

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR092818\
 Data File : VR025898.D
 Acq On : 28 Sep 2018 13:37
 Operator : SY/MD
 Sample : J5062-15
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Sep 29 05:15:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Sep 29 05:14:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	531304	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	428849	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	146089	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	184601	4.41	ug/L	-0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.20%
7) Chloroethane-d5	2.63	69	158720	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.80%
11) 1,1-Dichloroethene-d2	3.64	63	335990	3.41	ug/L	0.02
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.20%
20) 2-Butanone-d5	6.59	46	212001	45.39	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.78%
24) Chloroform-d	7.20	84	304846	4.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.60%
26) 1,2-Dichloroethane-d4	7.90	65	132450	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.40%
32) Benzene-d6	7.85	84	651201	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
36) 1,2-Dichloropropane-d6	8.90	67	169433	4.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.20%
41) Toluene-d8	9.97	98	576418	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.00%
43) trans-1,3-Dichloropropene-	10.23	79	31172	3.57	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	71.40%
46) 2-Hexanone-d5	10.59	63	151623	45.54	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.08%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	66356	4.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.00%
64) 1,2-Dichlorobenzene-d4	13.51	152	102776	4.39	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.80%

Target Compounds

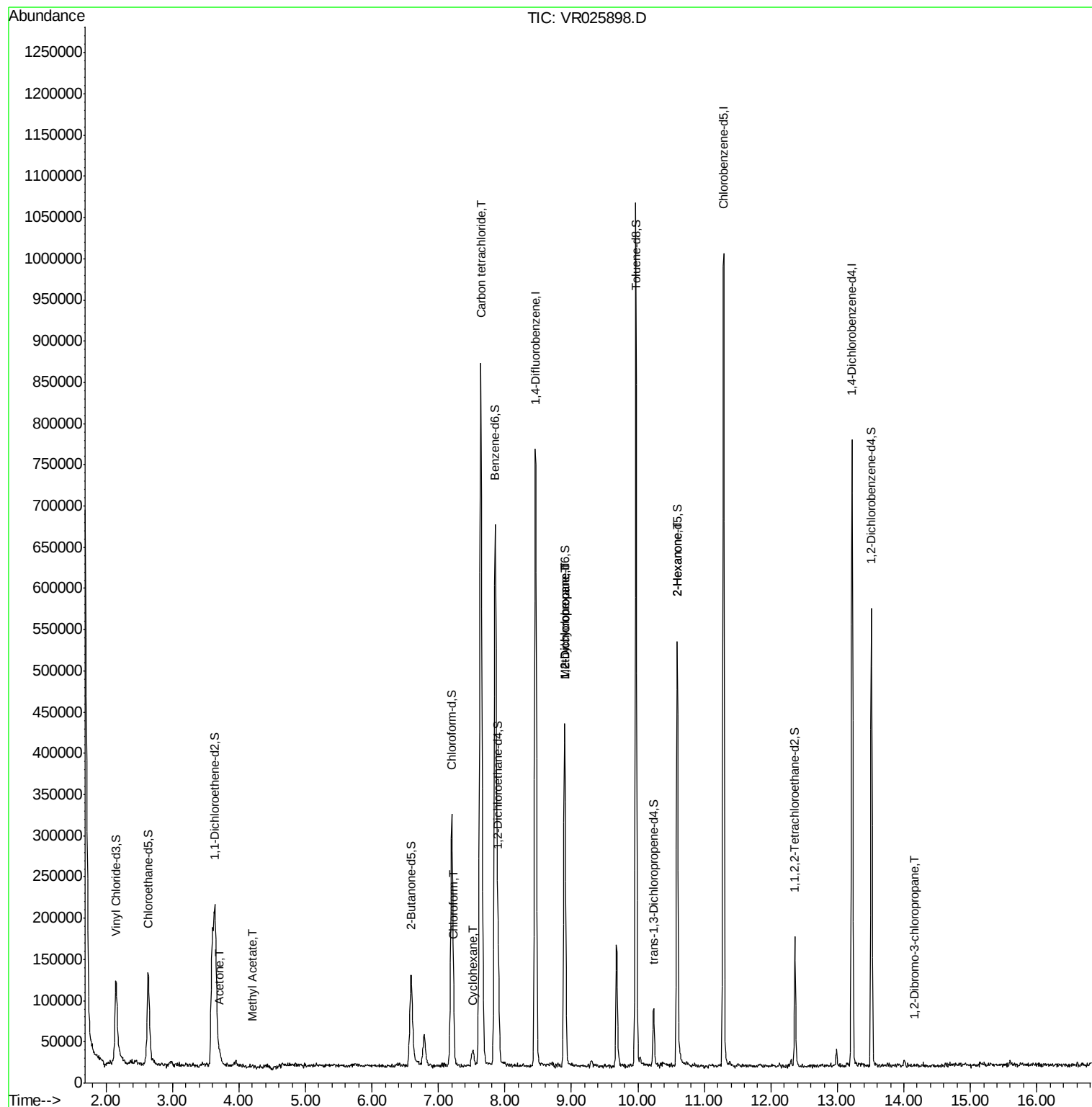
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	3.70	43	17636	5.209	ug/L	98
15) Methyl Acetate	4.19	43	1707	0.182	ug/L #	77
25) Chloroform	7.23	83	10817	0.169	ug/L	96
30) Cyclohexane	7.52	56	10693	0.177	ug/L	95
31) Carbon tetrachloride	7.63	117	627206	15.018	ug/L	98
35) Methylcyclohexane	8.90	83	41615	0.730	ug/L #	15
37) 1,2-Dichloropropane	8.90	63	21437	0.695	ug/L #	96
48) 2-Hexanone	10.59	43	22985	3.235	ug/L #	76
66) 1,2-Dibromo-3-chloropropan	14.15	75	435	0.302	ug/L	90

