

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR071818\
 Data File : VR025507.D
 Acq On : 18 Jul 2018 15:23
 Operator : SY/MD
 Sample : J4002-02
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 C0AF4

Quant Time: Jul 19 05:18:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jul 19 05:17:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	640534	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	525954	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	170022	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.14	65	74277	4.21	ug/L	-0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.20%
7) Chloroethane-d5	2.63	69	61138	4.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.20%
11) 1,1-Dichloroethene-d2	3.64	63	170514	3.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.80%
20) 2-Butanone-d5	6.60	46	220436	40.19	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.38%
24) Chloroform-d	7.21	84	374116	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.60%
26) 1,2-Dichloroethane-d4	7.90	65	148599	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.80%
32) Benzene-d6	7.86	84	781357	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
36) 1,2-Dichloropropane-d6	8.90	67	223443	4.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.60%
41) Toluene-d8	9.97	98	703279	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
43) trans-1,3-Dichloropropene-	10.24	79	51824	3.83	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.60%
46) 2-Hexanone-d5	10.59	63	210551	48.16	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.32%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	97813	4.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.60%
64) 1,2-Dichlorobenzene-d4	13.51	152	154605	5.51	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.20%

Target Compounds

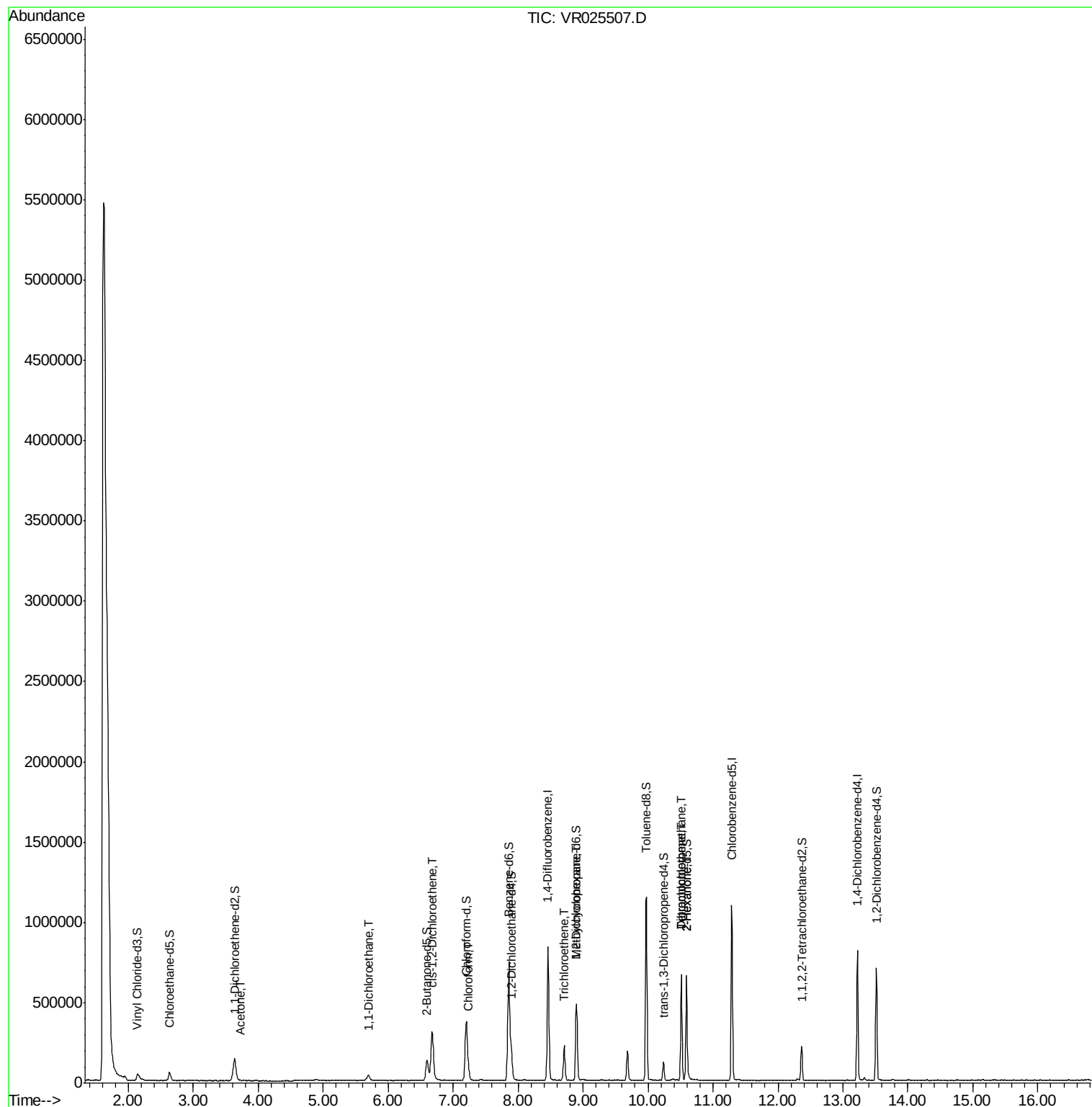
					Qvalue
13) Acetone	3.71	43	3741	1.514 ug/L	72
19) 1,1-Dichloroethane	5.69	63	50109	0.613 ug/L #	85
22) cis-1,2-Dichloroethene	6.68	96	189228	4.329 ug/L #	99
25) Chloroform	7.24	83	53587	0.683 ug/L	95
34) Trichloroethene	8.71	95	73253	1.587 ug/L	94
35) Methylcyclohexane	8.90	83	49875	0.808 ug/L #	17
47) Tetrachloroethene	10.52	164	130417	4.328 ug/L	94
48) 2-Hexanone	10.59	43	25507	3.036 ug/L #	43
49) Dibromochloromethane	10.51	129	121715	5.654 ug/L #	10

