

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR092818\
 Data File : VR025902.D
 Acq On : 28 Sep 2018 15:49
 Operator : SY/MD
 Sample : J5156-03MSD
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Sep 29 05:16:08 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	473371	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	398532	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	132120	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	187752	5.03	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.60%
7) Chloroethane-d5	2.63	69	159051	5.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.20%
11) 1,1-Dichloroethene-d2	3.63	63	463044	5.28	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	105.60%
20) 2-Butanone-d5	6.59	46	220766	53.05	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.10%
24) Chloroform-d	7.20	84	310651	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
26) 1,2-Dichloroethane-d4	7.89	65	140170	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
32) Benzene-d6	7.85	84	645503	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
36) 1,2-Dichloropropane-d6	8.89	67	178026	4.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.60%
41) Toluene-d8	9.97	98	595544	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
43) trans-1,3-Dichloropropene-	10.23	79	36807	4.54	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.80%
46) 2-Hexanone-d5	10.59	63	163858	52.96	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.92%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	66761	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.00%
64) 1,2-Dichlorobenzene-d4	13.51	152	110379	5.22	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.40%

Target Compounds

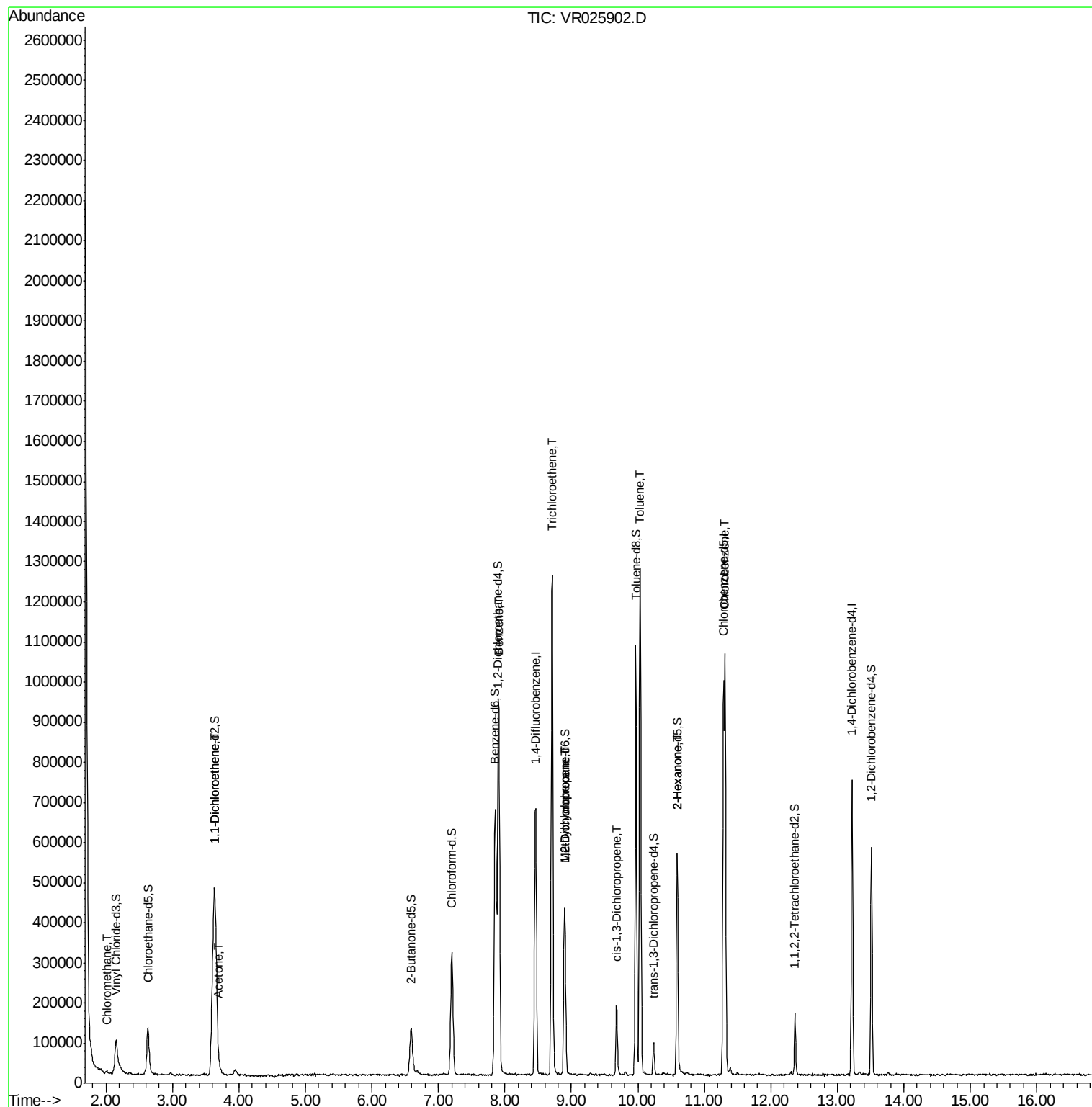
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	2.01	50	6857	0.168	ug/L #	76
12) 1,1-Dichloroethene	3.64	96	205388	5.748	ug/L	81
13) Acetone	3.69	43	15642	5.186	ug/L	75
33) Benzene	7.91	78	760833	5.692	ug/L	100
34) Trichloroethene	8.71	95	410958	11.668	ug/L	96
35) Methylcyclohexane	8.89	83	40854	0.771	ug/L #	15
37) 1,2-Dichloropropane	8.90	63	23685	0.826	ug/L #	95
39) cis-1,3-Dichloropropene	9.68	75	5379	0.167	ug/L	94
42) Toluene	10.04	91	814047	5.861	ug/L	98
48) 2-Hexanone	10.59	43	23704	3.590	ug/L #	72
51) Chlorobenzene	11.32	112	421466	5.720	ug/L	94

