

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR022719\
 Data File : VR026409.D
 Acq On : 27 Feb 2019 17:51
 Operator : SY/MD
 Sample : K1588-14
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 C0AB2

Quant Time: Feb 28 08:14:15 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	503189	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	411351	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	125566	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.13	65	145990	2.97	ug/L	-0.02
Spiked Amount	5.000	Range	40 - 130	Recovery	=	59.40%
7) Chloroethane-d5	2.62	69	138083	3.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	68.40%
11) 1,1-Dichloroethene-d2	3.60	63	324777	2.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.20%#
20) 2-Butanone-d5	6.58	46	182243	50.72	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.44%
24) Chloroform-d	7.20	84	330990	4.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.60%
26) 1,2-Dichloroethane-d4	7.89	65	141614	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.00%
32) Benzene-d6	7.85	84	569196	3.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	73.60%
36) 1,2-Dichloropropane-d6	8.89	67	162928	4.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.20%
41) Toluene-d8	9.97	98	494197	3.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.00%
43) trans-1,3-Dichloropropene-	10.23	79	34059	3.29	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	65.80%
46) 2-Hexanone-d5	10.59	63	138096	52.92	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.84%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	61498	4.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.80%
64) 1,2-Dichlorobenzene-d4	13.52	152	96145	4.43	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.60%

Target Compounds

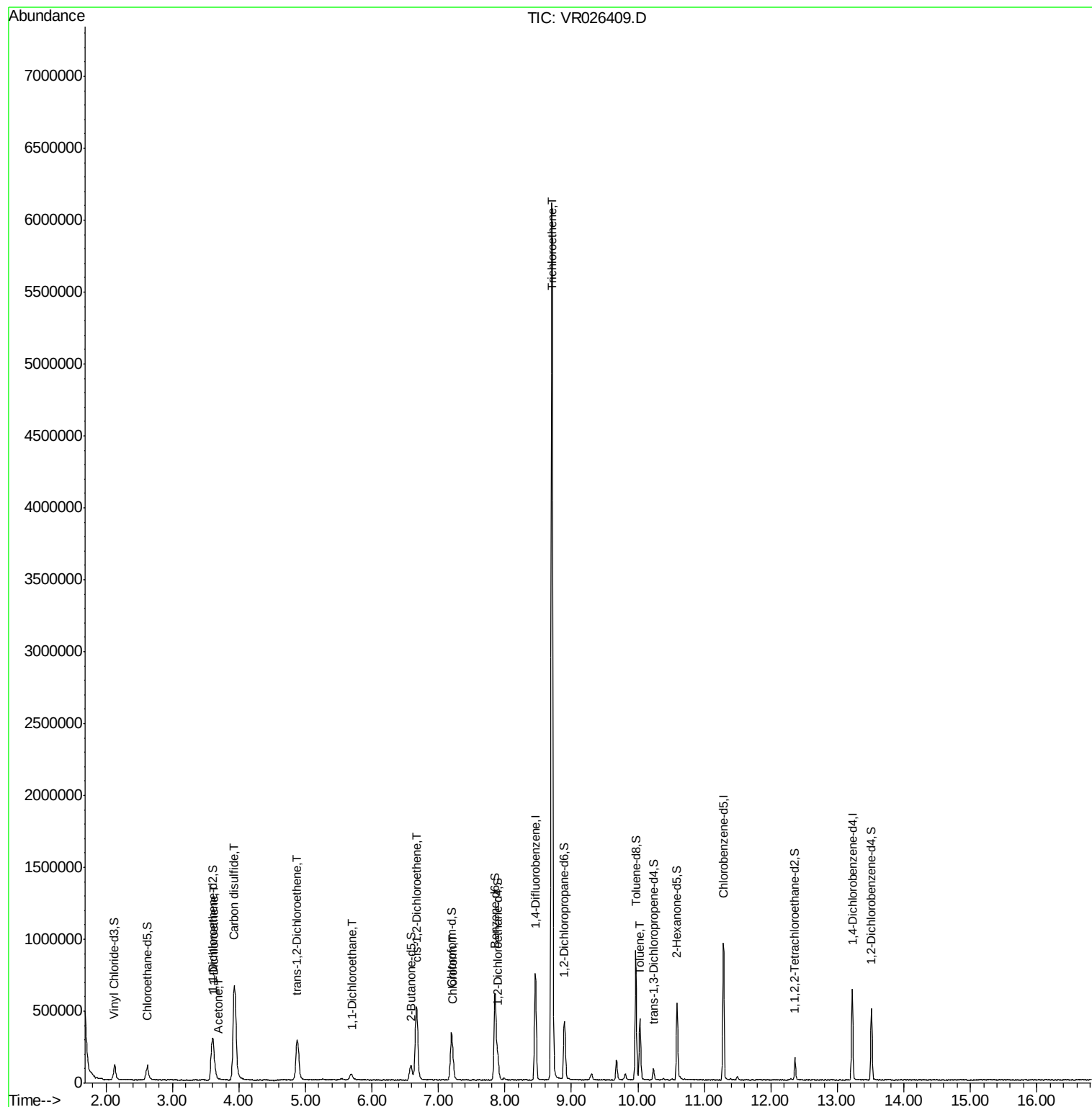
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	3.62	96	45060	1.025	ug/L #	22
13) Acetone	3.69	43	10055	3.111	ug/L	95
14) Carbon disulfide	3.92	76	28755	0.205	ug/L #	84
18) trans-1,2-Dichloroethene	4.87	96	152918	3.813	ug/L	97
19) 1,1-Dichloroethane	5.69	63	60223	0.820	ug/L	95
22) cis-1,2-Dichloroethene	6.67	96	277048	8.229	ug/L #	89
25) Chloroform	7.22	83	41310	0.586	ug/L	94
34) Trichloroethene	8.71	95	1908895	48.001	ug/L	98
42) Toluene	10.03	91	250110	1.575	ug/L	98