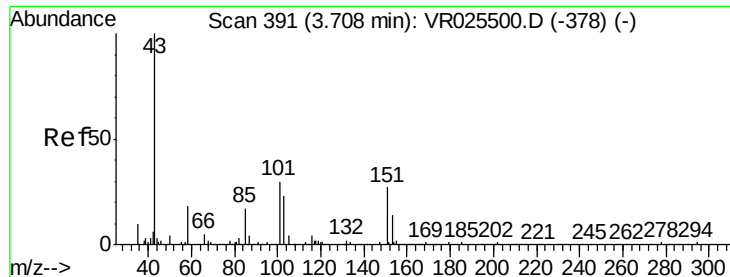
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 1.514 ug/L

RT: 3.71 min Scan# 392

Delta R.T. 0.01 min

Lab File: VR025507.D

Acq: 18 Jul 2018 15:23

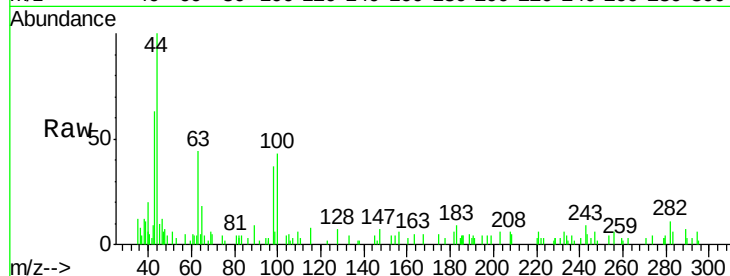
Instrument :
MSVOA_R
ClientSampleId :
C0AF4

