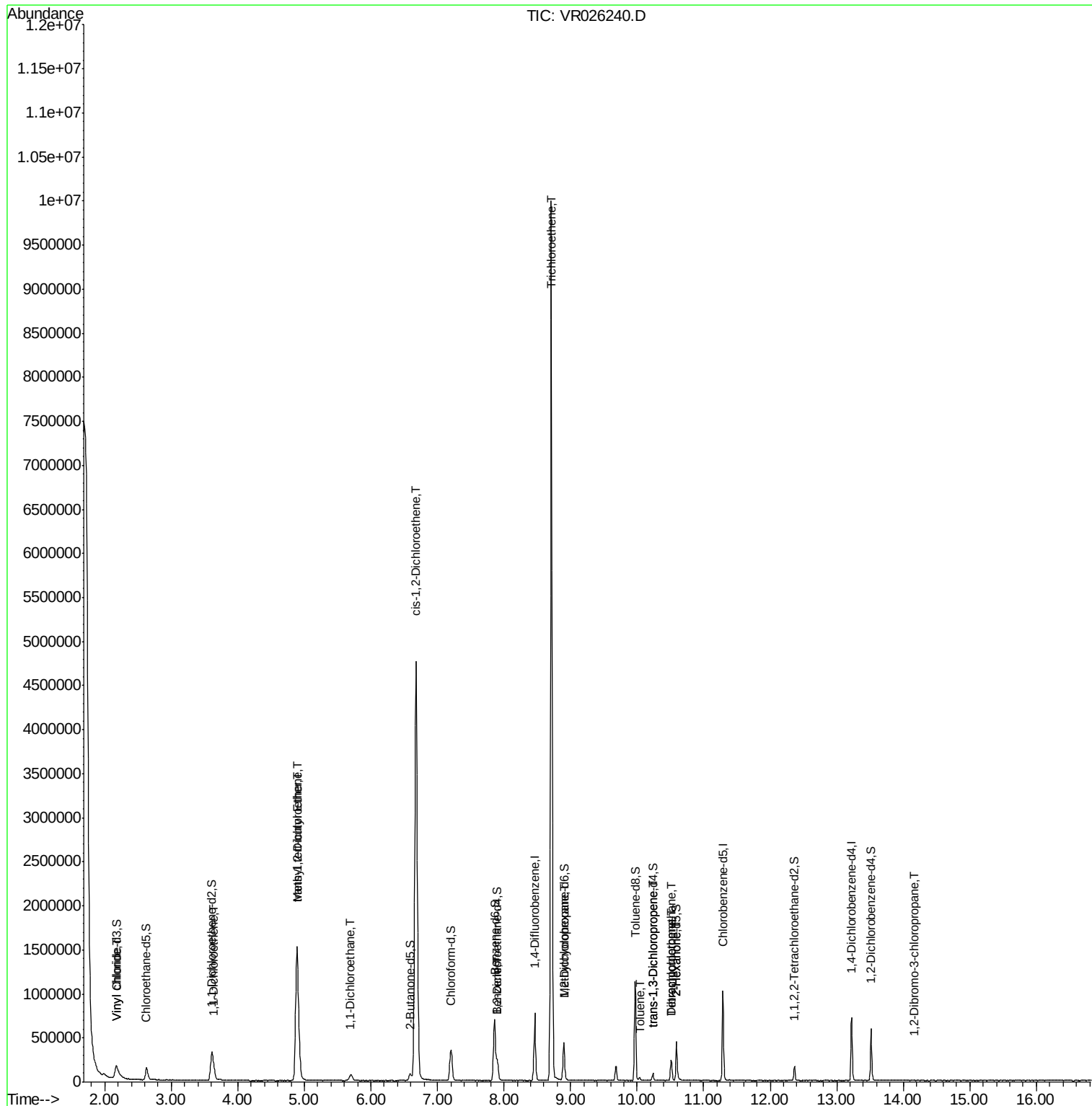
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

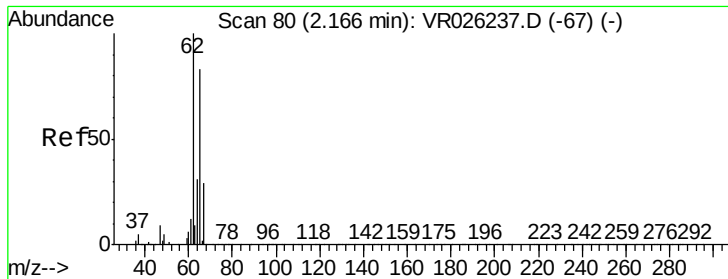
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#5

Vinyl chloride

Concen: 3.314 ug/L

RT: 2.18 min Scan# 82

Delta R.T. 0.01 min

Lab File: VR026240.D

Acq: 20 Nov 2018 22:09

Instrument :

MSVOA_R

ClientSampleId :