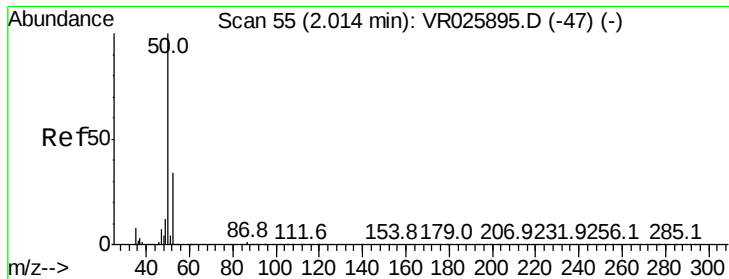
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.168 ug/L

RT: 2.01 min Scan# 54

Delta R.T. -0.01 min

Lab File: VR025902.D

Acq: 28 Sep 2018 15:49

Instrument :

MSVOA_R

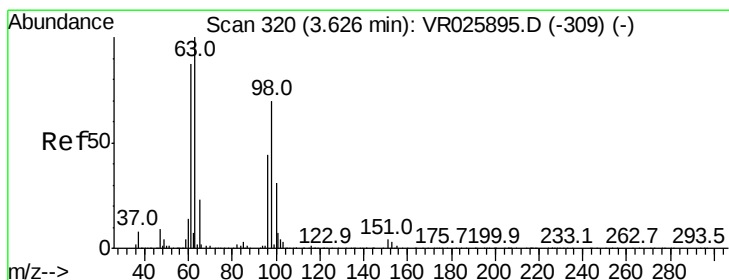
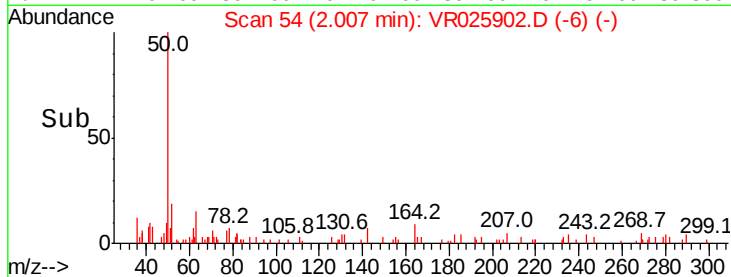
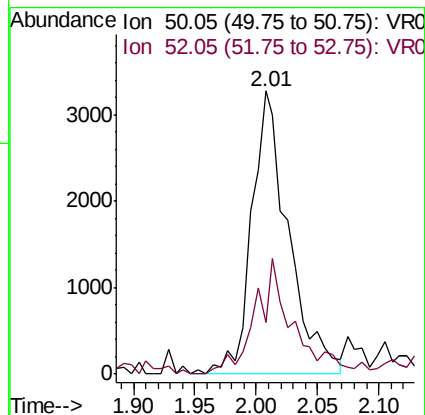
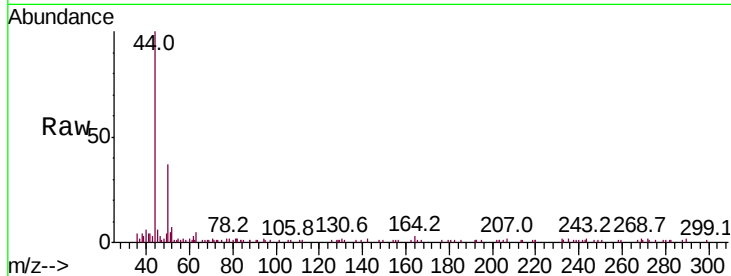
ClientSampleId :

