

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101118\
 Data File : VR026049.D
 Acq On : 11 Oct 2018 17:28
 Operator : SY/MD
 Sample : J5315-07
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Oct 12 08:10:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 12 08:06:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	414977	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	360179	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	123060	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	185440	5.67	ug/L	-0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	113.40%
7) Chloroethane-d5	2.63	69	166872	6.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	124.80%
11) 1,1-Dichloroethene-d2	3.64	63	340002	4.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.40%
20) 2-Butanone-d5	6.60	46	223554	61.28	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.56%
24) Chloroform-d	7.20	84	300534	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.60%
26) 1,2-Dichloroethane-d4	7.90	65	142554	5.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.40%
32) Benzene-d6	7.85	84	587302	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
36) 1,2-Dichloropropane-d6	8.90	67	168952	5.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.60%
41) Toluene-d8	9.97	98	542349	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.40%
43) trans-1,3-Dichloropropene-	10.24	79	38047	5.19	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.80%
46) 2-Hexanone-d5	10.59	63	178811	63.95	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	127.90%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	69692	5.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.40%
64) 1,2-Dichlorobenzene-d4	13.52	152	104644	5.31	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.20%

Target Compounds

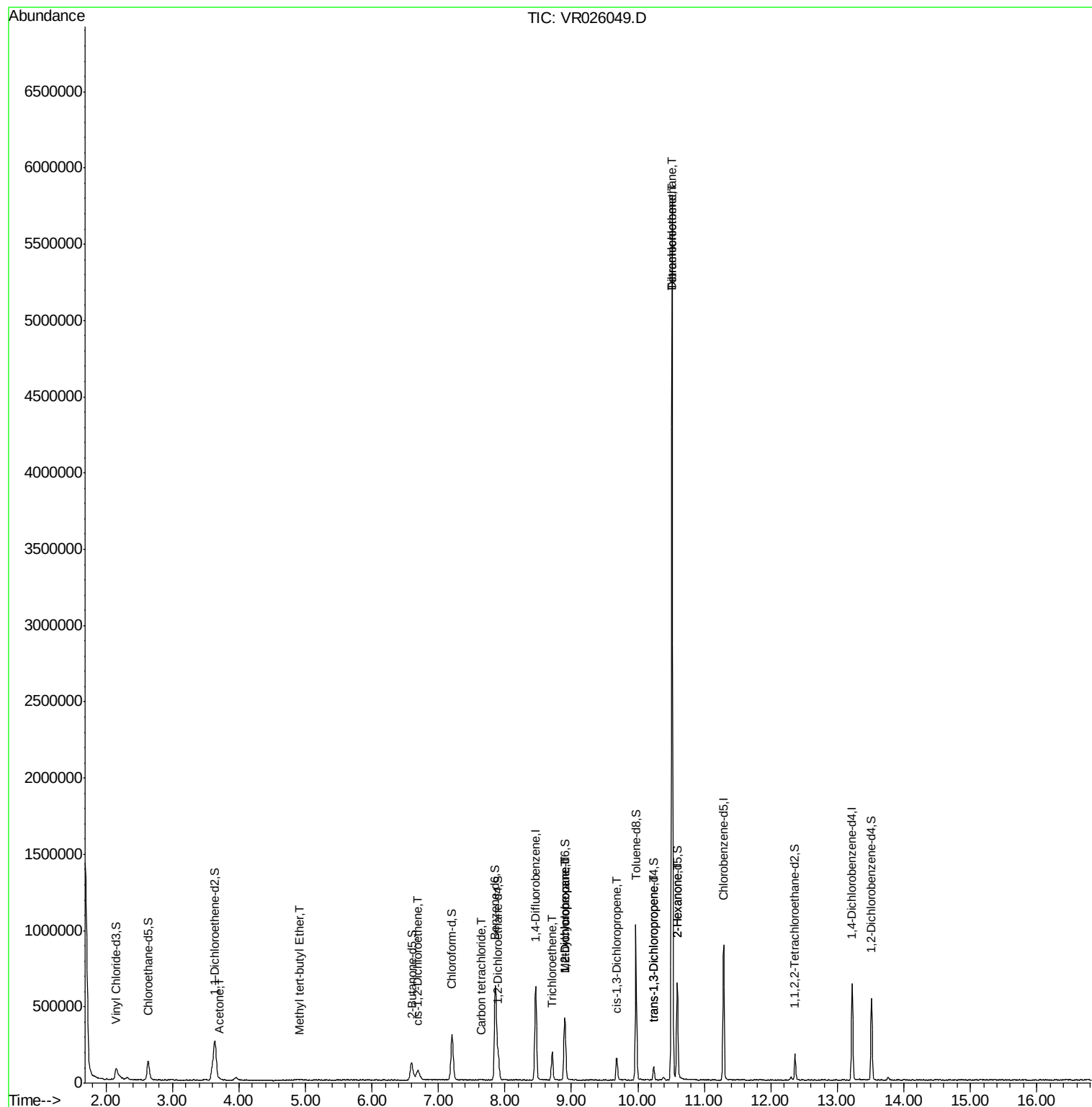
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	3.70	43	7334	2.774	ug/L	77
17) Methyl tert-butyl Ether	4.90	73	5293	0.153	ug/L #	79
22) cis-1,2-Dichloroethene	6.68	96	14731	0.565	ug/L #	95
31) Carbon tetrachloride	7.64	117	3200	0.091	ug/L	95
34) Trichloroethene	8.71	95	57806	1.816	ug/L	97
35) Methylcyclohexane	8.90	83	39785	0.831	ug/L #	16
37) 1,2-Dichloropropane	8.90	63	21197	0.818	ug/L #	92
39) cis-1,3-Dichloropropene	9.68	75	5429	0.187	ug/L	99
44) trans-1,3-Dichloropropene	10.24	75	2095	0.110	ug/L	88
47) Tetrachloroethene	10.51	164	951053	48.488	ug/L	90
48) 2-Hexanone	10.59	43	27844	4.667	ug/L #	71
49) Dibromochloromethane	10.51	129	830230	69.787	ug/L #	11

