

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR040619\
 Data File : VR026482.D
 Acq On : 6 Apr 2019 19:15
 Operator : SY/MD
 Sample : K2248-09
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 E3YD0

Quant Time: Apr 07 00:09:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR040319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Apr 06 23:34:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	522810	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	422493	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	118946	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.14	65	150039	3.78	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.60%
7) Chloroethane-d5	2.63	69	141651	4.28	ug/L	0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.60%
11) 1,1-Dichloroethene-d2	3.60	63	315770	3.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.40%
20) 2-Butanone-d5	6.59	46	182428	51.51	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.02%
24) Chloroform-d	7.20	84	333654	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.40%
26) 1,2-Dichloroethane-d4	7.89	65	148867	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
32) Benzene-d6	7.85	84	591743	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
36) 1,2-Dichloropropane-d6	8.89	67	162127	4.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.80%
41) Toluene-d8	9.97	98	502073	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.00%
43) trans-1,3-Dichloropropene-	10.23	79	30322	3.27	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	65.40%
46) 2-Hexanone-d5	10.59	63	141115	56.73	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.46%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	69022	5.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.20%
64) 1,2-Dichlorobenzene-d4	13.51	152	102657	5.70	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.00%

Target Compounds

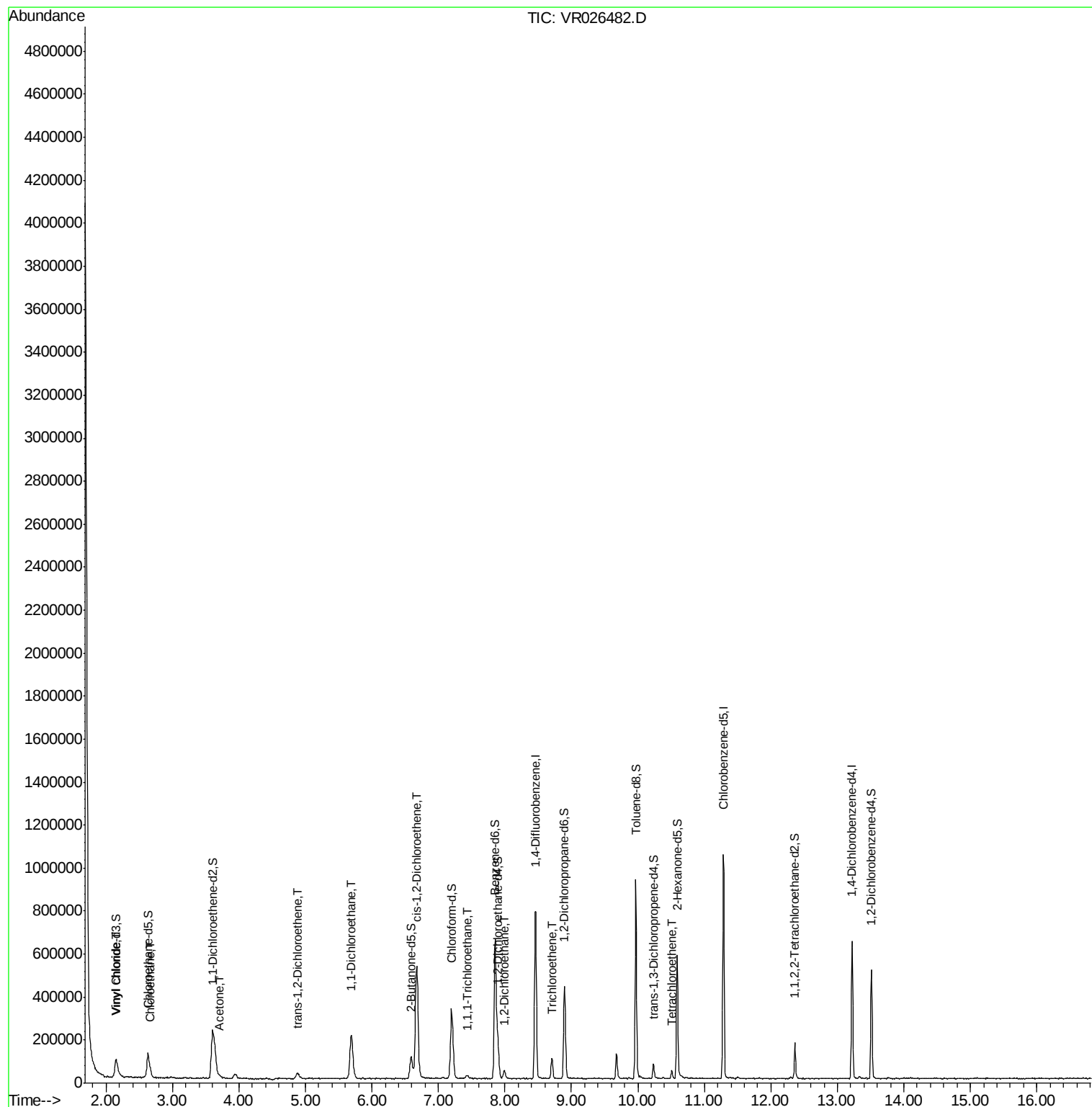
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	2.15	62	19326	0.348	ug/L	91
8) Chloroethane	2.66	64	31930	1.014	ug/L	95
13) Acetone	3.70	43	21920	6.125	ug/L	98
18) trans-1,2-Dichloroethene	4.88	96	9742	0.223	ug/L	85
19) 1,1-Dichloroethane	5.69	63	310847	3.824	ug/L	99
22) cis-1,2-Dichloroethene	6.67	96	276870	7.609	ug/L #	94
27) 1,2-Dichloroethane	7.99	62	35213	0.908	ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	10682	0.153	ug/L #	83
34) Trichloroethene	8.71	95	31640	0.715	ug/L	93
47) Tetrachloroethene	10.51	164	6939	0.220	ug/L	93