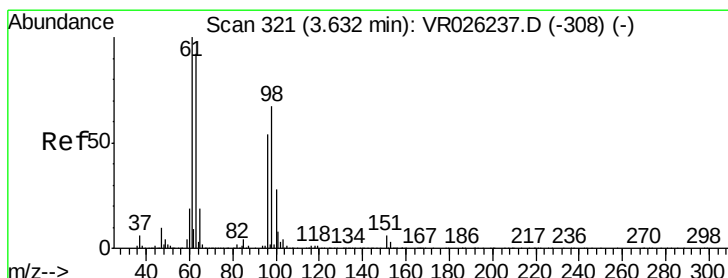
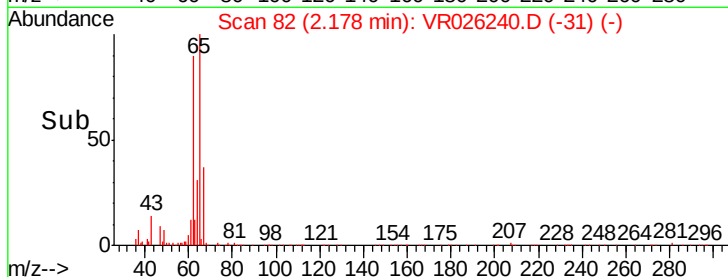
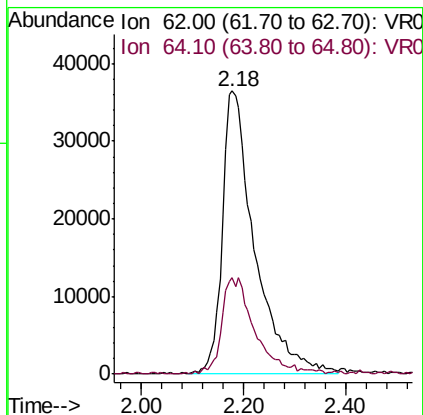
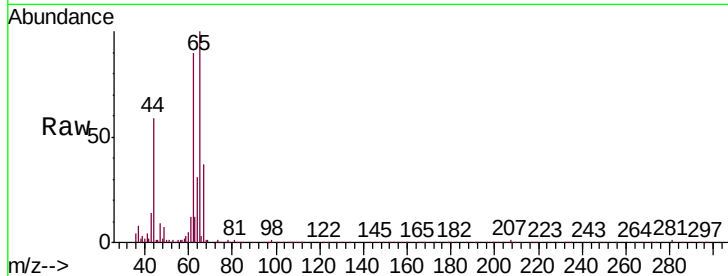
H0FH2

Tgt Ion: 62 Resp: 159660

Ion Ratio Lower Upper

62 100

64 34.3 21.3 39.5



#12

1,1-Dichloroethene

Concen: 0.162 ug/L

RT: 3.64 min Scan# 322

Delta R.T. 0.01 min

Lab File: VR026240.D

Acq: 20 Nov 2018 22:09

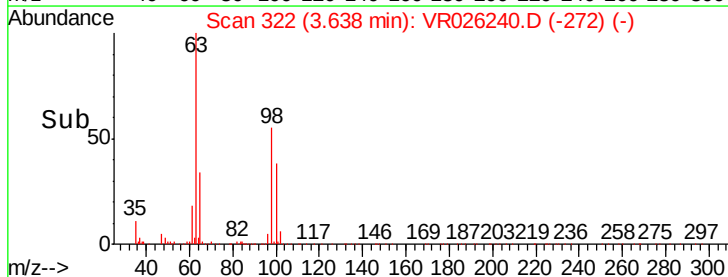
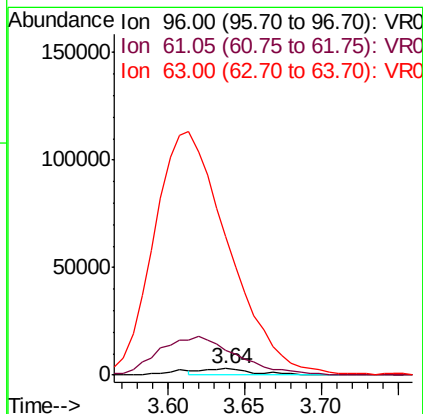
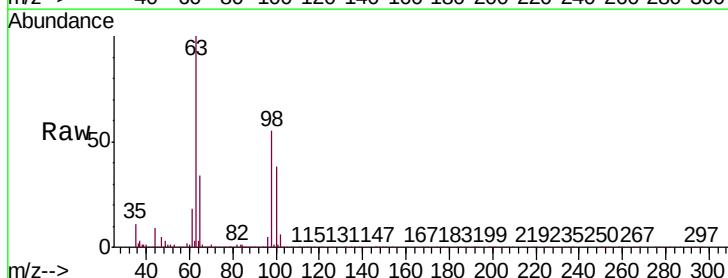
Tgt Ion: 96 Resp: 7420

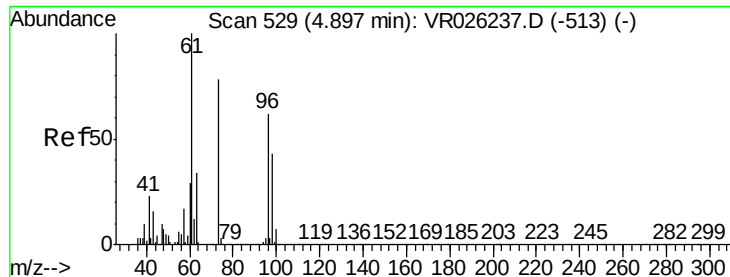
Ion Ratio Lower Upper

96 100

61 389.3 128.7 239.1#

63 2147.8 122.6 227.6#





#17

Methyl tert-butyl Ether

Concen: 11.630 ug/L

RT: 4.90 min Scan# 529

Delta R.T. 0.00 min

Lab File: VR026240.D

Acq: 20 Nov 2018 22:09

Instrument :

MSVOA_R

ClientSampleId :

