

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR022719\
 Data File : VR026405.D
 Acq On : 27 Feb 2019 15:39
 Operator : SY/MD
 Sample : K1588-10
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 C09L9

Quant Time: Feb 28 07:56:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR022219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Feb 28 07:30:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	544069	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	435427	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	132076	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	145798	2.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	54.80%
7) Chloroethane-d5	2.62	69	143571	3.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	65.80%
11) 1,1-Dichloroethene-d2	3.61	63	440725	3.53	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.60%
20) 2-Butanone-d5	6.59	46	185955	47.87	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.74%
24) Chloroform-d	7.20	84	332027	3.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.60%
26) 1,2-Dichloroethane-d4	7.90	65	138447	3.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.60%
32) Benzene-d6	7.85	84	566690	3.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	69.20%#
36) 1,2-Dichloropropane-d6	8.90	67	162410	3.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	78.20%
41) Toluene-d8	9.97	98	479741	3.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	65.00%#
43) trans-1,3-Dichloropropene-	10.23	79	32828	3.00	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	60.00%
46) 2-Hexanone-d5	10.59	63	143869	52.08	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.16%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	60475	3.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	76.80%
64) 1,2-Dichlorobenzene-d4	13.52	152	103161	4.52	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.40%

Target Compounds

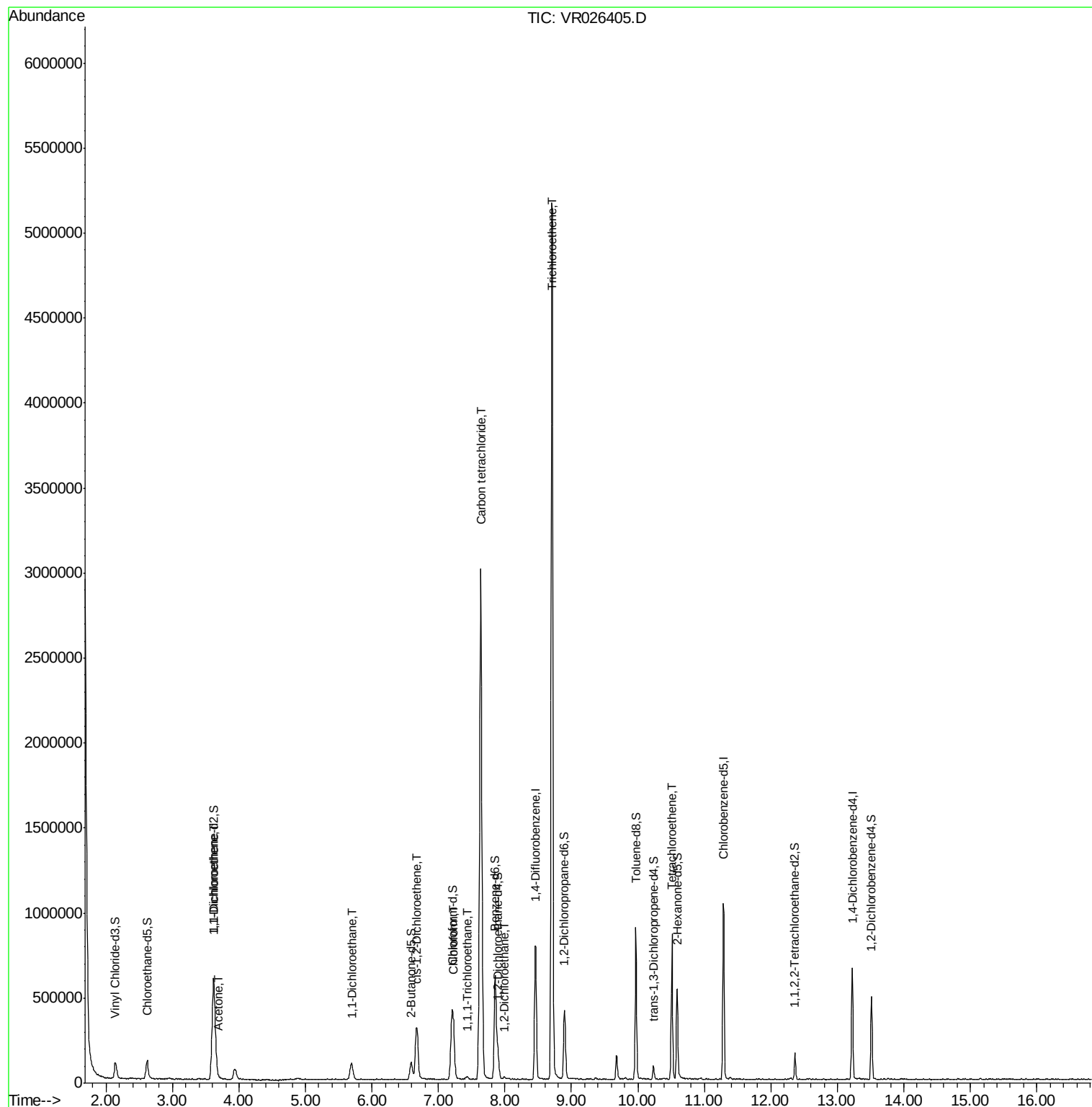
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	3.63	96	215510	4.534	ug/L	79
13) Acetone	3.70	43	11171	3.197	ug/L	87
19) 1,1-Dichloroethane	5.69	63	138244	1.741	ug/L	97
22) cis-1,2-Dichloroethene	6.67	96	167797	4.609	ug/L #	90
25) Chloroform	7.23	83	226913	2.979	ug/L	94
27) 1,2-Dichloroethane	7.98	62	11420	0.317	ug/L	98
29) 1,1,1-Trichloroethane	7.43	97	13105	0.208	ug/L	98
31) Carbon tetrachloride	7.63	117	2139875	36.484	ug/L	100
34) Trichloroethene	8.71	95	1649723	39.190	ug/L	97
47) Tetrachloroethene	10.51	164	146745	4.808	ug/L	95

