

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR040619\
 Data File : VR026481.D
 Acq On : 6 Apr 2019 18:43
 Operator : SY/MD
 Sample : K2248-09
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 E3YC9

Quant Time: Apr 06 23:37:27 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	511540	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	423635	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	130941	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	147669	3.80	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.00%
7) Chloroethane-d5	2.63	69	141362	4.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.20%
11) 1,1-Dichloroethene-d2	3.61	63	336790	3.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.00%
20) 2-Butanone-d5	6.59	46	178131	51.41	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.82%
24) Chloroform-d	7.20	84	321714	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.00%
26) 1,2-Dichloroethane-d4	7.89	65	140408	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
32) Benzene-d6	7.85	84	576933	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.00%
36) 1,2-Dichloropropane-d6	8.89	67	161641	4.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.20%
41) Toluene-d8	9.97	98	497066	4.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.00%
43) trans-1,3-Dichloropropene-	10.23	79	30007	3.23	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	64.60%
46) 2-Hexanone-d5	10.59	63	136656	54.79	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.58%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	63538	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.80%
64) 1,2-Dichlorobenzene-d4	13.51	152	110553	5.58	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.60%

Target Compounds

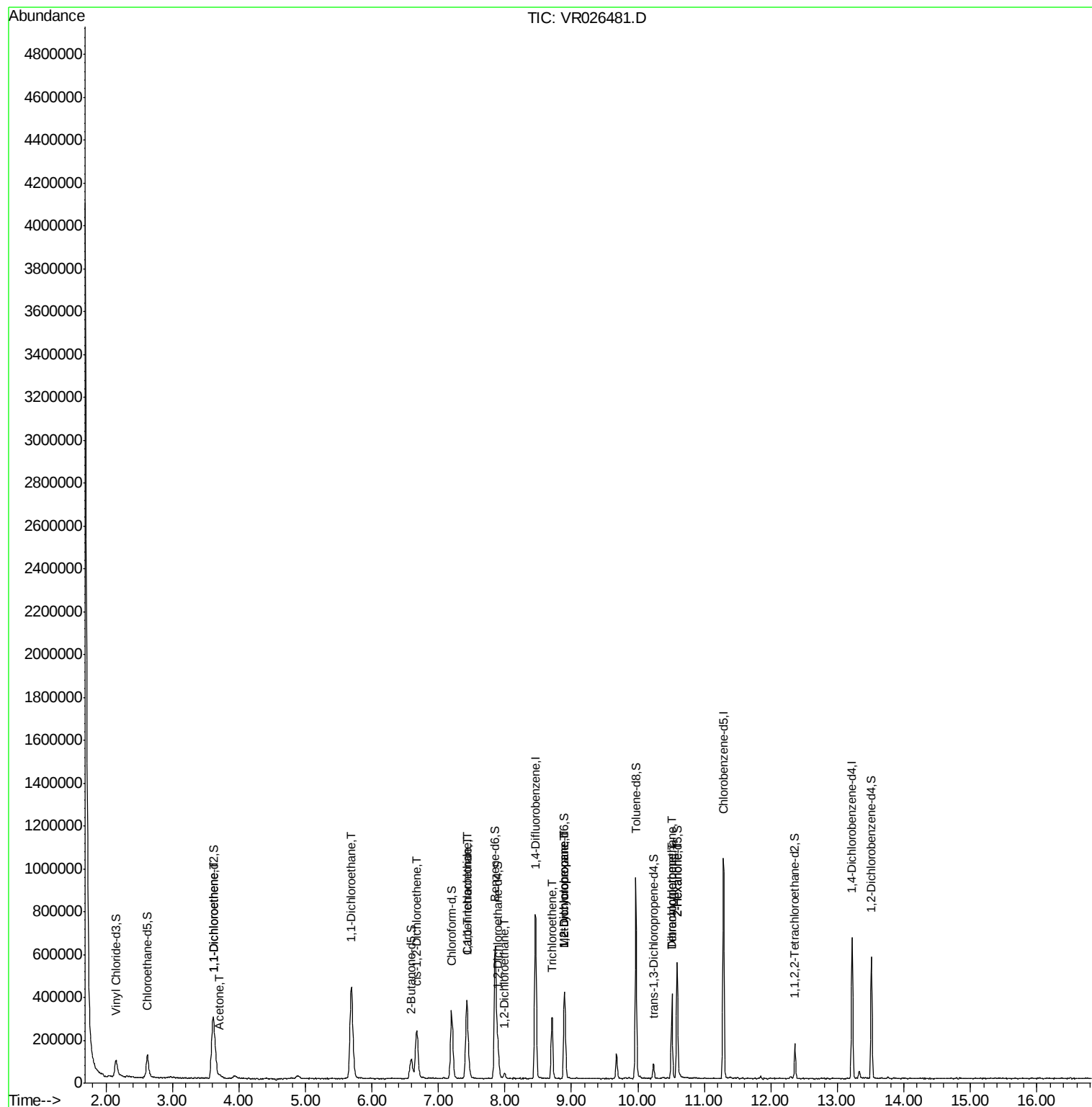
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	3.62	96	22674	0.500	ug/L #	1
13) Acetone	3.70	43	19330	5.520	ug/L	73
19) 1,1-Dichloroethane	5.69	63	634701	7.980	ug/L	98
22) cis-1,2-Dichloroethene	6.67	96	112792	3.168	ug/L #	91
27) 1,2-Dichloroethane	7.99	62	21148	0.557	ug/L #	92
29) 1,1,1-Trichloroethane	7.43	97	304666	4.357	ug/L	95
31) Carbon tetrachloride	7.43	117	35272	0.532	ug/L	99
34) Trichloroethene	8.71	95	94102	2.122	ug/L	99
35) Methylcyclohexane	8.89	83	38716	0.612	ug/L #	14
37) 1,2-Dichloropropane	8.89	63	23097	0.637	ug/L #	94
47) Tetrachloroethene	10.51	164	70108	2.221	ug/L	97
48) 2-Hexanone	10.59	43	25121	3.553	ug/L #	77
49) Dibromochloromethane	10.51	129	63684	3.312	ug/L #	14

