

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR040419\
 Data File : VR026449.D
 Acq On : 4 Apr 2019 16:27
 Operator : SY/MD
 Sample : K2248-06
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Apr 05 07:22:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR040319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 05 07:16:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	449215	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	365745	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	114452	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	191122	5.60	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	112.00%
7) Chloroethane-d5	2.63	69	159016	5.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	111.80%
11) 1,1-Dichloroethene-d2	3.60	63	360521	4.08	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.60%
20) 2-Butanone-d5	6.59	46	180733	59.39	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.78%
24) Chloroform-d	7.20	84	345487	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.40%
26) 1,2-Dichloroethane-d4	7.89	65	147604	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.40%
32) Benzene-d6	7.85	84	645675	5.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.60%
36) 1,2-Dichloropropane-d6	8.89	67	175884	5.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	116.20%
41) Toluene-d8	9.97	98	570352	5.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.00%
43) trans-1,3-Dichloropropene-	10.24	79	38835	4.84	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.80%
46) 2-Hexanone-d5	10.59	63	136346	63.32	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	126.64%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	61257	5.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.80%
64) 1,2-Dichlorobenzene-d4	13.52	152	112622	6.50	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	130.00%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	3.69	43	20257	6.587	ug/L	99
15) Methyl Acetate	4.18	43	759	0.091	ug/L #	87
17) Methyl tert-butyl Ether	4.88	73	4925	0.109	ug/L #	85
18) trans-1,2-Dichloroethene	4.89	96	7872	0.209	ug/L	81
19) 1,1-Dichloroethane	5.69	63	25988	0.372	ug/L	99
21) 2-Butanone	6.70	43	6456	1.633	ug/L	92
22) cis-1,2-Dichloroethene	6.67	96	53757	1.719	ug/L	95
25) Chloroform	7.22	83	11325	0.169	ug/L	93
27) 1,2-Dichloroethane	7.85	62	4343	0.130	ug/L	100
29) 1,1,1-Trichloroethane	7.43	97	79844	1.323	ug/L	97
31) Carbon tetrachloride	7.43	117	8586	0.150	ug/L	84
34) Trichloroethene	8.71	95	37192	0.971	ug/L	91
35) Methylcyclohexane	8.90	83	42185	0.773	ug/L #	14
37) 1,2-Dichloropropane	8.90	63	23451	0.749	ug/L #	94
39) cis-1,3-Dichloropropene	9.68	75	5280	0.155	ug/L #	68
47) Tetrachloroethene	10.51	164	18022	0.661	ug/L	96
48) 2-Hexanone	10.59	43	23469	3.844	ug/L #	73

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Apr 05 07:16:54 2019
Response via : Initial Calibration

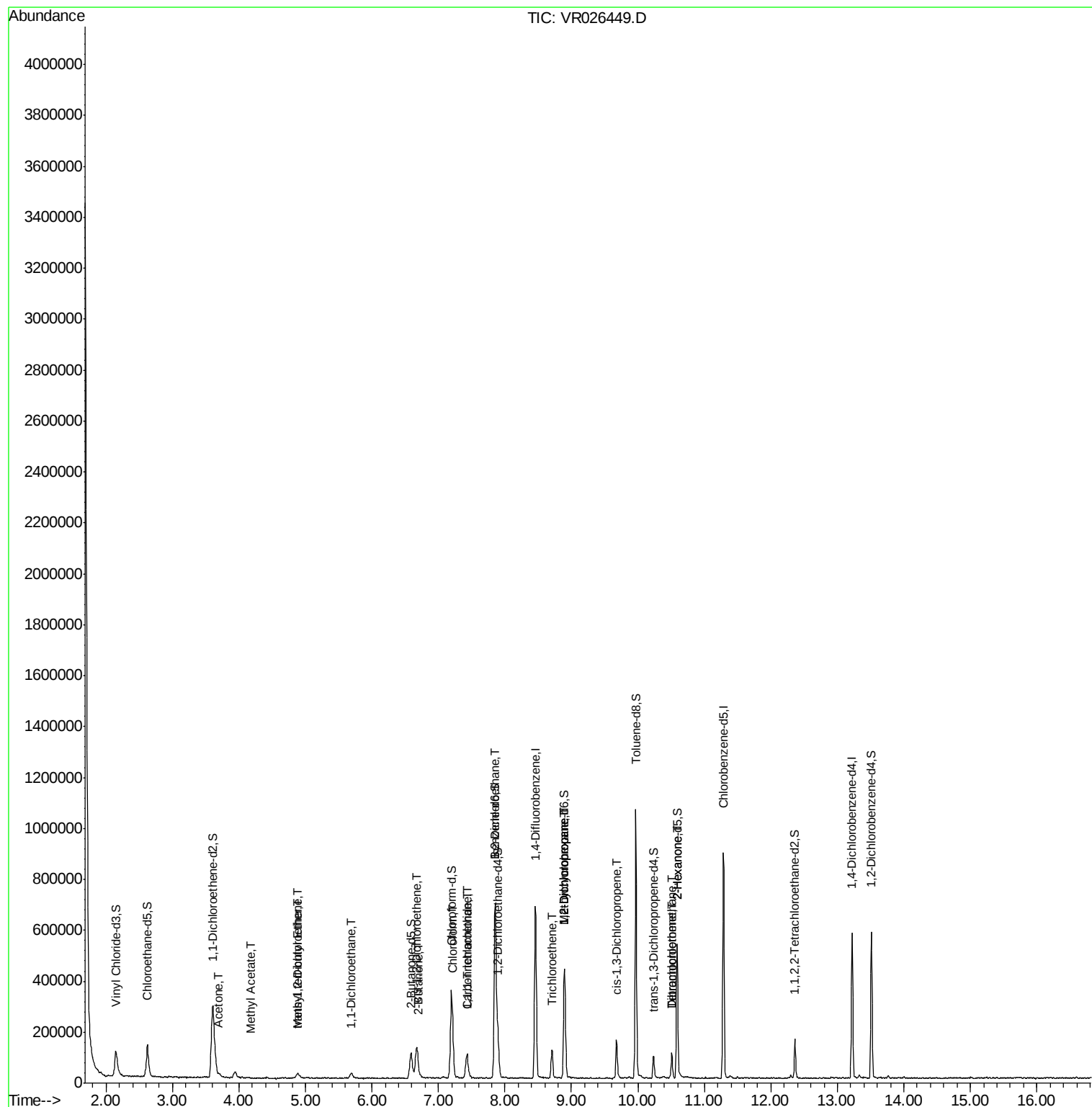
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
49) Dibromochloromethane	10.51	129	13804	0.832	ug/L #	14
-----	-----	-----	-----	-----	-----	-----

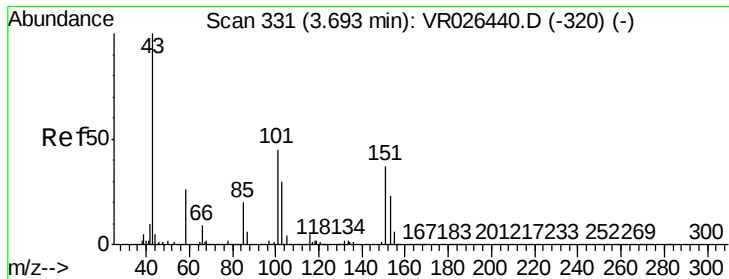
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Apr 05 07:16:54 2019
Response via : Initial Calibration