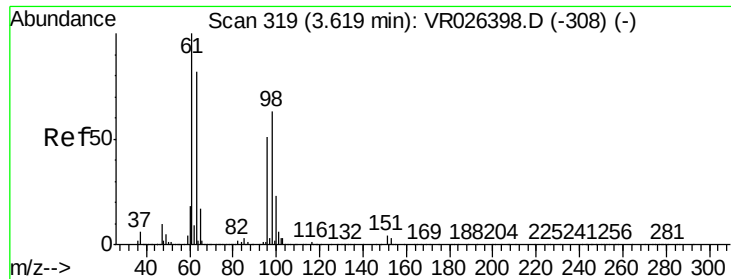
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Feb 28 07:30:14 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 4.534 ug/L

RT: 3.63 min Scan# 320

Delta R.T. 0.01 min

Lab File: VR026405.D

Acq: 27 Feb 2019 15:39

Instrument :

MSVOA_R

ClientSampled :

C09L9

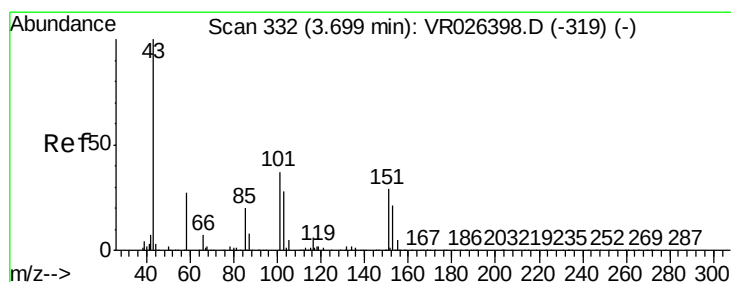
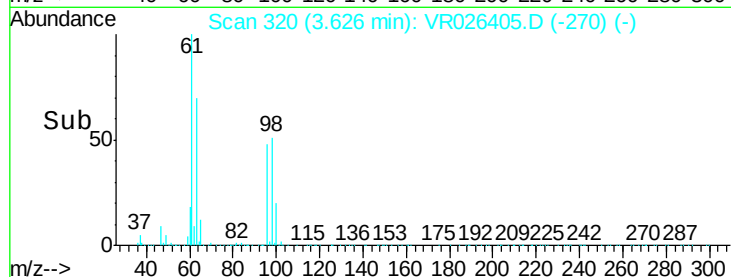
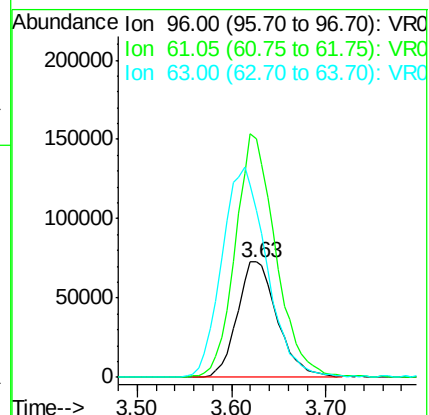
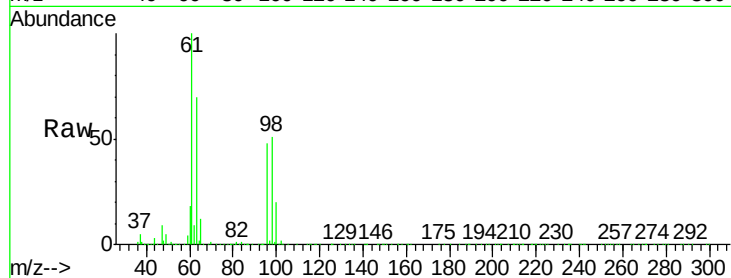
Tot Ion: 96 Resp: 215510