H0FH2

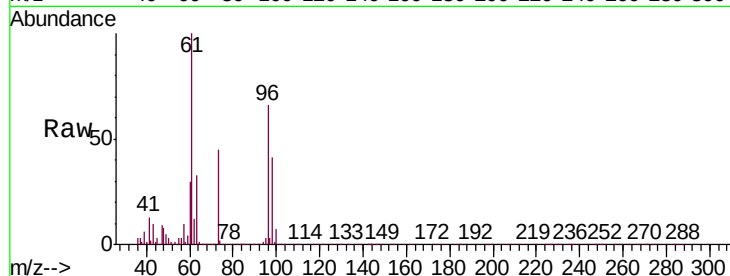
Tgt Ion: 73 Resp: 549789

Ion Ratio Lower Upper

73 100

43 23.2 19.0 28.4

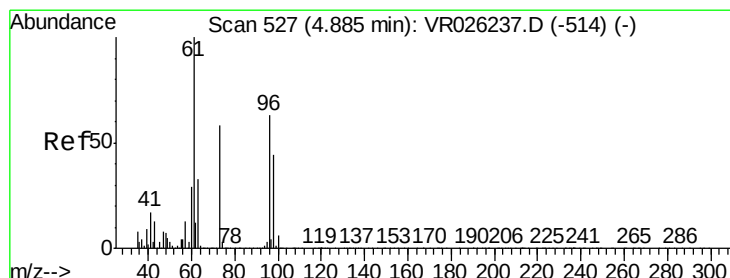
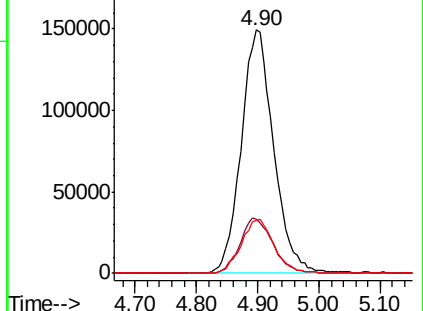
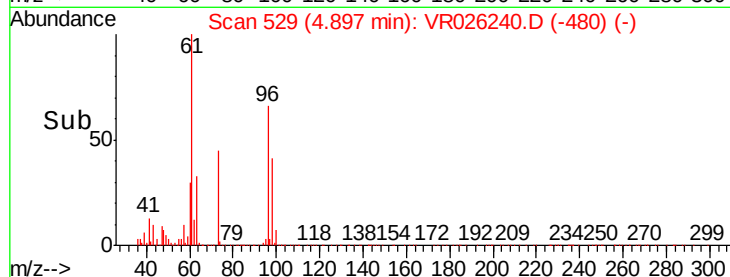
57 22.7 17.9 26.9



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: 16.949 ug/L

RT: 4.89 min Scan# 528

Delta R.T. 0.01 min

Lab File: VR026240.D

Acq: 20 Nov 2018 22:09

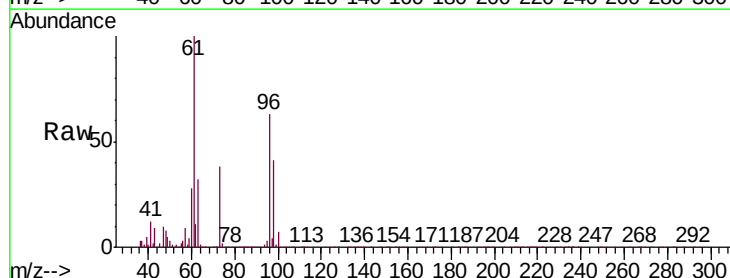
Tgt Ion: 96 Resp: 711845

Ion Ratio Lower Upper

96 100

61 159.0 105.4 195.8

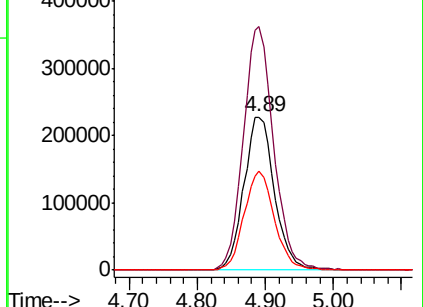
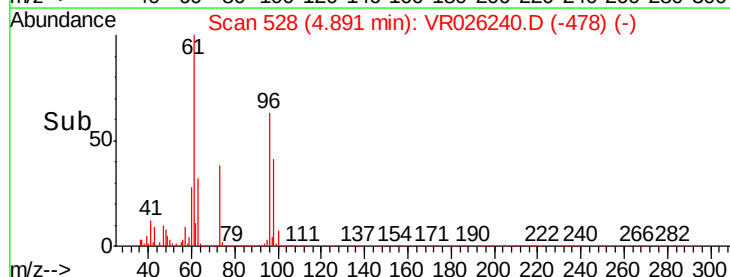
98 64.6 42.1 78.1

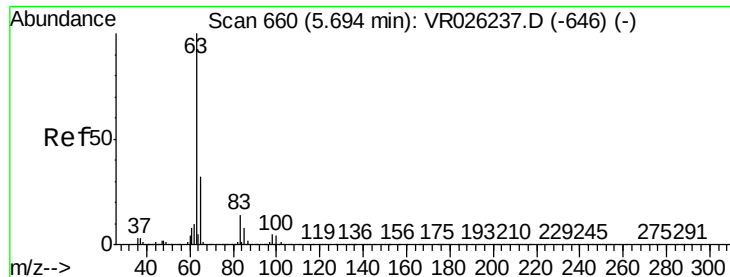


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 97.95 (97.65 to 98.65): VR0