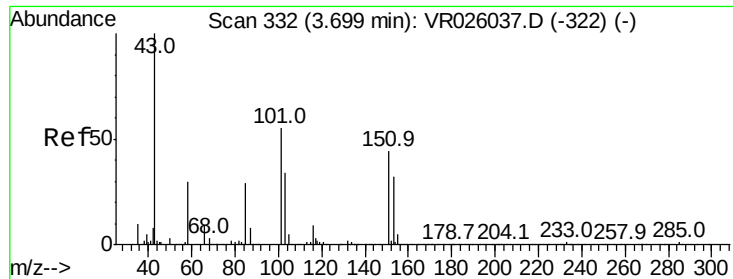
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.774 ug/L

RT: 3.70 min Scan# 333

Delta R.T. 0.01 min

Lab File: VR026049.D

Acq: 11 Oct 2018 17:28

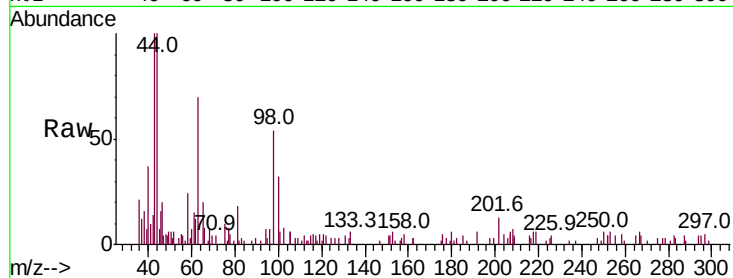
Instrument :
MSVOA_R
ClientSampled :

Tot Ion: 43 Resp: 7334

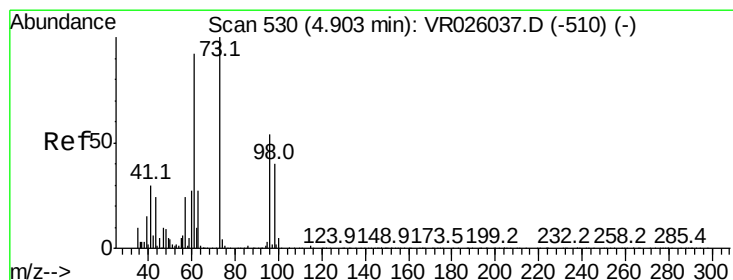
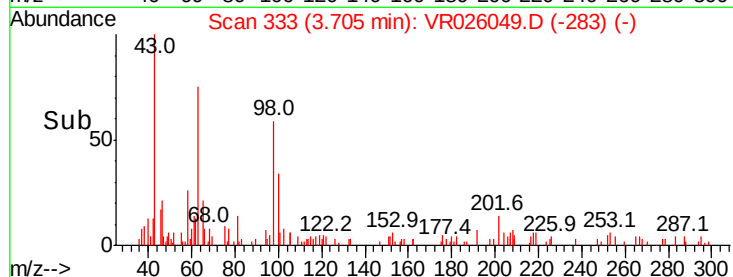
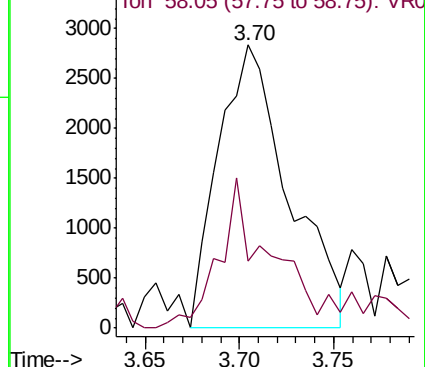
Ion Ratio Lower Upper

