

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101618\
 Data File : VR026101.D
 Acq On : 16 Oct 2018 14:55
 Operator : SY/MD
 Sample : J5379-12DL 20X
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Oct 17 08:52:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 17 08:49:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	541045	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	448658	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	135965	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	278209	5.88	ug/L	-0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	117.60%
7) Chloroethane-d5	2.63	69	229661	5.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	112.80%
11) 1,1-Dichloroethene-d2	3.60	63	509119	4.38	ug/L	-0.02
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.60%
20) 2-Butanone-d5	6.58	46	218065	56.09	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.18%
24) Chloroform-d	7.20	84	377265	5.01	ug/L	-0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.20%
26) 1,2-Dichloroethane-d4	7.89	65	160385	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.40%
32) Benzene-d6	7.85	84	777591	5.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.80%
36) 1,2-Dichloropropane-d6	8.89	67	207217	5.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.40%
41) Toluene-d8	9.97	98	740735	5.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.80%
43) trans-1,3-Dichloropropene-	10.24	79	47561	4.87	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.40%
46) 2-Hexanone-d5	10.59	63	167325	59.35	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	118.70%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	73512	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.60%
64) 1,2-Dichlorobenzene-d4	13.52	152	122194	5.69	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.80%

Target Compounds

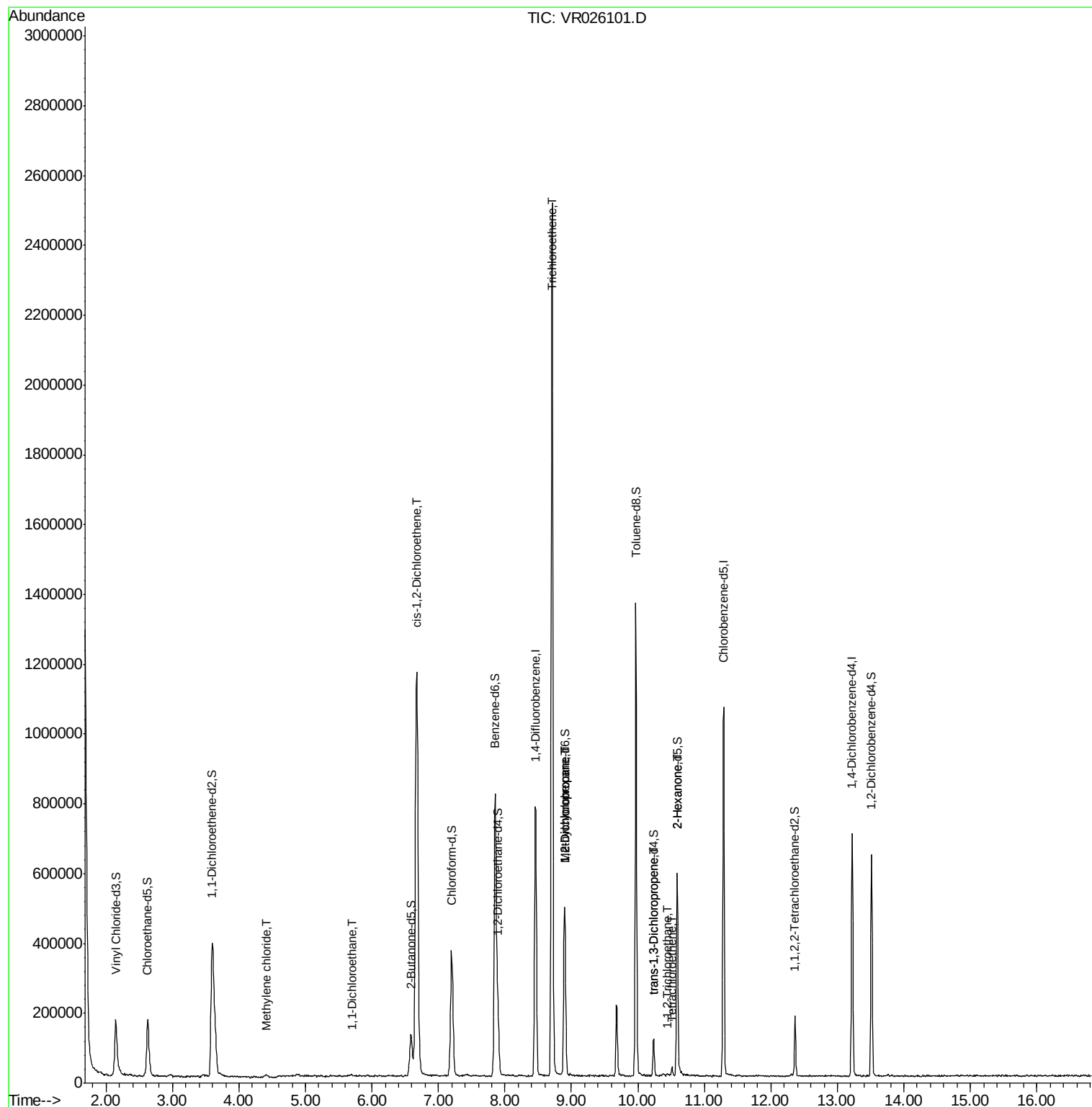
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
16) Methylene chloride	4.41	84	5737	0.120	ug/L #	67
19) 1,1-Dichloroethane	5.69	63	6844	0.092	ug/L #	73
22) cis-1,2-Dichloroethene	6.67	96	639579	16.993	ug/L #	98
34) Trichloroethene	8.71	95	809548	18.788	ug/L	97
35) Methylcyclohexane	8.90	83	49782	0.776	ug/L #	17
37) 1,2-Dichloropropane	8.90	63	27310	0.769	ug/L #	92
44) trans-1,3-Dichloropropene	10.23	75	3343	0.118	ug/L	89
45) 1,1,2-Trichloroethane	10.44	97	1995	0.133	ug/L #	67
47) Tetrachloroethene	10.51	164	5031	0.164	ug/L	90
48) 2-Hexanone	10.59	43	26381	3.724	ug/L #	71