Tgt Ion: 43 Resp: 3741

Ion Ratio Lower Upper

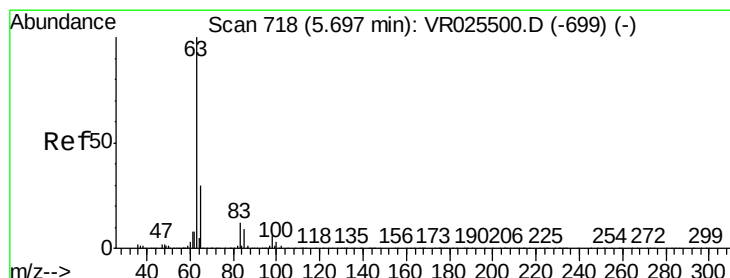
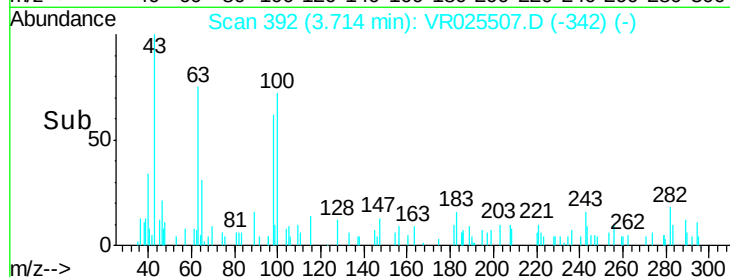
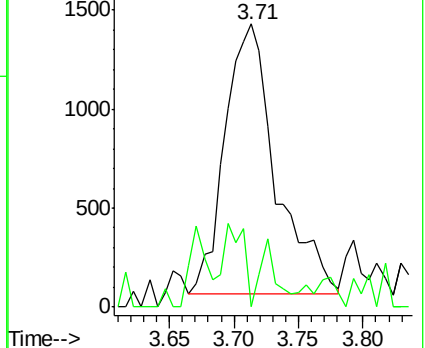
43 100

58 7.6 0.0 41.6



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#19

1,1-Dichloroethane

Concen: 0.613 ug/L

RT: 5.69 min Scan# 717

Delta R.T. -0.01 min

Lab File: VR025507.D

Acq: 18 Jul 2018 15:23

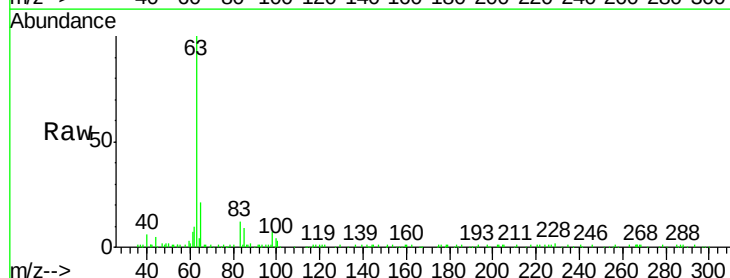
Tgt Ion: 63 Resp: 50109

Ion Ratio Lower Upper

63 100

65 20.9 22.5 41.7#

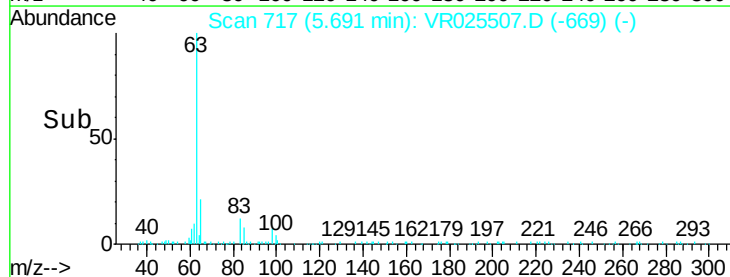
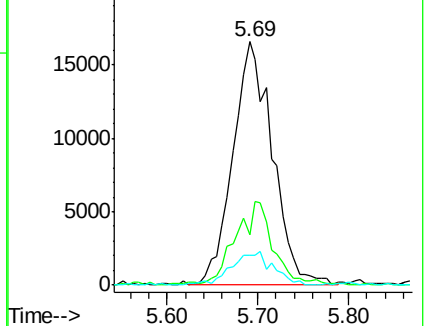
83 12.2 9.5 17.7

