

Data File : VR026420.D
Acq On : 28 Feb 2019 15:44
Operator : SY/MD
Sample : K1588-10DL 5X
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
C09L9DL

Quant Time: Mar 01 06:34:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR022219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Mar 01 06:30:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	506967	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	406044	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	123103	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.14	65	183506	3.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.00%
7) Chloroethane-d5	2.62	69	155783	3.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.60%
11) 1,1-Dichloroethene-d2	3.60	63	378307	3.25	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.00%
20) 2-Butanone-d5	6.59	46	173847	48.03	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.06%
24) Chloroform-d	7.20	84	331514	4.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.00%
26) 1,2-Dichloroethane-d4	7.89	65	142452	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.80%
32) Benzene-d6	7.85	84	607179	3.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.60%
36) 1,2-Dichloropropane-d6	8.89	67	163319	4.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.40%
41) Toluene-d8	9.97	98	518303	3.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.40%
43) trans-1,3-Dichloropropene-	10.24	79	37421	3.66	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.20%
46) 2-Hexanone-d5	10.59	63	140707	54.62	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.24%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	60636	4.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.60%
64) 1,2-Dichlorobenzene-d4	13.52	152	101974	4.80	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.00%

Target Compounds

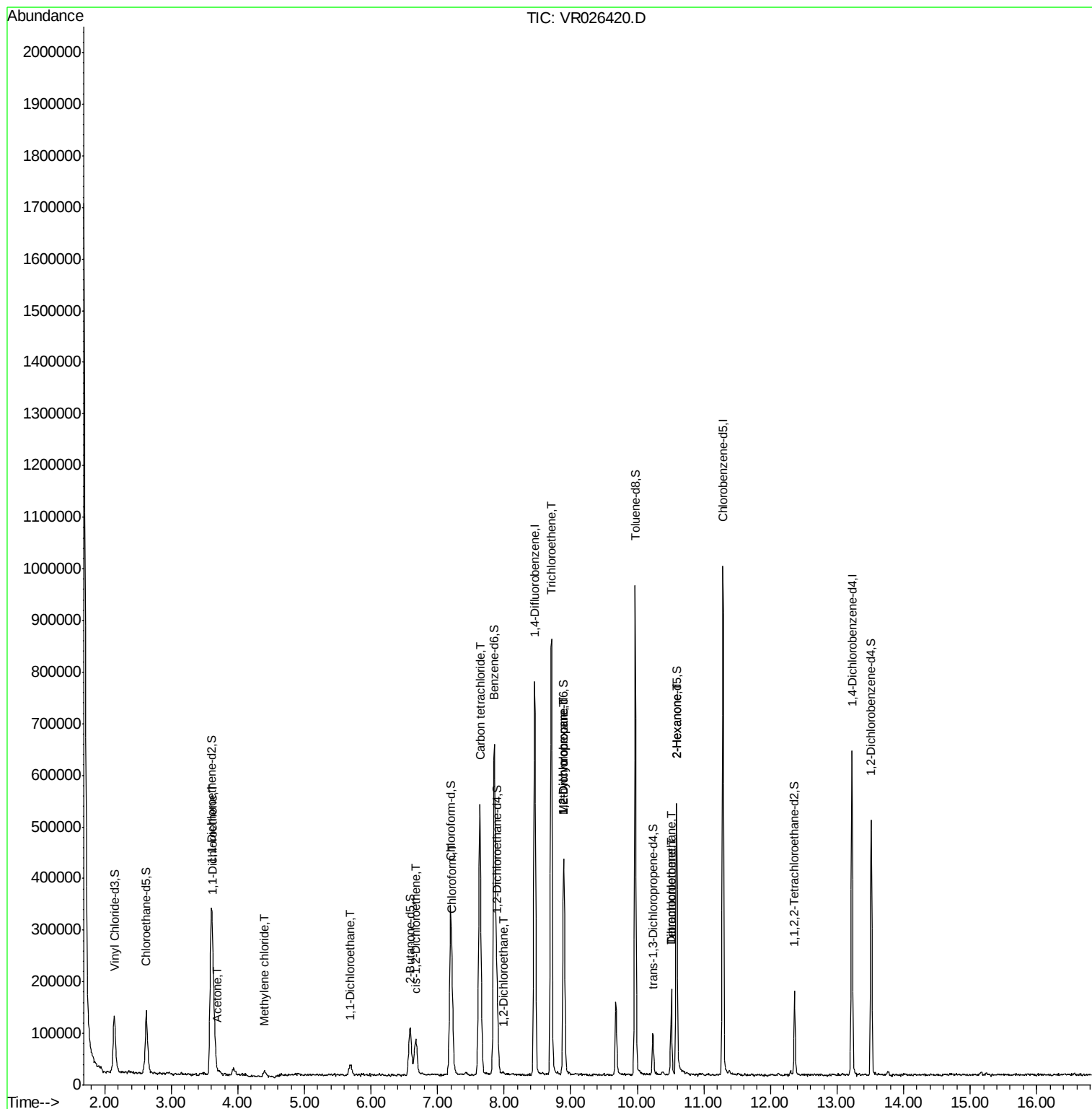
					Qvalue	
12) 1,1-Dichloroethene	3.63	96	46680	1.054	ug/L #	1
13) Acetone	3.69	43	4988	1.532	ug/L	97
16) Methylene chloride	4.40	84	6391	0.165	ug/L #	86
19) 1,1-Dichloroethane	5.69	63	29004	0.392	ug/L #	82
22) cis-1,2-Dichloroethene	6.67	96	30606	0.902	ug/L #	98
25) Chloroform	7.22	83	44519	0.627	ug/L	93
27) 1,2-Dichloroethane	7.99	62	3597	0.107	ug/L #	19
31) Carbon tetrachloride	7.63	117	382814	6.999	ug/L	98
34) Trichloroethene	8.71	95	271134	6.907	ug/L	97
35) Methylcyclohexane	8.89	83	41385	0.743	ug/L #	16
37) 1,2-Dichloropropane	8.89	63	22739	0.686	ug/L #	88
47) Tetrachloroethene	10.51	164	27405	0.963	ug/L	94
48) 2-Hexanone	10.59	43	23472	3.749	ug/L #	67
49) Dibromochloromethane	10.51	129	25425	1.494	ug/L #	13

