

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR021119\
 Data File : VR026304.D
 Acq On : 11 Feb 2019 12:10
 Operator : SY/MD
 Sample : VSTD0.581
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.581

Quant Time: Feb 14 04:46:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR021119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Feb 14 04:34:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	592845	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	465135	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	155594	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	28715	0.53	ug/L	0.00
7) Chloroethane-d5	2.63	69	22786	0.51	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.61	63	66477	0.51	ug/L	0.00
20) 2-Butanone-d5	6.58	46	6782	1.96	ug/L	0.00
24) Chloroform-d	7.20	84	44996	0.50	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.89	65	15076	0.46	ug/L	0.00
32) Benzene-d6	7.85	84	70712	0.45	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.90	67	20167	0.50	ug/L	0.00
41) Toluene-d8	9.97	98	60423	0.41	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	4948	0.45	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	6691	2.69	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	7705	0.50	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.52	152	13080	0.50	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.82	85	28236	0.517 ug/L	91
3) Chloromethane	2.01	50	33811	0.542 ug/L	96
5) Vinyl chloride	2.16	62	34258	0.545 ug/L #	82
6) Bromomethane	2.52	94	22102	0.547 ug/L	91
8) Chloroethane	2.66	64	20655	0.547 ug/L	96
9) Trichlorofluoromethane	2.93	101	20299	0.198 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	29667	0.551 ug/L	99
12) 1,1-Dichloroethene	3.62	96	31140	0.550 ug/L	87
13) Acetone	3.70	43	20898	5.749 ug/L	99
14) Carbon disulfide	3.93	76	99731	0.539 ug/L	99
15) Methyl Acetate	4.18	43	2755	0.276 ug/L #	22
16) Methylene chloride	4.40	84	27495	0.573 ug/L	95
17) Methyl tert-butyl Ether	4.88	73	12046	0.241 ug/L #	71
18) trans-1,2-Dichloroethene	4.88	96	26441	0.514 ug/L	96
19) 1,1-Dichloroethane	5.68	63	46479	0.527 ug/L	93
21) 2-Butanone	6.68	43	15260	3.708 ug/L	89
22) cis-1,2-Dichloroethene	6.67	96	17249	0.416 ug/L #	56
23) Bromochloromethane	7.06	128	6615	0.511 ug/L	86
25) Chloroform	7.23	83	43986	0.513 ug/L	91
27) 1,2-Dichloroethane	7.99	62	18635	0.503 ug/L	100
29) 1,1,1-Trichloroethane	7.43	97	42244	0.552 ug/L	96
30) Cyclohexane	7.51	56	21631	0.353 ug/L	98
31) Carbon tetrachloride	7.63	117	40513	0.571 ug/L	98
33) Benzene	7.90	78	89440	0.486 ug/L	100
34) Trichloroethene	8.71	95	25301	0.533 ug/L	96
35) Methylcyclohexane	8.95	83	25849	0.392 ug/L	91
37) 1,2-Dichloropropane	8.99	63	21143	0.532 ug/L #	95
38) Bromodichloromethane	9.28	83	23736	0.536 ug/L #	93
39) cis-1,3-Dichloropropene	9.72	75	16302	0.399 ug/L	98
40) 4-Methyl-2-pentanone	9.87	43	30047	3.280 ug/L	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR021119\
 Data File : VR026304.D
 Acq On : 11 Feb 2019 12:10
 Operator : SY/MD
 Sample : VSTD0.581
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.581

Quant Time: Feb 14 04:46:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR021119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Feb 14 04:34:21 2019
 Response via : Initial Calibration

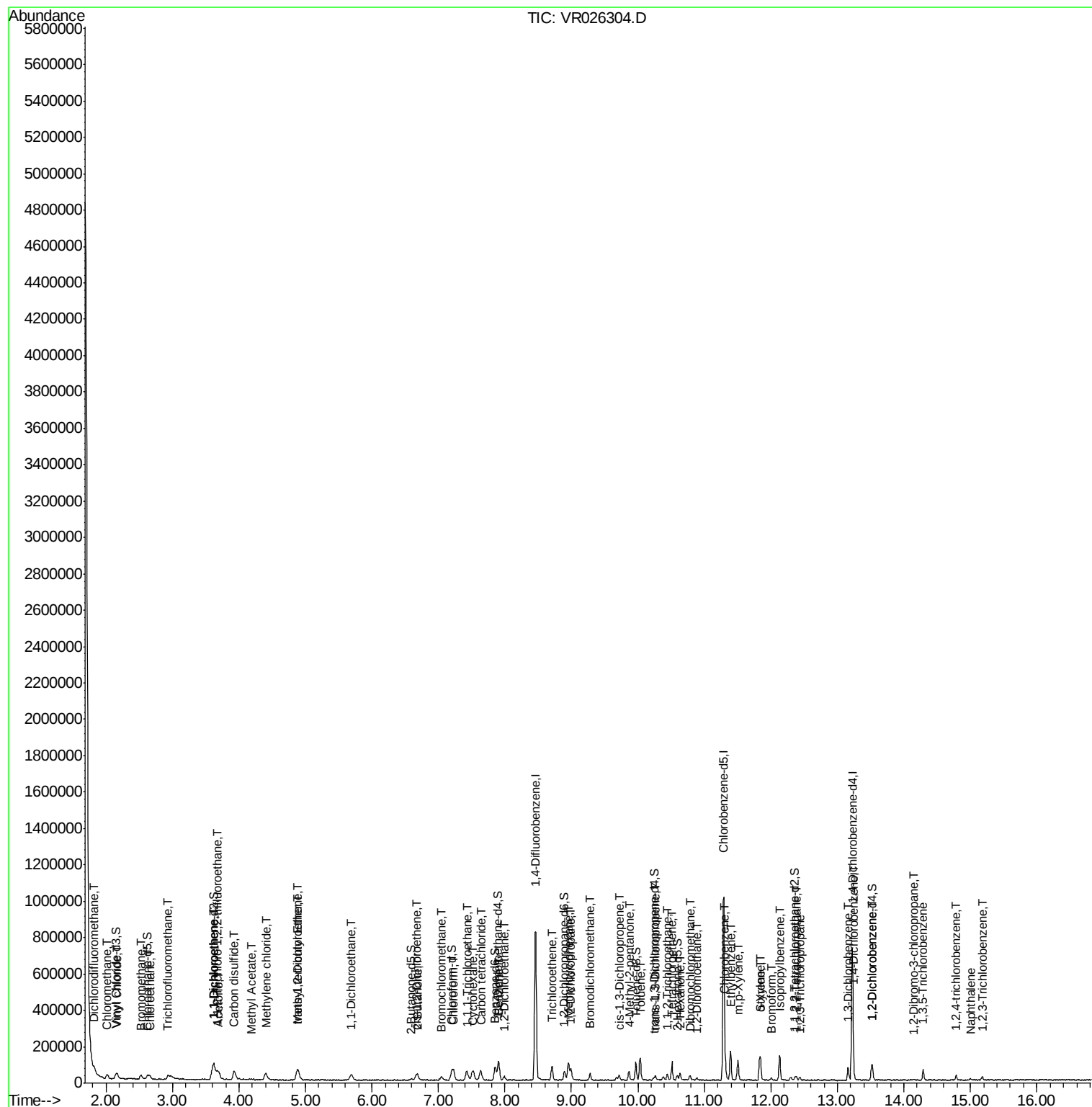
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.04	91	83183	0.440	ug/L	93
44) trans-1,3-Dichloropropene	10.27	75	11984	0.395	ug/L	97
45) 1,1,2-Trichloroethane	10.45	97	9149	0.551	ug/L	89
47) Tetrachloroethene	10.51	164	18971	0.521	ug/L	87
48) 2-Hexanone	10.63	43	20326	3.300	ug/L	93
49) Dibromochloromethane	10.79	129	10575	0.496	ug/L	95
50) 1,2-Dibromoethane	10.89	107	6066	0.460	ug/L #	99
51) Chlorobenzene	11.32	112	55765	0.516	ug/L	91
52) Ethylbenzene	11.39	91	92901	0.439	ug/L	92
53) m,p-Xylene	11.50	106	31834	0.412	ug/L	90
54) o-Xylene	11.83	106	22060	0.331	ug/L	98
55) Styrene	11.84	104	34984	0.334	ug/L	97
56) Isopropylbenzene	12.13	105	67872	0.358	ug/L	96
58) 1,1,2,2-Tetrachloroethane	12.39	83	8312	0.541	ug/L #	90
59) 1,2,3-Trichloropropane	12.43	75	6171	0.557	ug/L	96
61) Bromoform	12.01	173	4430	0.578	ug/L #	88
62) 1,3-Dichlorobenzene	13.16	146	23773	0.468	ug/L	91
63) 1,4-Dichlorobenzene	13.24	146	31332	0.540	ug/L	93
65) 1,2-Dichlorobenzene	13.53	146	21282	0.489	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.14	75	1180	0.844	ug/L #	73
67) 1,3,5-Trichlorobenzene	14.28	180	14951	0.459	ug/L	89
68) 1,2,4-trichlorobenzene	14.78	180	7611	0.433	ug/L	91
69) Naphthalene	15.00	128	5320	0.337	ug/L #	92
70) 1,2,3-Trichlorobenzene	15.18	180	5663	0.446	ug/L	98

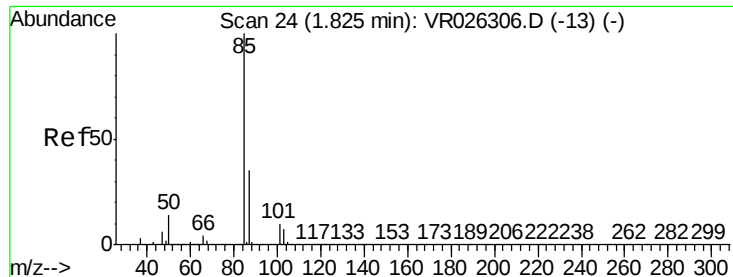
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR021119\
Data File : VR026304.D
Acq On : 11 Feb 2019 12:10
Operator : SY/MD
Sample : VSTD0.581
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.581

Quant Time: Feb 14 04:46:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR021119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Feb 14 04:34:21 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.517 ug/L

RT: 1.82 min Scan# 24

Delta R.T. -0.00 min

Lab File: VR026304.D

Acq: 11 Feb 2019 12:10

Instrument :

MSVOA_R

ClientSampleId :

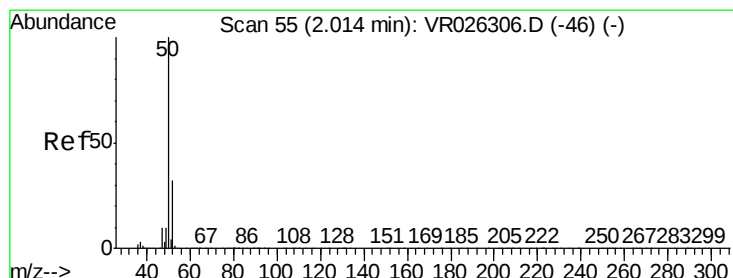
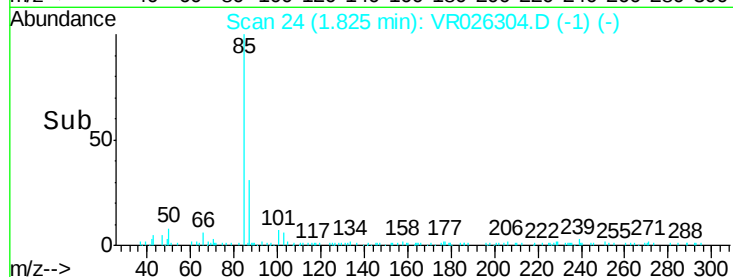
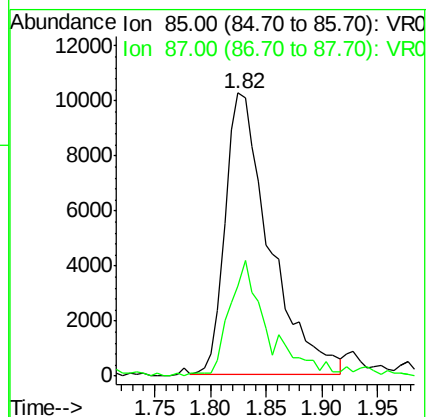
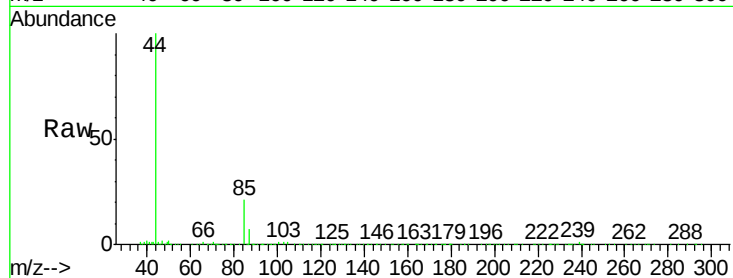
VSTD0.581

Tgt Ion: 85 Resp: 28236

Ion Ratio Lower Upper

85 100

87 27.8 26.2 39.2



#3

Chloromethane

Concen: 0.542 ug/L

RT: 2.01 min Scan# 55

Delta R.T. -0.00 min

Lab File: VR026304.D

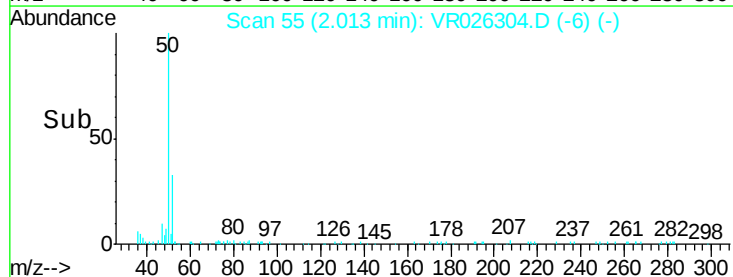
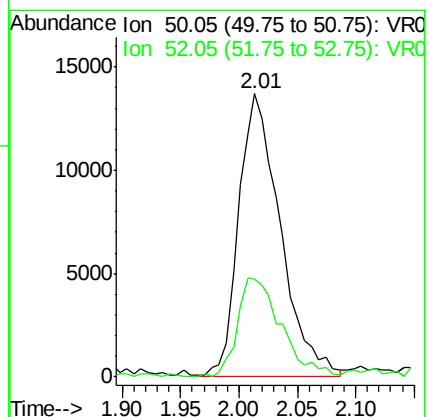
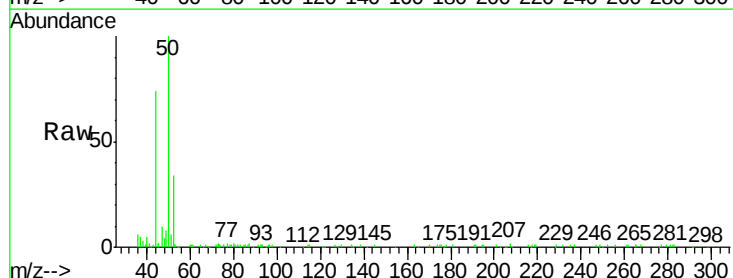
Acq: 11 Feb 2019 12:10

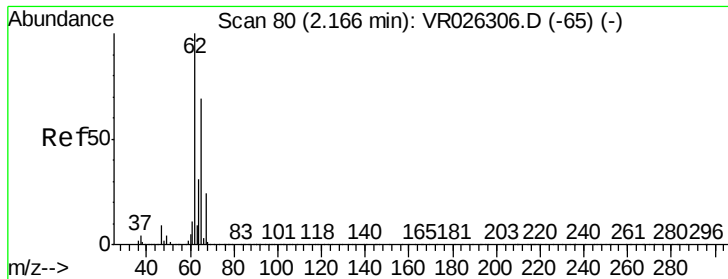
Tgt Ion: 50 Resp: 33811

Ion Ratio Lower Upper

50 100

52 34.3 22.3 41.5





#5

Vinyl chloride

Concen: 0.545 ug/L

RT: 2.16 min Scan# 79

Delta R.T. -0.01 min

Lab File: VR026304.D

Acq: 11 Feb 2019 12:10

Instrument :

MSVOA_R

ClientSampleId :

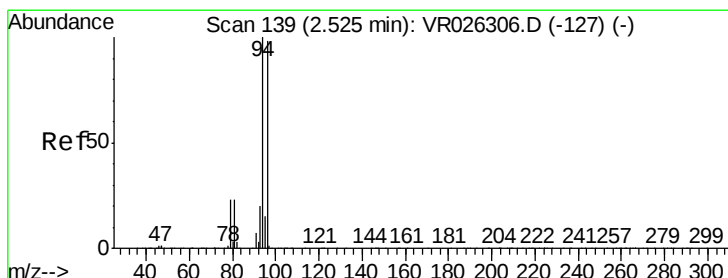
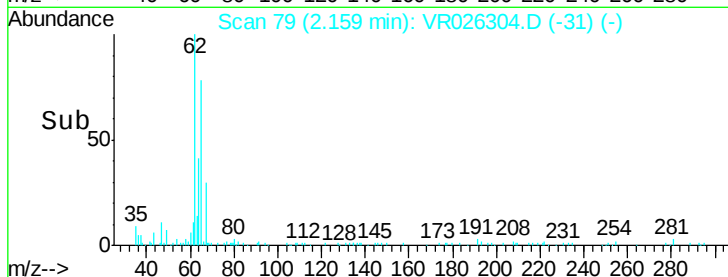
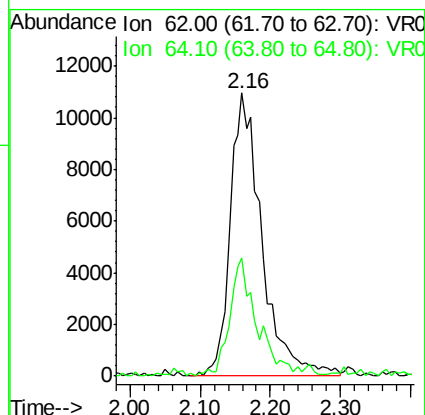
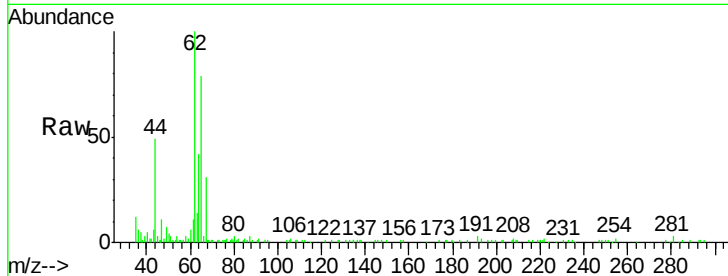
VSTD0.581