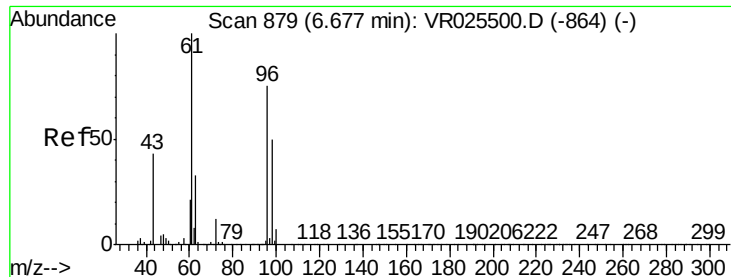


Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 65.10 (64.80 to 65.80): VR0

Ion 83.05 (82.75 to 83.75): VR0





#22

cis-1,2-Dichloroethene

Concen: 4.329 ug/L

RT: 6.68 min Scan# 880

Delta R.T. 0.01 min

Lab File: VR025507.D

Acq: 18 Jul 2018 15:23

Instrument :

MSVOA_R

ClientSampleId :

C0AF4

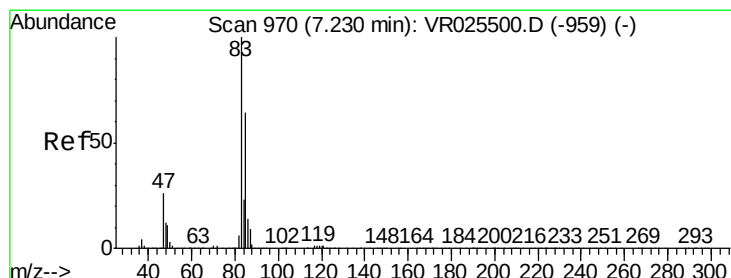
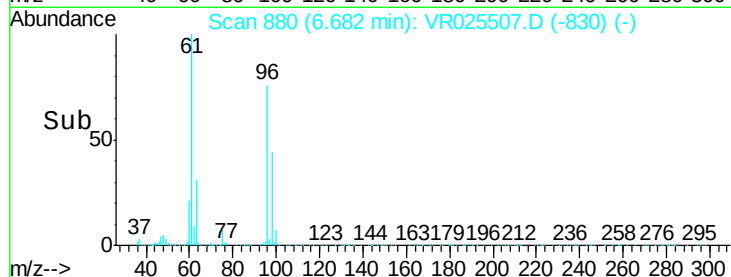
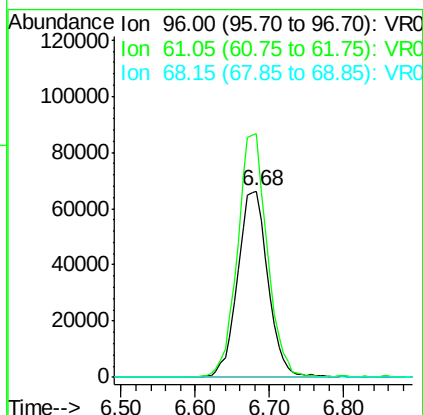
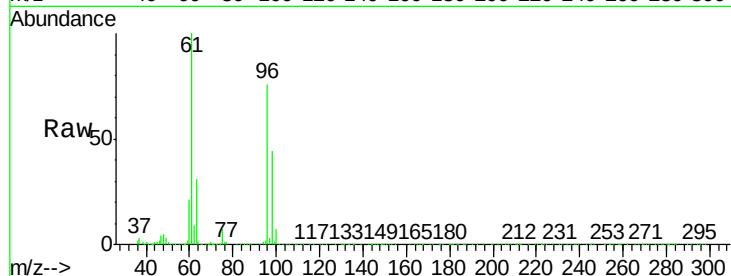
Tgt Ion: 96 Resp: 189228