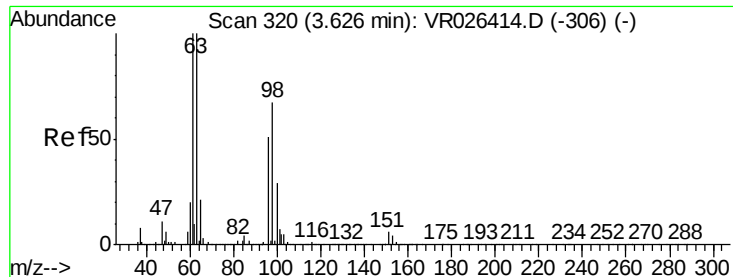
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 1.054 ug/L

RT: 3.63 min Scan# 320

Delta R.T. 0.00 min

Lab File: VR026420.D

Acq: 28 Feb 2019 15:44

Instrument :

MSVOA_R

ClientSampleID :

C09L9DL

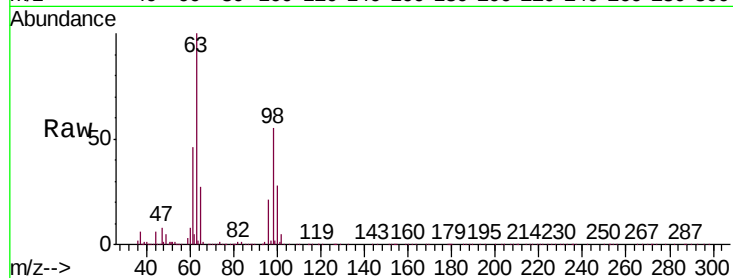
Tgt Ion: 96 Resp: 46680

Ion Ratio Lower Upper

96 100

61 223.8 135.9 252.5

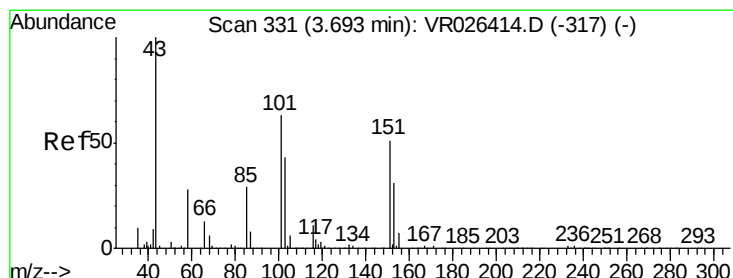
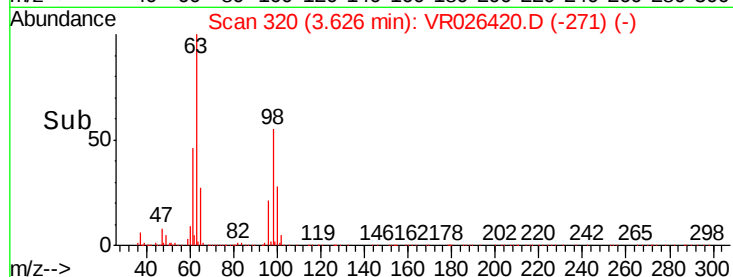
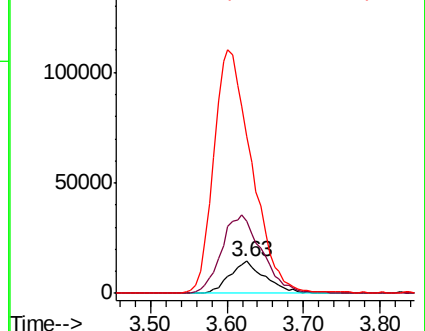
63 484.5 136.6 253.6#



Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0



#13

Acetone

Concen: 1.532 ug/L

RT: 3.69 min Scan# 331

Delta R.T. 0.00 min

Lab File: VR026420.D

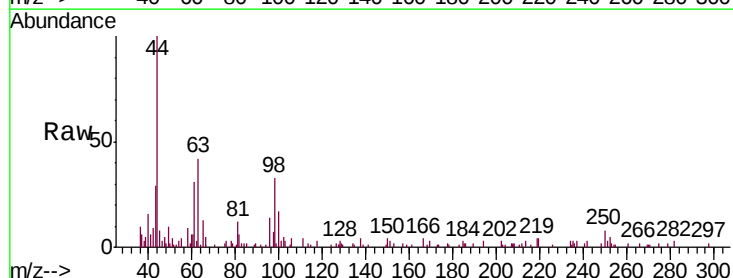
Acq: 28 Feb 2019 15:44

Tgt Ion: 43 Resp: 4988

Ion Ratio Lower Upper

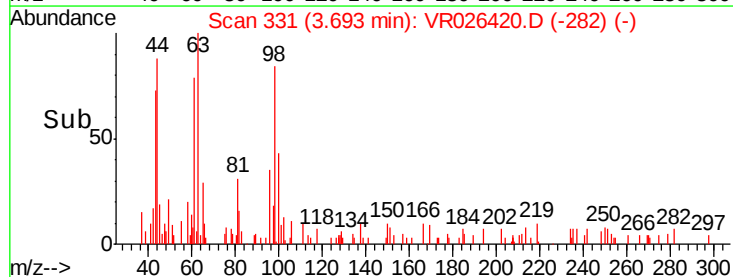
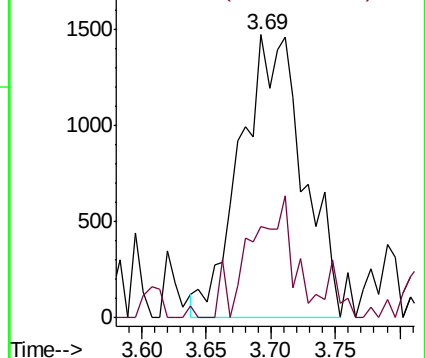
43 100