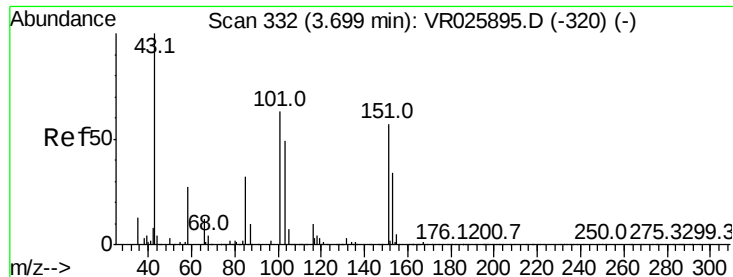
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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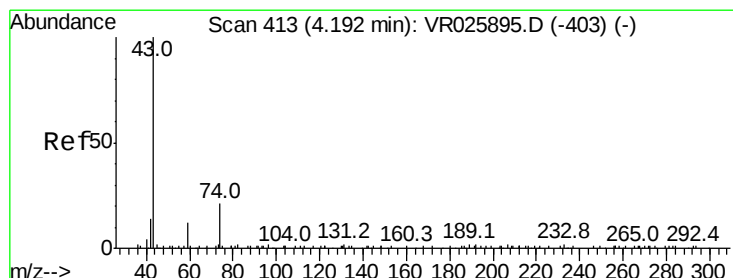
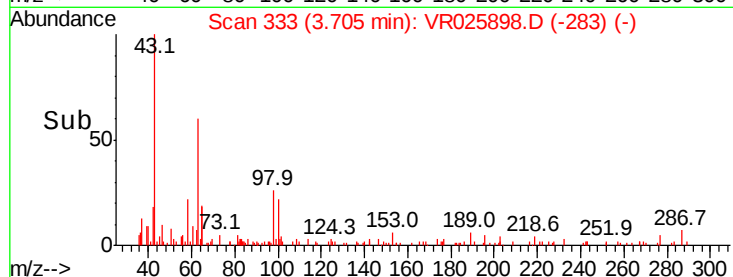
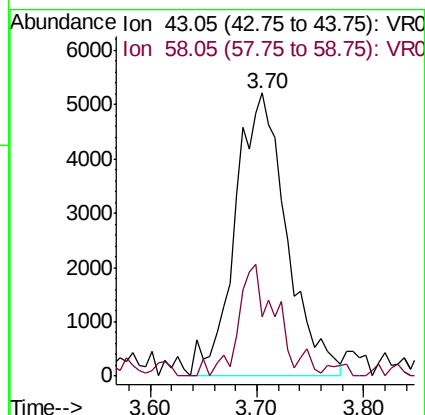
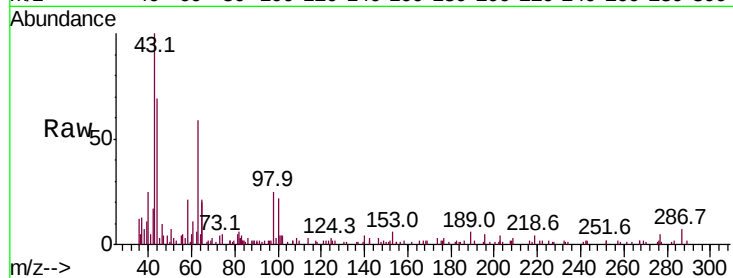