43 100

58 37.4 0.0 51.4



Abundance Ion 43.05 (42.75 to 43.75): VR0



#17

Methyl tert-butyl Ether

Concen: 0.153 ug/L

RT: 4.90 min Scan# 529

Delta R.T. -0.01 min

Lab File: VR026049.D

Acq: 11 Oct 2018 17:28

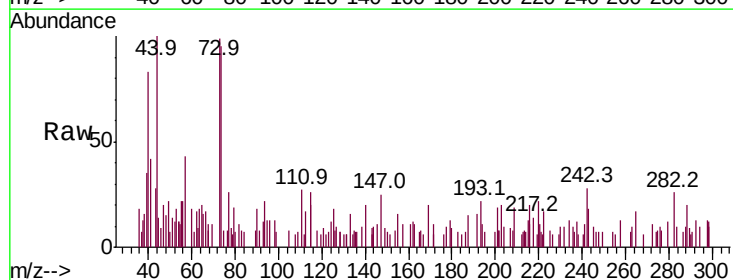
Tgt Ion: 73 Resp: 5293

Ion Ratio Lower Upper

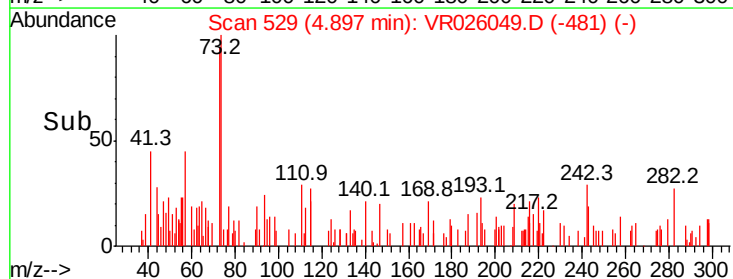
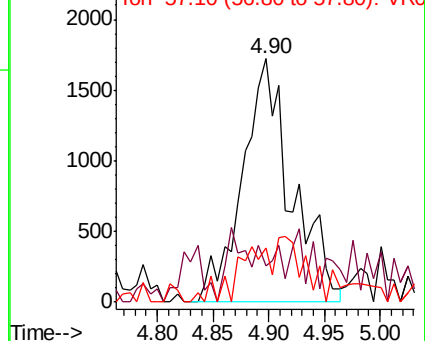
73 100

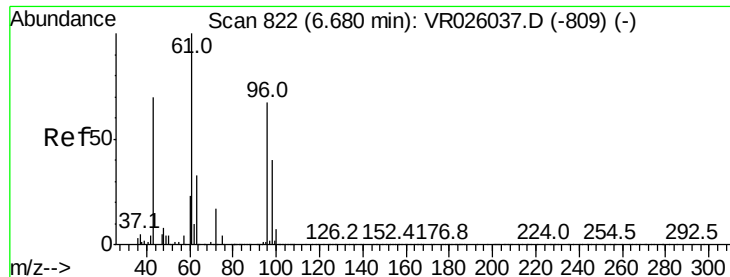
43 12.1 19.8 29.8#

57 14.3 17.9 26.9#



Abundance Ion 73.10 (72.80 to 73.80): VR0



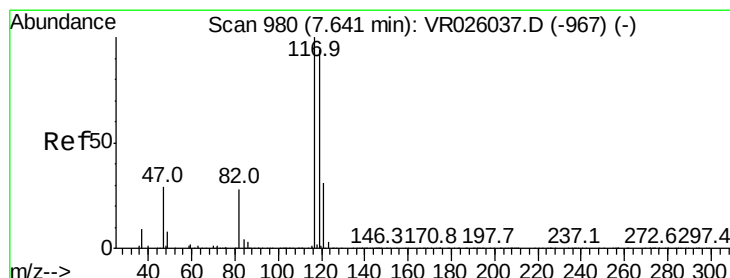
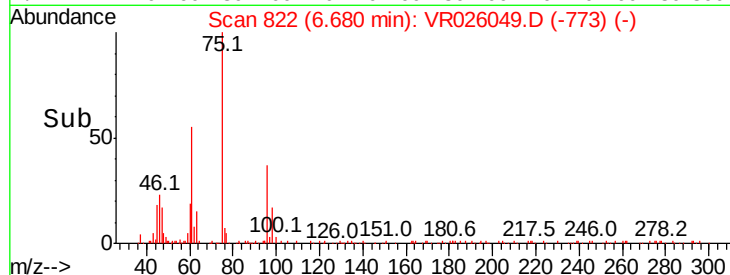
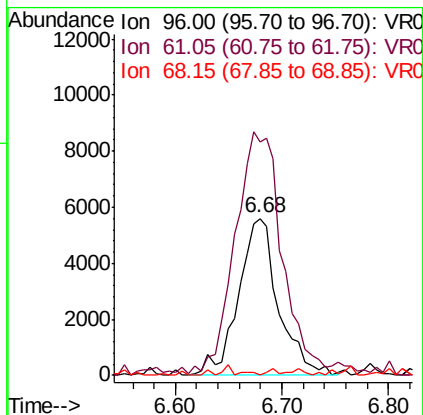
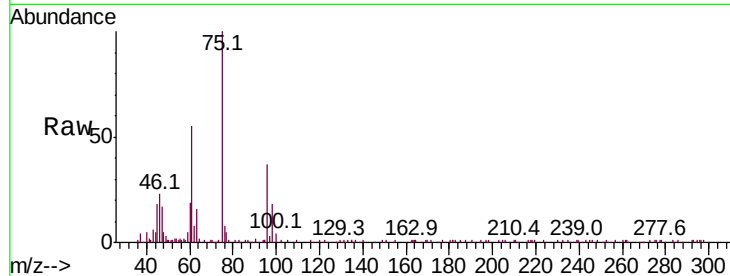