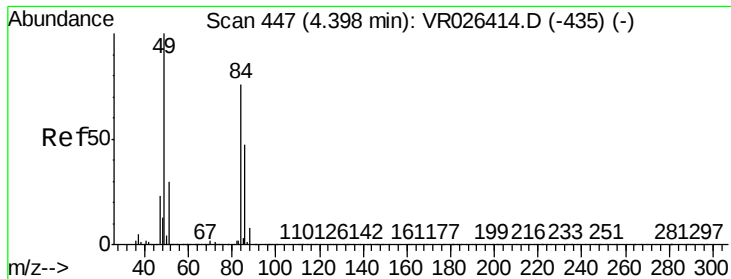
58 27.6 0.0 52.2



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

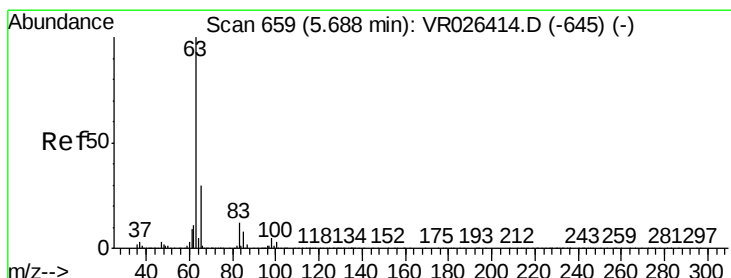
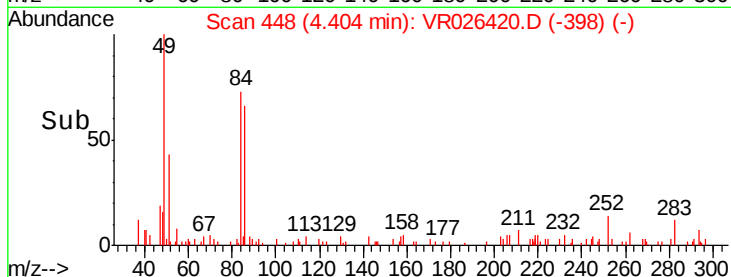
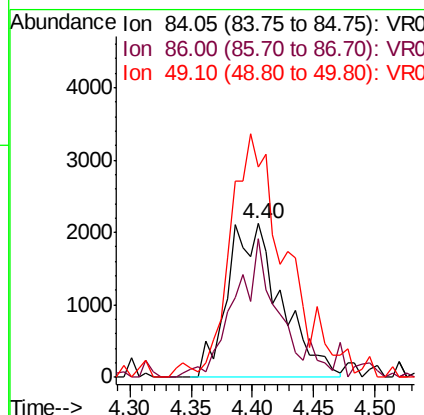
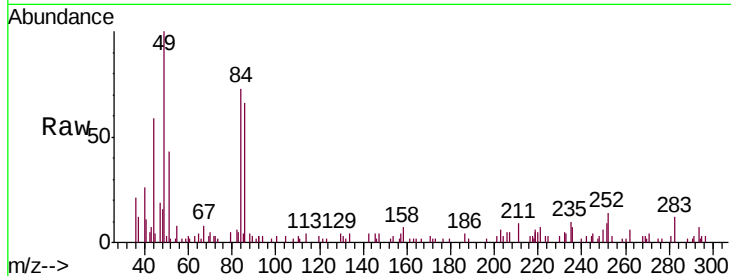




#16
Methylene chloride
Concen: 0.165 ug/L
RT: 4.40 min Scan# 448
Delta R.T. 0.01 min
Lab File: VR026420.D
Acq: 28 Feb 2019 15:44

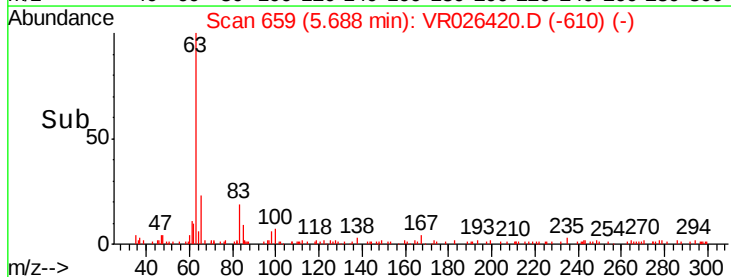
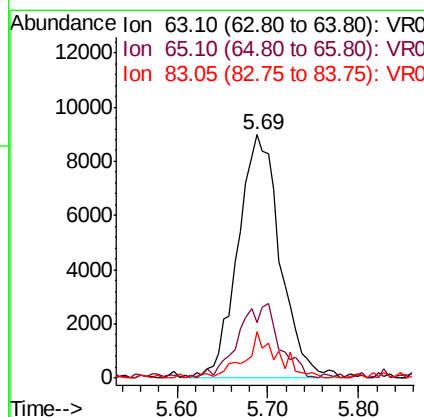
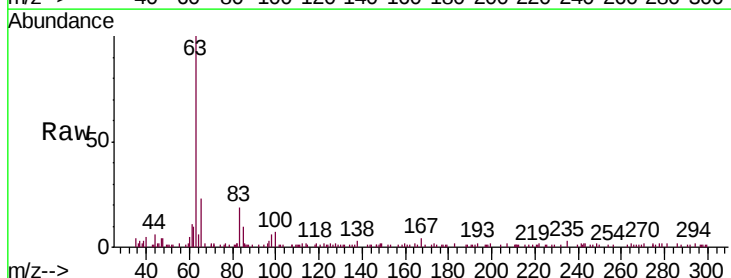
Instrument :
MSVOA_R
ClientSampled :
C09L9DL

