

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR022819\
 Data File : VR026419.D
 Acq On : 28 Feb 2019 15:11
 Operator : SY/MD
 Sample : K1588-20
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 C09M1

Quant Time: Mar 01 06:49:31 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	443577	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	354203	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	109026	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.14	65	193384	4.46	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.20%
7) Chloroethane-d5	2.62	69	163543	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.00%
11) 1,1-Dichloroethene-d2	3.60	63	381014	3.74	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.80%
20) 2-Butanone-d5	6.59	46	190061	60.01	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	120.02%
24) Chloroform-d	7.20	84	376346	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.40%
26) 1,2-Dichloroethane-d4	7.89	65	154395	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.60%
32) Benzene-d6	7.85	84	655112	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
36) 1,2-Dichloropropane-d6	8.89	67	177198	5.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.00%
41) Toluene-d8	9.97	98	580736	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
43) trans-1,3-Dichloropropene-	10.23	79	38925	4.37	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.40%
46) 2-Hexanone-d5	10.59	63	147321	65.56	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	131.12%#
57) 1,1,2,2-Tetrachloroethane-	12.36	84	63594	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
64) 1,2-Dichlorobenzene-d4	13.51	152	113915	6.05	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	121.00%#

Target Compounds

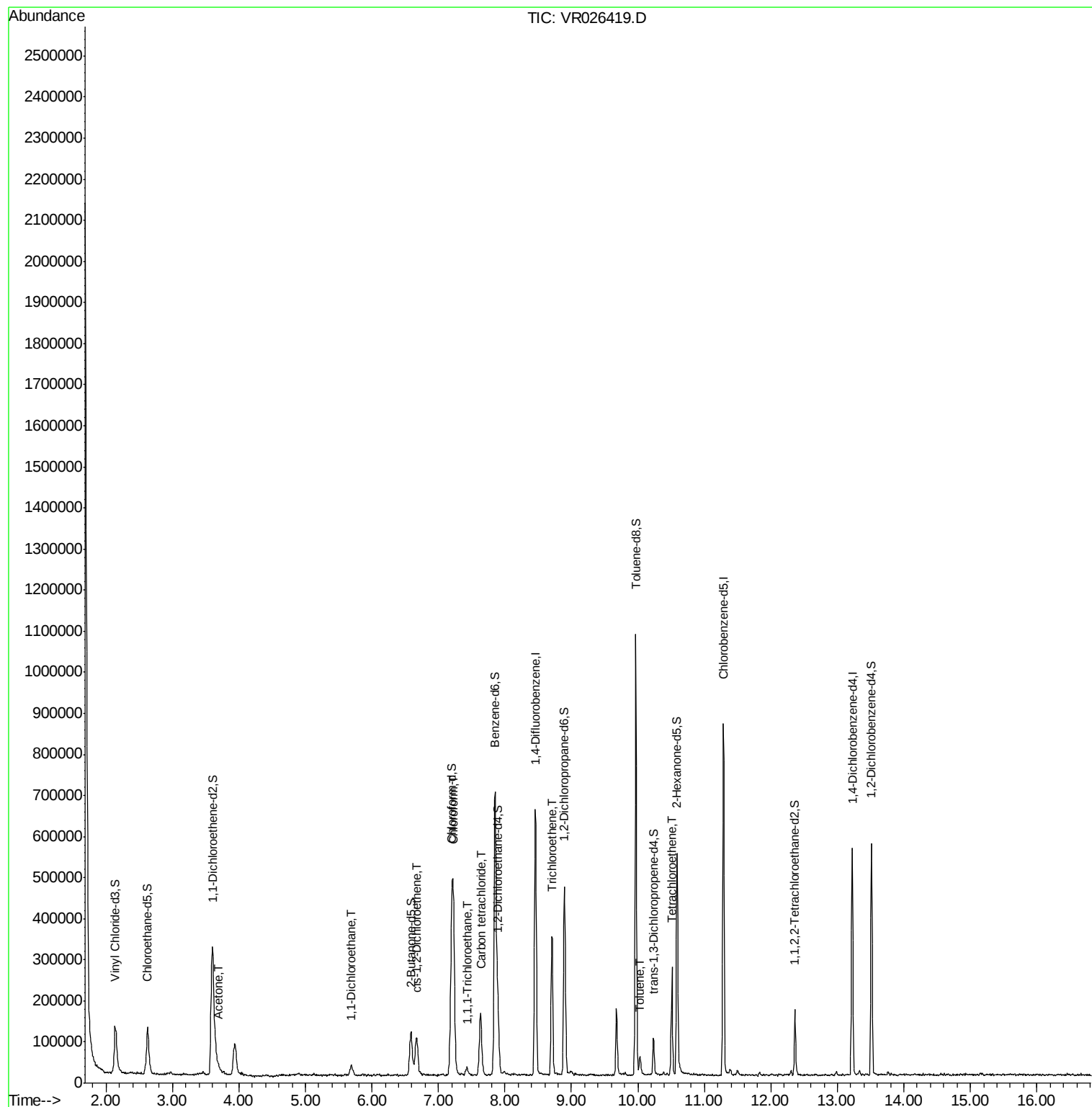
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acetone	3.70	43	13507	4.741	ug/L	75
19) 1,1-Dichloroethane	5.69	63	31603	0.488	ug/L	96
22) cis-1,2-Dichloroethene	6.67	96	44638	1.504	ug/L #	87
25) Chloroform	7.23	83	330487	5.322	ug/L	89
29) 1,1,1-Trichloroethane	7.44	97	12929	0.252	ug/L #	88
31) Carbon tetrachloride	7.64	117	111668	2.340	ug/L	99
34) Trichloroethene	8.71	95	110471	3.226	ug/L	96
42) Toluene	10.04	91	25201	0.184	ug/L	87
47) Tetrachloroethene	10.51	164	44540	1.794	ug/L	98