#13
Acetone
Concen: 5.209 ug/L
RT: 3.70 min Scan# 333
Delta R.T. 0.01 min
Lab File: VR025898.D
Acq: 28 Sep 2018 13:37

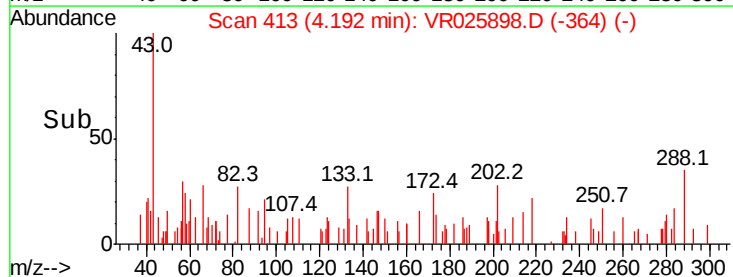
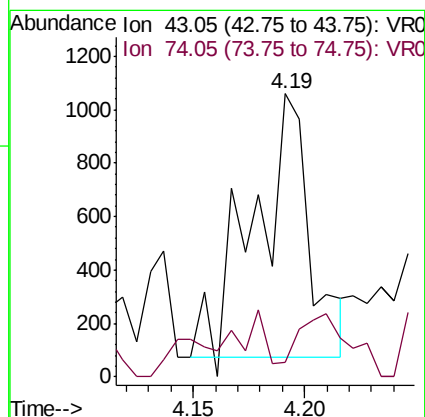
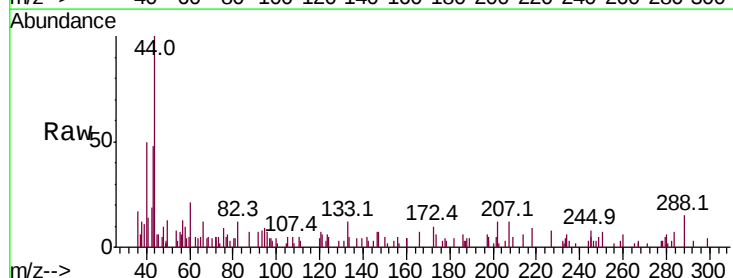
Instrument :
MSVOA_R
ClientSampled :

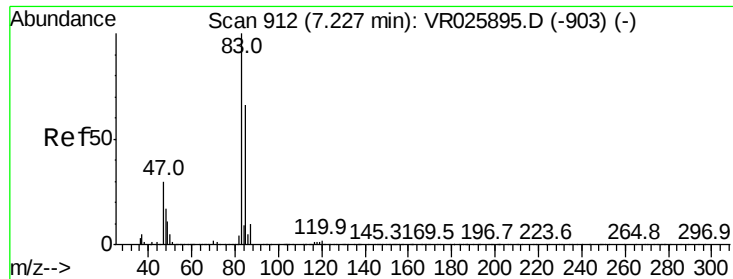
Tot Ion: 43 Resp: 17636
Ion Ratio Lower Upper
43 100
58 27.0 0.0 51.4



#15
Methyl Acetate
Concen: 0.182 ug/L
RT: 4.19 min Scan# 413
Delta R.T. -0.00 min
Lab File: VR025898.D
Acq: 28 Sep 2018 13:37