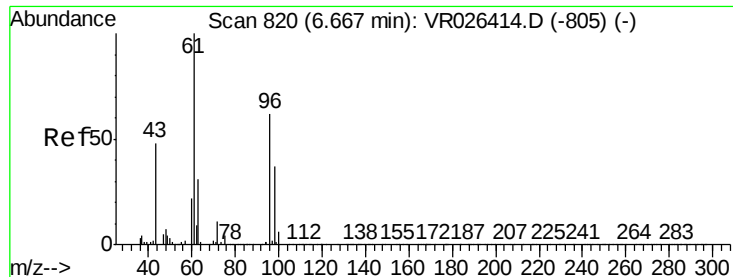
Tgt Ion: 84 Resp: 6391
Ion Ratio Lower Upper
84 100
86 90.2 42.1 78.3#
49 136.7 93.8 174.2



#19
1,1-Dichloroethane
Concen: 0.392 ug/L
RT: 5.69 min Scan# 659
Delta R.T. 0.00 min
Lab File: VR026420.D
Acq: 28 Feb 2019 15:44

Tgt Ion: 63 Resp: 29004
Ion Ratio Lower Upper
63 100
65 22.7 23.6 43.8#
83 19.1 8.8 16.4#



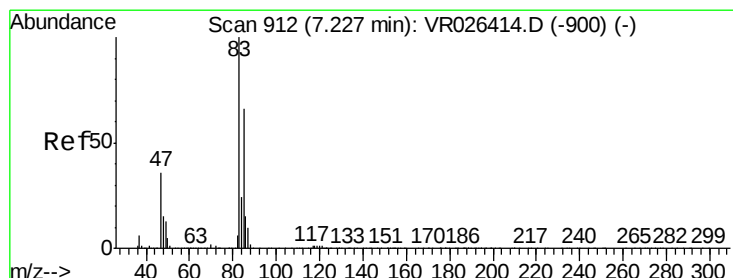
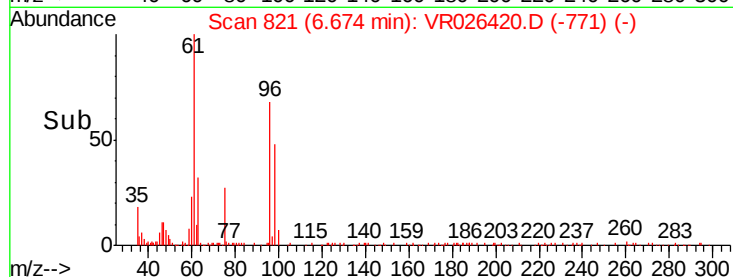
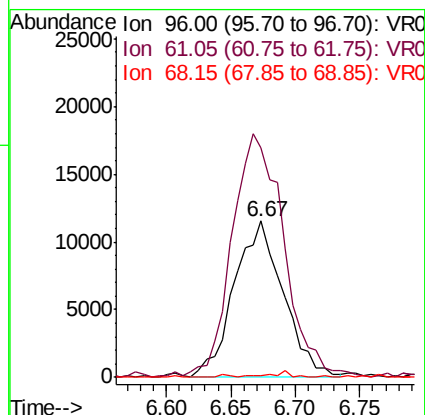
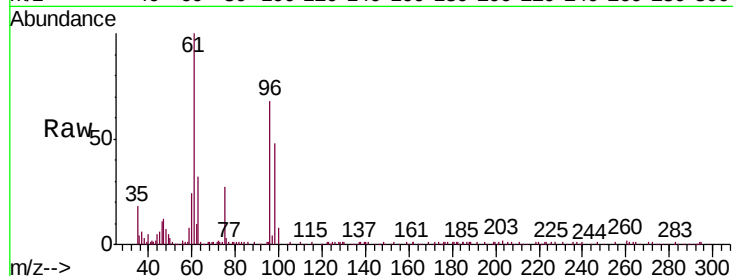


#22

cis-1,2-Dichloroethene
 Concen: 0.902 ug/L
 RT: 6.67 min Scan# 821
 Delta R.T. 0.01 min
 Lab File: VR026420.D
 Acq: 28 Feb 2019 15:44

Instrument :
 MSVOA_R
 ClientSampleID :
 C09L9DL

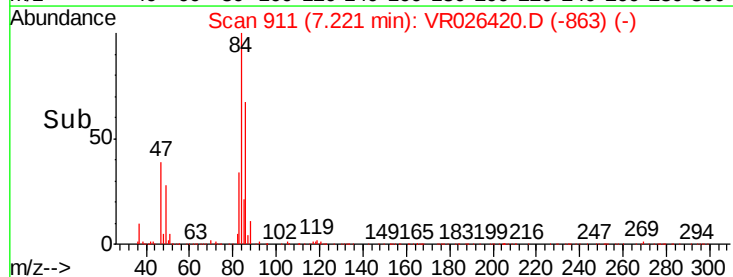
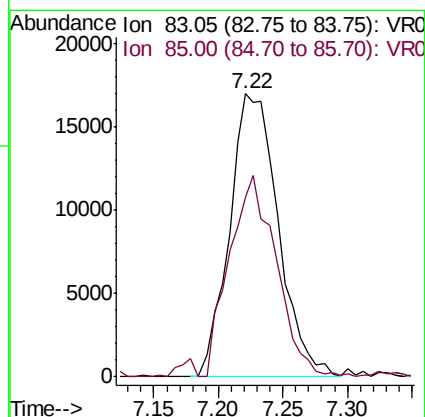
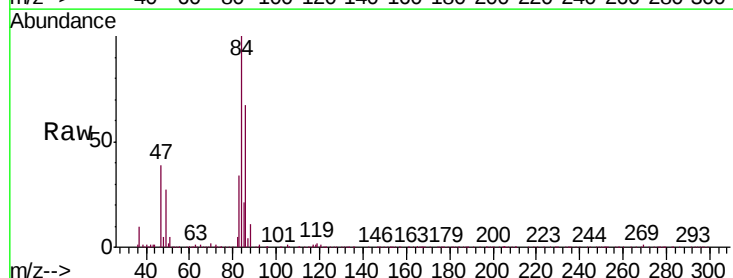
Tgt Ion: 96 Resp: 30606
 Ion Ratio Lower Upper
 96 100
 61 146.9 100.8 187.2
 68 1.0 0.1 0.1#