Tgt Ion: 62 Resp: 34258

Ion Ratio Lower Upper

62 100

64 41.8 22.2 41.2#



#6

Bromomethane

Concen: 0.547 ug/L

RT: 2.52 min Scan# 139

Delta R.T. -0.00 min

Lab File: VR026304.D

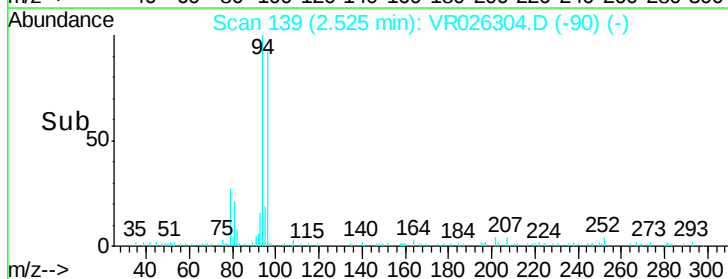
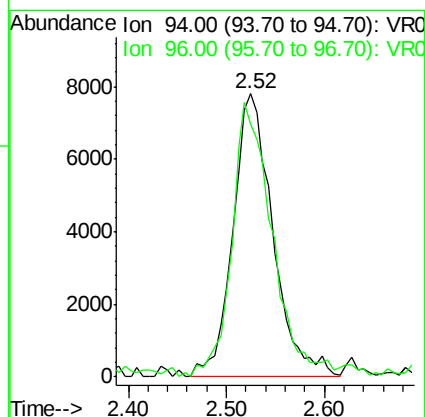
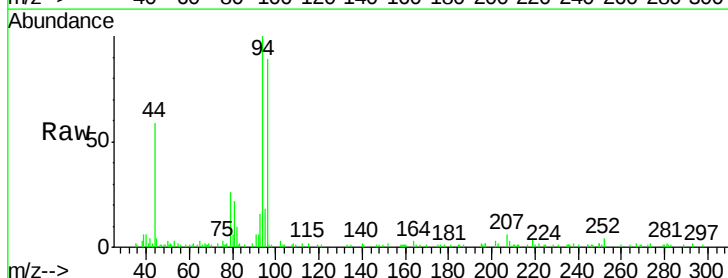
Acq: 11 Feb 2019 12:10

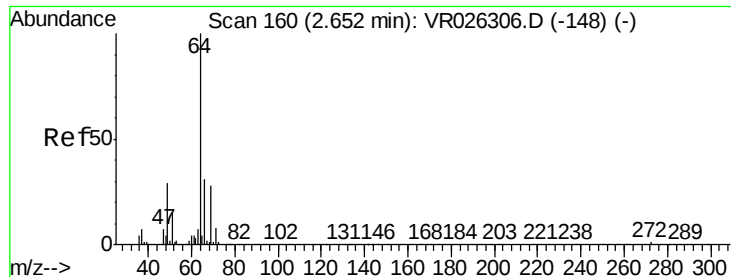
Tgt Ion: 94 Resp: 22102

Ion Ratio Lower Upper

94 100

96 89.4 68.6 127.4





#8

Chloroethane

Concen: 0.547 ug/L

RT: 2.66 min Scan# 161

Delta R.T. 0.01 min

Lab File: VR026304.D

Acq: 11 Feb 2019 12:10

Instrument :

MSVOA_R

ClientSampleId :

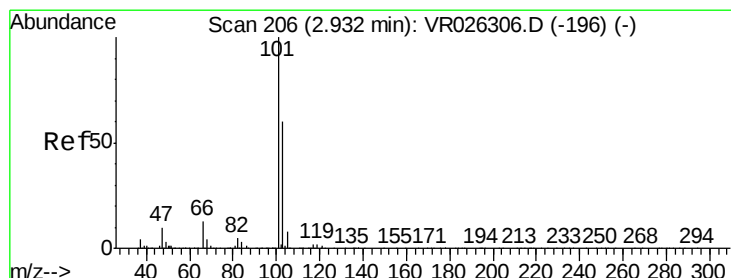
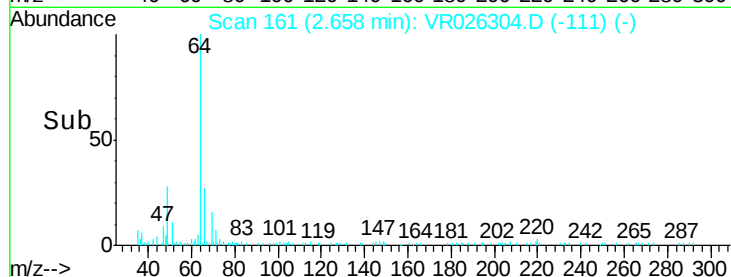
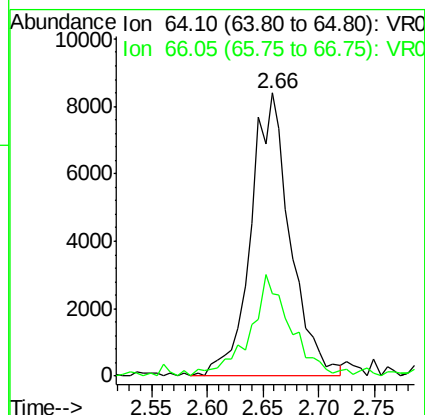
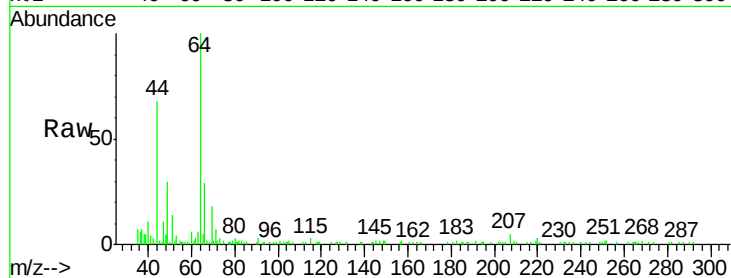
VSTD0.581

Tgt Ion: 64 Resp: 20655

Ion Ratio Lower Upper

64 100

66 29.3 22.0 40.8



#9

Trichlorofluoromethane

Concen: 0.198 ug/L

RT: 2.93 min Scan# 206

Delta R.T. -0.00 min

Lab File: VR026304.D

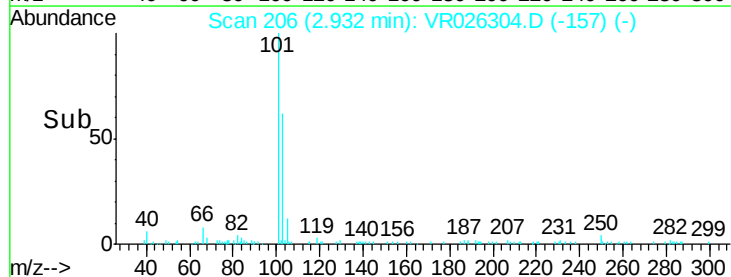
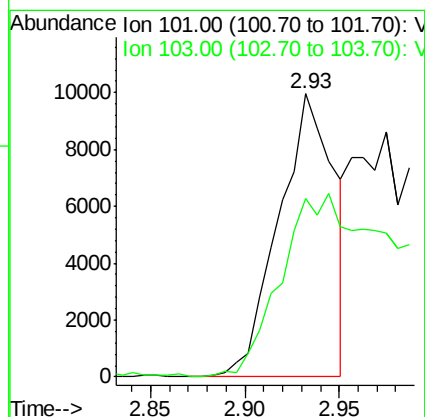
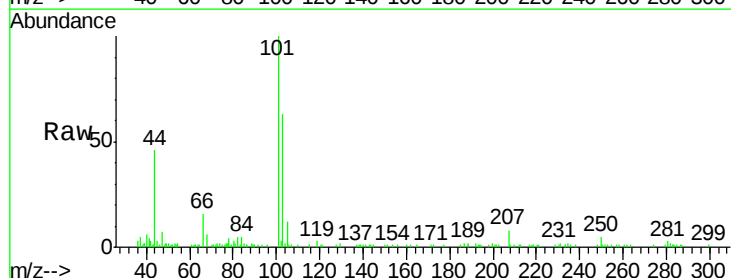
Acq: 11 Feb 2019 12:10

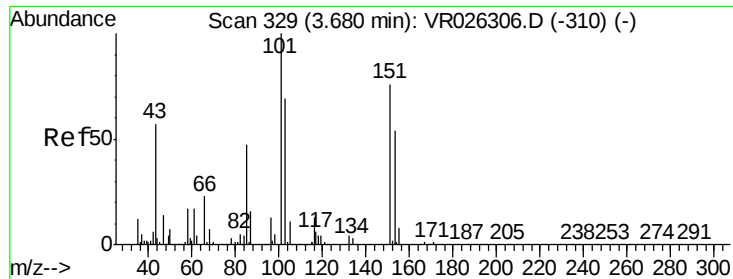
Tgt Ion: 101 Resp: 20299

Ion Ratio Lower Upper

101 100

103 164.6 23.5 35.3#





#10

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

Concen: 0.551 ug/L

RT: 3.67 min Scan# 327

Delta R.T. -0.01 min

Lab File: VR026304.D

Acq: 11 Feb 2019 12:10

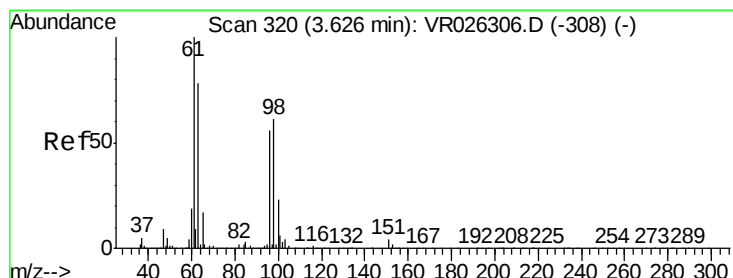
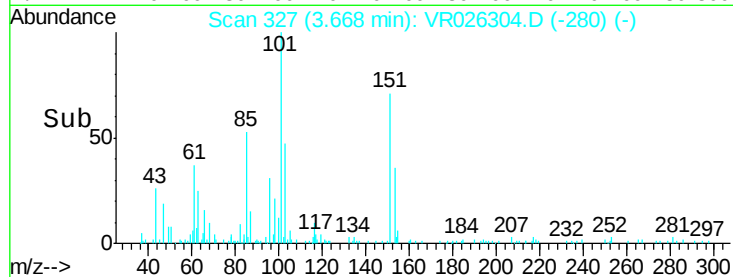
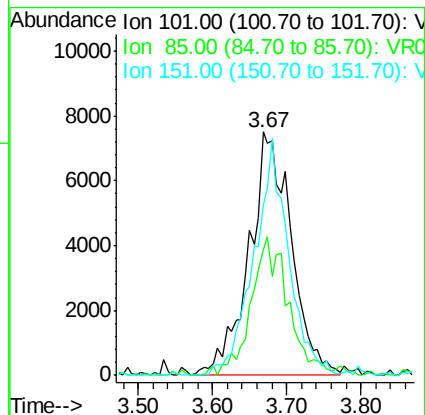
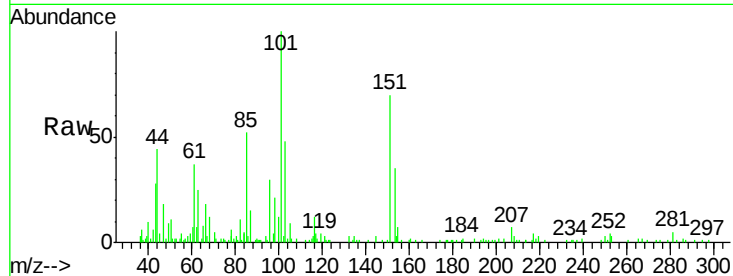
Instrument :

MSVOA_R

ClientSampleId :

VSTD0.581

Tgt Ion:	101	Resp:	29667
Ion Ratio	Lower	Upper	
101	100		
85	49.7	39.0	58.6
151	79.6	63.1	94.7



#12

1,1-Dichloroethene

Concen: 0.550 ug/L

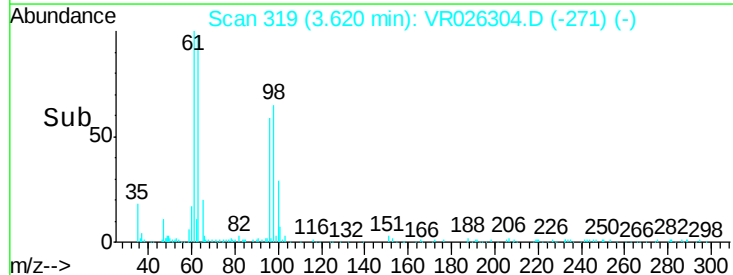
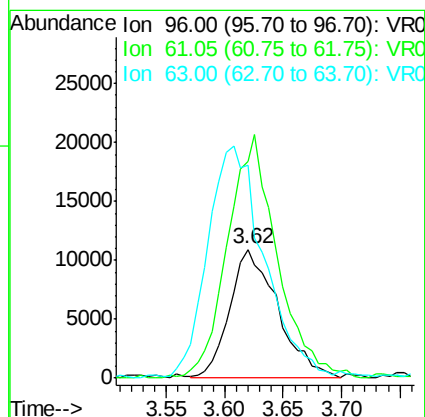
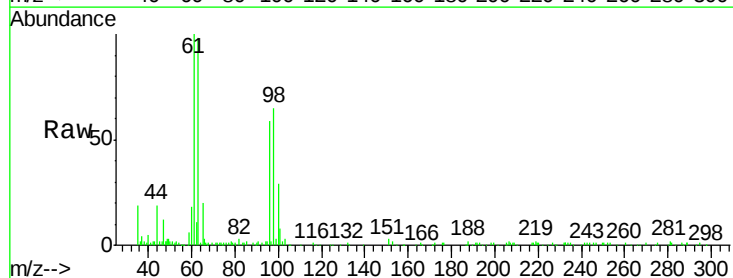
RT: 3.62 min Scan# 319

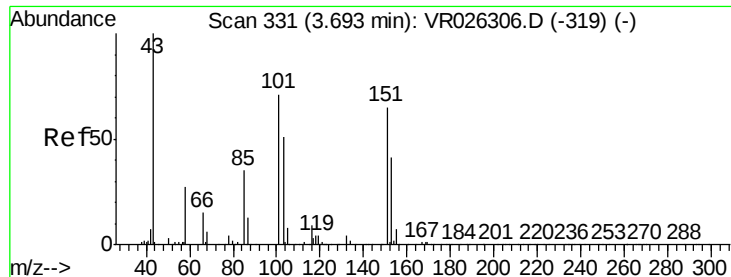
Delta R.T. -0.01 min

Lab File: VR026304.D

Acq: 11 Feb 2019 12:10

Tgt Ion:	96	Resp:	31140
Ion Ratio	Lower	Upper	
96	100		
61	168.6	126.0	234.0
63	165.4	99.7	185.1





#13

Acetone

Concen: 5.749 ug/L

RT: 3.70 min Scan# 332

Delta R.T. 0.01 min

Lab File: VR026304.D

Acq: 11 Feb 2019 12:10

Instrument :

MSVOA_R

ClientSampleId :

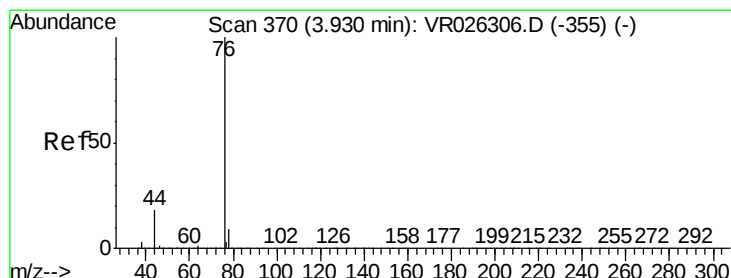
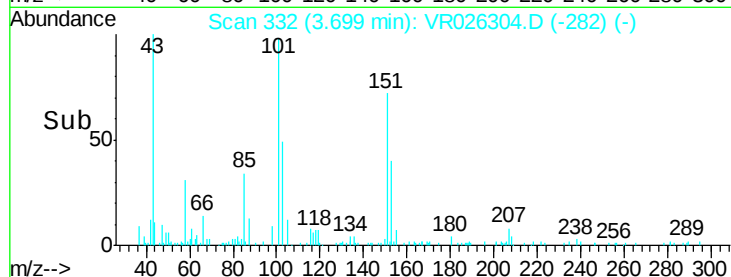
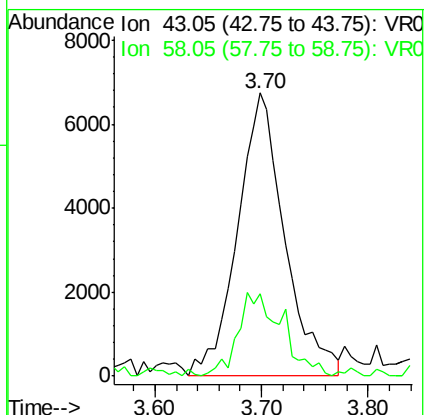
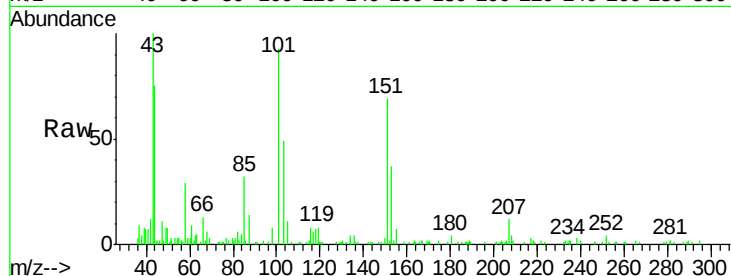
VSTD0.581

Tgt Ion: 43 Resp: 20898

Ion Ratio Lower Upper

43 100

58 27.8 0.0 56.6



#14

Carbon disulfide

Concen: 0.539 ug/L

RT: 3.93 min Scan# 370

Delta R.T. -0.00 min

Lab File: VR026304.D

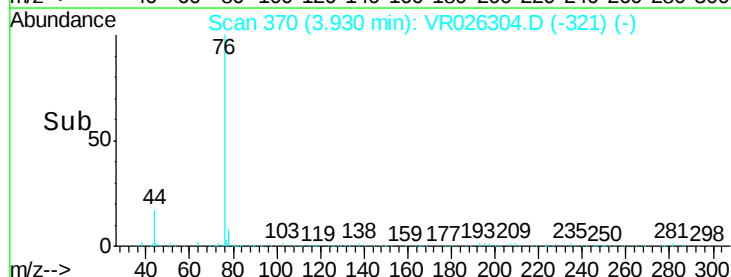
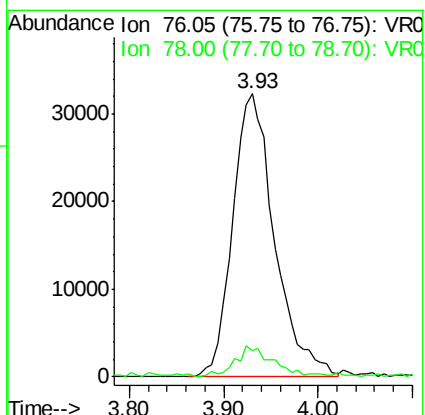
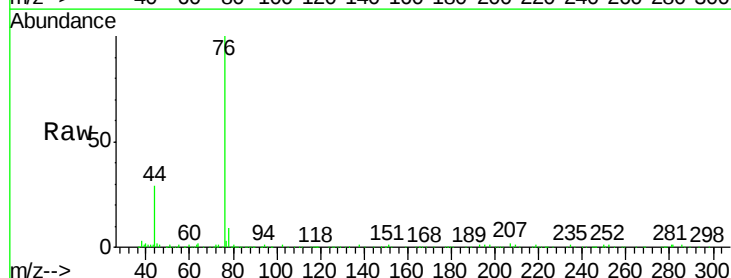
Acq: 11 Feb 2019 12:10

