

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR021119\
 Data File : VR026309.D
 Acq On : 11 Feb 2019 15:17
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VICV86

Quant Time: Feb 14 06:47:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR021119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Feb 14 06:33:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	589512	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	485755	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	197042	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.17	65	260370	4.84	ug/L	0.01
7) Chloroethane-d5	2.63	69	211055	4.80	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.61	63	613363	4.75	ug/L	0.00
20) 2-Butanone-d5	6.59	46	170726	49.81	ug/L	0.00
24) Chloroform-d	7.20	84	416667	4.67	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.89	65	155219	4.77	ug/L	0.00
32) Benzene-d6	7.85	84	830282	5.01	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.89	67	200296	4.71	ug/L	0.00
41) Toluene-d8	9.97	98	796999	5.15	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.23	79	56348	4.92	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	147250	56.68	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	76426	4.74	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.51	152	152265	4.62	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.82	85	270065	4.972 ug/L	98
3) Chloromethane	2.01	50	307418	4.957 ug/L	96
5) Vinyl chloride	2.17	62	310974	4.977 ug/L	98
6) Bromomethane	2.52	94	195139	4.856 ug/L	95
8) Chloroethane	2.66	64	182749	4.869 ug/L	97
9) Trichlorofluoromethane	2.93	101	487123	4.815 ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	255038	4.766 ug/L	99
12) 1,1-Dichloroethene	3.62	96	266002	4.723 ug/L	84
13) Acetone	3.70	43	170186	47.083 ug/L	99
14) Carbon disulfide	3.92	76	889504	4.830 ug/L	100
15) Methyl Acetate	4.19	43	47484	4.773 ug/L	99
16) Methylene chloride	4.40	84	218488	4.582 ug/L	97
17) Methyl tert-butyl Ether	4.89	73	246867	4.992 ug/L	98
18) trans-1,2-Dichloroethene	4.88	96	245722	4.807 ug/L	98
19) 1,1-Dichloroethane	5.69	63	419970	4.786 ug/L	97
21) 2-Butanone	6.69	43	214097	52.321 ug/L	99
22) cis-1,2-Dichloroethene	6.67	96	214452	5.201 ug/L	# 93
23) Bromochloromethane	7.05	128	59816	4.651 ug/L	98
25) Chloroform	7.23	83	399771	4.690 ug/L	100
27) 1,2-Dichloroethane	7.99	62	177461	4.813 ug/L	98
29) 1,1,1-Trichloroethane	7.43	97	389667	4.873 ug/L	98
30) Cyclohexane	7.51	56	378268	5.908 ug/L	99
31) Carbon tetrachloride	7.63	117	357401	4.822 ug/L	99
33) Benzene	7.90	78	955827	4.973 ug/L	100
34) Trichloroethene	8.71	95	239701	4.837 ug/L	98
35) Methylcyclohexane	8.95	83	388040	5.631 ug/L	100
37) 1,2-Dichloropropane	8.99	63	192932	4.649 ug/L	99
38) Bromodichloromethane	9.28	83	222240	4.802 ug/L	99
39) cis-1,3-Dichloropropene	9.72	75	228037	5.340 ug/L	100
40) 4-Methyl-2-pentanone	9.86	43	540495	56.499 ug/L	99

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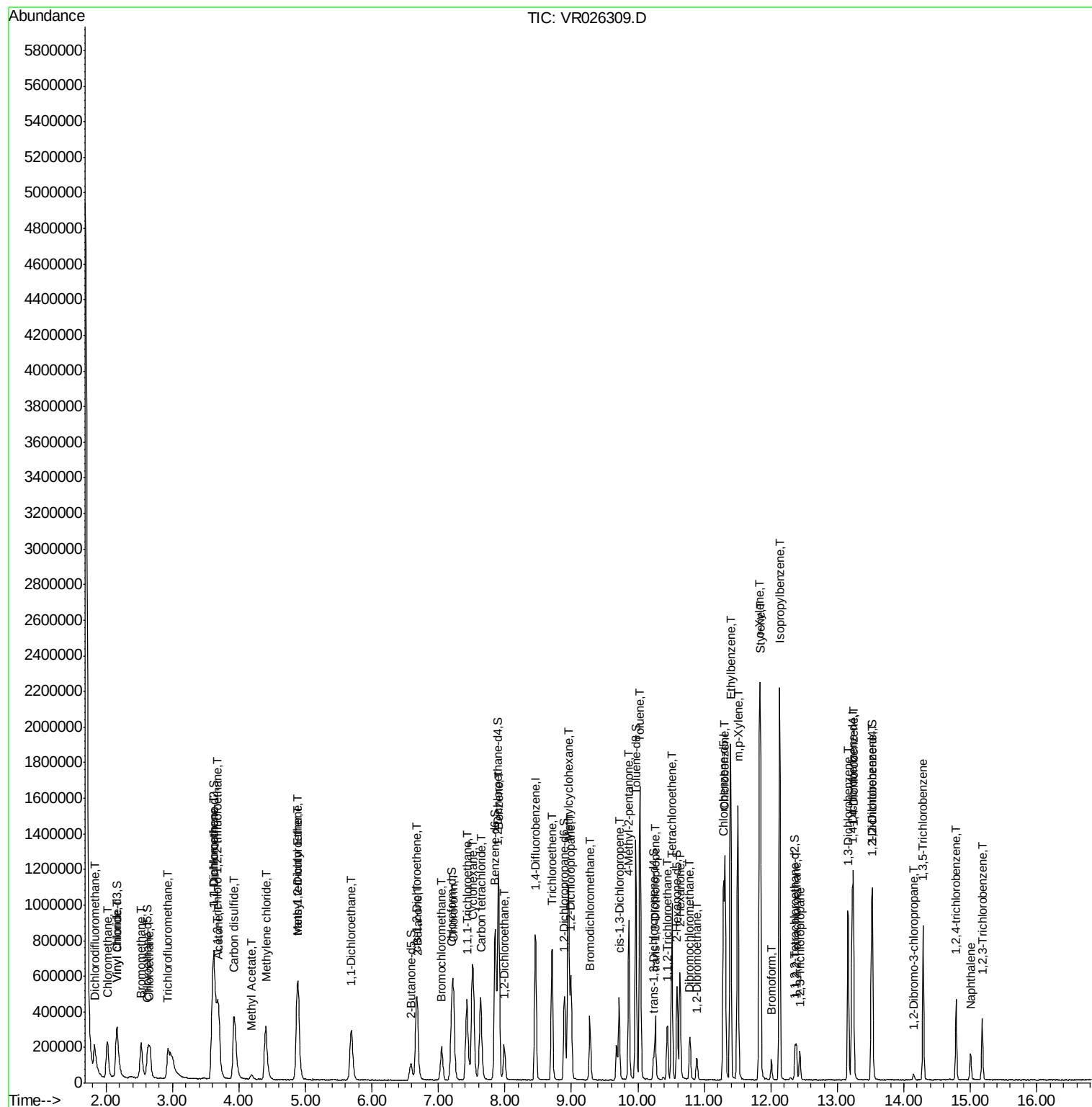
42) Toluene	10.03	91	1019367	5.160	ug/L	99
44) trans-1,3-Dichloropropene	10.26	75	161389	5.094	ug/L	99
45) 1,1,2-Trichloroethane	10.45	97	82627	4.768	ug/L	93
47) Tetrachloroethene	10.51	164	186003	4.891	ug/L	93
48) 2-Hexanone	10.63	43	361782	56.242	ug/L	97
49) Dibromochloromethane	10.78	129	104477	4.691	ug/L	91
50) 1,2-Dibromoethane	10.88	107	71168	5.165	ug/L #	88
51) Chlorobenzene	11.31	112	542593	4.804	ug/L	100
52) Ethylbenzene	11.39	91	1153906	5.225	ug/L	99
53) m,p-Xylene	11.50	106	429755	5.325	ug/L	97
54) o-Xylene	11.83	106	382195	5.491	ug/L	98
55) Styrene	11.84	104	597824	5.468	ug/L	100
56) Isopropylbenzene	12.13	105	1131940	5.721	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.38	83	76735	4.780	ug/L	98
59) 1,2,3-Trichloropropane	12.43	75	54139	4.680	ug/L	99
61) Bromoform	12.01	173	44374	4.573	ug/L	99
62) 1,3-Dichlorobenzene	13.16	146	320893	4.986	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	346498	4.716	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	261357	4.739	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.14	75	8146	4.086	ug/L #	67
67) 1,3,5-Trichlorobenzene	14.29	180	209294	5.074	ug/L	99
68) 1,2,4-trichlorobenzene	14.78	180	112823	5.068	ug/L	97
69) Naphthalene	15.00	128	104921	5.252	ug/L	97
70) 1,2,3-Trichlorobenzene	15.18	180	87387	5.439	ug/L	99

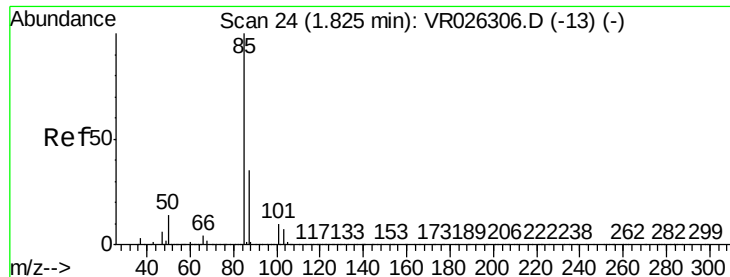
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.972 ug/L

RT: 1.82 min Scan# 24

Delta R.T. -0.00 min

Lab File: VR026309.D

Acq: 11 Feb 2019 15:17

Instrument :

MSVOA_R

ClientSampleId :

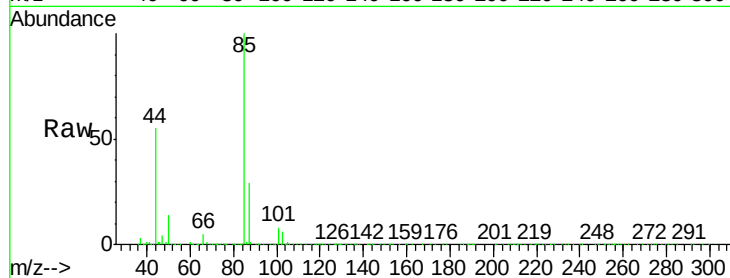
VICV86

Tgt Ion: 85 Resp: 270065

Ion Ratio Lower Upper

85 100

87 31.6 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0

1.82

80000

60000

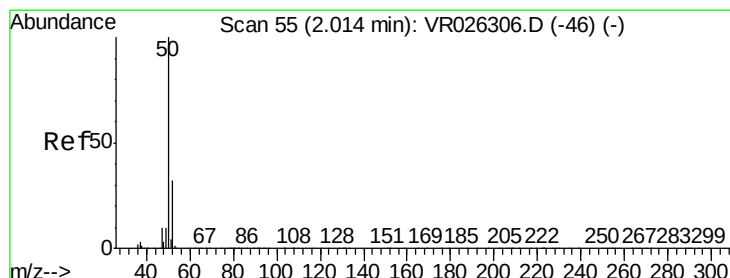
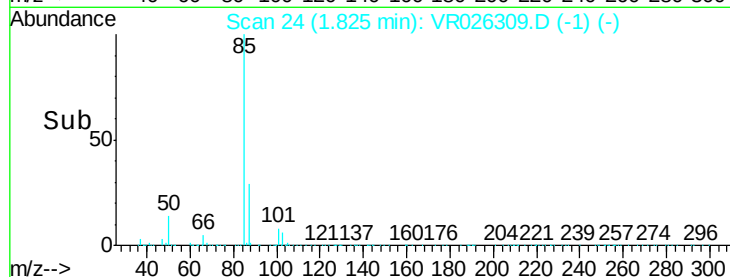
40000

20000

0

1.70 1.80 1.90 2.00

Time-->



#3

Chloromethane

Concen: 4.957 ug/L

RT: 2.01 min Scan# 55

Delta R.T. -0.00 min

Lab File: VR026309.D

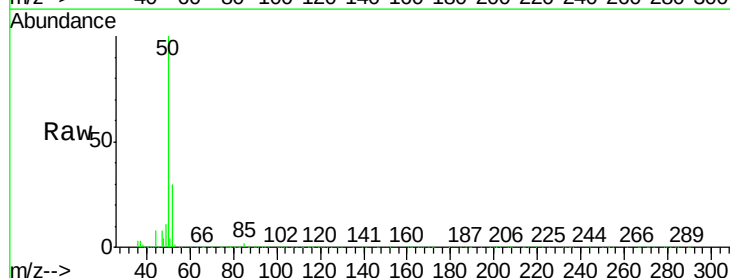
Acq: 11 Feb 2019 15:17

Tgt Ion: 50 Resp: 307418

Ion Ratio Lower Upper

50 100

52 29.6 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0

2.01

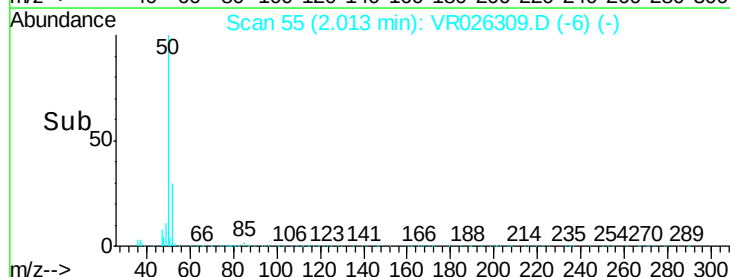
100000

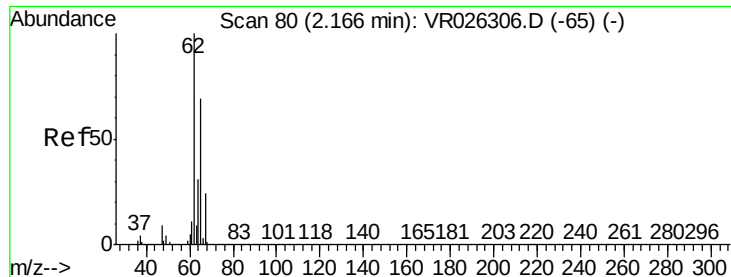
50000

0

1.90 2.00 2.10

Time-->





#5

Vinyl chloride

Concen: 4.977 ug/L

RT: 2.17 min Scan# 80

Delta R.T. -0.00 min

Lab File: VR026309.D

Acq: 11 Feb 2019 15:17

Instrument :

MSVOA_R

ClientSampled :

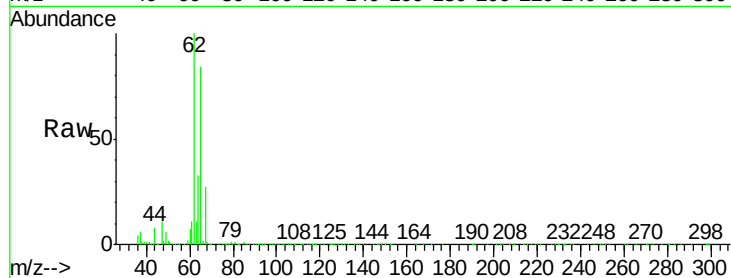
VICV86

Tgt Ion: 62 Resp: 310974

Ion Ratio Lower Upper

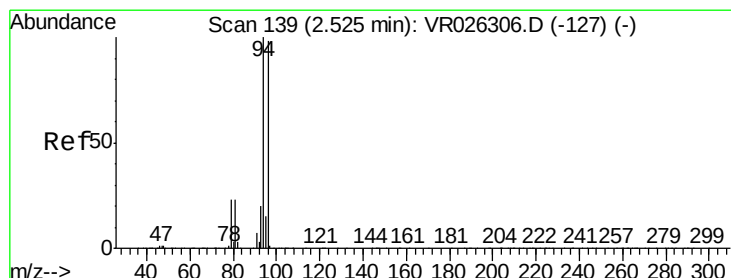
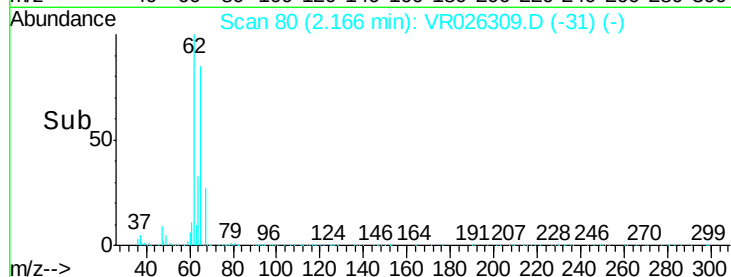
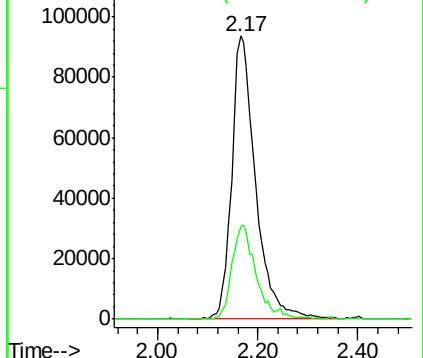
62 100

64 32.9 22.2 41.2



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 64.10 (63.80 to 64.80): VR0



#6

Bromomethane

Concen: 4.856 ug/L

RT: 2.52 min Scan# 139

Delta R.T. -0.00 min

Lab File: VR026309.D

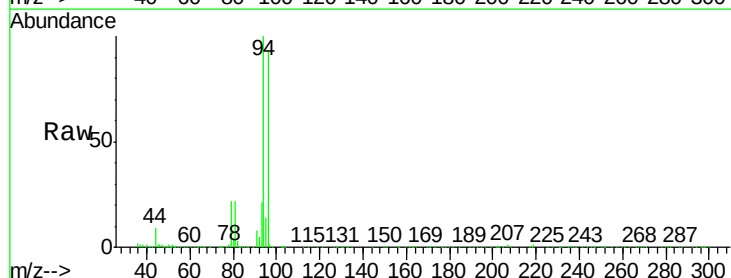
Acq: 11 Feb 2019 15:17

Tgt Ion: 94 Resp: 195139

Ion Ratio Lower Upper

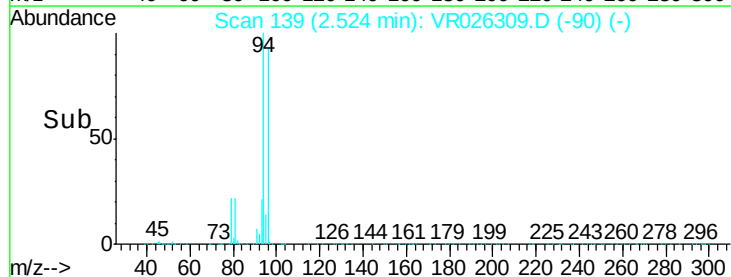
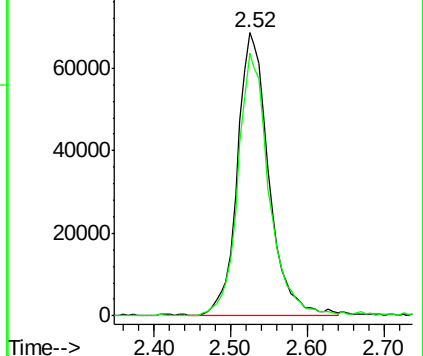
94 100

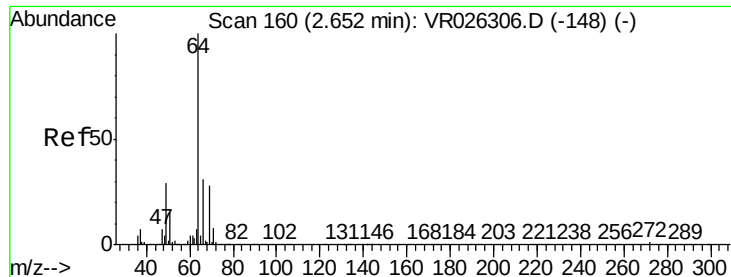
96 92.7 68.6 127.4



Abundance Ion 94.00 (93.70 to 94.70): VR0

Ion 96.00 (95.70 to 96.70): VR0





#8

Chloroethane

Concen: 4.869 ug/L

RT: 2.66 min Scan# 161

Delta R.T. 0.01 min

Lab File: VR026309.D

Acq: 11 Feb 2019 15:17

Instrument :