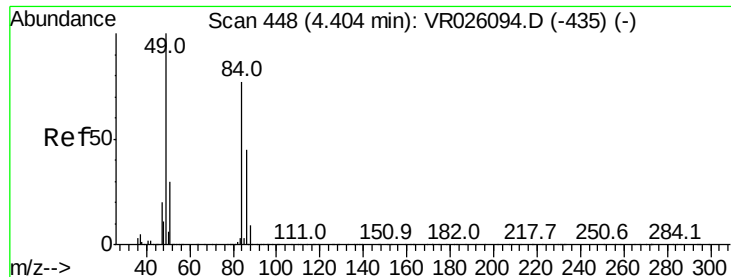
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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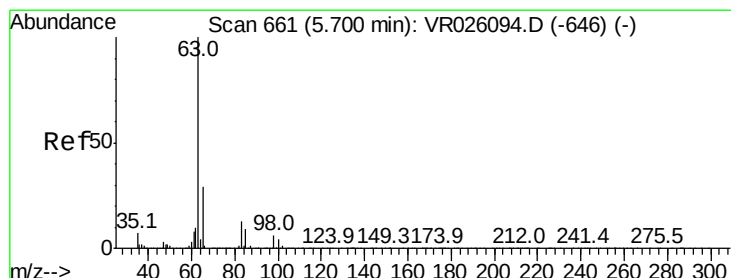
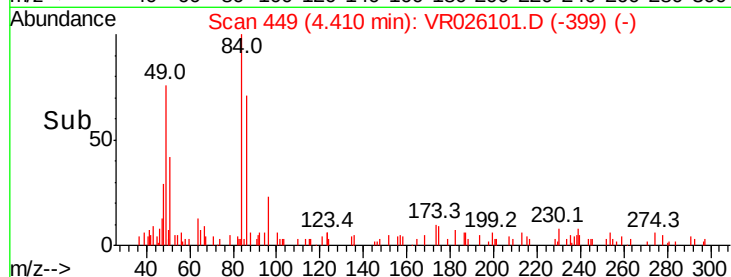
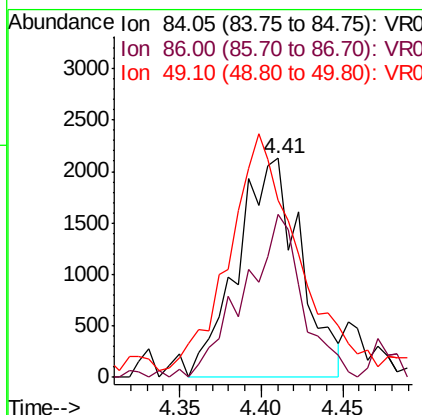
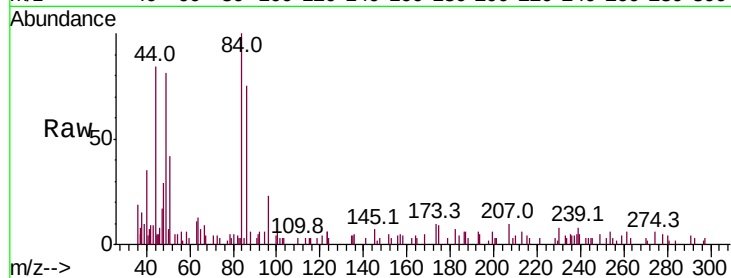