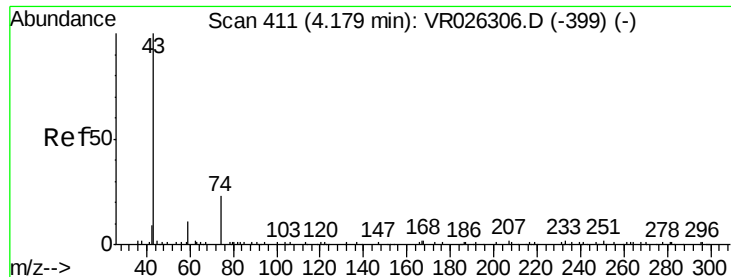
Tgt Ion: 76 Resp: 99731

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8

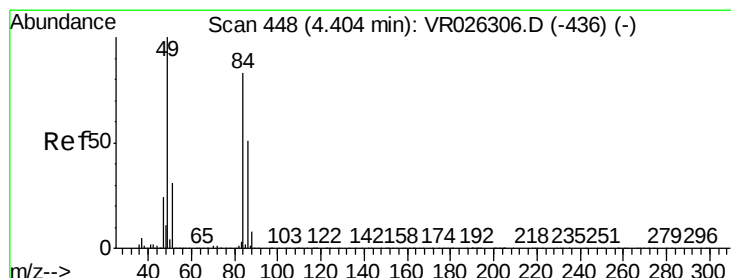
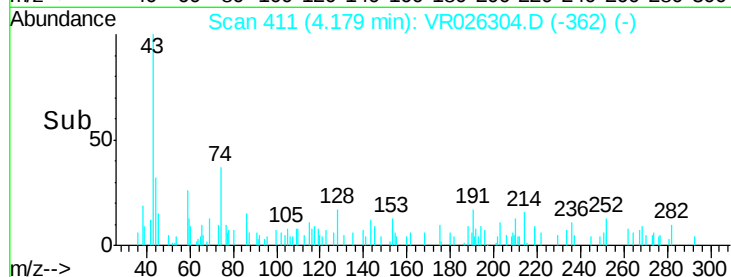
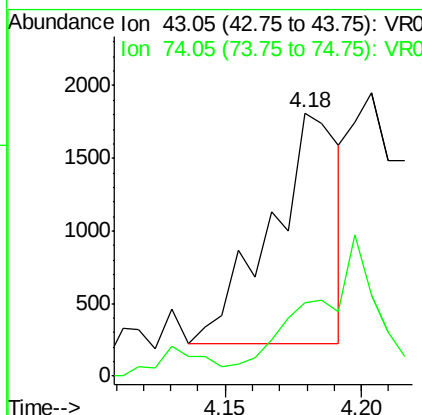
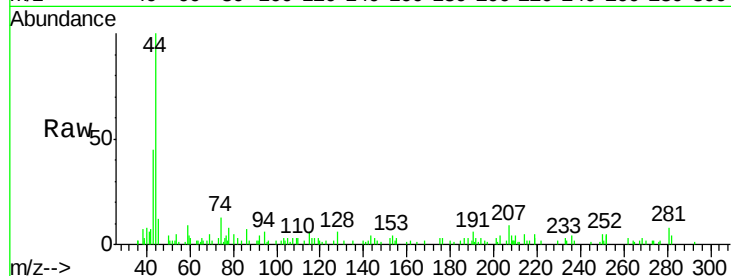




#15
Methyl Acetate
Concen: 0.276 ug/L
RT: 4.18 min Scan# 411
Delta R.T. -0.00 min
Lab File: VR026304.D
Acq: 11 Feb 2019 12:10

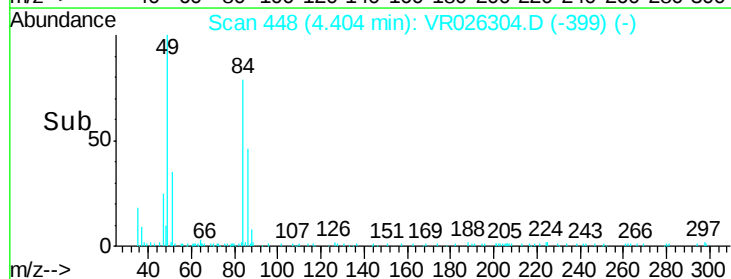
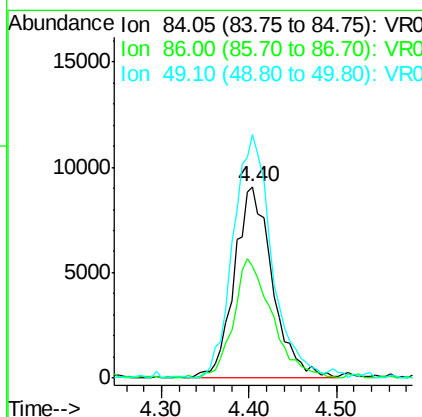
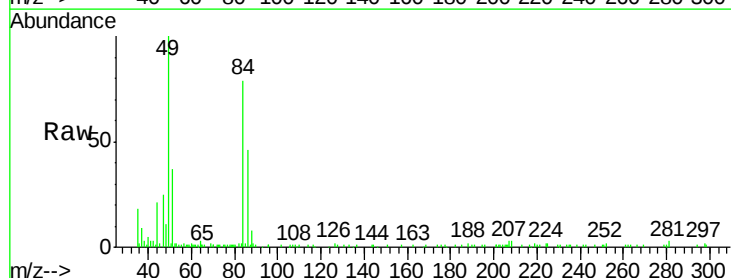
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.581

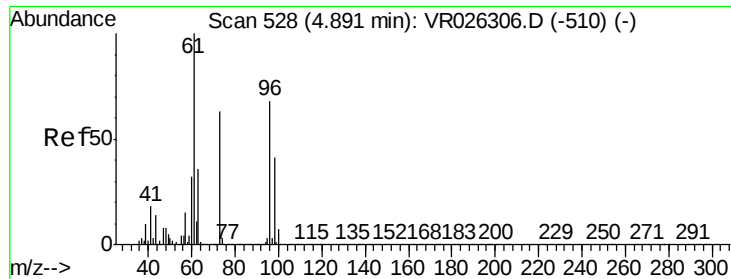
Tgt Ion: 43 Resp: 2755
Ion Ratio Lower Upper
43 100
74 60.8 18.4 27.6#



#16
Methylene chloride
Concen: 0.573 ug/L
RT: 4.40 min Scan# 448
Delta R.T. -0.00 min
Lab File: VR026304.D
Acq: 11 Feb 2019 12:10

Tgt Ion: 84 Resp: 27495
Ion Ratio Lower Upper
84 100
86 58.7 42.6 79.2
49 127.3 84.2 156.4

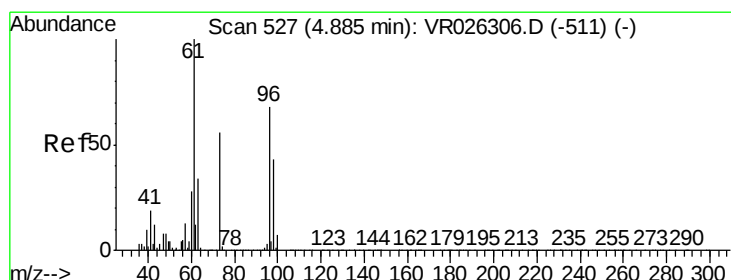
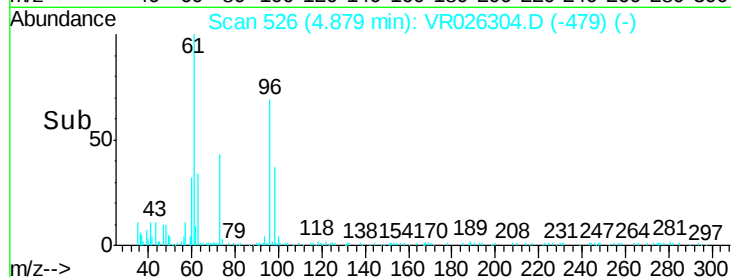
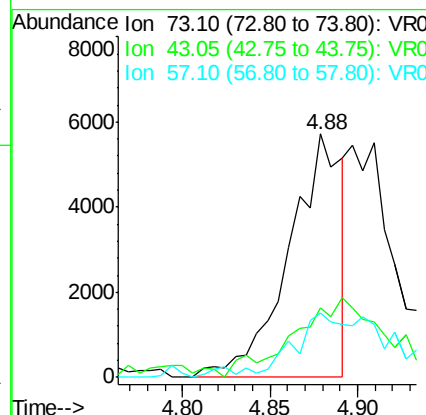
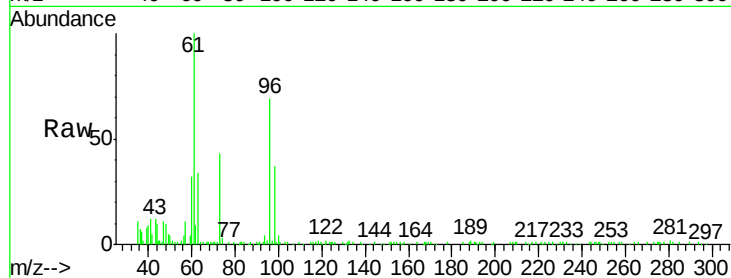




#17
Methyl tert-butyl Ether
Concen: 0.241 ug/L
RT: 4.88 min Scan# 526
Delta R.T. -0.01 min
Lab File: VR026304.D
Acq: 11 Feb 2019 12:10

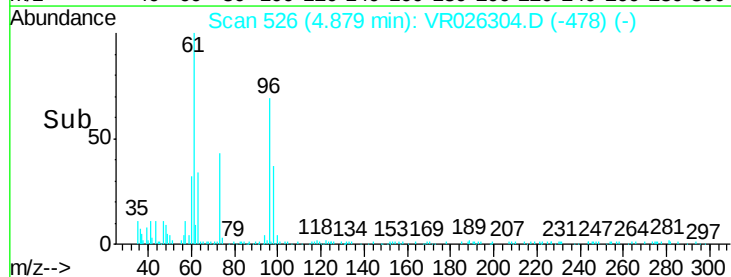
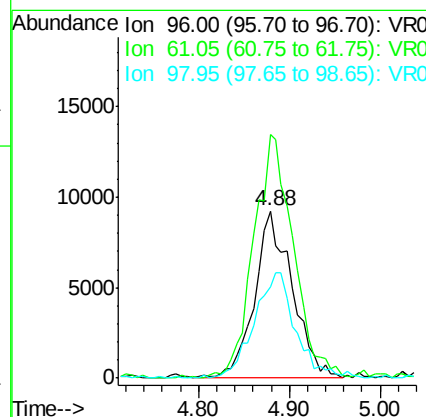
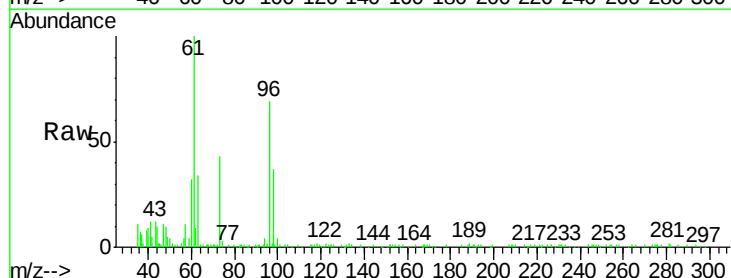
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.581

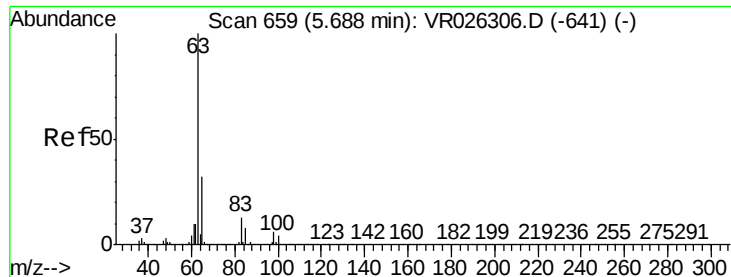
Tgt Ion: 73 Resp: 12046
Ion Ratio Lower Upper
73 100
43 49.5 17.5 26.3#
57 23.9 18.6 28.0



#18
trans-1,2-Dichloroethene
Concen: 0.514 ug/L
RT: 4.88 min Scan# 526
Delta R.T. -0.01 min
Lab File: VR026304.D
Acq: 11 Feb 2019 12:10

Tgt Ion: 96 Resp: 26441
Ion Ratio Lower Upper
96 100
61 145.5 102.5 190.3
98 54.5 43.9 81.5





#19

1,1-Dichloroethane

Concen: 0.527 ug/L

RT: 5.68 min Scan# 658

Delta R.T. -0.01 min

Lab File: VR026304.D

Acq: 11 Feb 2019 12:10

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.581

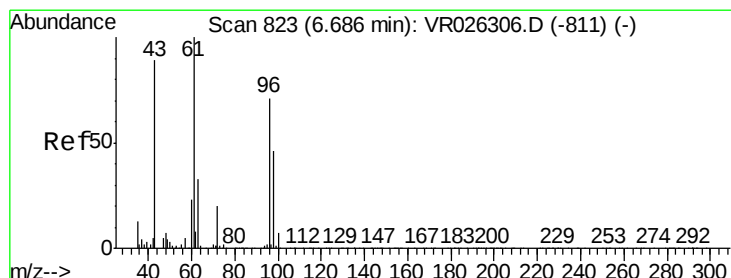
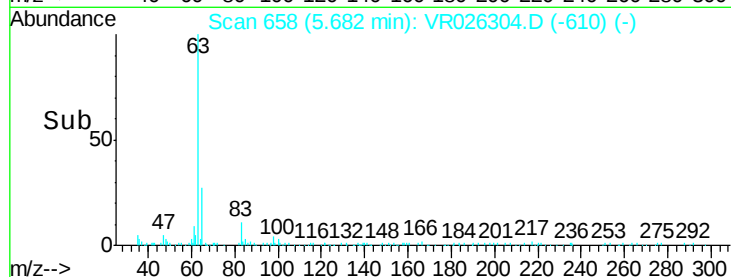
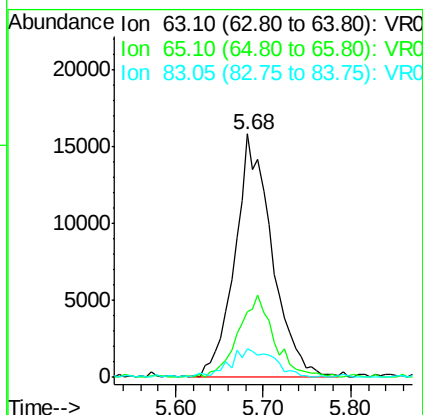
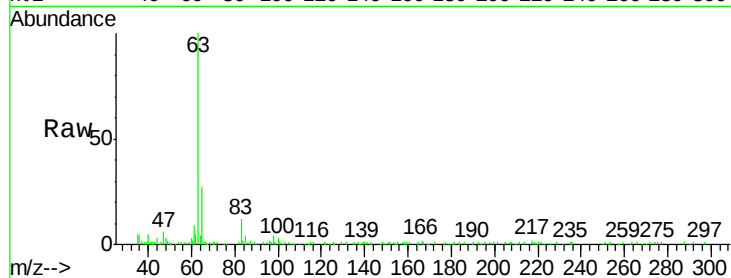
Tgt Ion: 63 Resp: 46479

Ion Ratio Lower Upper

63 100

65 27.0 22.3 41.3

83 11.6 8.9 16.5



#21

2-Butanone

Concen: 3.708 ug/L

RT: 6.68 min Scan# 822

Delta R.T. -0.01 min

Lab File: VR026304.D

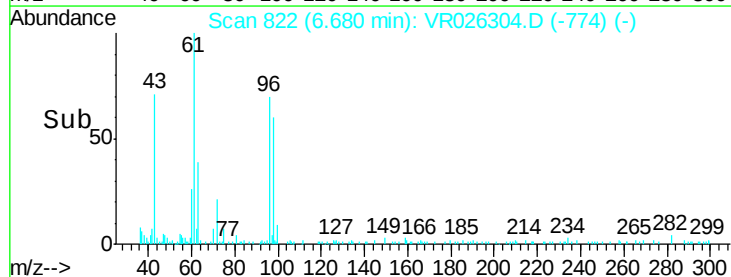
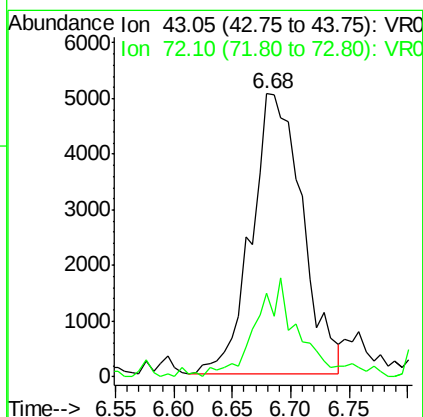
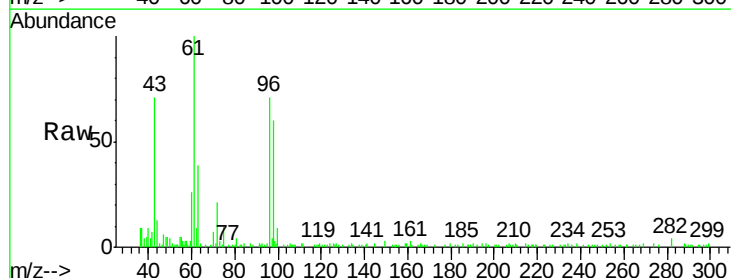
Acq: 11 Feb 2019 12:10

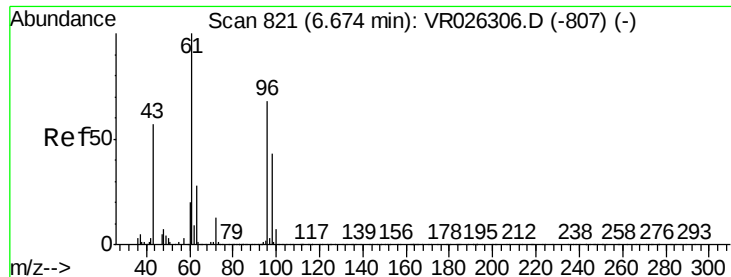
Tgt Ion: 43 Resp: 15260

Ion Ratio Lower Upper

43 100

72 28.6 11.7 35.1





#22

cis-1,2-Dichloroethene

Concen: 0.416 ug/L

RT: 6.67 min Scan# 820

Delta R.T. -0.01 min

Lab File: VR026304.D

Acq: 11 Feb 2019 12:10

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.581

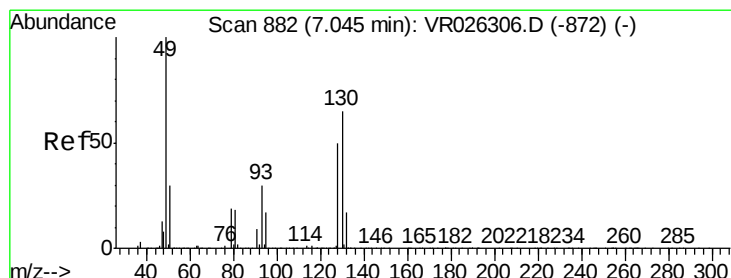
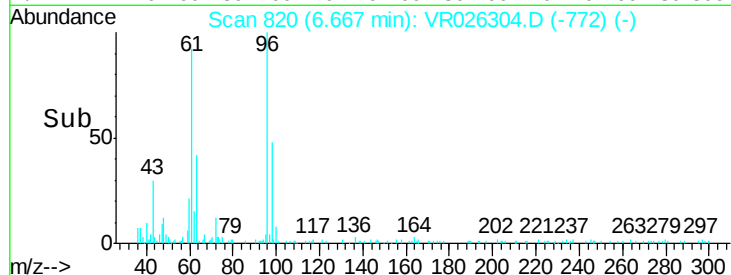
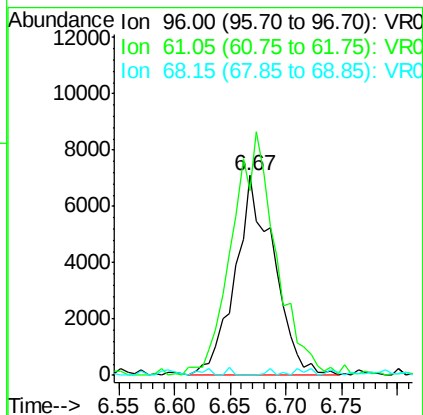
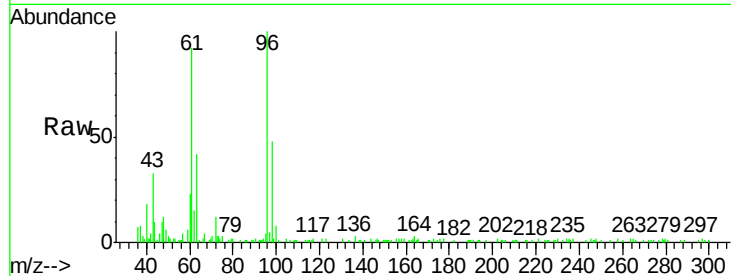
Tgt Ion: 96 Resp: 17249