MSVOA_R

ClientSampleId :

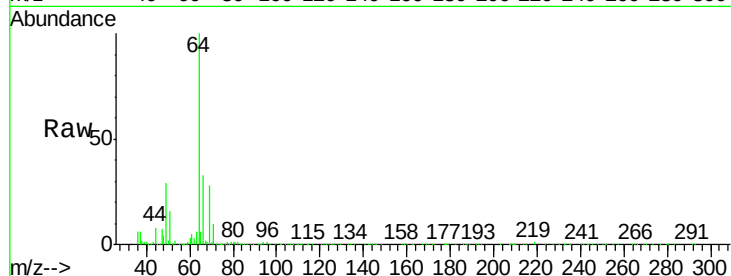
VICV86

Tgt Ion: 64 Resp: 182749

Ion Ratio Lower Upper

64 100

66 33.0 22.0 40.8



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0

2.66

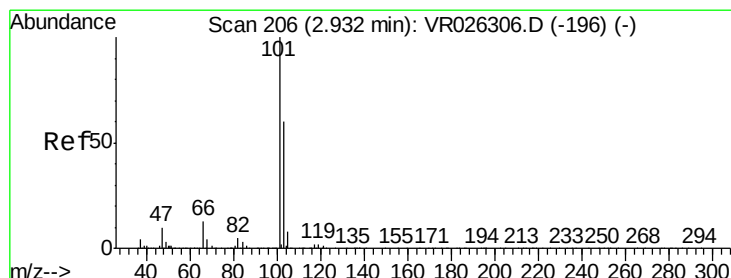
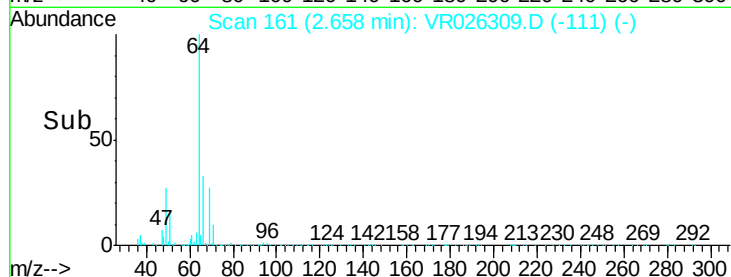
60000

40000

20000

0

Time--> 2.50 2.60 2.70 2.80



#9

Trichlorofluoromethane

Concen: 4.815 ug/L

RT: 2.93 min Scan# 205

Delta R.T. -0.01 min

Lab File: VR026309.D

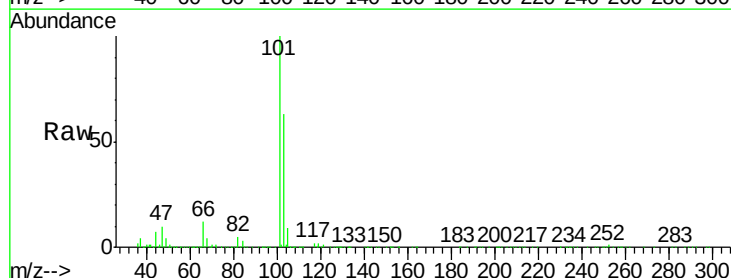
Acq: 11 Feb 2019 15:17

Tgt Ion: 101 Resp: 487123

Ion Ratio Lower Upper

101 100

103 25.2 23.5 35.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

2.93

80000

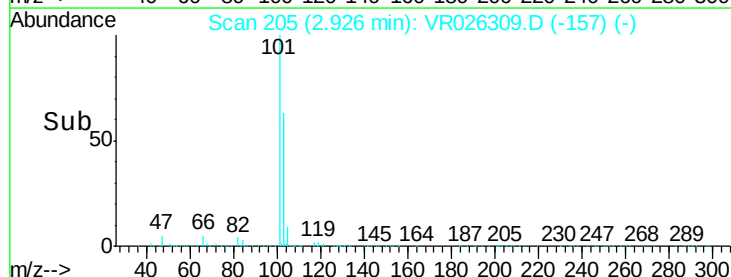
60000

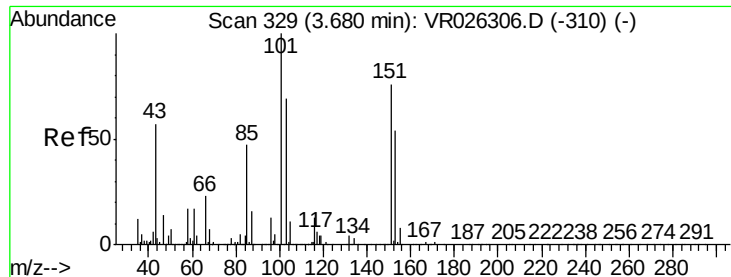
40000

20000

0

Time--> 2.80 3.00 3.20





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 4.766 ug/L

RT: 3.68 min Scan# 329

Delta R.T. -0.00 min

Lab File: VR026309.D

Acq: 11 Feb 2019 15:17

Instrument :

MSVOA_R

ClientSampled :

VICV86

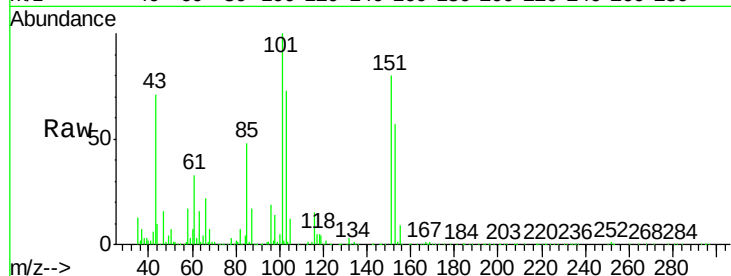
Tgt Ion: 101 Resp: 255038

Ion Ratio Lower Upper

101 100

85 47.9 39.0 58.6

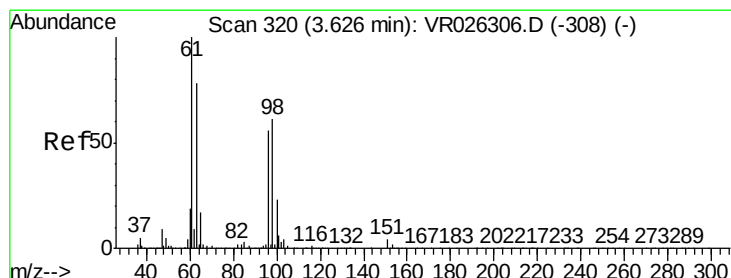
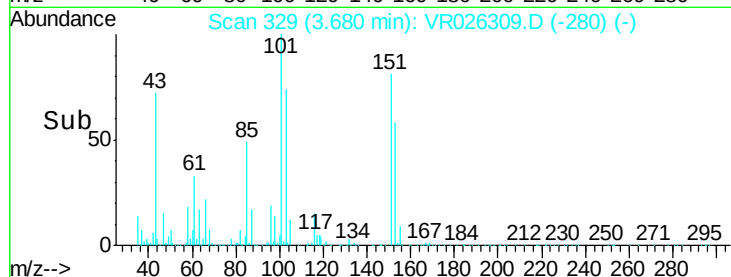
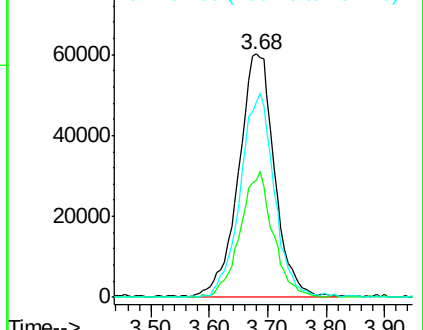
151 79.8 63.1 94.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VR0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.723 ug/L

RT: 3.62 min Scan# 319

Delta R.T. -0.01 min

Lab File: VR026309.D

Acq: 11 Feb 2019 15:17

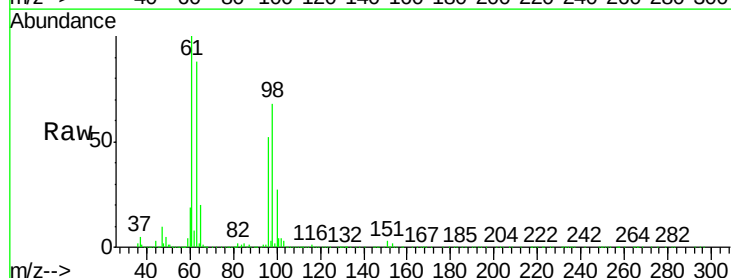
Tgt Ion: 96 Resp: 266002

Ion Ratio Lower Upper

96 100

61 194.0 126.0 234.0

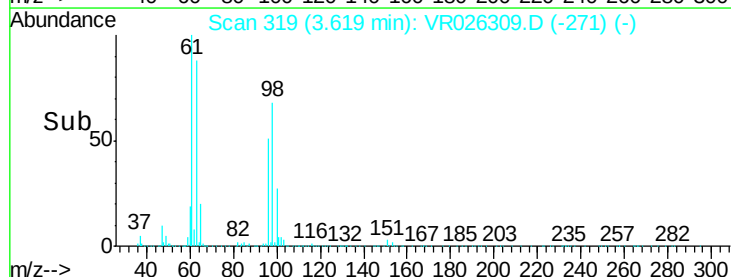
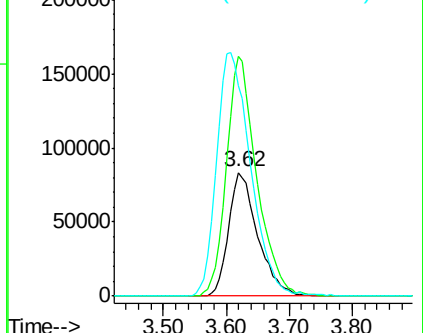
63 170.8 99.7 185.1

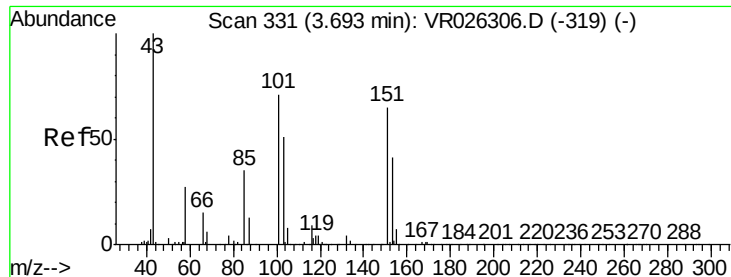


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 47.083 ug/L

RT: 3.70 min Scan# 332

Delta R.T. 0.01 min

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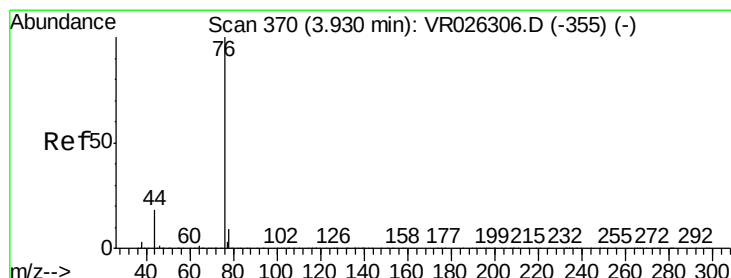
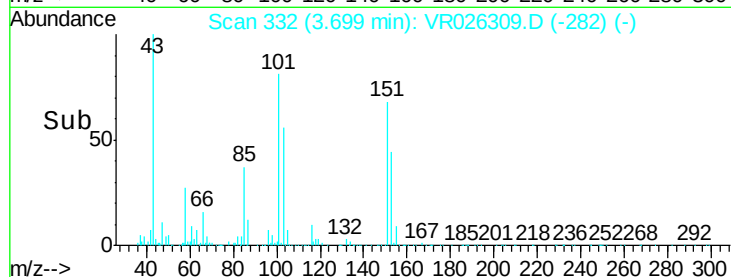
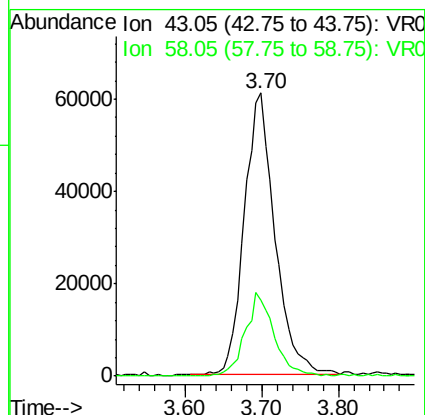
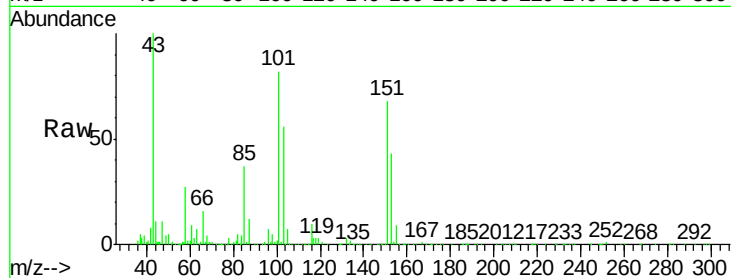
VICV86

Tgt Ion: 43 Resp: 170186

Ion Ratio Lower Upper

43 100

58 27.7 0.0 56.6



#14

Carbon disulfide

Concen: 4.830 ug/L

RT: 3.92 min Scan# 369

Delta R.T. -0.01 min

Lab File: VR026309.D

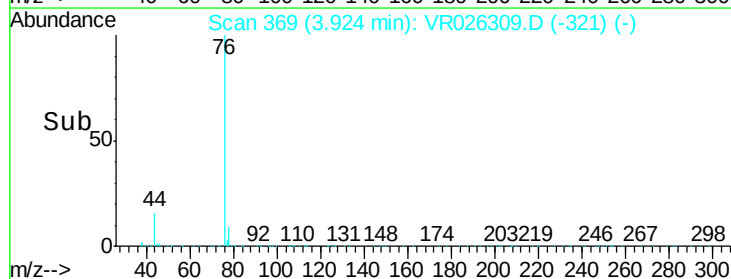
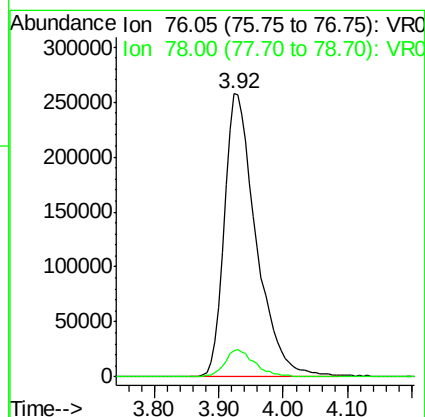
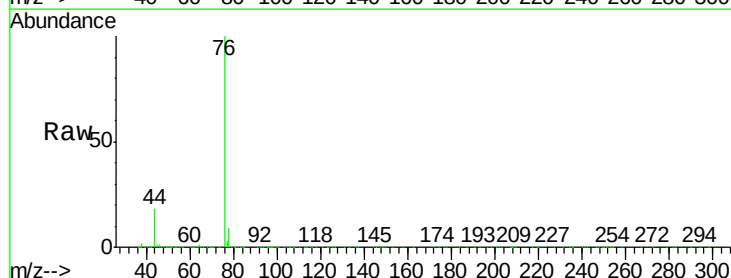
Acq: 11 Feb 2019 15:17

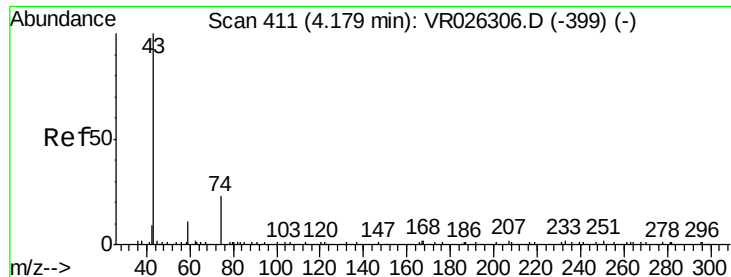
Tgt Ion: 76 Resp: 889504

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8





#15

Methyl Acetate

Concen: 4.773 ug/L

RT: 4.19 min Scan# 412

Delta R.T. 0.01 min

Lab File: VR026309.D

Acq: 11 Feb 2019 15:17

Instrument :

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ClientSampleId :

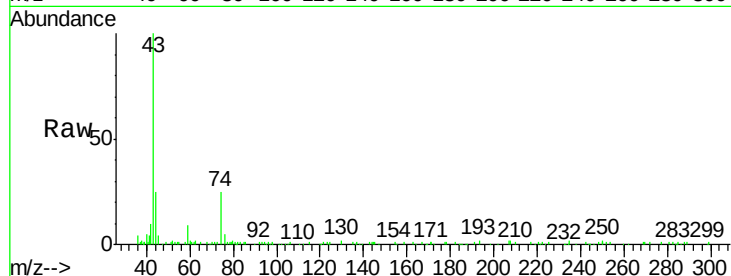
VICV86

Tgt Ion: 43 Resp: 47484

Ion Ratio Lower Upper

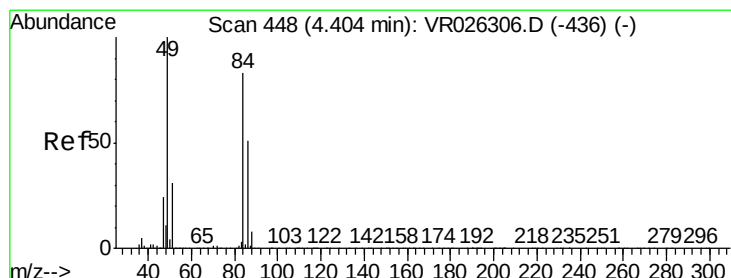
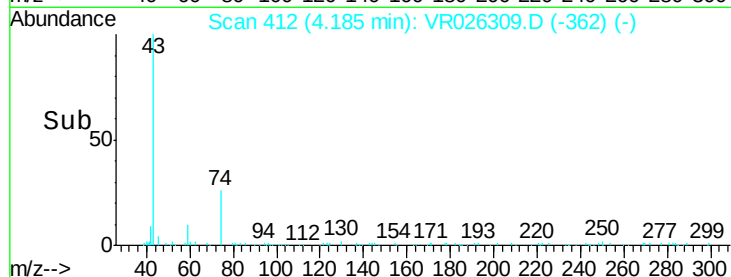
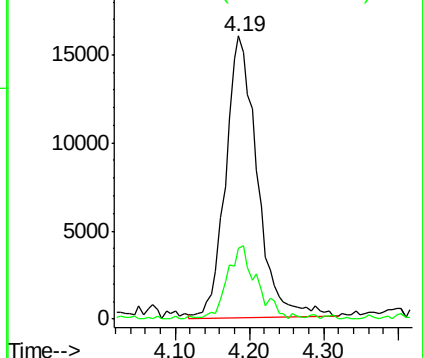
43 100

74 23.3 18.4 27.6



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 74.05 (73.75 to 74.75): VR0



#16

Methylene chloride

Concen: 4.582 ug/L

RT: 4.40 min Scan# 448

Delta R.T. -0.00 min

Lab File: VR026309.D

Acq: 11 Feb 2019 15:17

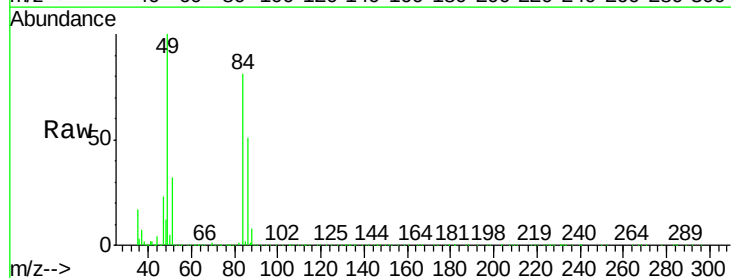
Tgt Ion: 84 Resp: 218488

Ion Ratio Lower Upper

84 100

86 63.2 42.6 79.2

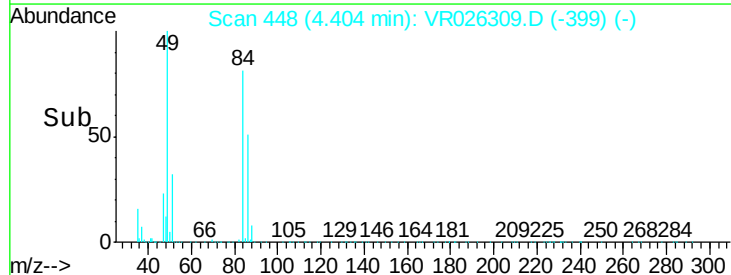
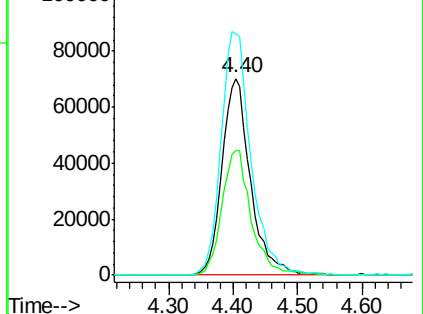
49 123.0 84.2 156.4