Ion Ratio Lower Upper

96 100

61 130.7 91.0 169.0

68 0.1 0.0 0.0#



#25

Chloroform

Concen: 0.683 ug/L

RT: 7.24 min Scan# 971

Delta R.T. 0.01 min

Lab File: VR025507.D

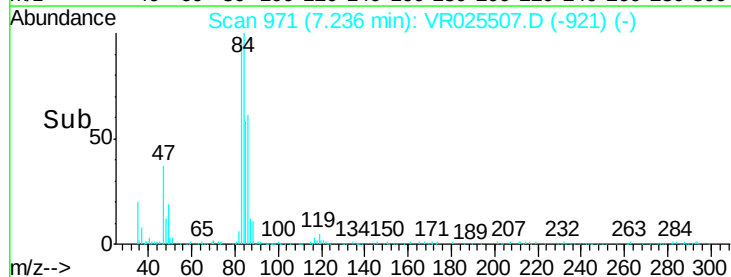
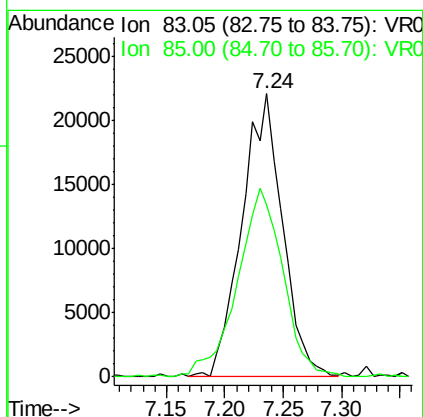
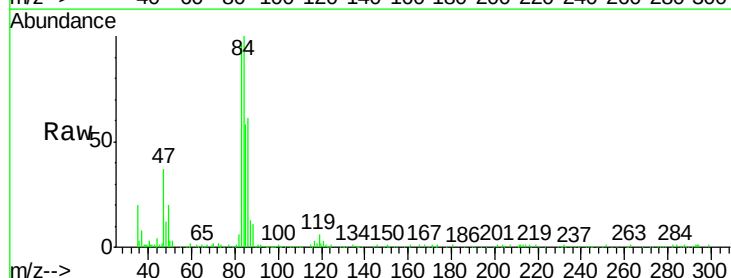
Acq: 18 Jul 2018 15:23

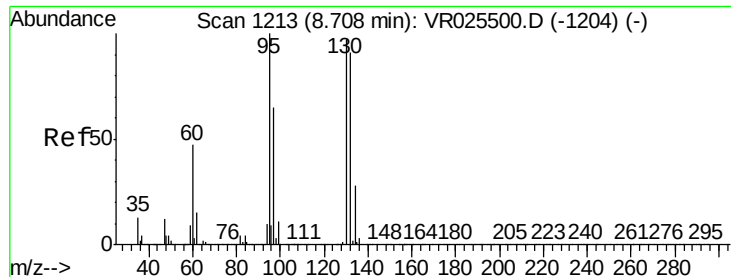
Tgt Ion: 83 Resp: 53587

Ion Ratio Lower Upper

83 100

85 60.7 45.4 84.4

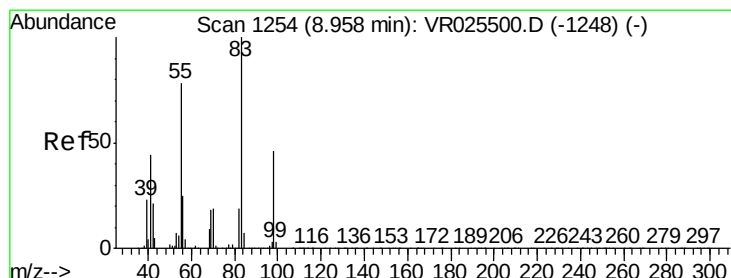
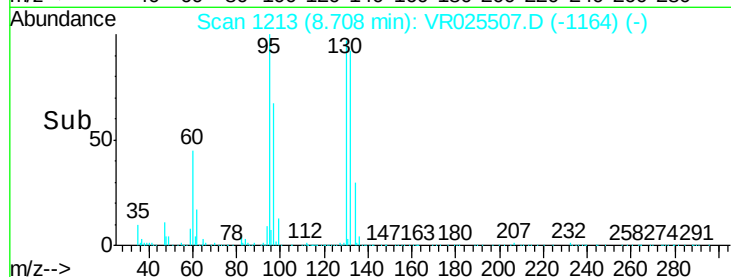
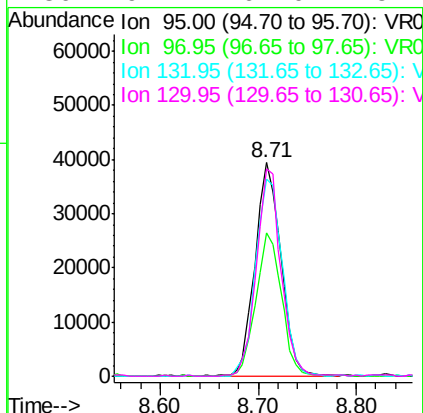
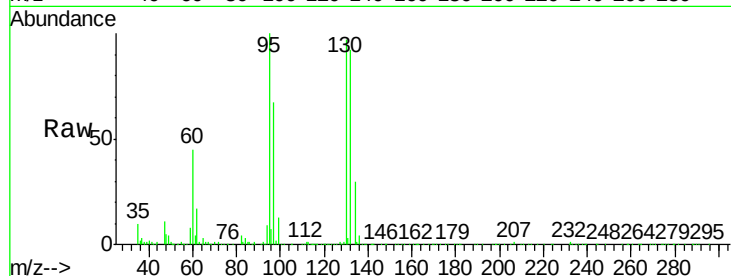