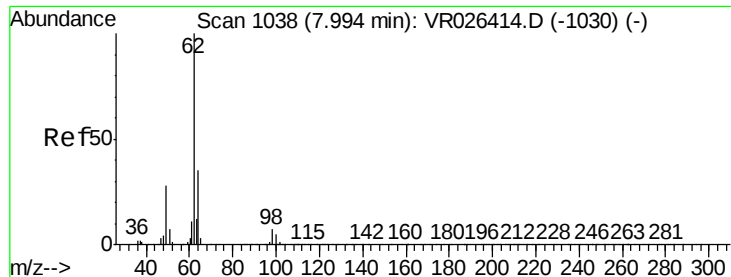


#25

Chloroform
 Concen: 0.627 ug/L
 RT: 7.22 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: VR026420.D
 Acq: 28 Feb 2019 15:44

Tgt Ion: 83 Resp: 44519
 Ion Ratio Lower Upper
 83 100
 85 63.6 48.6 90.2





#27

1,2-Dichloroethane

Concen: 0.107 ug/L

RT: 7.99 min Scan# 1037

Delta R.T. -0.01 min

Lab File: VR026420.D

Acq: 28 Feb 2019 15:44

Instrument :

MSVOA_R

ClientSampled :

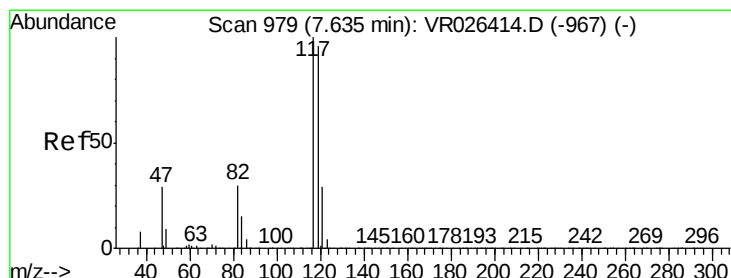
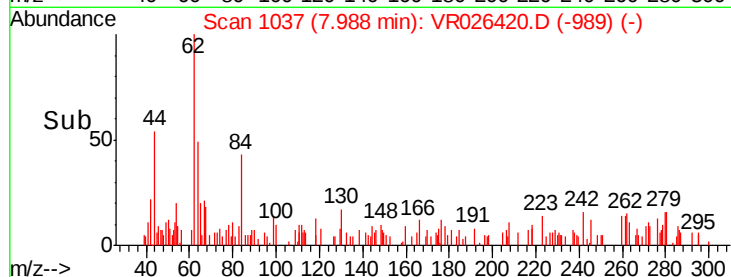
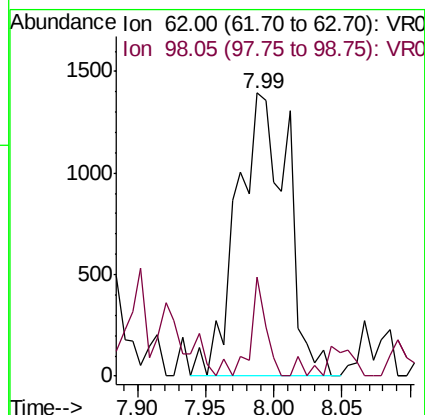
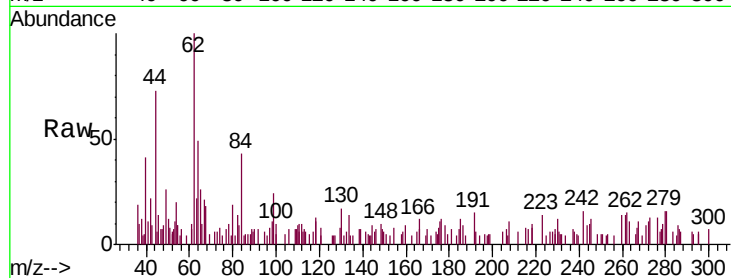
C09L9DL