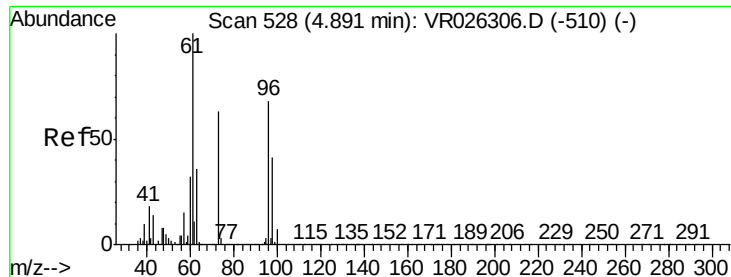


Abundance Ion 84.05 (83.75 to 84.75): VR0

Ion 86.00 (85.70 to 86.70): VR0

Ion 49.10 (48.80 to 49.80): VR0





#17

Methyl tert-butyl Ether

Concen: 4.992 ug/L

RT: 4.89 min Scan# 528

Delta R.T. -0.00 min

Lab File: VR026309.D

Acq: 11 Feb 2019 15:17

Instrument :

MSVOA_R

ClientSampleId :

VICV86

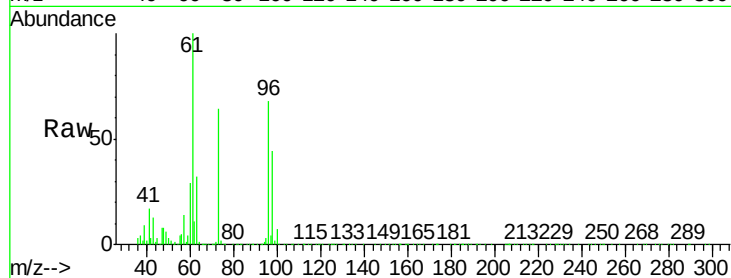
Tgt Ion: 73 Resp: 246867

Ion Ratio Lower Upper

73 100

43 22.8 17.5 26.3

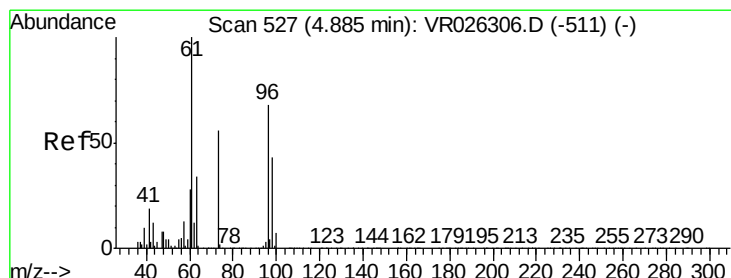
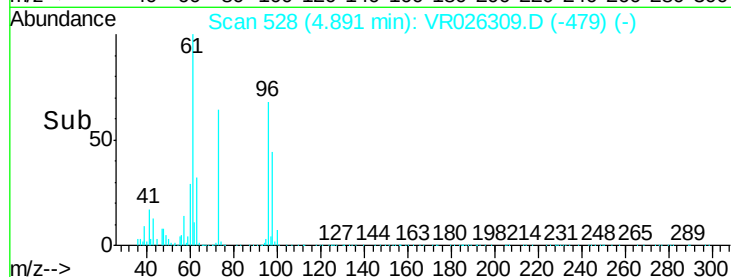
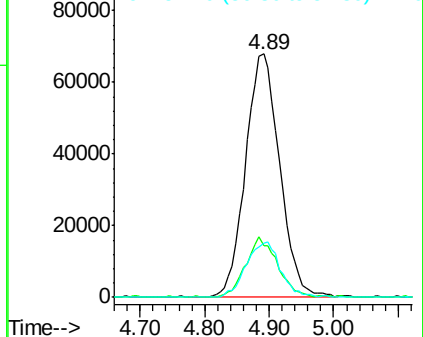
57 22.7 18.6 28.0



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: 4.807 ug/L

RT: 4.88 min Scan# 526

Delta R.T. -0.01 min

Lab File: VR026309.D

Acq: 11 Feb 2019 15:17

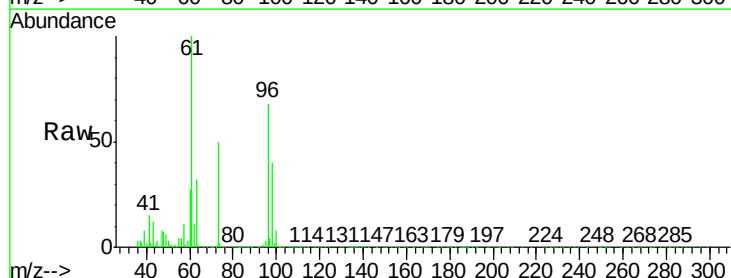
Tgt Ion: 96 Resp: 245722

Ion Ratio Lower Upper

96 100

61 147.5 102.5 190.3

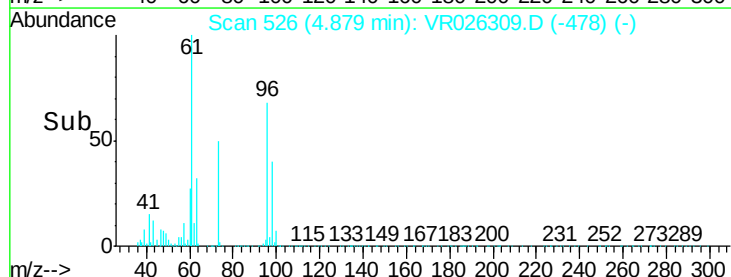
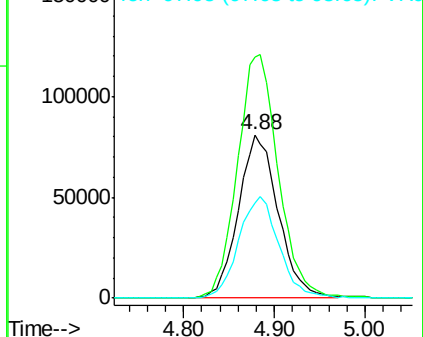
98 58.5 43.9 81.5

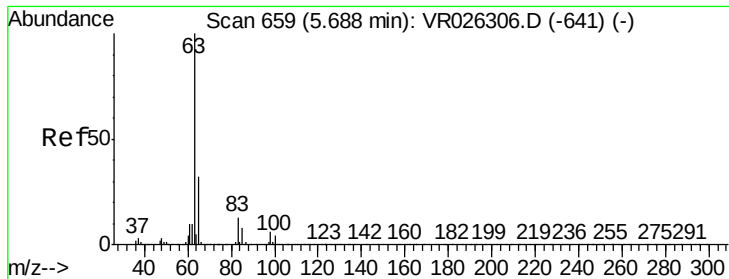


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 97.95 (97.65 to 98.65): VR0

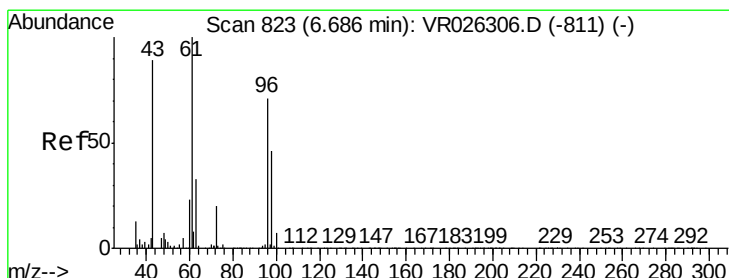
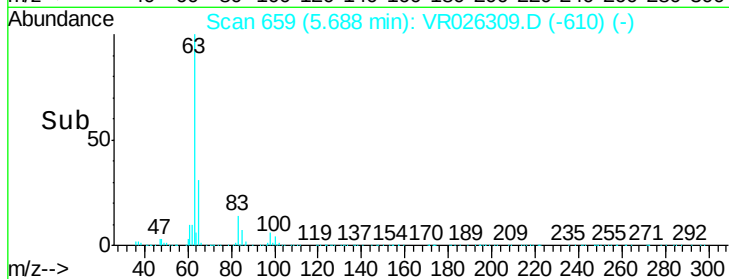
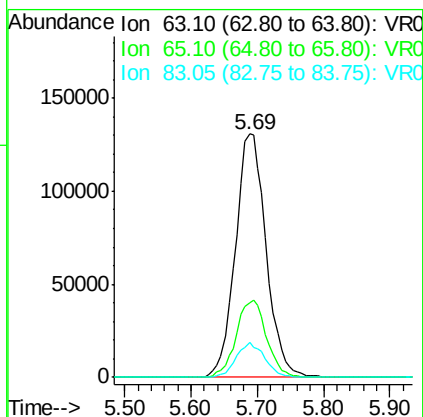
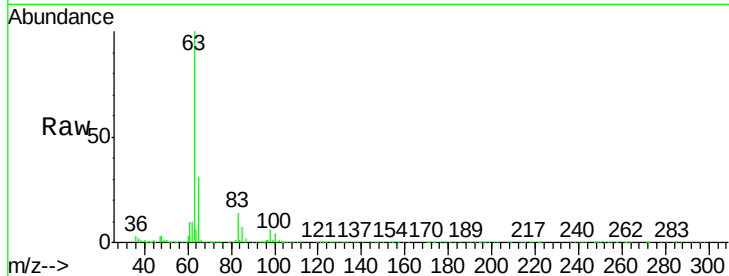




#19
 1,1-Dichloroethane
 Concen: 4.786 ug/L
 RT: 5.69 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VR026309.D
 Acq: 11 Feb 2019 15:17

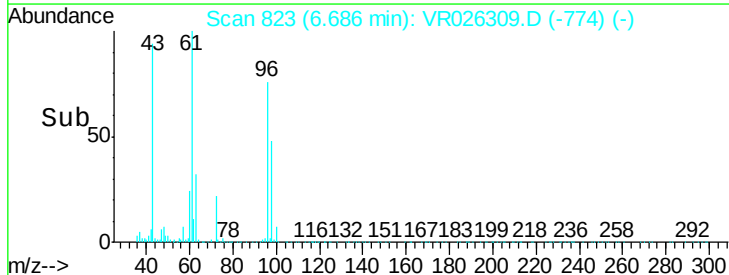
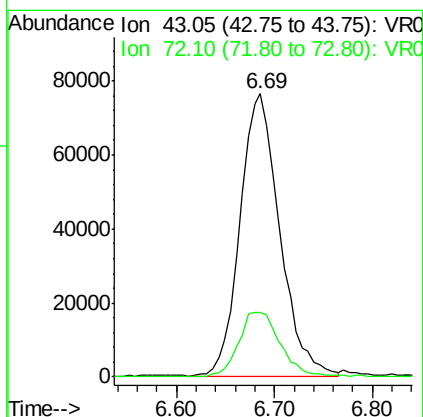
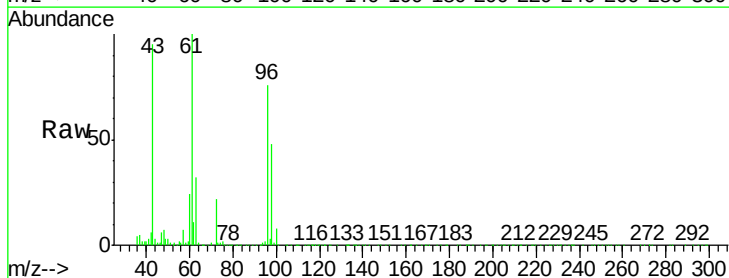
Instrument :
 MSVOA_R
 ClientSampleId :
 VICV86

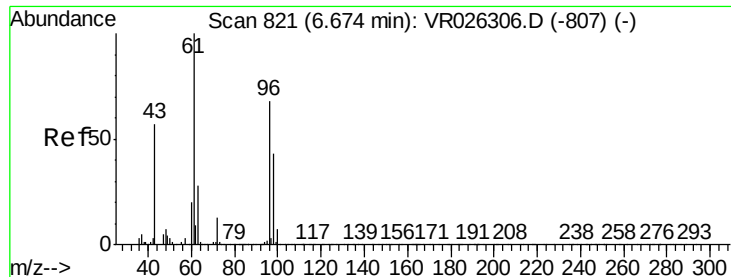
Tgt Ion:	63	Resp:	419970
Ion	Ratio	Lower	Upper
63	100		
65	30.7	22.3	41.3
83	14.4	8.9	16.5



#21
 2-Butanone
 Concen: 52.321 ug/L
 RT: 6.69 min Scan# 823
 Delta R.T. -0.00 min
 Lab File: VR026309.D
 Acq: 11 Feb 2019 15:17

Tgt Ion:	43	Resp:	214097
Ion	Ratio	Lower	Upper
43	100		
72	24.1	11.7	35.1



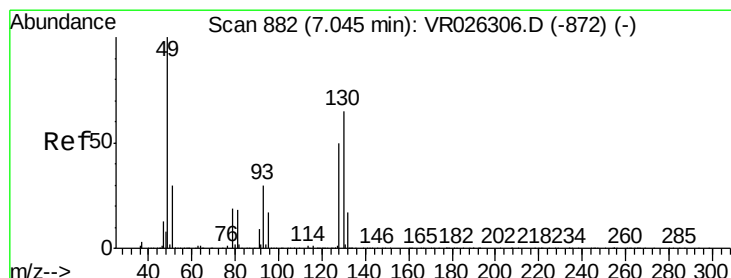
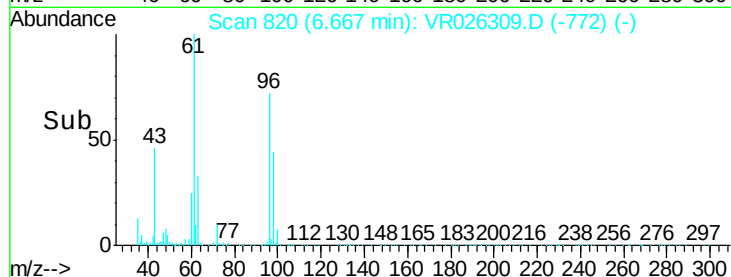
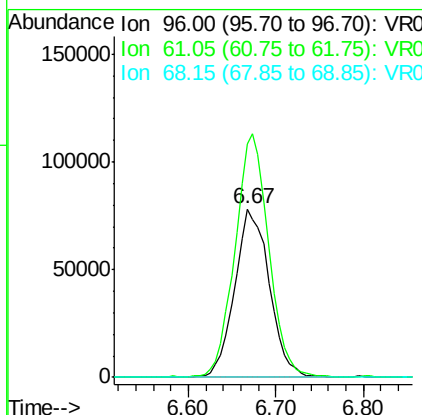
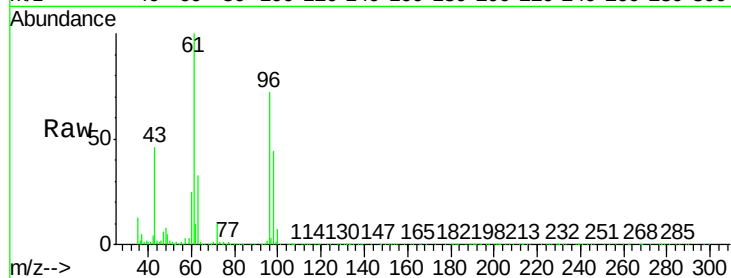


#22

cis-1,2-Dichloroethene
Concen: 5.201 ug/L
RT: 6.67 min Scan# 820
Delta R.T. -0.01 min
Lab File: VR026309.D
Acq: 11 Feb 2019 15:17

Instrument :
MSVOA_R
ClientSampled :
VICV86

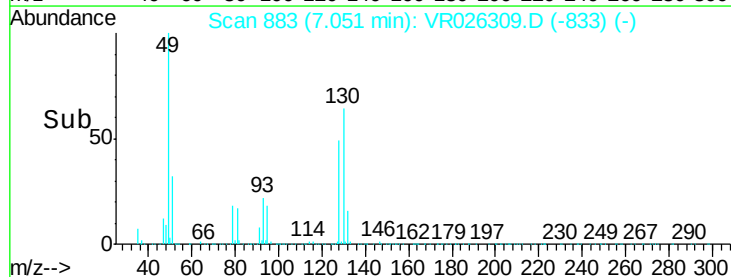
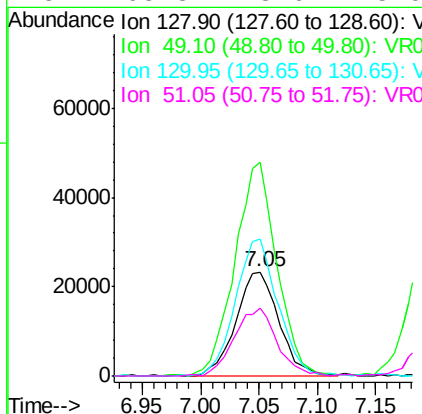
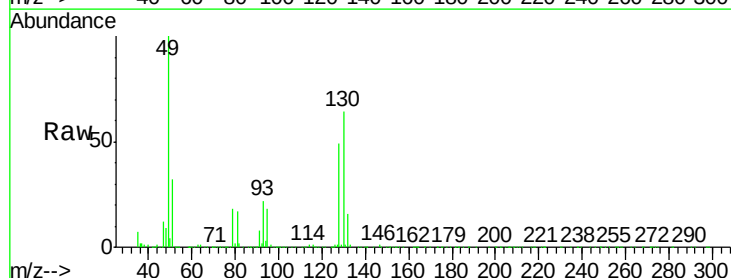
Tgt Ion: 96 Resp: 214452
Ion Ratio Lower Upper
96 100
61 138.6 103.3 191.9
68 0.0 0.1 0.3#

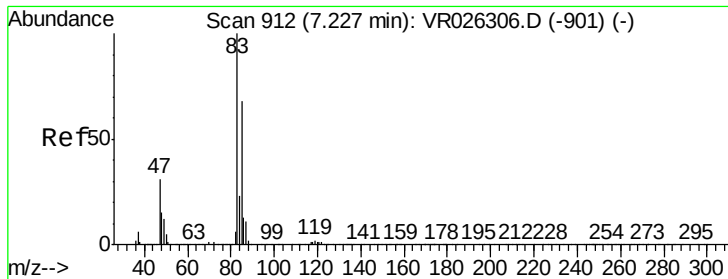


#23

Bromochloromethane
Concen: 4.651 ug/L
RT: 7.05 min Scan# 883
Delta R.T. 0.01 min
Lab File: VR026309.D
Acq: 11 Feb 2019 15:17

Tgt Ion: 128 Resp: 59816
Ion Ratio Lower Upper
128 100
49 204.7 140.6 261.2
130 130.7 91.1 169.1
51 65.3 48.6 73.0