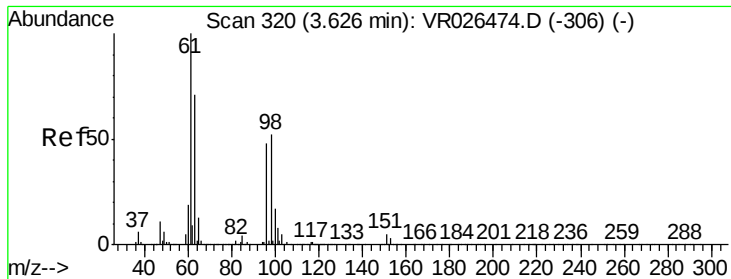
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.500 ug/L

RT: 3.62 min Scan# 319

Delta R.T. -0.00 min

Lab File: VR026481.D

Acq: 6 Apr 2019 18:43

Instrument :

MSVOA_R

ClientSampleId :

E3YC9

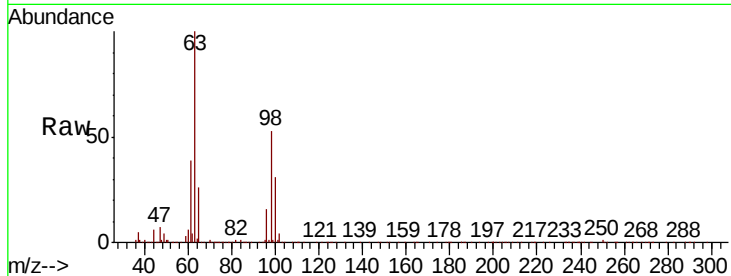
Tgt Ion: 96 Resp: 22674

Ion Ratio Lower Upper

96 100

61 236.7 142.7 264.9

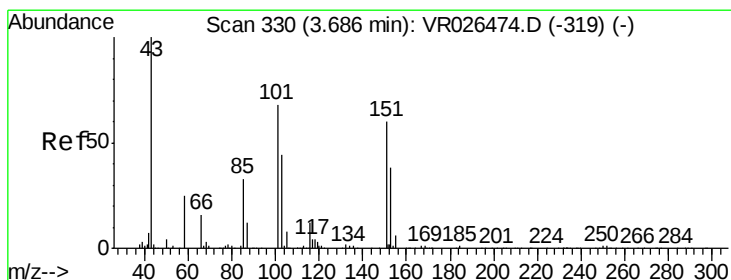
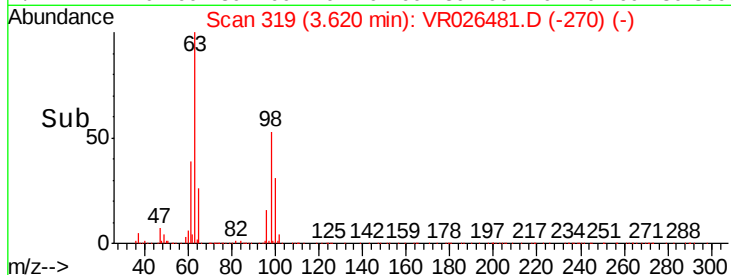
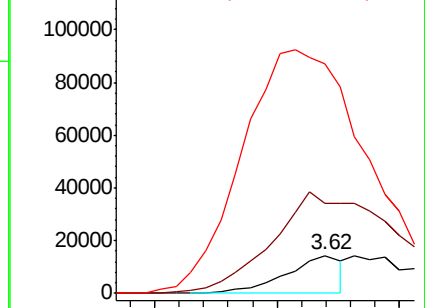
63 608.1 116.9 217.1#



Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0



#13

Acetone

Concen: 5.520 ug/L

RT: 3.70 min Scan# 333

Delta R.T. 0.02 min

Lab File: VR026481.D

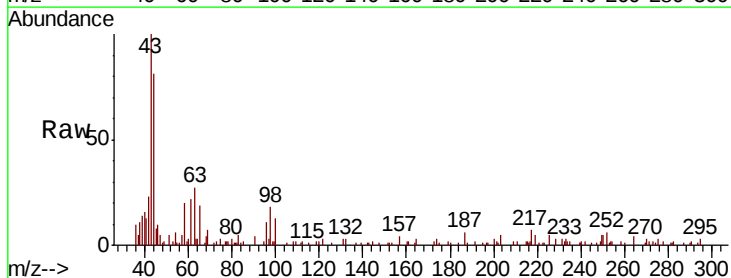
Acq: 6 Apr 2019 18:43

Tgt Ion: 43 Resp: 19330

Ion Ratio Lower Upper

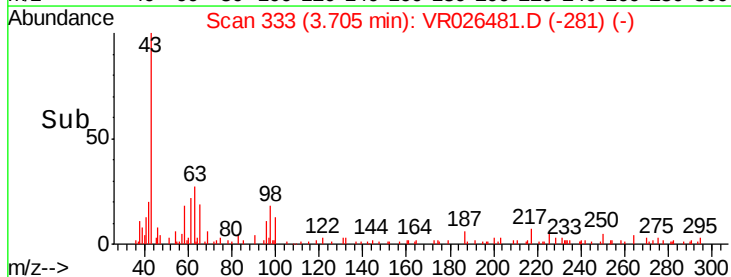
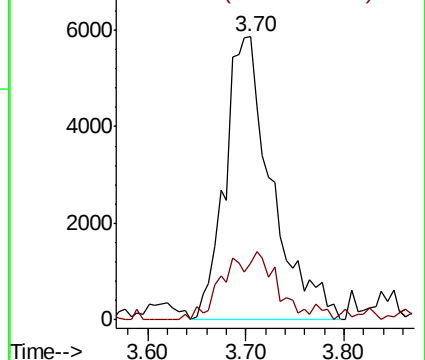
43 100

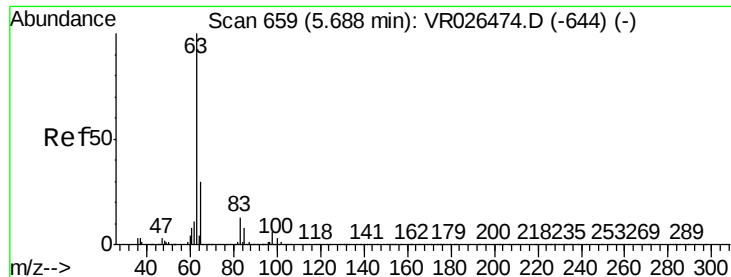
58 12.7 0.0 53.8



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

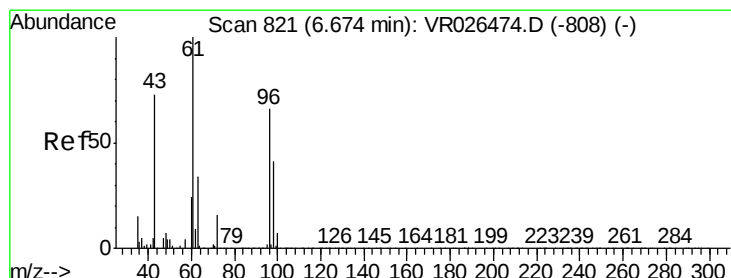
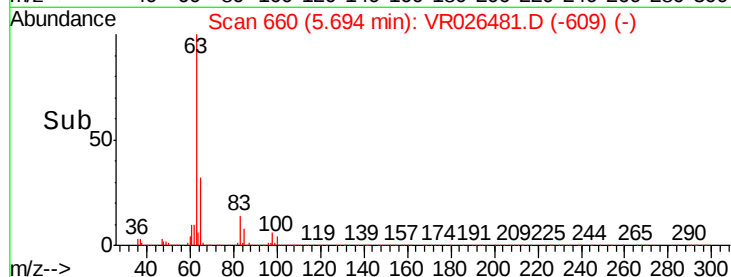
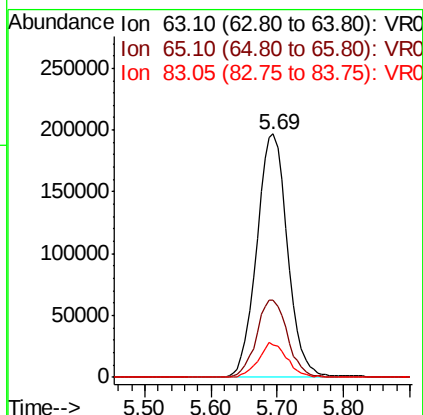
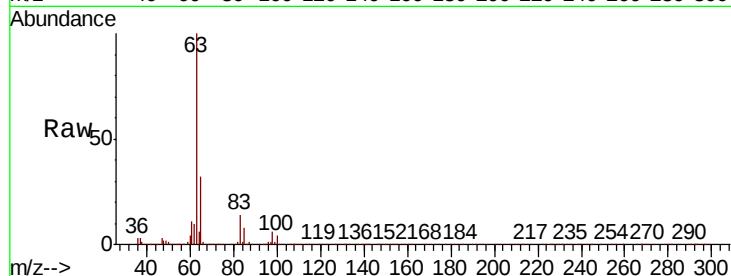




#19
 1,1-Dichloroethane
 Concen: 7.980 ug/L
 RT: 5.69 min Scan# 660
 Delta R.T. 0.01 min
 Lab File: VR026481.D
 Acq: 6 Apr 2019 18:43