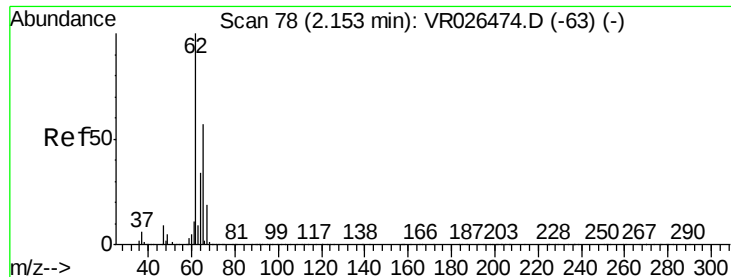
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Apr 06 23:34:06 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.348 ug/L

RT: 2.15 min Scan# 78

Delta R.T. -0.00 min

Lab File: VR026482.D

Acq: 6 Apr 2019 19:15

Instrument :

MSVOA_R

ClientSampleId :

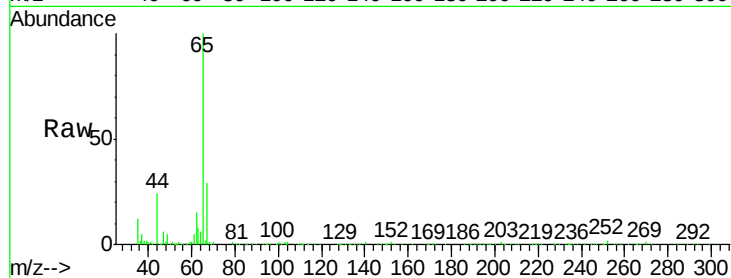
E3YD0

Tot Ion: 62 Resp: 19326

Ion Ratio Lower Upper

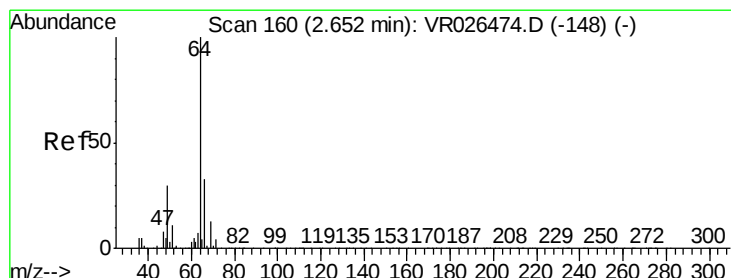
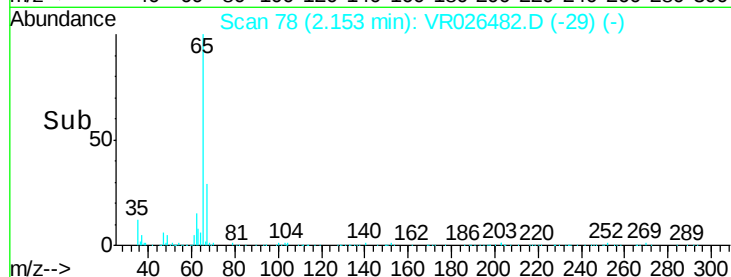
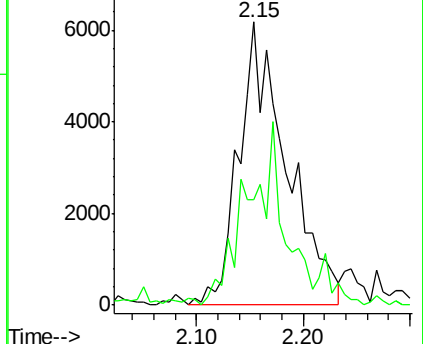
62 100

64 37.1 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 64.10 (63.80 to 64.80): VR0