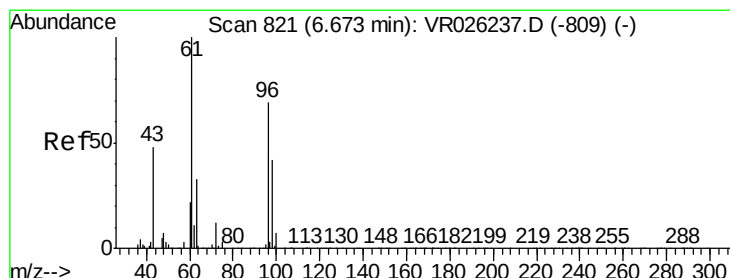
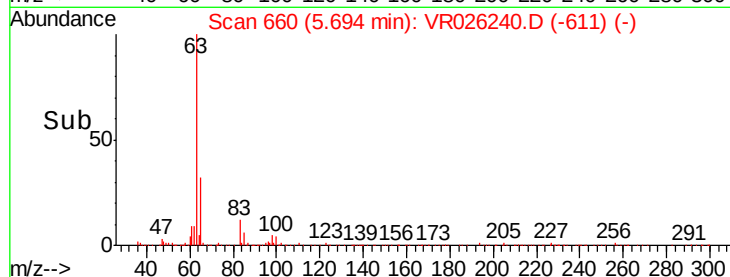
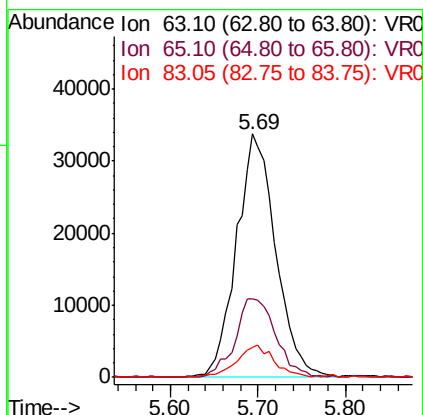
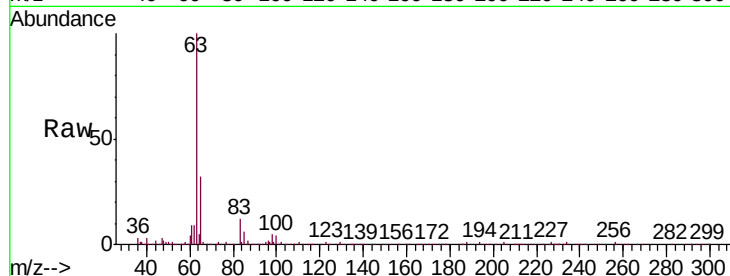




#19
 1,1-Dichloroethane
 Concen: 1.395 ug/L
 RT: 5.69 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VR026240.D
 Acq: 20 Nov 2018 22:09

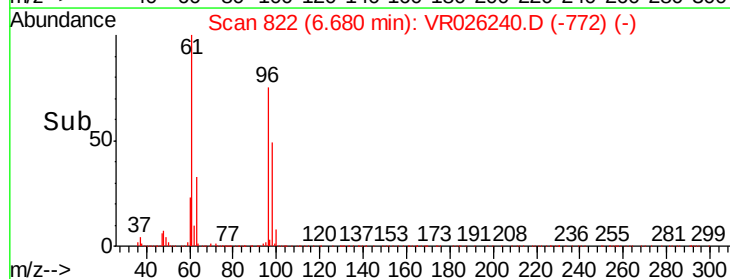
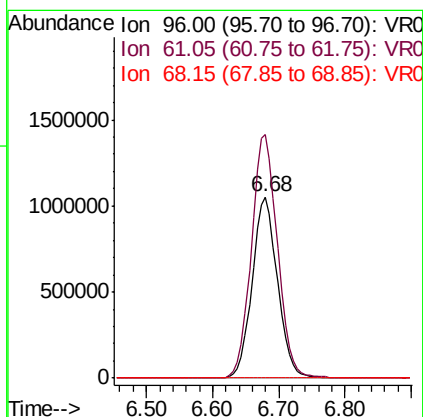
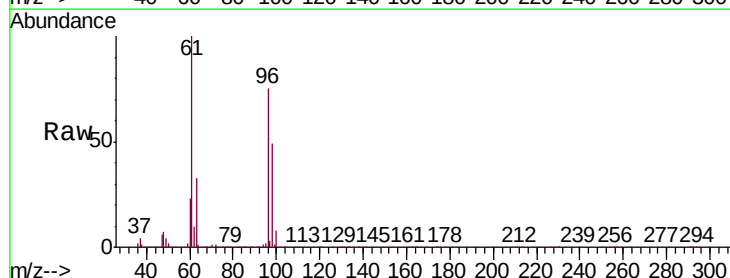
Instrument :
 MSVOA_R
 ClientSampleId :
 H0FH2

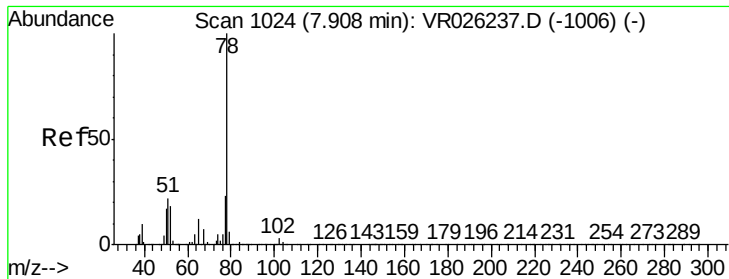
Tgt Ion:	63	Resp:	105125
Ion	Ratio	Lower	Upper
63	100		
65	32.2	21.1	39.3
83	12.0	9.9	18.5



#22
 cis-1,2-Dichloroethene
 Concen: 73.939 ug/L
 RT: 6.68 min Scan# 822
 Delta R.T. 0.01 min
 Lab File: VR026240.D
 Acq: 20 Nov 2018 22:09

Tgt Ion:	96	Resp:	2798471
Ion	Ratio	Lower	Upper
96	100		
61	134.2	94.8	176.2
68	0.0	0.0	0.0





#33

Benzene

Concen: 0.311 ug/L

RT: 7.90 min Scan# 1023

Delta R.T. -0.01 min

Lab File: VR026240.D

Acq: 20 Nov 2018 22:09

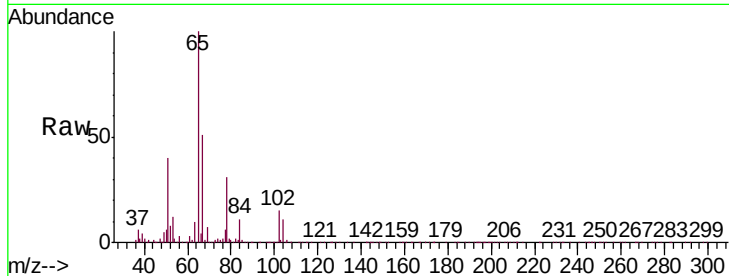
Instrument :