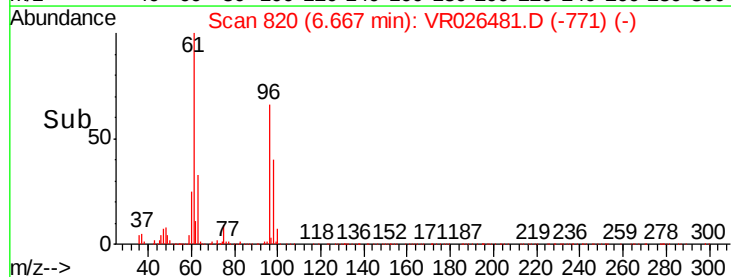
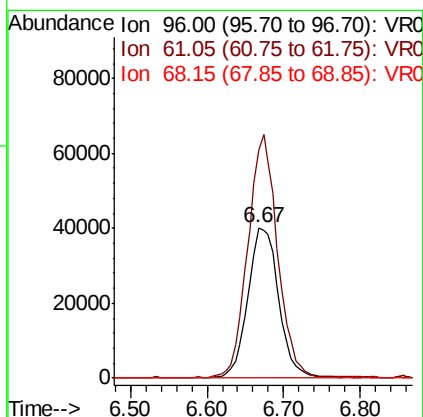
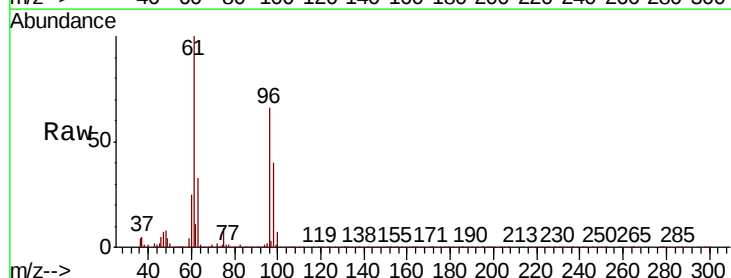
Instrument :
 MSVOA_R
 ClientSampled :
 E3YC9

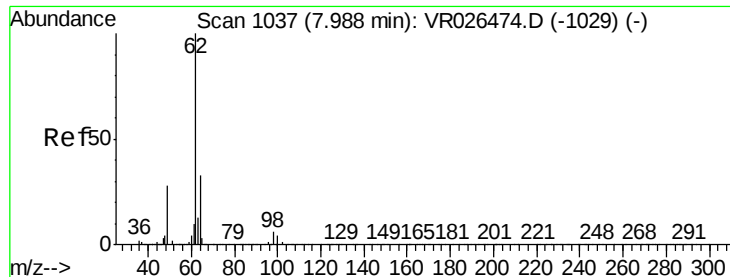
Tgt Ion: 63 Resp: 634701
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.0 40.8
 83 13.5 8.2 15.2



#22
 cis-1,2-Dichloroethene
 Concen: 3.168 ug/L
 RT: 6.67 min Scan# 820
 Delta R.T. -0.00 min
 Lab File: VR026481.D
 Acq: 6 Apr 2019 18:43

Tgt Ion: 96 Resp: 112792
 Ion Ratio Lower Upper
 96 100
 61 152.2 115.0 213.6
 68 0.2 0.0 0.0#





#27

1,2-Dichloroethane

Concen: 0.557 ug/L

RT: 7.99 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VR026481.D

Acq: 6 Apr 2019 18:43

Instrument :

MSVOA_R

ClientSampled :

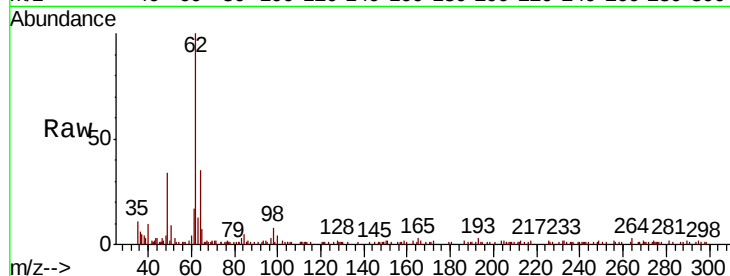
E3YC9

Tgt Ion: 62 Resp: 21148

Ion Ratio Lower Upper

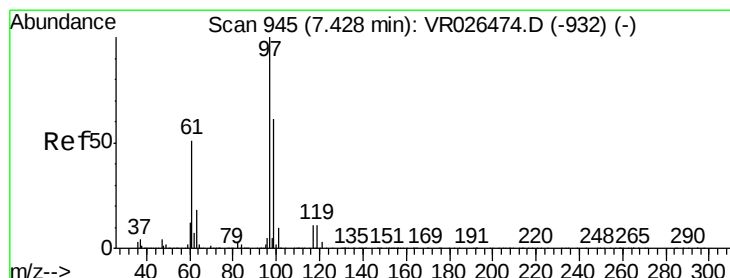
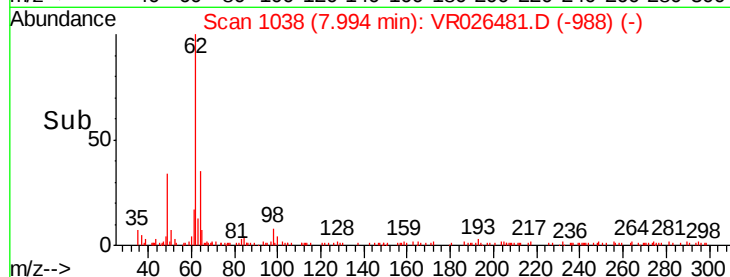
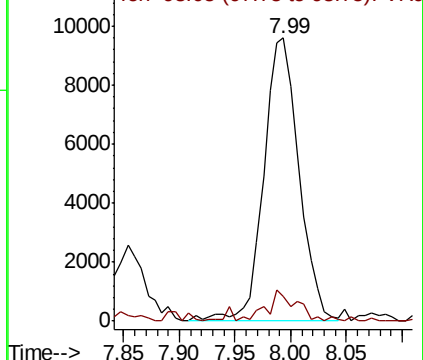
62 100