#13

Acetone

Concen: 6.587 ug/L

RT: 3.69 min Scan# 331

Delta R.T. 0.00 min

Lab File: VR026449.D

Acq: 4 Apr 2019 16:27

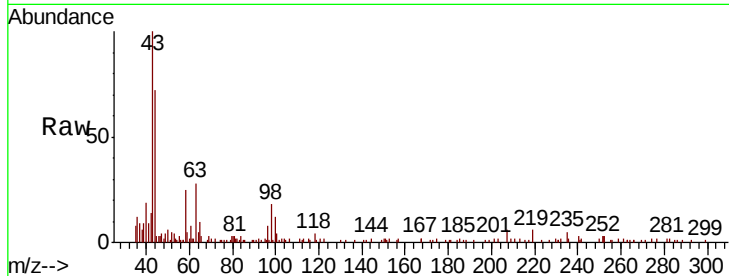
Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 43 Resp: 20257

Ion Ratio Lower Upper

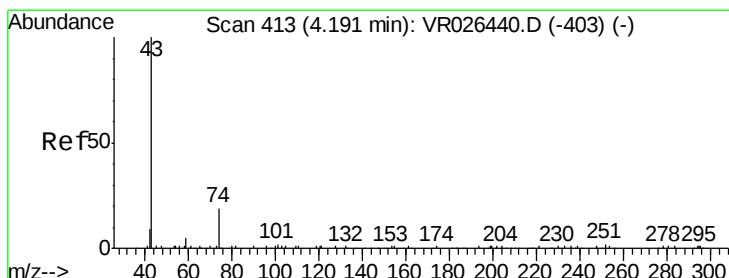
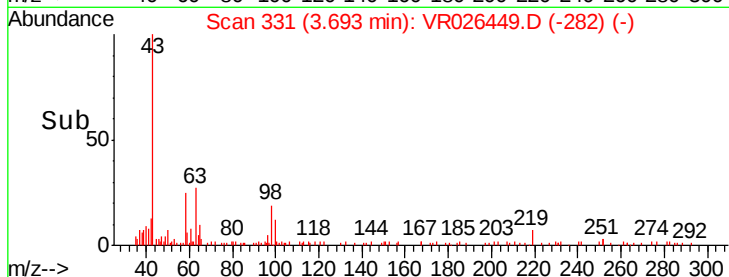
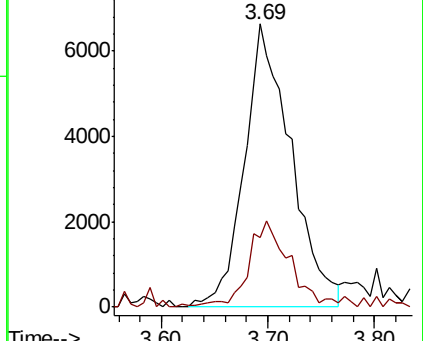
43 100

58 26.4 0.0 53.8



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#15

Methyl Acetate

Concen: 0.091 ug/L

RT: 4.18 min Scan# 411

Delta R.T. -0.01 min

Lab File: VR026449.D

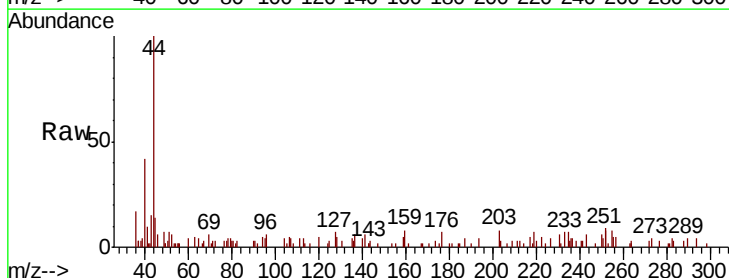
Acq: 4 Apr 2019 16:27

Tgt Ion: 43 Resp: 759

Ion Ratio Lower Upper

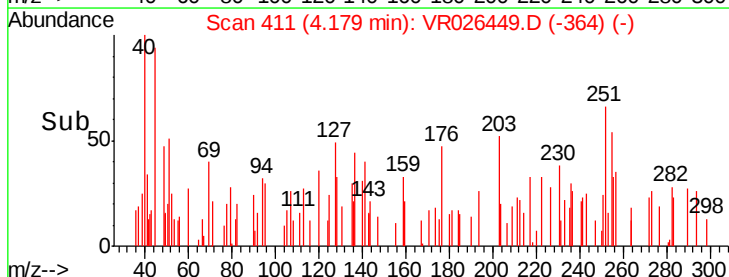
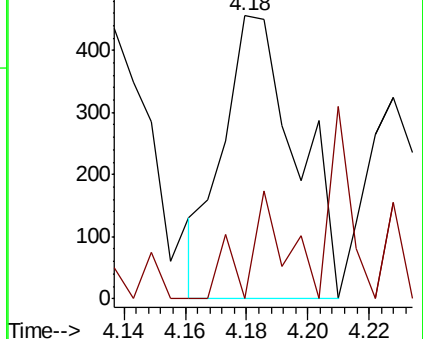
43 100

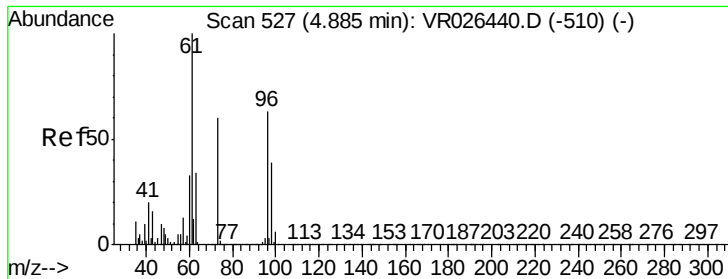
74 15.8 17.5 26.3#



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 74.05 (73.75 to 74.75): VR0