MSVOA_R

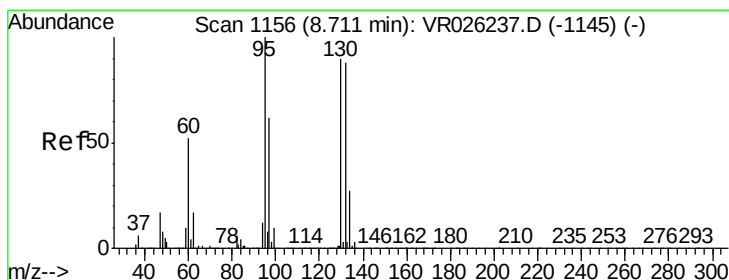
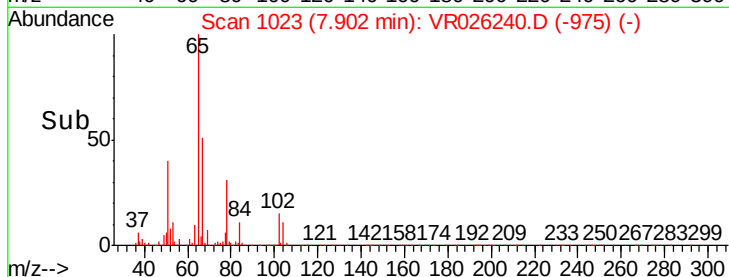
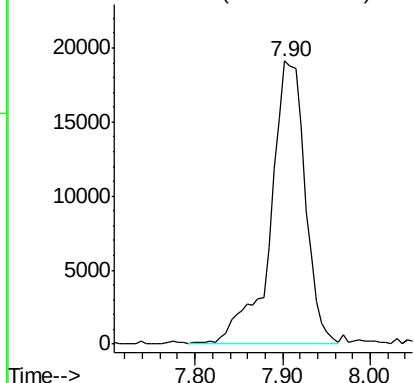
ClientSampleId :

H0FH2

Tgt Ion: 78 Resp: 52058



Abundance Ion 78.10 (77.80 to 78.80): VR0



#34

Trichloroethene

Concen: 69.828 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VR026240.D

Acq: 20 Nov 2018 22:09

Tgt Ion: 95 Resp: 3097721

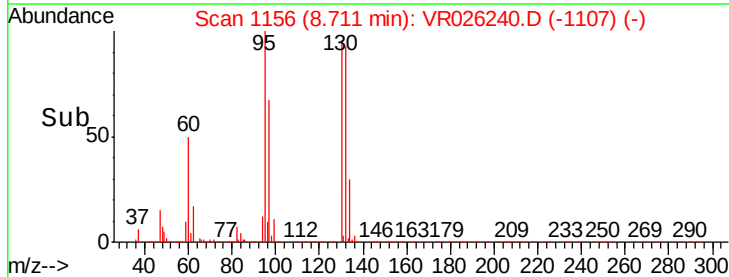
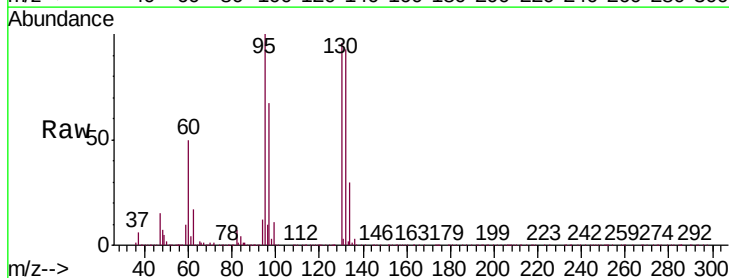
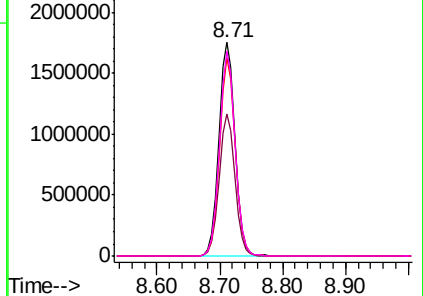
Ion	Ratio	Lower	Upper
95	100		
97	66.6	45.1	83.7
132	93.0	59.8	111.0
130	95.8	61.4	114.0

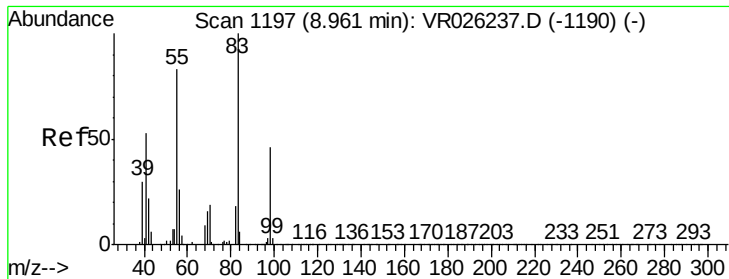
Abundance Ion 95.00 (94.70 to 95.70): VR0