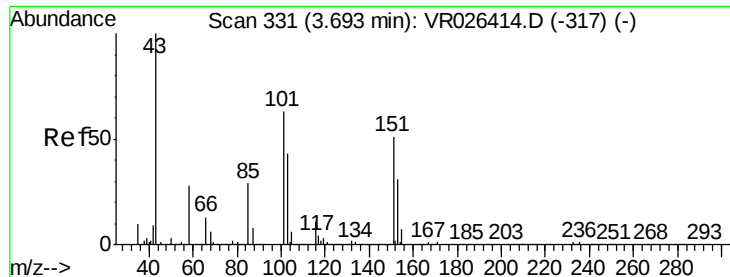
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 4.741 ug/L

RT: 3.70 min Scan# 332

Delta R.T. 0.01 min

Lab File: VR026419.D

Acq: 28 Feb 2019 15:11

Instrument :

MSVOA_R

ClientSampleId :

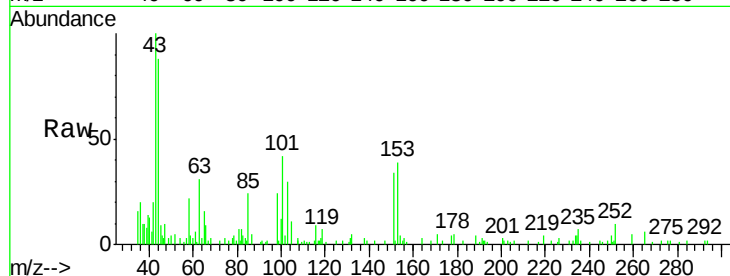
C09M1

Tgt Ion: 43 Resp: 13507

Ion Ratio Lower Upper

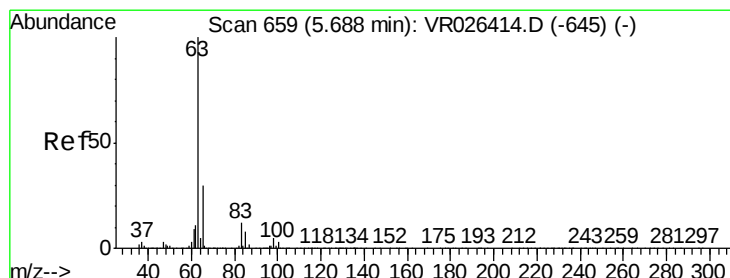
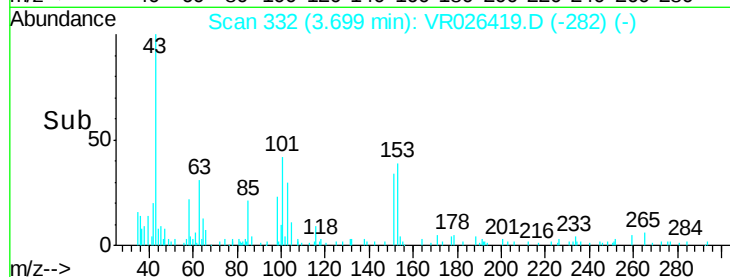
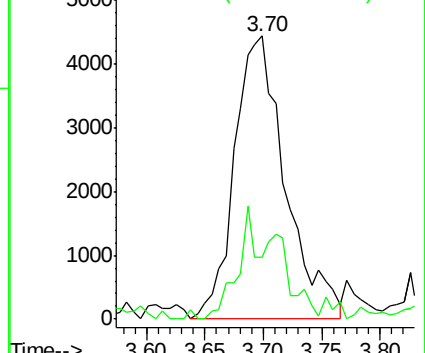
43 100

58 13.2 0.0 52.2



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#19

1,1-Dichloroethane

Concen: 0.488 ug/L

RT: 5.69 min Scan# 659

Delta R.T. 0.00 min

Lab File: VR026419.D

Acq: 28 Feb 2019 15:11

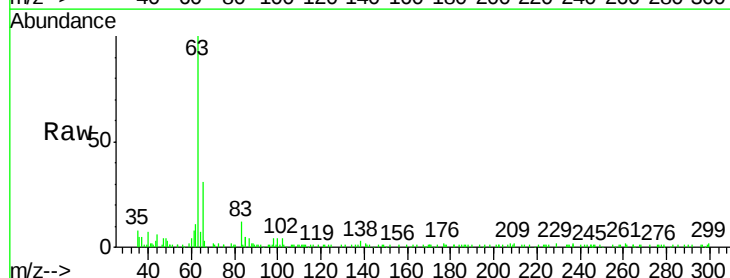
Tgt Ion: 63 Resp: 31603

Ion Ratio Lower Upper

63 100

65 30.5 23.6 43.8

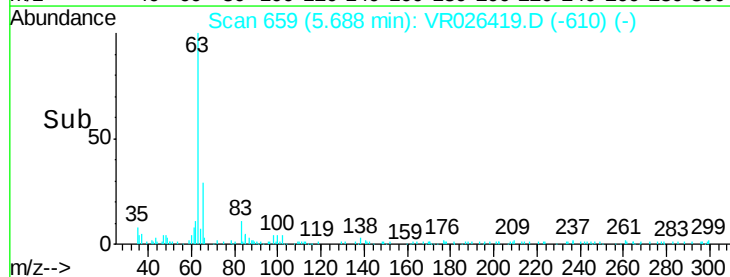
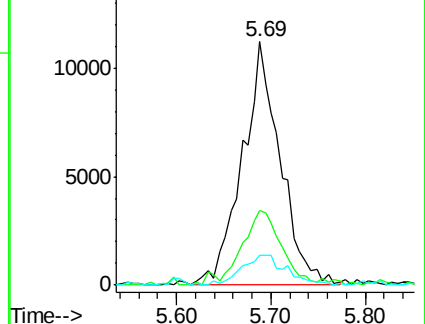
83 12.4 8.8 16.4

