

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR100218\
 Data File : VR025923.D
 Acq On : 2 Oct 2018 12:32
 Operator : SY/MD
 Sample : J5160-06
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Oct 03 02:54:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 03 02:53:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	459035	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	381988	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	126053	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	160378	4.43	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.60%
7) Chloroethane-d5	2.63	69	145207	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.20%
11) 1,1-Dichloroethene-d2	3.63	63	281682	3.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.20%
20) 2-Butanone-d5	6.59	46	214306	53.11	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.22%
24) Chloroform-d	7.20	84	290232	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
26) 1,2-Dichloroethane-d4	7.90	65	132759	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
32) Benzene-d6	7.85	84	565176	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.00%
36) 1,2-Dichloropropane-d6	8.90	67	162330	4.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.80%
41) Toluene-d8	9.97	98	490174	4.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.00%
43) trans-1,3-Dichloropropene-	10.23	79	28999	3.73	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.60%
46) 2-Hexanone-d5	10.59	63	160847	54.24	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.48%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	65400	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.00%
64) 1,2-Dichlorobenzene-d4	13.52	152	93367	4.62	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.40%

Target Compounds

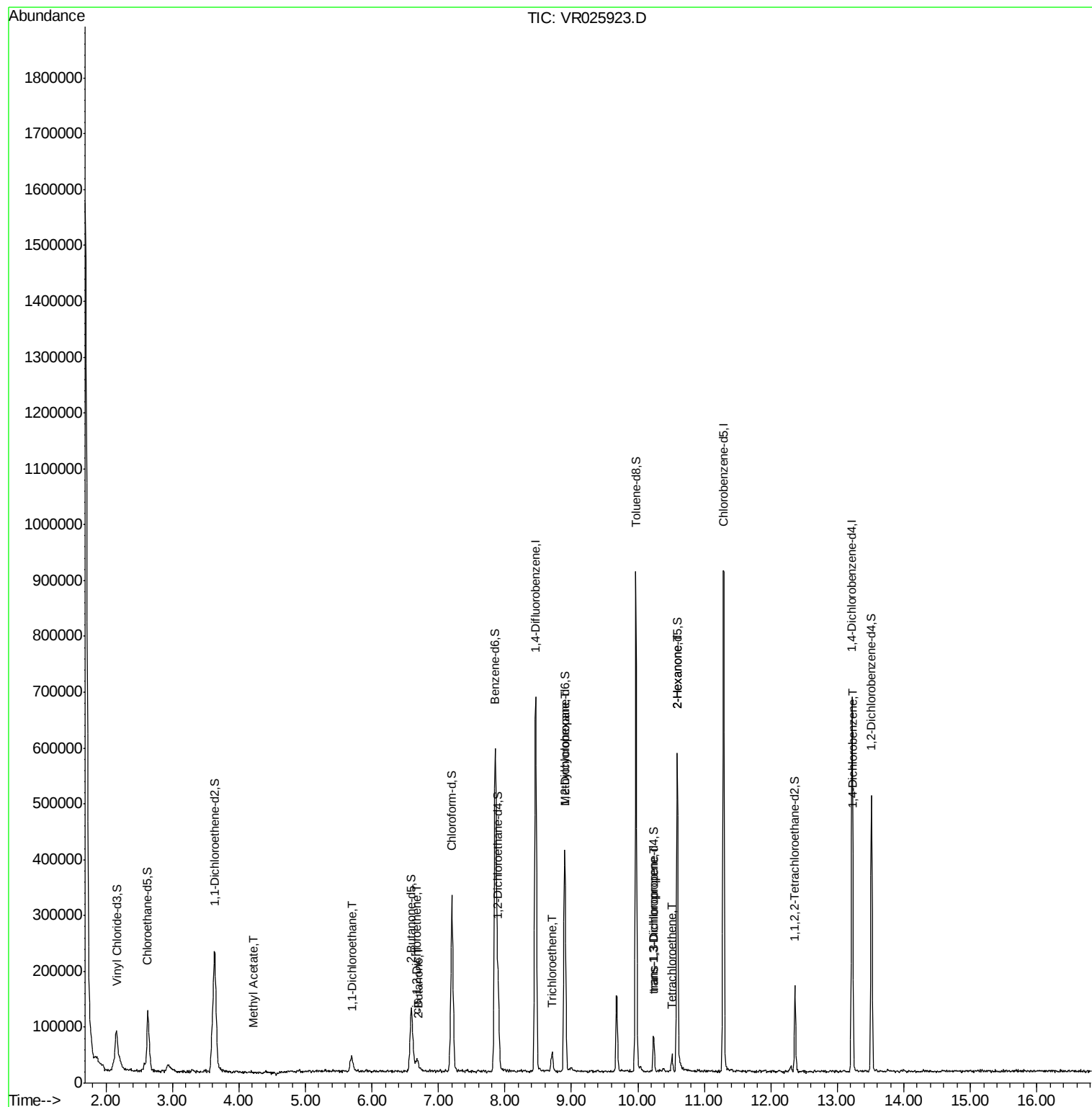
					Ovalue
15) Methyl Acetate	4.21	43	670	0.083	ug/L # 75
19) 1,1-Dichloroethane	5.70	63	38187	0.673	ug/L 96
21) 2-Butanone	6.70	43	5231	1.300	ug/L 99
22) cis-1,2-Dichloroethene	6.67	96	7947	0.276	ug/L # 89
34) Trichloroethene	8.71	95	10824	0.321	ug/L 95
35) Methylcyclohexane	8.90	83	37759	0.744	ug/L # 16
44) trans-1,3-Dichloropropene	10.24	75	2474	0.123	ug/L 91
47) Tetrachloroethene	10.51	164	5387	0.259	ug/L 90
48) 2-Hexanone	10.59	43	23870	3.772	ug/L # 74
63) 1,4-Dichlorobenzene	13.24	146	1805	0.048	ug/L # 78