Tgt Ion: 62 Resp: 3597

Ion Ratio Lower Upper

62 100

98 34.9 5.7 8.5#



#31

Carbon tetrachloride

Concen: 6.999 ug/L

RT: 7.63 min Scan# 979

Delta R.T. 0.00 min

Lab File: VR026420.D

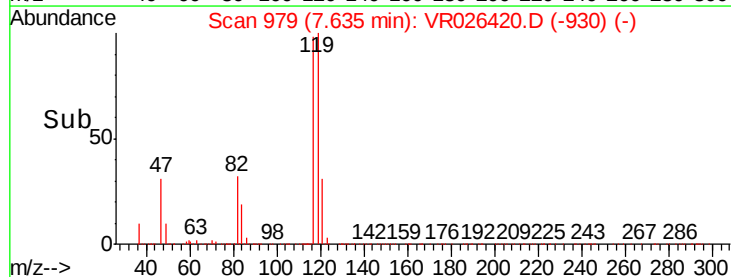
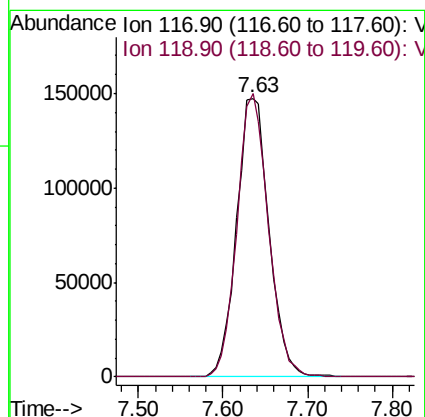
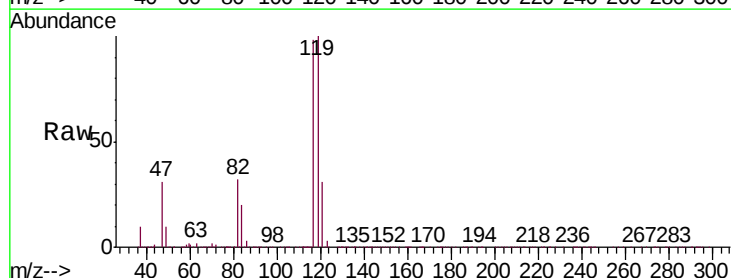
Acq: 28 Feb 2019 15:44

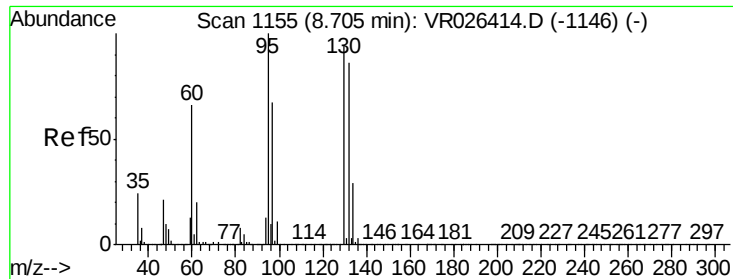
Tgt Ion: 117 Resp: 382814

Ion Ratio Lower Upper

117 100

119 98.0 77.0 115.6

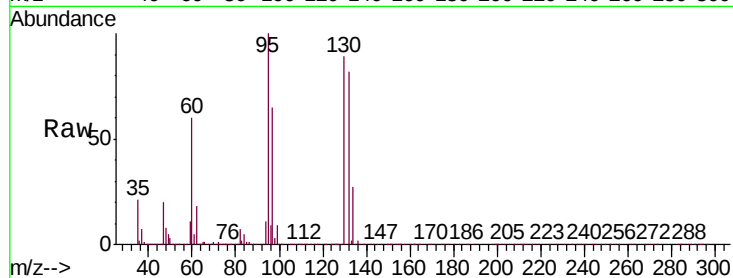




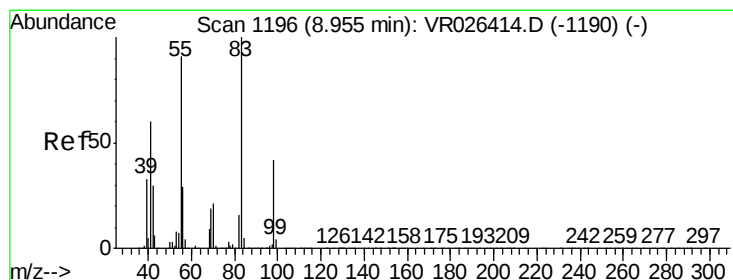
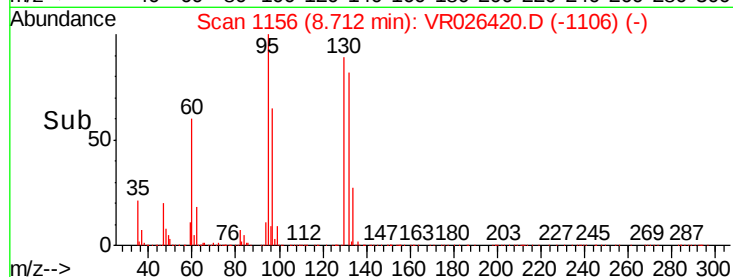
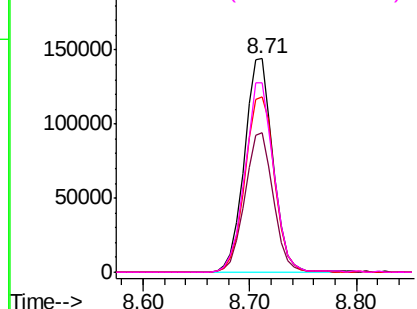
#34
 Trichloroethene
 Concen: 6.907 ug/L
 RT: 8.71 min Scan# 1156
 Delta R.T. 0.01 min
 Lab File: VR026420.D
 Acq: 28 Feb 2019 15:44

Instrument :
 MSVOA_R
 ClientSampleId :
 C09L9DL

Tgt Ion:	95	Resp:	271134
Ion	Ratio	Lower	Upper
95	100		
97	65.4	43.5	80.7
132	82.0	58.6	108.8
130	88.8	59.4	110.2

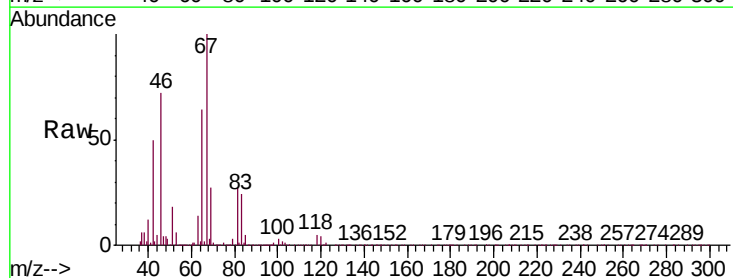


Abundance Ion 95.00 (94.70 to 95.70): VR0
 Ion 96.95 (96.65 to 97.65): VR0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