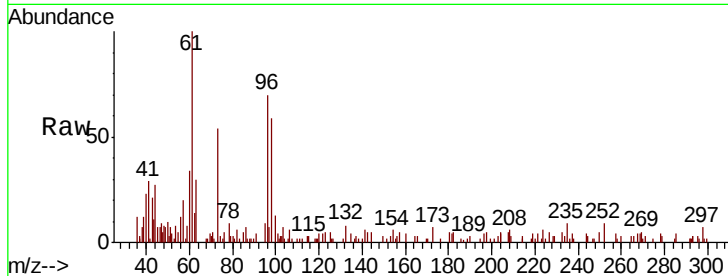




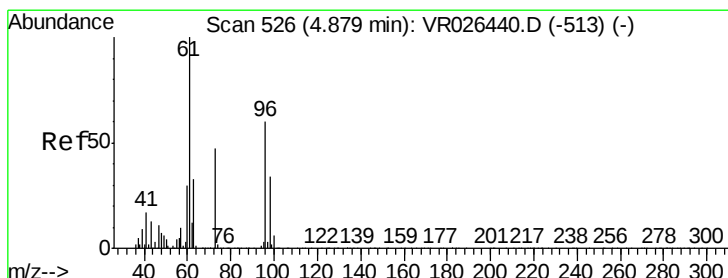
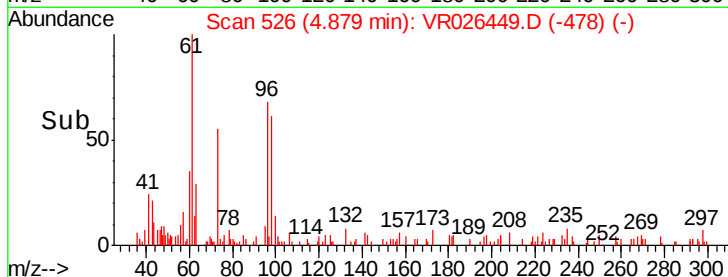
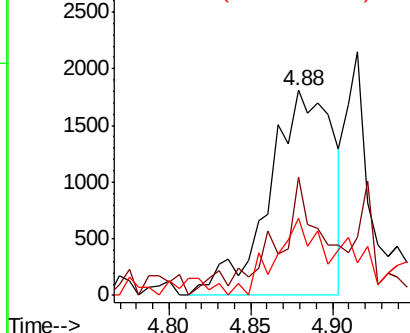
#17
Methvl tert-butvl Ether
Concen: 0.109 ug/L
RT: 4.88 min Scan# 526
Delta R.T. -0.01 min
Lab File: VR026449.D
Acq: 4 Apr 2019 16:27

Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 73 Resp: 4925
Ion Ratio Lower Upper
73 100
43 37.1 19.8 29.8#
57 25.9 18.9 28.3

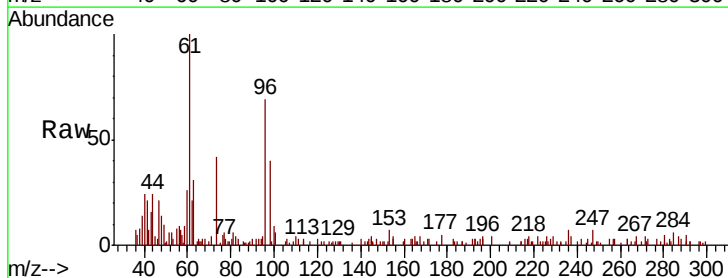


Abundance Ion 73.10 (72.80 to 73.80): VR0
Ion 43.05 (42.75 to 43.75): VR0
Ion 57.10 (56.80 to 57.80): VR0

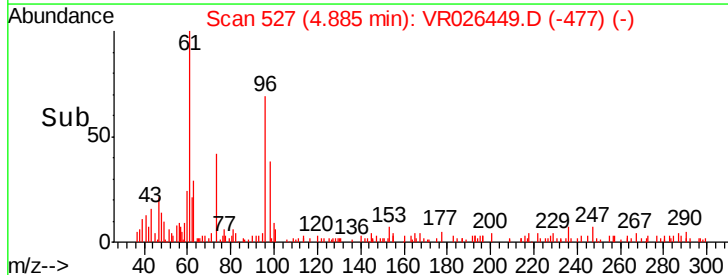
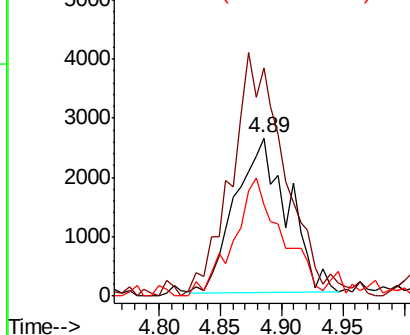


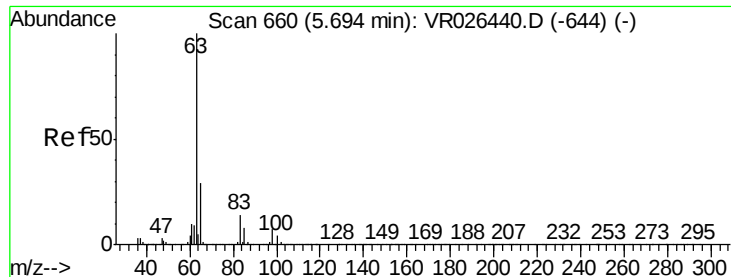
#18
trans-1,2-Dichloroethene
Concen: 0.209 ug/L
RT: 4.89 min Scan# 527
Delta R.T. 0.01 min
Lab File: VR026449.D
Acq: 4 Apr 2019 16:27

Tgt Ion: 96 Resp: 7872
Ion Ratio Lower Upper
96 100
61 144.4 122.9 228.3
98 58.0 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





#19

1,1-Dichloroethane

Concen: 0.372 ug/L

RT: 5.69 min Scan# 659

Delta R.T. -0.01 min

Lab File: VR026449.D

Acq: 4 Apr 2019 16:27

Instrument :

MSVOA_R

ClientSampled :

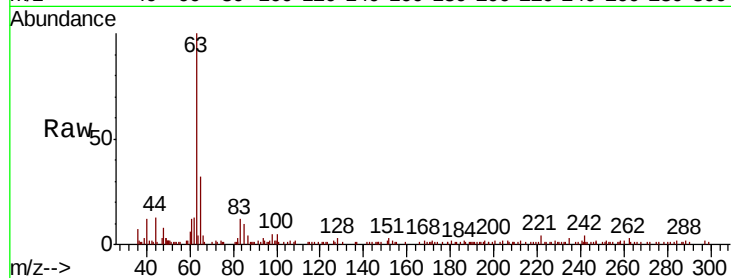
Tot Ion: 63 Resp: 25988

Ion Ratio Lower Upper

63 100

65 31.5 22.0 40.8

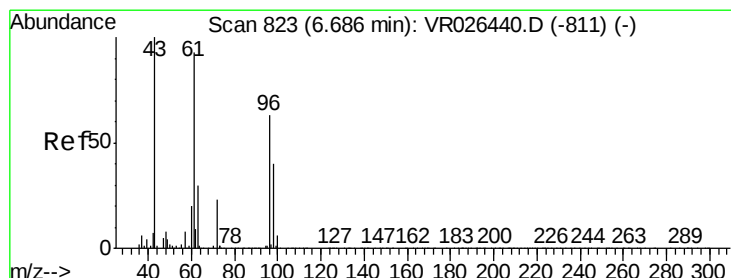
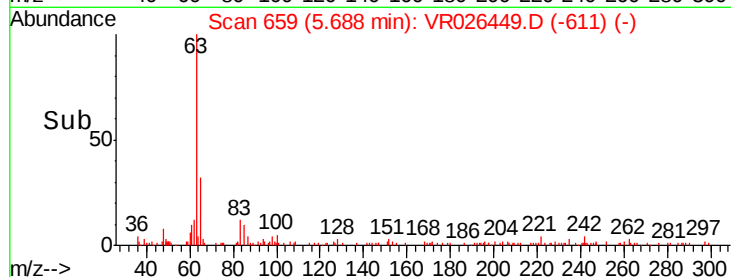
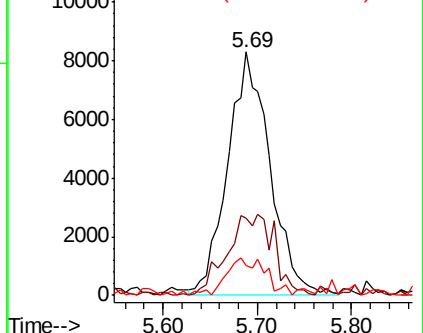
83 12.4 8.2 15.2