#22

cis-1,2-Dichloroethene
 Concen: 0.565 ug/L
 RT: 6.68 min Scan# 822
 Delta R.T. -0.00 min
 Lab File: VR026049.D
 Acq: 11 Oct 2018 17:28

Instrument :
 MSVOA_R
 ClientSampleId :

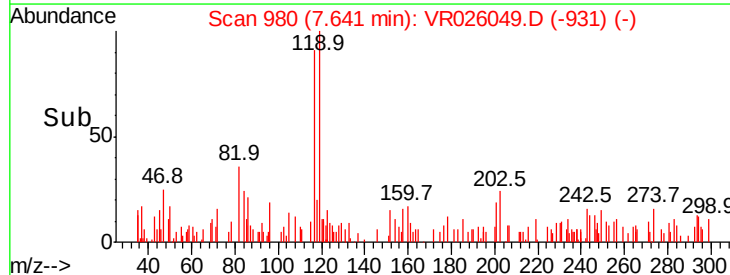
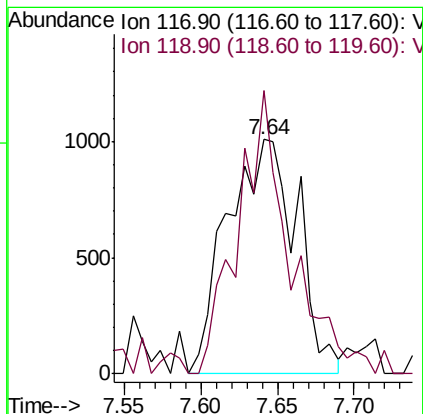
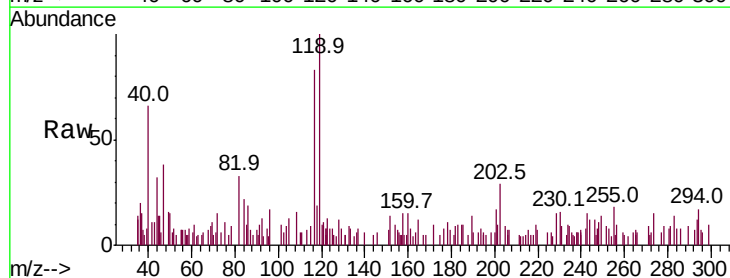
Tot Ion	96	Resp	14731
Ion	Ratio	Lower	Upper
96	100		
61	148.8	108.7	201.9
68	0.0	0.1	0.1#

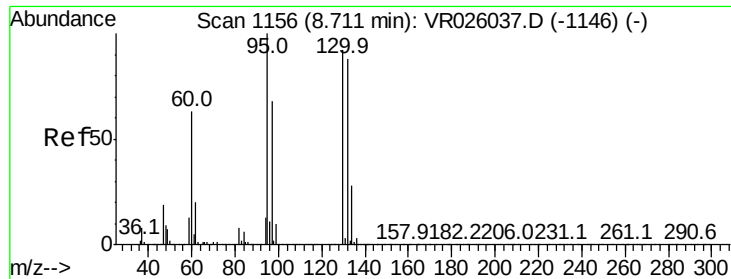


#31

Carbon tetrachloride
 Concen: 0.091 ug/L
 RT: 7.64 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VR026049.D
 Acq: 11 Oct 2018 17:28

Tgt Ion	117	Resp	3200
Ion	Ratio	Lower	Upper
117	100		
119	89.7	75.6	113.4

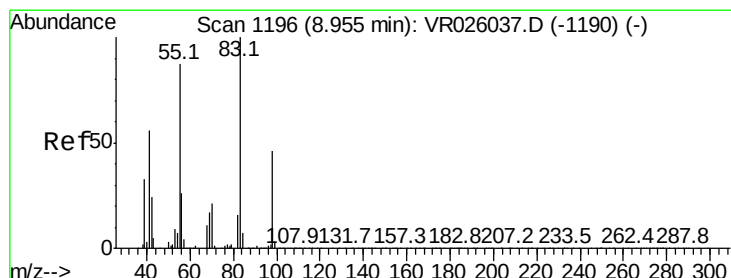
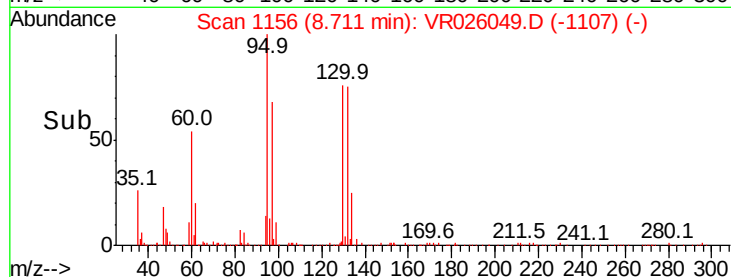
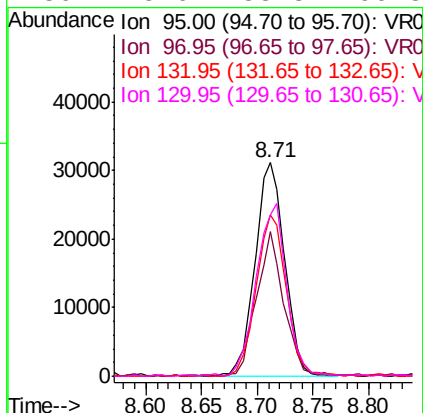
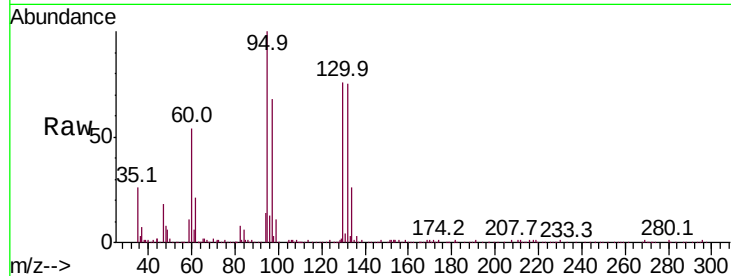