Ion Ratio Lower Upper

96 100

61 207.2 135.9 252.5

63 145.2 136.6 253.6



#13

Acetone

Concen: 3.197 ug/L

RT: 3.70 min Scan# 332

Delta R.T. 0.00 min

Lab File: VR026405.D

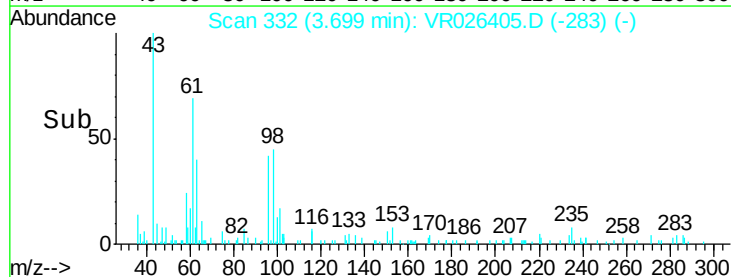
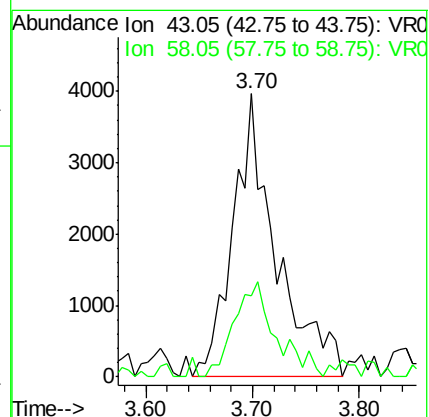
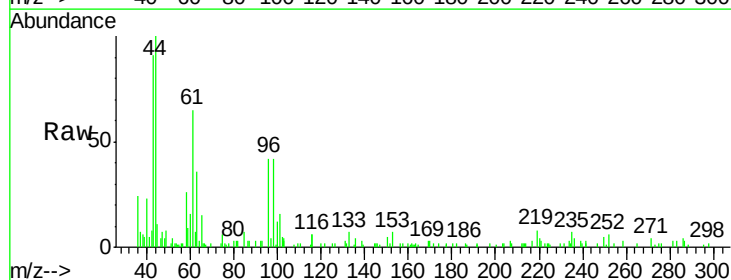
Acq: 27 Feb 2019 15:39

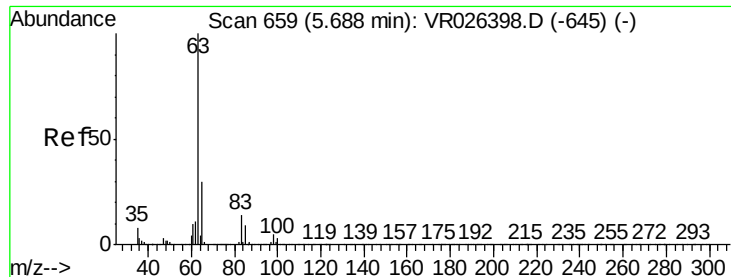
Tgt Ion: 43 Resp: 11171

Ion Ratio Lower Upper

43 100

58 32.5 0.0 52.2





#19

1,1-Dichloroethane

Concen: 1.741 ug/L

RT: 5.69 min Scan# 660

Delta R.T. 0.01 min

Lab File: VR026405.D

Acq: 27 Feb 2019 15:39

Instrument :