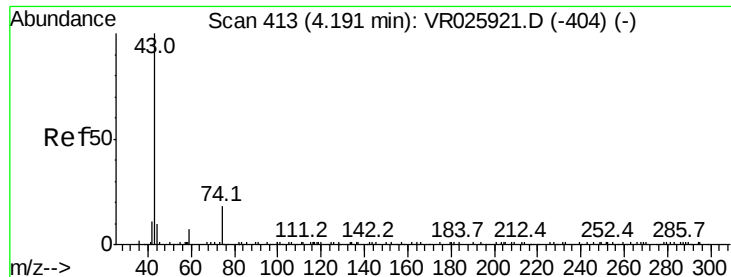
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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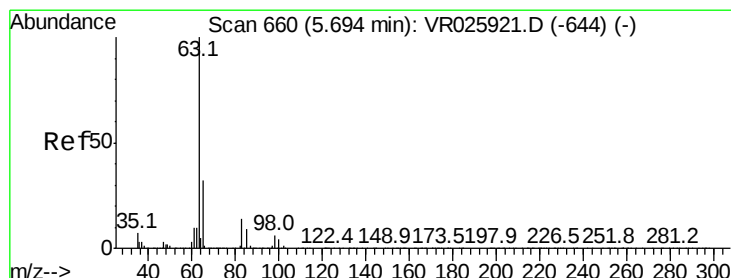
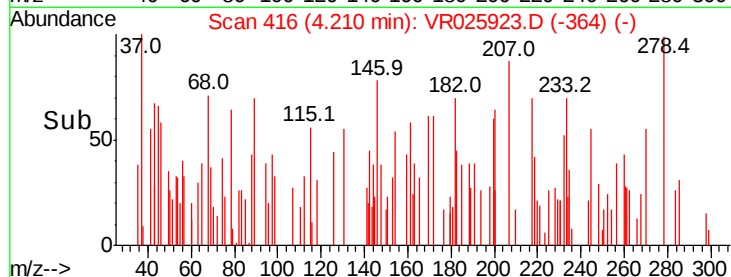
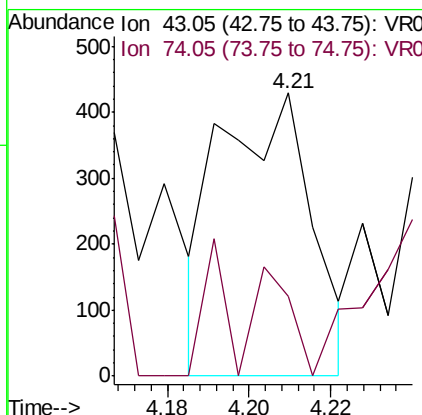
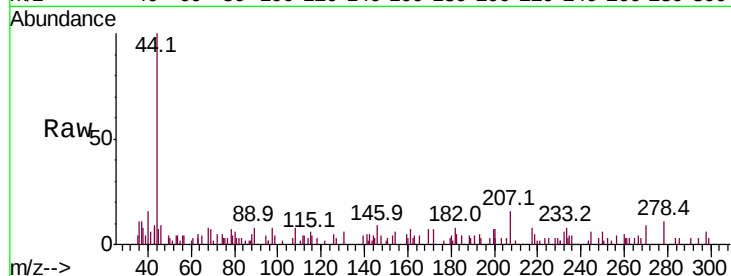