Tot Ion: 50 Resp: 6857

Ion Ratio Lower Upper

50 100

52 18.1 22.1 41.1#



#12

1,1-Dichloroethene

Concen: 5.748 ug/L

RT: 3.64 min Scan# 322

Delta R.T. 0.01 min

Lab File: VR025902.D

Acq: 28 Sep 2018 15:49

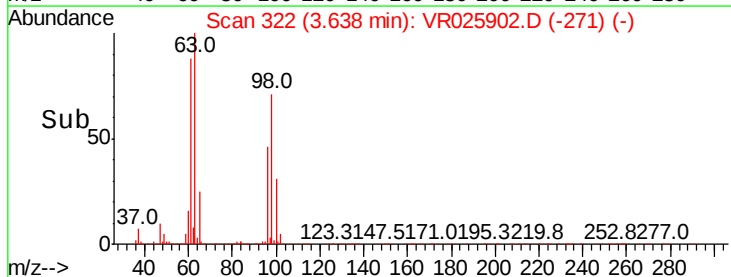
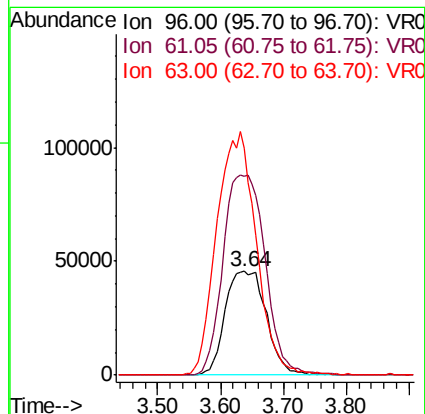
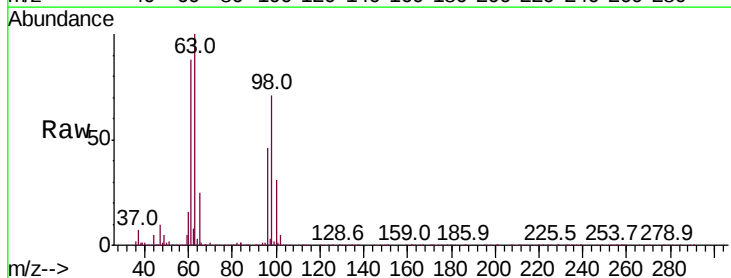
Tgt Ion: 96 Resp: 205388