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



#21

2-Butanone

Concen: 1.633 ug/L

RT: 6.70 min Scan# 825

Delta R.T. 0.01 min

Lab File: VR026449.D

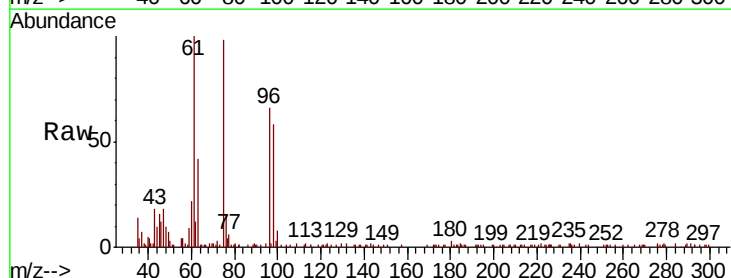
Acq: 4 Apr 2019 16:27

Tgt Ion: 43 Resp: 6456

Ion Ratio Lower Upper

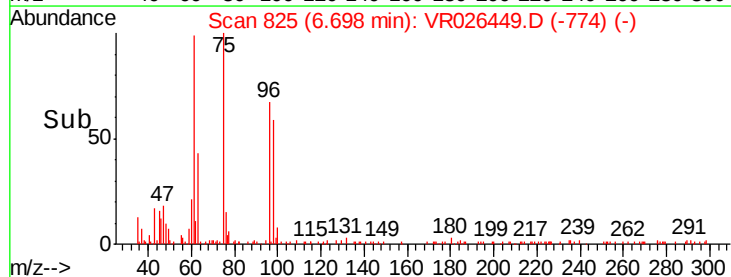
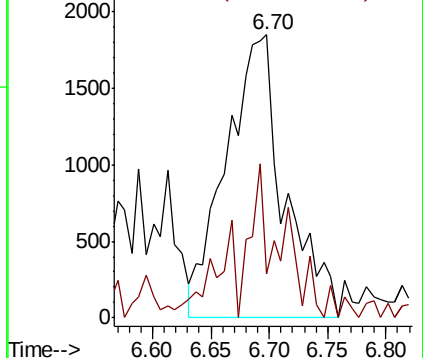
43 100

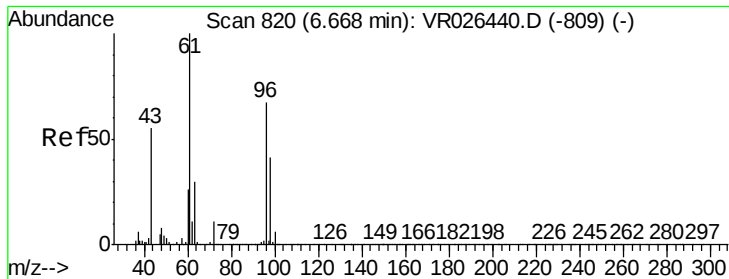
72 18.2 11.1 33.3



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 72.10 (71.80 to 72.80): VR0



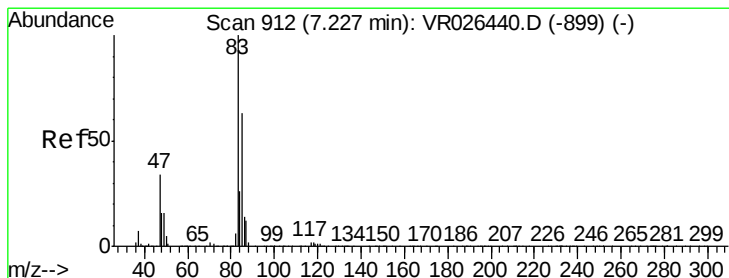
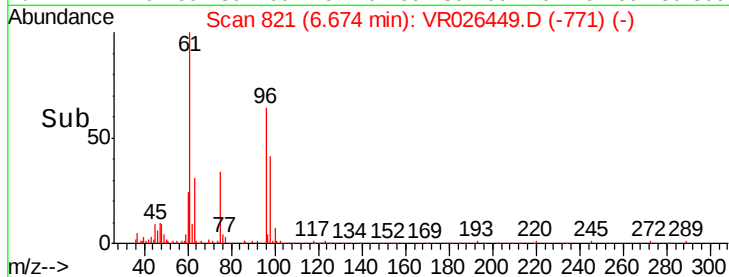
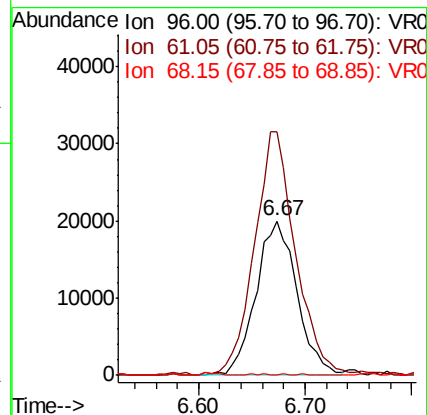
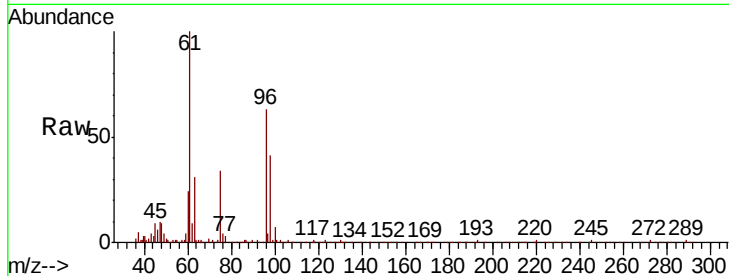


#22

cis-1,2-Dichloroethene
 Concen: 1.719 ug/L
 RT: 6.67 min Scan# 821
 Delta R.T. 0.01 min
 Lab File: VR026449.D
 Acq: 4 Apr 2019 16:27

Instrument :
 MSVOA_R
 ClientSampleId :

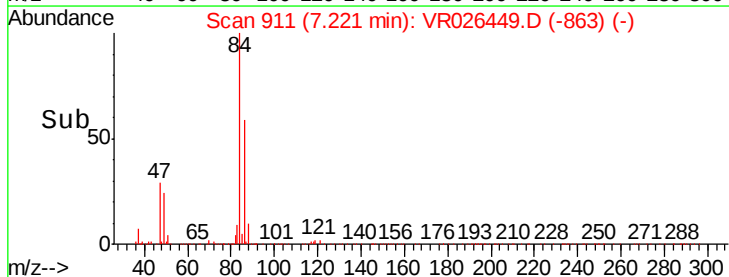
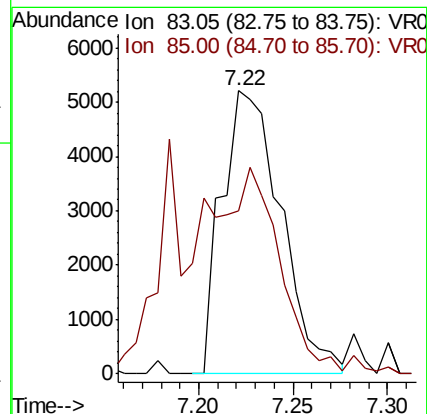
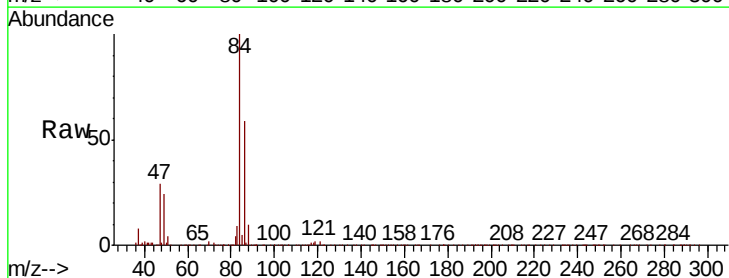
Tot Ion	96	Resp	53757
Ion	Ratio	Lower	Upper
96	100		
61	157.7	115.0	213.6
68	0.0	0.0	0.0