#34
 Trichloroethene
 Concen: 1.816 ug/L
 RT: 8.71 min Scan# 1156
 Delta R.T. -0.00 min
 Lab File: VR026049.D
 Acq: 11 Oct 2018 17:28

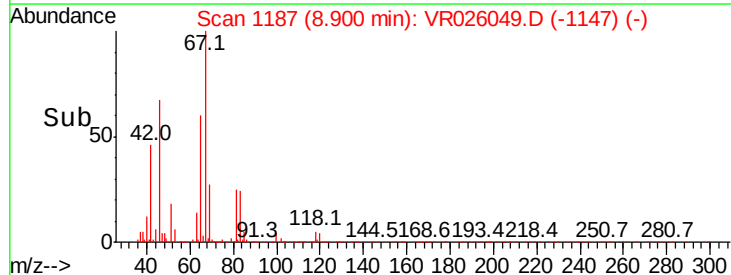
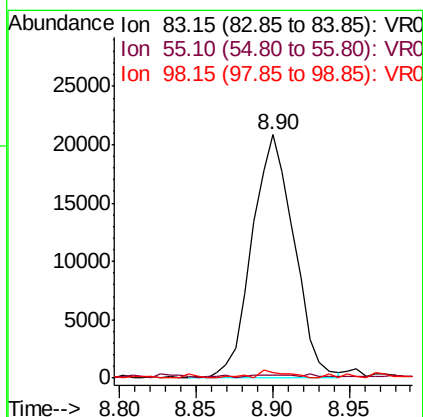
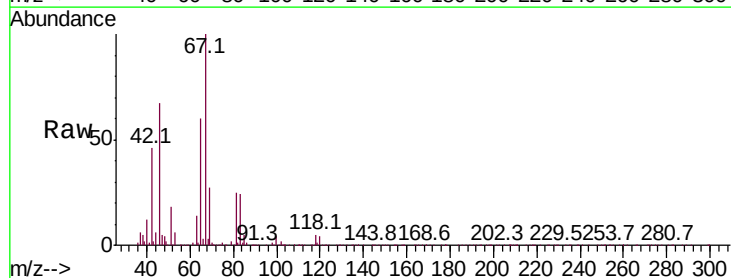
Instrument :
 MSVOA_R
 ClientSampled :

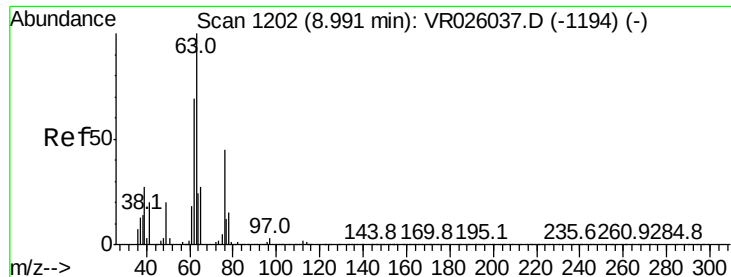
Tot Ion	95	Resp	57806
Ion Ratio	Lower	Upper	
95	100		
97	67.7	43.9	81.5
132	75.5	53.3	98.9
130	75.6	53.8	99.8



#35
 Methylcyclohexane
 Concen: 0.831 ug/L
 RT: 8.90 min Scan# 1187
 Delta R.T. -0.05 min
 Lab File: VR026049.D
 Acq: 11 Oct 2018 17:28

Tgt Ion	83	Resp	39785
Ion Ratio	Lower	Upper	
83	100		
55	1.3	71.8	107.6#
98	2.6	34.2	51.4#





