

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071718\
 Data File : VR025487.D
 Acq On : 17 Jul 2018 11:01
 Operator : SY/MD
 Sample : J4002-01
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 C0AF3

Quant Time: Jul 18 01:08:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 18 01:02:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	707497	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	574941	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	188375	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	83291	4.27	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.40%
7) Chloroethane-d5	2.63	69	65279	3.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.60%
11) 1,1-Dichloroethene-d2	3.62	63	200826	3.40	ug/L	-0.02
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.00%
20) 2-Butanone-d5	6.59	46	211331	34.88	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	69.76%
24) Chloroform-d	7.21	84	363981	3.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.40%
26) 1,2-Dichloroethane-d4	7.89	65	138555	3.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.00%
32) Benzene-d6	7.86	84	798051	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.00%
36) 1,2-Dichloropropane-d6	8.90	67	222943	3.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	79.80%
41) Toluene-d8	9.97	98	704554	4.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.40%
43) trans-1,3-Dichloropropene-	10.24	79	45269	3.06	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	61.20%
46) 2-Hexanone-d5	10.59	63	183227	38.34	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	76.68%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	89493	3.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	71.80%
64) 1,2-Dichlorobenzene-d4	13.51	152	147053	4.73	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.60%

Target Compounds

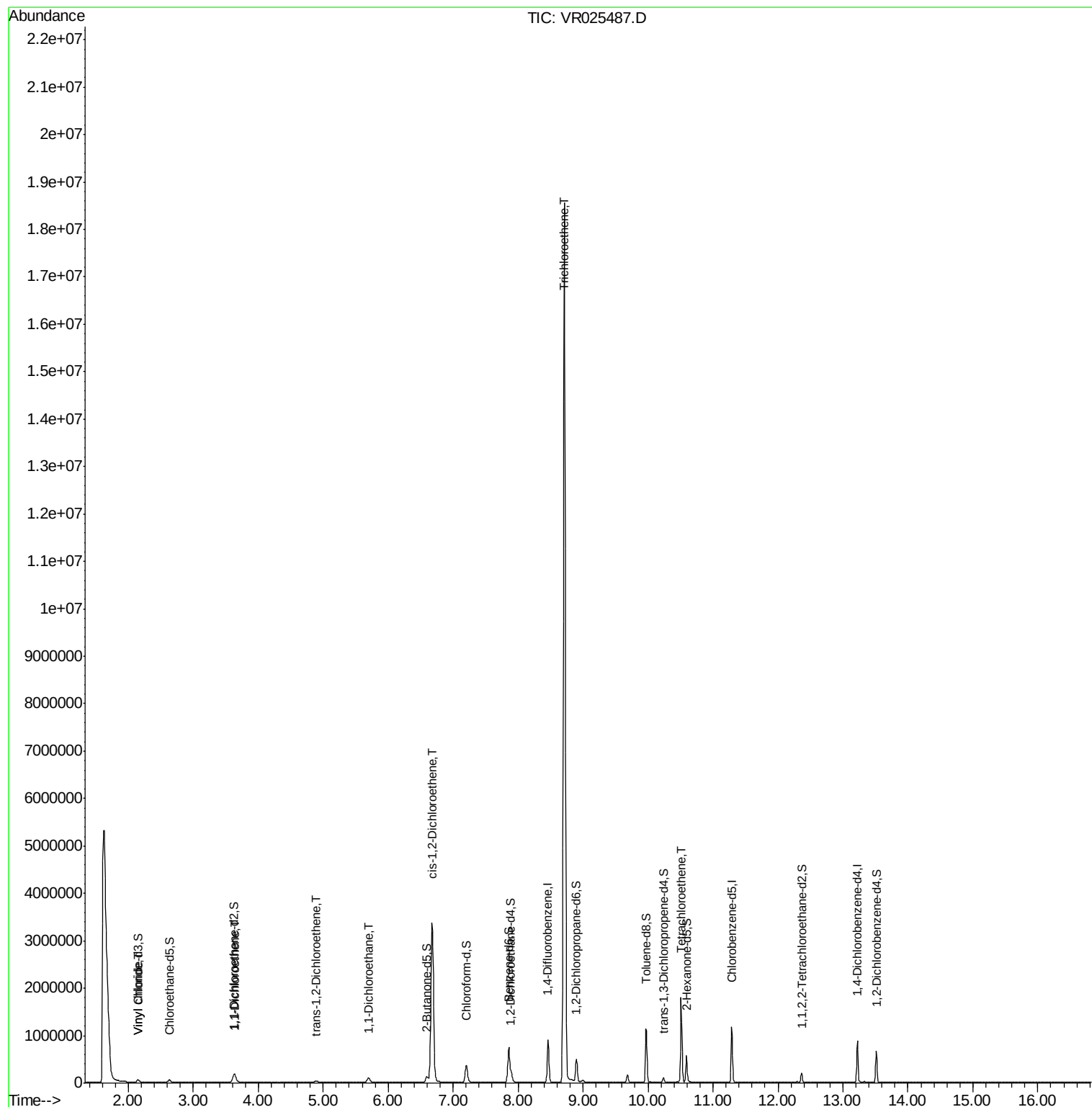
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	2.16	62	14137	0.66	ug/L	88
12) 1,1-Dichloroethene	3.65	96	29783	1.41	ug/L	# 29
18) trans-1,2-Dichloroethene	4.89	96	16506	0.31	ug/L	85
19) 1,1-Dichloroethane	5.70	63	144430	1.60	ug/L	96
22) cis-1,2-Dichloroethene	6.68	96	2207200	45.71	ug/L	# 98
34) Trichloroethene	8.71	95	6481030	128.46	ug/L	95
47) Tetrachloroethene	10.52	164	357959	10.87	ug/L	97