#8

Chloroethane

Concen: 1.014 ug/L

RT: 2.66 min Scan# 162

Delta R.T. 0.01 min

Lab File: VR026482.D

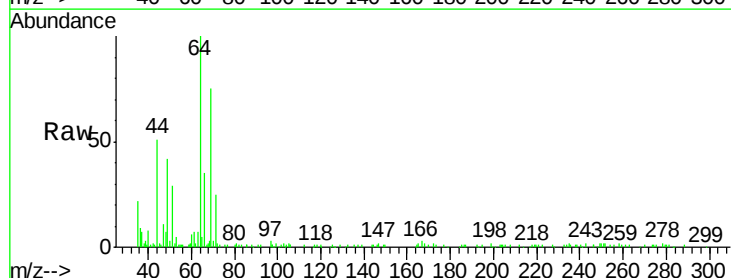
Acq: 6 Apr 2019 19:15

Tgt Ion: 64 Resp: 31930

Ion Ratio Lower Upper

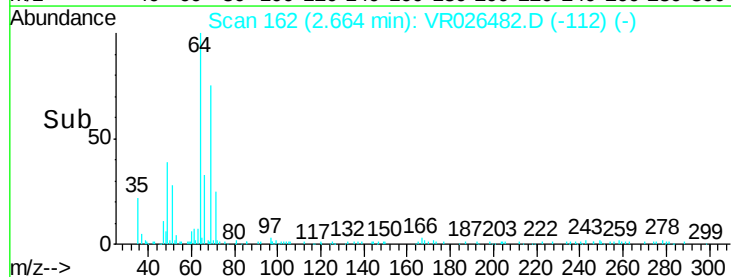
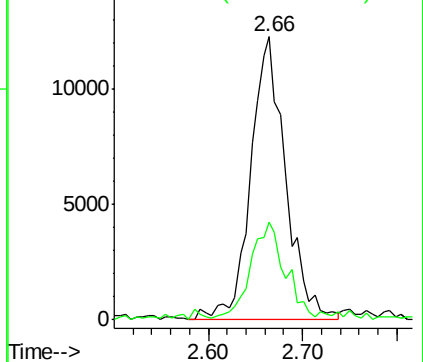
64 100

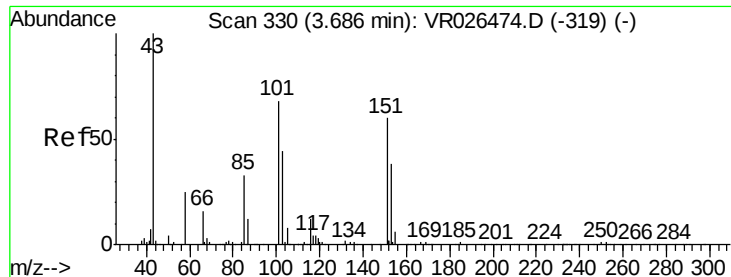
66 34.7 22.4 41.6



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0





#13

Acetone

Concen: 6.125 ug/L

RT: 3.70 min Scan# 333

Delta R.T. 0.02 min

Lab File: VR026482.D

Acq: 6 Apr 2019 19:15

Instrument :