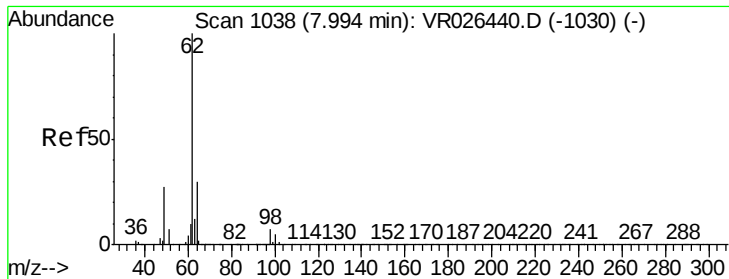


#25

Chloroform
 Concen: 0.169 ug/L
 RT: 7.22 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: VR026449.D
 Acq: 4 Apr 2019 16:27

Tgt Ion	83	Resp	11325
Ion	Ratio	Lower	Upper
83	100		
85	57.7	44.2	82.0





#27

1,2-Dichloroethane

Concen: 0.130 ug/L

RT: 7.85 min Scan# 1015

Delta R.T. -0.14 min

Lab File: VR026449.D

Acq: 4 Apr 2019 16:27

Instrument :

MSVOA_R

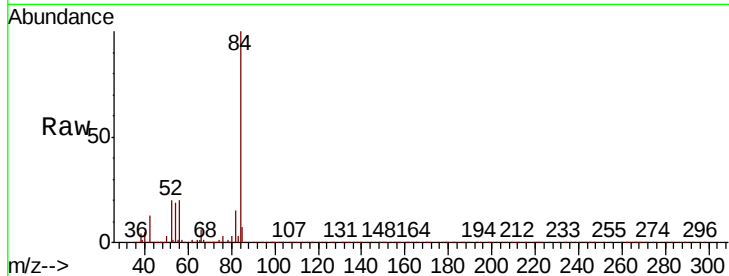
ClientSampleId :

Tot Ion: 62 Resp: 4343

Ion Ratio Lower Upper

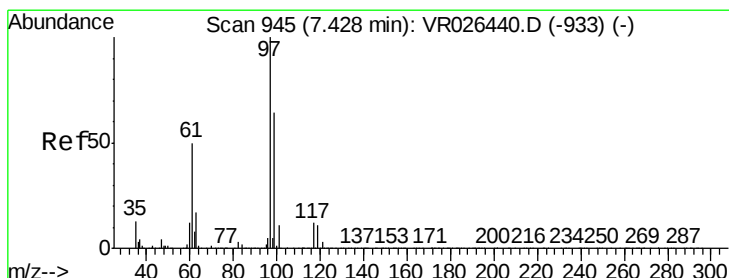
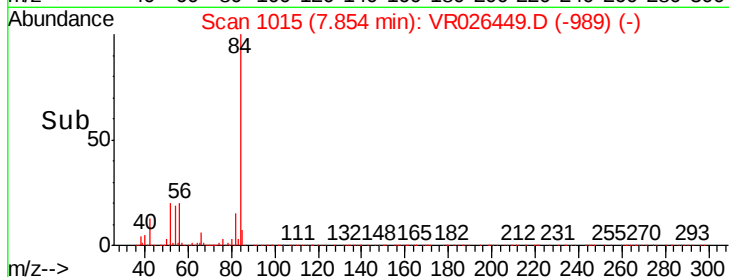
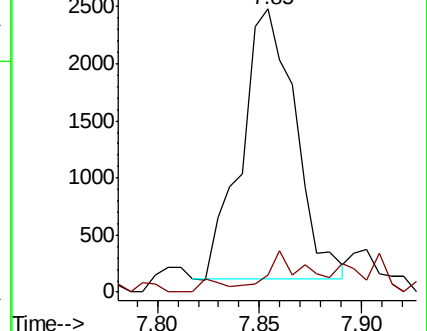
62 100

98 6.1 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: 1.323 ug/L

RT: 7.43 min Scan# 945

Delta R.T. 0.00 min

Lab File: VR026449.D

Acq: 4 Apr 2019 16:27

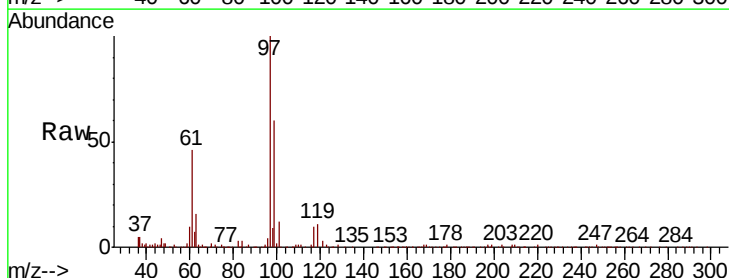
Tgt Ion: 97 Resp: 79844

Ion Ratio Lower Upper

97 100

99 65.0 49.6 74.4

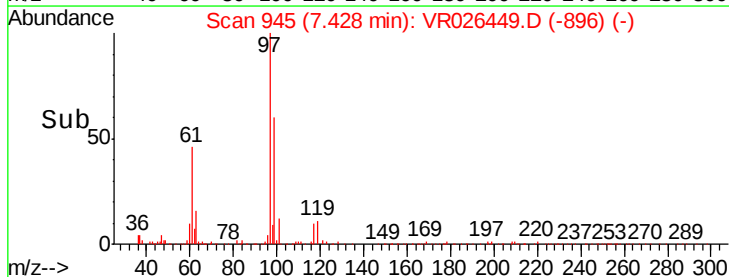
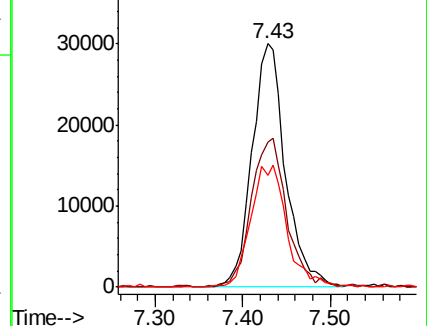
61 54.2 41.8 62.6

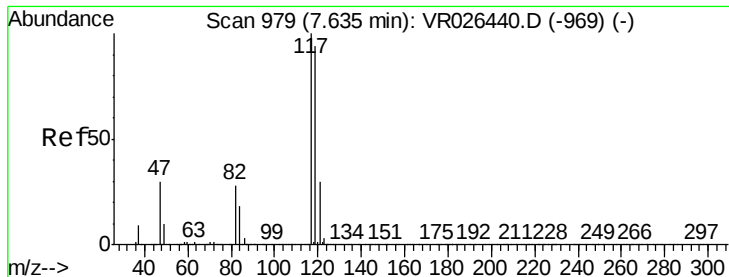


Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 61.05 (60.75 to 61.75): VR0