#16
Methylene chloride
Concen: 0.120 ug/L
RT: 4.41 min Scan# 449
Delta R.T. 0.01 min
Lab File: VR026101.D
Acq: 16 Oct 2018 14:55

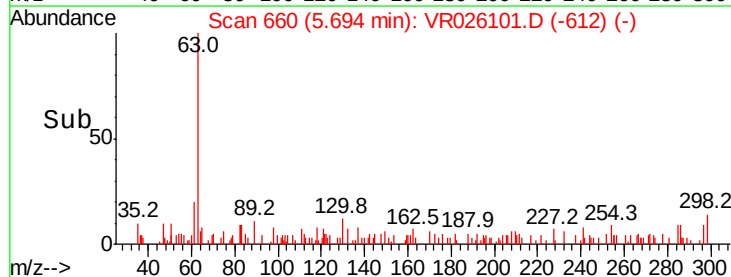
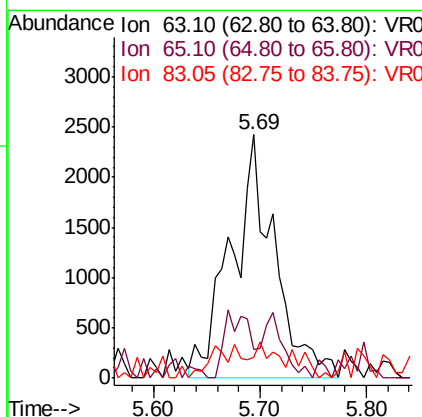
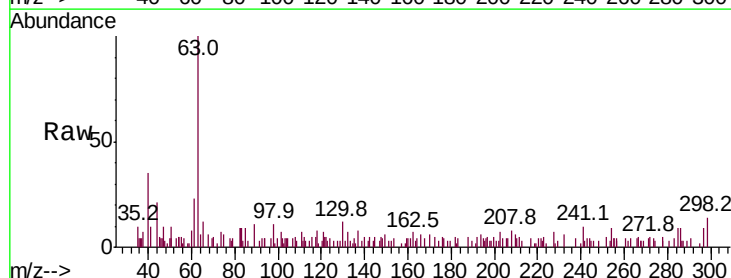
Instrument :
MSVOA_R
ClientSampled :

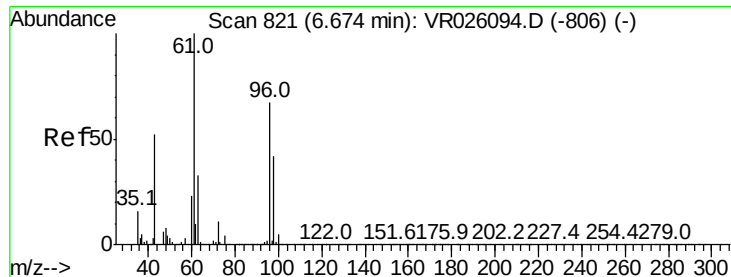
Tot Ion: 84 Resp: 5737
Ion Ratio Lower Upper
84 100
86 74.6 43.0 79.8
49 81.0 89.1 165.5#



#19
1,1-Dichloroethane
Concen: 0.092 ug/L
RT: 5.69 min Scan# 660
Delta R.T. -0.01 min
Lab File: VR026101.D
Acq: 16 Oct 2018 14:55

Tgt Ion: 63 Resp: 6844
Ion Ratio Lower Upper
63 100
65 11.7 21.2 39.4#
83 8.7 9.2 17.2#