MSVOA_R

ClientSampleId :

C09L9

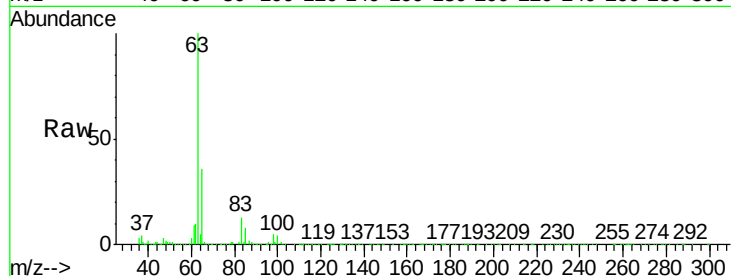
Tot Ion: 63 Resp: 138244

Ion Ratio Lower Upper

63 100

65 35.9 23.6 43.8

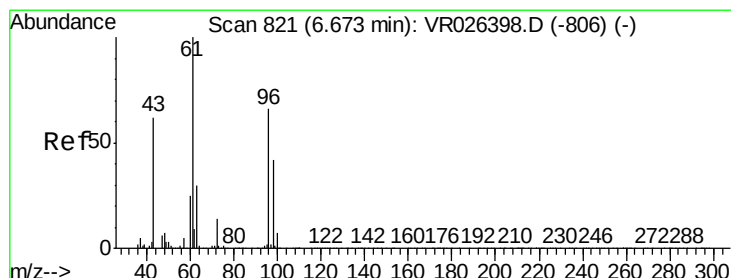
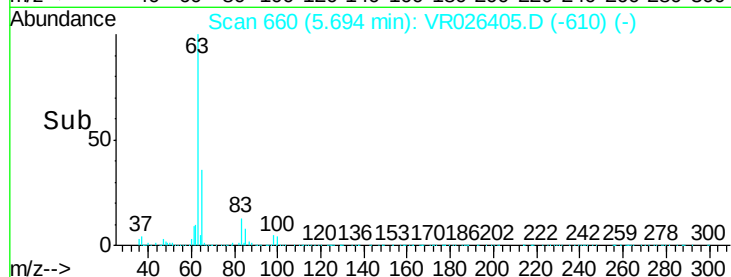
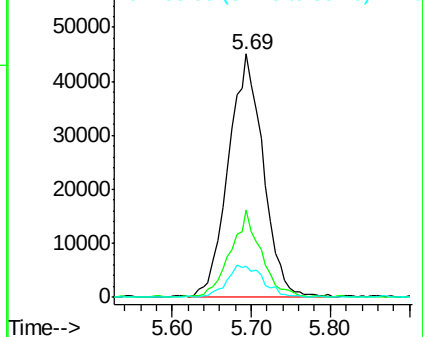
83 13.0 8.8 16.4