#15
Methvl Acetate
Concen: 0.083 ug/L
RT: 4.21 min Scan# 416
Delta R.T. 0.02 min
Lab File: VR025923.D
Acq: 2 Oct 2018 12:32

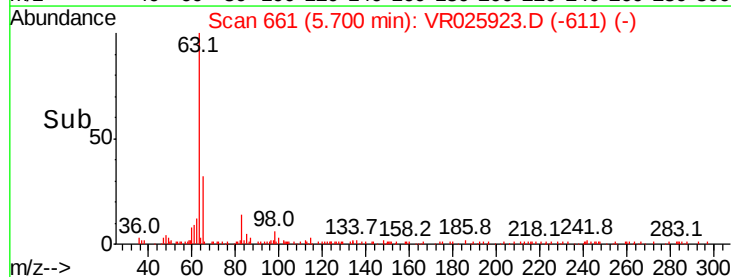
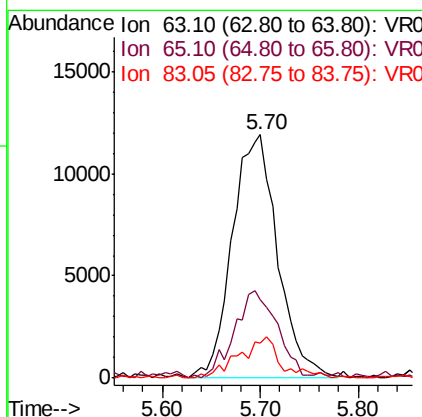
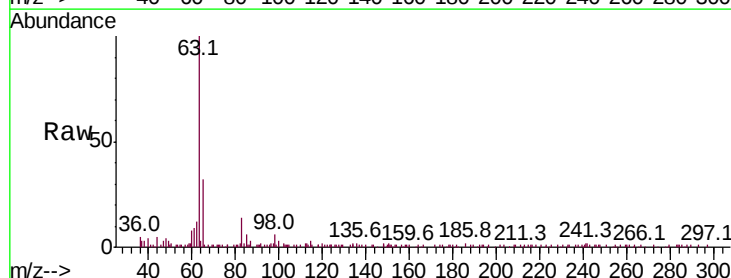
Instrument :
MSVOA_R
ClientSampled :

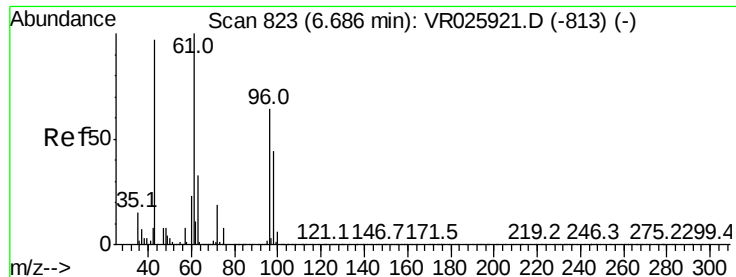
Tot Ion: 43 Resp: 670
Ion Ratio Lower Upper
43 100
74 11.3 19.0 28.4#



#19
1,1-Dichloroethane
Concen: 0.673 ug/L
RT: 5.70 min Scan# 661
Delta R.T. 0.01 min
Lab File: VR025923.D
Acq: 2 Oct 2018 12:32

Tgt Ion: 63 Resp: 38187
Ion Ratio Lower Upper
63 100
65 32.3 21.1 39.1
83 14.5 8.9 16.5