#37

1,2-Dichloropropane

Concen: 0.818 ug/L

RT: 8.90 min Scan# 1187

Delta R.T. -0.09 min

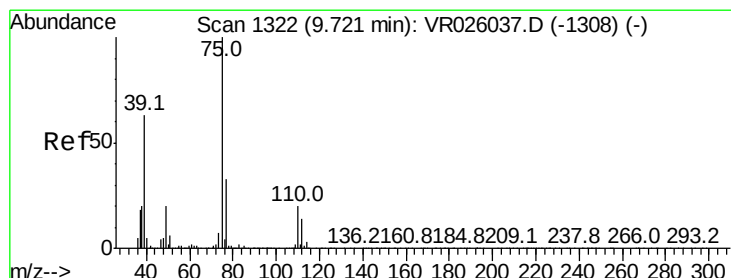
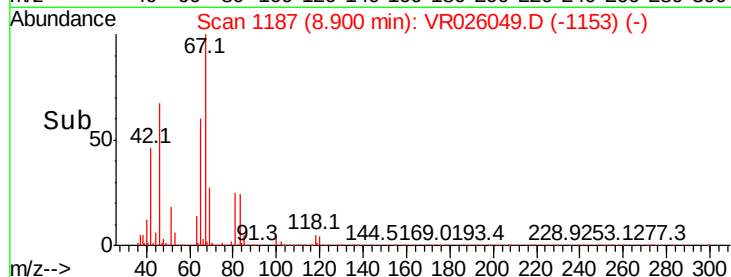
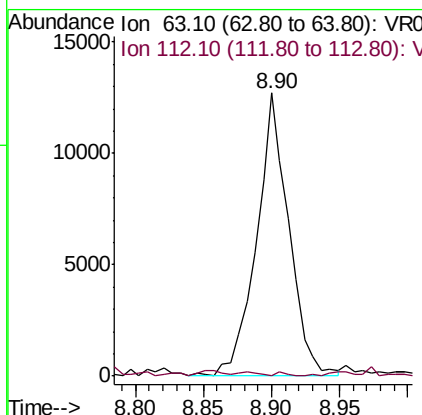
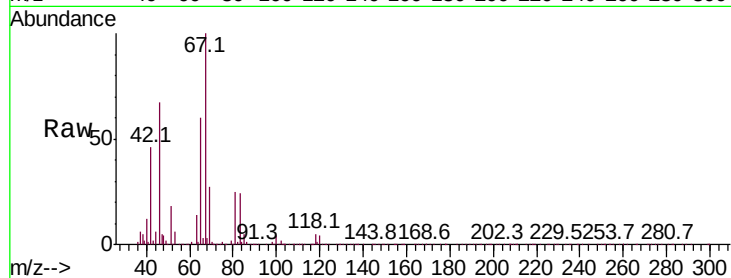
Lab File: VR026049.D

Acq: 11 Oct 2018 17:28

Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 63 Resp: 21197

Ion	Ratio	Lower	Upper
63	100		
112	0.4	2.5	3.7#



#39

cis-1,3-Dichloropropene

Concen: 0.187 ug/L

RT: 9.68 min Scan# 1315

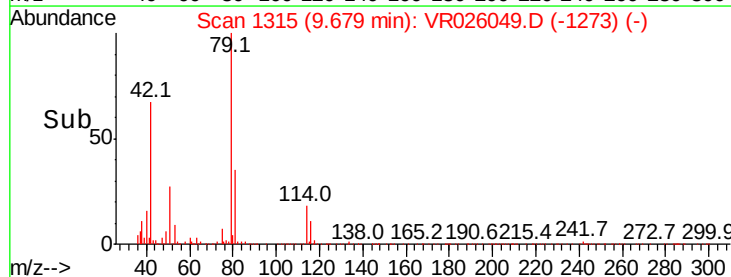
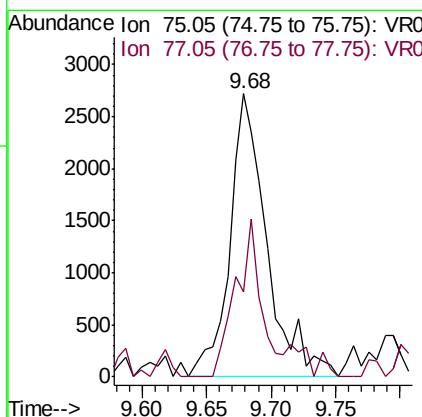
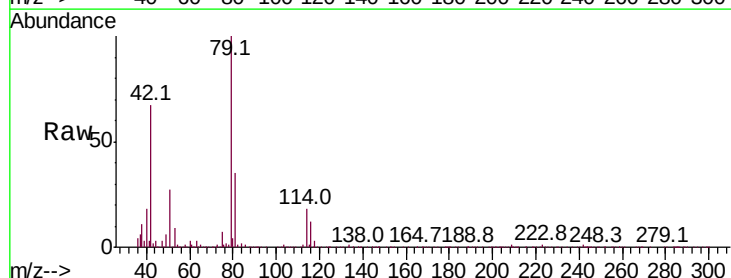
Delta R.T. -0.04 min