#34
 Trichloroethene
 Concen: 1.587 ug/L
 RT: 8.71 min Scan# 1213
 Delta R.T. -0.00 min
 Lab File: VR025507.D
 Acq: 18 Jul 2018 15:23

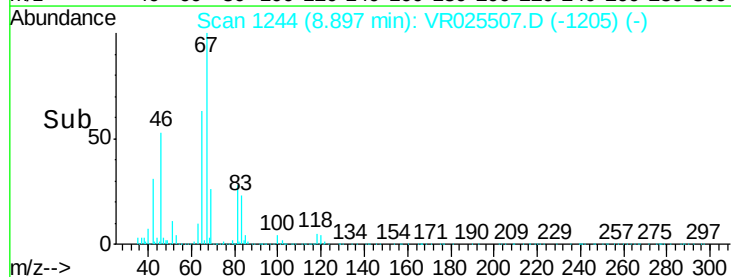
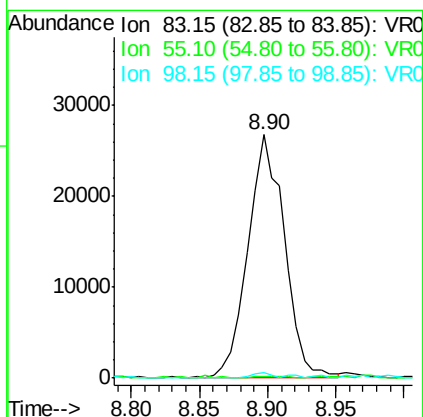
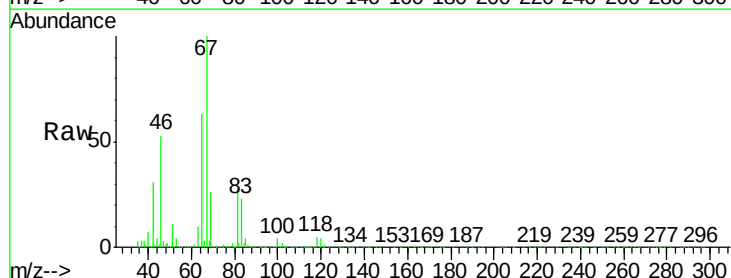
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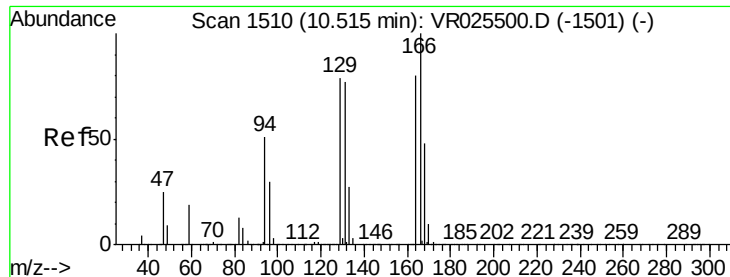
Tgt Ion:	95	Resp:	73253
Ion	Ratio	Lower	Upper
95	100		
97	67.3	45.6	84.6
132	92.0	60.9	113.1
130	97.1	62.0	115.2