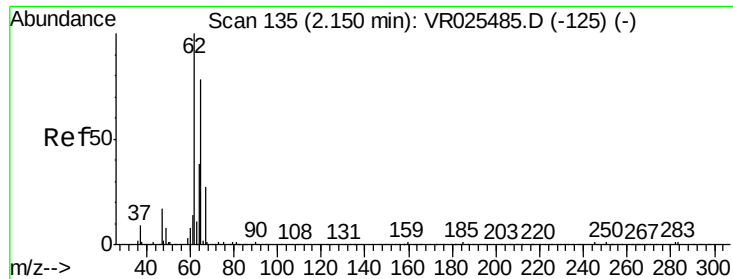
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 18 01:02:47 2018
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.66 ug/L

RT: 2.16 min Scan# 136

Delta R.T. 0.01 min

Lab File: VR025487.D

Acq: 17 Jul 2018 11:01

Instrument :

MSVOA_R

ClientSampleId :

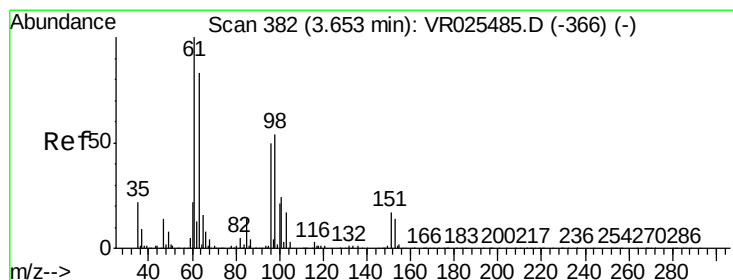
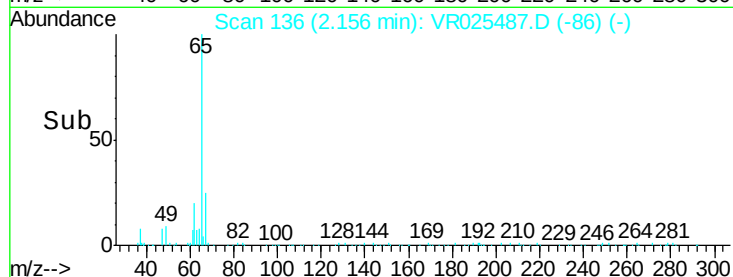
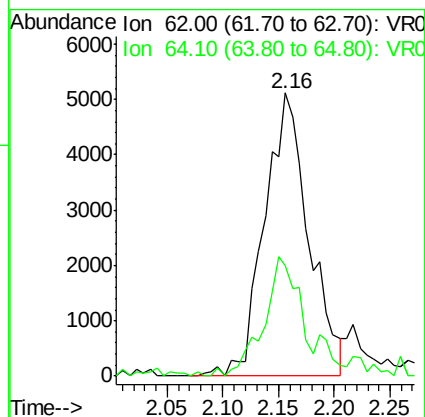
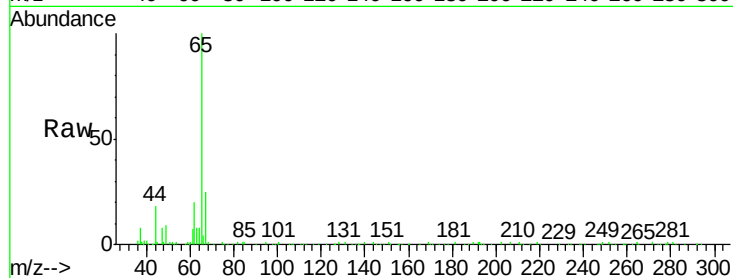
C0AF3