MSVOA_R

ClientSampleId :

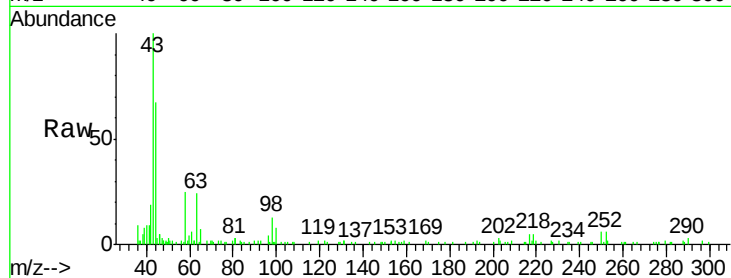
E3YD0

Tot Ion: 43 Resp: 21920

Ion Ratio Lower Upper

43 100

58 28.2 0.0 53.8



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Time-->

3.60 3.70 3.80

8000

6000

4000

2000

0

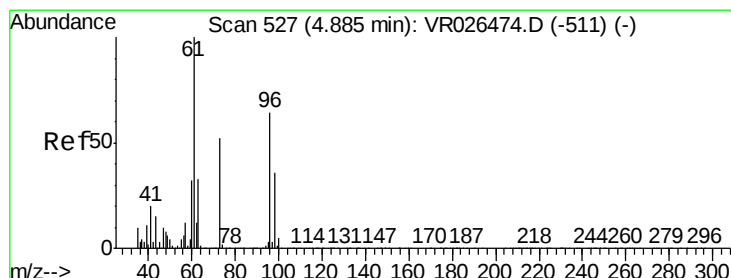
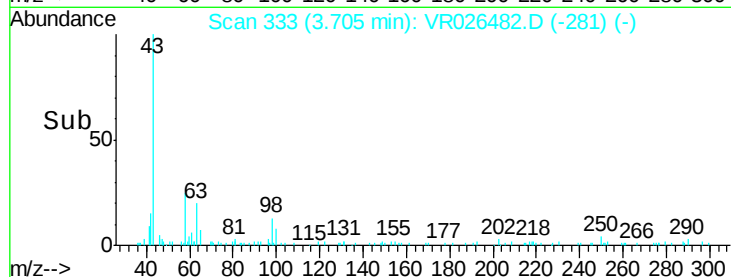
3.60 3.70 3.80