#35
 Methylcyclohexane
 Concen: 0.808 ug/L
 RT: 8.90 min Scan# 1244
 Delta R.T. -0.06 min
 Lab File: VR025507.D
 Acq: 18 Jul 2018 15:23

Tgt Ion:	83	Resp:	49875
Ion	Ratio	Lower	Upper
83	100		
55	0.8	66.1	99.1#
98	1.1	36.2	54.4#

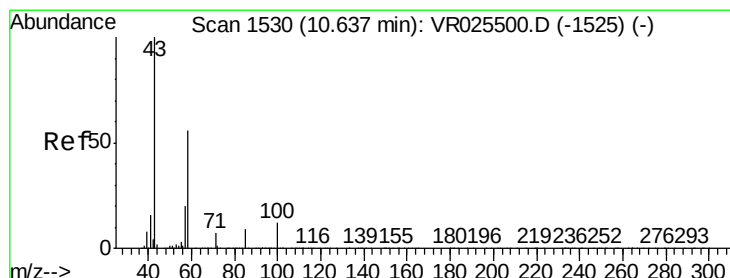
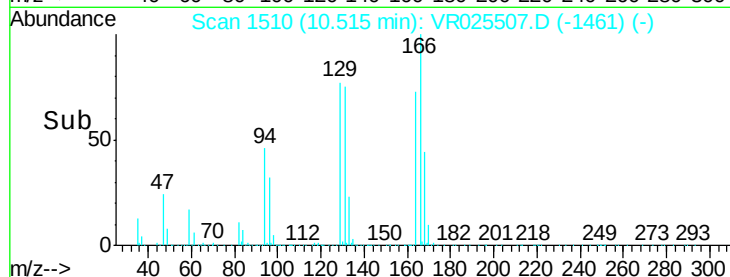
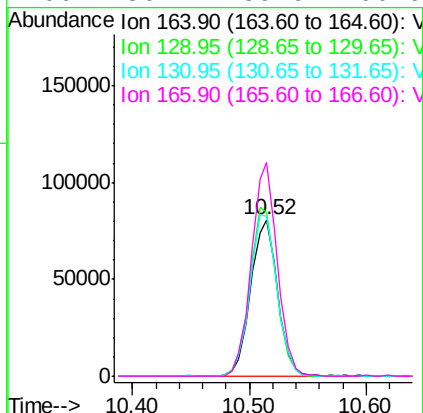
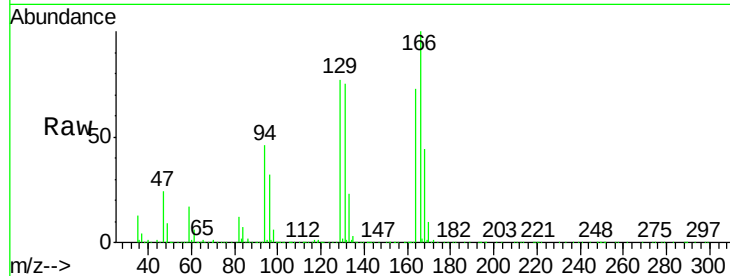




#47
Tetrachloroethene
Concen: 4.328 ug/L
RT: 10.52 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VR025507.D
Acq: 18 Jul 2018 15:23