Ion Ratio Lower Upper

96 100

61 92.1 103.3 191.9#

68 0.0 0.1 0.3#



#23

Bromochloromethane

Concen: 0.511 ug/L

RT: 7.06 min Scan# 884

Delta R.T. 0.01 min

Lab File: VR026304.D

Acq: 11 Feb 2019 12:10

Tgt Ion: 128 Resp: 6615

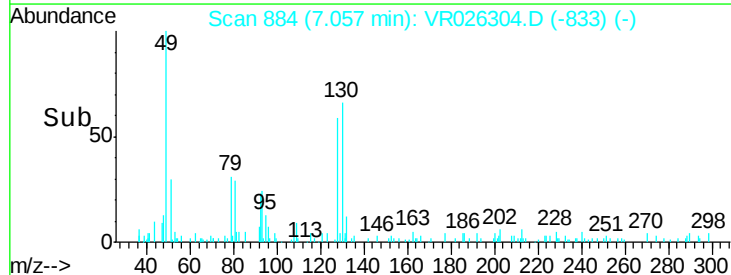
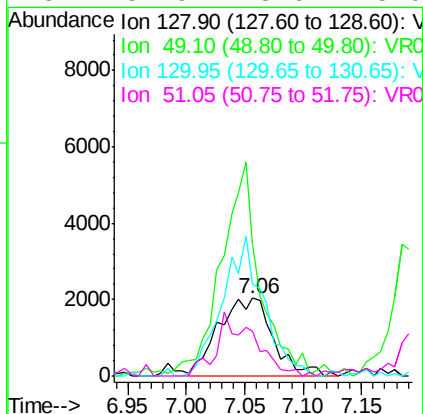
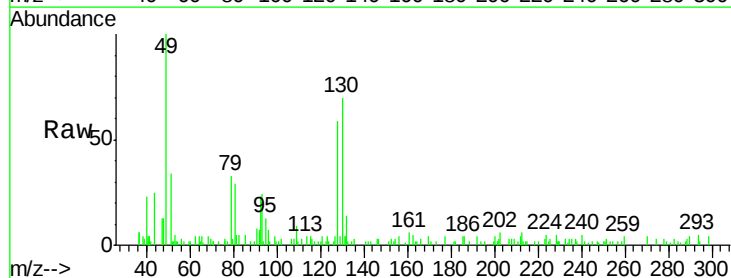
Ion Ratio Lower Upper

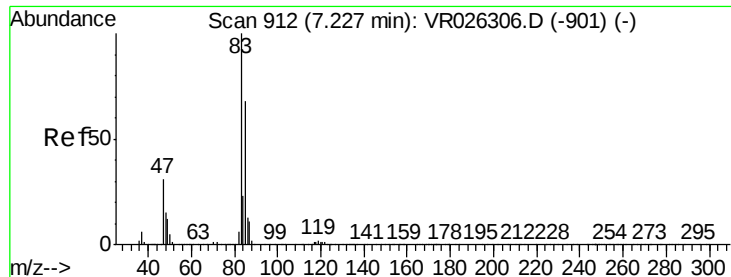
128 100

49 170.5 140.6 261.2

130 119.0 91.1 169.1

51 57.9 48.6 73.0

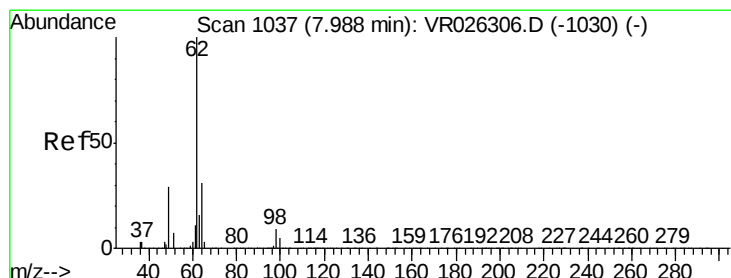
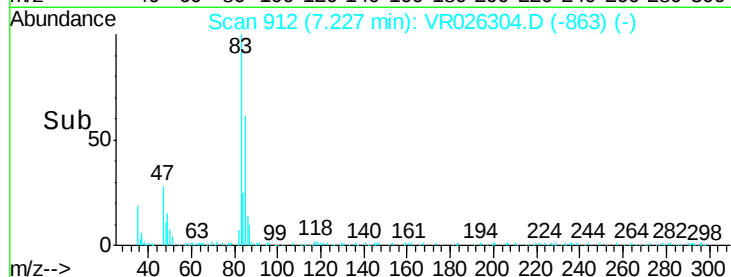
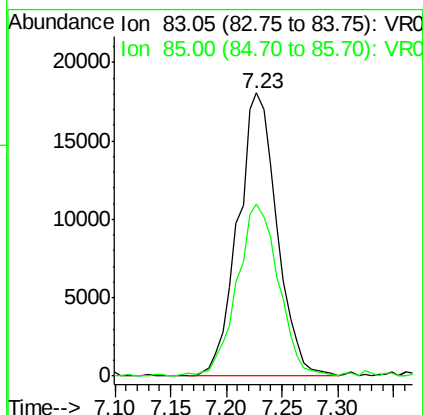
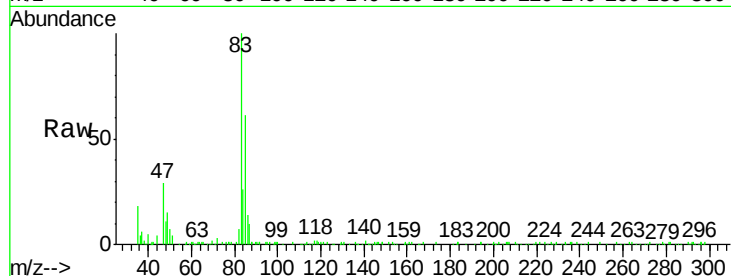




#25
Chloroform
Concen: 0.513 ug/L
RT: 7.23 min Scan# 912
Delta R.T. -0.00 min
Lab File: VR026304.D
Acq: 11 Feb 2019 12:10

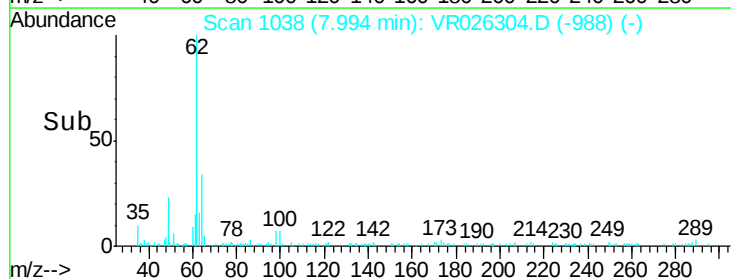
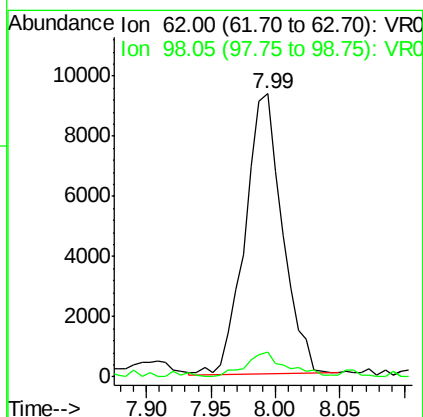
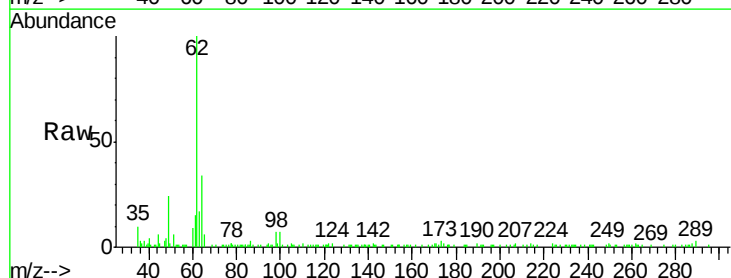
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.581

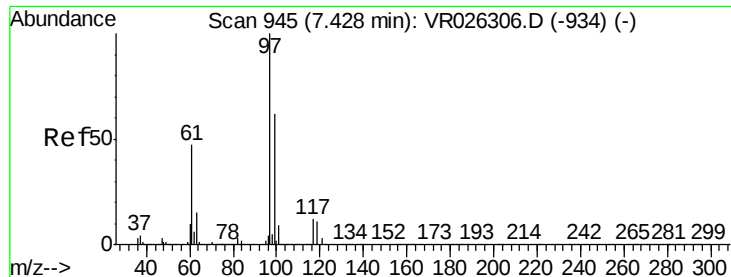
Tgt Ion: 83 Resp: 43986
Ion Ratio Lower Upper
83 100
85 60.8 47.6 88.4



#27
1,2-Dichloroethane
Concen: 0.503 ug/L
RT: 7.99 min Scan# 1038
Delta R.T. 0.01 min
Lab File: VR026304.D
Acq: 11 Feb 2019 12:10

Tgt Ion: 62 Resp: 18635
Ion Ratio Lower Upper
62 100
98 8.7 7.0 10.6





#29

1,1,1-Trichloroethane

Concen: 0.552 ug/L

RT: 7.43 min Scan# 946

Delta R.T. 0.01 min

Lab File: VR026304.D

Acq: 11 Feb 2019 12:10

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.581

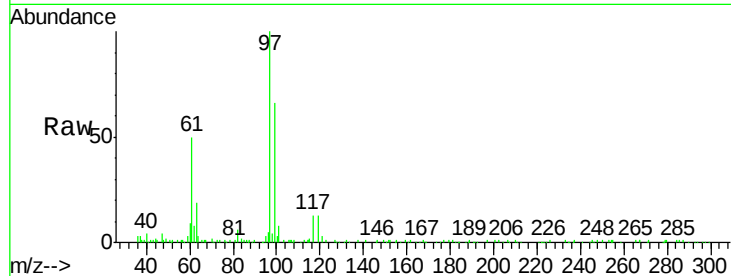
Tgt Ion: 97 Resp: 42244

Ion Ratio Lower Upper

97 100

99 66.1 52.1 78.1

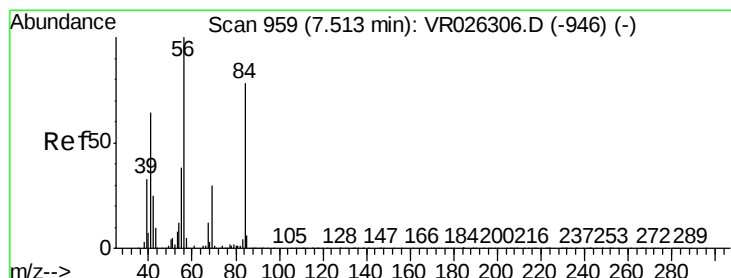
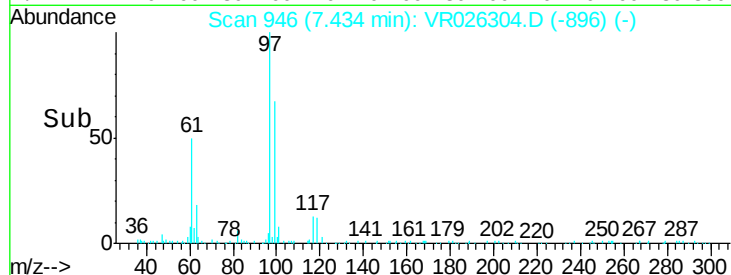
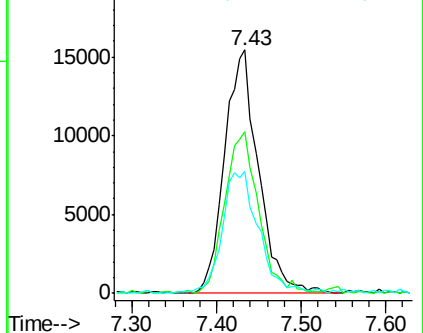
61 53.6 39.1 58.7



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: 0.353 ug/L

RT: 7.51 min Scan# 959

Delta R.T. -0.00 min

Lab File: VR026304.D

Acq: 11 Feb 2019 12:10

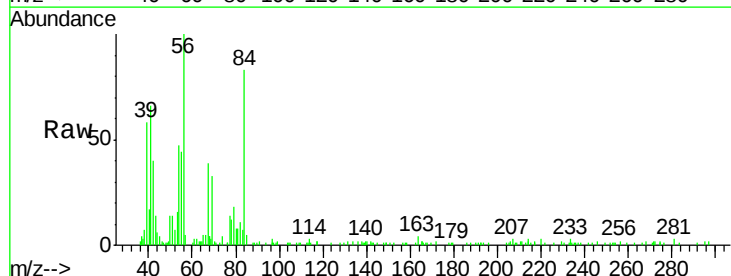
Tgt Ion: 56 Resp: 21631

Ion Ratio Lower Upper

56 100

69 29.9 23.4 35.2

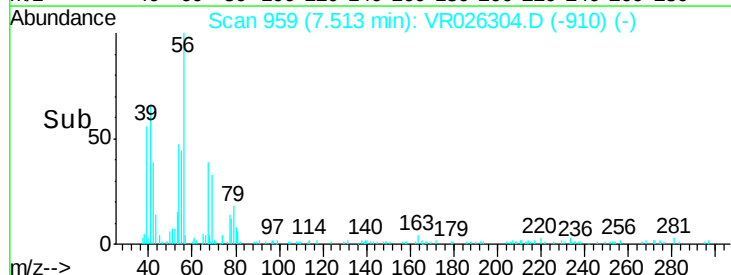
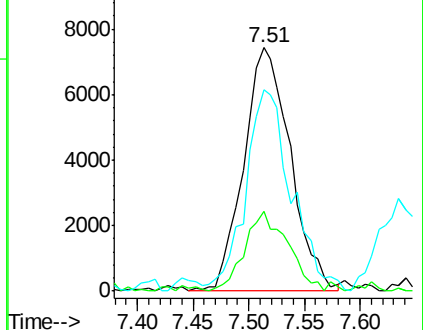
84 81.4 63.8 95.6

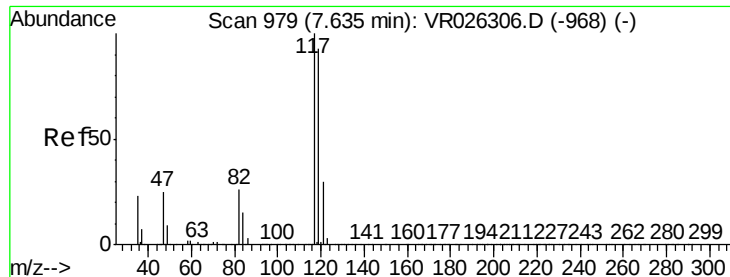


Abundance Ion 56.10 (55.80 to 56.80): VR0

Ion 69.15 (68.85 to 69.85): VR0

Ion 84.15 (83.85 to 84.85): VR0





#31

Carbon tetrachloride

Concen: 0.571 ug/L

RT: 7.63 min Scan# 979

Delta R.T. -0.00 min

Lab File: VR026304.D

Acq: 11 Feb 2019 12:10

Instrument :

MSVOA_R

ClientSampleId :

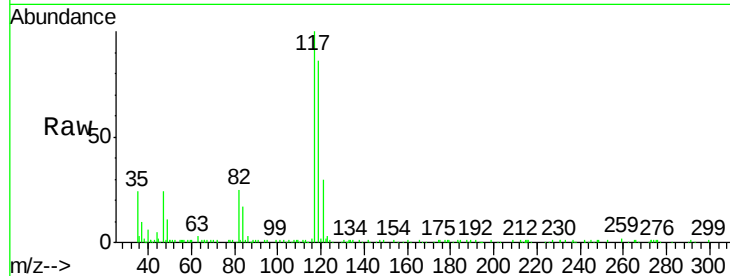
VSTD0.581

Tgt Ion:117 Resp: 40513

Ion Ratio Lower Upper

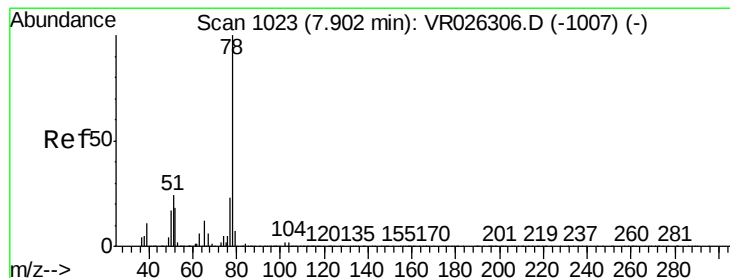
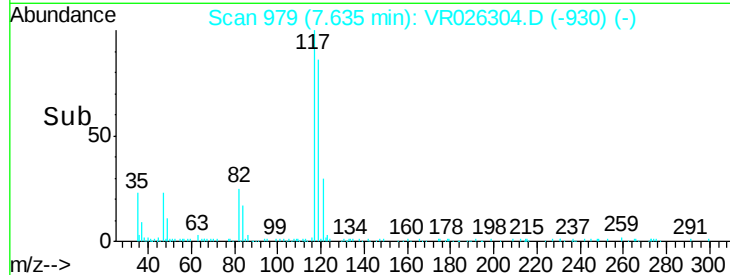
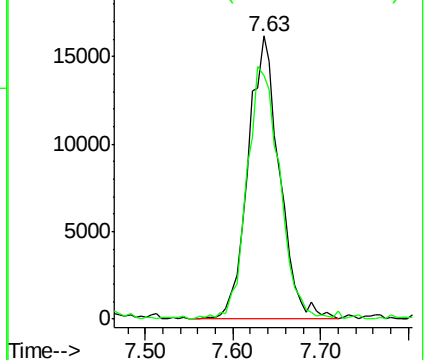
117 100

119 92.8 75.5 113.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.486 ug/L

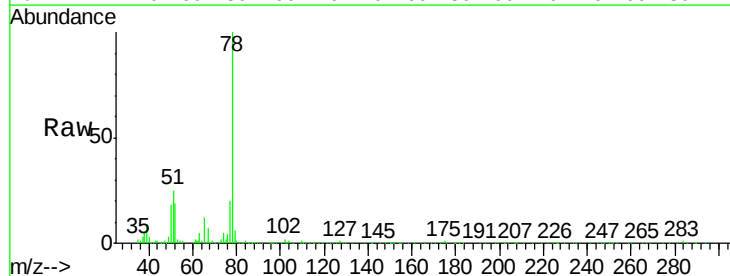
RT: 7.90 min Scan# 1023

Delta R.T. -0.00 min

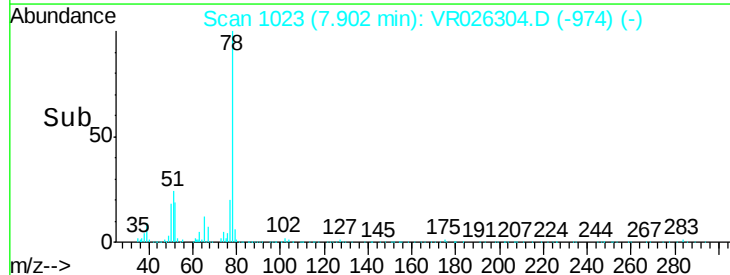
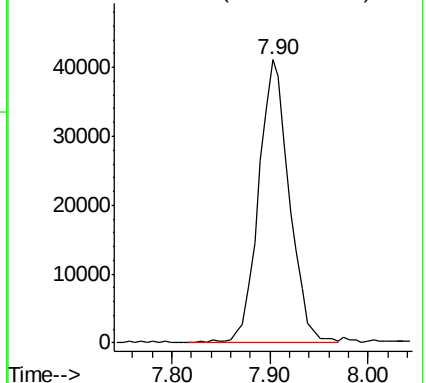
Lab File: VR026304.D