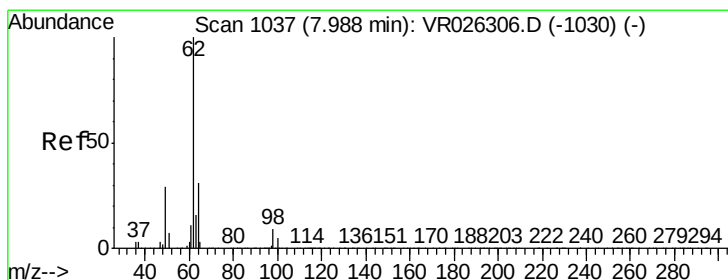
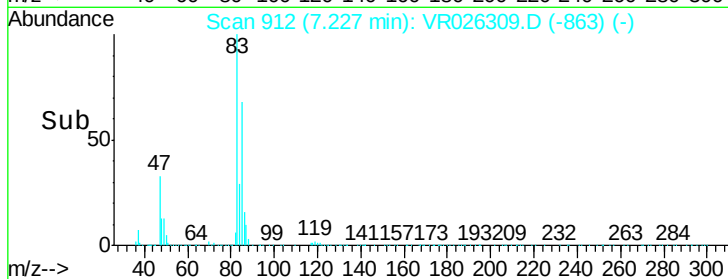
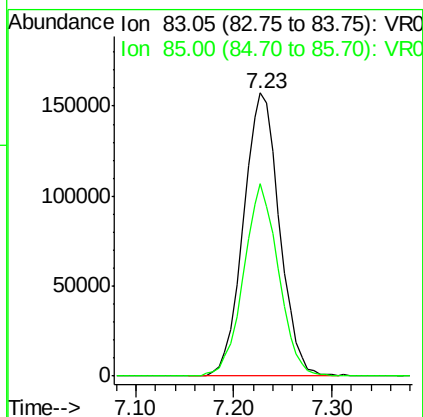
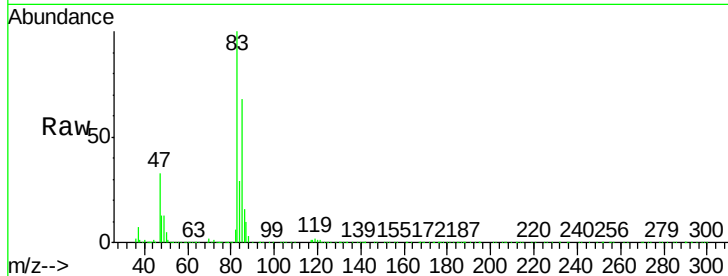




#25
Chloroform
Concen: 4.690 ug/L
RT: 7.23 min Scan# 912
Delta R.T. -0.00 min
Lab File: VR026309.D
Acq: 11 Feb 2019 15:17

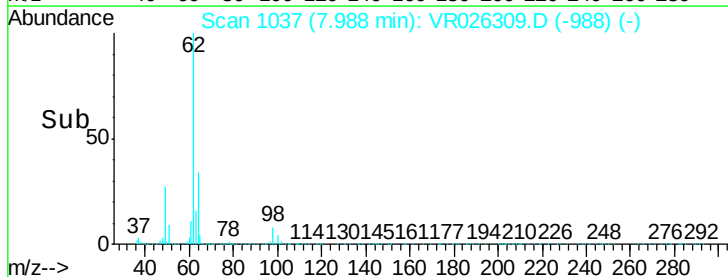
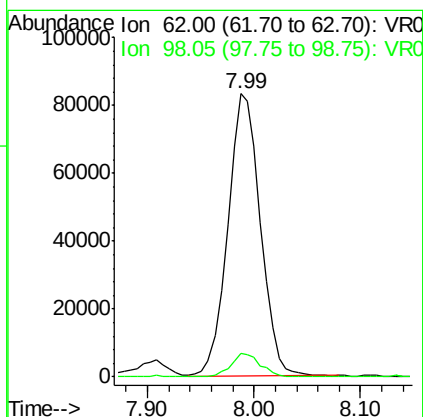
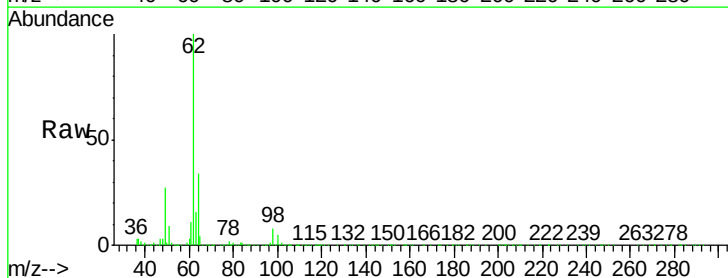
Instrument :
MSVOA_R
ClientSampleId :
VICV86

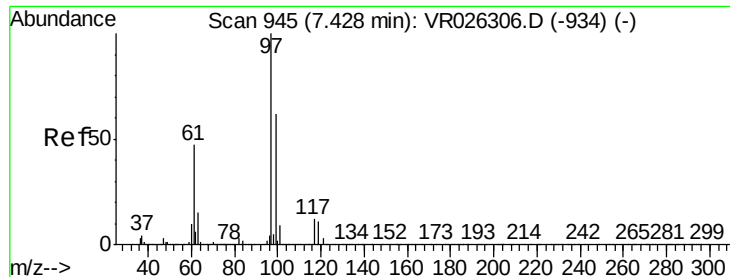
Tgt Ion: 83 Resp: 399771
Ion Ratio Lower Upper
83 100
85 68.0 47.6 88.4



#27
1,2-Dichloroethane
Concen: 4.813 ug/L
RT: 7.99 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VR026309.D
Acq: 11 Feb 2019 15:17

Tgt Ion: 62 Resp: 177461
Ion Ratio Lower Upper
62 100
98 8.2 7.0 10.6





#29

1,1,1-Trichloroethane

Concen: 4.873 ug/L

RT: 7.43 min Scan# 945

Delta R.T. -0.00 min

Lab File: VR026309.D

Acq: 11 Feb 2019 15:17

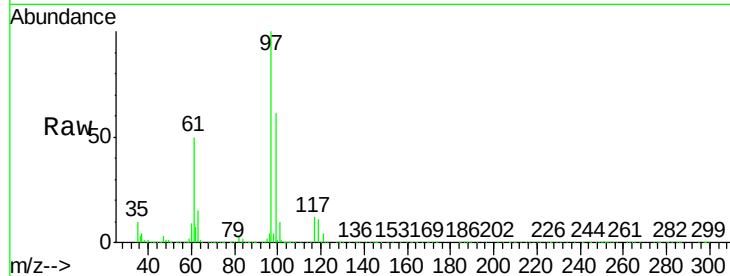
Instrument :

MSVOA_R

ClientSampled :

VICV86

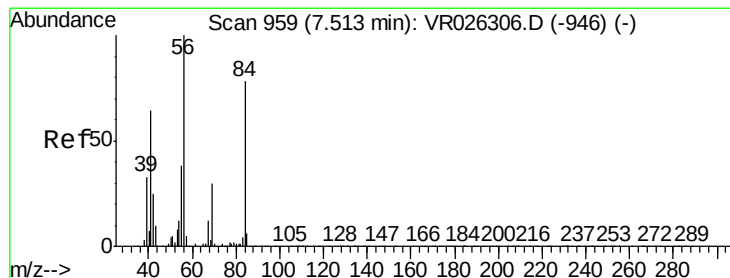
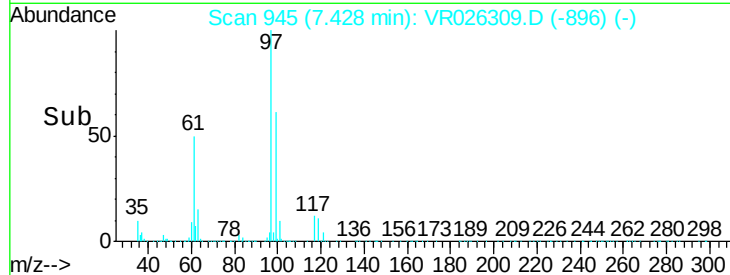
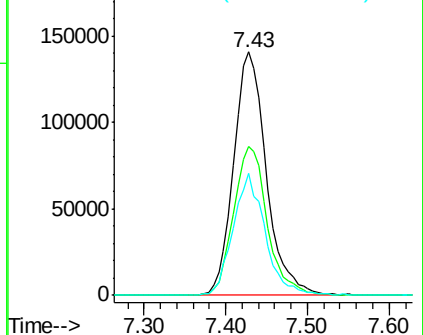
Tgt Ion:	97	Resp:	389667
Ion	Ratio	Lower	Upper
97	100		
99	63.3	52.1	78.1
61	49.2	39.1	58.7



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



#30

Cyclohexane

Concen: 5.908 ug/L

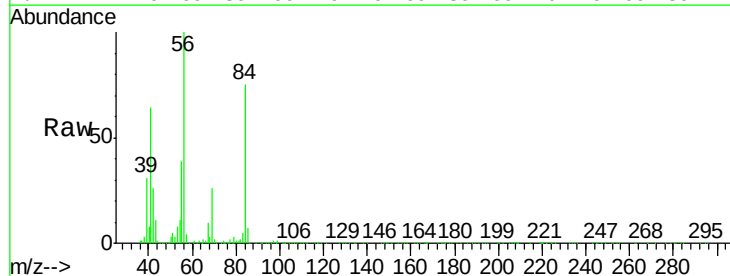
RT: 7.51 min Scan# 959

Delta R.T. -0.00 min

Lab File: VR026309.D

Acq: 11 Feb 2019 15:17

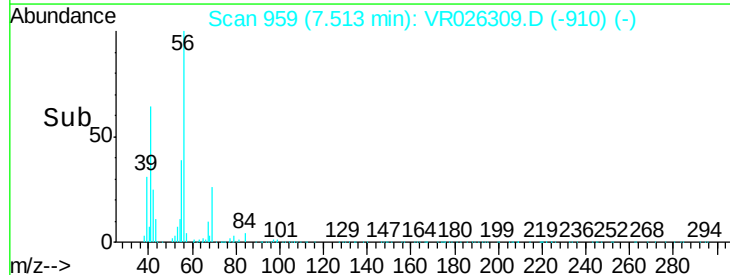
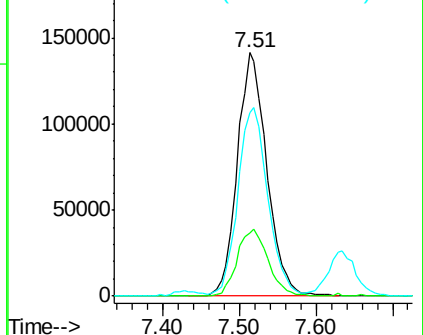
Tgt Ion:	56	Resp:	378268
Ion	Ratio	Lower	Upper
56	100		
69	28.8	23.4	35.2
84	78.7	63.8	95.6

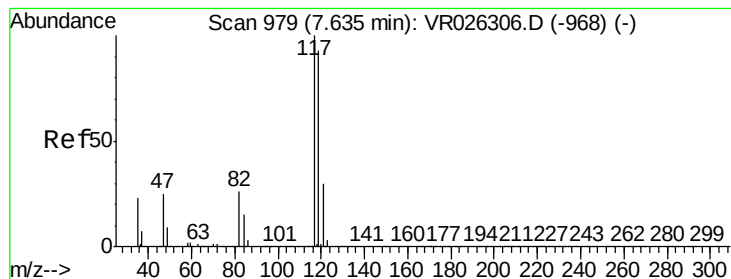


Abundance Ion 56.10 (55.80 to 56.80): VR0

Ion 69.15 (68.85 to 69.85): VR0

Ion 84.15 (83.85 to 84.85): VR0





#31

Carbon tetrachloride

Concen: 4.822 ug/L

RT: 7.63 min Scan# 979

Delta R.T. -0.00 min

Lab File: VR026309.D

Acq: 11 Feb 2019 15:17

Instrument :

MSVOA_R

ClientSampleId :

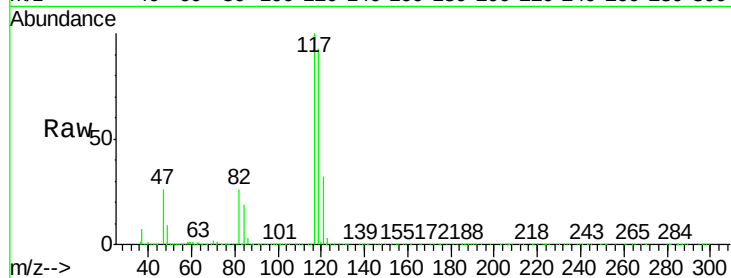
VICV86

Tgt Ion:117 Resp: 357401

Ion Ratio Lower Upper

117 100

119 95.7 75.5 113.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

7.63

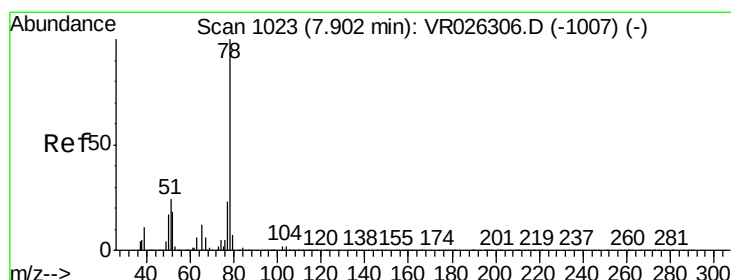
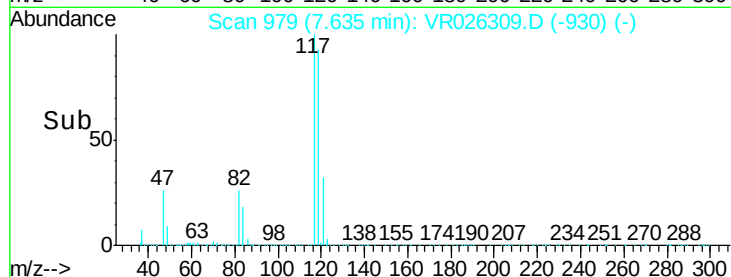
150000

100000

50000

0

Time-->



#33

Benzene

Concen: 4.973 ug/L

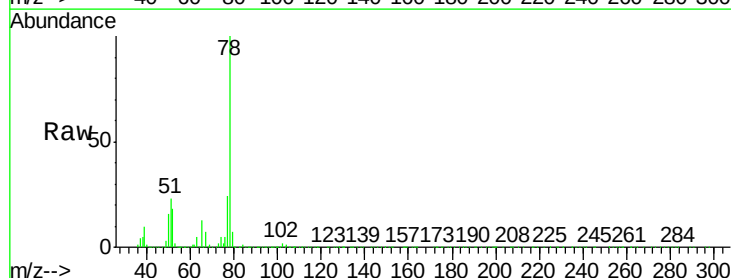
RT: 7.90 min Scan# 1023

Delta R.T. -0.00 min

Lab File: VR026309.D

Acq: 11 Feb 2019 15:17

Tgt Ion: 78 Resp: 955827



Abundance Ion 78.10 (77.80 to 78.80): VR0

7.90

500000

400000

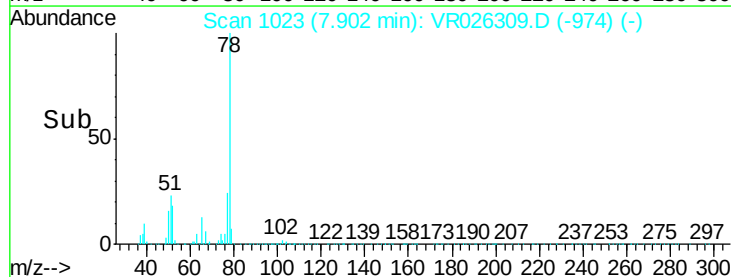
300000

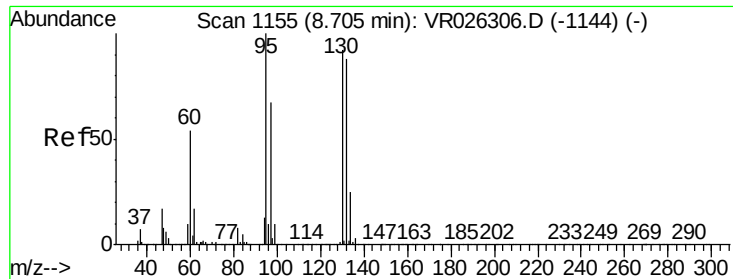
200000

100000

0

Time-->

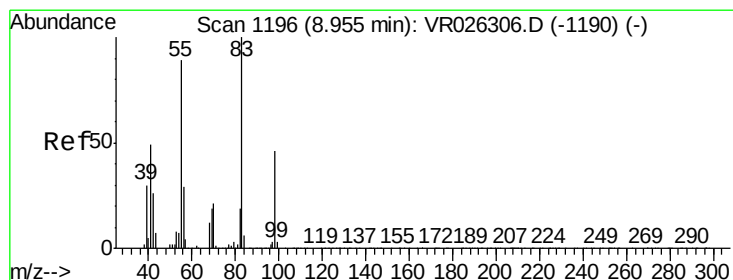
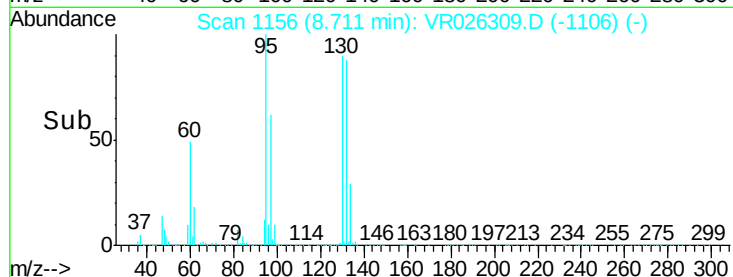
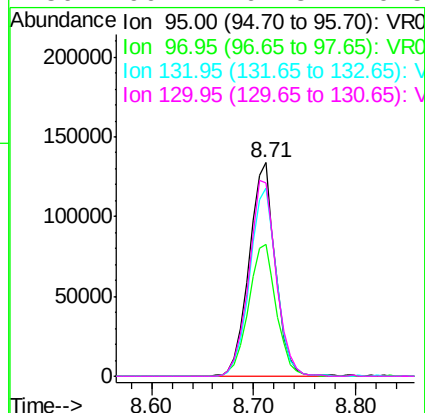
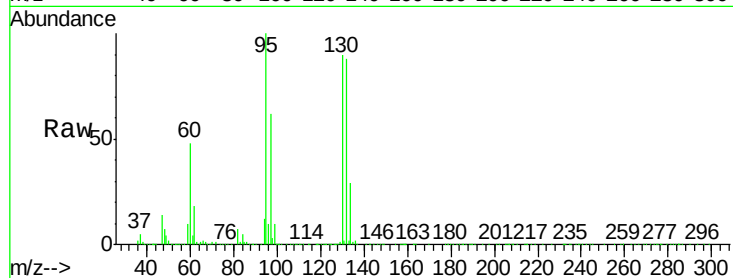




#34
 Trichloroethene
 Concen: 4.837 ug/L
 RT: 8.71 min Scan# 1156
 Delta R.T. 0.01 min
 Lab File: VR026309.D
 Acq: 11 Feb 2019 15:17

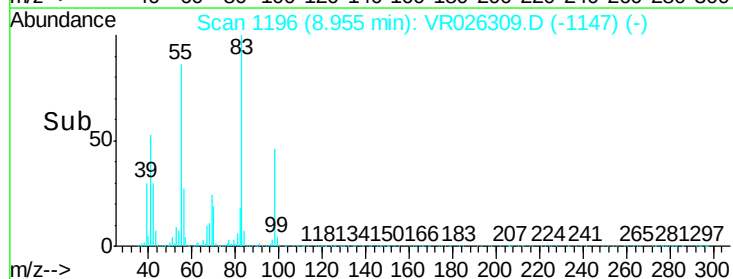
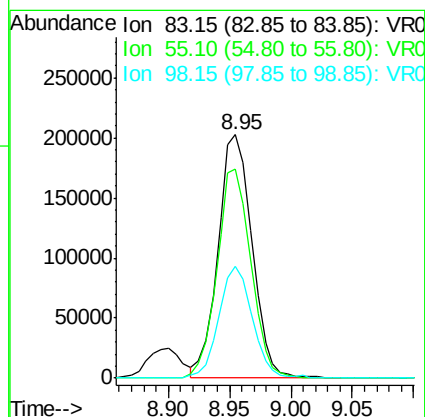
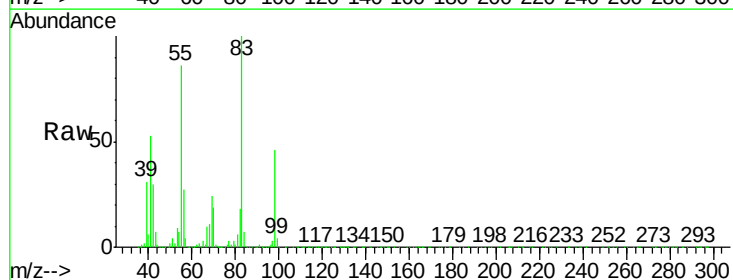
Instrument :
 MSVOA_R
 ClientSampleId :
 VICV86