#21

2-Butanone

Concen: 1.300 ug/L

RT: 6.70 min Scan# 826

Delta R.T. 0.02 min

Lab File: VR025923.D

Acq: 2 Oct 2018 12:32

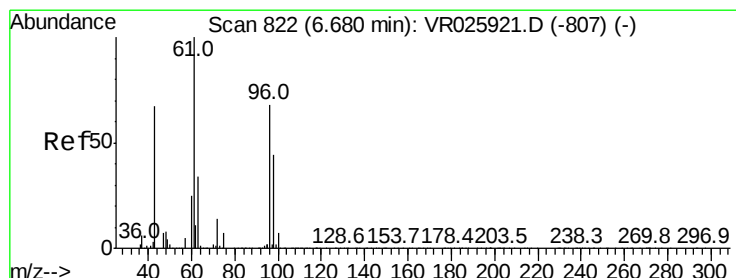
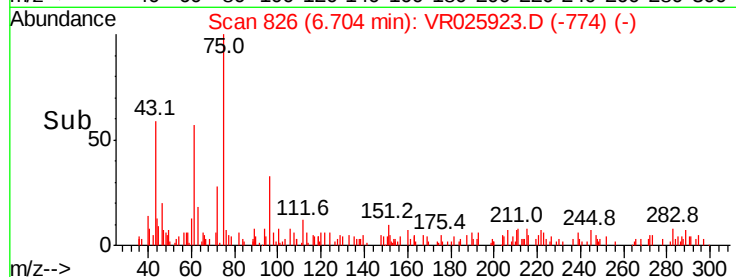
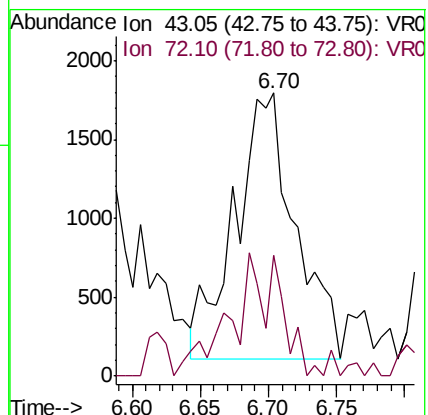
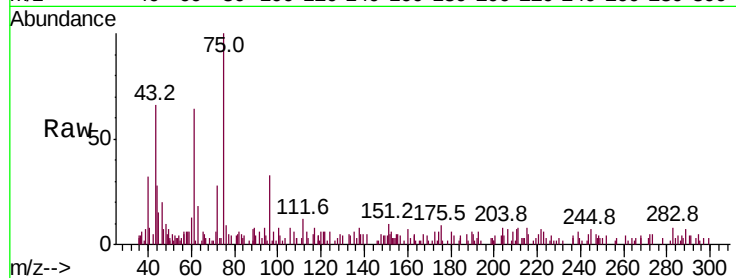
Instrument :
MSVOA_R
ClientSampled :

Tot Ion: 43 Resp: 5231

Ion Ratio Lower Upper

43 100

72 24.3 11.9 35.7



#22

cis-1,2-Dichloroethene

Concen: 0.276 ug/L

RT: 6.67 min Scan# 821

Delta R.T. -0.01 min

Lab File: VR025923.D

Acq: 2 Oct 2018 12:32

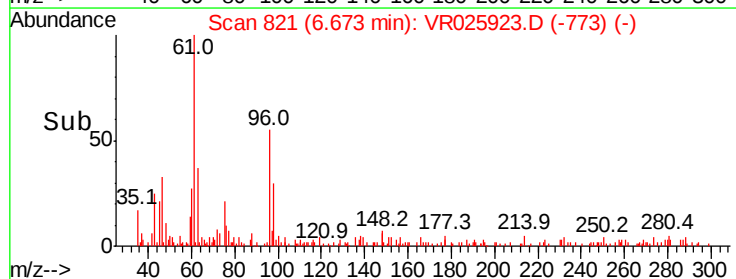
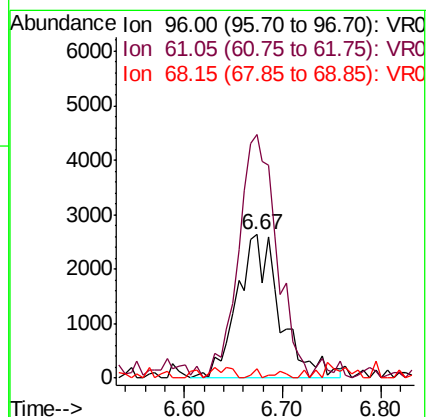
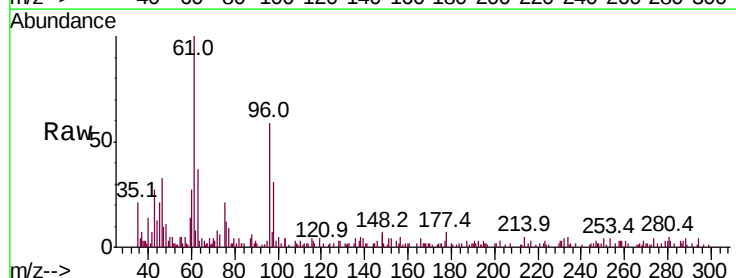
Tgt Ion: 96 Resp: 7947