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

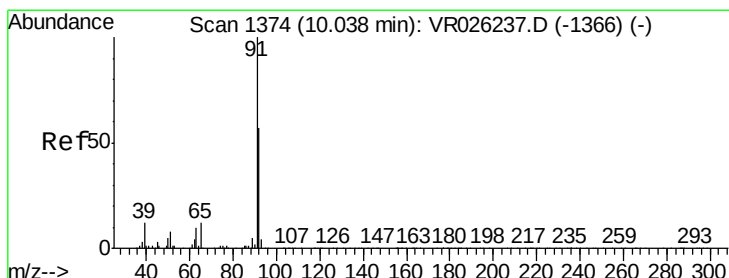
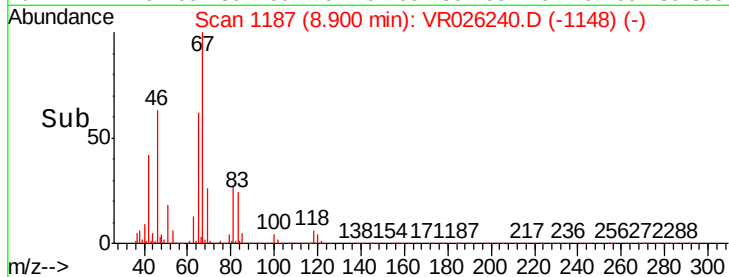
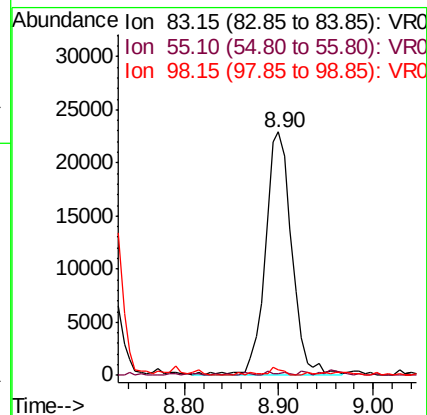
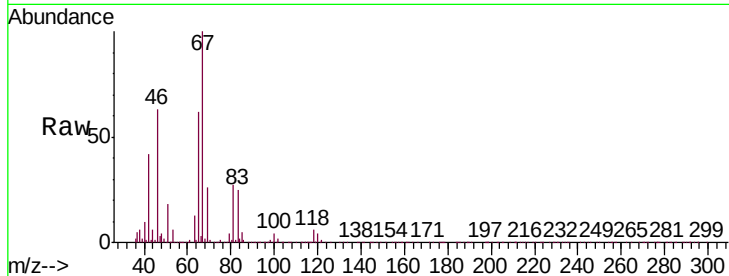




#35
Methylcyclohexane
Concen: 0.766 ug/L
RT: 8.90 min Scan# 1187
Delta R.T. -0.06 min
Lab File: VR026240.D
Acq: 20 Nov 2018 22:09

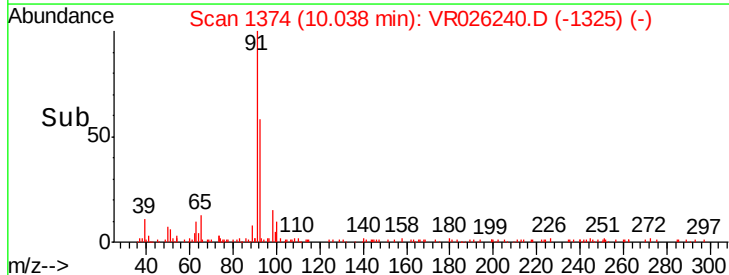
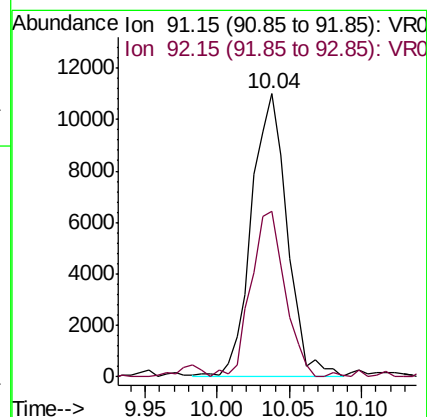
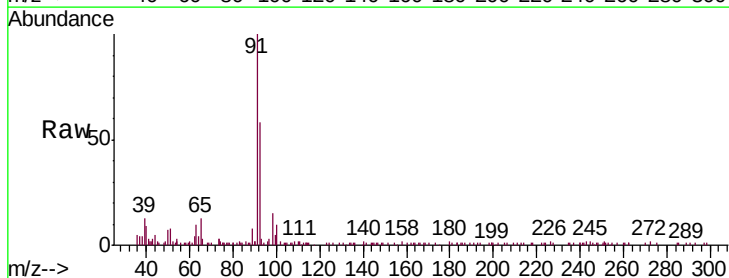
Instrument :
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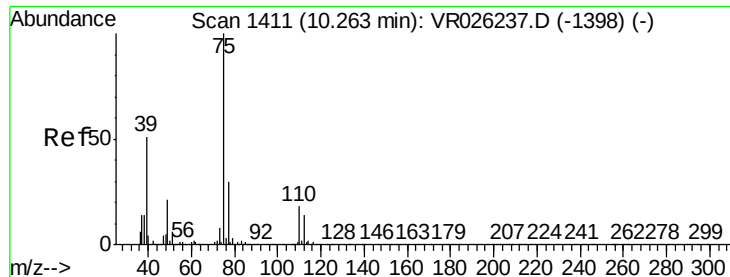
Tgt Ion: 83 Resp: 45258
Ion Ratio Lower Upper
83 100
55 1.0 66.6 100.0#
98 0.0 35.5 53.3#



#42
Toluene
Concen: 0.094 ug/L
RT: 10.04 min Scan# 1374
Delta R.T. 0.00 min
Lab File: VR026240.D
Acq: 20 Nov 2018 22:09

Tgt Ion: 91 Resp: 18747
Ion Ratio Lower Upper
91 100
92 58.3 39.5 73.3





#44

trans-1,3-Dichloropropene

Concen: 0.096 ug/L

RT: 10.24 min Scan# 1407

Delta R.T. -0.02 min

Lab File: VR026240.D

Acq: 20 Nov 2018 22:09

Instrument :

MSVOA_R

ClientSampleId :