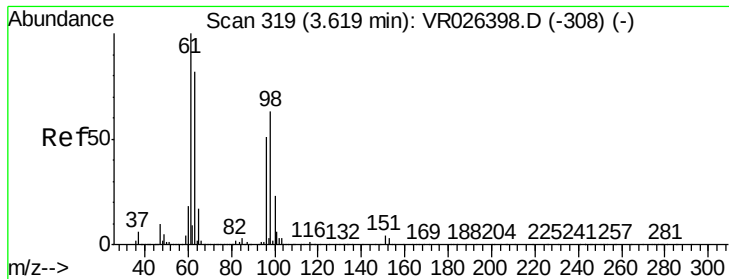
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 1.025 ug/L

RT: 3.62 min Scan# 319

Delta R.T. 0.00 min

Lab File: VR026409.D

Acq: 27 Feb 2019 17:51

Instrument :

MSVOA_R

ClientSampleId :

C0AB2

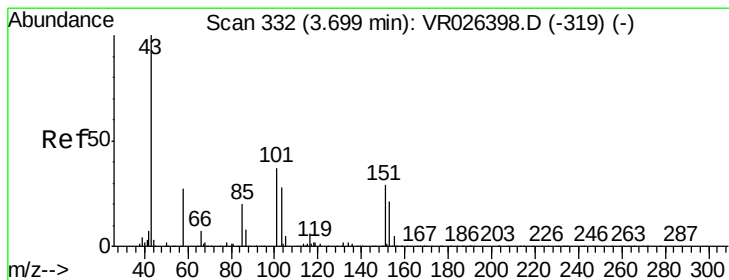
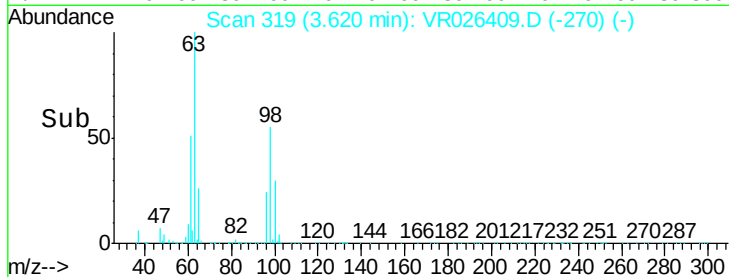
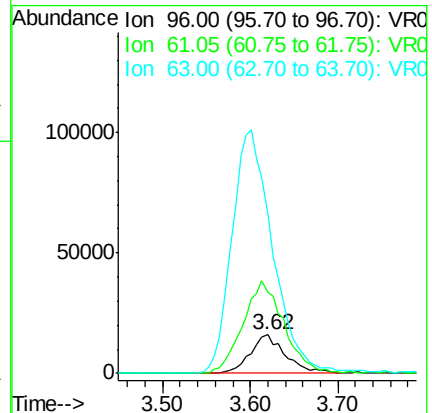
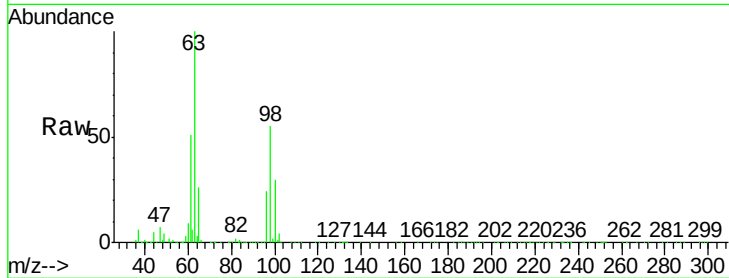
Tot Ion: 96 Resp: 45060

Ion Ratio Lower Upper

96 100

61 209.5 135.9 252.5

63 411.7 136.6 253.6#



#13

Acetone

Concen: 3.111 ug/L

RT: 3.69 min Scan# 331

Delta R.T. -0.01 min

Lab File: VR026409.D

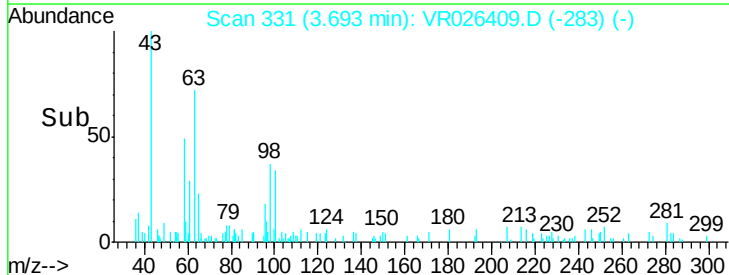
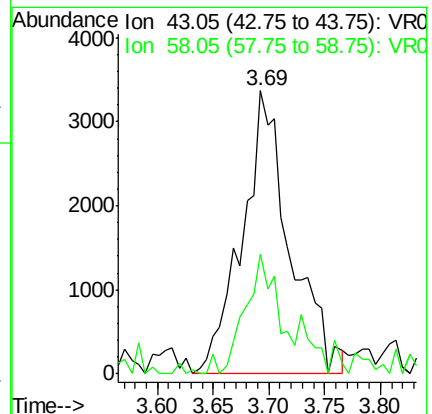
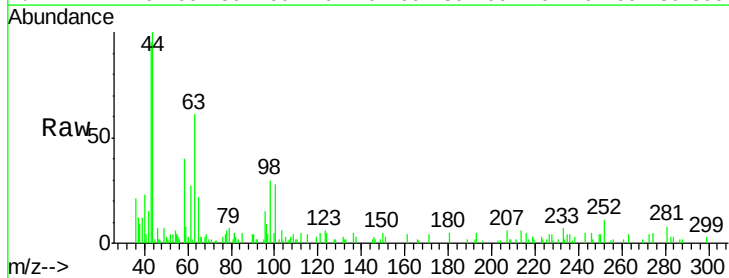
Acq: 27 Feb 2019 17:51