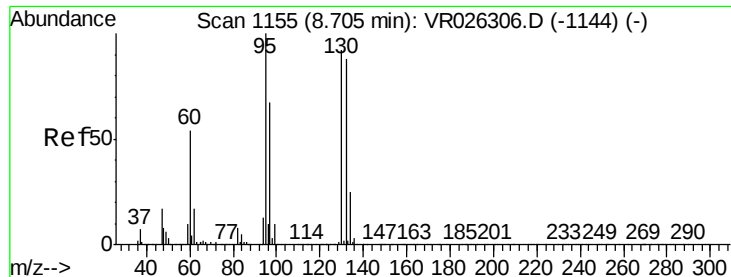
Acq: 11 Feb 2019 12:10

Tgt Ion: 78 Resp: 89440



Abundance Ion 78.10 (77.80 to 78.80): VR0





#34

Trichloroethene

Concen: 0.533 ug/L

RT: 8.71 min Scan# 1155

Delta R.T. -0.00 min

Lab File: VR026304.D

Acq: 11 Feb 2019 12:10

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.581

Tgt Ion: 95 Resp: 25301

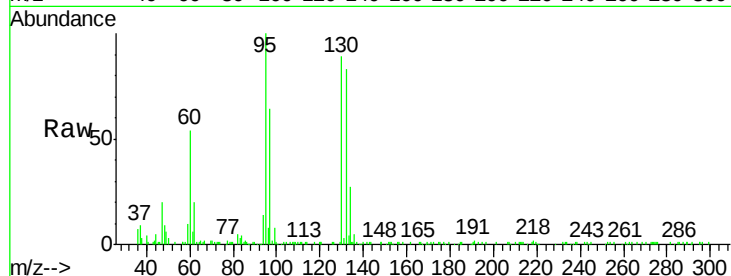
Ion Ratio Lower Upper

95 100

97 64.4 46.6 86.6

132 83.4 61.9 114.9

130 88.9 64.3 119.5



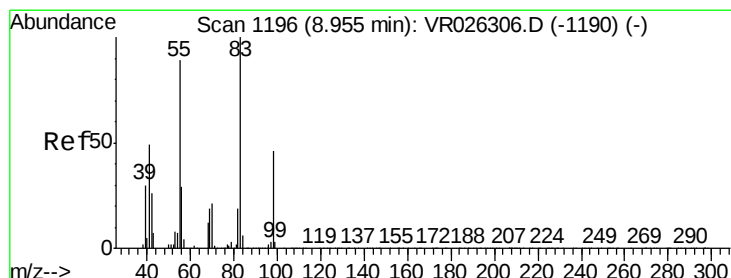
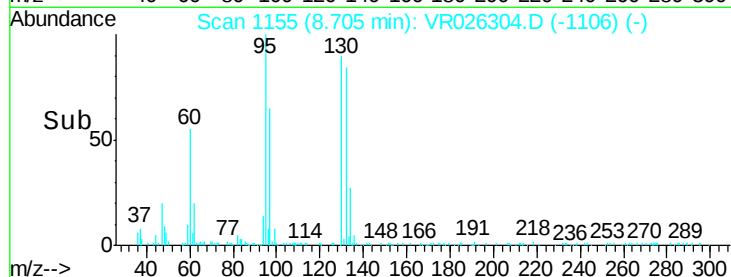
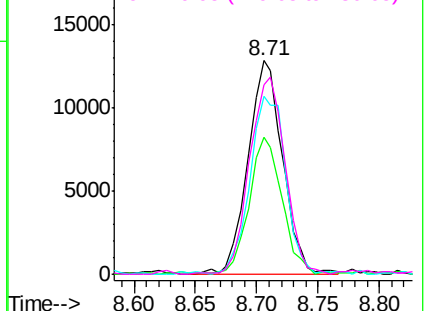
Abundance Ion 95.00 (94.70 to 95.70): VR0

20000

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



#35

Methylcyclohexane

Concen: 0.392 ug/L

RT: 8.95 min Scan# 1196

Delta R.T. -0.00 min

Lab File: VR026304.D

Acq: 11 Feb 2019 12:10

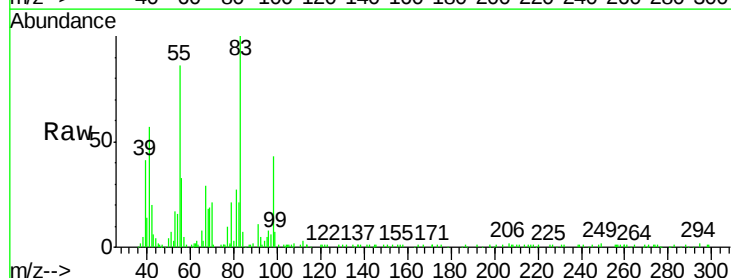
Tgt Ion: 83 Resp: 25849

Ion Ratio Lower Upper

83 100

55 94.8 68.8 103.2

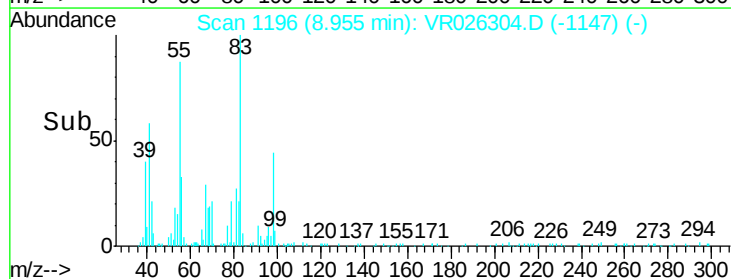
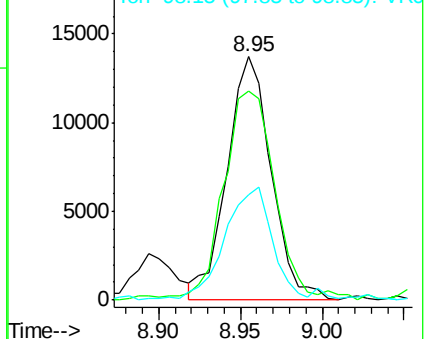
98 50.1 36.3 54.5

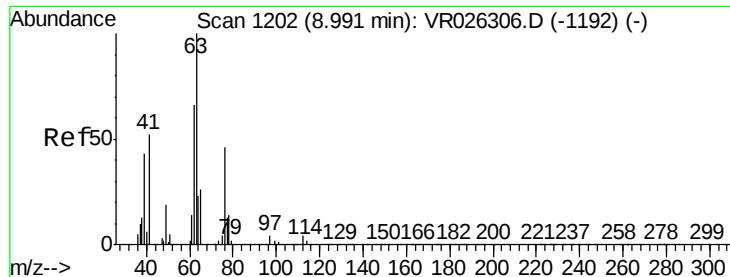


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 0.532 ug/L

RT: 8.99 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VR026304.D

Acq: 11 Feb 2019 12:10

Instrument :

MSVOA_R

ClientSampled :

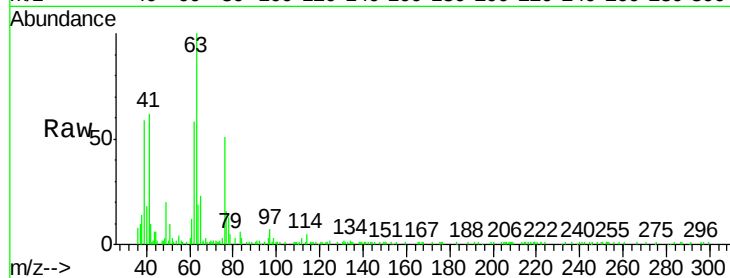
VSTD0.581

Tgt Ion: 63 Resp: 21143

Ion Ratio Lower Upper

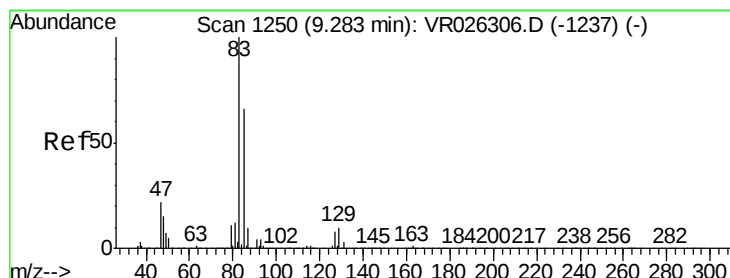
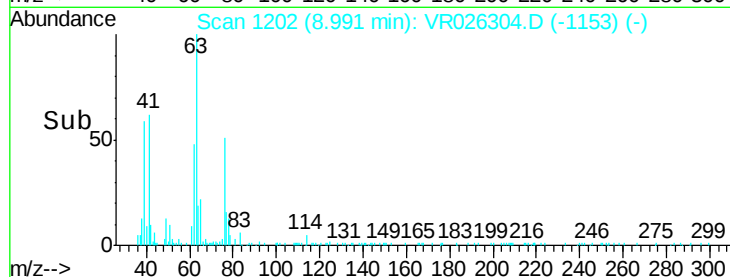
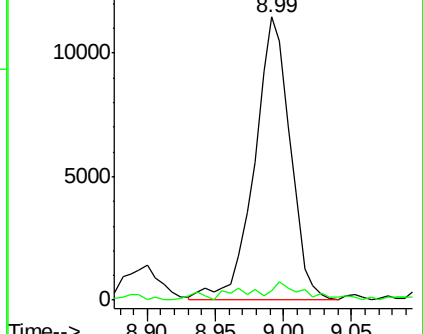
63 100

112 5.9 3.3 4.9#



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 112.10 (111.80 to 112.80): V



#38

Bromodichloromethane

Concen: 0.536 ug/L

RT: 9.28 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VR026304.D

Acq: 11 Feb 2019 12:10

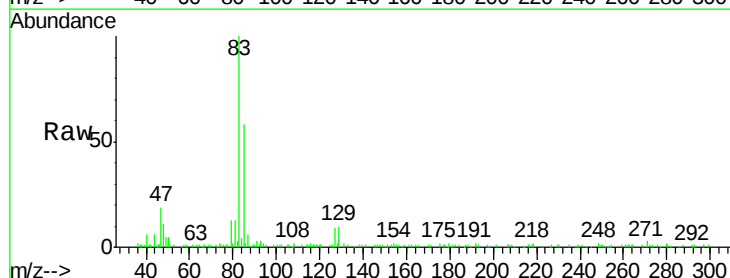
Tgt Ion: 83 Resp: 23736

Ion Ratio Lower Upper

83 100

85 60.4 46.3 85.9

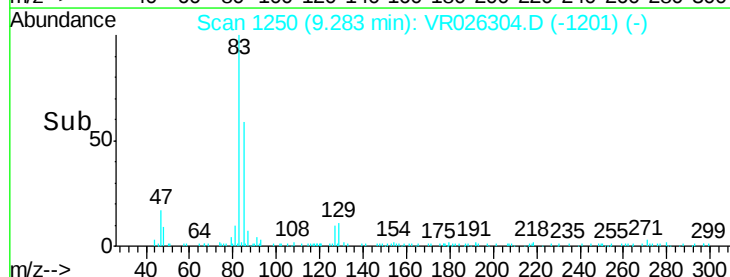
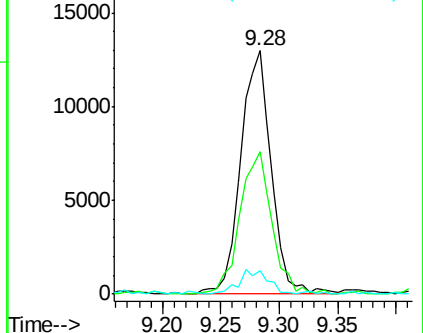
127 9.4 6.2 9.4#

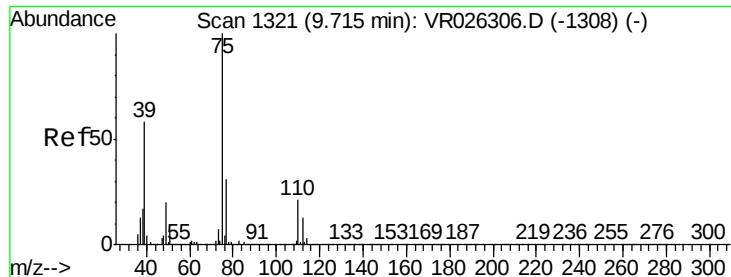


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 126.90 (126.60 to 127.60): V





#39

cis-1,3-Dichloropropene

Concen: 0.399 ug/L

RT: 9.72 min Scan# 1321

Delta R.T. -0.00 min

Lab File: VR026304.D

Acq: 11 Feb 2019 12:10

Instrument :

MSVOA_R

ClientSampleId :

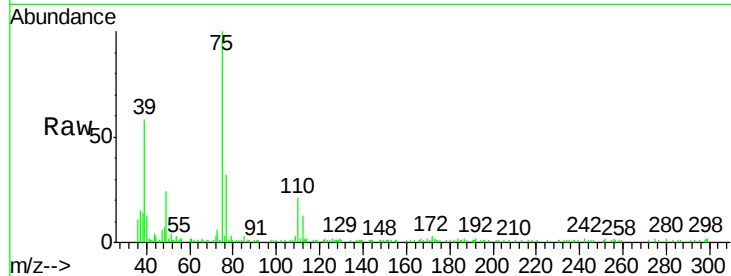
VSTD0.581

Tgt Ion: 75 Resp: 16302

Ion Ratio Lower Upper

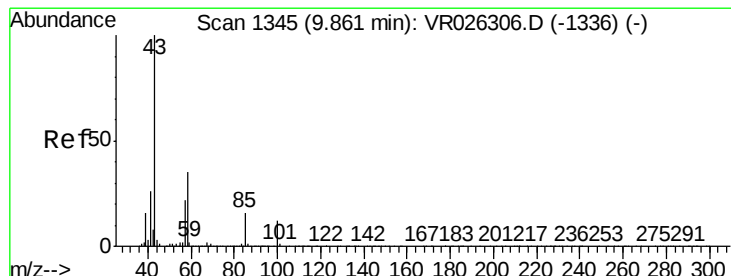
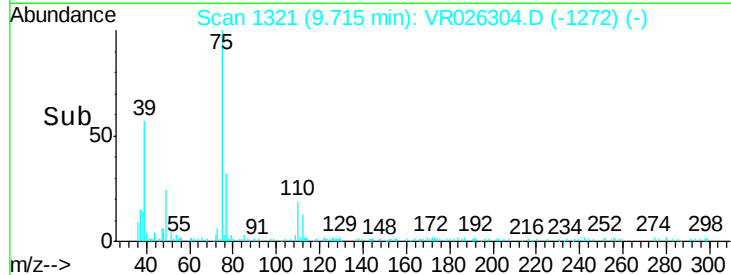
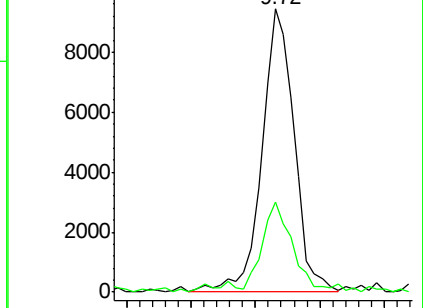
75 100

77 32.0 21.7 40.3



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0



#40

4-Methyl-2-pentanone

Concen: 3.280 ug/L

RT: 9.87 min Scan# 1346

Delta R.T. 0.01 min

Lab File: VR026304.D

Acq: 11 Feb 2019 12:10

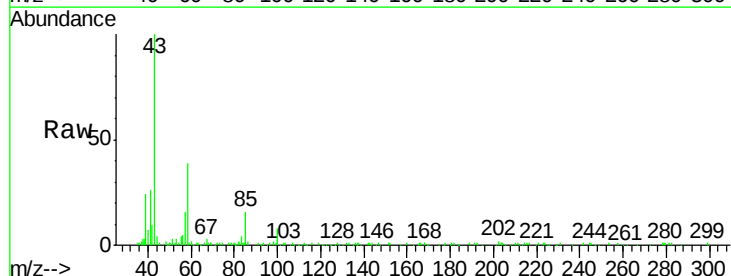
Tgt Ion: 43 Resp: 30047

Ion Ratio Lower Upper

43 100

58 33.7 28.7 43.1

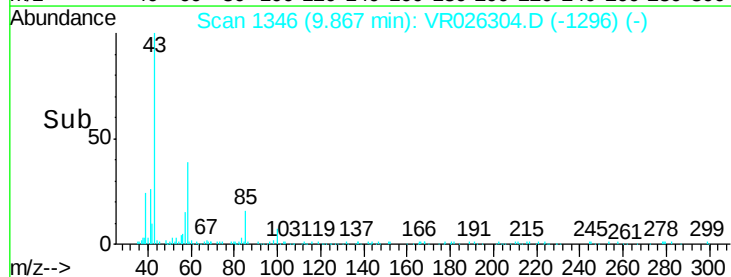
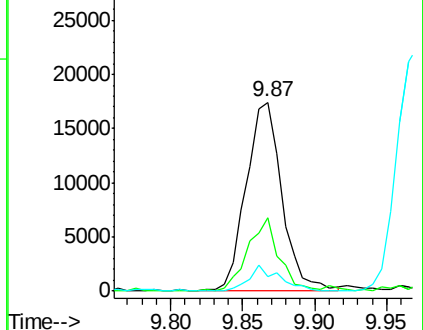
100 11.5 9.8 14.6

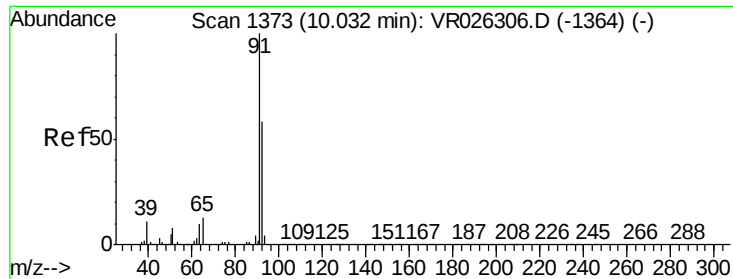


Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 100.15 (99.85 to 100.85): VR0





#42

Toluene

Concen: 0.440 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. 0.01 min

Lab File: VR026304.D

Acq: 11 Feb 2019 12:10

Instrument :

MSVOA_R

ClientSampleId :