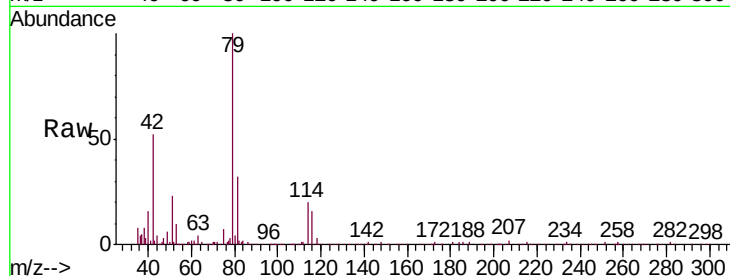
H0FH2

Tgt Ion: 75 Resp: 2599

Ion Ratio Lower Upper

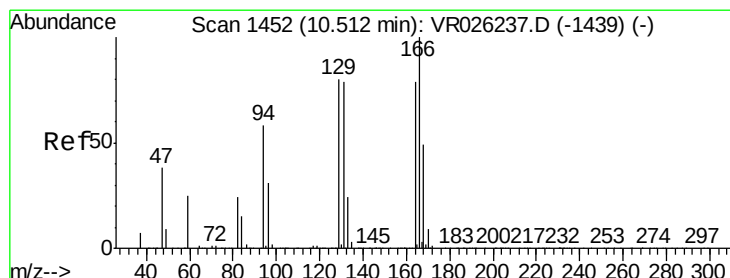
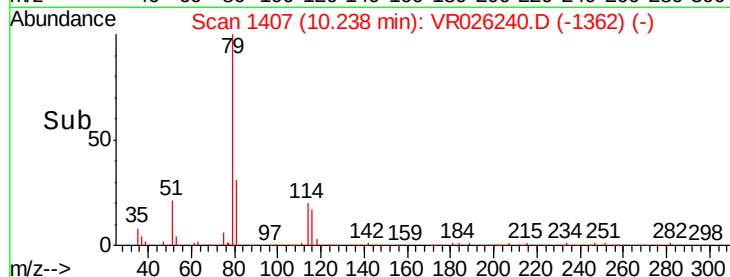
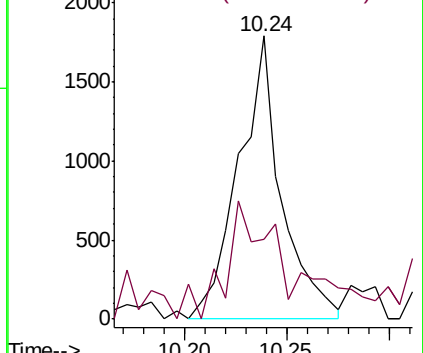
75 100

77 28.0 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0



#47

Tetrachloroethene

Concen: 1.341 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VR026240.D

Acq: 20 Nov 2018 22:09

Tgt Ion: 164 Resp: 43704

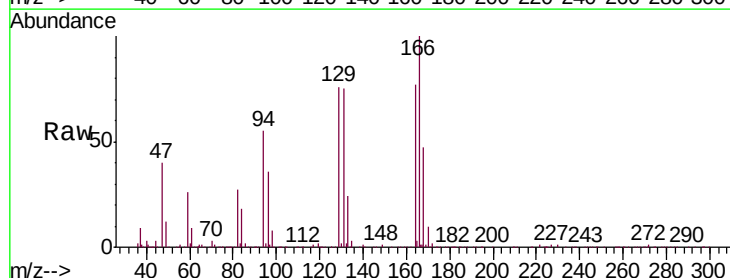
Ion Ratio Lower Upper

164 100

129 98.7 74.6 138.6

131 97.2 69.8 129.6

166 129.7 94.5 175.5

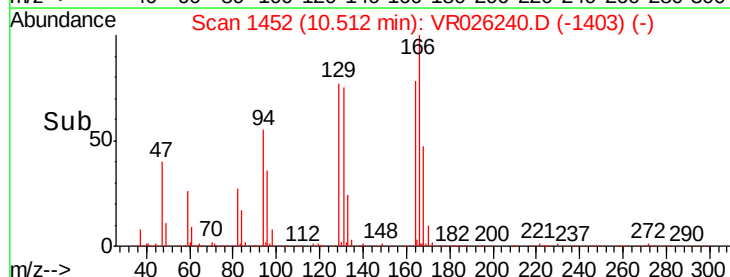
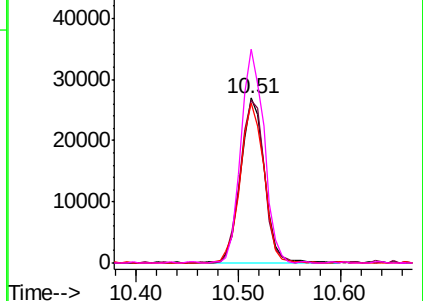


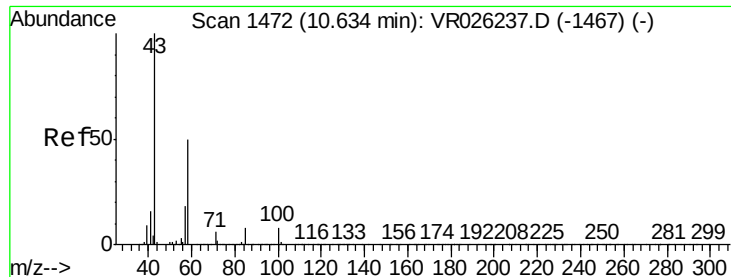
Abundance Ion 163.90 (163.60 to 164.60): V