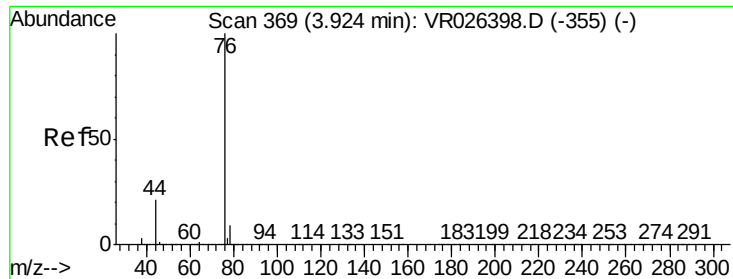
Tgt Ion: 43 Resp: 10055

Ion Ratio Lower Upper

43 100

58 28.6 0.0 52.2





#14

Carbon disulfide

Concen: 0.205 ug/L

RT: 3.92 min Scan# 369

Delta R.T. 0.00 min

Lab File: VR026409.D

Acq: 27 Feb 2019 17:51

Instrument :

MSVOA_R

ClientSampleId :

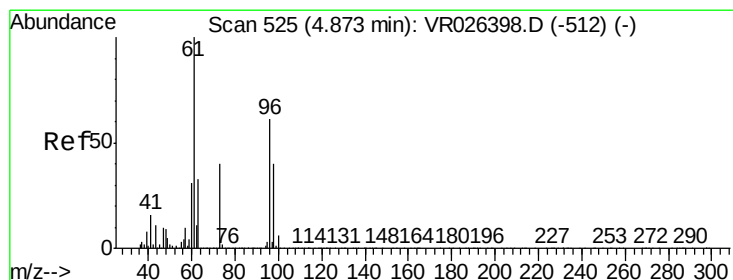
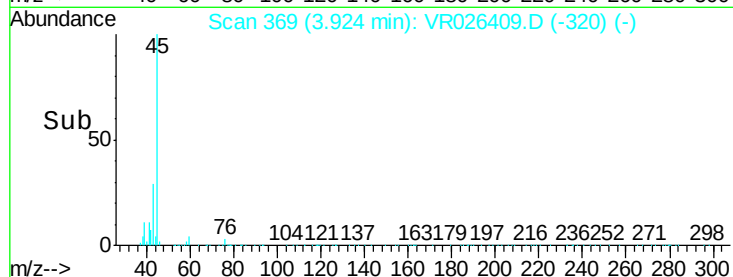
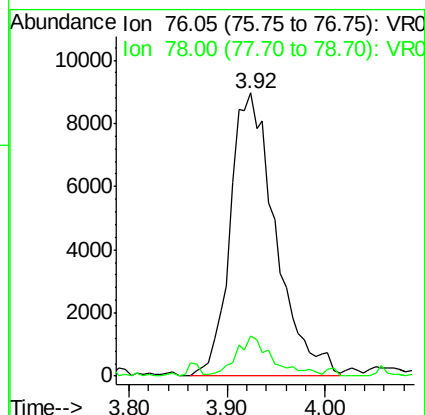
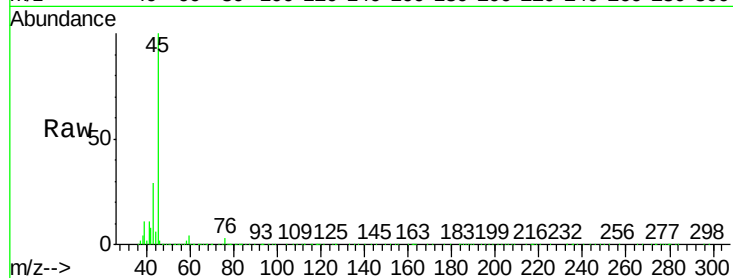
C0AB2