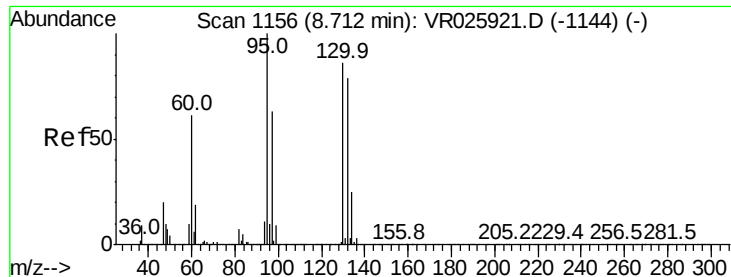
Ion Ratio Lower Upper

96 100

61 169.9 108.7 201.9

68 6.8 0.1 0.1#





#34

Trichloroethene

Concen: 0.321 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VR025923.D

Acq: 2 Oct 2018 12:32

Instrument :

MSVOA_R

ClientSampleId :

Tot Ion: 95 Resp: 10824

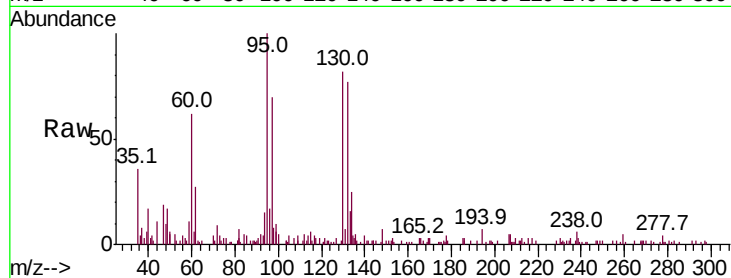
Ion Ratio Lower Upper

95 100

97 70.3 43.9 81.5

132 76.7 53.3 98.9

130 82.5 53.8 99.8

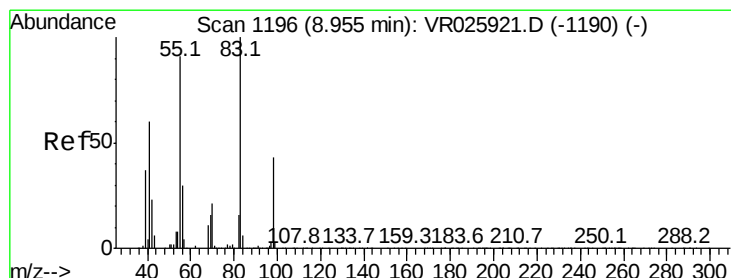
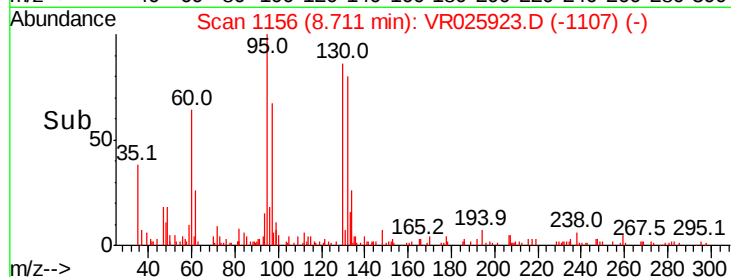
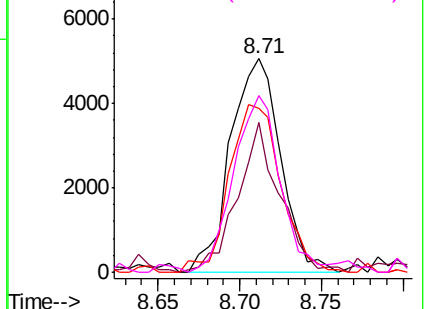