Tot Ion: 62 Resp: 14137

Ion Ratio Lower Upper

62 100

64 39.2 22.8 42.4



#12

1,1-Dichloroethene

Concen: 1.41 ug/L

RT: 3.65 min Scan# 382

Delta R.T. 0.00 min

Lab File: VR025487.D

Acq: 17 Jul 2018 11:01

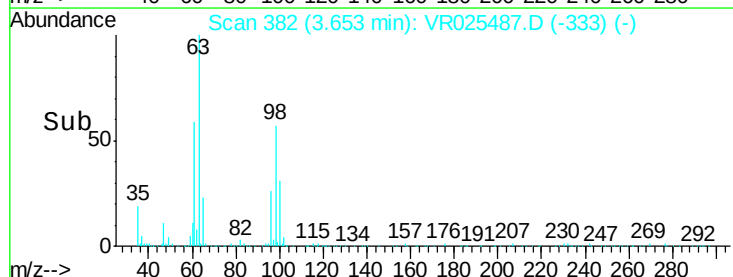
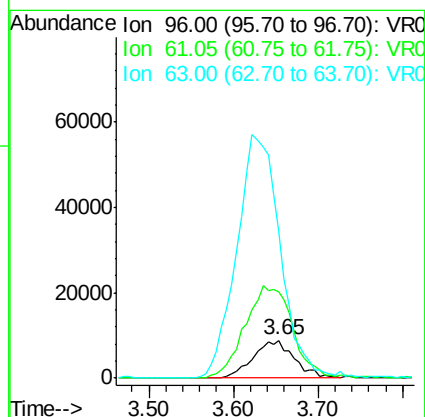
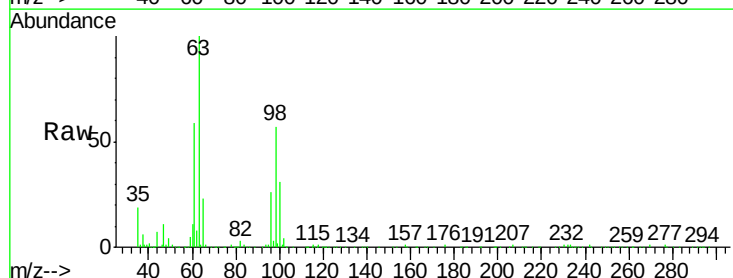
Tgt Ion: 96 Resp: 29783