Tgt Ion: 43 Resp: 1707
Ion Ratio Lower Upper
43 100
74 12.3 19.0 28.4#

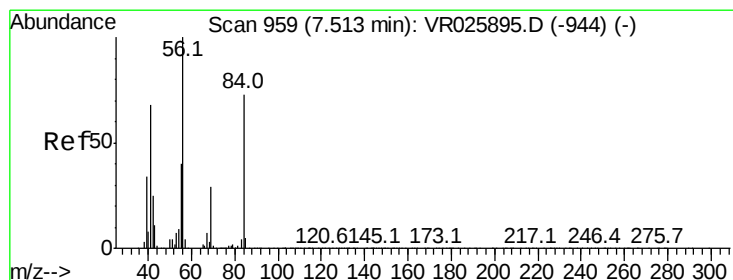
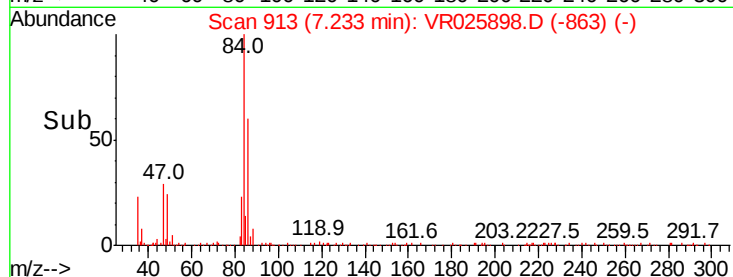
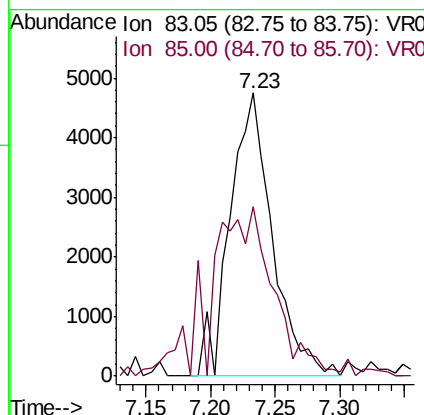
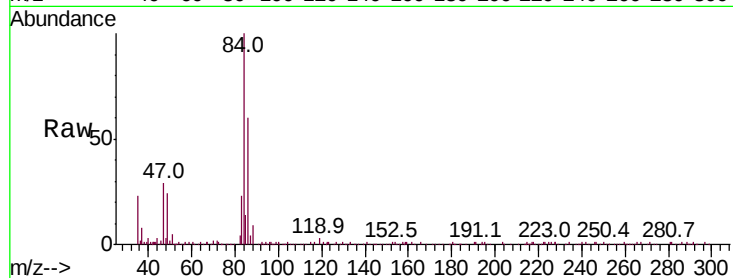




#25
Chloroform
Concen: 0.169 ug/L
RT: 7.23 min Scan# 913
Delta R.T. 0.01 min
Lab File: VR025898.D
Acq: 28 Sep 2018 13:37

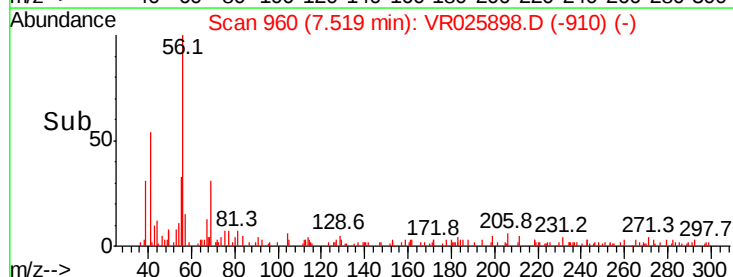
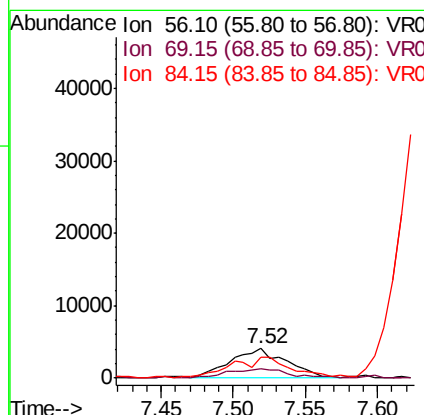
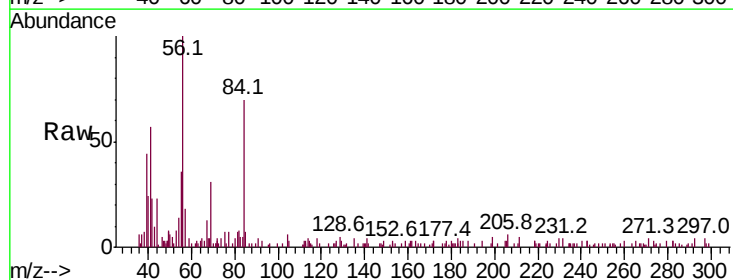
Instrument :
MSVOA_R
ClientSampled :