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

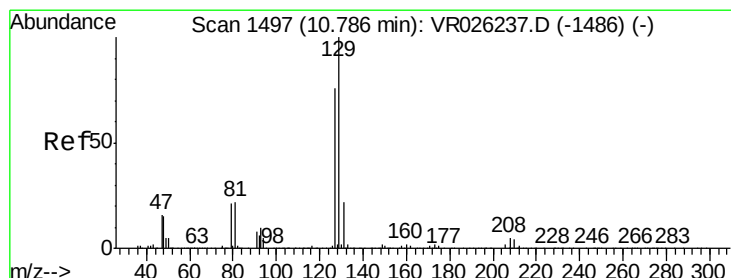
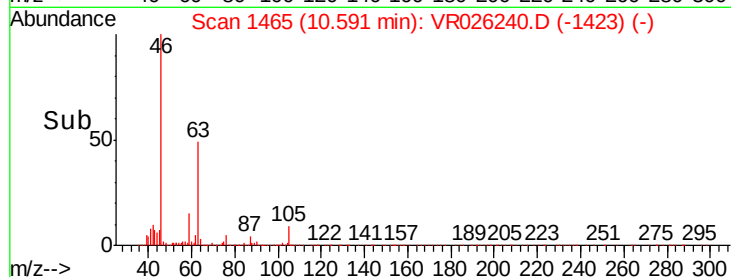
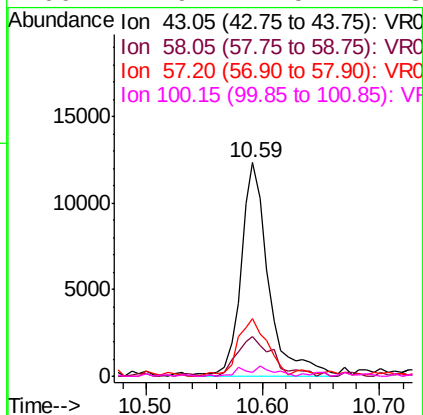
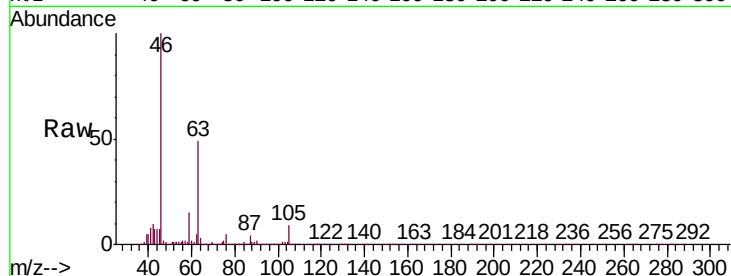




#48
2-Hexanone
Concen: 3.156 ug/L
RT: 10.59 min Scan# 1465
Delta R.T. -0.04 min
Lab File: VR026240.D
Acq: 20 Nov 2018 22:09

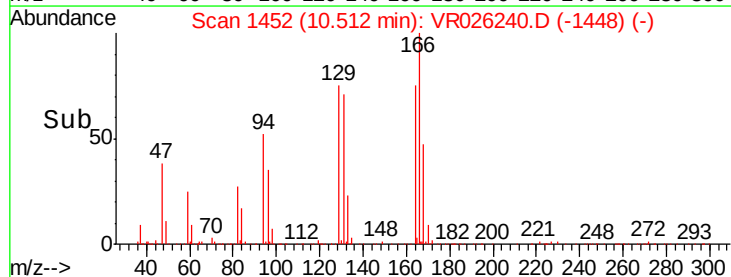
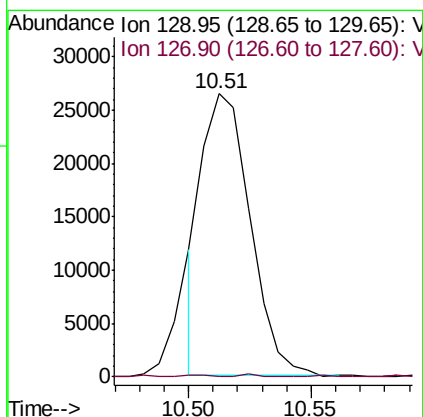
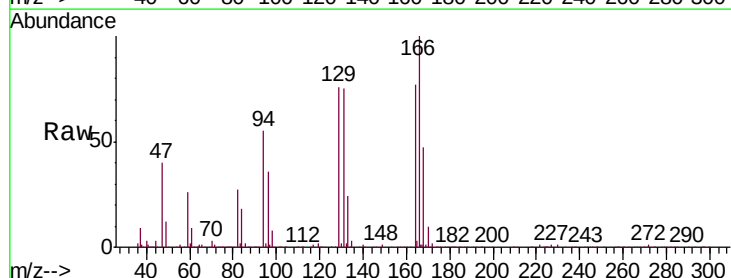
Instrument :
MSVOA_R
ClientSampleId :
H0FH2

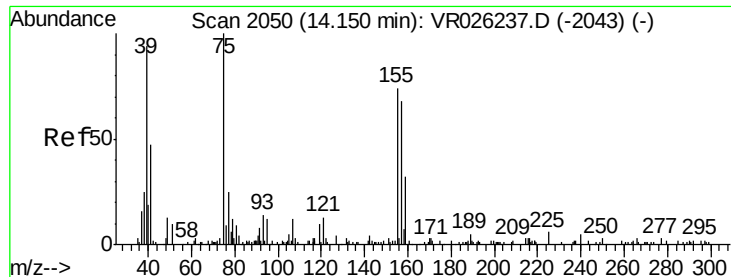
Tgt Ion:	43	Resp:	20424
Ion	Ratio	Lower	Upper
43	100		
58	24.2	41.3	61.9#
57	29.6	14.5	21.7#
100	2.9	7.5	11.3#



#49
Dibromochloromethane
Concen: 1.994 ug/L
RT: 10.51 min Scan# 1452
Delta R.T. -0.27 min
Lab File: VR026240.D
Acq: 20 Nov 2018 22:09

Tgt Ion:	129	Resp:	36147
Ion	Ratio	Lower	Upper
129	100		
127	0.3	52.8	98.0#





#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.182 ug/L
 RT: 14.16 min Scan# 2051
 Delta R.T. 0.01 min
 Lab File: VR026240.D
 Acq: 20 Nov 2018 22:09

Instrument :
 MSVOA_R
 ClientSampleId :
 H0FH2

Tgt Ion	Ratio	Lower	Upper
75	100		
155	22.7	46.0	69.0#
157	0.0	65.5	98.3#