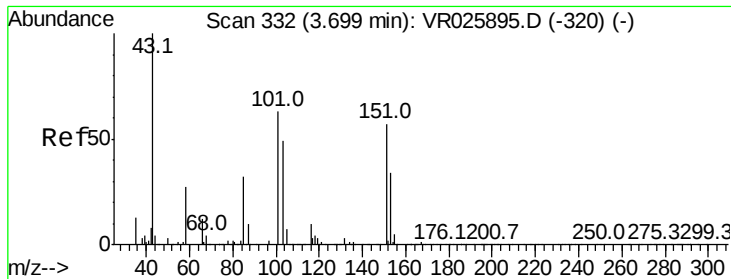
Ion Ratio Lower Upper

96 100

61 192.1 145.0 269.4

63 219.2 123.8 230.0





#13

Acetone

Concen: 5.186 ug/L

RT: 3.69 min Scan# 331

Delta R.T. -0.01 min

Lab File: VR025902.D

Acq: 28 Sep 2018 15:49

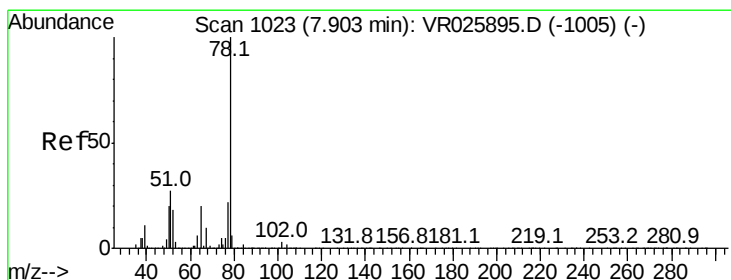
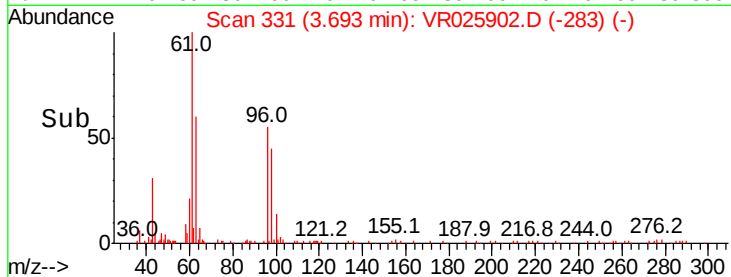
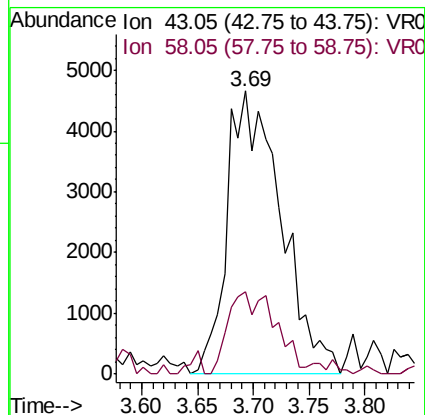
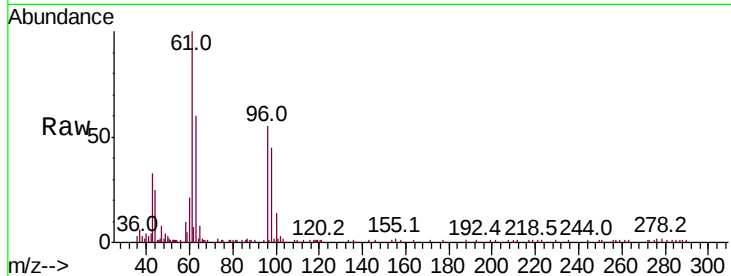
Instrument :
MSVOA_R
ClientSampled :

Tot Ion: 43 Resp: 15642

Ion Ratio Lower Upper

43 100

58 13.1 0.0 51.4



#33

Benzene

Concen: 5.692 ug/L

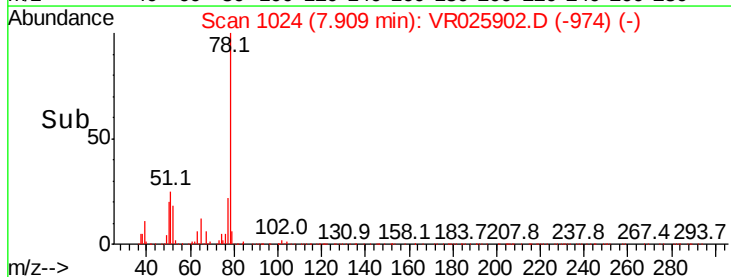
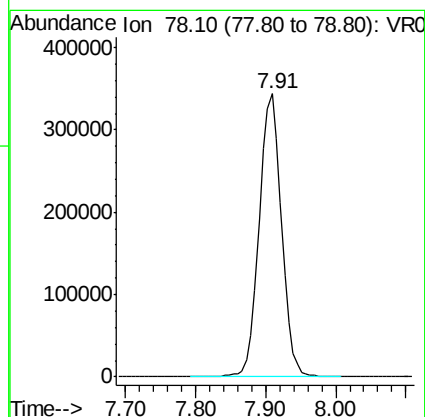
RT: 7.91 min Scan# 1024

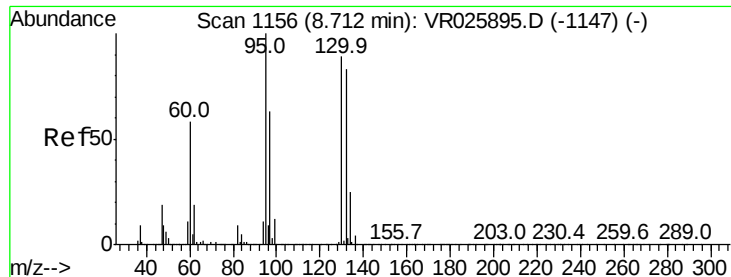
Delta R.T. 0.01 min

Lab File: VR025902.D

Acq: 28 Sep 2018 15:49

Tgt Ion: 78 Resp: 760833





#34

Trichloroethene

Concen: 11.668 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VR025902.D

Acq: 28 Sep 2018 15:49

Instrument :

MSVOA_R

ClientSampleId :