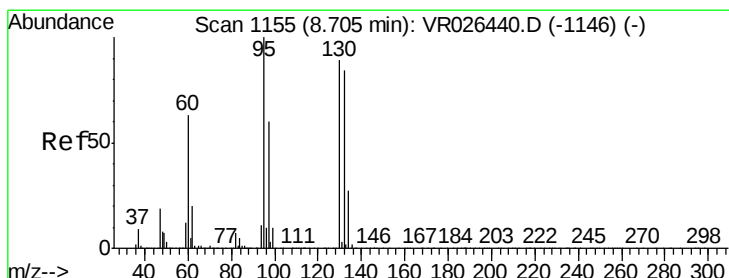
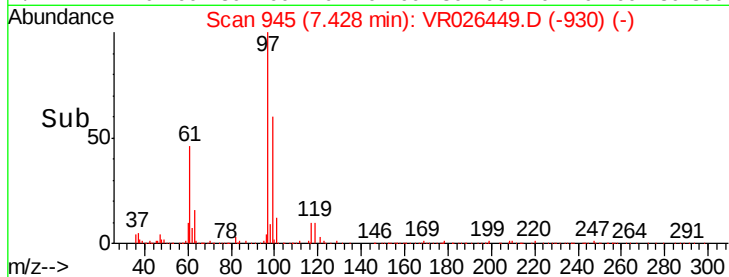
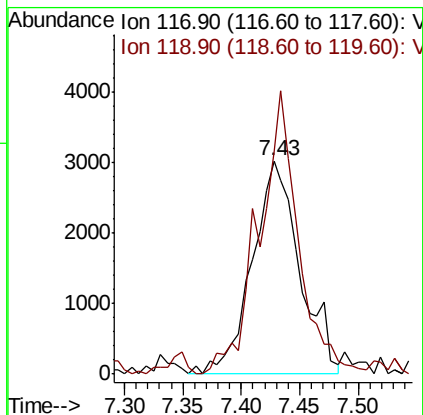
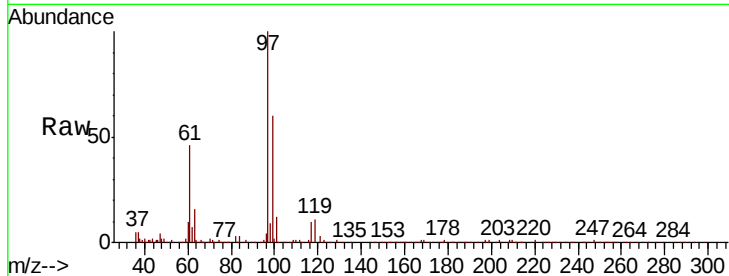


#31

Carbon tetrachloride
Concen: 0.150 ug/L
RT: 7.43 min Scan# 945
Delta R.T. -0.21 min
Lab File: VR026449.D
Acq: 4 Apr 2019 16:27

Instrument :
MSVOA_R
ClientSampleId :

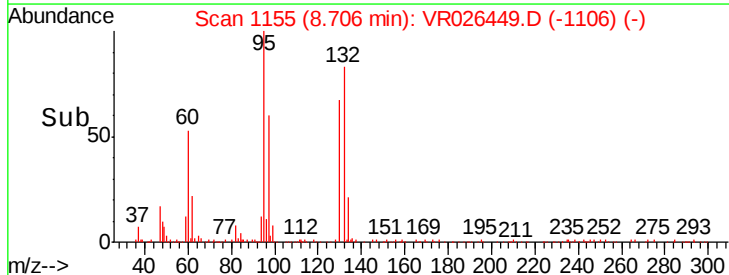
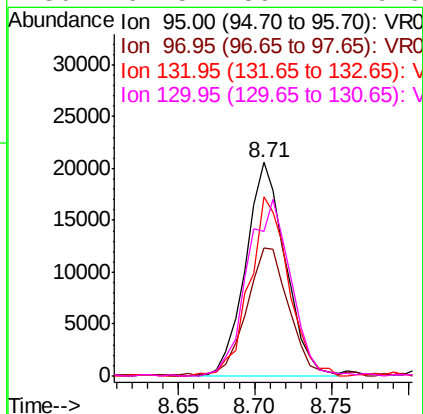
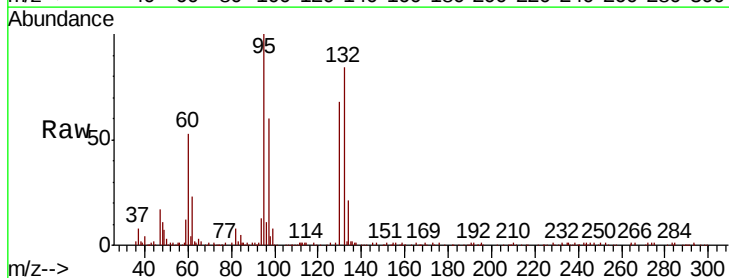
Tot Ion:117 Resp: 8586
Ion Ratio Lower Upper
117 100
119 110.4 75.9 113.9

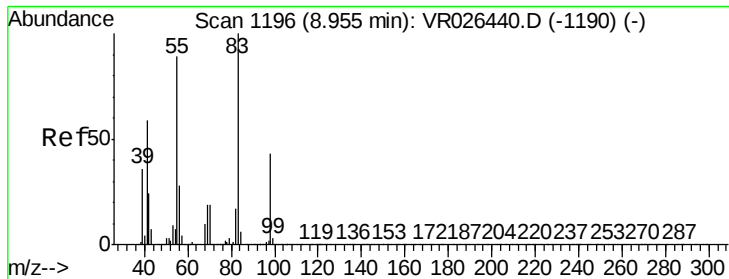


#34

Trichloroethene
Concen: 0.971 ug/L
RT: 8.71 min Scan# 1155
Delta R.T. 0.00 min
Lab File: VR026449.D
Acq: 4 Apr 2019 16:27

Tgt Ion: 95 Resp: 37192
Ion Ratio Lower Upper
95 100
97 60.1 43.8 81.3
132 83.7 57.2 106.2
130 67.5 59.7 110.9