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: 4.609 ug/L

RT: 6.67 min Scan# 821

Delta R.T. 0.00 min

Lab File: VR026405.D

Acq: 27 Feb 2019 15:39

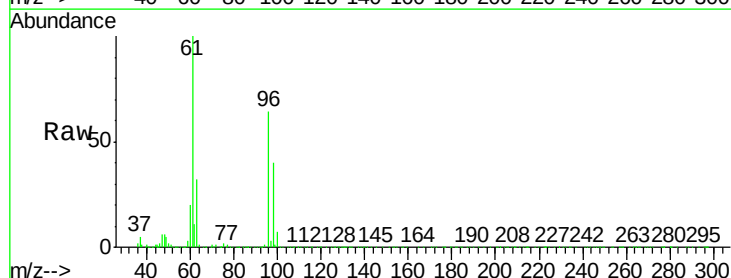
Tgt Ion: 96 Resp: 167797

Ion Ratio Lower Upper

96 100

61 156.4 100.8 187.2

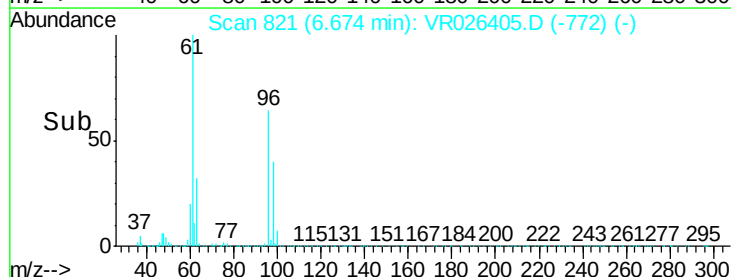
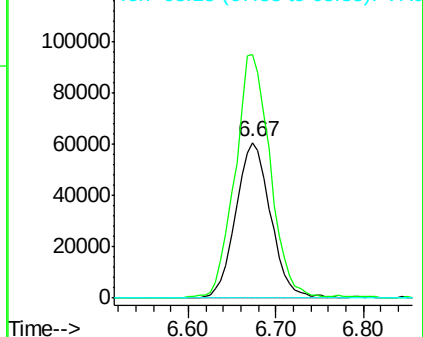
68 0.0 0.1 0.1#

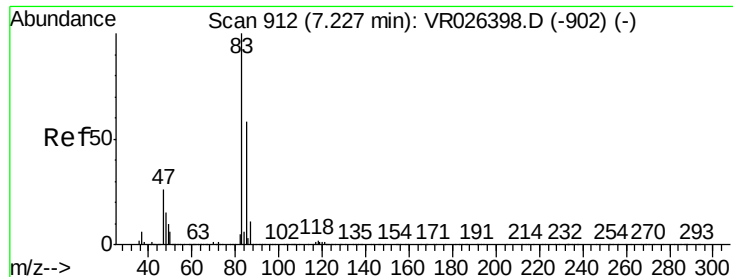


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 68.15 (67.85 to 68.85): VR0





#25

Chloroform

Concen: 2.979 ug/L

RT: 7.23 min Scan# 912

Delta R.T. 0.00 min

Lab File: VR026405.D

Acq: 27 Feb 2019 15:39

Instrument :

MSVOA_R

ClientSampled :

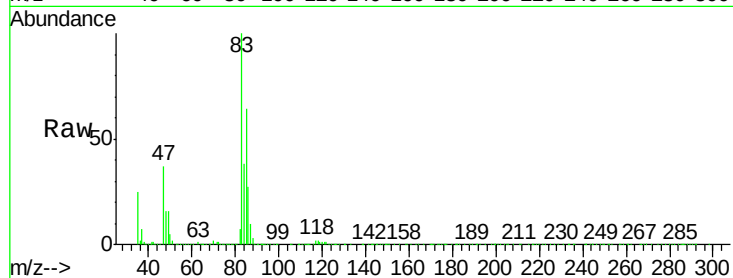
C09L9

Tot Ion: 83 Resp: 226913

Ion Ratio Lower Upper

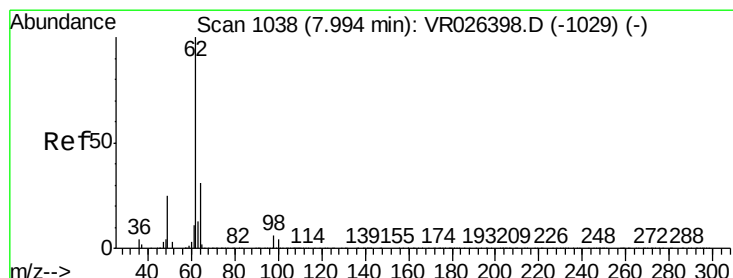
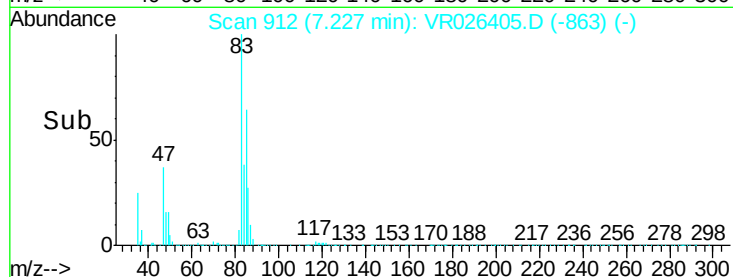
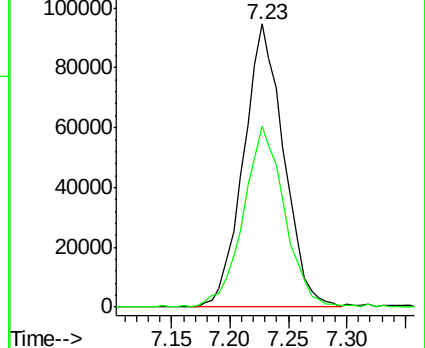
83 100