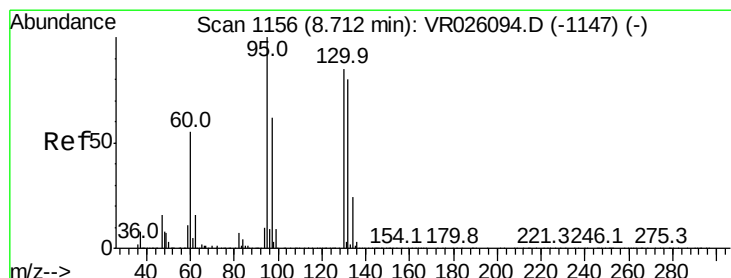
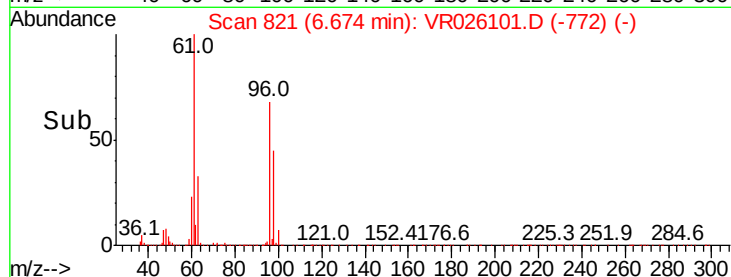
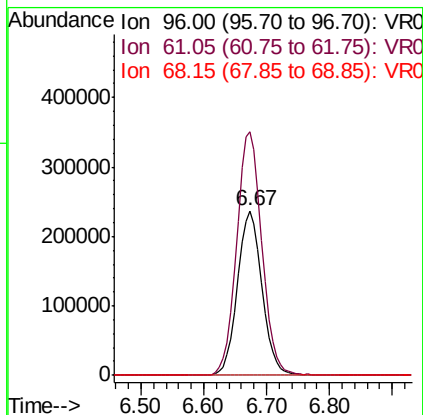
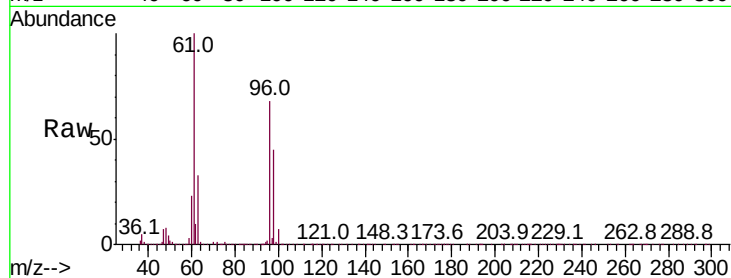


#22

cis-1,2-Dichloroethene
Concen: 16.993 ug/L
RT: 6.67 min Scan# 821
Delta R.T. -0.00 min
Lab File: VR026101.D
Acq: 16 Oct 2018 14:55

Instrument :
MSVOA_R
ClientSampleId :

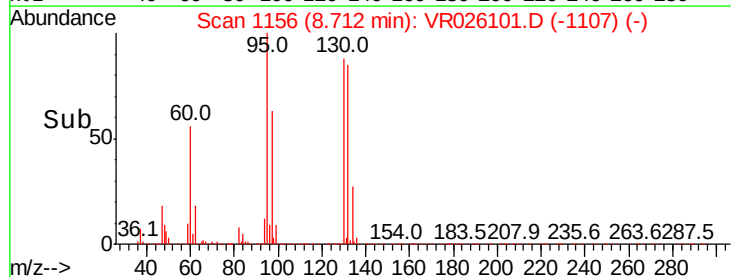
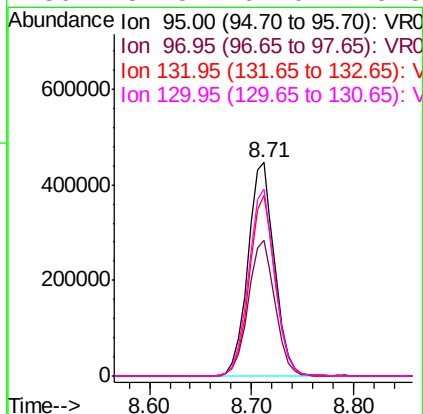
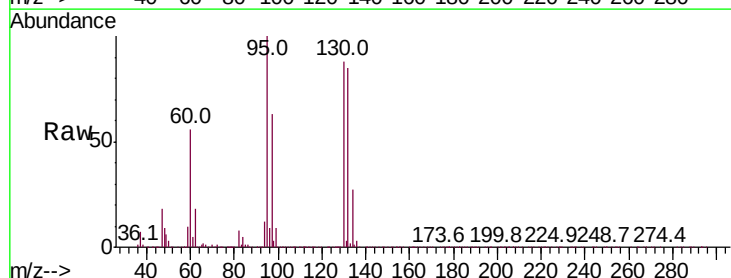
Tot Ion	Ratio	Lower	Upper
96	100		
61	148.1	101.8	189.0
68	0.0	0.1	0.3