Time-->

3.60 3.70 3.80

Time-->

Time-->



#18

trans-1,2-Dichloroethene

Concen: 0.223 ug/L

RT: 4.88 min Scan# 527

Delta R.T. 0.01 min

Lab File: VR026482.D

Acq: 6 Apr 2019 19:15

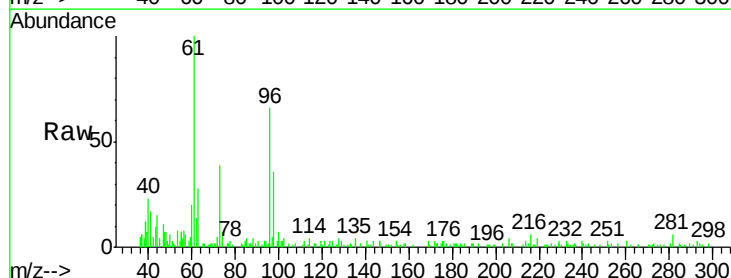
Tgt Ion: 96 Resp: 9742

Ion Ratio Lower Upper

96 100

61 152.4 122.9 228.3

98 55.0 45.2 84.0



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

Time-->

4.80 4.90

6000

4000

2000

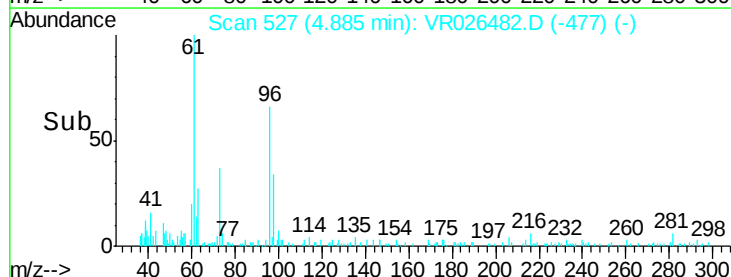
0

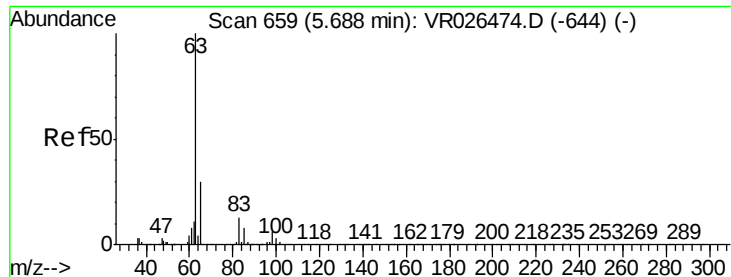
4.80 4.90

Time-->

Time-->

Time-->

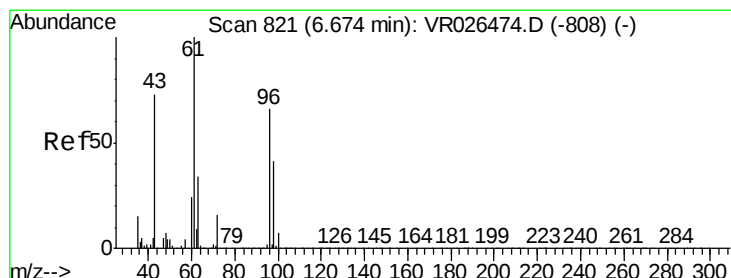
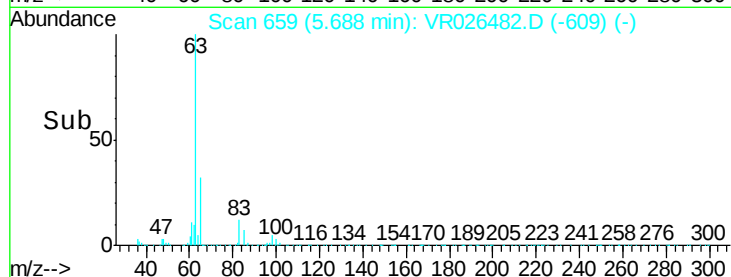
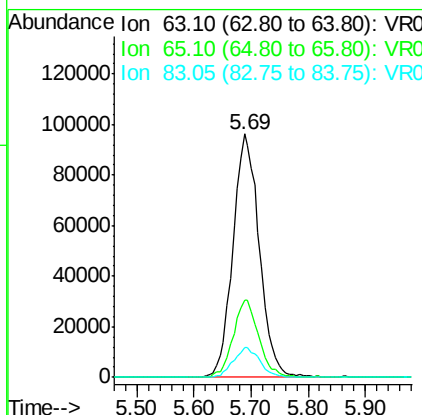
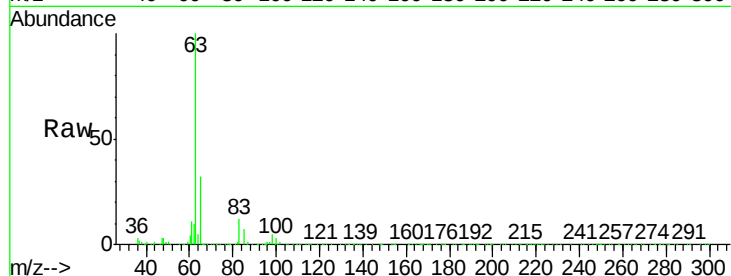




#19
 1,1-Dichloroethane
 Concen: 3.824 ug/L
 RT: 5.69 min Scan# 659
 Delta R.T. 0.01 min
 Lab File: VR026482.D
 Acq: 6 Apr 2019 19:15