Tot Ion: 76 Resp: 28755

Ion Ratio Lower Upper

76 100

78 14.3 6.7 10.1#



#18

trans-1,2-Dichloroethene

Concen: 3.813 ug/L

RT: 4.87 min Scan# 525

Delta R.T. 0.00 min

Lab File: VR026409.D

Acq: 27 Feb 2019 17:51

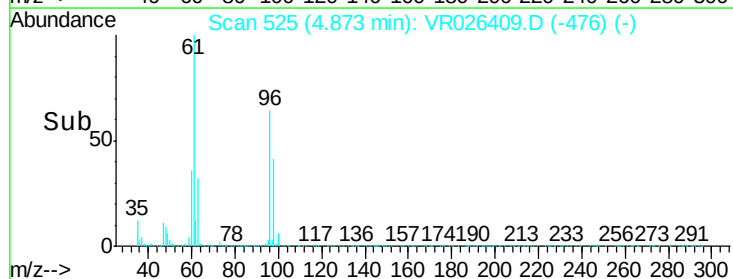
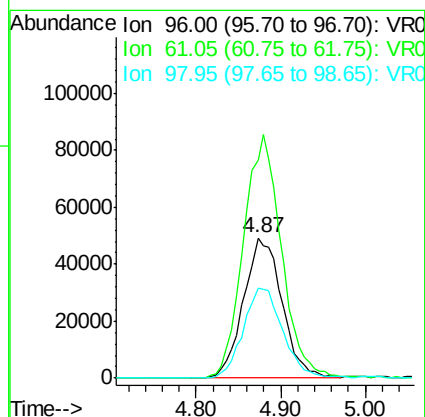
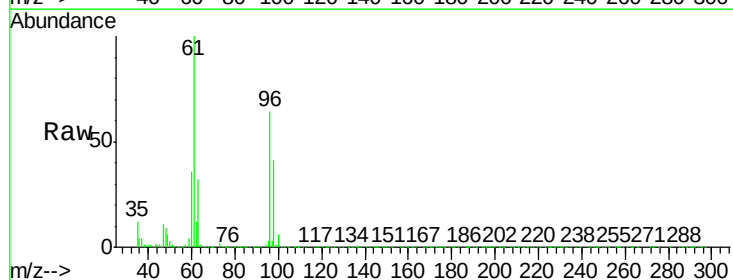
Tgt Ion: 96 Resp: 152918