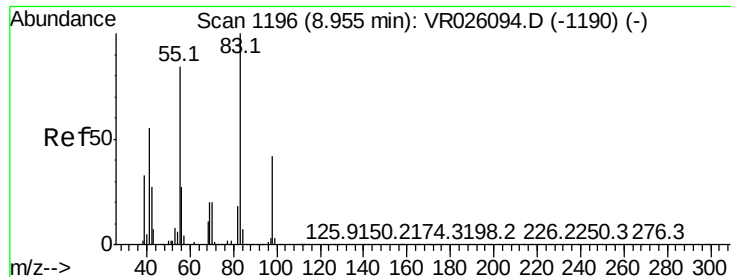


#34

Trichloroethene
Concen: 18.788 ug/L
RT: 8.71 min Scan# 1156
Delta R.T. -0.00 min
Lab File: VR026101.D
Acq: 16 Oct 2018 14:55

Tgt Ion	Ratio	Lower	Upper
95	100		
97	63.4	45.7	84.9
132	84.6	58.3	108.3
130	87.8	64.0	119.0

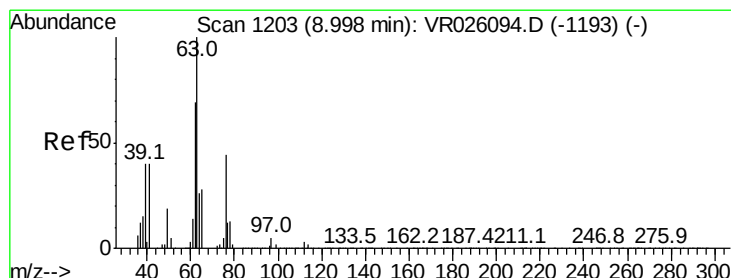
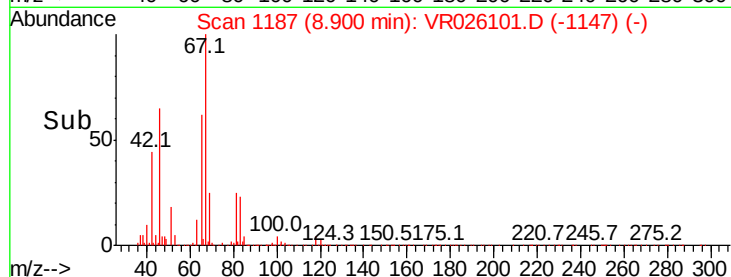
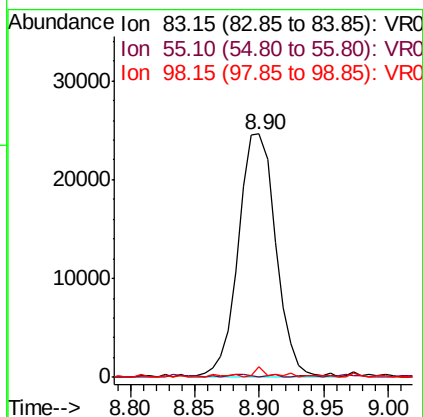
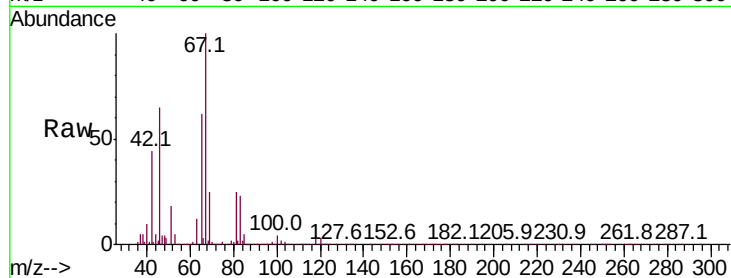