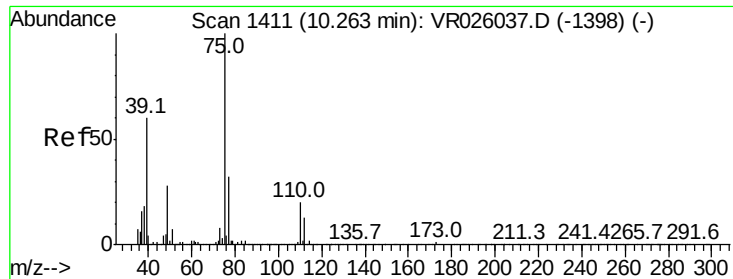
Lab File: VR026049.D

Acq: 11 Oct 2018 17:28

Tgt Ion: 75 Resp: 5429

Ion	Ratio	Lower	Upper
75	100		
77	30.0	21.5	39.9





#44

trans-1,3-Dichloropropene

Concen: 0.110 ug/L

RT: 10.24 min Scan# 1407

Delta R.T. -0.02 min

Lab File: VR026049.D

Acq: 11 Oct 2018 17:28

Instrument :

MSVOA_R

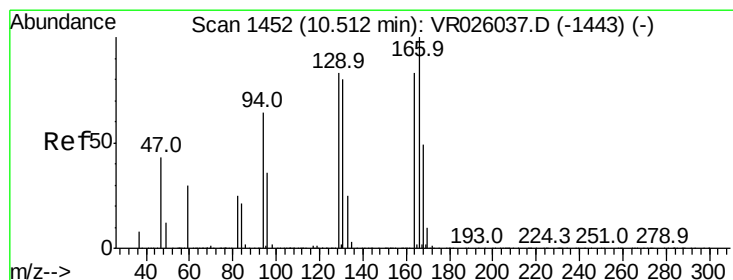
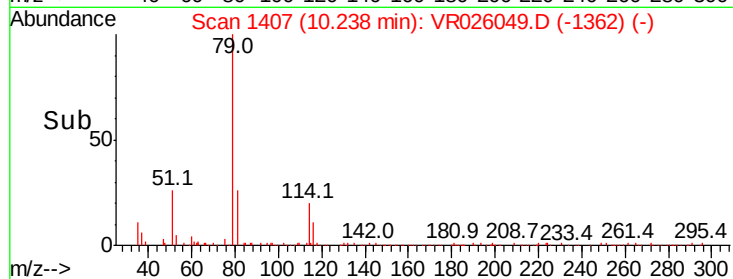
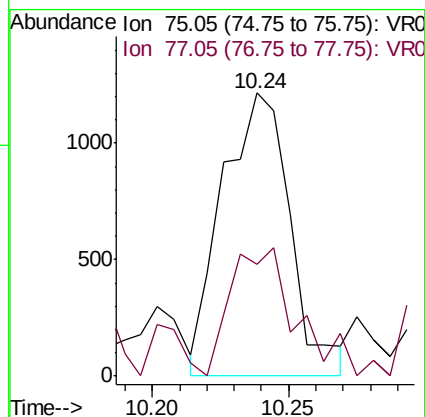
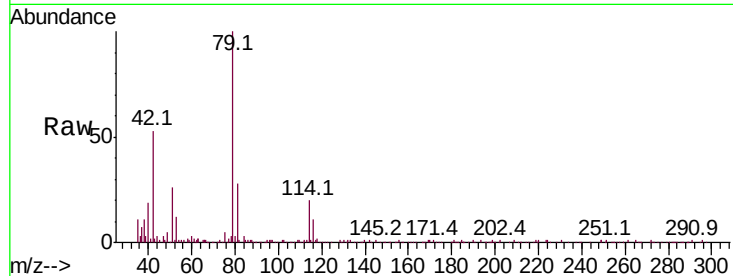
ClientSampleId :

Tot Ion: 75 Resp: 2095

Ion Ratio Lower Upper

75 100

77 39.7 23.0 42.8



#47

Tetrachloroethene

Concen: 48.488 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VR026049.D

Acq: 11 Oct 2018 17:28

Tgt Ion: 164 Resp: 951053

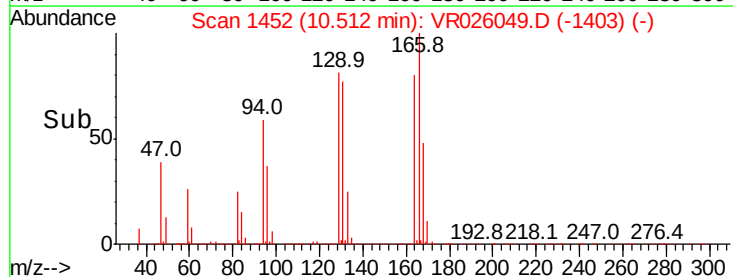
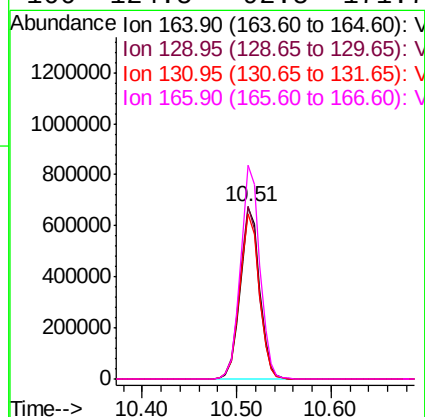
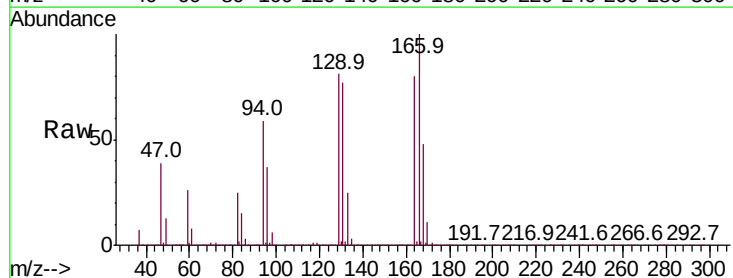
Ion Ratio Lower Upper