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 0.744 ug/L

RT: 8.90 min Scan# 1187

Delta R.T. -0.05 min

Lab File: VR025923.D

Acq: 2 Oct 2018 12:32

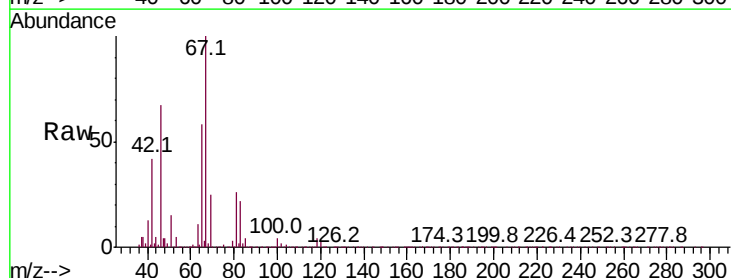
Tgt Ion: 83 Resp: 37759

Ion Ratio Lower Upper

83 100

55 1.1 71.8 107.6#

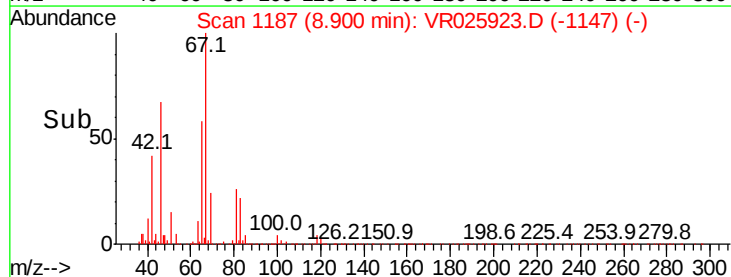
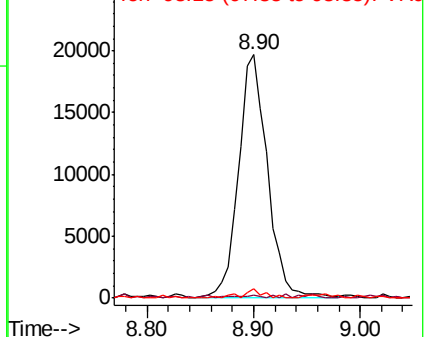
98 2.9 34.2 51.4#

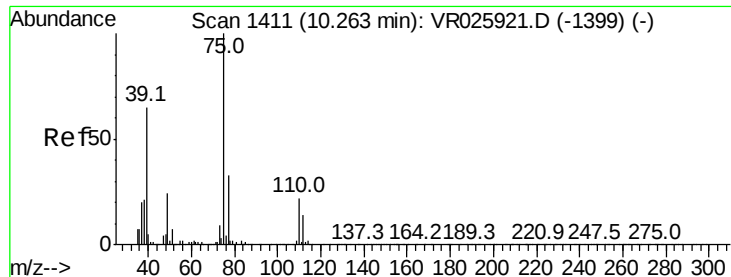


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#44

trans-1,3-Dichloropropene

Concen: 0.123 ug/L

RT: 10.24 min Scan# 1408

Delta R.T. -0.02 min

Lab File: VR025923.D

Acq: 2 Oct 2018 12:32

Instrument :