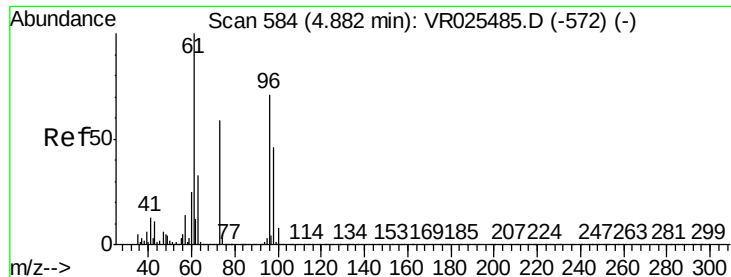
Ion Ratio Lower Upper

96 100

61 228.7 155.0 287.9

63 389.7 122.3 227.1#





#18

trans-1,2-Dichloroethene

Concen: 0.31 ug/L

RT: 4.89 min Scan# 585

Delta R.T. 0.01 min

Lab File: VR025487.D

Acq: 17 Jul 2018 11:01

Instrument :
MSVOA_R
ClientSampled :
C0AF3

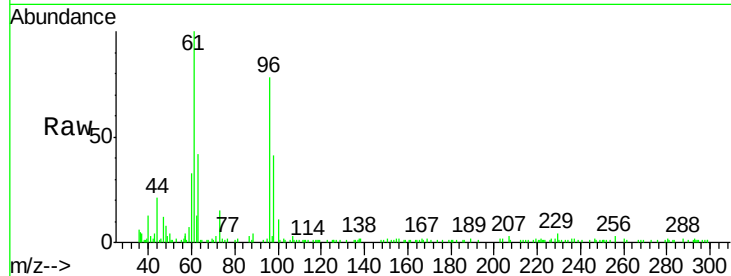
Tot Ion: 96 Resp: 16506

Ion Ratio Lower Upper

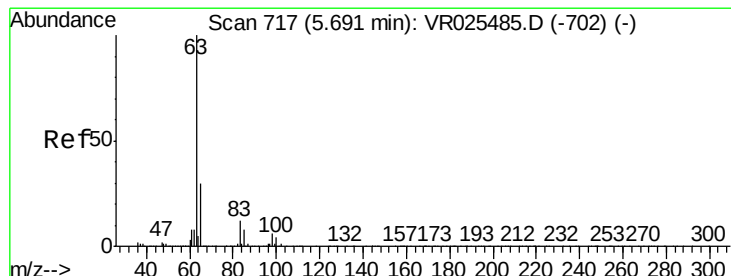
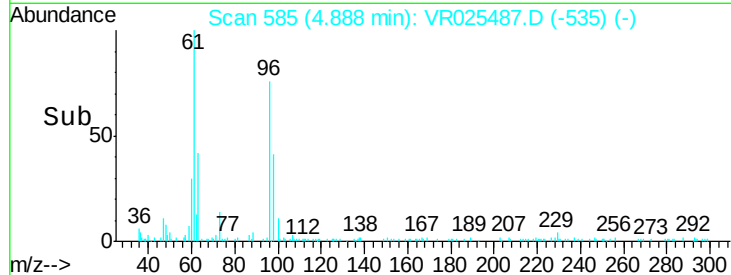
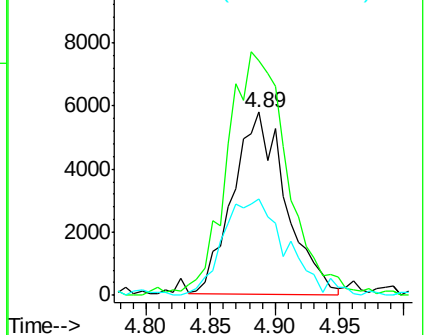
96 100

61 128.0 104.4 193.8

98 52.7 43.1 80.1



Abundance Ion 96.00 (95.70 to 96.70): VR0
Ion 61.05 (60.75 to 61.75): VR0
Ion 97.95 (97.65 to 98.65): VR0



#19

1,1-Dichloroethane

Concen: 1.60 ug/L

RT: 5.70 min Scan# 718

Delta R.T. 0.01 min

Lab File: VR025487.D

Acq: 17 Jul 2018 11:01

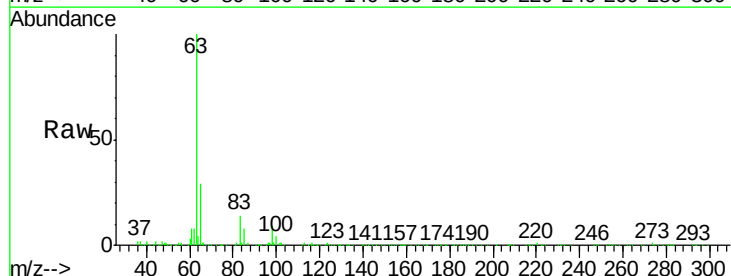
Tgt Ion: 63 Resp: 144430

Ion Ratio Lower Upper

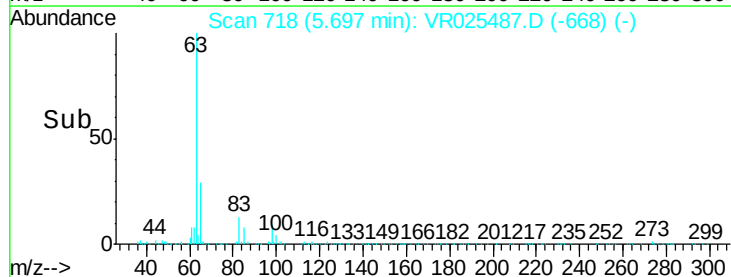
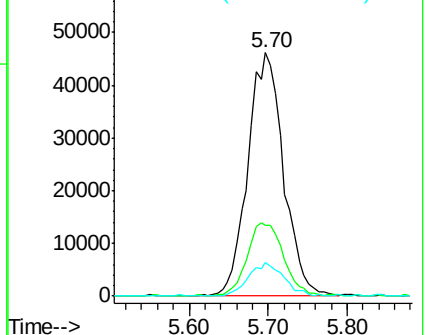
63 100