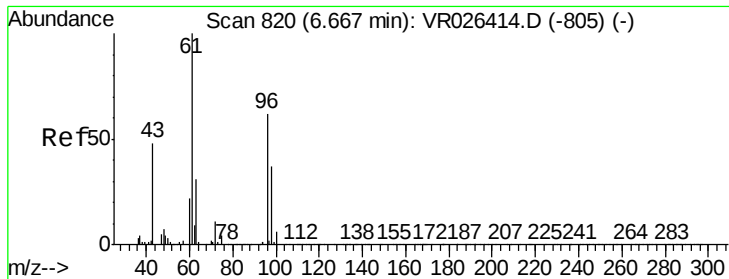


Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 65.10 (64.80 to 65.80): VR0

Ion 83.05 (82.75 to 83.75): VR0



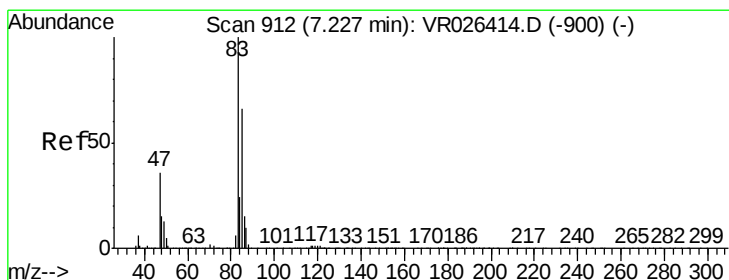
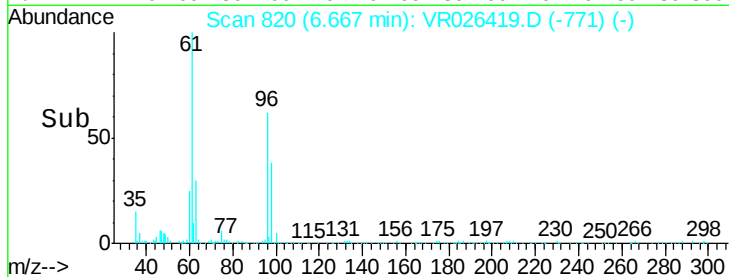
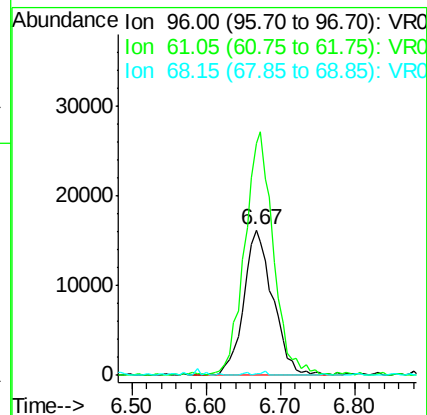
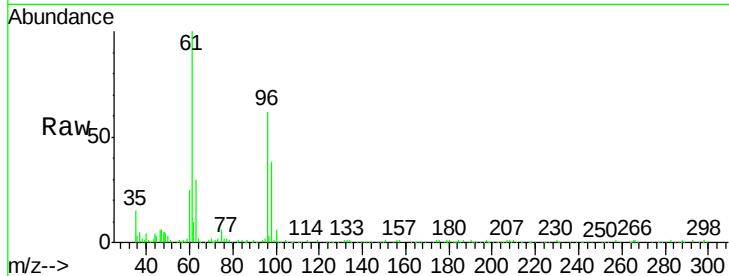


#22

cis-1,2-Dichloroethene
 Concen: 1.504 ug/L
 RT: 6.67 min Scan# 820
 Delta R.T. 0.00 min
 Lab File: VR026419.D
 Acq: 28 Feb 2019 15:11