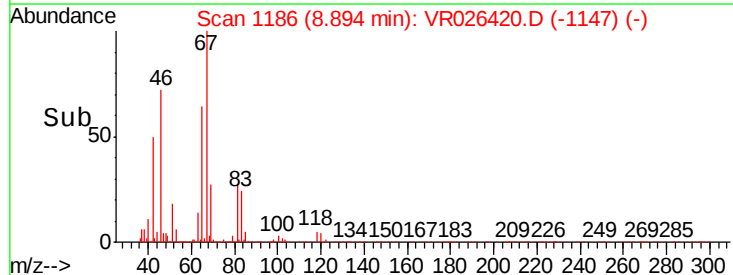
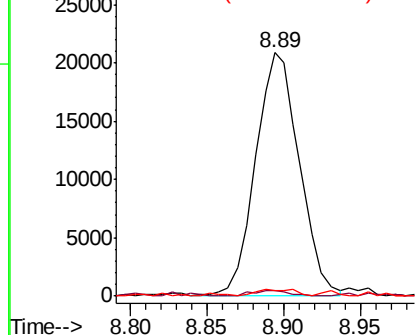


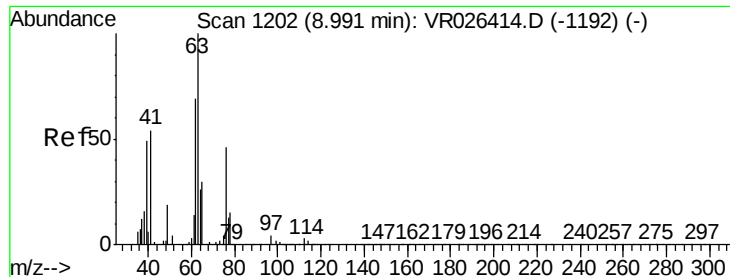
#35
 Methylcyclohexane
 Concen: 0.743 ug/L
 RT: 8.89 min Scan# 1186
 Delta R.T. -0.06 min
 Lab File: VR026420.D
 Acq: 28 Feb 2019 15:44

Tgt Ion:	83	Resp:	41385
Ion	Ratio	Lower	Upper
83	100		
55	2.0	72.2	108.2#
98	2.6	35.0	52.4#



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

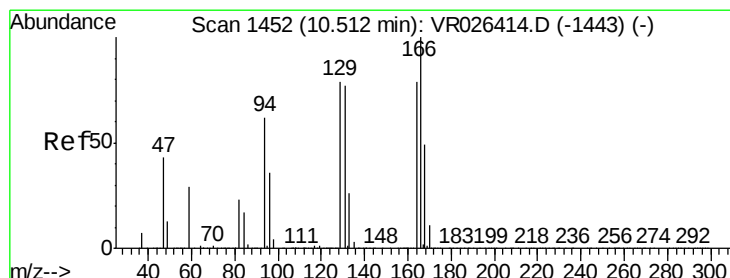
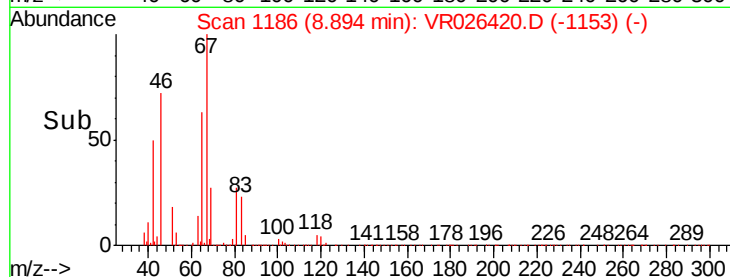
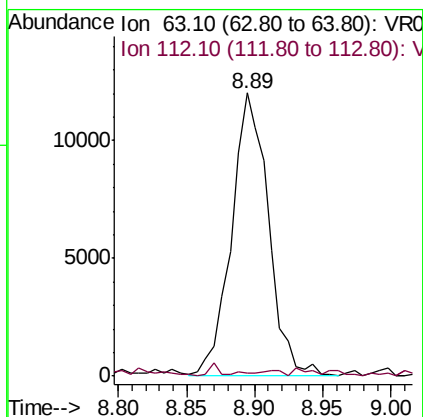
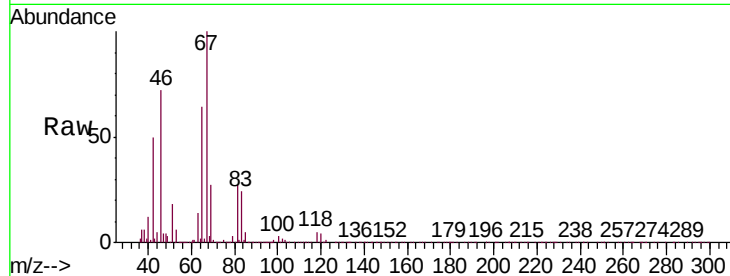




#37
 1,2-Dichloropropane
 Concen: 0.686 ug/L
 RT: 8.89 min Scan# 1186
 Delta R.T. -0.10 min
 Lab File: VR026420.D
 Acq: 28 Feb 2019 15:44