85 64.1 48.6 90.2



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0



#27

1,2-Dichloroethane

Concen: 0.317 ug/L

RT: 7.98 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VR026405.D

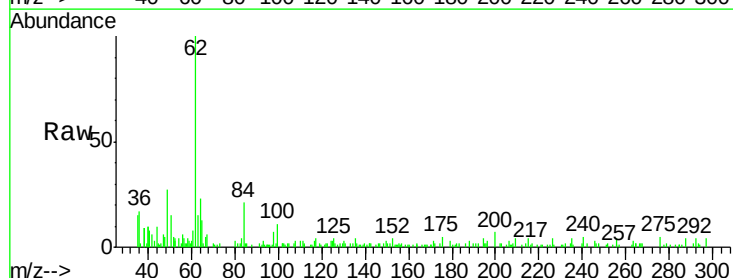
Acq: 27 Feb 2019 15:39

Tgt Ion: 62 Resp: 11420

Ion Ratio Lower Upper

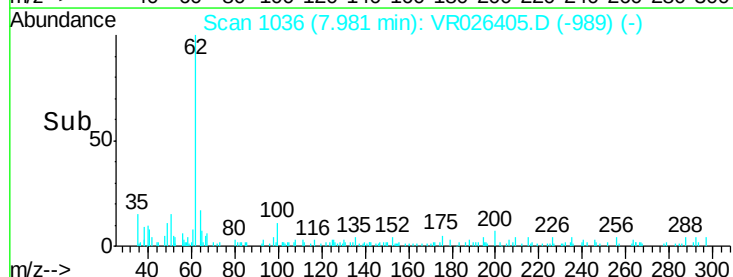
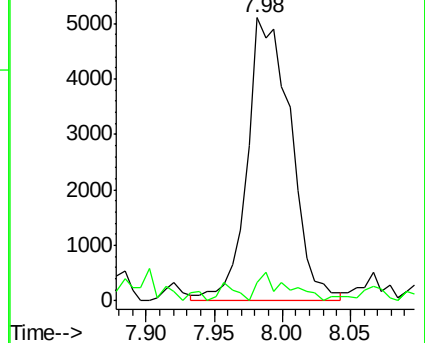
62 100

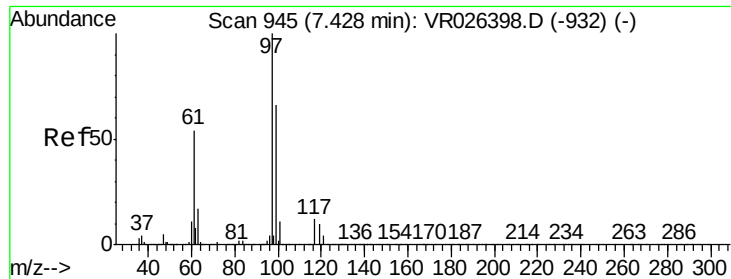
98 6.5 5.7 8.5



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 98.05 (97.75 to 98.75): VR0

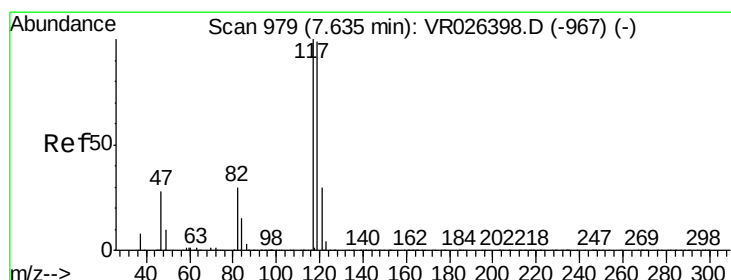
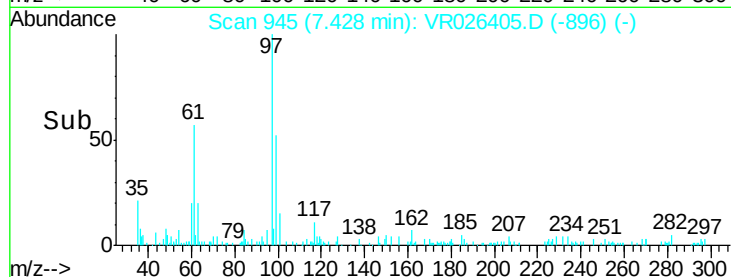
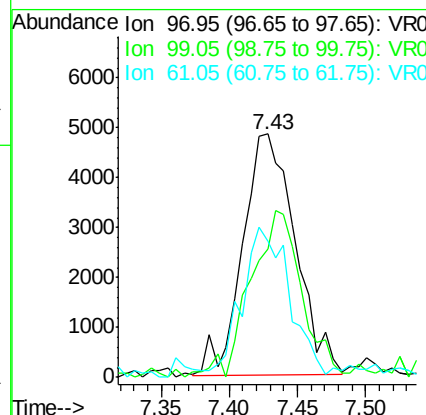
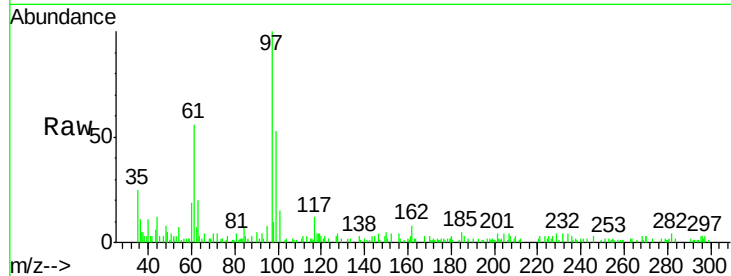