MSVOA_R

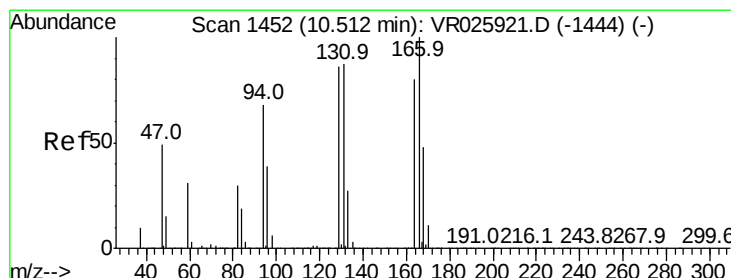
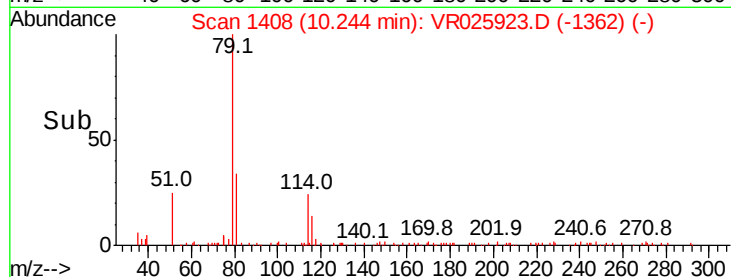
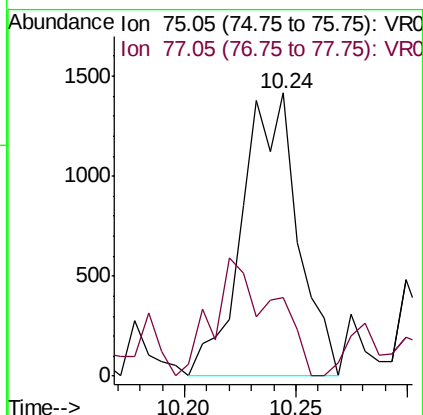
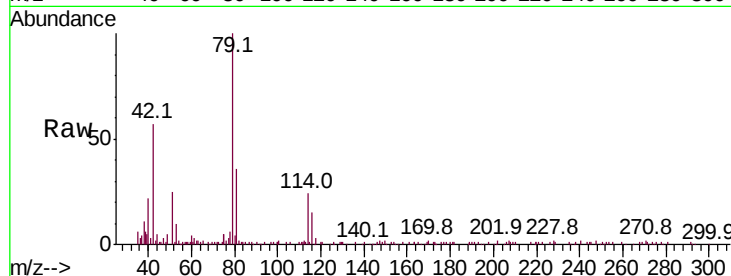
ClientSampleId :

Tot Ion: 75 Resp: 2474

Ion Ratio Lower Upper

75 100

77 27.7 23.0 42.8



#47

Tetrachloroethene

Concen: 0.259 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VR025923.D

Acq: 2 Oct 2018 12:32

Tgt Ion: 164 Resp: 5387

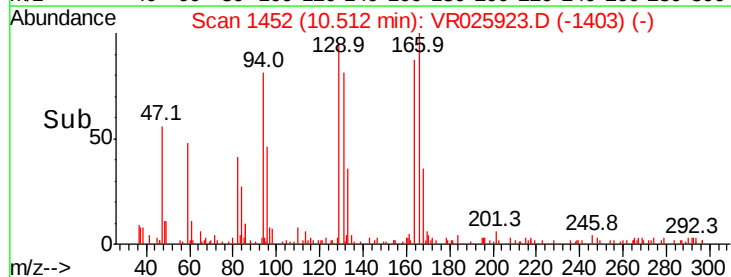
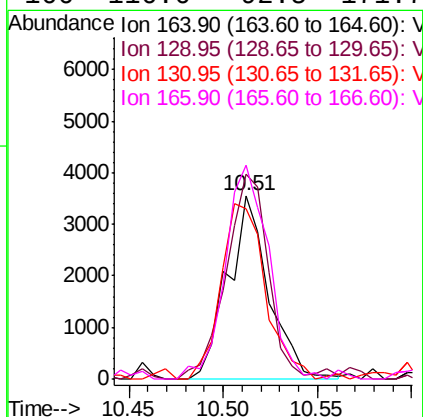
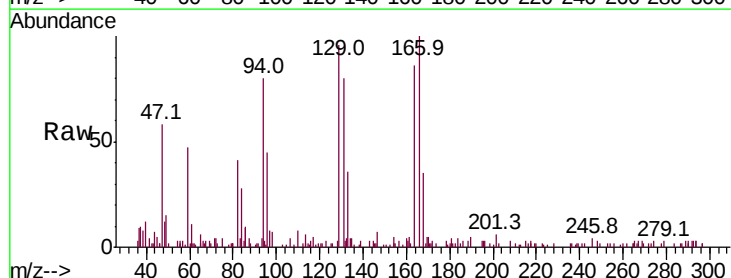
Ion Ratio Lower Upper