#35
Methylcyclohexane
Concen: 0.776 ug/L
RT: 8.90 min Scan# 1187
Delta R.T. -0.05 min
Lab File: VR026101.D
Acq: 16 Oct 2018 14:55

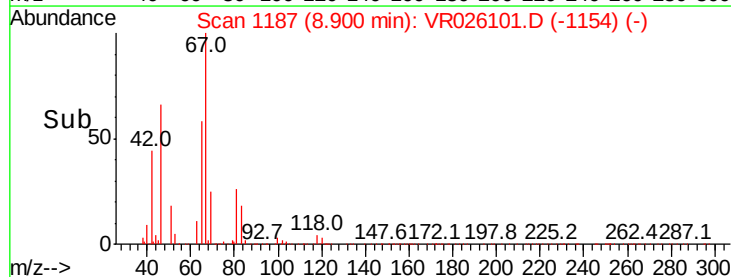
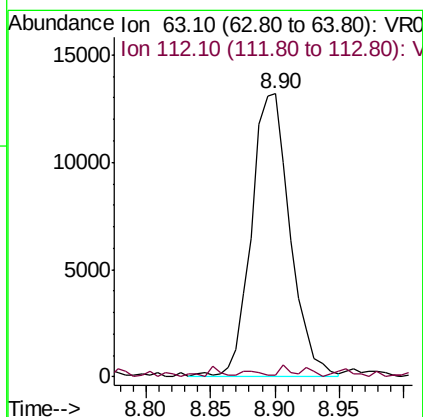
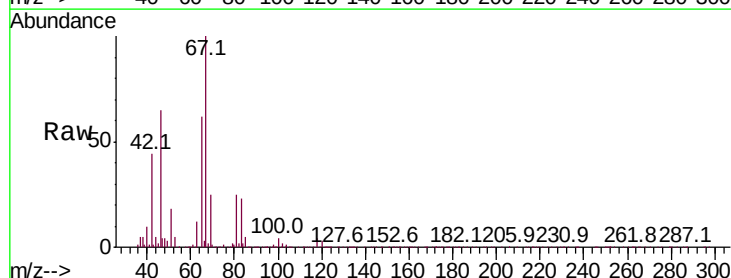
Instrument :
MSVOA_R
ClientSampleId :

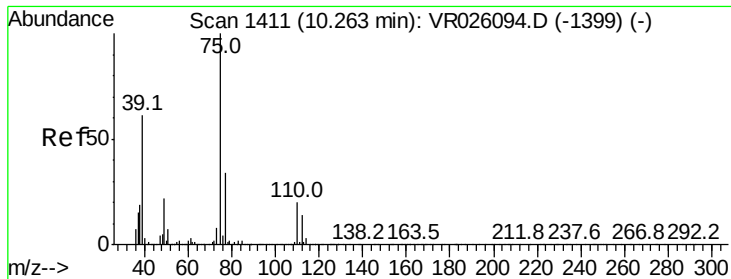
Tot Ion	83	Resp	49782
Ion Ratio	100	Lower	Upper
55	0.4	66.8	100.2#
98	1.3	35.2	52.8#



#37
1,2-Dichloropropane
Concen: 0.769 ug/L
RT: 8.90 min Scan# 1187
Delta R.T. -0.10 min
Lab File: VR026101.D
Acq: 16 Oct 2018 14:55

Tgt Ion	63	Resp	27310
Ion Ratio	100	Lower	Upper
112	0.9	2.7	4.1#





#44

trans-1,3-Dichloropropene

Concen: 0.118 ug/L

RT: 10.23 min Scan# 1406

Delta R.T. -0.03 min

Lab File: VR026101.D

Acq: 16 Oct 2018 14:55

Instrument :