Instrument :
 MSVOA_R
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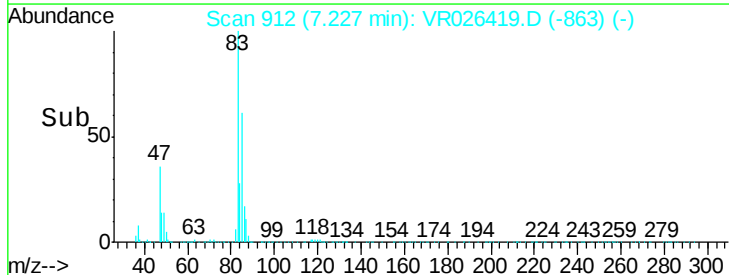
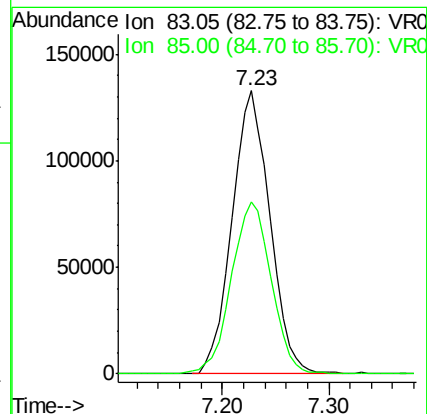
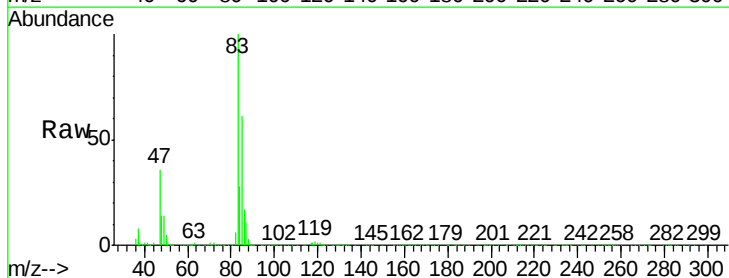
Tgt Ion: 96 Resp: 44638
 Ion Ratio Lower Upper
 96 100
 61 160.3 100.8 187.2
 68 1.4 0.1 0.1#

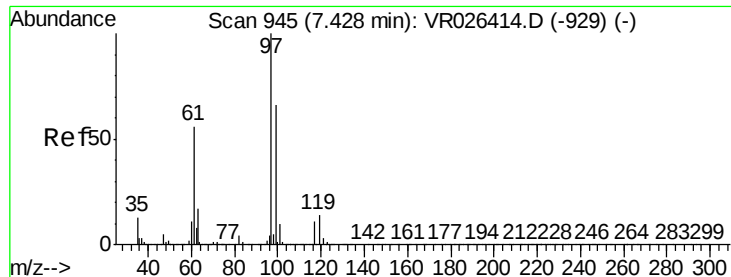


#25

Chloroform
 Concen: 5.322 ug/L
 RT: 7.23 min Scan# 912
 Delta R.T. 0.00 min
 Lab File: VR026419.D
 Acq: 28 Feb 2019 15:11

Tgt Ion: 83 Resp: 330487
 Ion Ratio Lower Upper
 83 100
 85 60.6 48.6 90.2





#29

1,1,1-Trichloroethane

Concen: 0.252 ug/L

RT: 7.44 min Scan# 947

Delta R.T. 0.01 min

Lab File: VR026419.D

Acq: 28 Feb 2019 15:11

Instrument :

MSVOA_R

ClientSampleId :