98 8.6 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: 4.357 ug/L

RT: 7.43 min Scan# 946

Delta R.T. 0.01 min

Lab File: VR026481.D

Acq: 6 Apr 2019 18:43

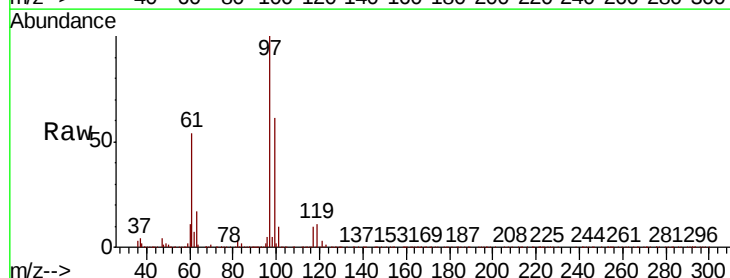
Tgt Ion: 97 Resp: 304666

Ion Ratio Lower Upper

97 100

99 64.9 49.6 74.4

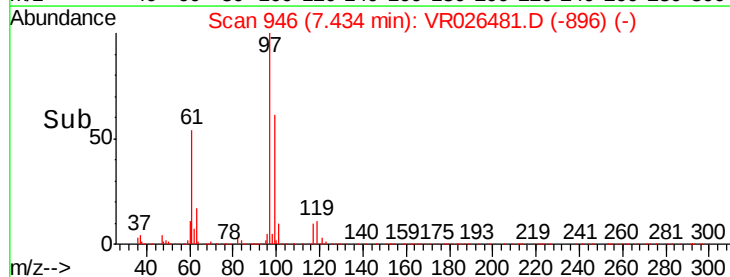
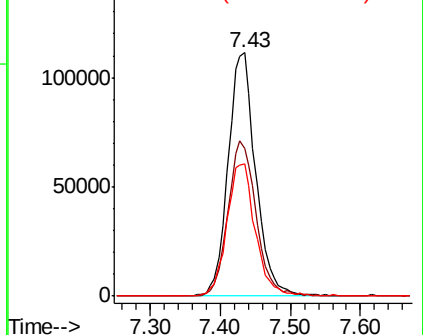
61 56.2 41.8 62.6

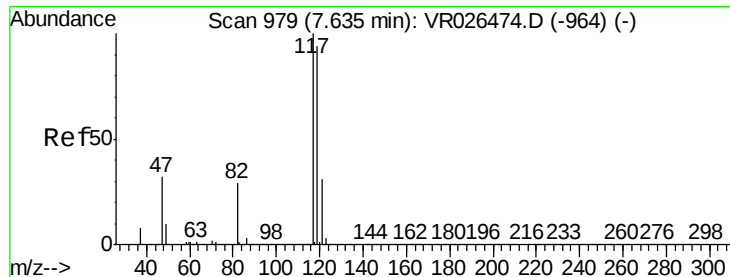


Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 61.05 (60.75 to 61.75): VR0





#31

Carbon tetrachloride

Concen: 0.532 ug/L

RT: 7.43 min Scan# 945

Delta R.T. -0.20 min

Lab File: VR026481.D

Acq: 6 Apr 2019 18:43

Instrument :

MSVOA_R

ClientSampled :

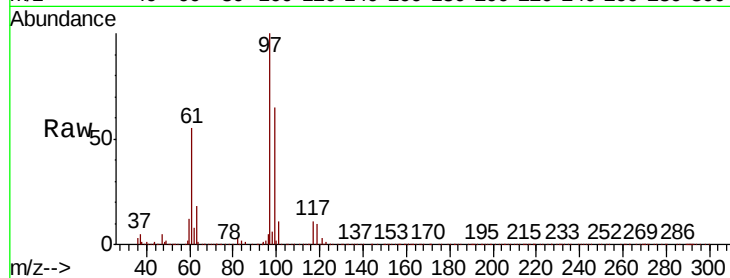
E3YC9

Tgt Ion: 117 Resp: 35272

Ion Ratio Lower Upper

117 100

119 95.6 75.9 113.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

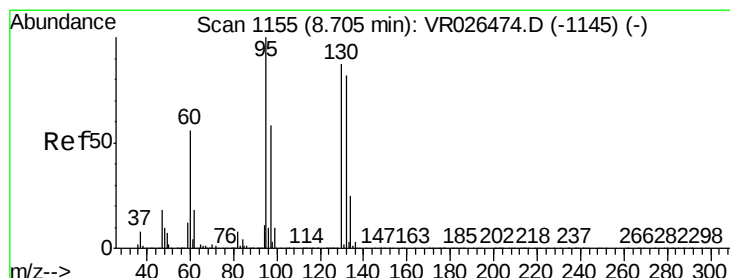
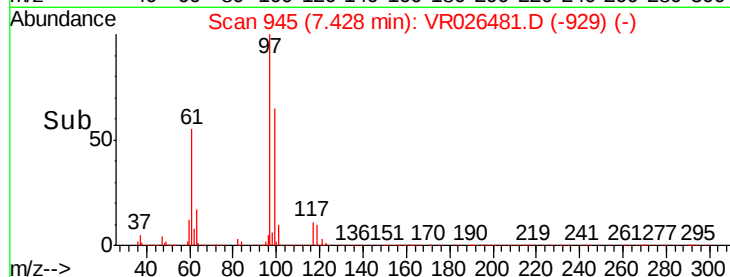
7.43