MSVOA_R

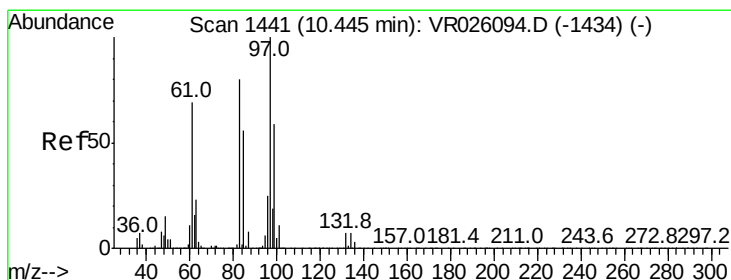
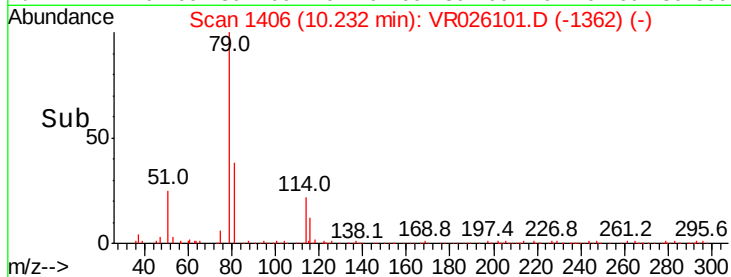
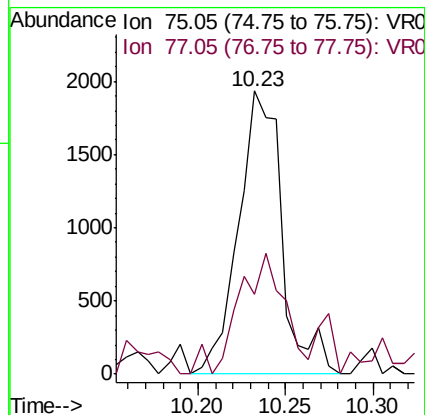
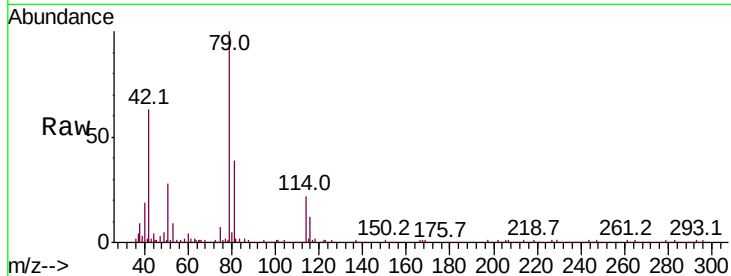
ClientSampleId :

Tot Ion: 75 Resp: 3343

Ion Ratio Lower Upper

75 100

77 28.2 24.1 44.7



#45

1,1,2-Trichloroethane

Concen: 0.133 ug/L

RT: 10.44 min Scan# 1440

Delta R.T. -0.01 min

Lab File: VR026101.D

Acq: 16 Oct 2018 14:55

Tgt Ion: 97 Resp: 1995

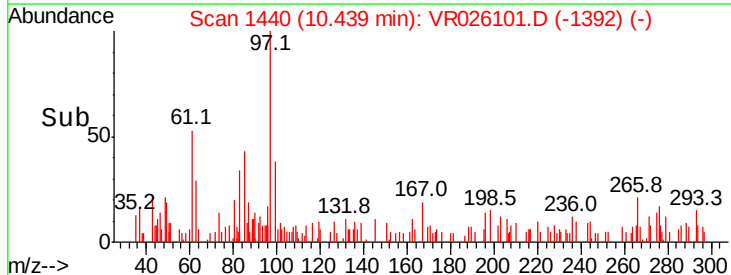
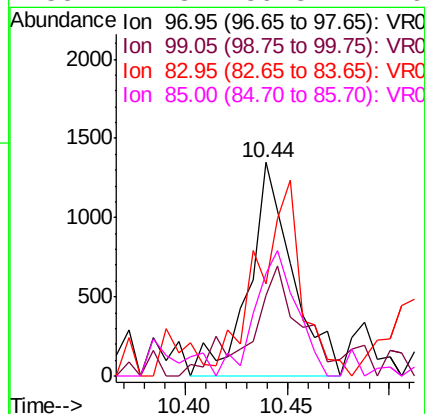
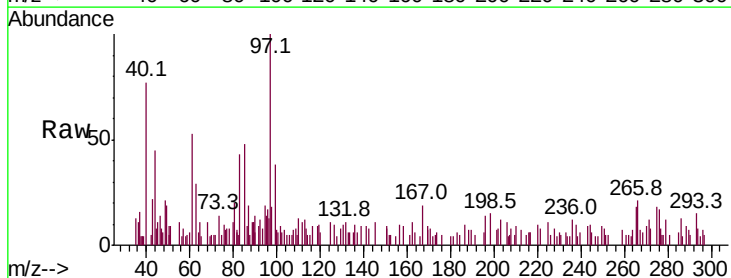
Ion Ratio Lower Upper