Tot Ion: 95 Resp: 410958

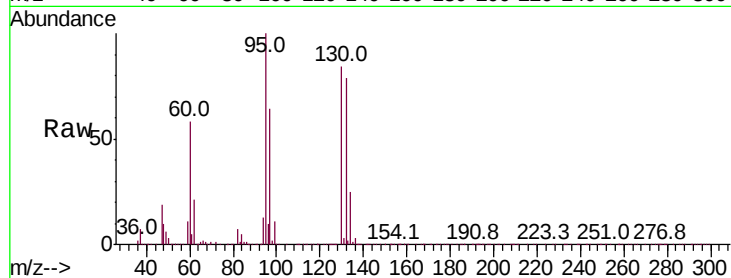
Ion Ratio Lower Upper

95 100

97 63.8 43.9 81.5

132 78.5 53.3 98.9

130 84.1 53.8 99.8

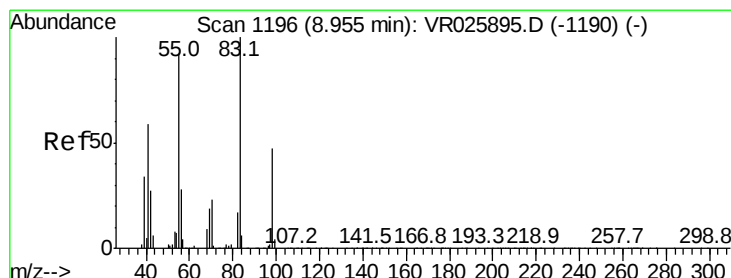
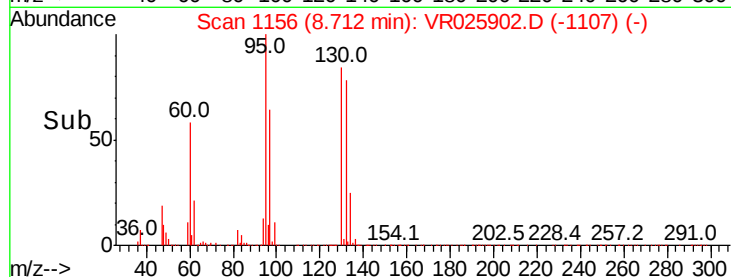
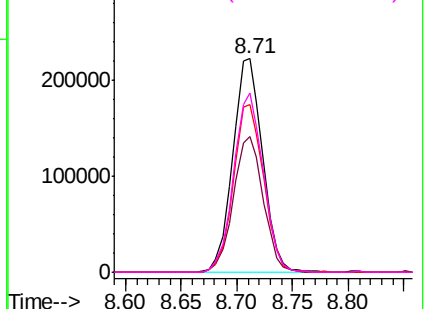


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 0.771 ug/L

RT: 8.89 min Scan# 1186

Delta R.T. -0.06 min

Lab File: VR025902.D

Acq: 28 Sep 2018 15:49

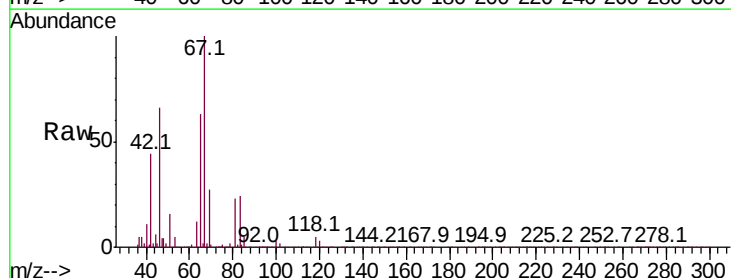
Tgt Ion: 83 Resp: 40854

Ion Ratio Lower Upper

83 100

55 1.7 71.8 107.6#

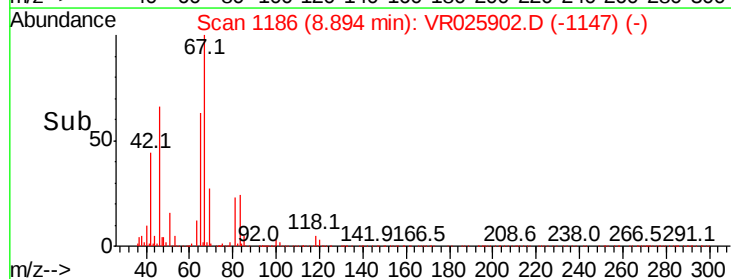
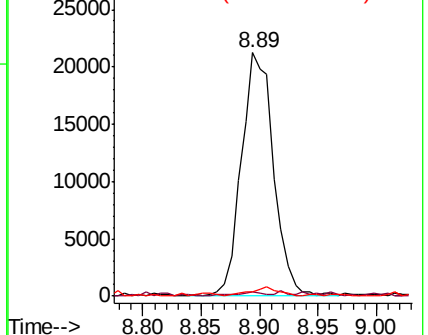
98 0.0 34.2 51.4#