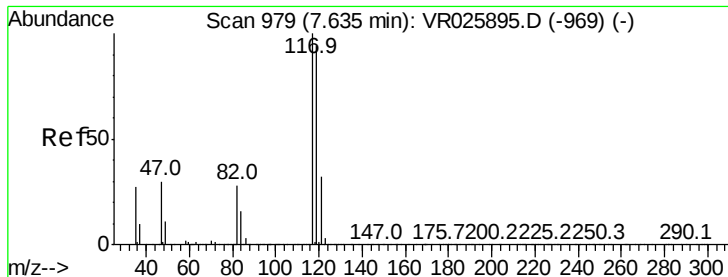
Tot Ion: 83 Resp: 10817
Ion Ratio Lower Upper
83 100
85 59.9 43.8 81.4



#30
Cyclohexane
Concen: 0.177 ug/L
RT: 7.52 min Scan# 960
Delta R.T. 0.01 min
Lab File: VR025898.D
Acq: 28 Sep 2018 13:37

Tgt Ion: 56 Resp: 10693
Ion Ratio Lower Upper
56 100
69 35.7 24.8 37.2
84 71.9 59.8 89.8





#31

Carbon tetrachloride

Concen: 15.018 ug/L

RT: 7.63 min Scan# 979

Delta R.T. -0.00 min

Lab File: VR025898.D

Acq: 28 Sep 2018 13:37

Instrument :

MSVOA_R

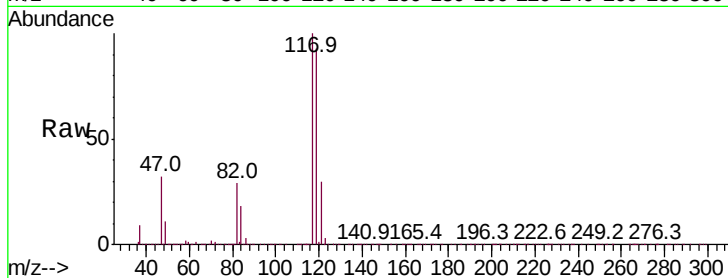
ClientSampled :

Tot Ion:117 Resp: 627206

Ion Ratio Lower Upper

117 100

119 96.1 75.6 113.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

7.63

250000

200000

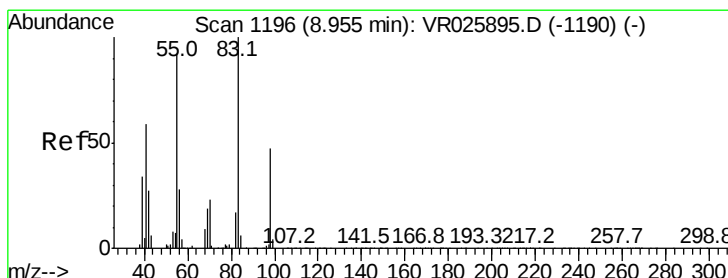
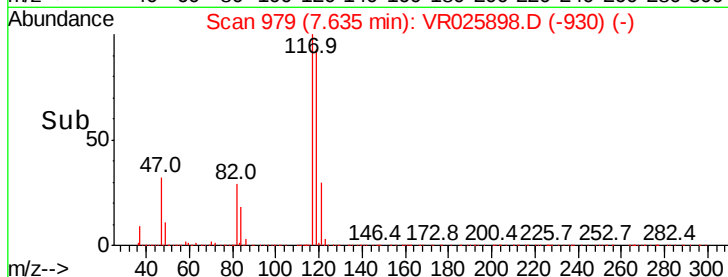
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#35