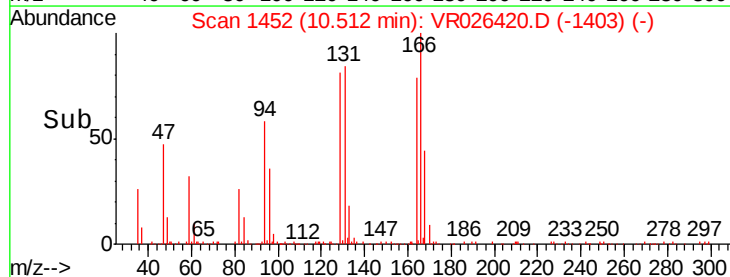
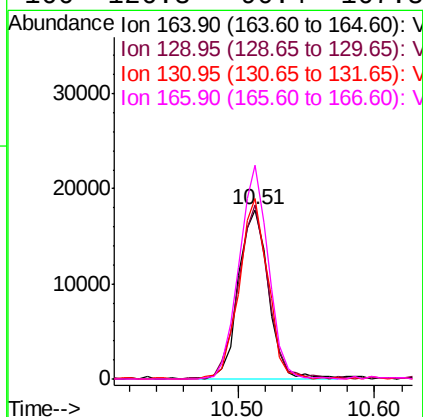
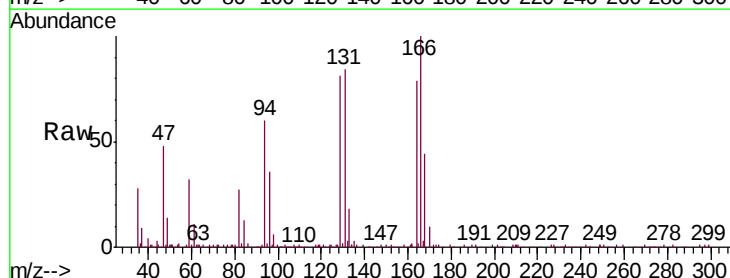
Instrument :
 MSVOA_R
 ClientSampleID :
 C09L9DL

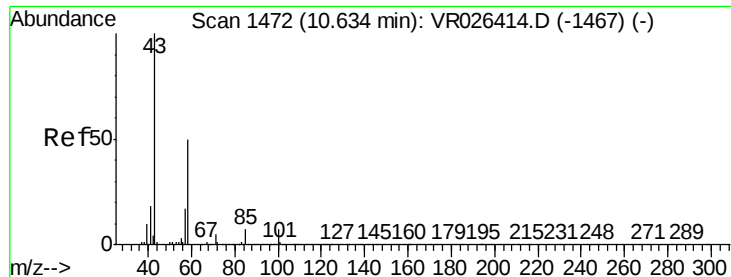
Tgt Ion: 63 Resp: 22739
 Ion Ratio Lower Upper
 63 100
 112 0.4 3.6 5.4#



#47
 Tetrachloroethene
 Concen: 0.963 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: VR026420.D
 Acq: 28 Feb 2019 15:44

Tgt Ion: 164 Resp: 27405
 Ion Ratio Lower Upper
 164 100
 129 102.7 67.2 124.8
 131 106.6 67.3 125.1
 166 126.3 90.4 167.8

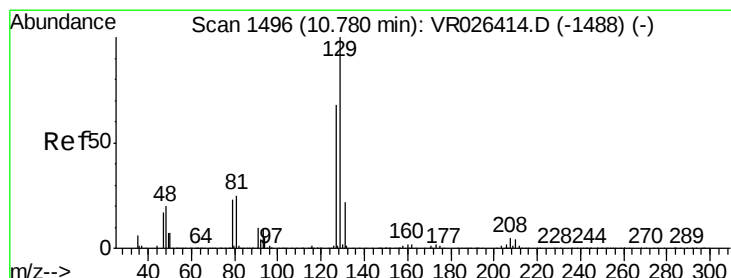
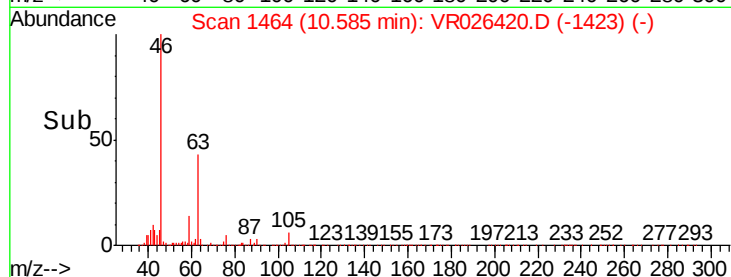
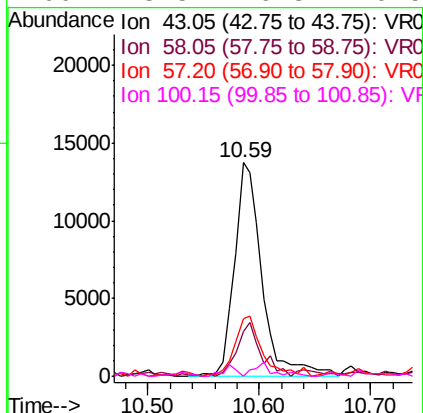
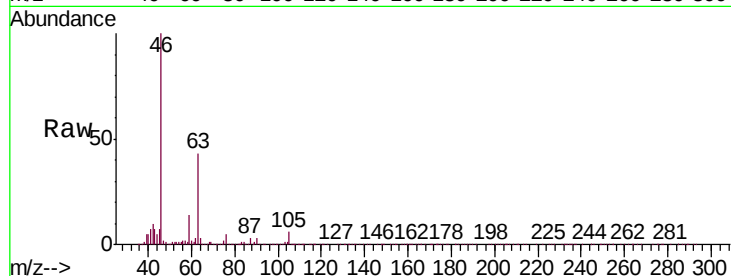




#48
2-Hexanone
Concen: 3.749 ug/L
RT: 10.59 min Scan# 1464
Delta R.T. -0.05 min
Lab File: VR026420.D
Acq: 28 Feb 2019 15:44

Instrument :
MSVOA_R
ClientSampleId :
C09L9DL

Tgt Ion:	43	Resp:	23472
Ion	Ratio	Lower	Upper
43	100		
58	22.1	38.4	57.6#
57	28.3	13.2	19.8#
100	3.5	6.3	9.5#



#49
Dibromochloromethane
Concen: 1.494 ug/L
RT: 10.51 min Scan# 1452
Delta R.T. -0.27 min
Lab File: VR026420.D
Acq: 28 Feb 2019 15:44

Tgt Ion:	129	Resp:	25425
Ion	Ratio	Lower	Upper
129	100		
127	1.0	52.1	96.7#