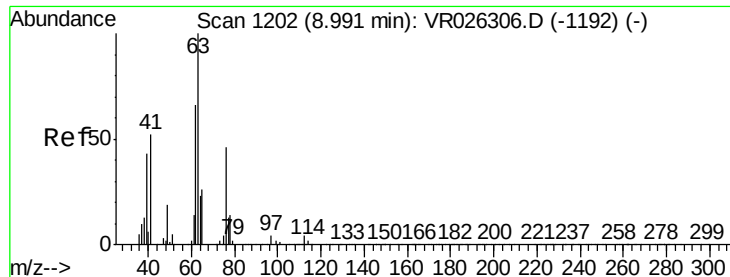
Tgt Ion:	95	Resp:	239701
Ion	Ratio	Lower	Upper
95	100		
97	61.9	46.6	86.6
132	87.9	61.9	114.9
130	90.4	64.3	119.5



#35
 Methylcyclohexane
 Concen: 5.631 ug/L
 RT: 8.95 min Scan# 1196
 Delta R.T. -0.00 min
 Lab File: VR026309.D
 Acq: 11 Feb 2019 15:17

Tgt Ion:	83	Resp:	388040
Ion	Ratio	Lower	Upper
83	100		
55	85.8	68.8	103.2
98	44.9	36.3	54.5

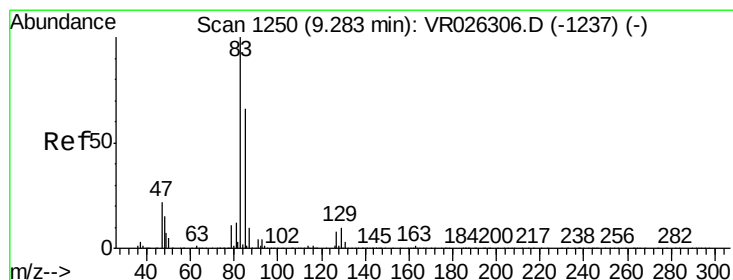
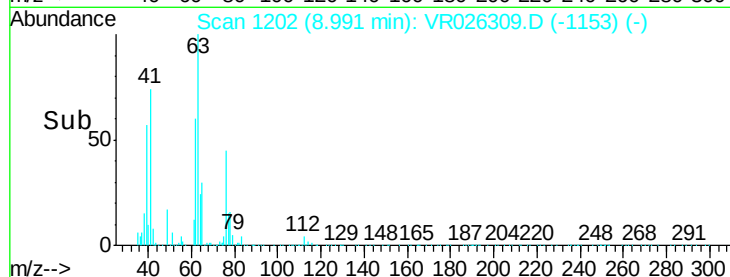
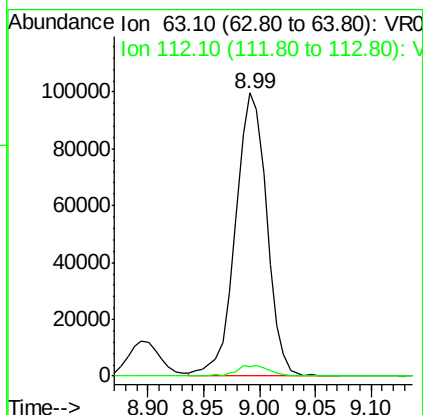
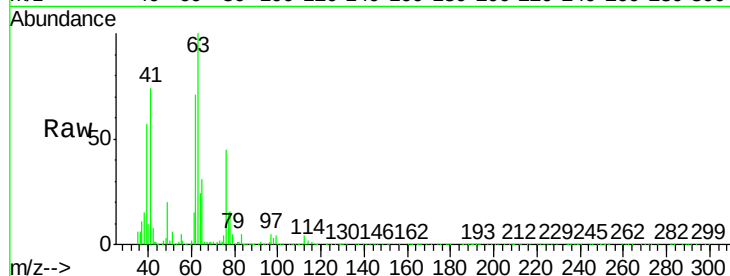




#37
 1,2-Dichloropropane
 Concen: 4.649 ug/L
 RT: 8.99 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VR026309.D
 Acq: 11 Feb 2019 15:17

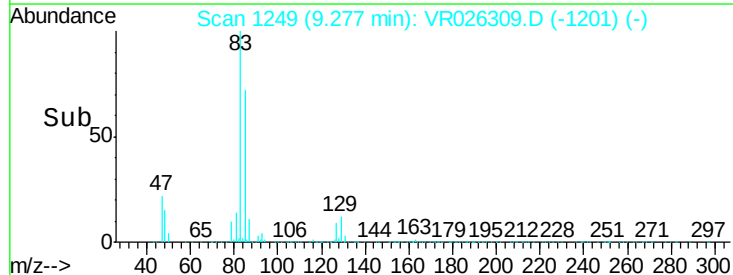
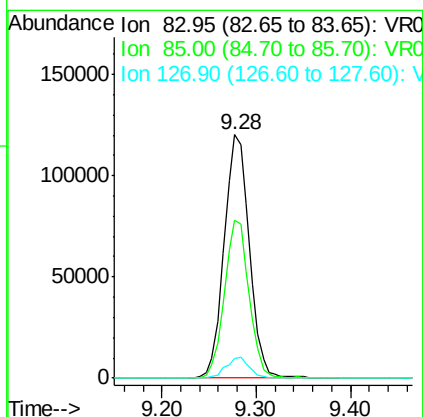
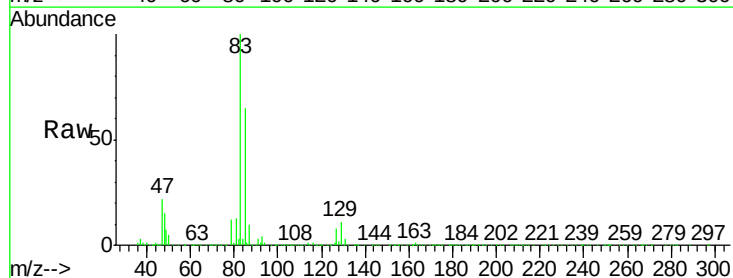
Instrument :
 MSVOA_R
 ClientSampled :
 VICV86

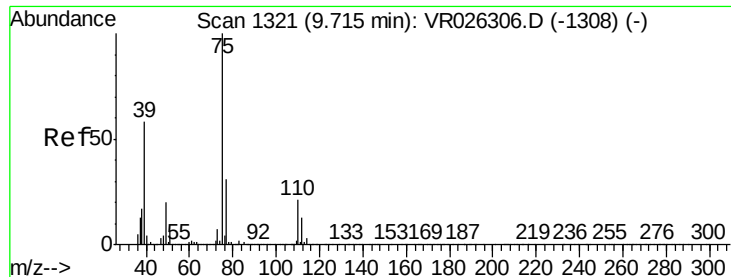
Tgt Ion: 63 Resp: 192932
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.3 4.9



#38
 Bromodichloromethane
 Concen: 4.802 ug/L
 RT: 9.28 min Scan# 1249
 Delta R.T. -0.01 min
 Lab File: VR026309.D
 Acq: 11 Feb 2019 15:17

Tgt Ion: 83 Resp: 222240
 Ion Ratio Lower Upper
 83 100
 85 65.1 46.3 85.9
 127 8.0 6.2 9.4



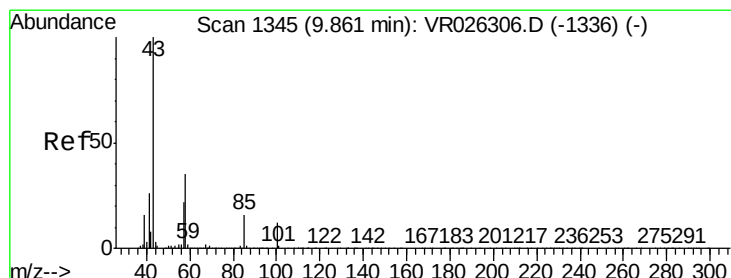
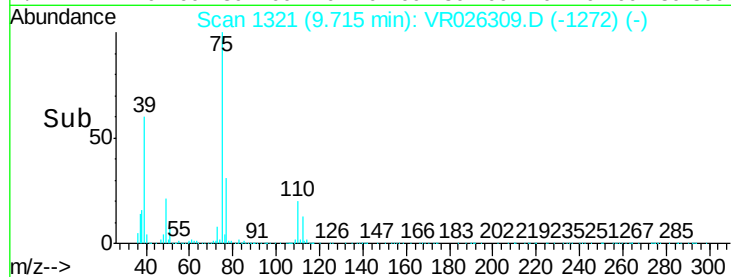
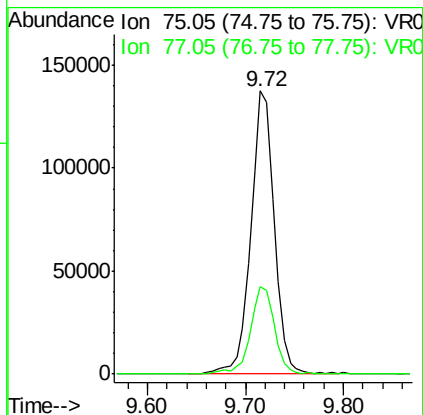
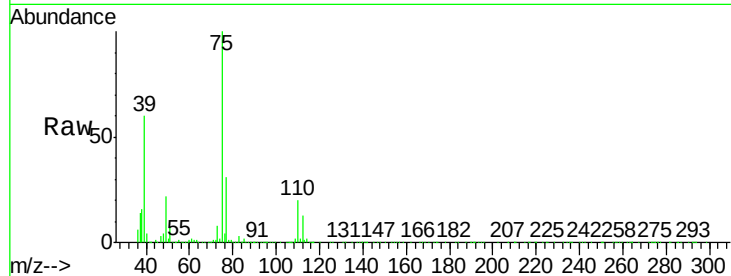


#39

cis-1,3-Dichloropropene
 Concen: 5.340 ug/L
 RT: 9.72 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: VR026309.D
 Acq: 11 Feb 2019 15:17

Instrument :
 MSVOA_R
 ClientSampleId :
 VICV86

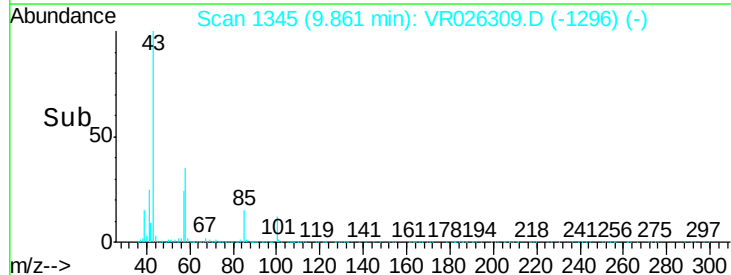
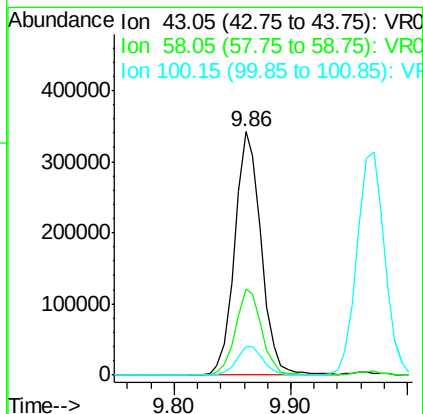
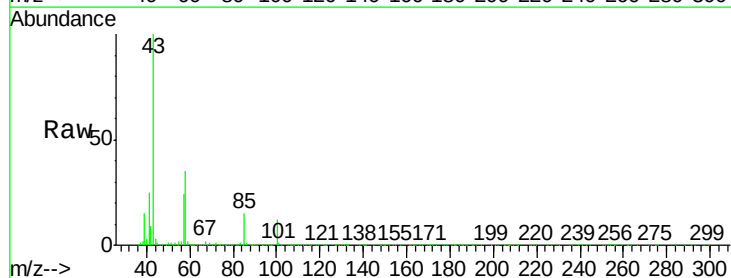
Tgt Ion: 75 Resp: 228037
 Ion Ratio Lower Upper
 75 100
 77 31.0 21.7 40.3

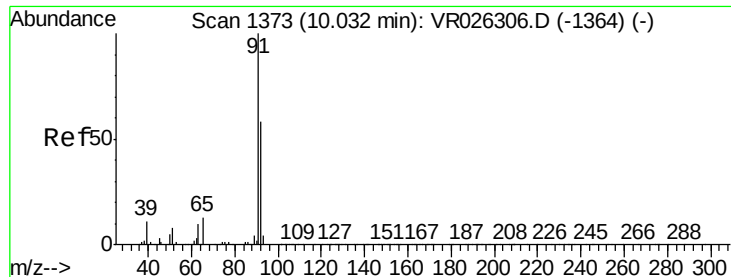


#40

4-Methyl-2-pentanone
 Concen: 56.499 ug/L
 RT: 9.86 min Scan# 1345
 Delta R.T. -0.00 min
 Lab File: VR026309.D
 Acq: 11 Feb 2019 15:17

Tgt Ion: 43 Resp: 540495
 Ion Ratio Lower Upper
 43 100
 58 35.0 28.7 43.1
 100 12.0 9.8 14.6





#42

Toluene

Concen: 5.160 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. -0.00 min

Lab File: VR026309.D

Acq: 11 Feb 2019 15:17

Instrument :

MSVOA_R

ClientSampleId :

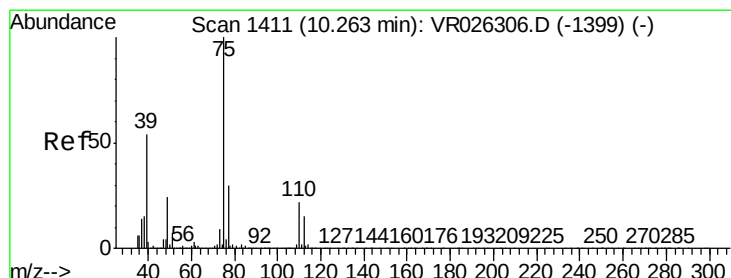
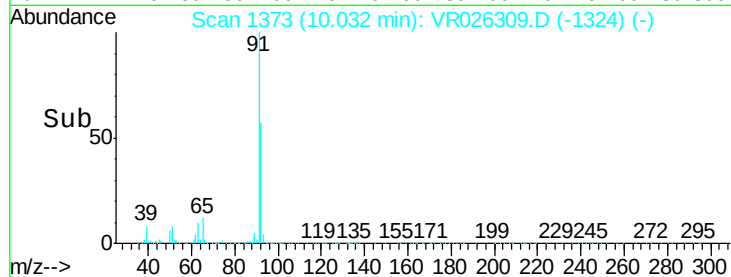
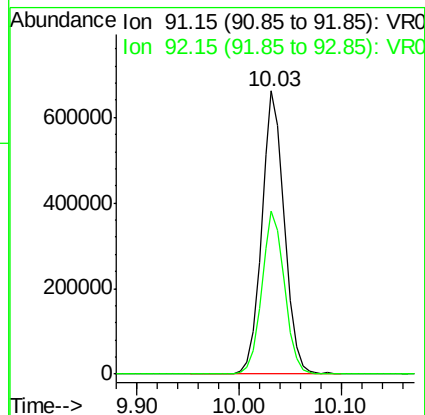
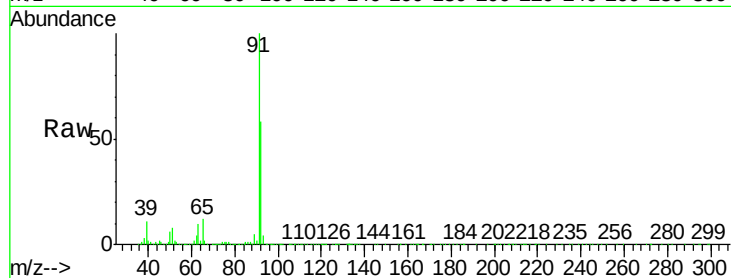
VICV86

Tgt Ion: 91 Resp: 1019367

Ion Ratio Lower Upper

91 100

92 57.5 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 5.094 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR026309.D

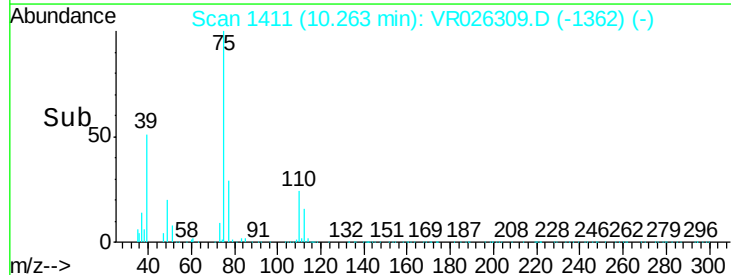
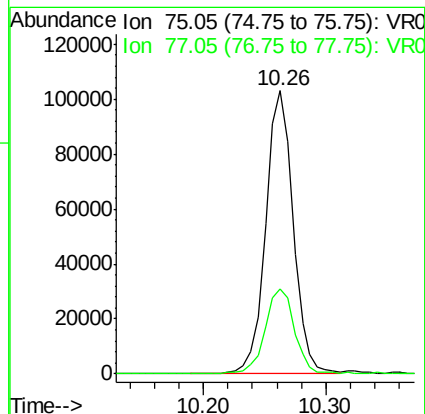
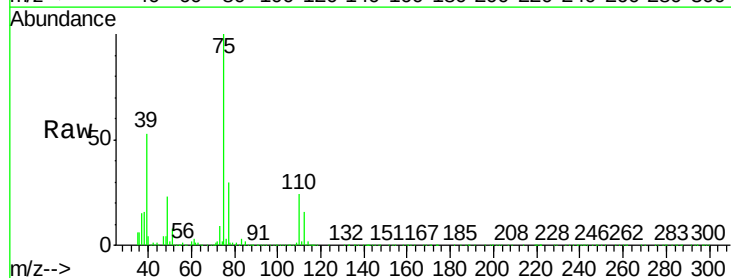
Acq: 11 Feb 2019 15:17

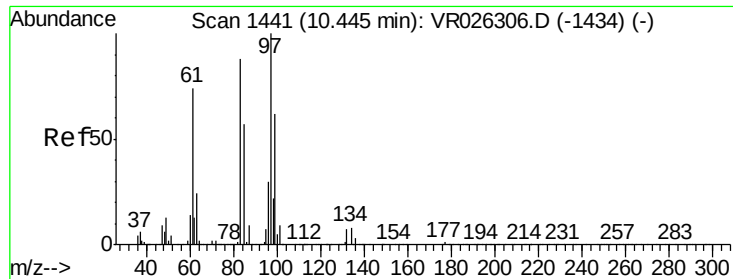
Tgt Ion: 75 Resp: 161389

Ion Ratio Lower Upper

75 100

77 30.1 21.6 40.2

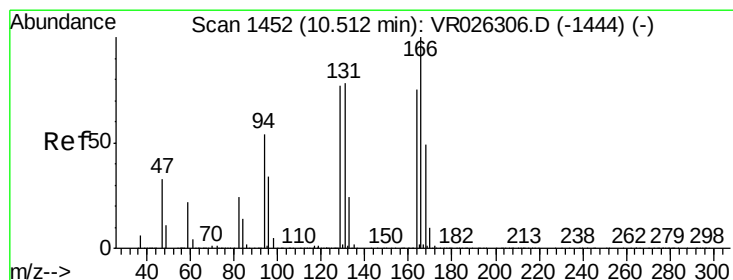
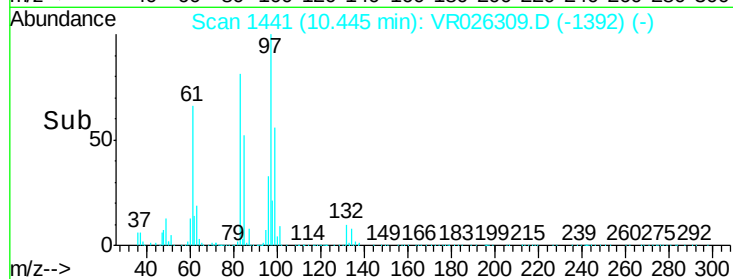
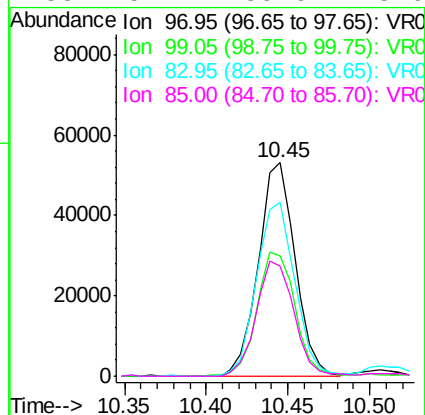
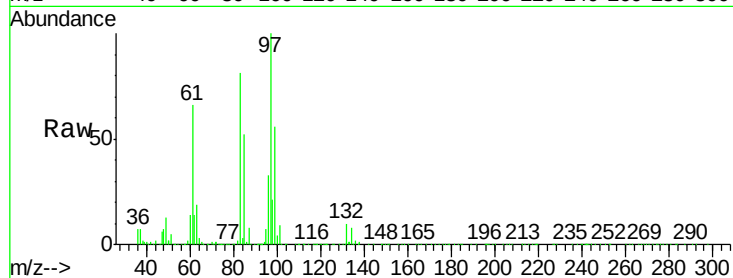