#29
1,1,1-Trichloroethane
Concen: 0.208 ug/L
RT: 7.43 min Scan# 945
Delta R.T. 0.00 min
Lab File: VR026405.D
Acq: 27 Feb 2019 15:39

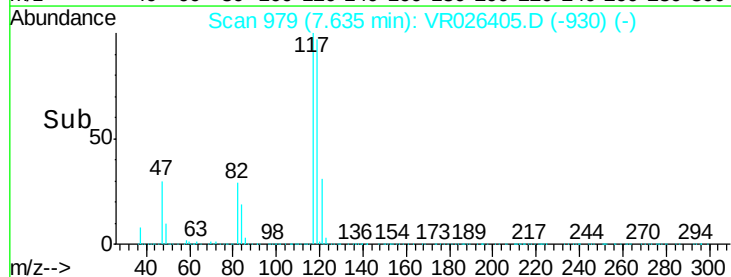
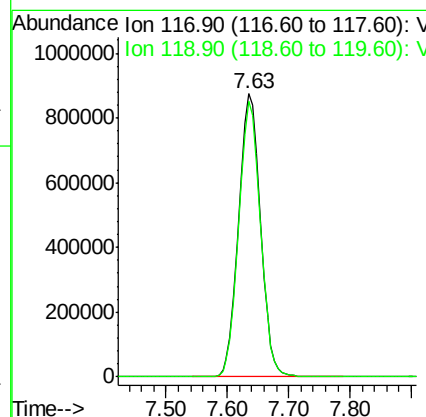
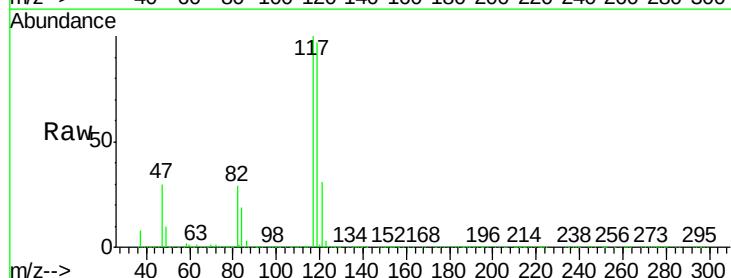
Instrument :
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ClientSampleId :
C09L9

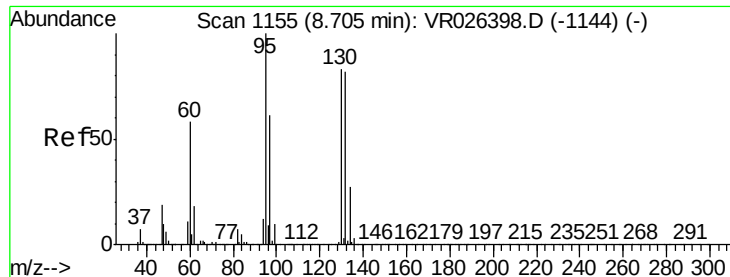
Tot Ion: 97 Resp: 13105
Ion Ratio Lower Upper
97 100
99 66.9 51.6 77.4
61 51.7 41.8 62.6