C09M1

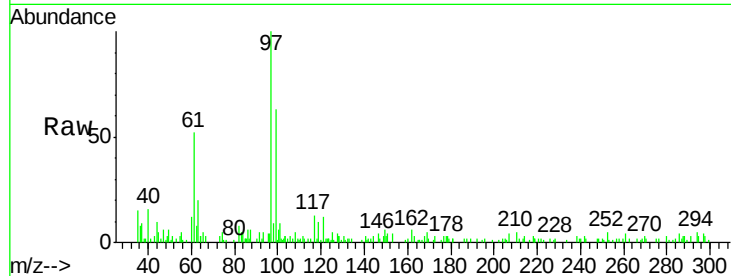
Tgt Ion: 97 Resp: 12929

Ion Ratio Lower Upper

97 100

99 67.8 51.6 77.4

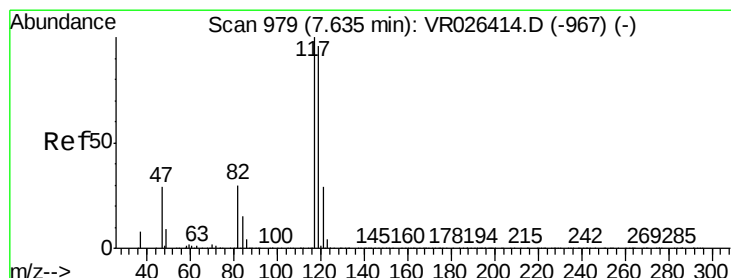
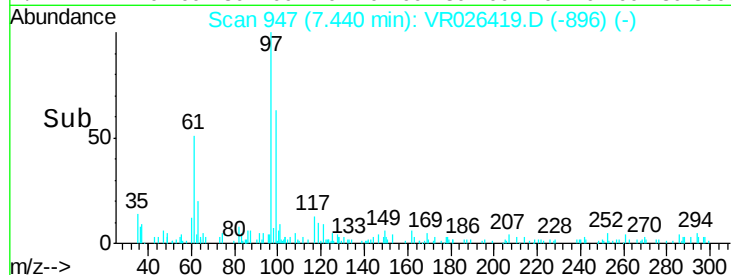
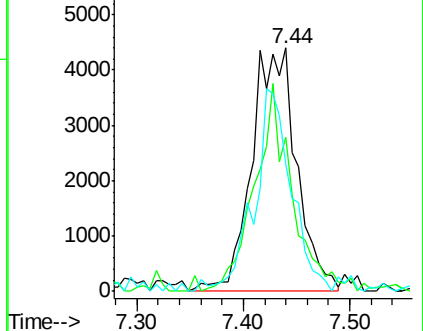
61 68.1 41.8 62.6#



Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 61.05 (60.75 to 61.75): VR0



#31

Carbon tetrachloride

Concen: 2.340 ug/L

RT: 7.64 min Scan# 980

Delta R.T. 0.01 min

Lab File: VR026419.D

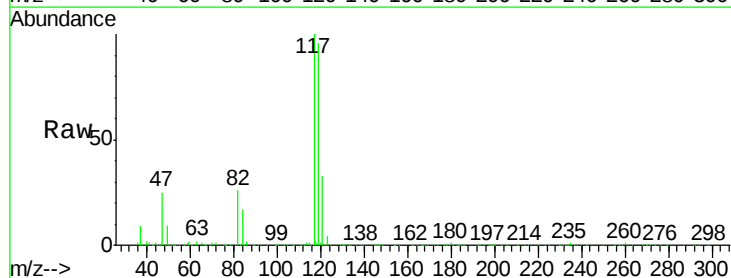
Acq: 28 Feb 2019 15:11

Tgt Ion: 117 Resp: 111668

Ion Ratio Lower Upper

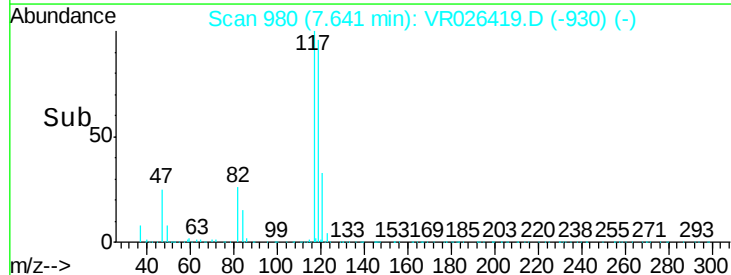
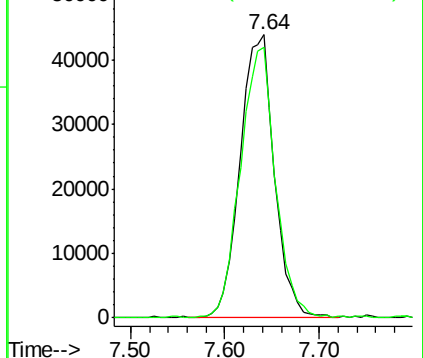
117 100