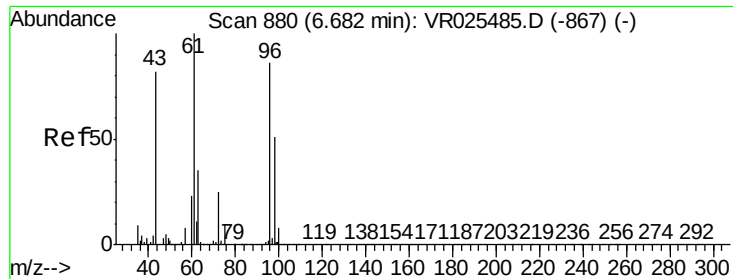
65 29.1 22.5 41.7

83 13.8 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



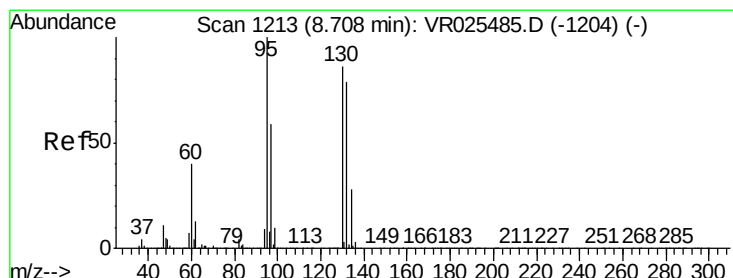
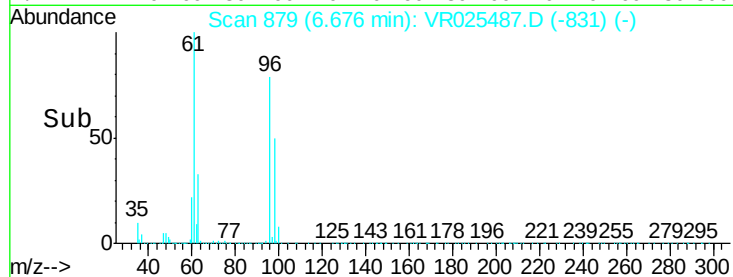
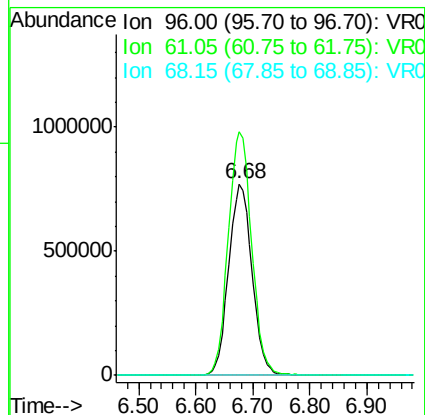
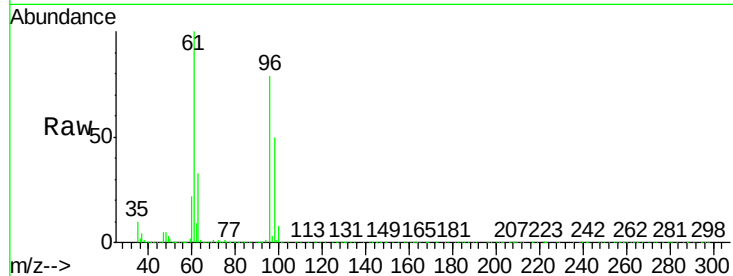


#22

cis-1,2-Dichloroethene
Concen: 45.71 ug/L
RT: 6.68 min Scan# 879
Delta R.T. -0.01 min
Lab File: VR025487.D
Acq: 17 Jul 2018 11:01