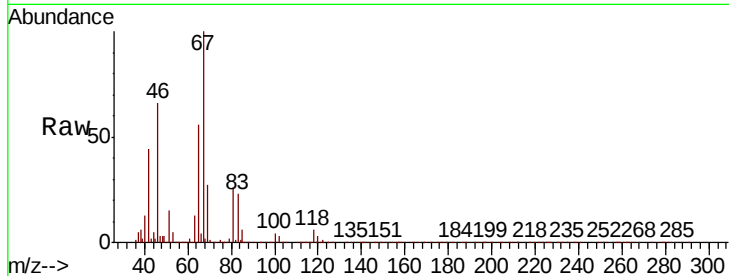




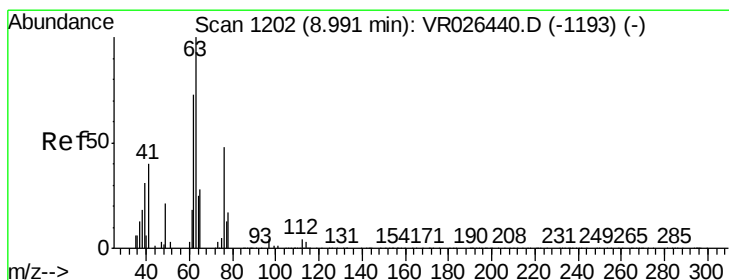
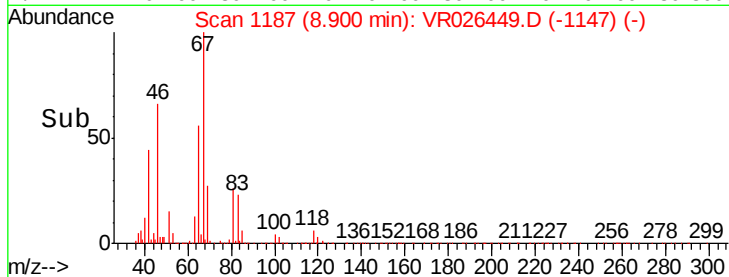
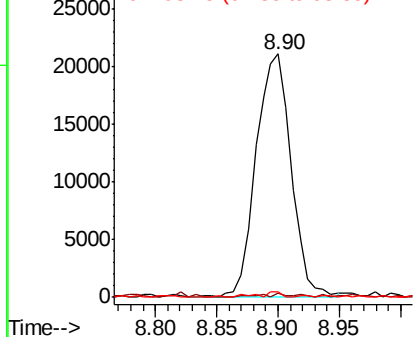
#35
Methvlcvclohexane
Concen: 0.773 ug/L
RT: 8.90 min Scan# 1187
Delta R.T. -0.05 min
Lab File: VR026449.D
Acq: 4 Apr 2019 16:27

Instrument :
MSVOA_R
ClientSampled :

Tot Ion	83	Resp	42185
Ion Ratio	Lower	Upper	
83	100		
55	0.6	73.8	110.6#
98	1.5	34.6	51.8#

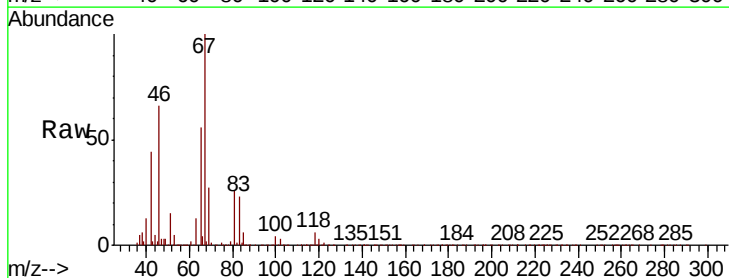


Abundance Ion 83.15 (82.85 to 83.85): VR0
Ion 55.10 (54.80 to 55.80): VR0
Ion 98.15 (97.85 to 98.85): VR0

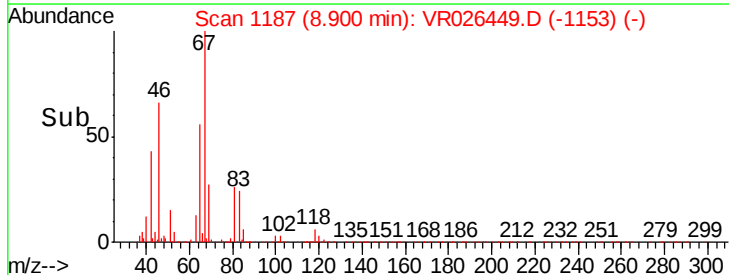
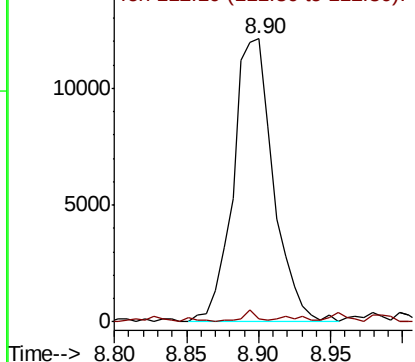


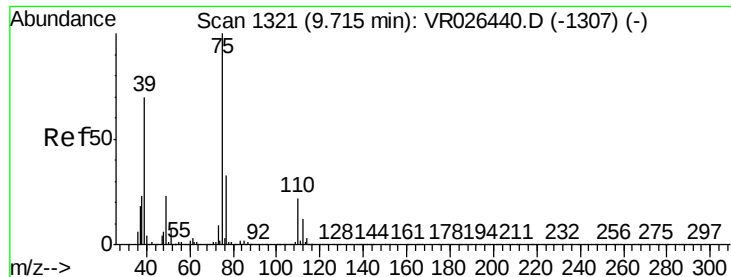
#37
1,2-Dichloropropane
Concen: 0.749 ug/L
RT: 8.90 min Scan# 1187
Delta R.T. -0.09 min
Lab File: VR026449.D
Acq: 4 Apr 2019 16:27

Tgt Ion	63	Resp	23451
Ion Ratio	Lower	Upper	
63	100		
112	1.5	2.8	4.2#



Abundance Ion 63.10 (62.80 to 63.80): VR0
Ion 112.10 (111.80 to 112.80): V



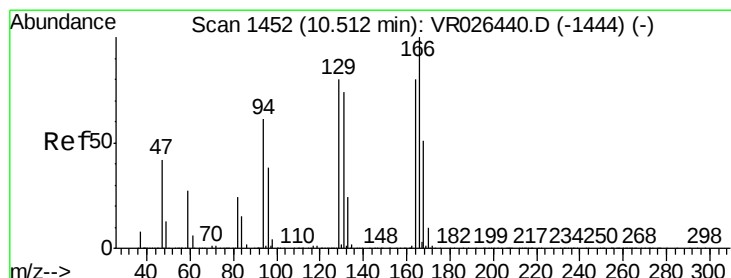
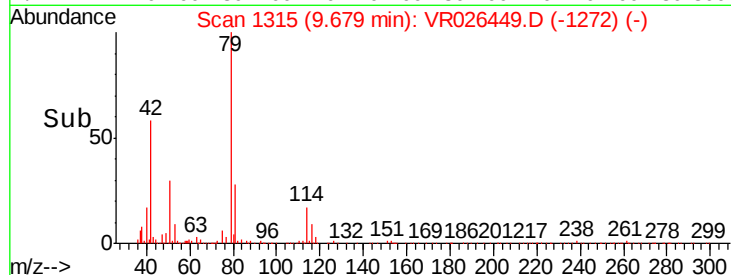
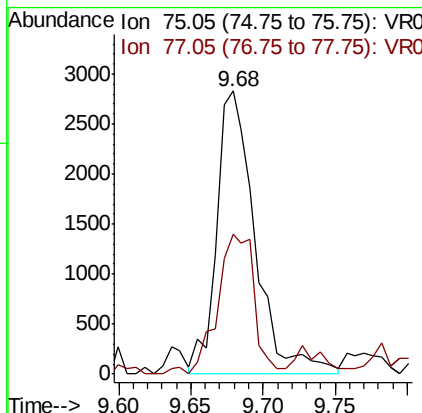
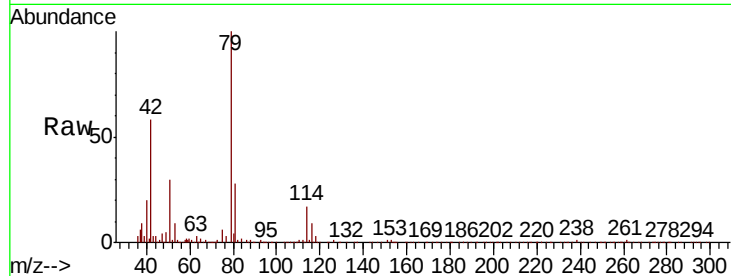