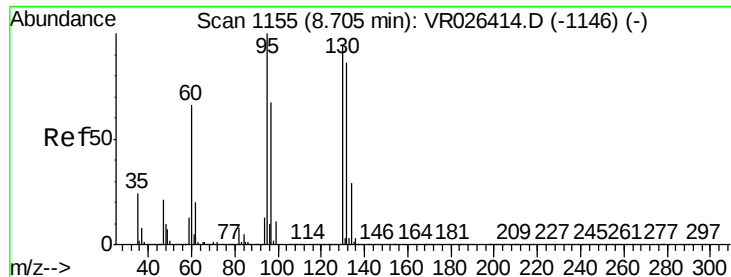
119 97.6 77.0 115.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V





#34

Trichloroethene

Concen: 3.226 ug/L

RT: 8.71 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VR026419.D

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Tgt Ion: 95 Resp: 110471

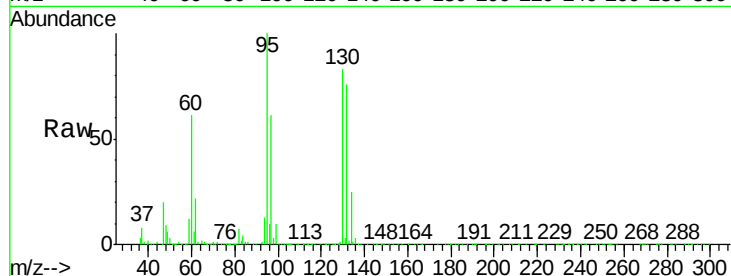
Ion Ratio Lower Upper

95 100

97 61.4 43.5 80.7

132 75.9 58.6 108.8

130 82.7 59.4 110.2

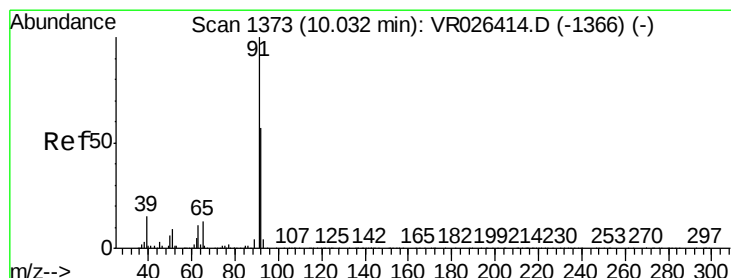
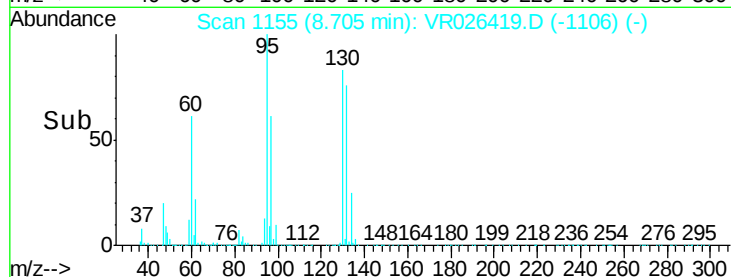
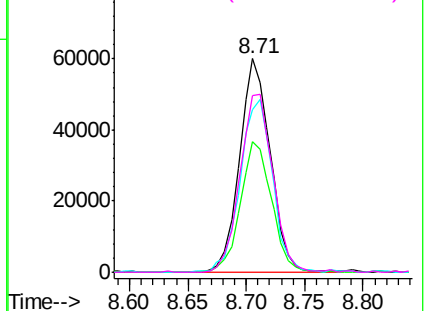