Methylcyclohexane

Concen: 0.730 ug/L

RT: 8.90 min Scan# 1187

Delta R.T. -0.05 min

Lab File: VR025898.D

Acq: 28 Sep 2018 13:37

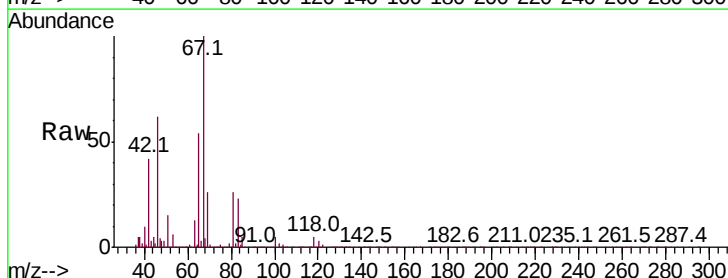
Tgt Ion: 83 Resp: 41615

Ion Ratio Lower Upper

83 100

55 0.5 71.8 107.6#

98 1.9 34.2 51.4#



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

8.90

30000

25000

20000

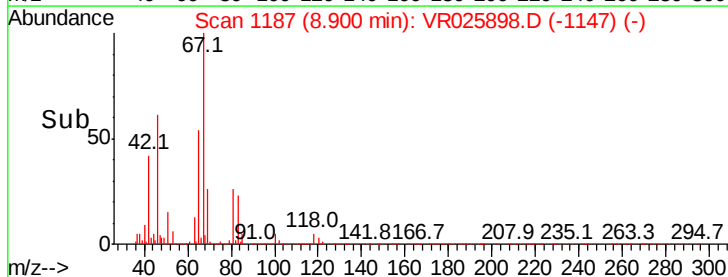
15000

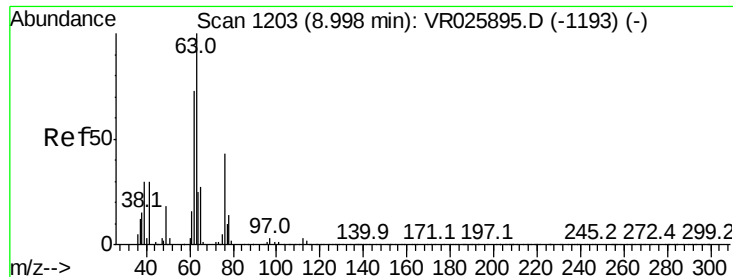
10000

5000

0

Time--> 8.80 8.90 9.00





#37

1,2-Dichloropropane

Concen: 0.695 ug/L

RT: 8.90 min Scan# 1187

Delta R.T. -0.10 min

Lab File: VR025898.D

Acq: 28 Sep 2018 13:37

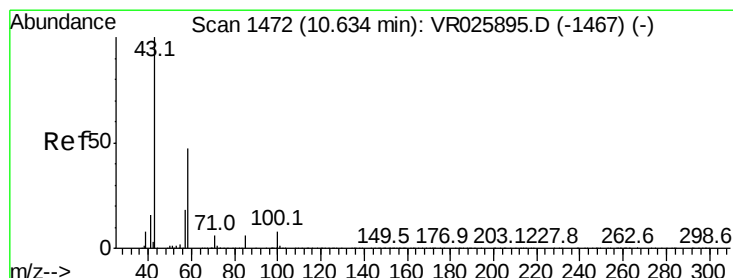
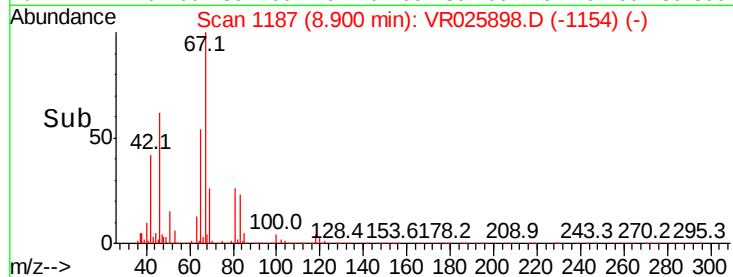
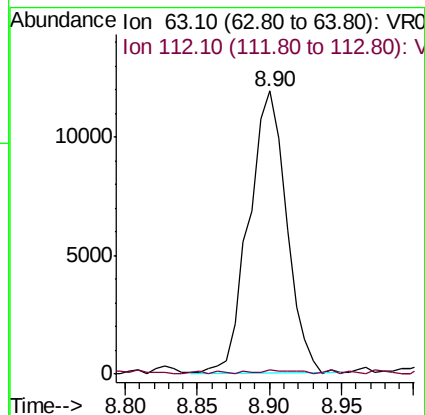
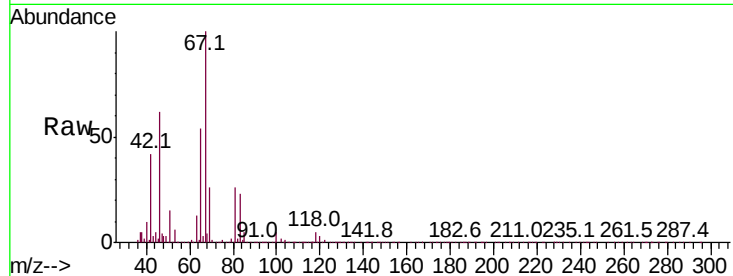
Instrument :
MSVOA_R
ClientSampled :