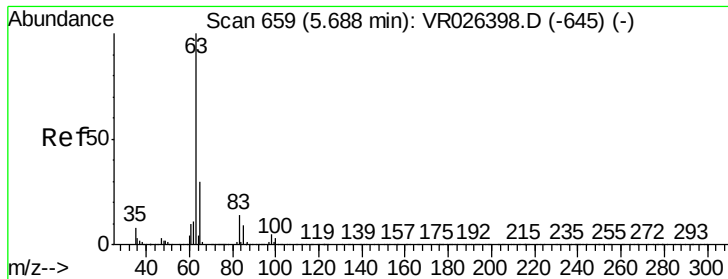
Ion Ratio Lower Upper

96 100

61 155.8 109.4 203.2

98 64.3 39.7 73.7

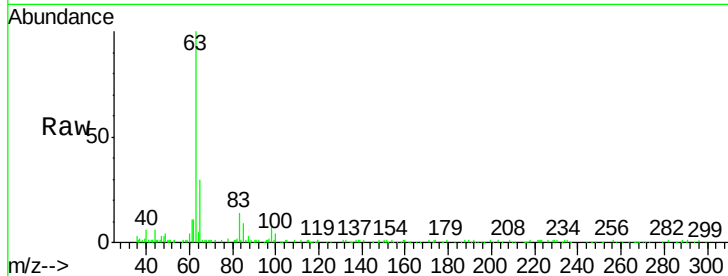




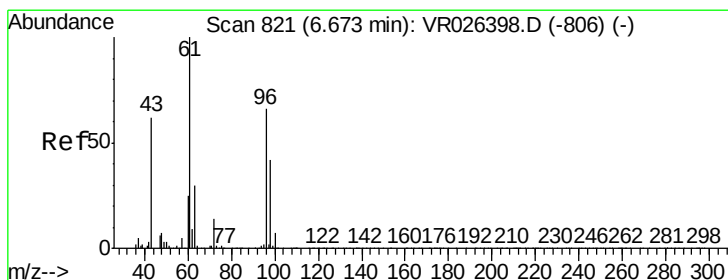
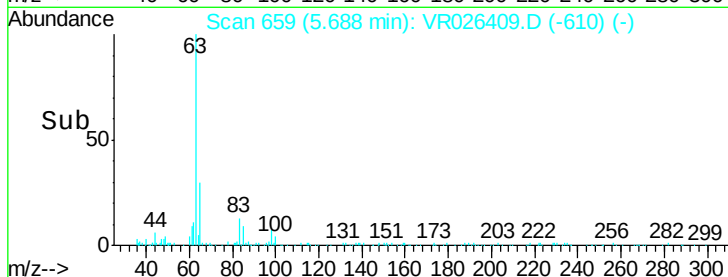
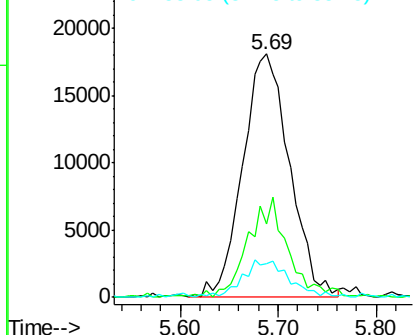
#19
 1,1-Dichloroethane
 Concen: 0.820 ug/L
 RT: 5.69 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VR026409.D
 Acq: 27 Feb 2019 17:51

Instrument :
 MSVOA_R
 ClientSampleId :
 C0AB2

Tot Ion:	63	Resp:	60223
Ion	Ratio	Lower	Upper
63	100		
65	30.3	23.6	43.8
83	13.6	8.8	16.4

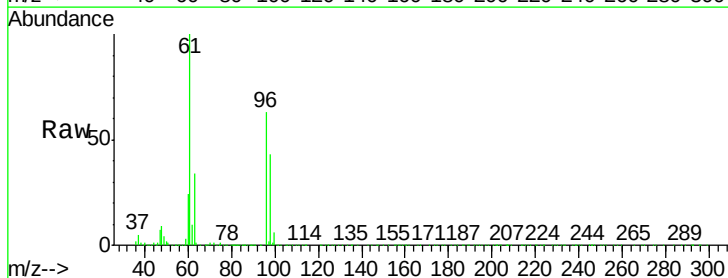


Abundance Ion 63.10 (62.80 to 63.80): VR0
 Ion 65.10 (64.80 to 65.80): VR0
 Ion 83.05 (82.75 to 83.75): VR0

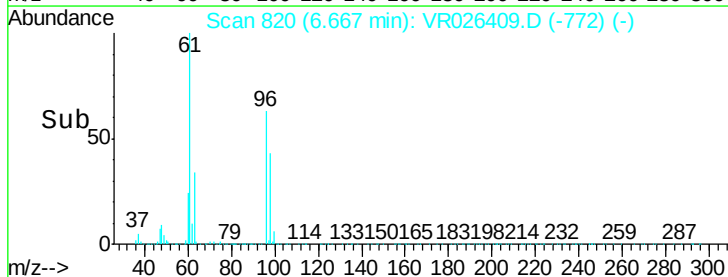
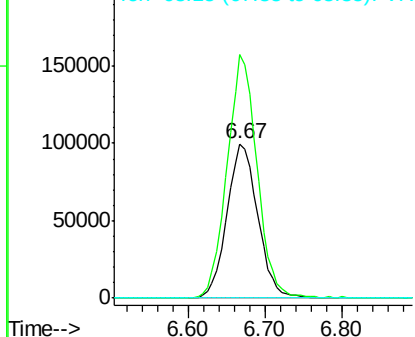