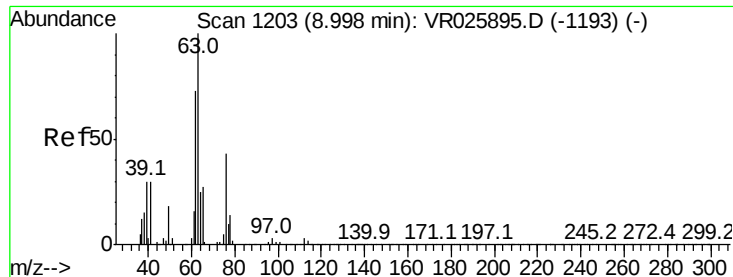


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 0.826 ug/L

RT: 8.90 min Scan# 1187

Delta R.T. -0.10 min

Lab File: VR025902.D

Acq: 28 Sep 2018 15:49

Instrument :

MSVOA_R

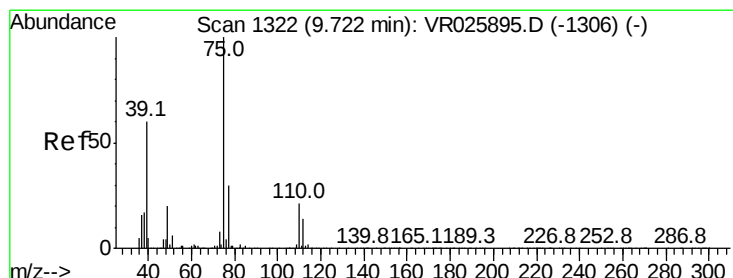
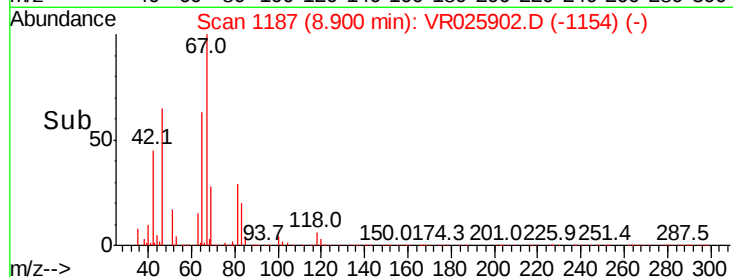
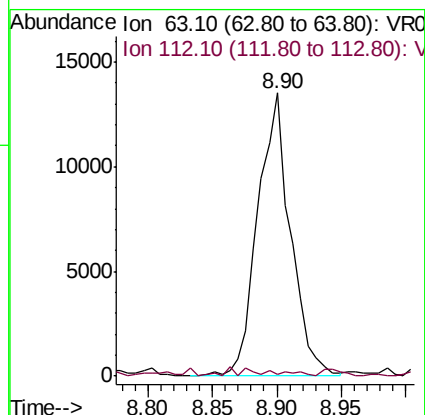
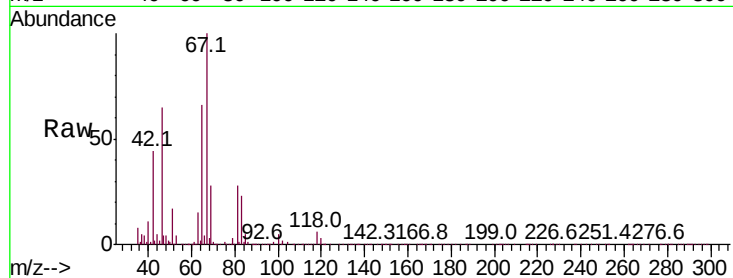
ClientSampled :