#45
 1,1,2-Trichloroethane
 Concen: 4.768 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VR026309.D
 Acq: 11 Feb 2019 15:17

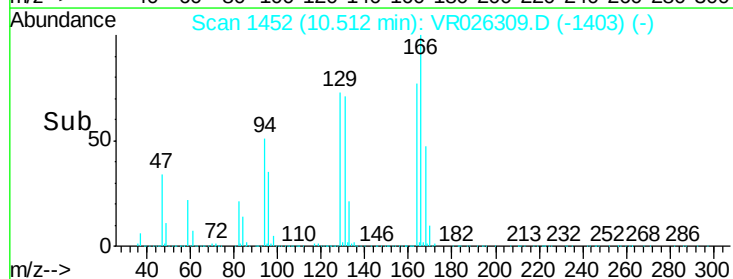
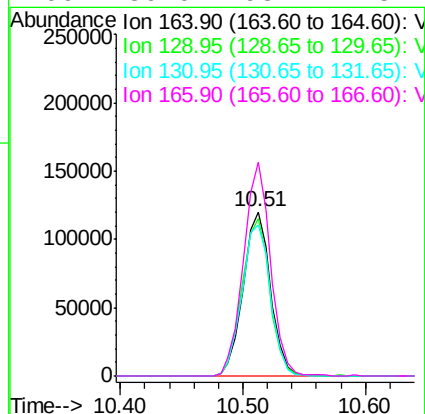
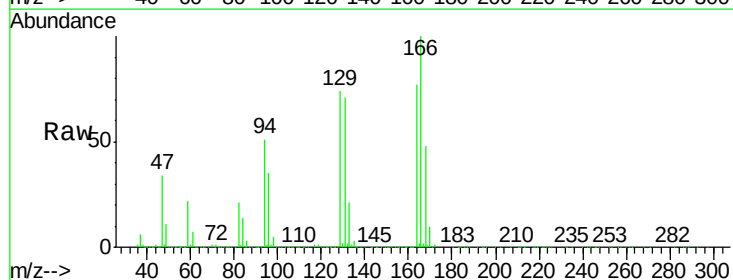
Instrument :
 MSVOA_R
 ClientSampleId :
 VICV86

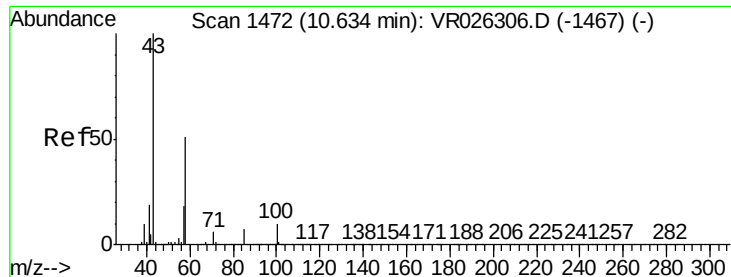
Tgt Ion:	97	Resp:	82627
Ion	Ratio	Lower	Upper
97	100		
99	56.3	43.0	80.0
83	81.3	61.5	114.3
85	51.7	39.6	73.6



#47
 Tetrachloroethene
 Concen: 4.891 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: VR026309.D
 Acq: 11 Feb 2019 15:17

Tgt Ion:	164	Resp:	186003
Ion	Ratio	Lower	Upper
164	100		
129	95.6	71.5	132.9
131	92.1	72.8	135.2
166	130.0	93.4	173.4

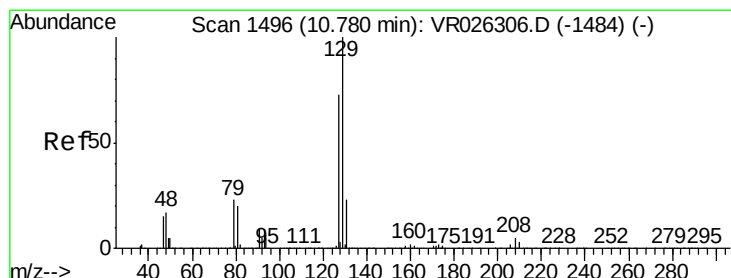
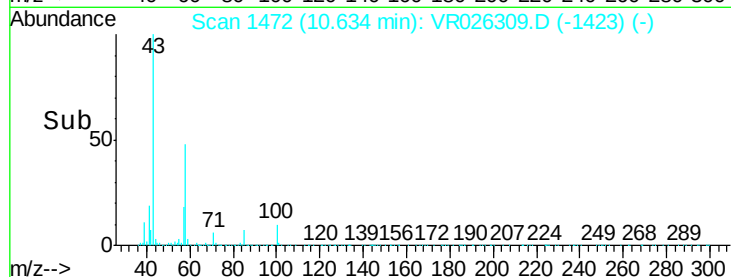
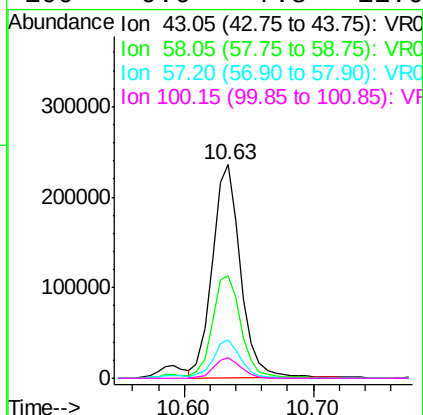
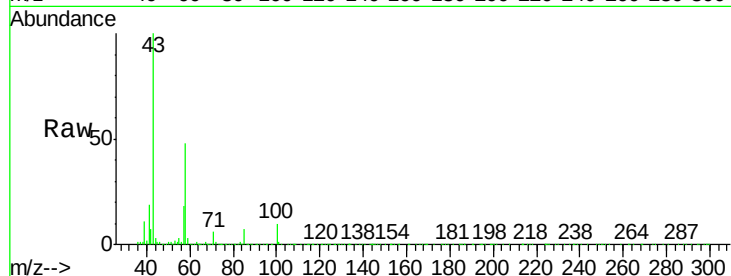




#48
2-Hexanone
Concen: 56.242 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR026309.D
Acq: 11 Feb 2019 15:17

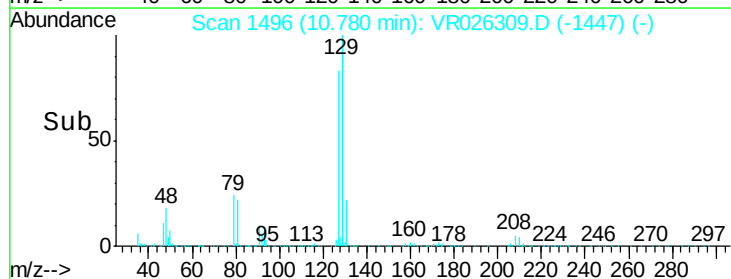
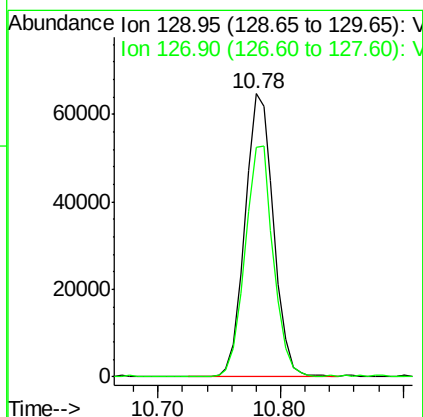
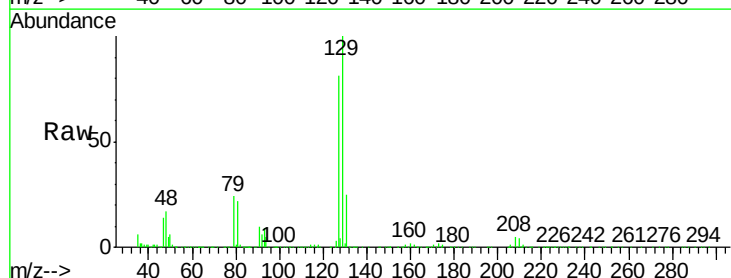
Instrument :
MSVOA_R
ClientSampled :
VICV86

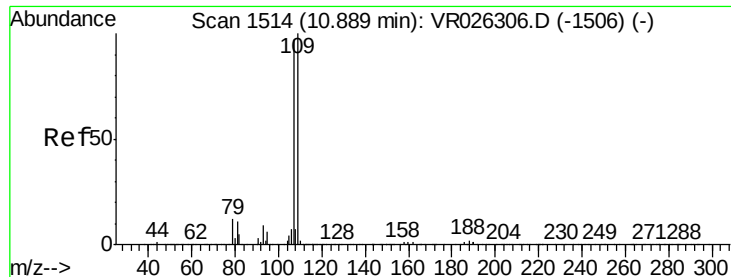
Tgt Ion:	43	Resp:	361782
Ion	Ratio	Lower	Upper
43	100		
58	48.8	41.2	61.8
57	17.6	13.8	20.8
100	9.6	7.8	11.6



#49
Dibromochloromethane
Concen: 4.691 ug/L
RT: 10.78 min Scan# 1496
Delta R.T. -0.00 min
Lab File: VR026309.D
Acq: 11 Feb 2019 15:17

Tgt Ion:	129	Resp:	104477
Ion	Ratio	Lower	Upper
129	100		
127	81.1	51.4	95.5

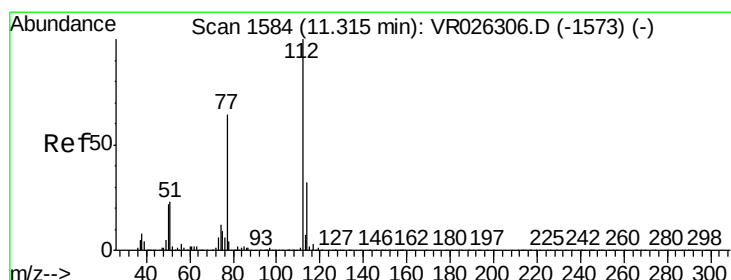
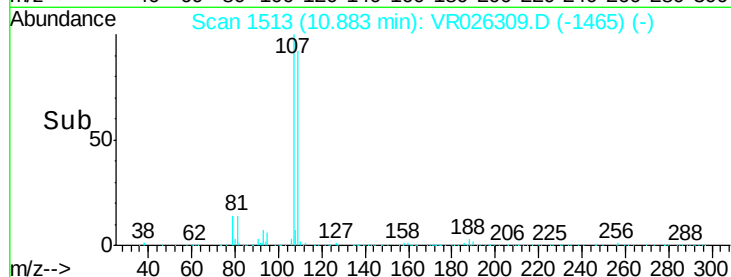
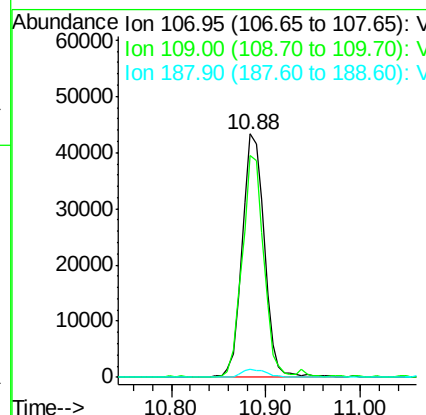
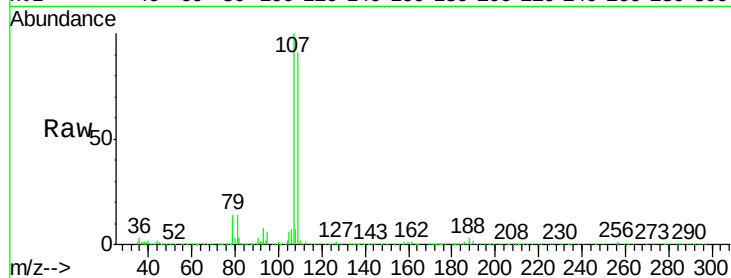




#50
1,2-Dibromoethane
Concen: 5.165 ug/L
RT: 10.88 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VR026309.D
Acq: 11 Feb 2019 15:17

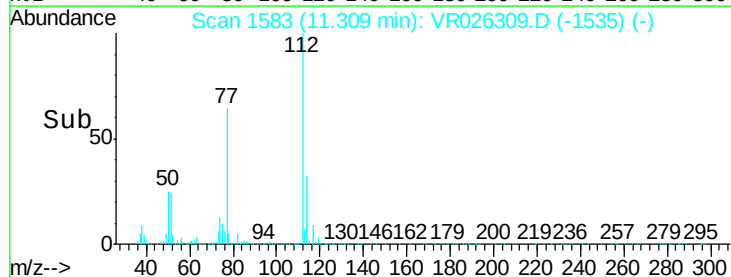
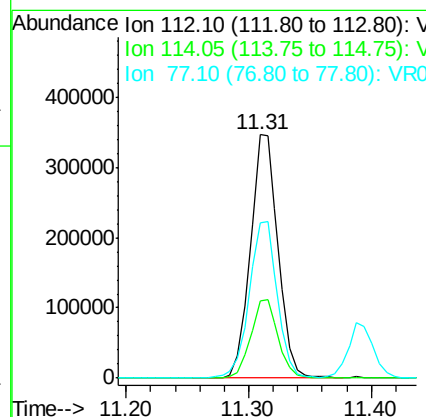
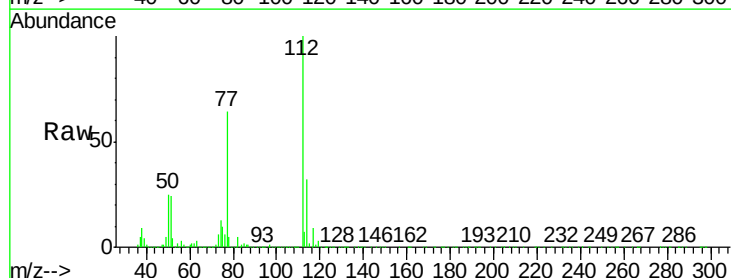
Instrument :
MSVOA_R
ClientSampleId :
VICV86

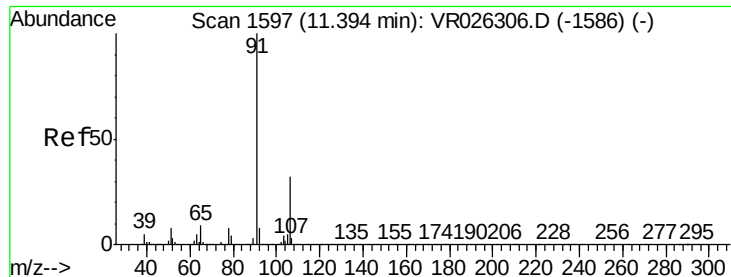
Tgt Ion:107 Resp: 71168
Ion Ratio Lower Upper
107 100
109 91.2 72.7 135.1
188 3.4 1.9 2.9#



#51
Chlorobenzene
Concen: 4.804 ug/L
RT: 11.31 min Scan# 1583
Delta R.T. -0.01 min
Lab File: VR026309.D
Acq: 11 Feb 2019 15:17

Tgt Ion:112 Resp: 542593
Ion Ratio Lower Upper
112 100
114 31.6 22.5 41.9
77 64.0 51.3 76.9





#52

Ethylbenzene

Concen: 5.225 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VR026309.D

Acq: 11 Feb 2019 15:17

Instrument :

MSVOA_R

ClientSampleId :

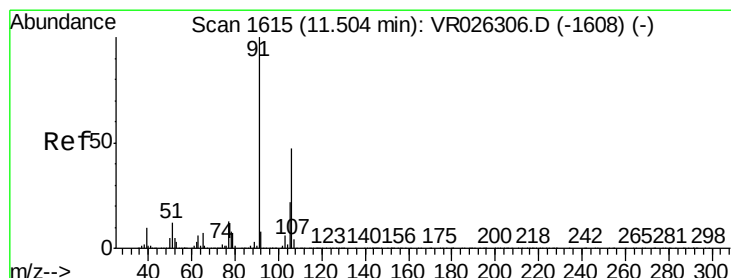
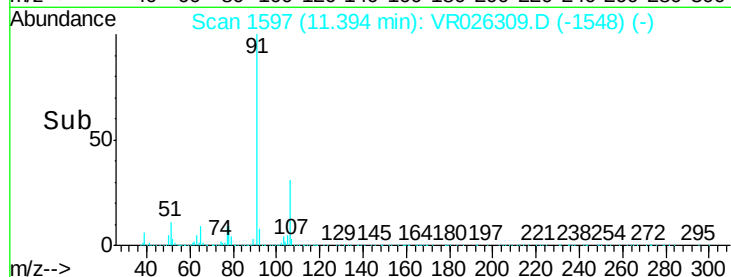
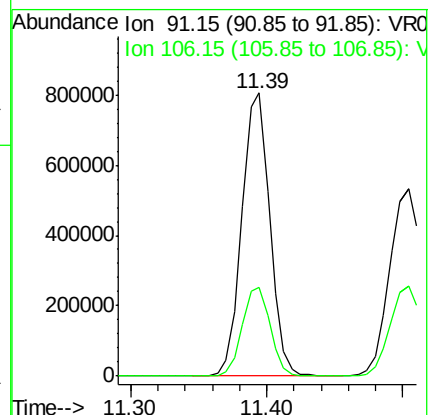
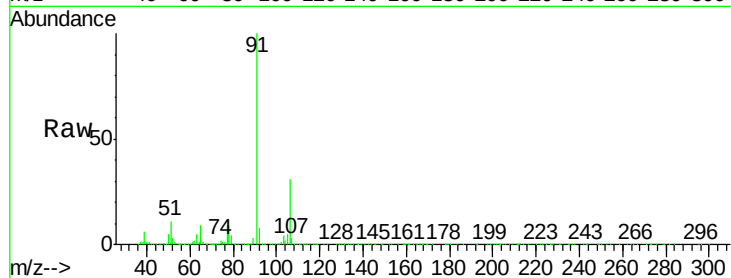
VICV86