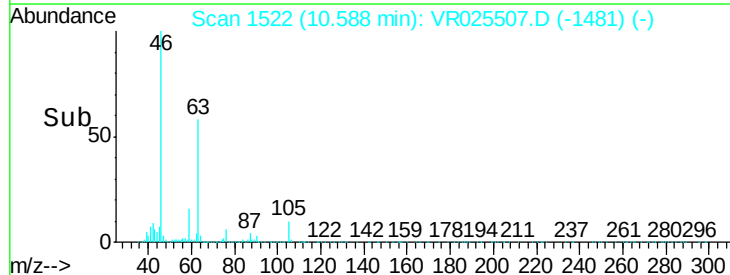
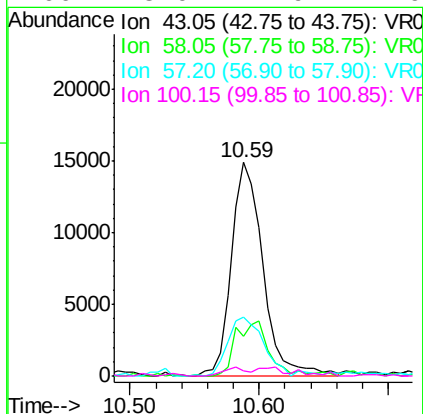
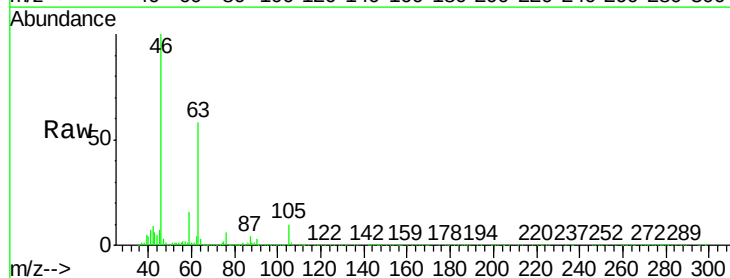
Instrument :
MSVOA_R
ClientSampleId :
C0AF4

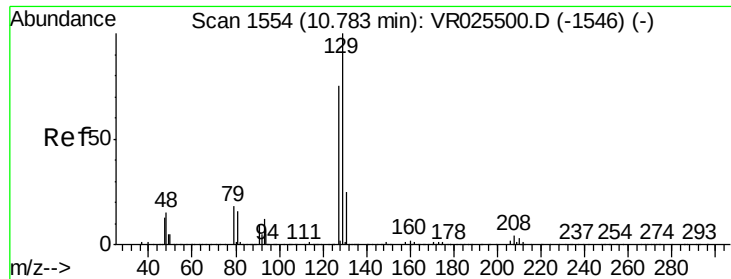
Tgt Ion:	164	Resp:	130417
Ion	Ratio	Lower	Upper
164	100		
129	104.8	68.1	126.5
131	101.8	68.5	127.1
166	136.2	89.9	166.9



#48
2-Hexanone
Concen: 3.036 ug/L
RT: 10.59 min Scan# 1522
Delta R.T. -0.05 min
Lab File: VR025507.D
Acq: 18 Jul 2018 15:23

Tgt Ion:	43	Resp:	25507
Ion	Ratio	Lower	Upper
43	100		
58	0.0	43.1	64.7#
57	30.6	15.3	22.9#
100	3.0	7.9	11.9#





#49

Dibromochloromethane

Concen: 5.654 ug/L

RT: 10.51 min Scan# 1509

Delta R.T. -0.27 min

Lab File: VR025507.D

Acq: 18 Jul 2018 15:23

Instrument :

MSVOA_R

ClientSampleId :

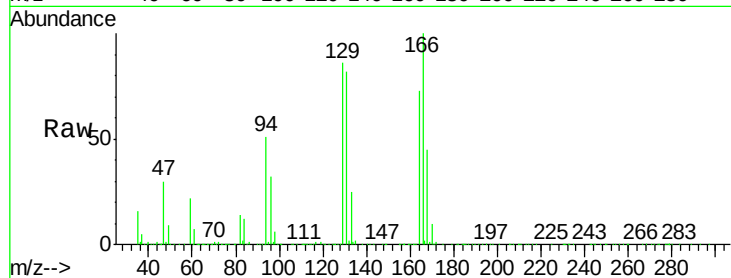
C0AF4

Tgt Ion:129 Resp: 121715

Ion Ratio Lower Upper

129 100

127 0.2 55.9 103.7#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