10000

5000

0

Time--> 7.30 7.40 7.50



#34

Trichloroethene

Concen: 2.122 ug/L

RT: 8.71 min Scan# 1155

Delta R.T. -0.00 min

Lab File: VR026481.D

Acq: 6 Apr 2019 18:43

Tgt Ion: 95 Resp: 94102

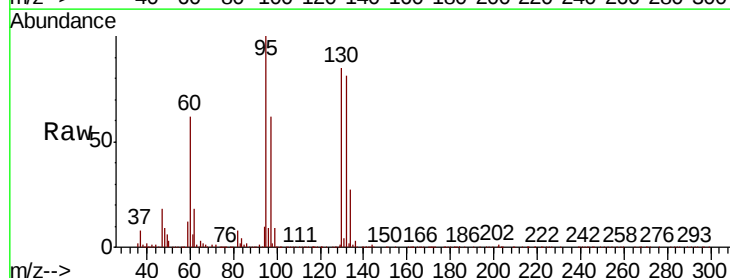
Ion Ratio Lower Upper

95 100

97 62.3 43.8 81.3

132 80.8 57.2 106.2

130 84.7 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

80000

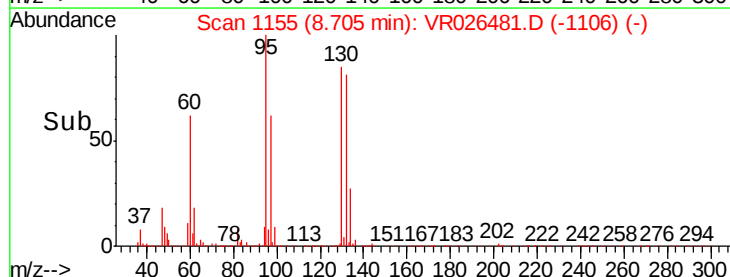
60000

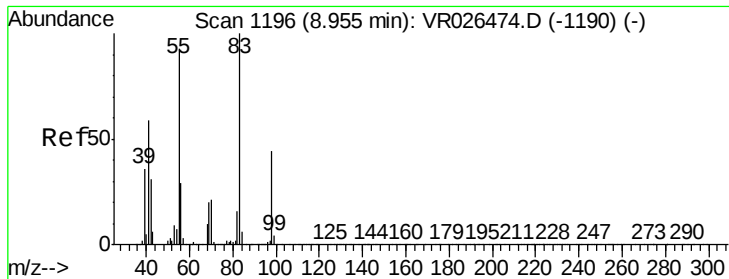
40000

20000

0

Time--> 8.60 8.65 8.70 8.75 8.80

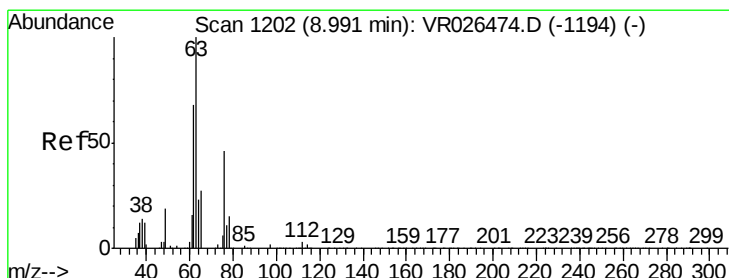
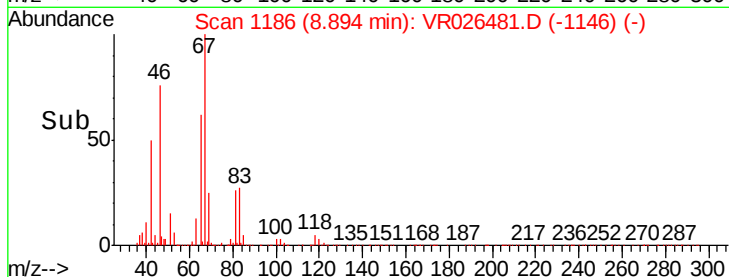
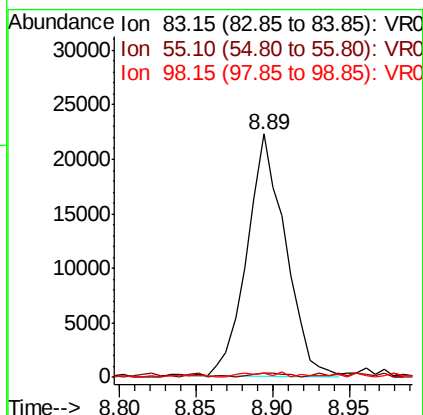
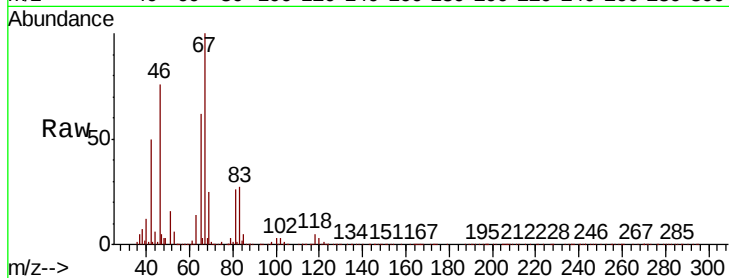