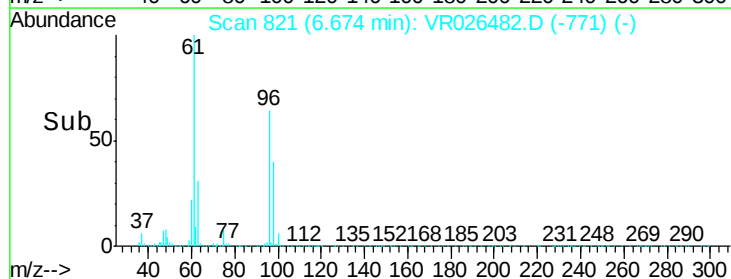
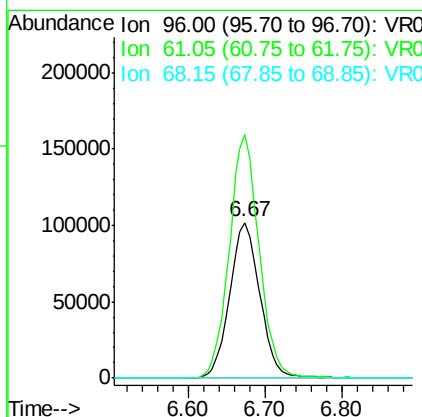
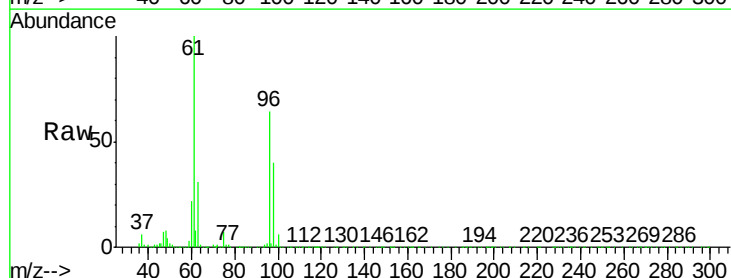
Instrument :
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 E3YD0

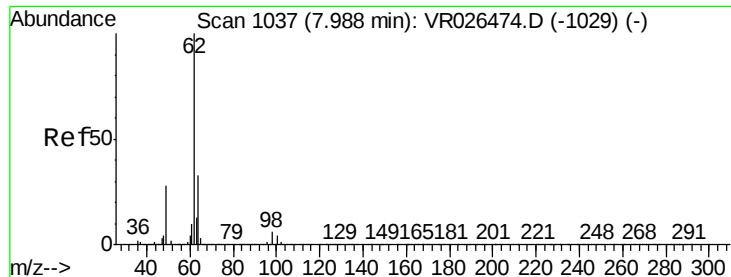
Tot Ion:	63	Resp:	310847
Ion	Ratio	Lower	Upper
63	100		
65	31.8	22.0	40.8
83	12.3	8.2	15.2



#22
 cis-1,2-Dichloroethene
 Concen: 7.609 ug/L
 RT: 6.67 min Scan# 821
 Delta R.T. 0.01 min
 Lab File: VR026482.D
 Acq: 6 Apr 2019 19:15

Tgt Ion:	96	Resp:	276870
Ion	Ratio	Lower	Upper
96	100		
61	156.5	115.0	213.6
68	0.1	0.0	0.0#





#27

1,2-Dichloroethane

Concen: 0.908 ug/L

RT: 7.99 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VR026482.D

Acq: 6 Apr 2019 19:15

Instrument :

MSVOA_R

ClientSampleId :