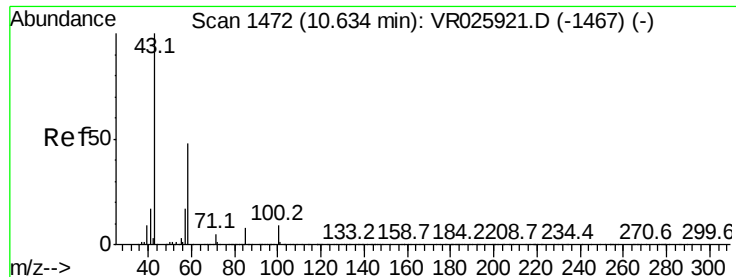
164 100

129 111.5 80.8 150.2

131 93.1 74.5 138.3

166 116.6 92.5 171.7

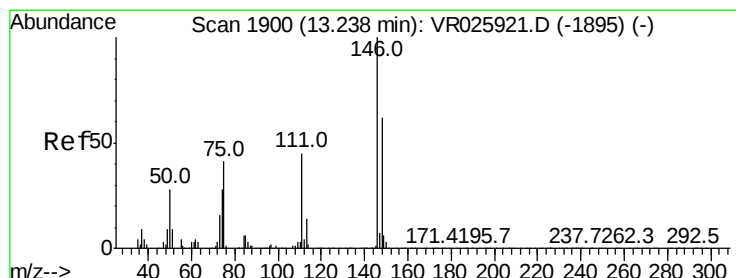
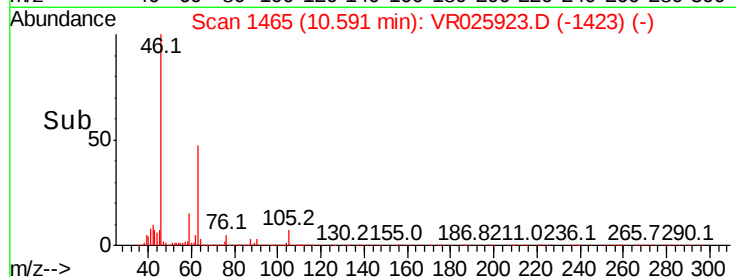
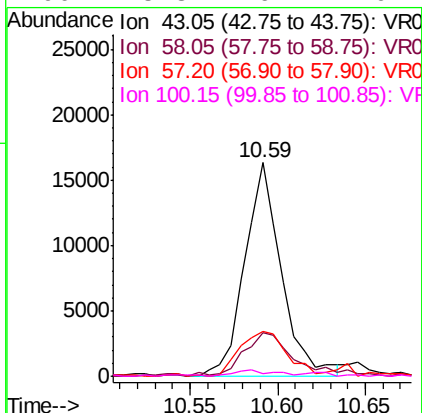
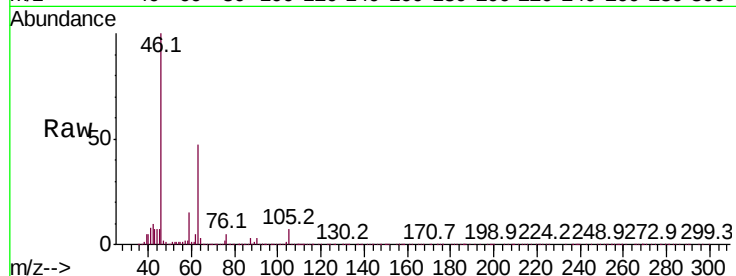




#48
2-Hexanone
Concen: 3.772 ug/L
RT: 10.59 min Scan# 1465
Delta R.T. -0.04 min
Lab File: VR025923.D
Acq: 2 Oct 2018 12:32

Instrument :
MSVOA_R
ClientSampleID :

Tot Ion: 43 Resp: 23870
Ion Ratio Lower Upper
43 100
58 28.5 39.5 59.3#
57 27.4 14.6 21.8#
100 3.3 6.7 10.1#



#63
1,4-Dichlorobenzene
Concen: 0.048 ug/L
RT: 13.24 min Scan# 1900
Delta R.T. -0.00 min
Lab File: VR025923.D
Acq: 2 Oct 2018 12:32

Tgt Ion: 146 Resp: 1805
Ion Ratio Lower Upper
146 100
111 73.2 32.9 61.1#
148 73.2 45.5 84.5