Tgt Ion: 91 Resp: 1153906

Ion Ratio Lower Upper

91 100

106 31.4 22.3 41.3



#53

m,p-Xylene

Concen: 5.325 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR026309.D

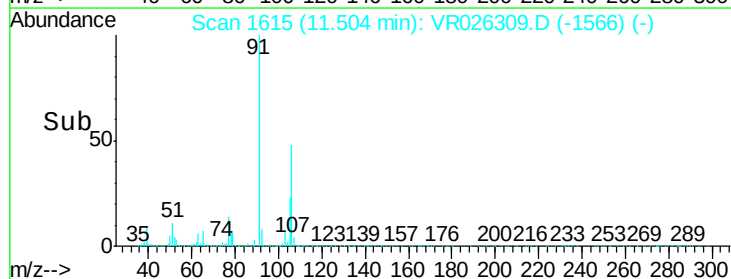
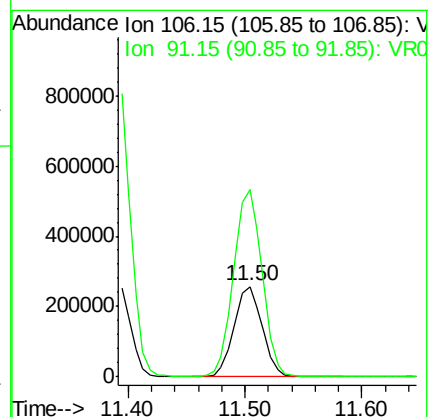
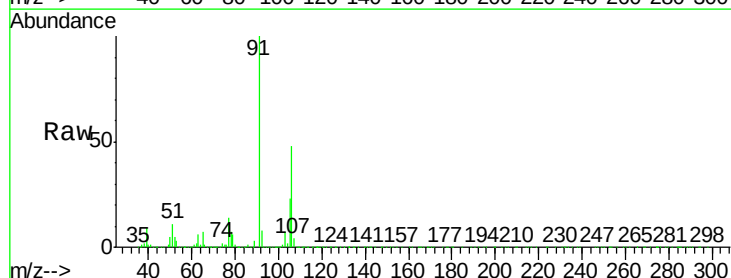
Acq: 11 Feb 2019 15:17

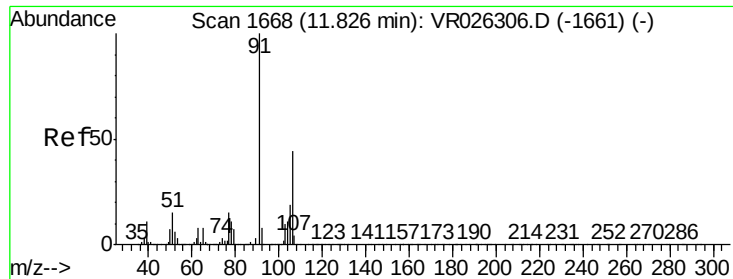
Tgt Ion: 106 Resp: 429755

Ion Ratio Lower Upper

106 100

91 206.6 148.2 275.2

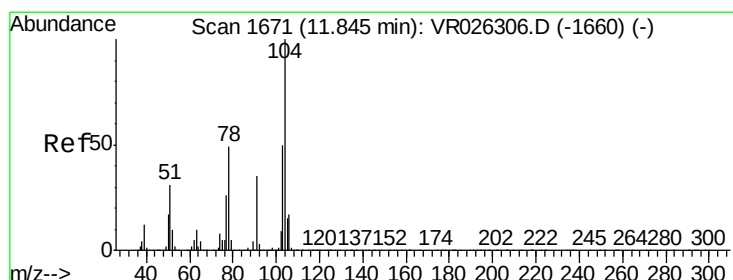
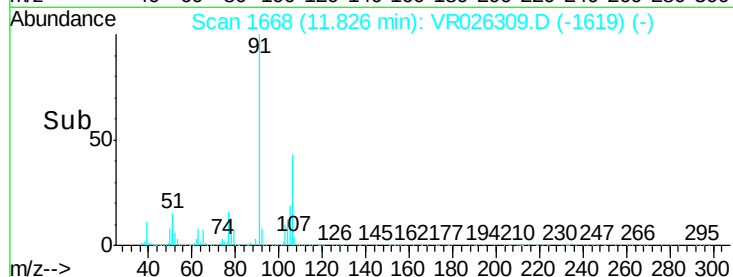
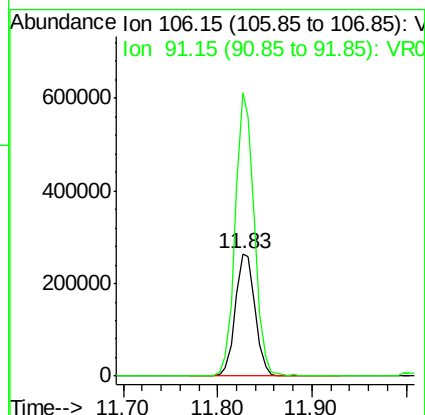
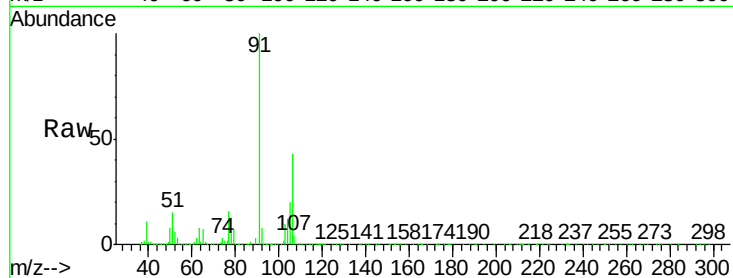




#54
o-Xylene
Concen: 5.491 ug/L
RT: 11.83 min Scan# 1668
Delta R.T. -0.00 min
Lab File: VR026309.D
Acq: 11 Feb 2019 15:17

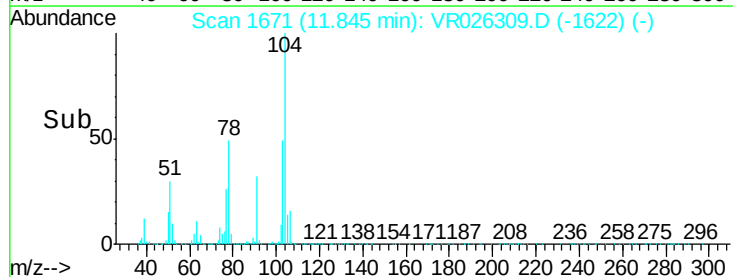
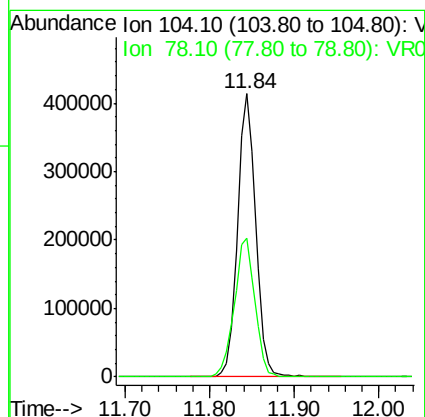
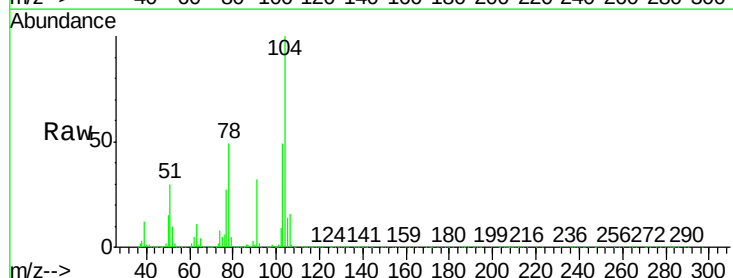
Instrument :
MSVOA_R
ClientSampleId :
VICV86

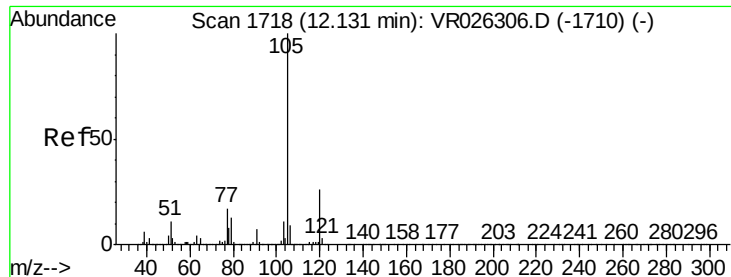
Tgt Ion:106 Resp: 382195
Ion Ratio Lower Upper
106 100
91 231.0 159.8 296.8



#55
Styrene
Concen: 5.468 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VR026309.D
Acq: 11 Feb 2019 15:17

Tgt Ion:104 Resp: 597824
Ion Ratio Lower Upper
104 100
78 49.1 34.5 64.1





#56

Isopropylbenzene

Concen: 5.721 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR026309.D

Acq: 11 Feb 2019 15:17

Instrument :

MSVOA_R

ClientSampleId :

VICV86

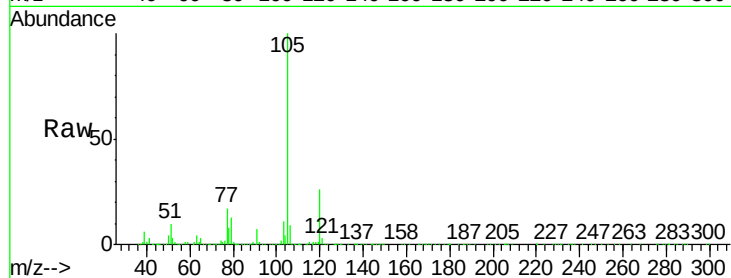
Tgt Ion: 105 Resp: 1131940

Ion Ratio Lower Upper

105 100

120 25.6 21.1 31.7

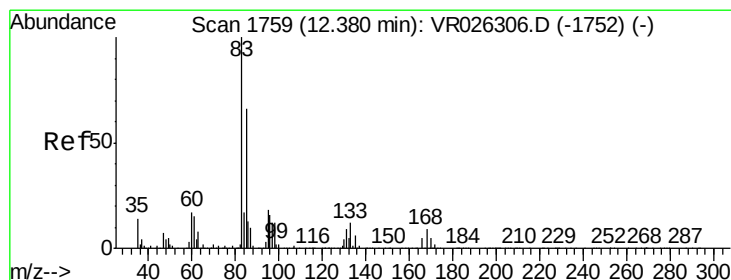
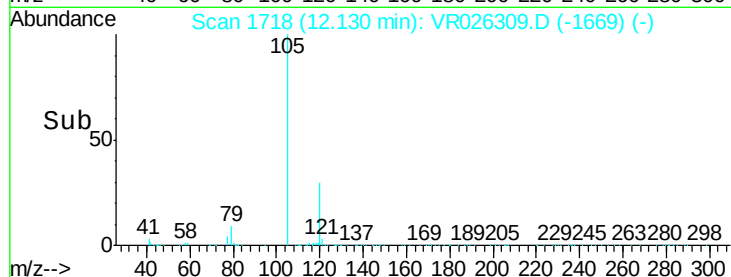
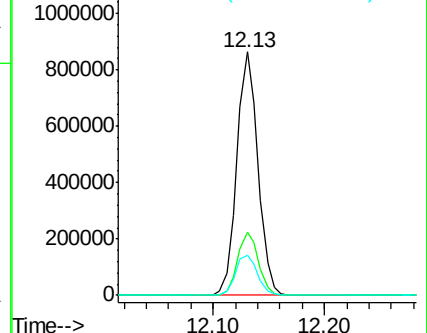
77 17.4 13.9 20.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.780 ug/L

RT: 12.38 min Scan# 1759

Delta R.T. -0.00 min

Lab File: VR026309.D

Acq: 11 Feb 2019 15:17

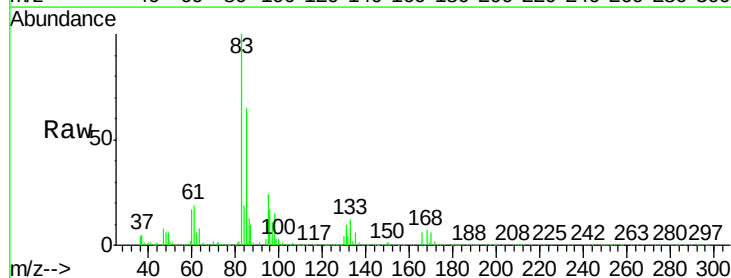
Tgt Ion: 83 Resp: 76735

Ion Ratio Lower Upper

83 100

85 64.8 46.2 85.8

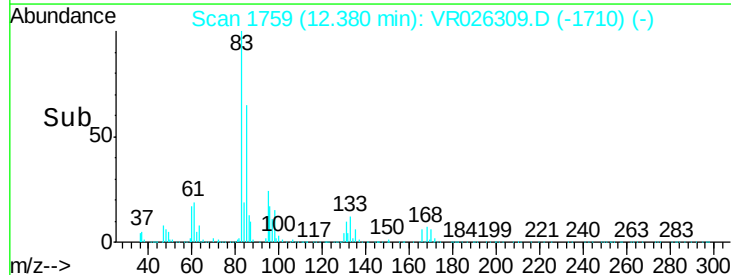
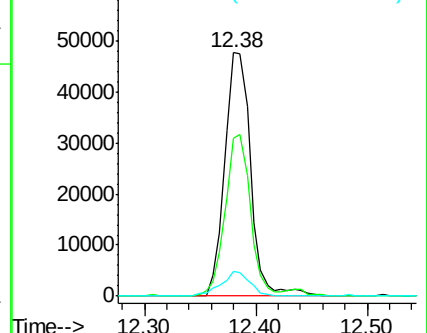
131 10.4 7.3 10.9

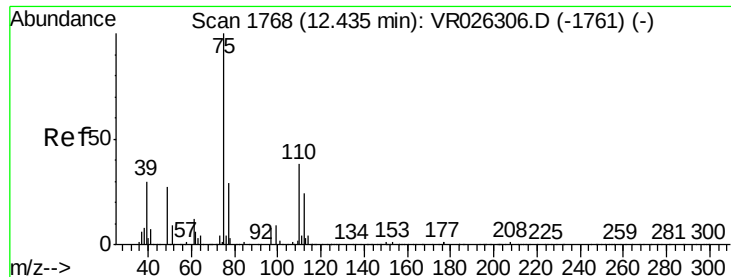


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V

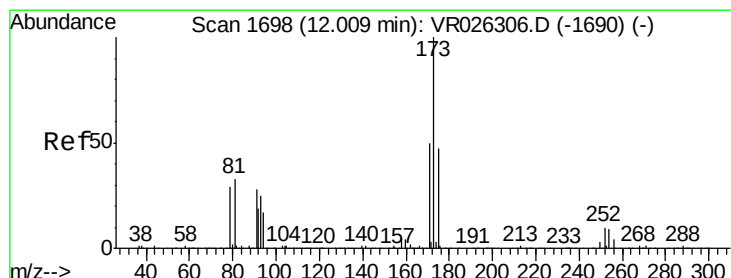
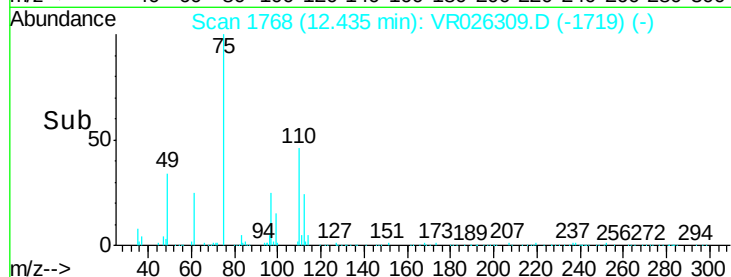
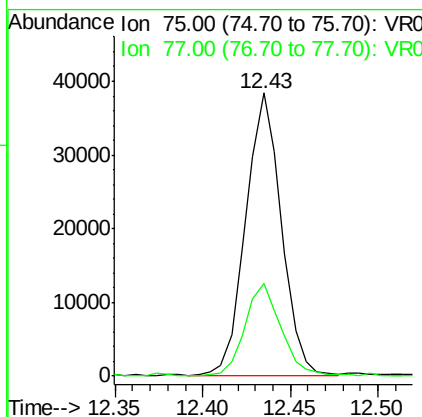
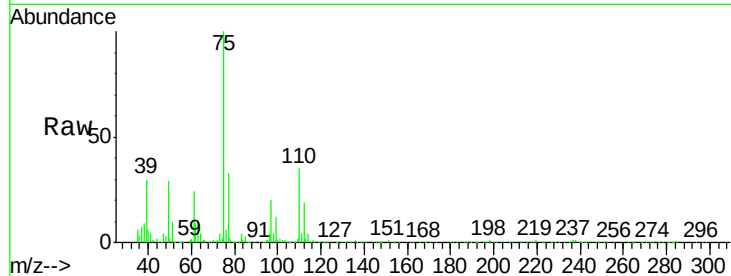




#59
 1,2,3-Trichloropropane
 Concen: 4.680 ug/L
 RT: 12.43 min Scan# 1768
 Delta R.T. -0.00 min
 Lab File: VR026309.D
 Acq: 11 Feb 2019 15:17

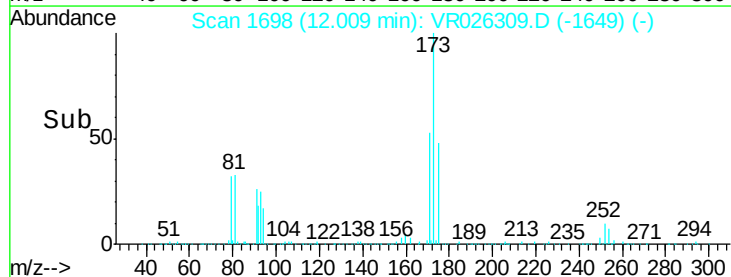
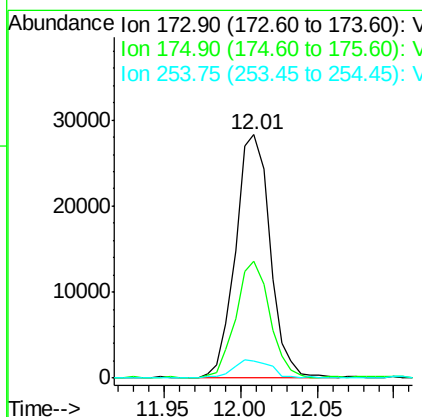
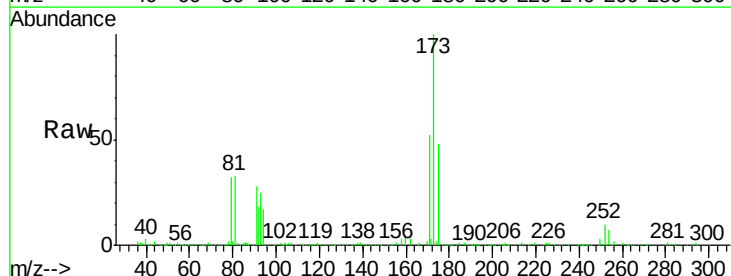
Instrument :
 MSVOA_R
 ClientSampled :
 VICV86

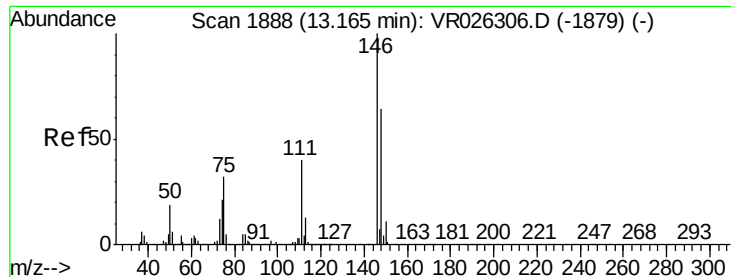
Tgt Ion: 75 Resp: 54139
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.6 38.4



#61
 Bromoform
 Concen: 4.573 ug/L
 RT: 12.01 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VR026309.D
 Acq: 11 Feb 2019 15:17

Tgt Ion: 173 Resp: 44374
 Ion Ratio Lower Upper
 173 100
 175 46.8 37.1 55.7
 254 8.2 8.0 12.0