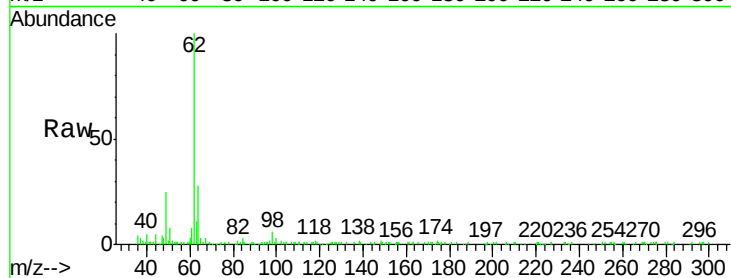
E3YD0

Tot Ion: 62 Resp: 35213

Ion Ratio Lower Upper

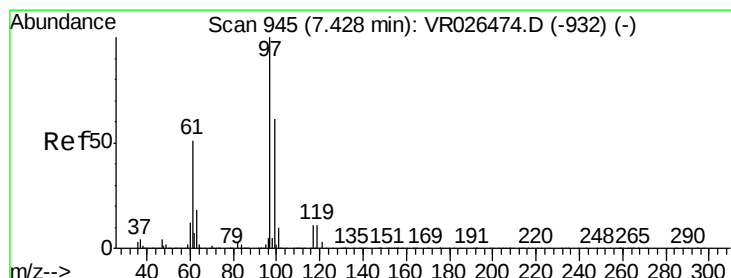
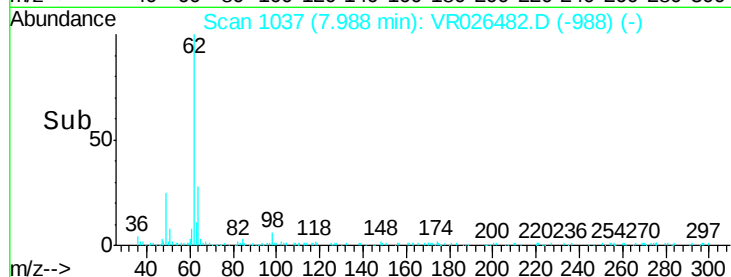
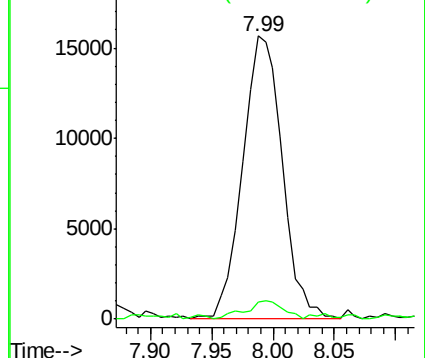
62 100

98 6.3 4.8 7.2



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 98.05 (97.75 to 98.75): VR0



#29

1,1,1-Trichloroethane

Concen: 0.153 ug/L

RT: 7.43 min Scan# 945

Delta R.T. -0.00 min

Lab File: VR026482.D

Acq: 6 Apr 2019 19:15

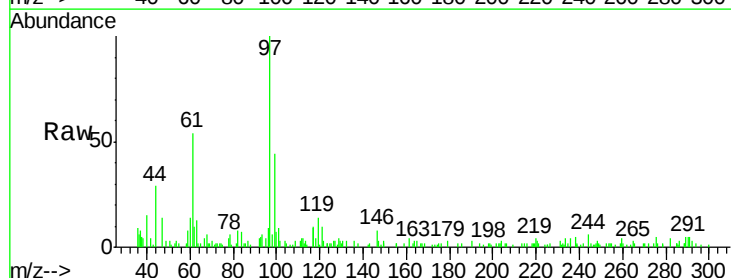
Tgt Ion: 97 Resp: 10682

Ion Ratio Lower Upper

97 100

99 74.2 49.6 74.4

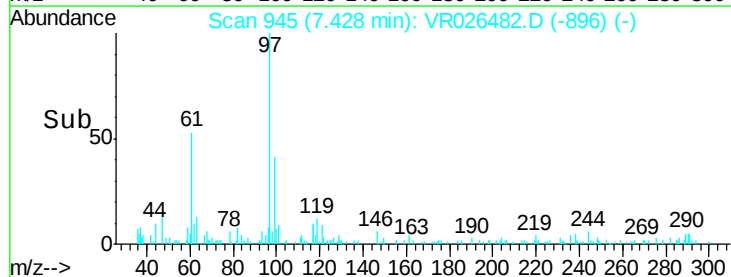
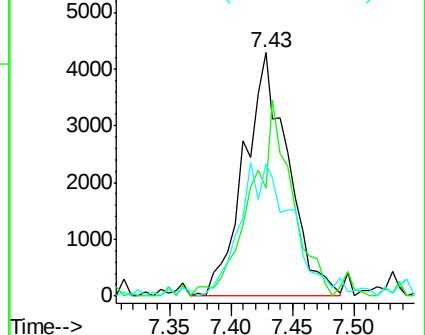
61 65.4 41.8 62.6#

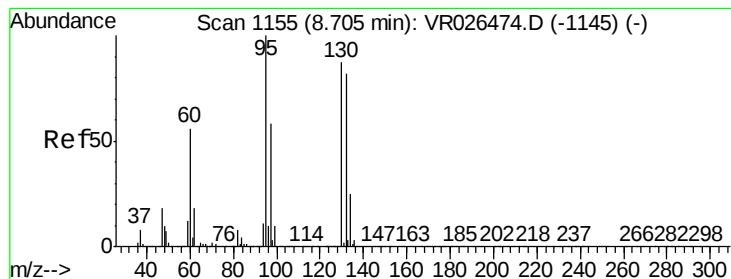


Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 61.05 (60.75 to 61.75): VR0