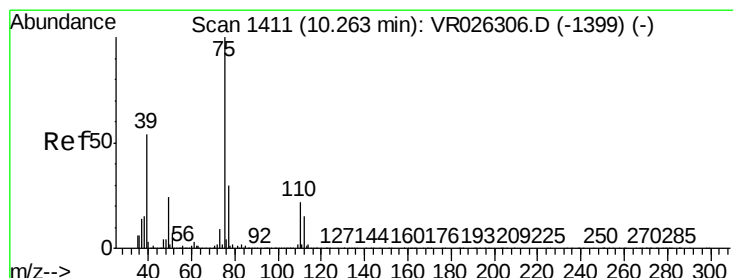
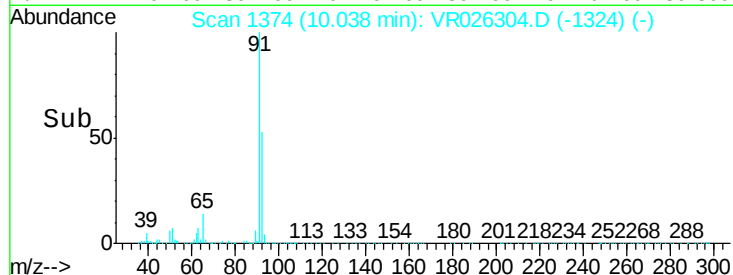
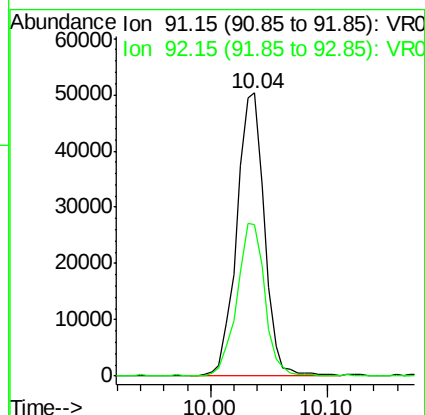
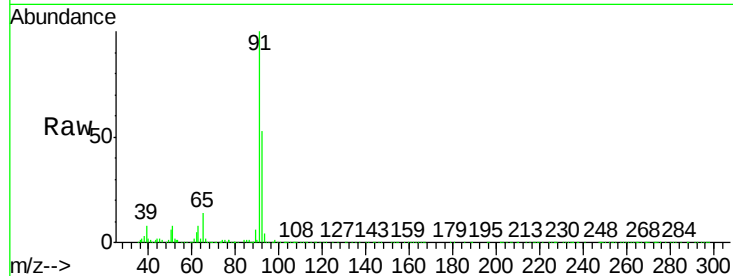
VSTD0.581

Tgt Ion: 91 Resp: 83183

Ion Ratio Lower Upper

91 100

92 53.4 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 0.395 ug/L

RT: 10.27 min Scan# 1412

Delta R.T. 0.01 min

Lab File: VR026304.D

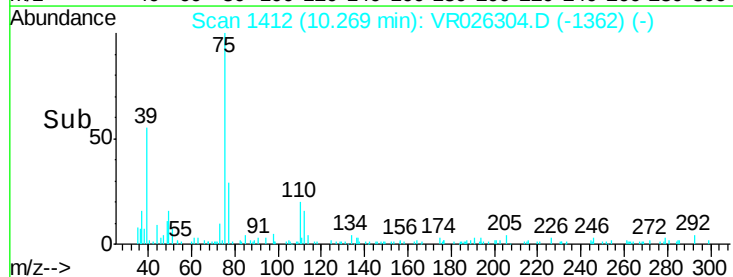
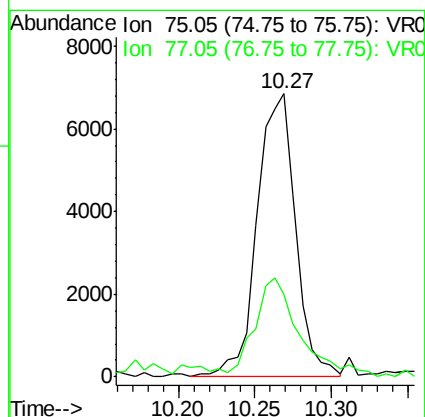
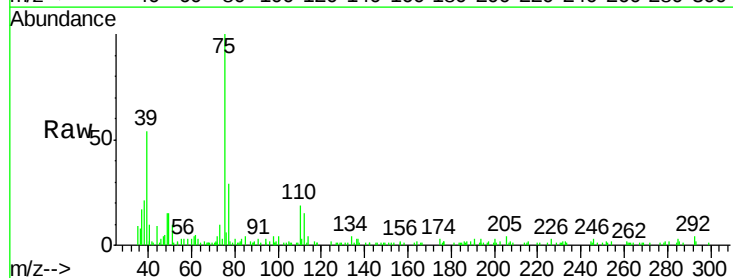
Acq: 11 Feb 2019 12:10

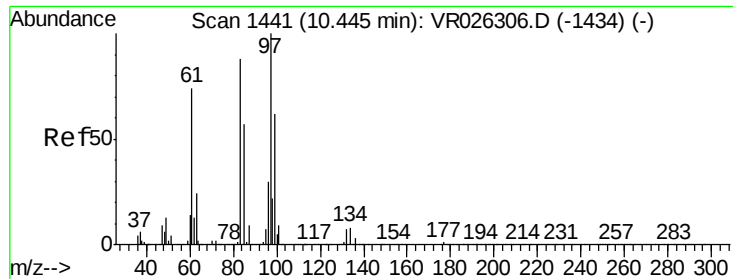
Tgt Ion: 75 Resp: 11984

Ion Ratio Lower Upper

75 100

77 29.2 21.6 40.2

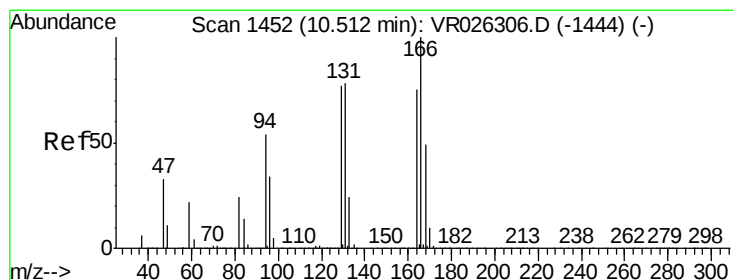
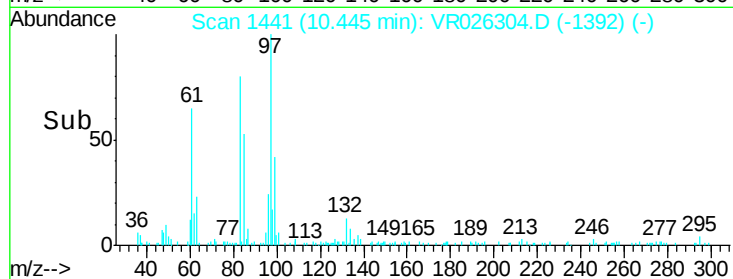
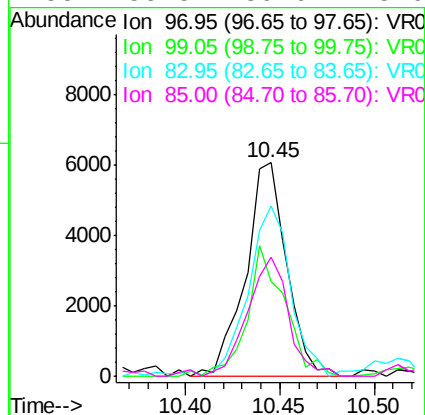
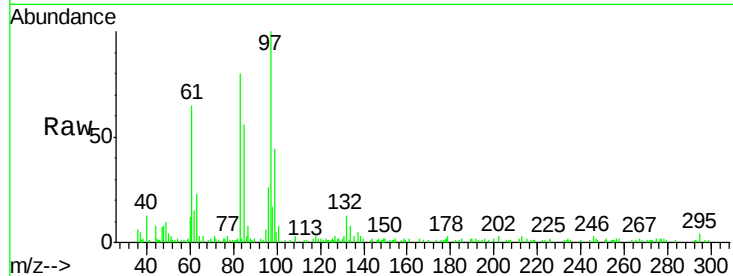




#45
 1,1,2-Trichloroethane
 Concen: 0.551 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VR026304.D
 Acq: 11 Feb 2019 12:10

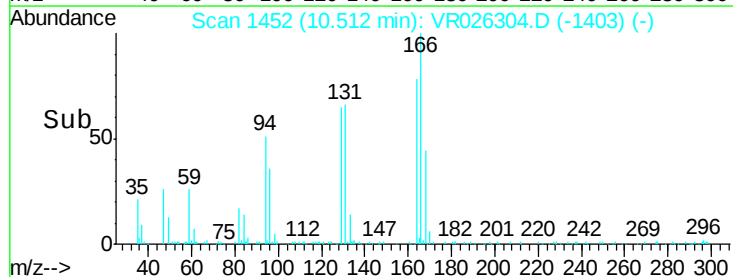
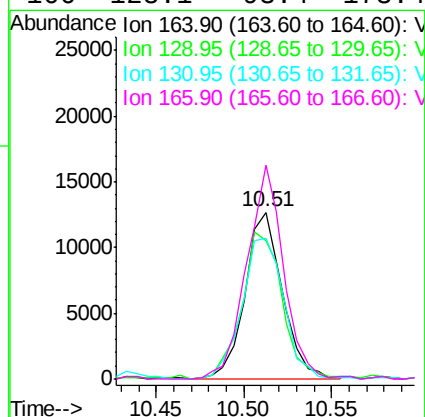
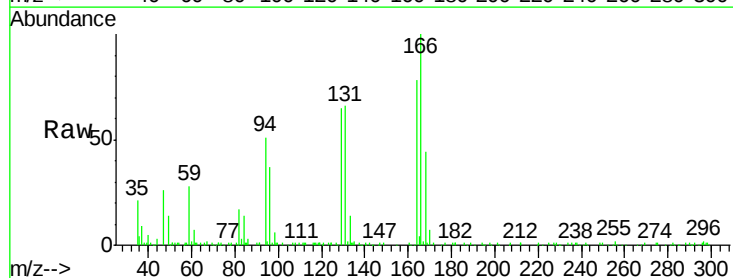
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.581

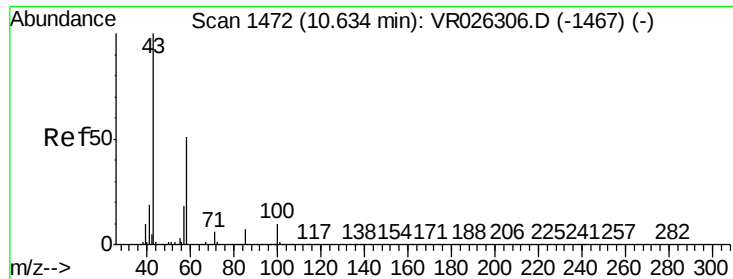
Tgt Ion:	97	Resp:	9149
Ion	Ratio	Lower	Upper
97	100		
99	44.2	43.0	80.0
83	79.6	61.5	114.3
85	55.5	39.6	73.6



#47
 Tetrachloroethene
 Concen: 0.521 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: VR026304.D
 Acq: 11 Feb 2019 12:10

Tgt Ion:	164	Resp:	18971
Ion	Ratio	Lower	Upper
164	100		
129	83.3	71.5	132.9
131	84.1	72.8	135.2
166	128.1	93.4	173.4

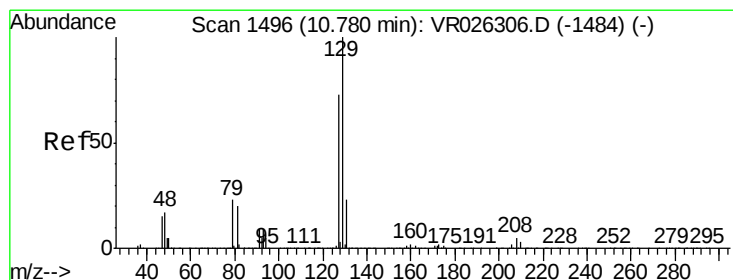
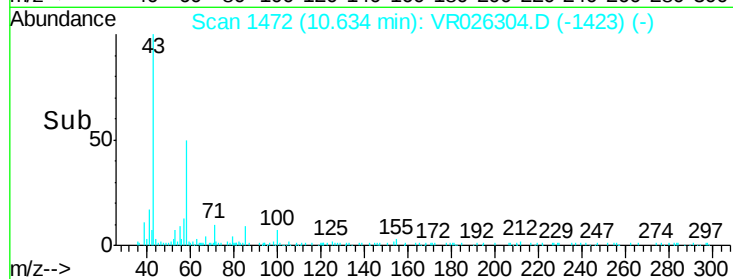
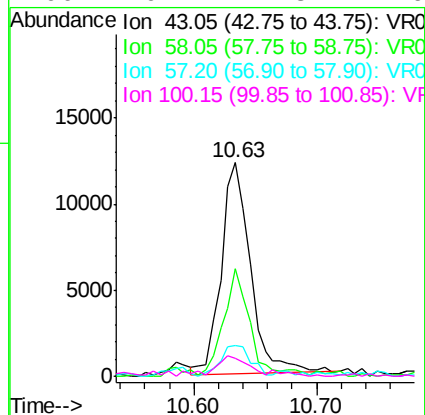
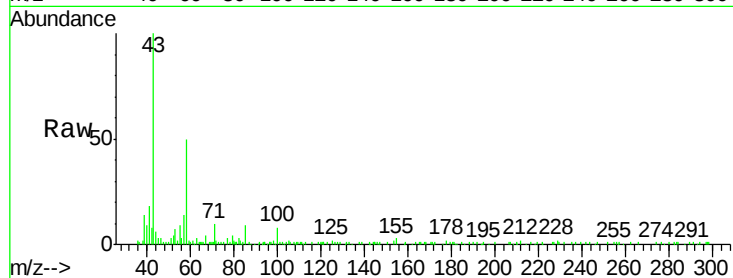




#48
2-Hexanone
Concen: 3.300 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR026304.D
Acq: 11 Feb 2019 12:10

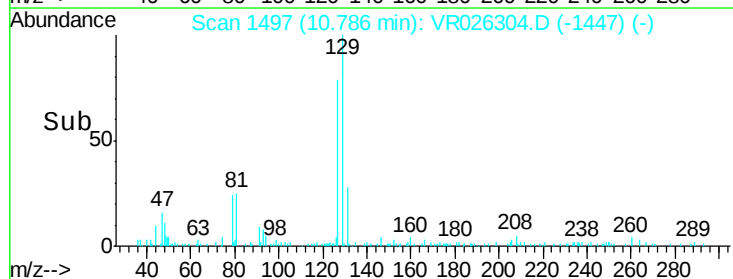
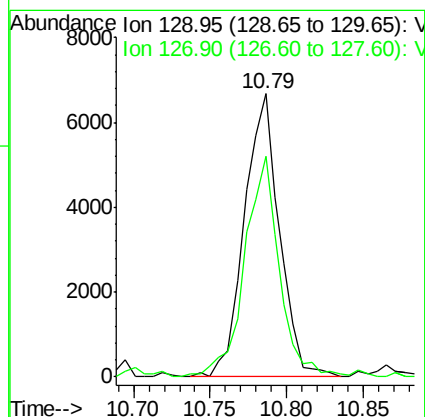
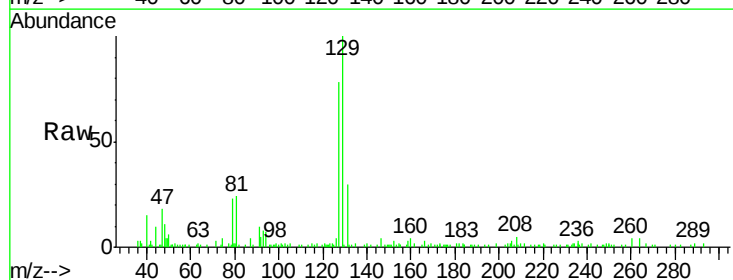
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.581

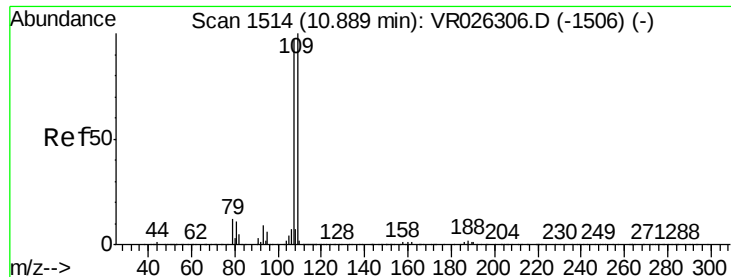
Tgt Ion:	43	Resp:	20326
Ion	Ratio	Lower	Upper
43	100		
58	45.9	41.2	61.8
57	14.9	13.8	20.8
100	10.2	7.8	11.6



#49
Dibromochloromethane
Concen: 0.496 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.01 min
Lab File: VR026304.D
Acq: 11 Feb 2019 12:10

Tgt Ion:	129	Resp:	10575
Ion	Ratio	Lower	Upper
129	100		
127	78.0	51.4	95.5

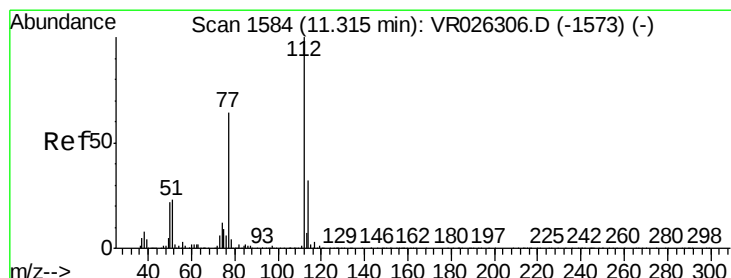
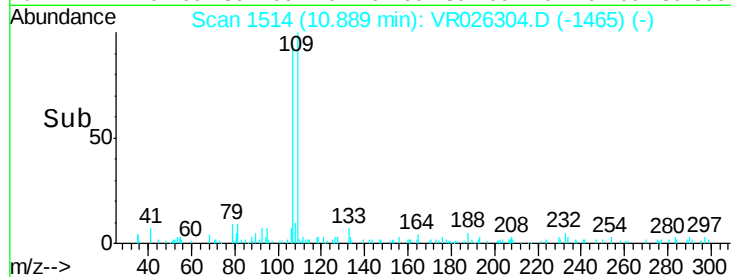
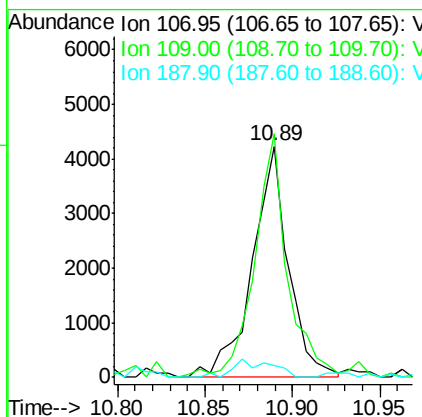
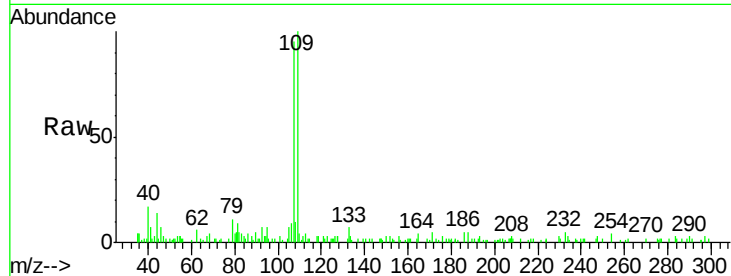




#50
1,2-Dibromoethane
Concen: 0.460 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VR026304.D
Acq: 11 Feb 2019 12:10