Abundance Ion 95.00 (94.70 to 95.70): VR0

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



#42

Toluene

Concen: 0.184 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. 0.01 min

Lab File: VR026419.D

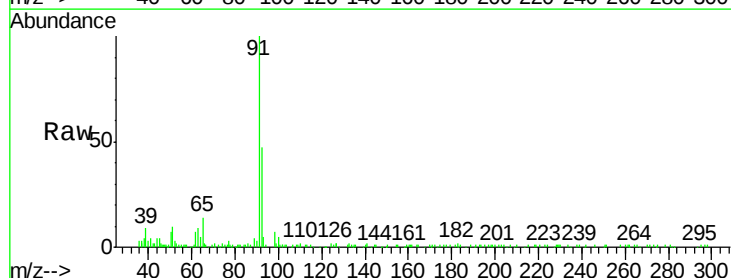
Acq: 28 Feb 2019 15:11

Tgt Ion: 91 Resp: 25201

Ion Ratio Lower Upper

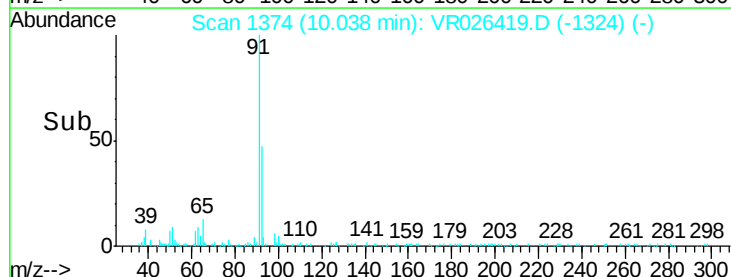
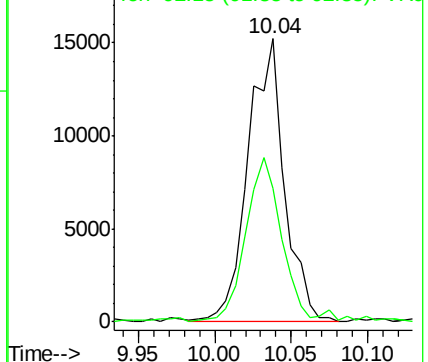
91 100

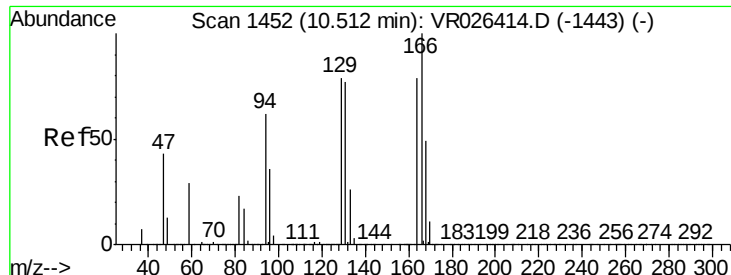
92 47.0 39.6 73.6



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 92.15 (91.85 to 92.85): VR0





#47

Tetrachloroethene

Concen: 1.794 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VR026419.D

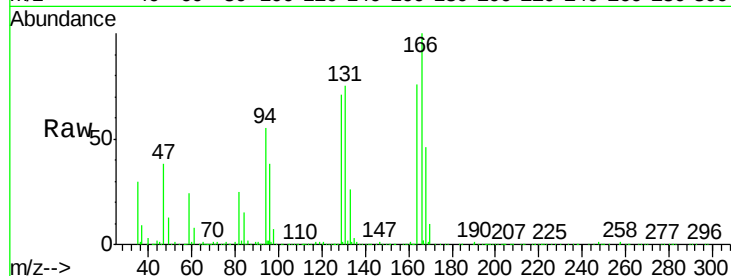
Acq: 28 Feb 2019 15:11

Instrument :

MSVOA_R

ClientSampleId :

C09M1



Tgt Ion:	164	Resp:	44540
Ion	Ratio	Lower	Upper
164	100		
129	92.9	67.2	124.8
131	98.3	67.3	125.1
166	131.5	90.4	167.8