Tot Ion: 63 Resp: 23685

Ion Ratio Lower Upper

63 100

112 1.6 2.5 3.7#



#39

cis-1,3-Dichloropropene

Concen: 0.167 ug/L

RT: 9.68 min Scan# 1315

Delta R.T. -0.04 min

Lab File: VR025902.D

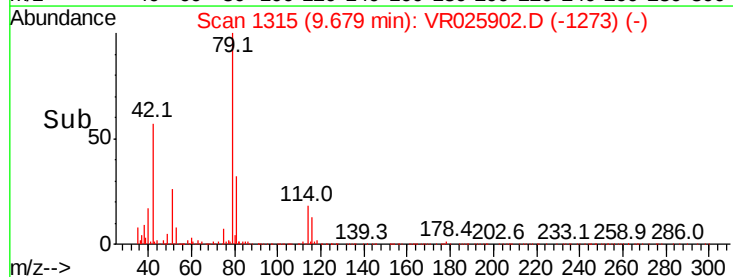
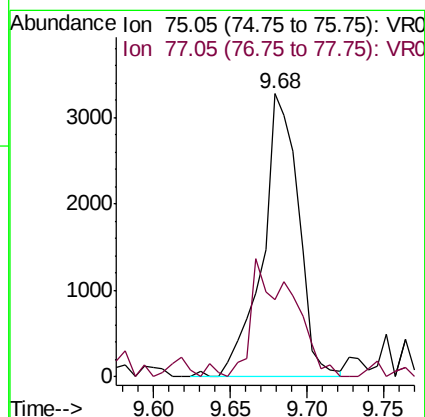
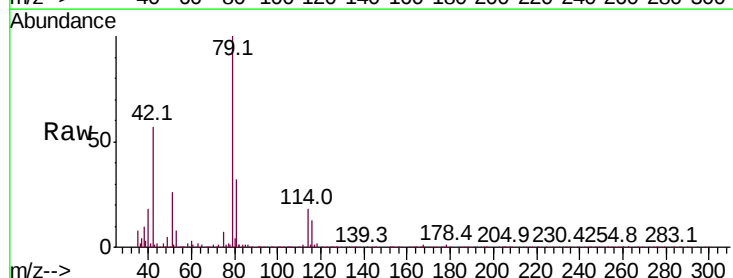
Acq: 28 Sep 2018 15:49

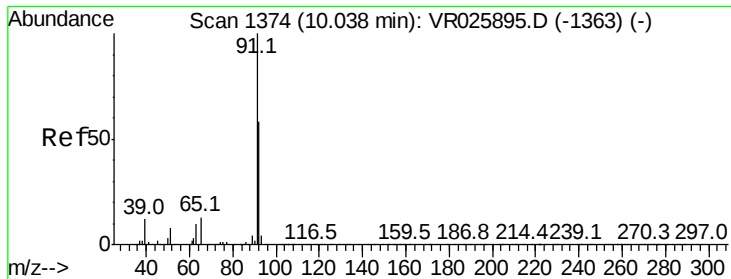
Tgt Ion: 75 Resp: 5379

Ion Ratio Lower Upper

75 100

77 27.3 21.5 39.9





#42

Toluene

Concen: 5.861 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. -0.00 min

Lab File: VR025902.D

Acq: 28 Sep 2018 15:49

Instrument :

MSVOA_R

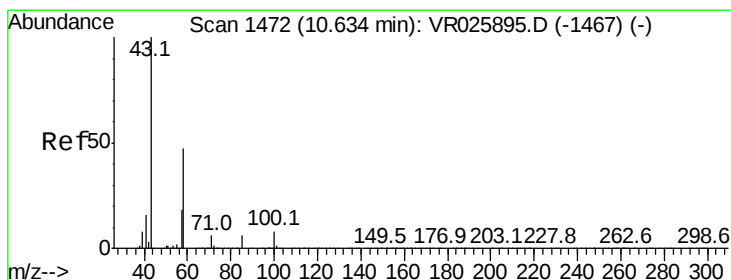
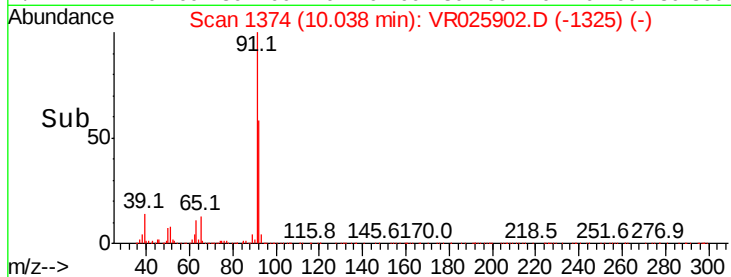
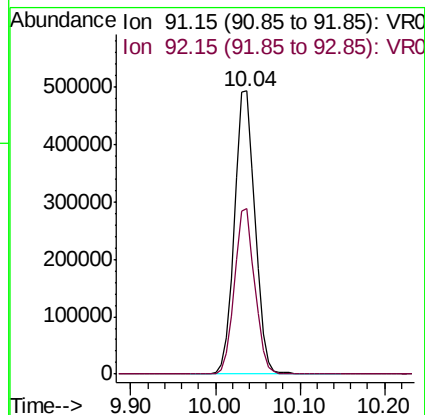
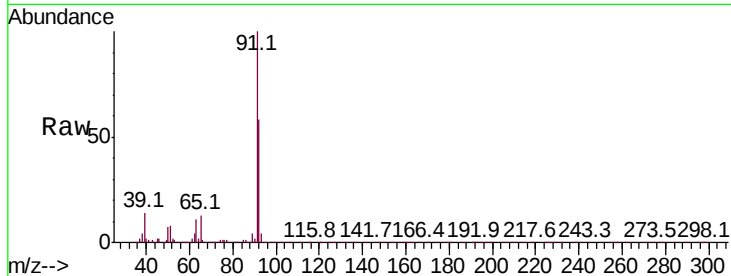
ClientSampleId :