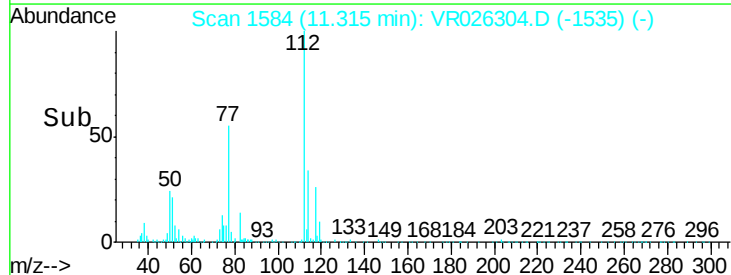
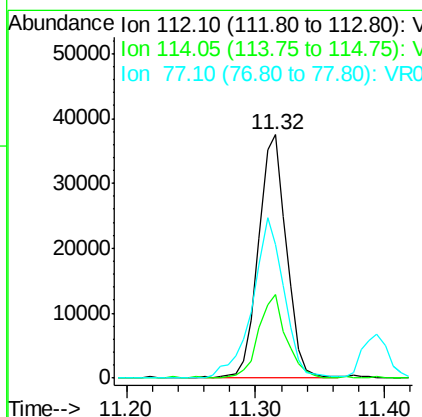
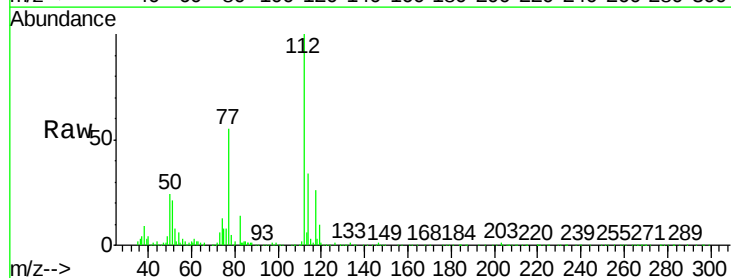
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.581

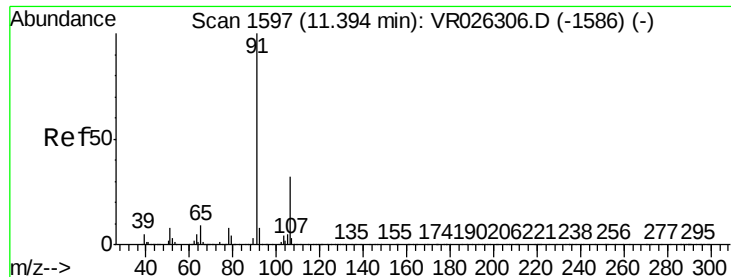
Tgt Ion:107 Resp: 6066
Ion Ratio Lower Upper
107 100
109 105.3 72.7 135.1
188 5.4 1.9 2.9#



#51
Chlorobenzene
Concen: 0.516 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VR026304.D
Acq: 11 Feb 2019 12:10

Tgt Ion:112 Resp: 55765
Ion Ratio Lower Upper
112 100
114 34.1 22.5 41.9
77 54.9 51.3 76.9





#52

Ethylbenzene

Concen: 0.439 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VR026304.D

Acq: 11 Feb 2019 12:10

Instrument :

MSVOA_R

ClientSampleId :

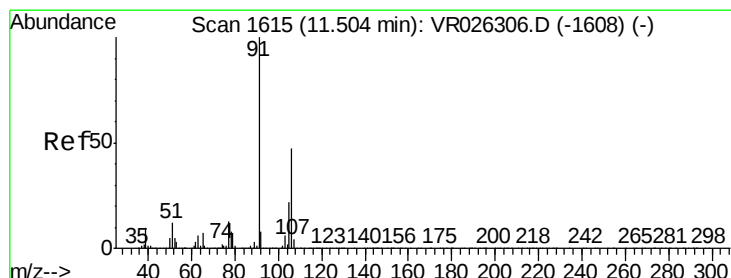
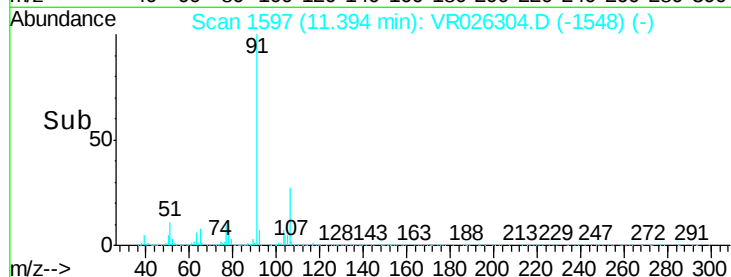
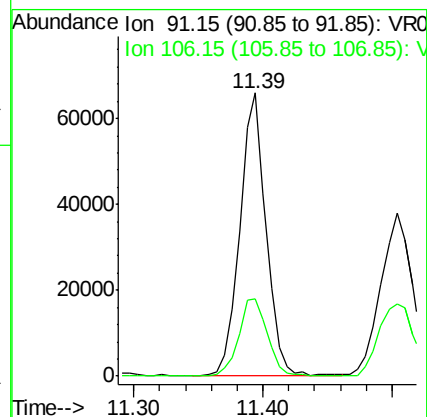
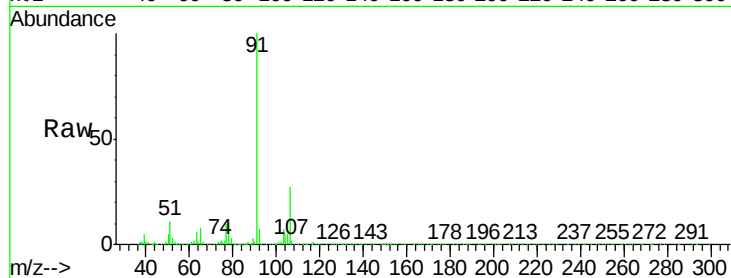
VSTD0.581

Tgt Ion: 91 Resp: 92901

Ion Ratio Lower Upper

91 100

106 27.3 22.3 41.3



#53

m,p-Xylene

Concen: 0.412 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR026304.D

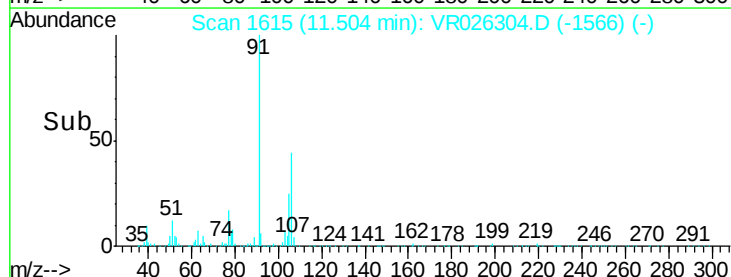
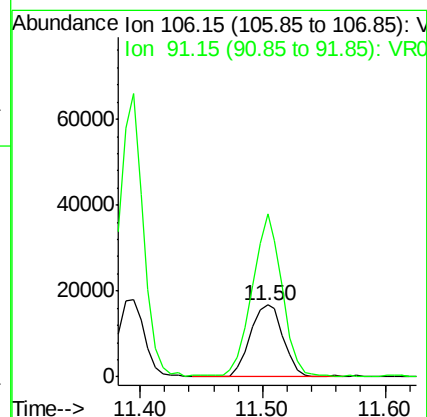
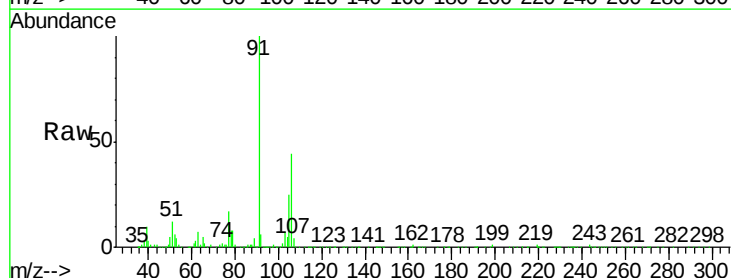
Acq: 11 Feb 2019 12:10

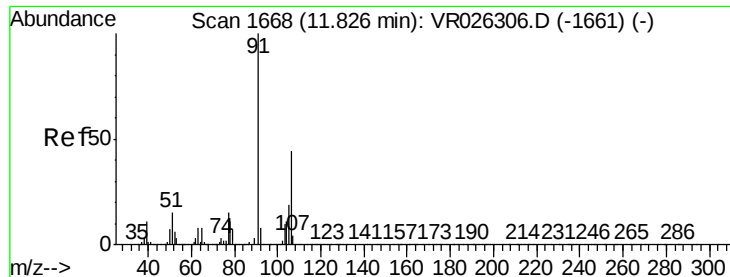
Tgt Ion: 106 Resp: 31834

Ion Ratio Lower Upper

106 100

91 226.8 148.2 275.2





#54

o-Xylene

Concen: 0.331 ug/L

RT: 11.83 min Scan# 1669

Delta R.T. 0.01 min

Lab File: VR026304.D

Acq: 11 Feb 2019 12:10

Instrument :

MSVOA_R

ClientSampleId :

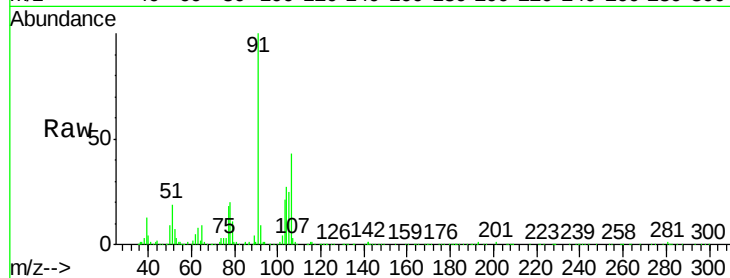
VSTD0.581

Tgt Ion:106 Resp: 22060

Ion Ratio Lower Upper

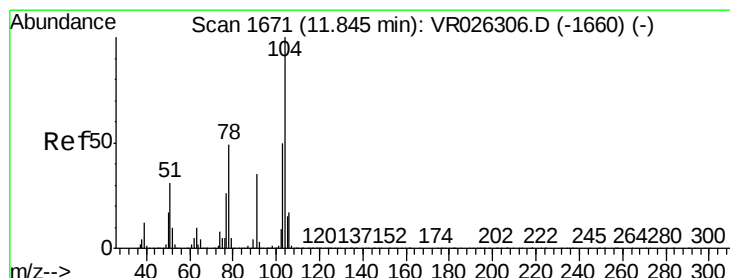
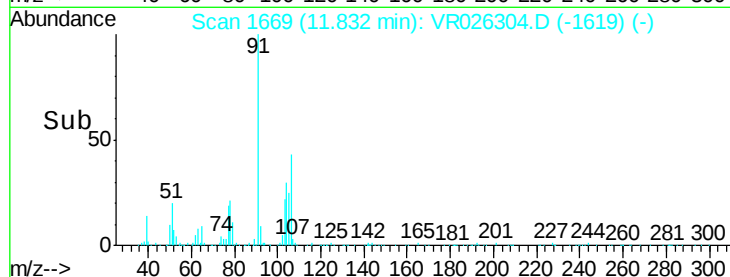
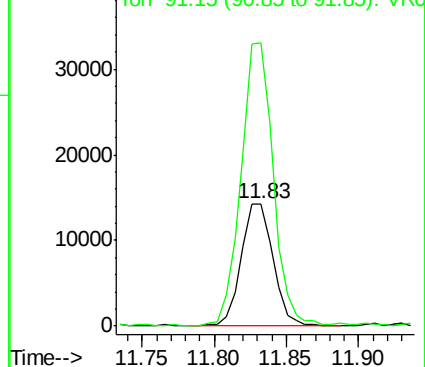
106 100

91 231.6 159.8 296.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0



#55

Styrene

Concen: 0.334 ug/L

RT: 11.84 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VR026304.D

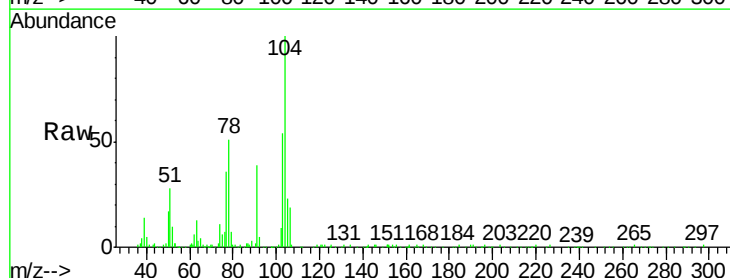
Acq: 11 Feb 2019 12:10

Tgt Ion:104 Resp: 34984

Ion Ratio Lower Upper

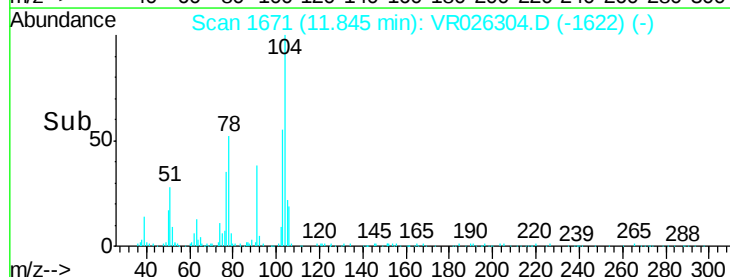
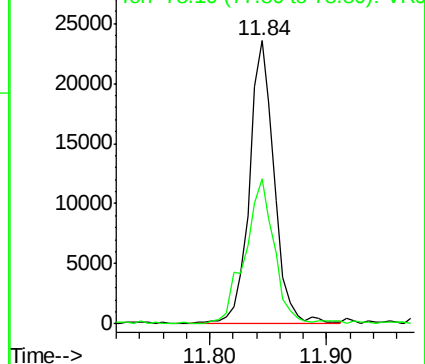
104 100

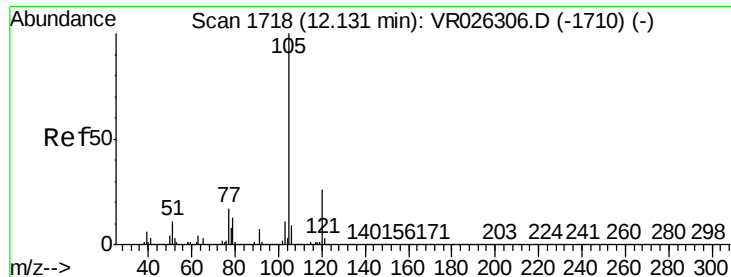
78 51.4 34.5 64.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VR0





#56

Isopropylbenzene

Concen: 0.358 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR026304.D

Acq: 11 Feb 2019 12:10

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.581

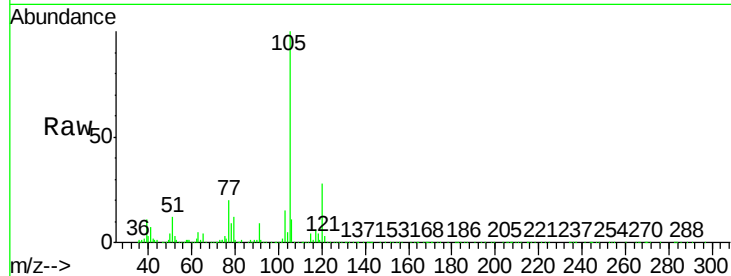
Tgt Ion: 105 Resp: 67872

Ion Ratio Lower Upper

105 100

120 27.9 21.1 31.7

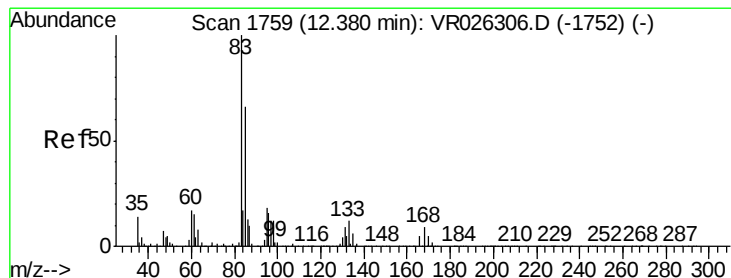
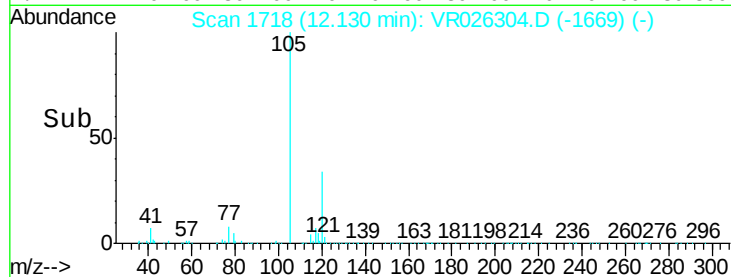
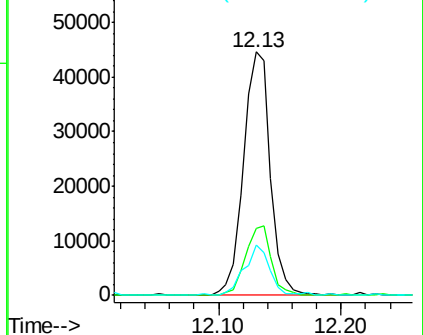
77 19.5 13.9 20.9



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: 0.541 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. 0.01 min

Lab File: VR026304.D

Acq: 11 Feb 2019 12:10

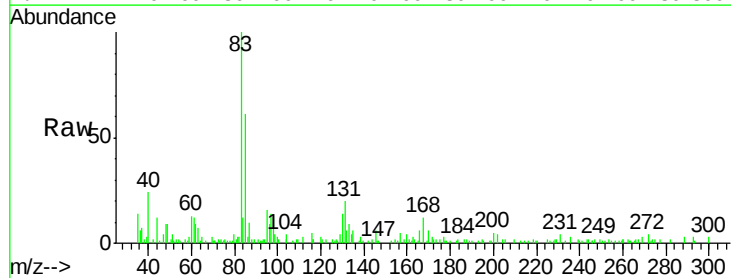
Tgt Ion: 83 Resp: 8312

Ion Ratio Lower Upper

83 100

85 60.6 46.2 85.8

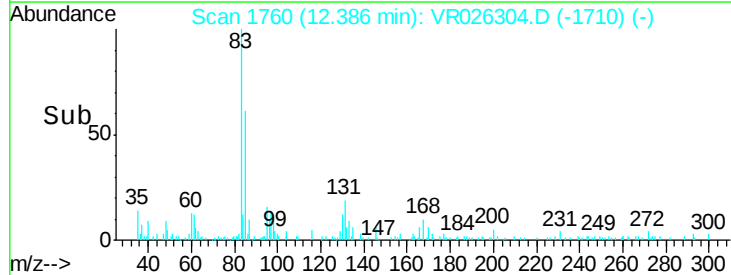
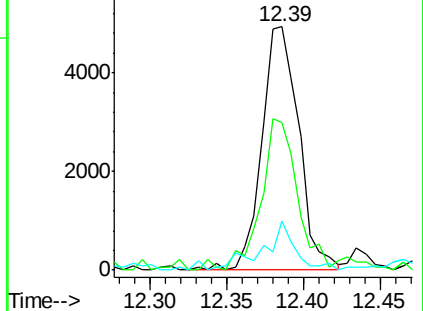
131 20.1 7.3 10.9#