Instrument :
MSVOA_R
ClientSampled :
C0AF3

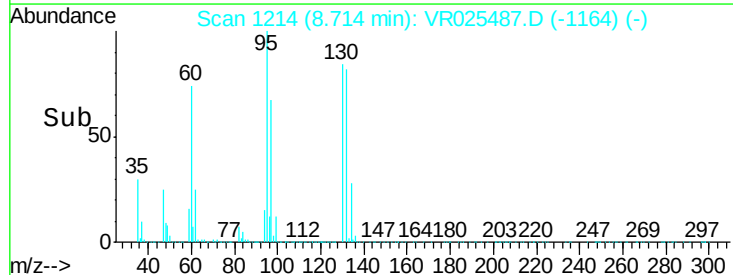
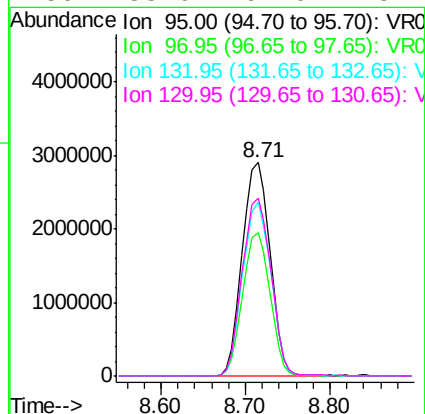
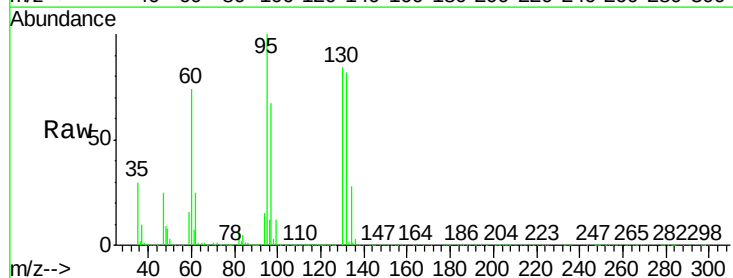
Tot Ion: 96 Resp: 2207200
Ion Ratio Lower Upper
96 100
61 127.4 91.0 169.0
68 0.0 0.0 0.0#

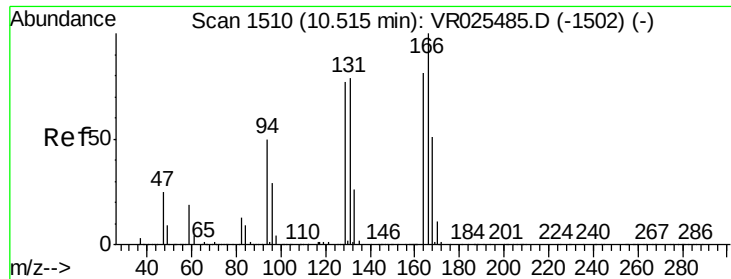


#34

Trichloroethene
Concen: 128.46 ug/L
RT: 8.71 min Scan# 1214
Delta R.T. 0.01 min
Lab File: VR025487.D
Acq: 17 Jul 2018 11:01

Tgt Ion: 95 Resp: 6481030
Ion Ratio Lower Upper
95 100
97 67.2 45.6 84.6
132 81.5 60.9 113.1
130 83.6 62.0 115.2





#47

Tetrachloroethene

Concen: 10.87 ug/L

RT: 10.52 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VR025487.D

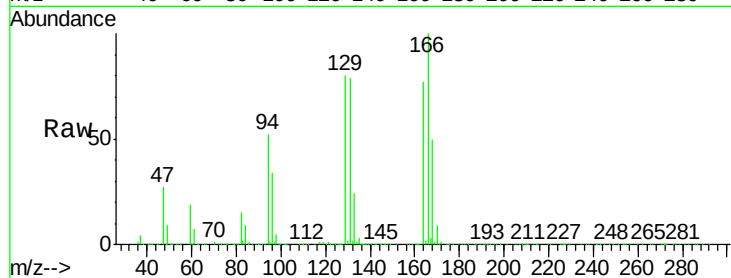
Acq: 17 Jul 2018 11:01

Instrument :

MSVOA_R

ClientSampleId :

C0AF3



Tot Ion:164 Resp: 357959

Ion Ratio Lower Upper

164 100

129 103.8 68.1 126.5

131 101.9 68.5 127.1

166 129.1 89.9 166.9

Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