Tot Ion: 91 Resp: 814047

Ion Ratio Lower Upper

91 100

92 58.3 41.8 77.6



#48

2-Hexanone

Concen: 3.590 ug/L

RT: 10.59 min Scan# 1464

Delta R.T. -0.05 min

Lab File: VR025902.D

Acq: 28 Sep 2018 15:49

Tgt Ion: 43 Resp: 23704

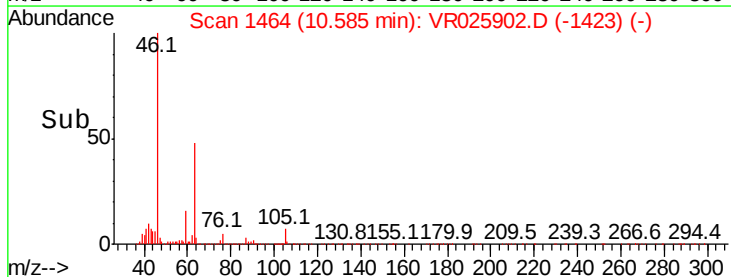
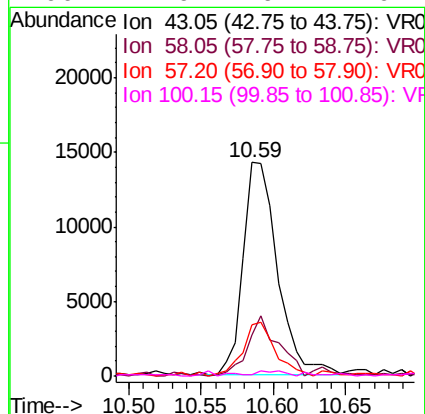
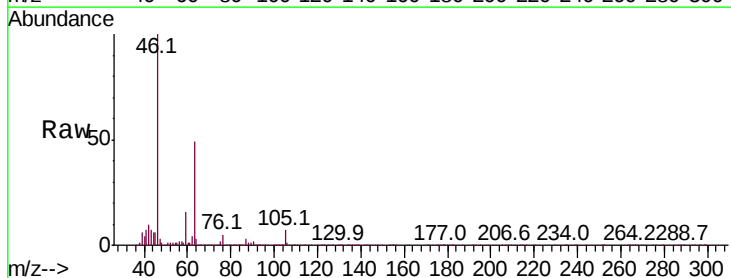
Ion Ratio Lower Upper

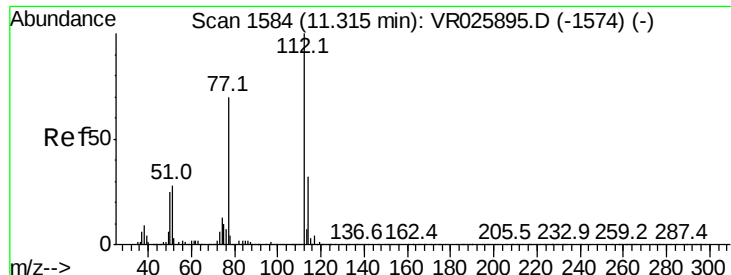
43 100

58 25.4 39.5 59.3#

57 23.3 14.6 21.8#

100 1.9 6.7 10.1#





#51

Chlorobenzene

Concen: 5.720 ug/L

RT: 11.32 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VR025902.D

Acq: 28 Sep 2018 15:49

Instrument :

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ClientSampleId :

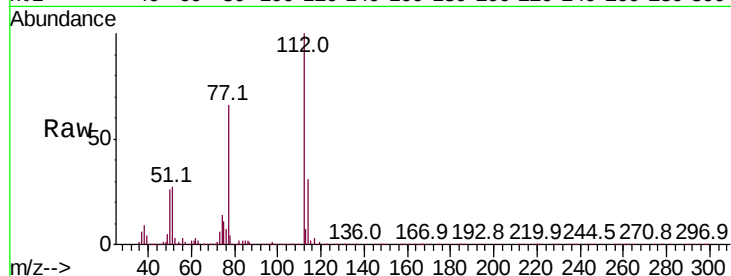
Tot Ion:112 Resp: 421466

Ion Ratio Lower Upper

112 100

114 31.4 22.7 42.3

77 66.3 58.5 87.7



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VR0