#31
Carbon tetrachloride
Concen: 36.484 ug/L
RT: 7.63 min Scan# 979
Delta R.T. 0.00 min
Lab File: VR026405.D
Acq: 27 Feb 2019 15:39

Tgt Ion: 117 Resp: 2139875
Ion Ratio Lower Upper
117 100
119 96.7 77.0 115.6





#34

Trichloroethene

Concen: 39.190 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.01 min

Lab File: VR026405.D

Acq: 27 Feb 2019 15:39

Instrument :

MSVOA_R

ClientSampleId :

C09L9

Tot Ion: 95 Resp: 1649723

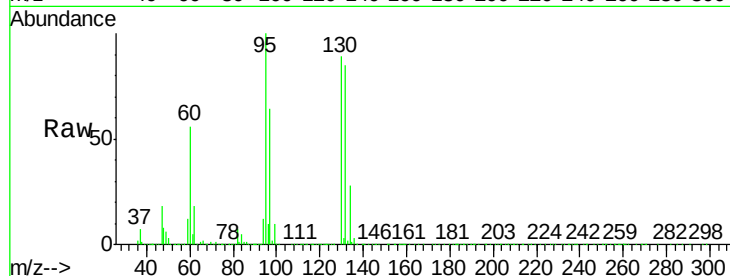
Ion Ratio Lower Upper

95 100

97 63.7 43.5 80.7

132 85.0 58.6 108.8

130 89.1 59.4 110.2

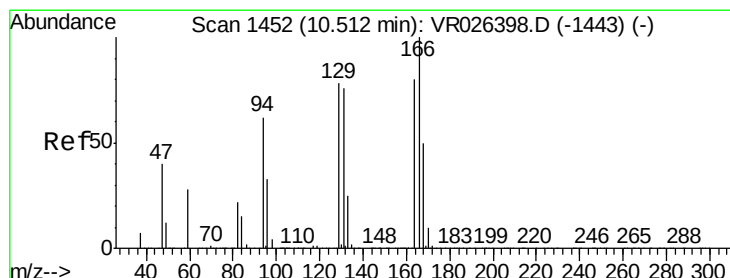
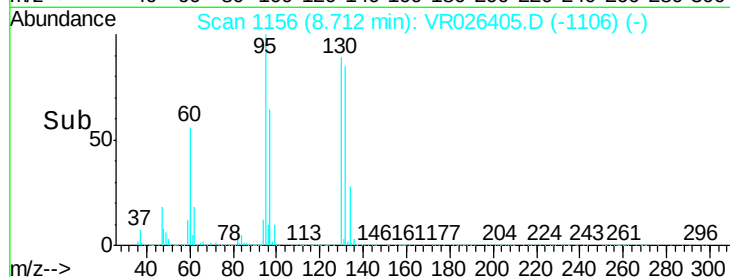
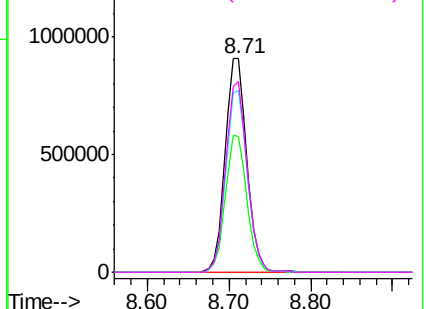


Abundance Ion 95.00 (94.70 to 95.70): VR0

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



#47

Tetrachloroethene

Concen: 4.808 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VR026405.D

Acq: 27 Feb 2019 15:39

Tgt Ion:164 Resp: 146745

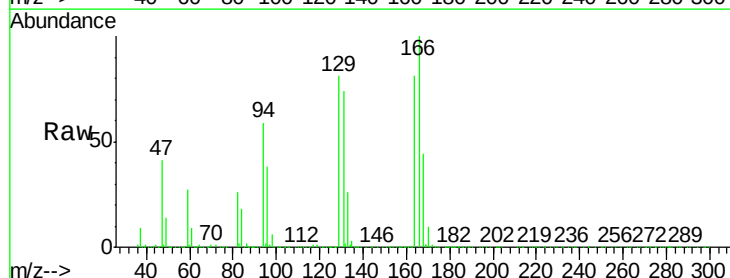
Ion Ratio Lower Upper

164 100

129 100.1 67.2 124.8

131 91.6 67.3 125.1

166 123.5 90.4 167.8



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