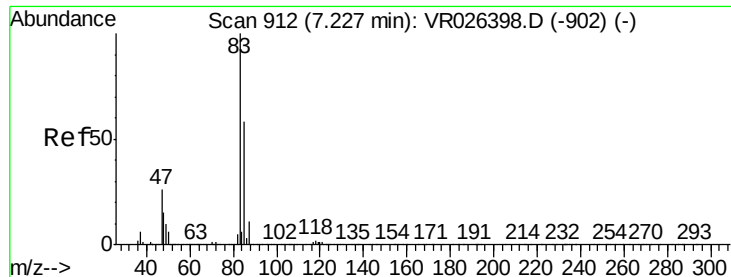
#22
 cis-1,2-Dichloroethene
 Concen: 8.229 ug/L
 RT: 6.67 min Scan# 820
 Delta R.T. -0.01 min
 Lab File: VR026409.D
 Acq: 27 Feb 2019 17:51

Tgt Ion:	96	Resp:	277048
Ion	Ratio	Lower	Upper
96	100		
61	157.7	100.8	187.2
68	0.2	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: 0.586 ug/L

RT: 7.22 min Scan# 911

Delta R.T. -0.01 min

Lab File: VR026409.D

Acq: 27 Feb 2019 17:51

Instrument :

MSVOA_R

ClientSampleId :

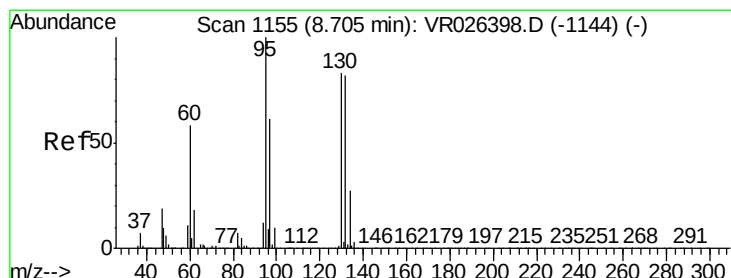
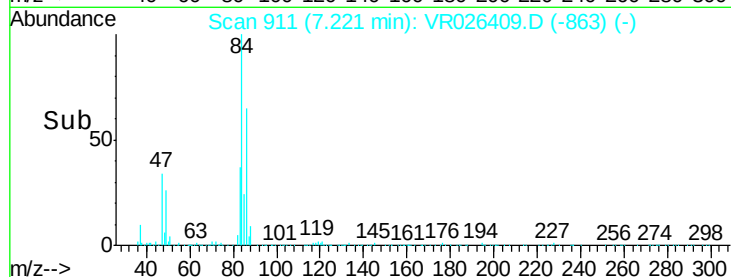
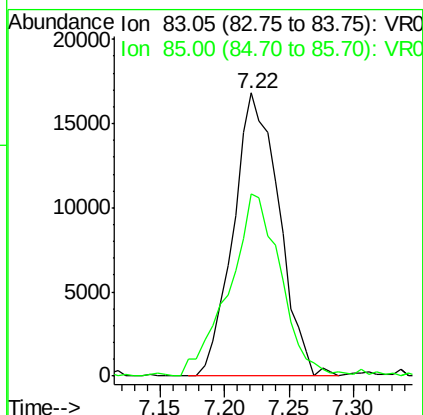
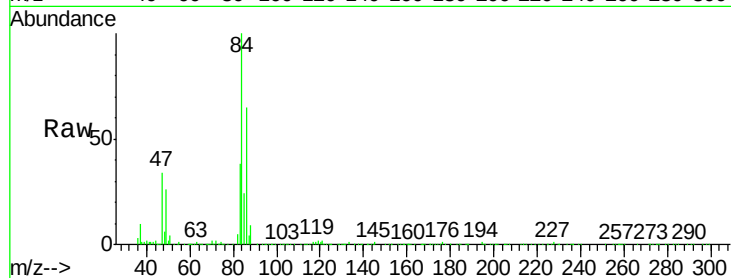
C0AB2