#35
Methylcyclohexane
Concen: 0.612 ug/L
RT: 8.89 min Scan# 1186
Delta R.T. -0.05 min
Lab File: VR026481.D
Acq: 6 Apr 2019 18:43

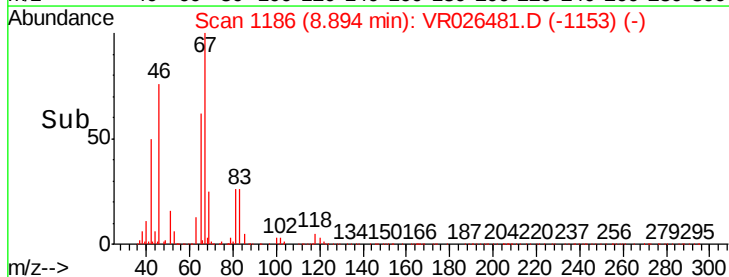
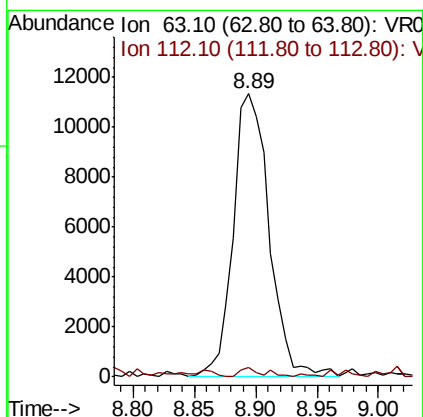
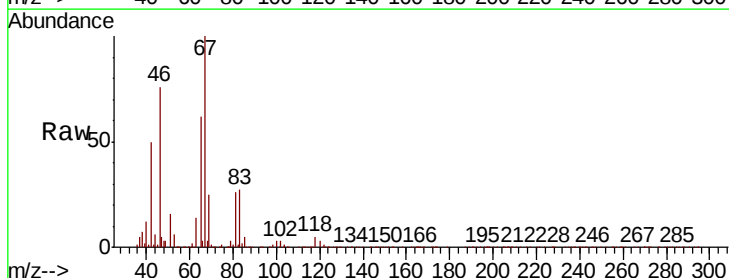
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MSVOA_R
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E3YC9

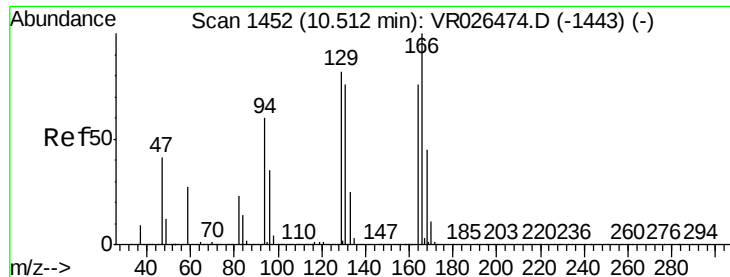
Tgt Ion: 83 Resp: 38716
Ion Ratio Lower Upper
83 100
55 1.6 73.8 110.6#
98 0.9 34.6 51.8#



#37
1,2-Dichloropropane
Concen: 0.637 ug/L
RT: 8.89 min Scan# 1186
Delta R.T. -0.10 min
Lab File: VR026481.D
Acq: 6 Apr 2019 18:43

Tgt Ion: 63 Resp: 23097
Ion Ratio Lower Upper
63 100
112 1.5 2.8 4.2#





#47

Tetrachloroethene

Concen: 2.221 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VR026481.D

Acq: 6 Apr 2019 18:43

Instrument :

MSVOA_R

ClientSampleId :