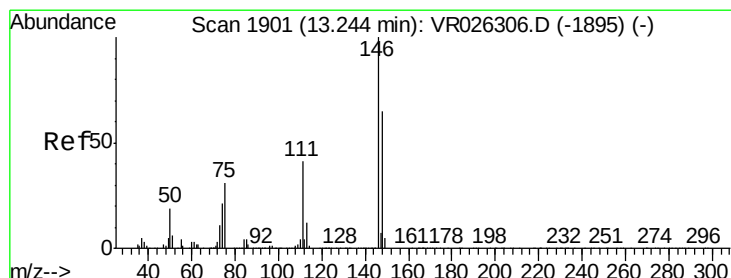
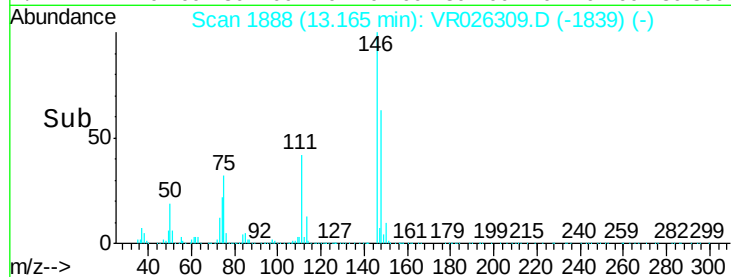
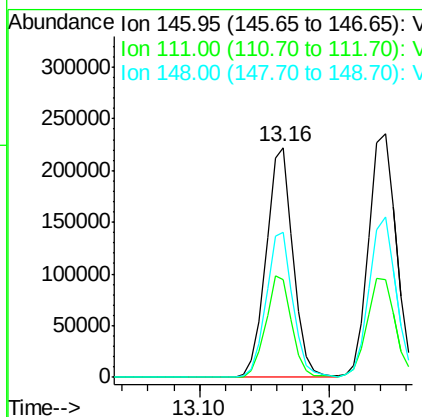
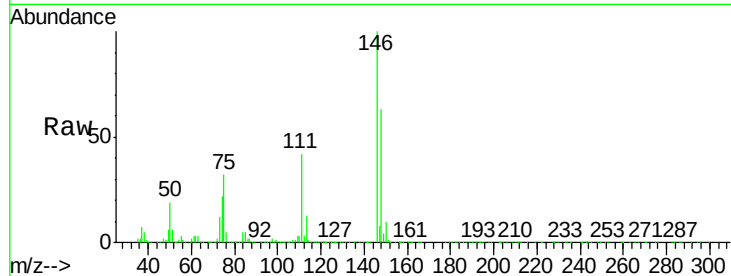




#62
 1,3-Dichlorobenzene
 Concen: 4.986 ug/L
 RT: 13.16 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VR026309.D
 Acq: 11 Feb 2019 15:17

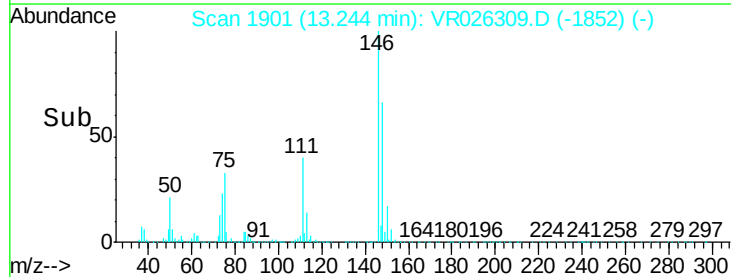
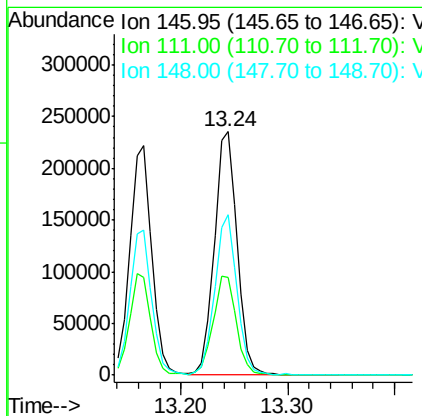
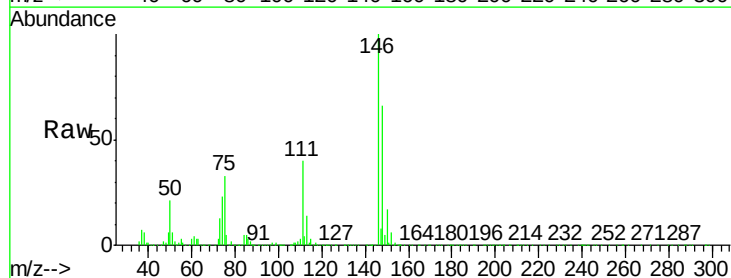
Instrument :
 MSVOA_R
 ClientSampled :
 VICV86

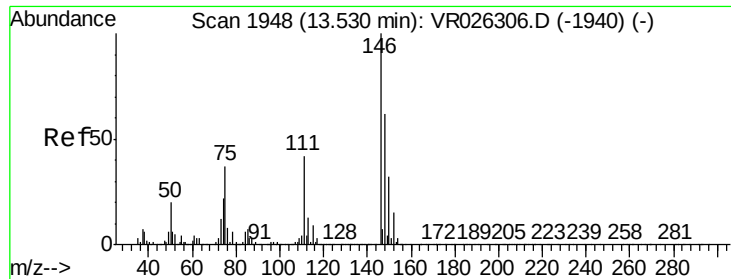
Tgt Ion:146 Resp: 320893
 Ion Ratio Lower Upper
 146 100
 111 42.4 28.1 52.3
 148 63.2 44.7 83.1



#63
 1,4-Dichlorobenzene
 Concen: 4.716 ug/L
 RT: 13.24 min Scan# 1901
 Delta R.T. -0.00 min
 Lab File: VR026309.D
 Acq: 11 Feb 2019 15:17

Tgt Ion:146 Resp: 346498
 Ion Ratio Lower Upper
 146 100
 111 40.0 29.1 54.1
 148 66.1 45.6 84.8

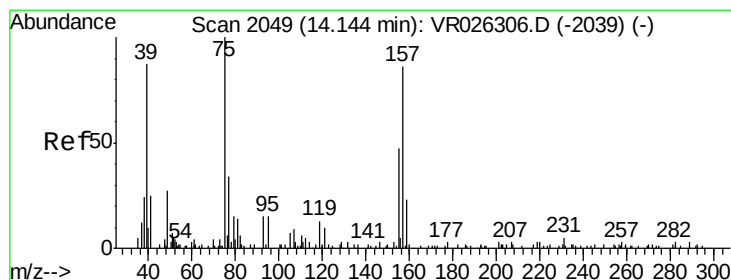
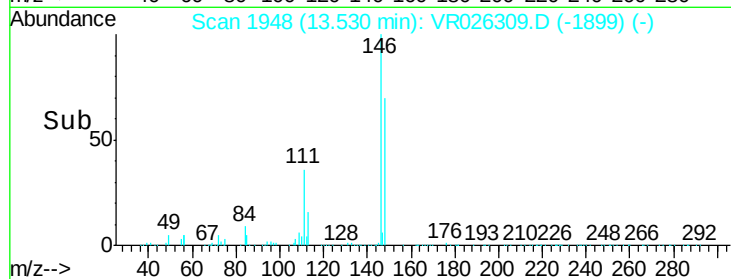
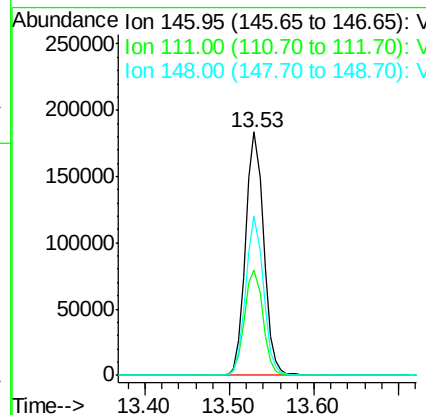
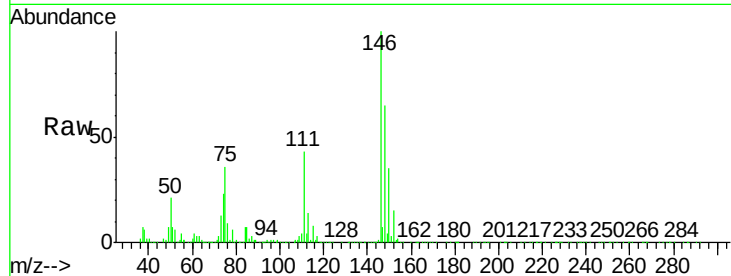




#65
 1,2-Dichlorobenzene
 Concen: 4.739 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. -0.00 min
 Lab File: VR026309.D
 Acq: 11 Feb 2019 15:17

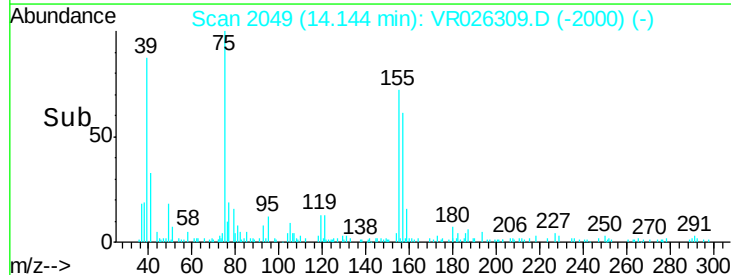
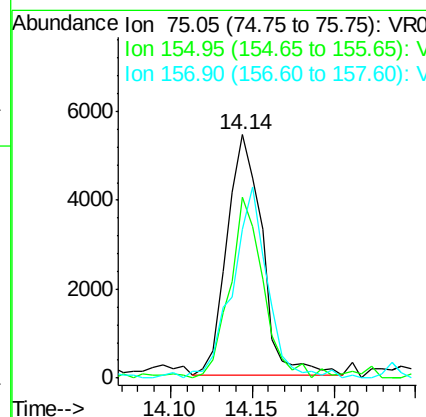
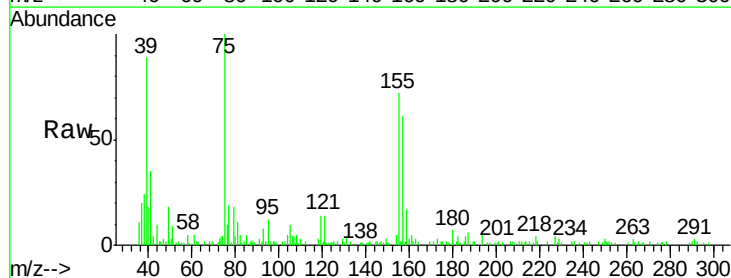
Instrument :
 MSVOA_R
 ClientSampled :
 VICV86

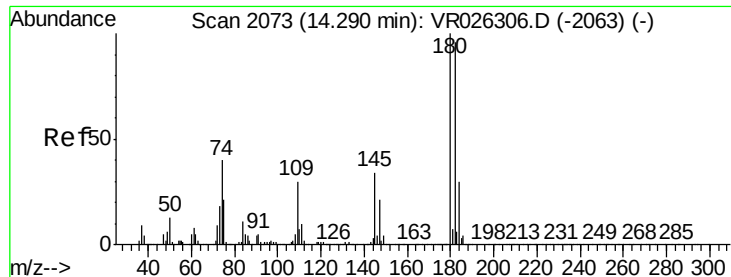
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.1	33.6	50.4
148	65.1	49.4	74.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.086 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VR026309.D
 Acq: 11 Feb 2019 15:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.6	38.0	57.0#
157	61.4	70.4	105.6#





#67

1,3,5-Trichlorobenzene

Concen: 5.074 ug/L

RT: 14.29 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VR026309.D

Acq: 11 Feb 2019 15:17

Instrument :

MSVOA_R

ClientSampleId :

VICV86

Tgt Ion:180 Resp: 209294

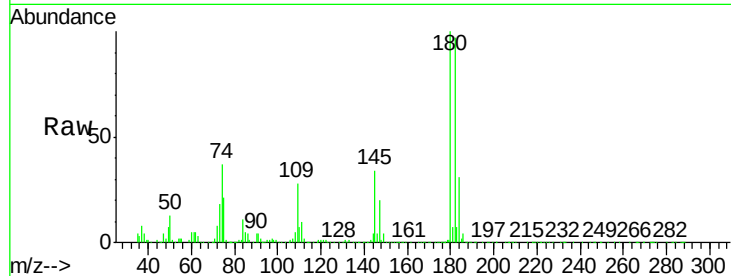
Ion Ratio Lower Upper

180 100

182 93.5 76.0 114.0

184 30.4 23.3 34.9

145 33.0 26.6 39.8

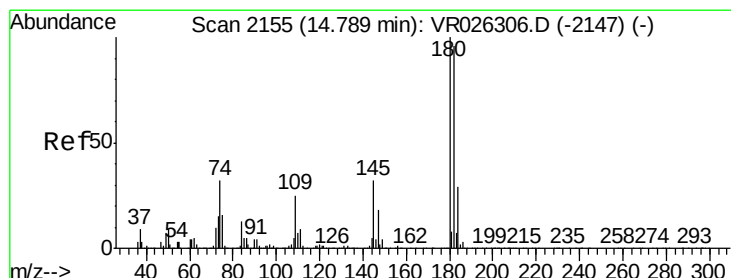
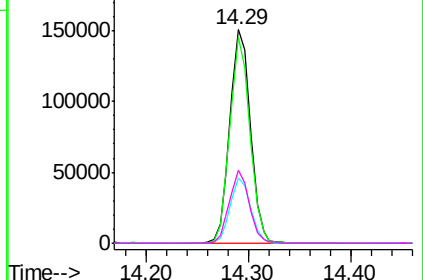
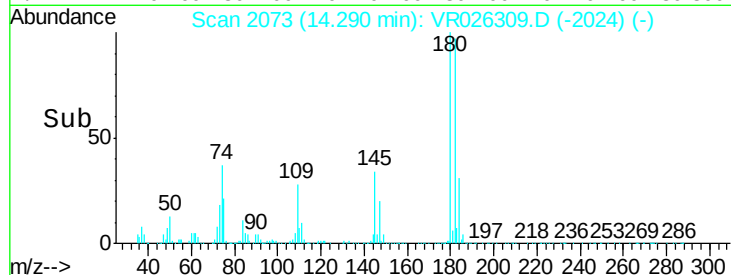


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68

1,2,4-trichlorobenzene

Concen: 5.068 ug/L

RT: 14.78 min Scan# 2154

Delta R.T. -0.01 min

Lab File: VR026309.D

Acq: 11 Feb 2019 15:17

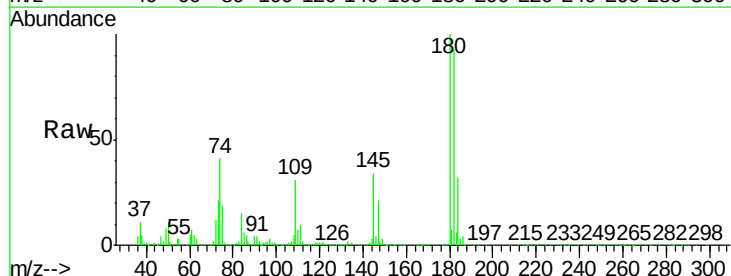
Tgt Ion:180 Resp: 112823

Ion Ratio Lower Upper

180 100

182 96.4 78.7 118.1

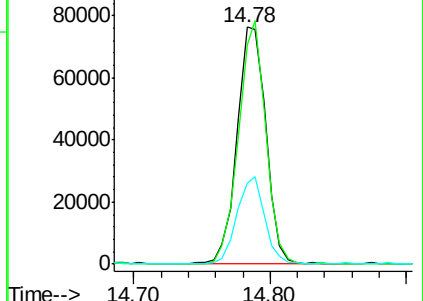
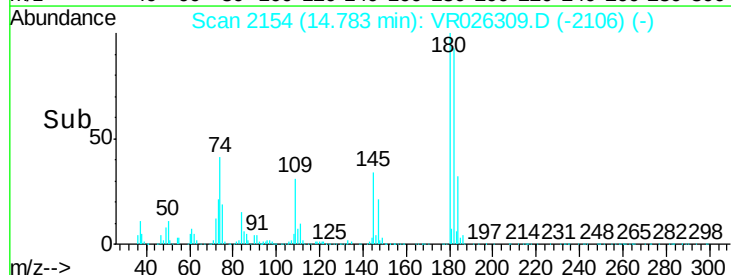
145 35.6 25.9 38.9

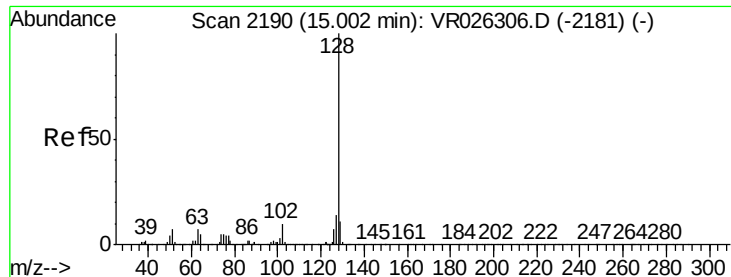


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.252 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VR026309.D

Acq: 11 Feb 2019 15:17

Instrument :

MSVOA_R

ClientSampleId :

VICV86

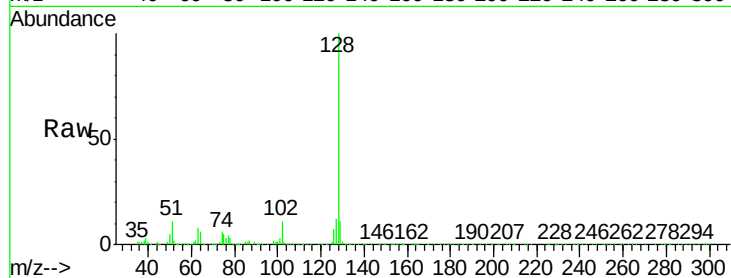
Tgt Ion:128 Resp: 104921

Ion Ratio Lower Upper

128 100

127 13.0 11.7 17.5

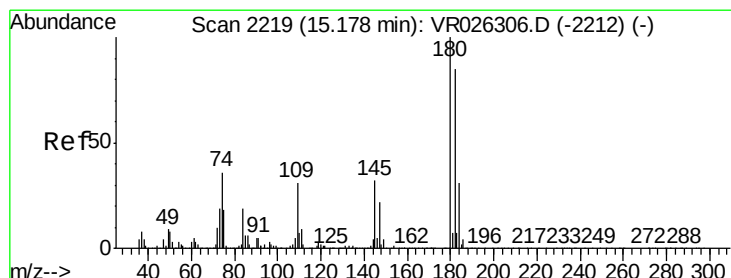
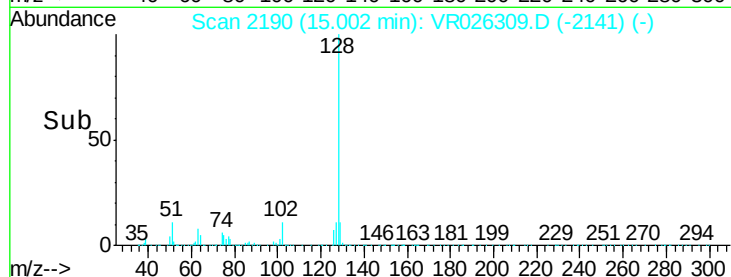
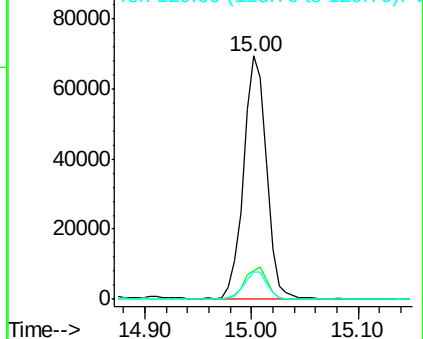
129 11.3 9.6 14.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.439 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VR026309.D

Acq: 11 Feb 2019 15:17

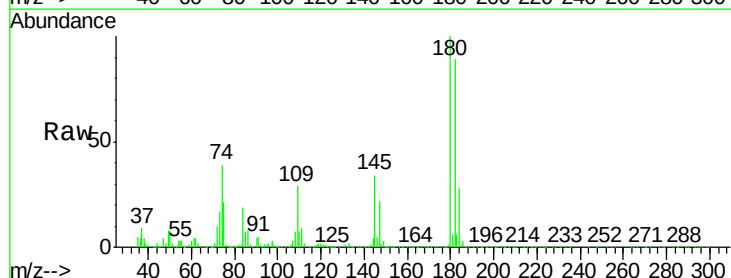
Tgt Ion:180 Resp: 87387

Ion Ratio Lower Upper

180 100

182 91.6 74.6 112.0

145 35.0 28.3 42.5



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