Tot Ion: 83 Resp: 41310

Ion Ratio Lower Upper

83 100

85 64.5 48.6 90.2



#34

Trichloroethene

Concen: 48.001 ug/L

RT: 8.71 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VR026409.D

Acq: 27 Feb 2019 17:51

Tgt Ion: 95 Resp: 1908895

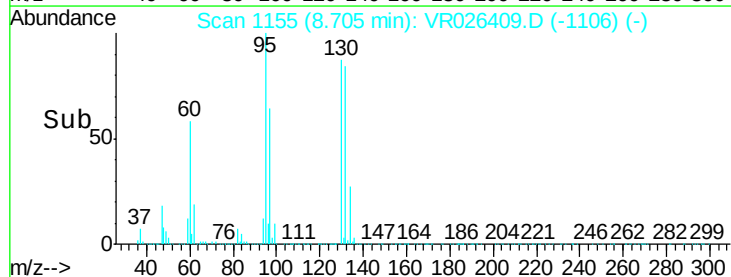
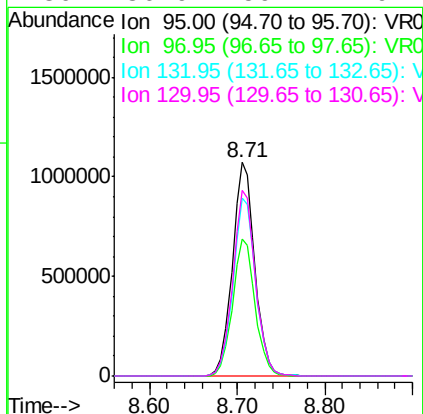
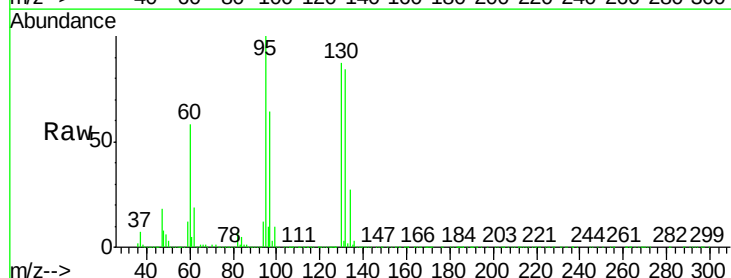
Ion Ratio Lower Upper

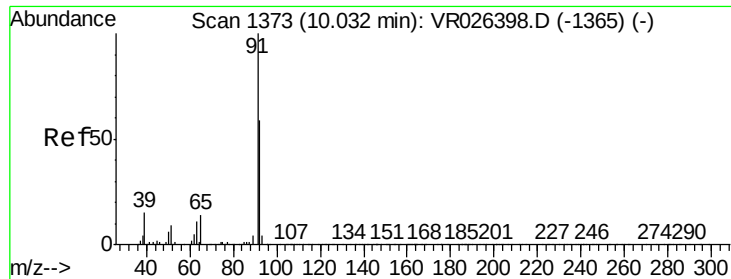
95 100

97 64.1 43.5 80.7

132 83.6 58.6 108.8

130 86.9 59.4 110.2





#42

Toluene

Concen: 1.575 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. 0.00 min

Lab File: VR026409.D

Acq: 27 Feb 2019 17:51

Instrument :

MSVOA_R

ClientSampleId :

C0AB2

Tot Ion: 91 Resp: 250110

Ion Ratio Lower Upper

91 100

92 54.9 39.6 73.6