Tot Ion: 63 Resp: 21437

Ion Ratio Lower Upper

63 100

112 1.8 2.5 3.7#



#48

2-Hexanone

Concen: 3.235 ug/L

RT: 10.59 min Scan# 1465

Delta R.T. -0.04 min

Lab File: VR025898.D

Acq: 28 Sep 2018 13:37

Tgt Ion: 43 Resp: 22985

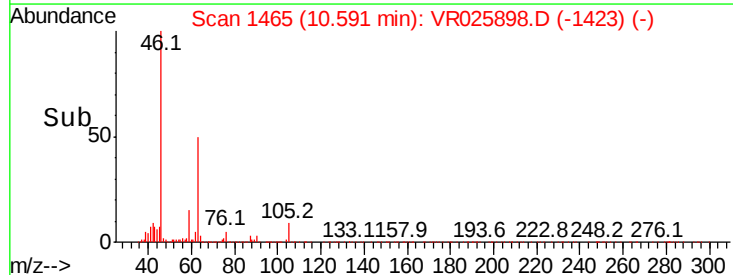
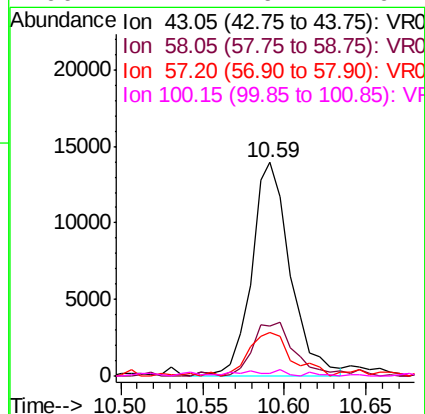
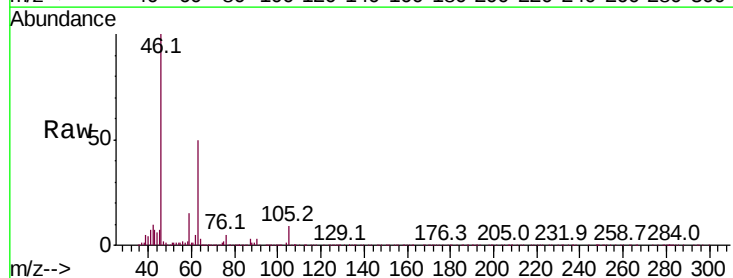
Ion Ratio Lower Upper

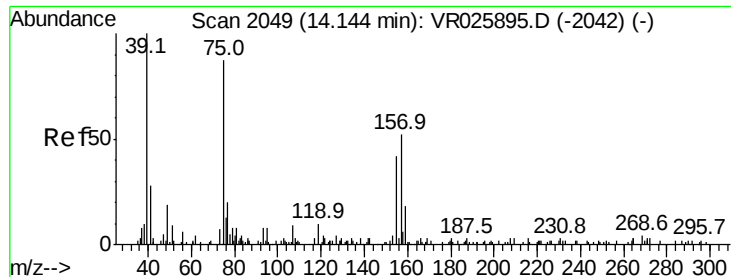
43 100

58 28.2 39.5 59.3#

57 22.8 14.6 21.8#

100 2.7 6.7 10.1#





#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.302 ug/L
 RT: 14.15 min Scan# 2050
 Delta R.T. 0.01 min
 Lab File: VR025898.D
 Acq: 28 Sep 2018 13:37

Instrument :
 MSVOA_R
 ClientSampleId :

Tot Ion: 75 Resp: 435
 Ion Ratio Lower Upper
 75 100
 155 40.2 37.8 56.6
 157 69.5 49.7 74.5