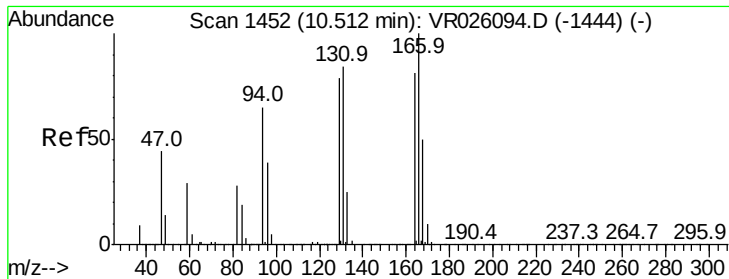
97 100

99 37.6 42.8 79.4#

83 43.4 61.9 114.9#

85 47.8 39.3 72.9

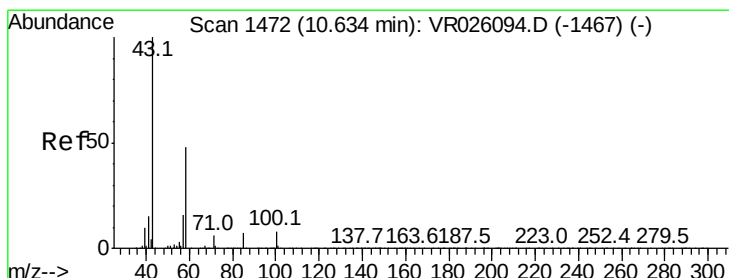
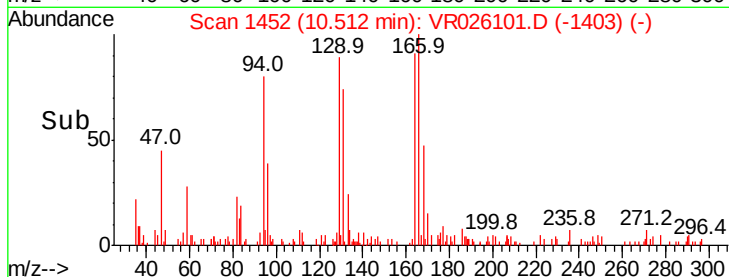
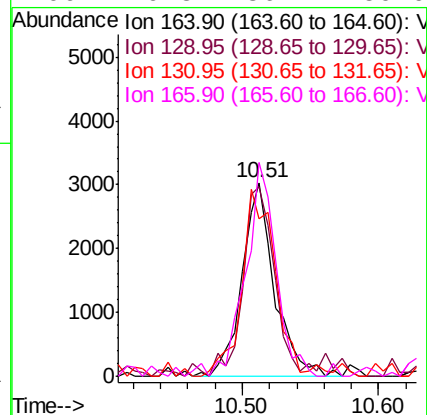
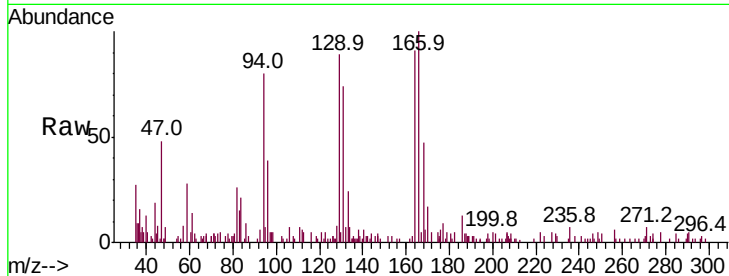




#47
Tetrachloroethene
Concen: 0.164 ug/L
RT: 10.51 min Scan# 1452
Delta R.T. -0.00 min
Lab File: VR026101.D
Acq: 16 Oct 2018 14:55

Instrument :
MSVOA_R
ClientSampled :

Tot Ion	Ratio	Lower	Upper
164	100		
129	97.8	70.3	130.5
131	81.2	67.3	125.1
166	110.3	86.1	159.9



#48
2-Hexanone
Concen: 3.724 ug/L
RT: 10.59 min Scan# 1465
Delta R.T. -0.04 min
Lab File: VR026101.D
Acq: 16 Oct 2018 14:55

Tgt Ion	Ratio	Lower	Upper
43	100		
58	23.8	39.6	59.4#
57	23.2	14.0	21.0#
100	3.6	7.0	10.6#