E3YC9

Tgt Ion:164 Resp: 70108

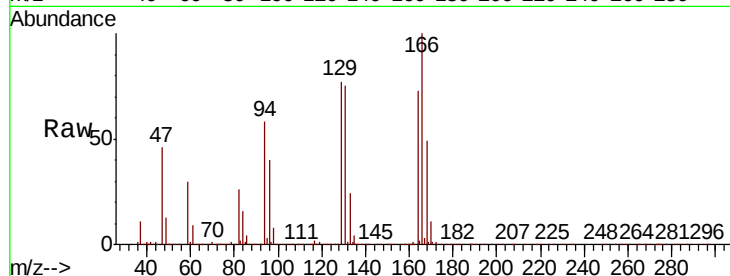
Ion Ratio Lower Upper

164 100

129 104.9 74.1 137.5

131 102.0 71.3 132.5

166 136.9 90.9 168.9

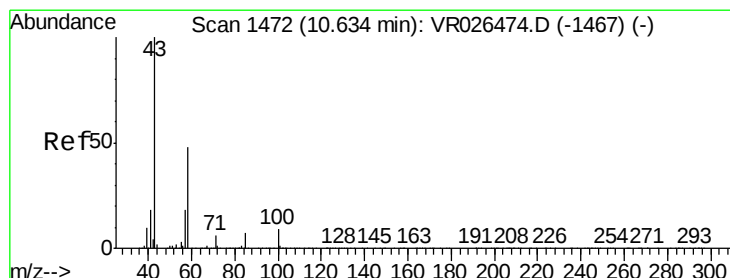
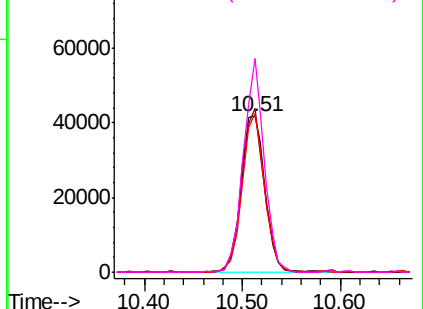
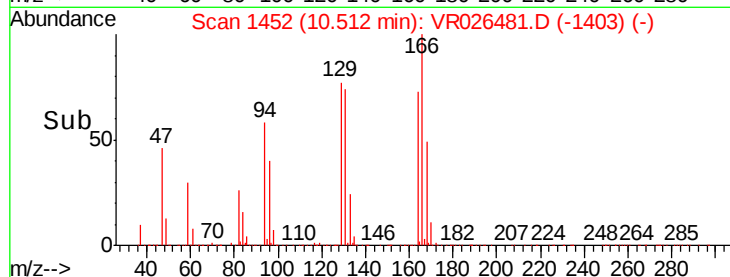


Abundance Ion 163.90 (163.60 to 164.60): V

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



#48

2-Hexanone

Concen: 3.553 ug/L

RT: 10.59 min Scan# 1465

Delta R.T. -0.04 min

Lab File: VR026481.D

Acq: 6 Apr 2019 18:43

Tgt Ion: 43 Resp: 25121

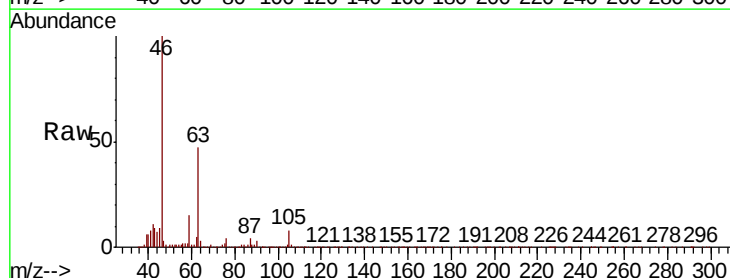
Ion Ratio Lower Upper

43 100

58 31.3 38.2 57.2#

57 27.6 13.8 20.6#

100 4.8 6.2 9.2#

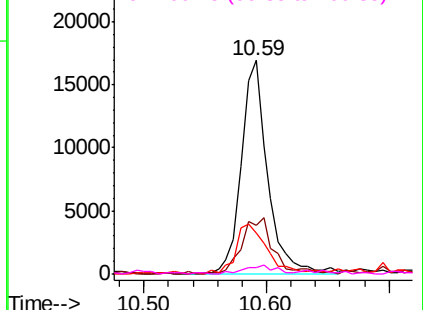
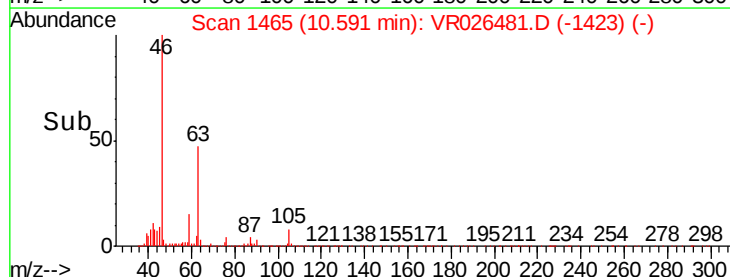


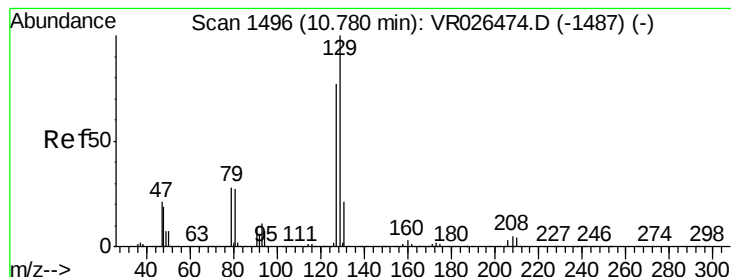
Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 57.20 (56.90 to 57.90): VR0

Ion 100.15 (99.85 to 100.85): VR0





#49

Dibromochloromethane

Concen: 3.312 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. -0.27 min

Lab File: VR026481.D

Acq: 6 Apr 2019 18:43

Instrument :

MSVOA_R

ClientSampleId :

E3YC9

Tgt Ion:129 Resp: 63684

Ion Ratio Lower Upper

129 100

127 0.6 50.2 93.2#