#34

Trichloroethene

Concen: 0.715 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.01 min

Lab File: VR026482.D

Acq: 6 Apr 2019 19:15

Instrument :

MSVOA_R

ClientSampleID :

E3YD0

Tot Ion: 95 Resp: 31640

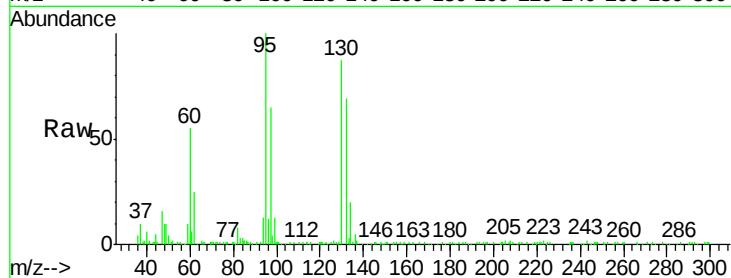
Ion Ratio Lower Upper

95 100

97 64.6 43.8 81.3

132 68.6 57.2 106.2

130 87.3 59.7 110.9

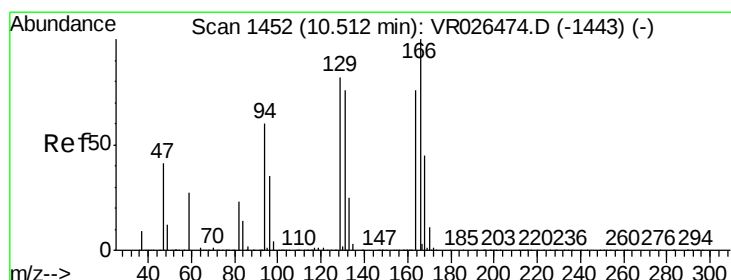
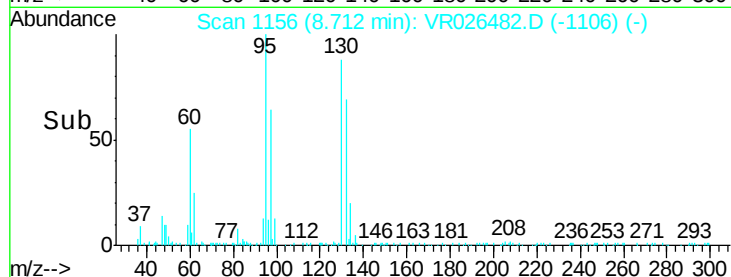
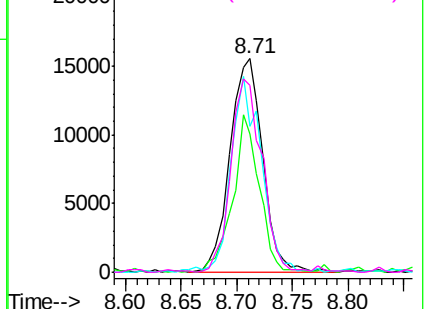


Abundance Ion 95.00 (94.70 to 95.70): VR0

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



#47

Tetrachloroethene

Concen: 0.220 ug/L

RT: 10.51 min Scan# 1451

Delta R.T. -0.01 min

Lab File: VR026482.D

Acq: 6 Apr 2019 19:15

Tgt Ion: 164 Resp: 6939

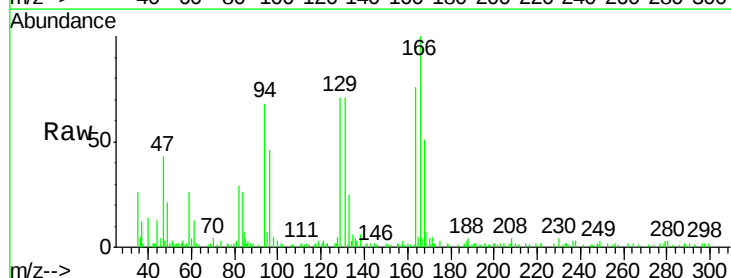
Ion Ratio Lower Upper

164 100

129 92.7 74.1 137.5

131 92.5 71.3 132.5

166 131.1 90.9 168.9



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