#39

cis-1,3-Dichloropropene
Concen: 0.155 ug/L
RT: 9.68 min Scan# 1315
Delta R.T. -0.04 min
Lab File: VR026449.D
Acq: 4 Apr 2019 16:27

Instrument :
MSVOA_R
ClientSampleId :

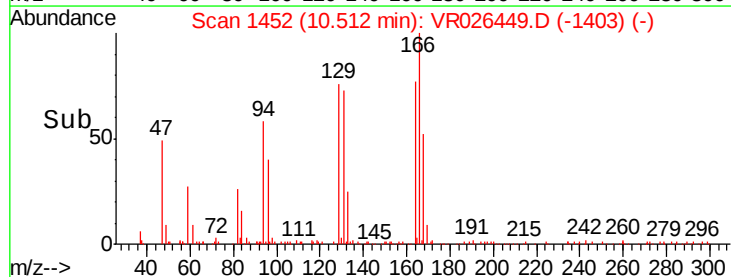
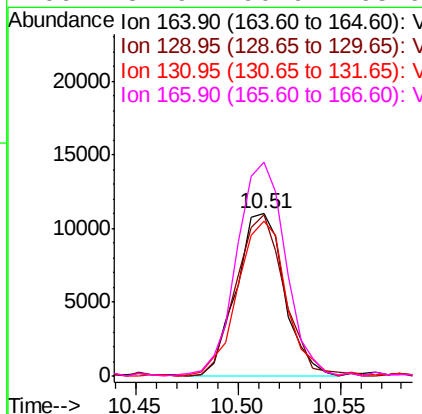
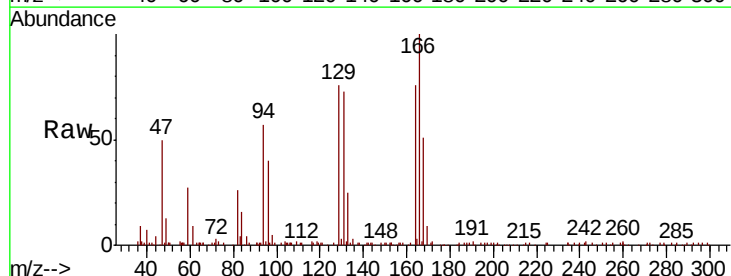
Tot Ion: 75 Resp: 5280
Ion Ratio Lower Upper
75 100
77 49.5 22.3 41.5#

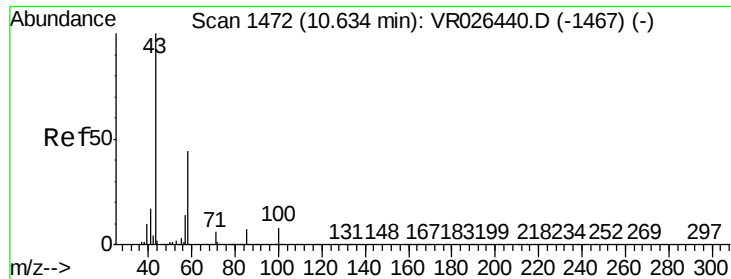


#47

Tetrachloroethene
Concen: 0.661 ug/L
RT: 10.51 min Scan# 1452
Delta R.T. 0.00 min
Lab File: VR026449.D
Acq: 4 Apr 2019 16:27

Tgt Ion:164 Resp: 18022
Ion Ratio Lower Upper
164 100
129 99.7 74.1 137.5
131 95.7 71.3 132.5
166 131.9 90.9 168.9

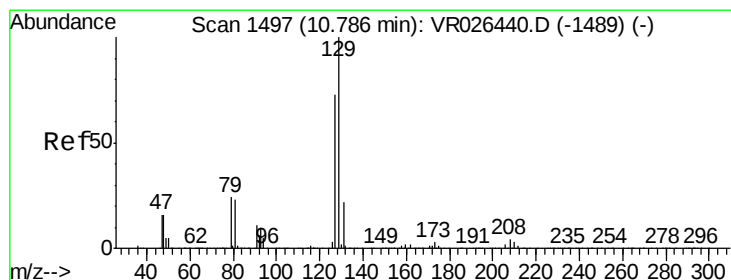
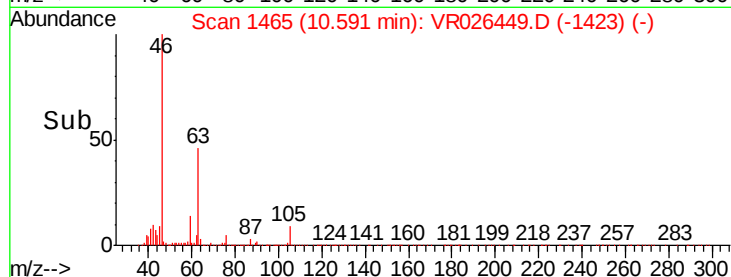
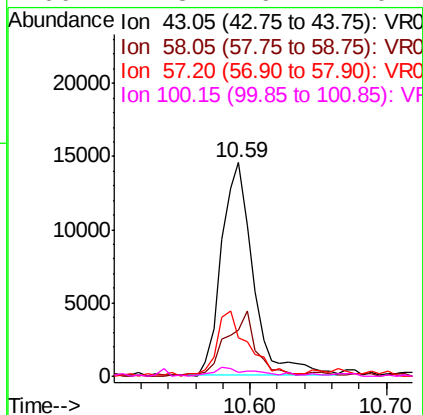
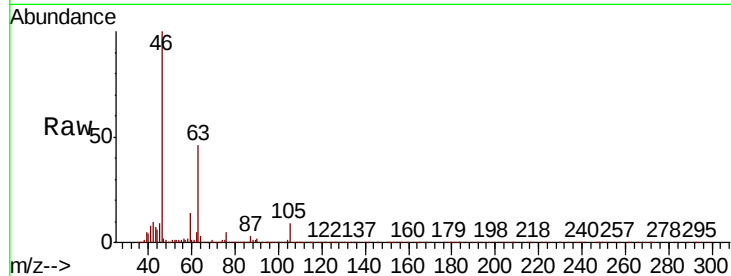




#48
2-Hexanone
Concen: 3.844 ug/L
RT: 10.59 min Scan# 1465
Delta R.T. -0.04 min
Lab File: VR026449.D
Acq: 4 Apr 2019 16:27

Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 43 Resp: 23469
Ion Ratio Lower Upper
43 100
58 29.0 38.2 57.2#
57 31.0 13.8 20.6#
100 4.8 6.2 9.2#



#49
Dibromochloromethane
Concen: 0.832 ug/L
RT: 10.51 min Scan# 1452
Delta R.T. -0.27 min
Lab File: VR026449.D
Acq: 4 Apr 2019 16:27

Tgt Ion: 129 Resp: 13804
Ion Ratio Lower Upper
129 100
127 0.0 50.2 93.2#