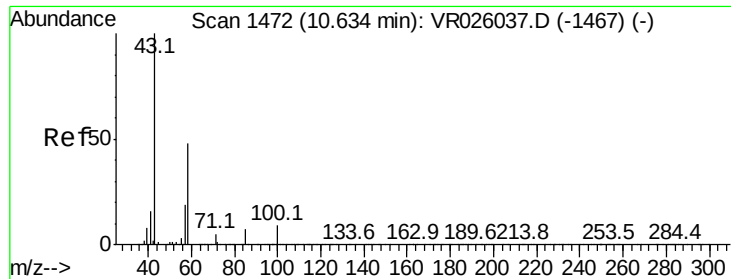
164 100

129 100.9 80.8 150.2

131 96.4 74.5 138.3

166 124.5 92.5 171.7

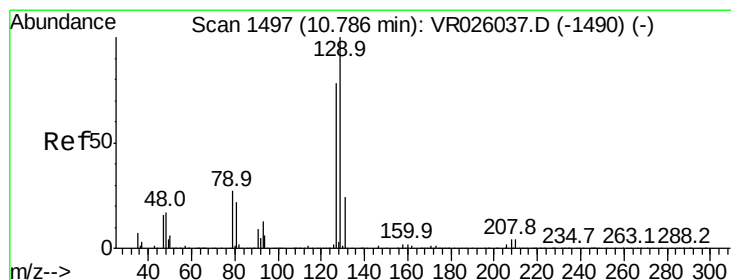
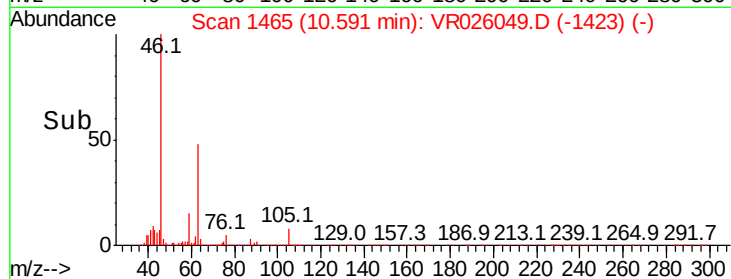
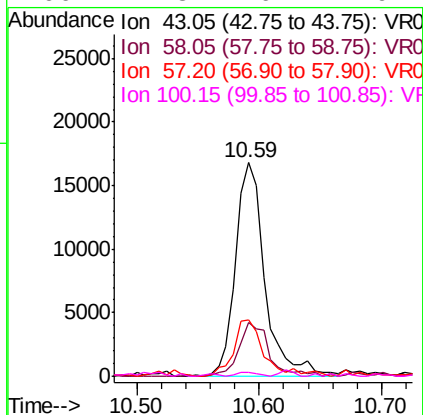
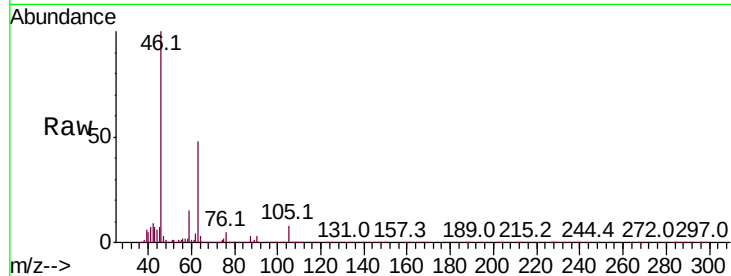




#48
2-Hexanone
Concen: 4.667 ug/L
RT: 10.59 min Scan# 1465
Delta R.T. -0.04 min
Lab File: VR026049.D
Acq: 11 Oct 2018 17:28

Instrument :
MSVOA_R
ClientSampled :

Tot Ion:	43	Resp:	27844
Ion	Ratio	Lower	Upper
43	100		
58	26.1	39.5	59.3#
57	27.7	14.6	21.8#
100	1.3	6.7	10.1#



#49
Dibromochloromethane
Concen: 69.787 ug/L
RT: 10.51 min Scan# 1452
Delta R.T. -0.27 min
Lab File: VR026049.D
Acq: 11 Oct 2018 17:28

Tgt Ion:	129	Resp:	830230
Ion	Ratio	Lower	Upper
129	100		
127	0.1	54.1	100.5#