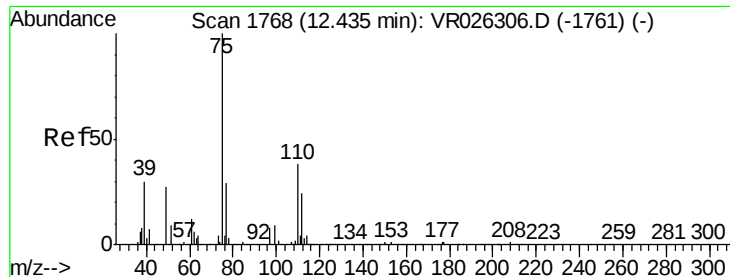


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V

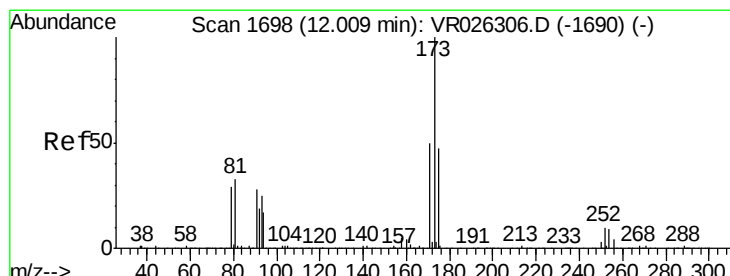
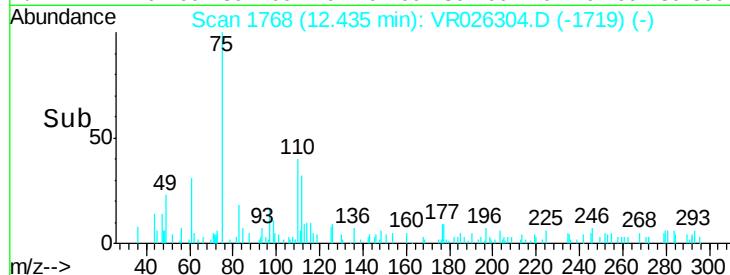
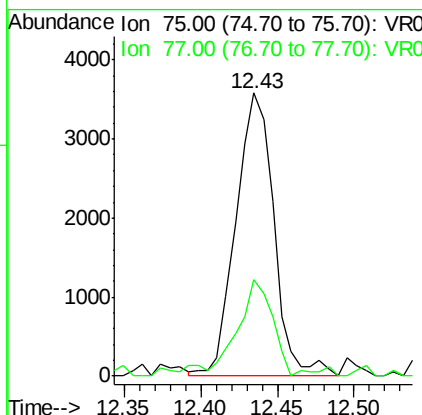
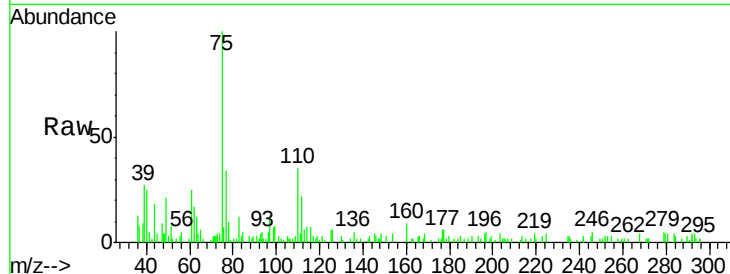




#59
 1,2,3-Trichloropropane
 Concen: 0.557 ug/L
 RT: 12.43 min Scan# 1768
 Delta R.T. -0.00 min
 Lab File: VR026304.D
 Acq: 11 Feb 2019 12:10

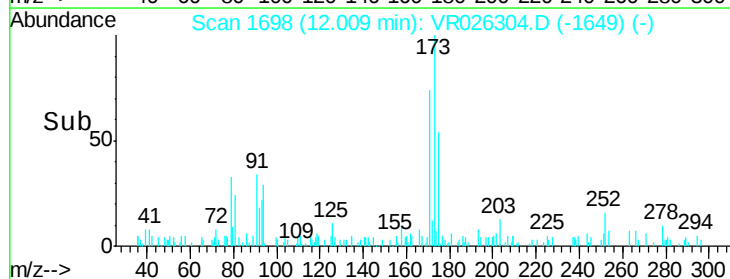
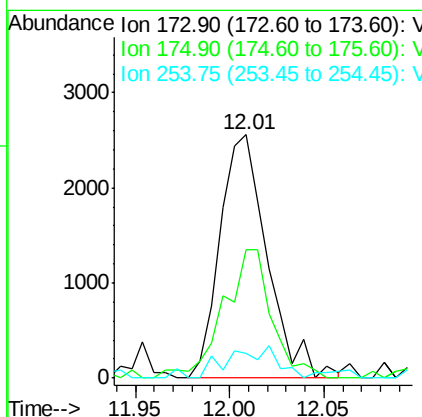
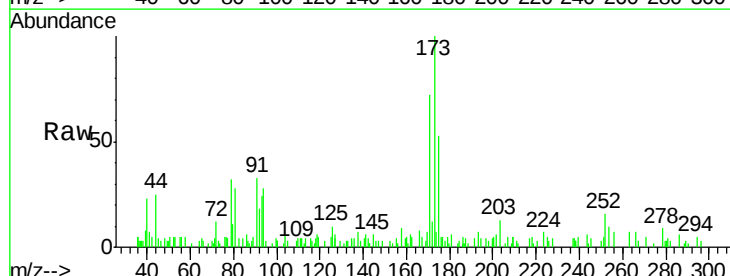
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.581

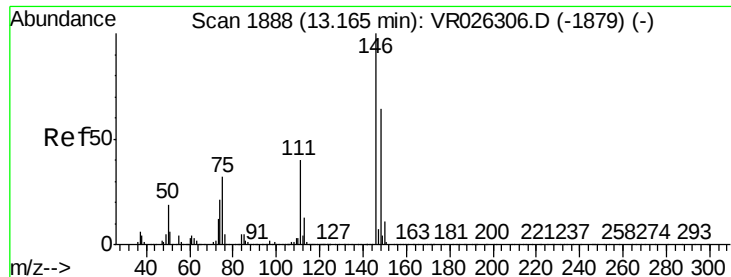
Tgt Ion: 75 Resp: 6171
 Ion Ratio Lower Upper
 75 100
 77 34.4 25.6 38.4



#61
 Bromoform
 Concen: 0.578 ug/L
 RT: 12.01 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VR026304.D
 Acq: 11 Feb 2019 12:10

Tgt Ion: 173 Resp: 4430
 Ion Ratio Lower Upper
 173 100
 175 54.3 37.1 55.7
 254 14.2 8.0 12.0#





#62

1,3-Dichlorobenzene

Concen: 0.468 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. -0.00 min

Lab File: VR026304.D

Acq: 11 Feb 2019 12:10

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.581

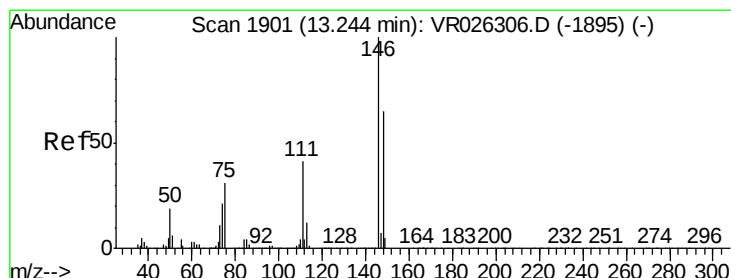
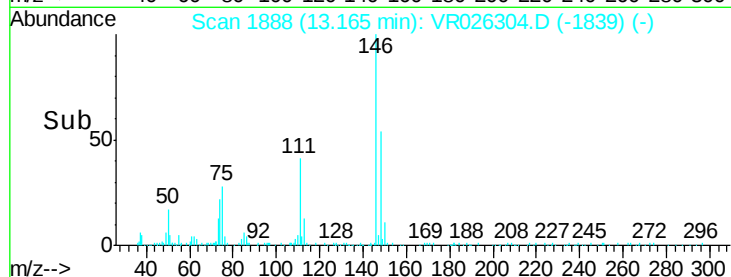
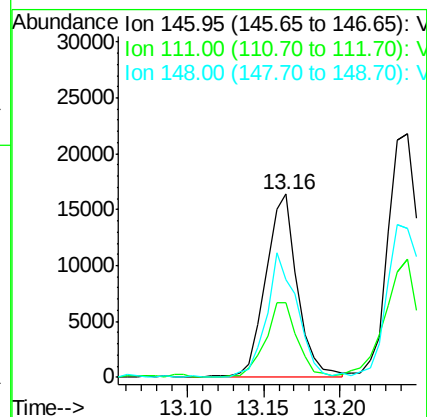
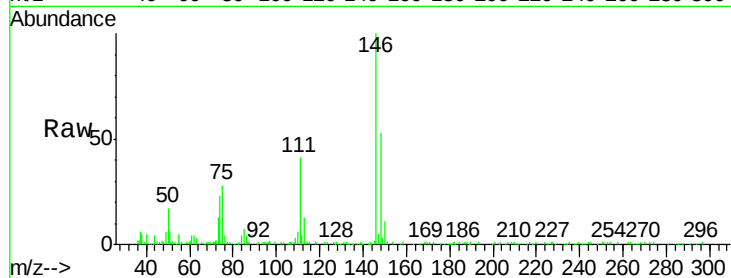
Tgt Ion:146 Resp: 23773

Ion Ratio Lower Upper

146 100

111 40.8 28.1 52.3

148 53.1 44.7 83.1



#63

1,4-Dichlorobenzene

Concen: 0.540 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. -0.00 min

Lab File: VR026304.D

Acq: 11 Feb 2019 12:10

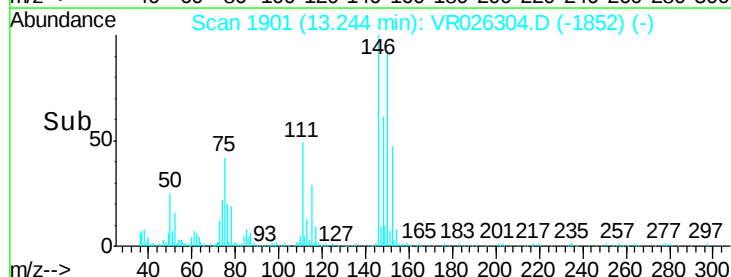
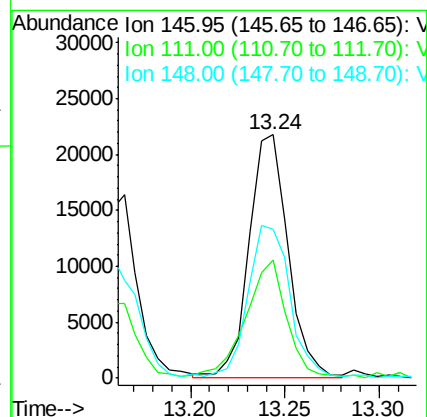
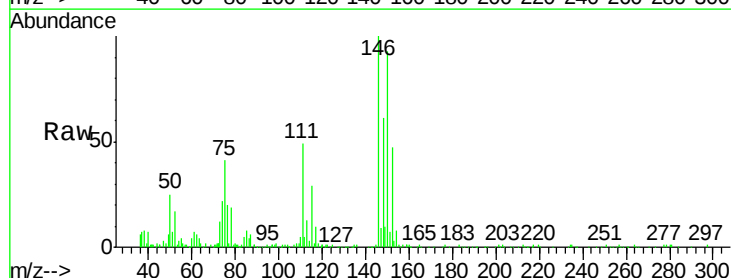
Tgt Ion:146 Resp: 31332

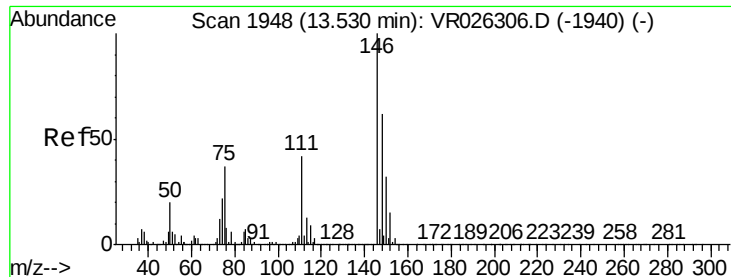
Ion Ratio Lower Upper

146 100

111 48.5 29.1 54.1

148 61.1 45.6 84.8

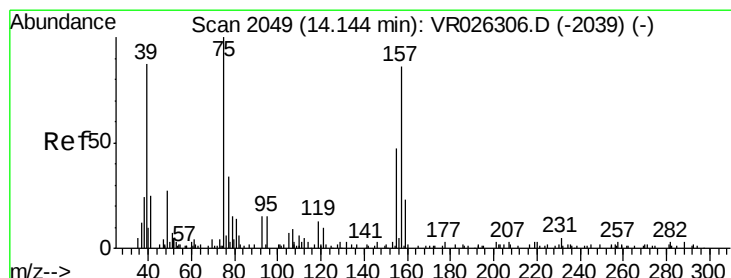
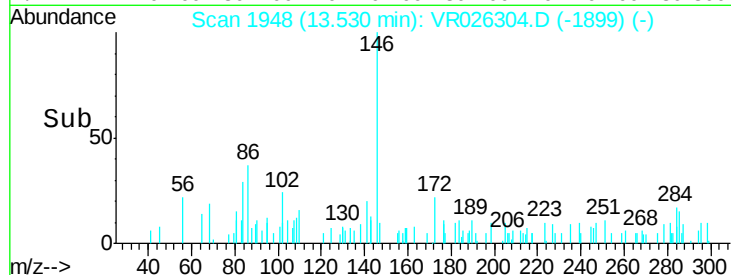
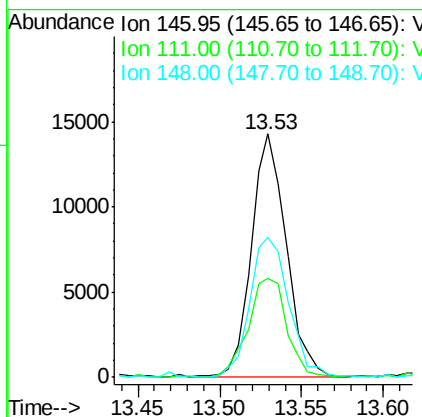
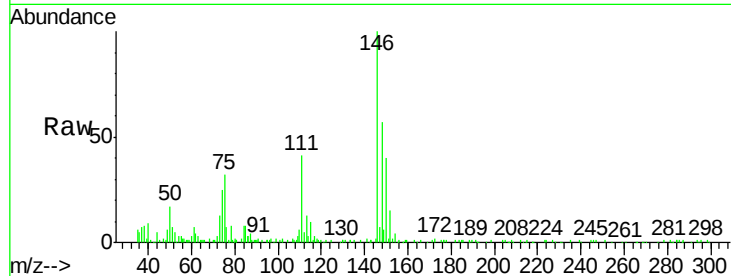




#65
 1,2-Dichlorobenzene
 Concen: 0.489 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. -0.00 min
 Lab File: VR026304.D
 Acq: 11 Feb 2019 12:10

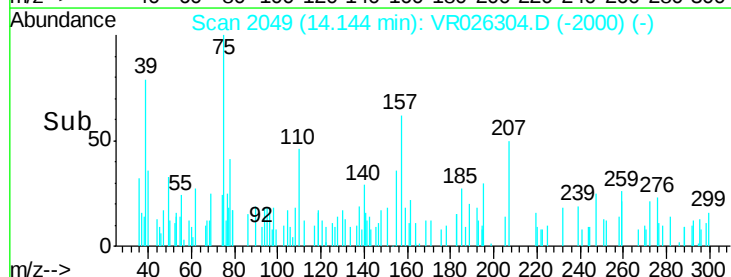
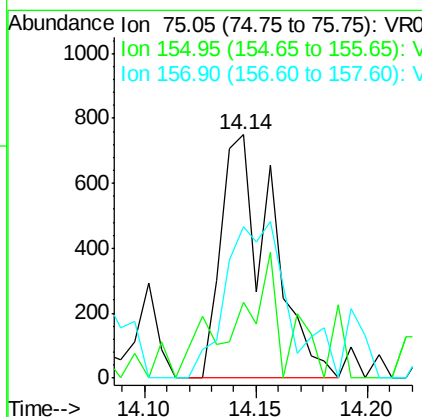
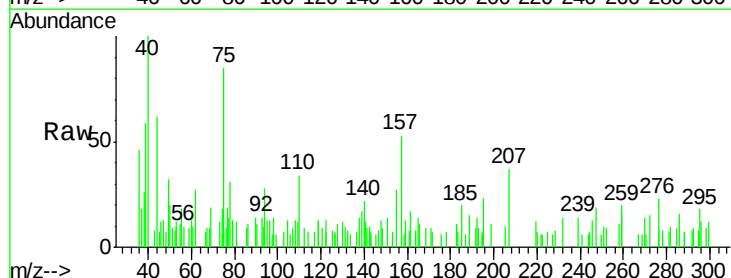
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.581

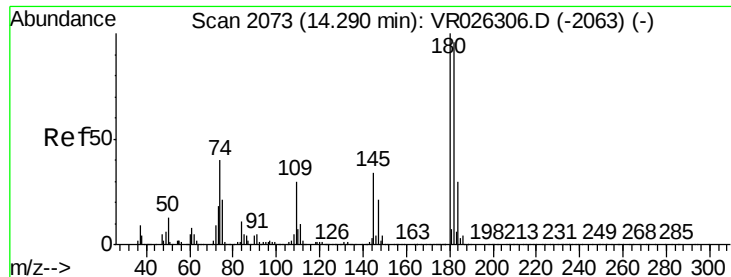
Tgt Ion: 146 Resp: 21282
 Ion Ratio Lower Upper
 146 100
 111 40.8 33.6 50.4
 148 57.4 49.4 74.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.844 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VR026304.D
 Acq: 11 Feb 2019 12:10

Tgt Ion: 75 Resp: 1180
 Ion Ratio Lower Upper
 75 100
 155 31.2 38.0 57.0#
 157 62.1 70.4 105.6#





#67

1,3,5-Trichlorobenzene

Concen: 0.459 ug/L

RT: 14.28 min Scan# 2072

Delta R.T. -0.01 min

Lab File: VR026304.D

Acq: 11 Feb 2019 12:10

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.581

Tgt Ion:180 Resp: 14951

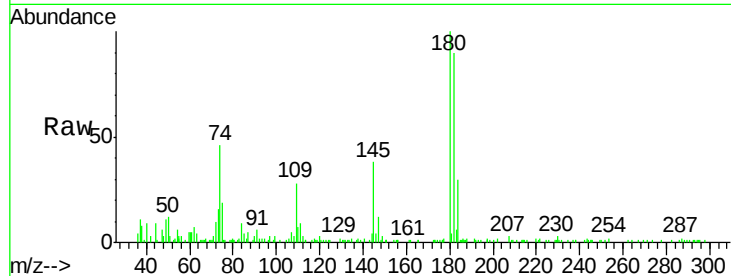
Ion Ratio Lower Upper

180 100

182 106.8 76.0 114.0

184 34.6 23.3 34.9

145 39.0 26.6 39.8

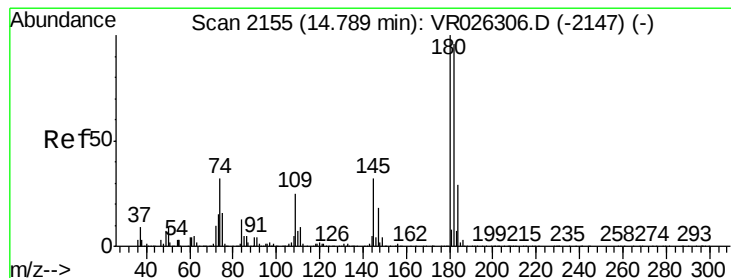
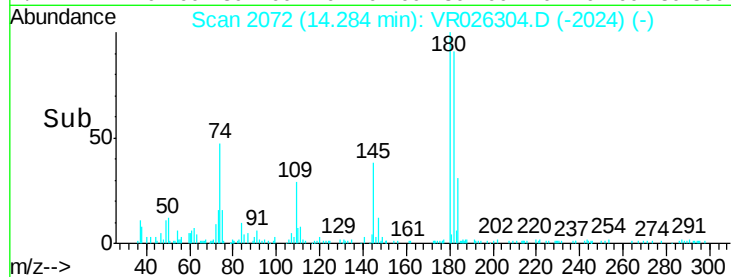
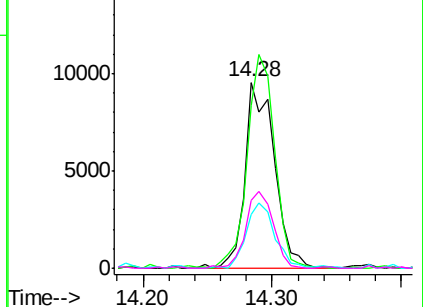


Abundance Ion 180.00 (179.70 to 180.70): V

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: 0.433 ug/L

RT: 14.78 min Scan# 2154

Delta R.T. -0.01 min

Lab File: VR026304.D

Acq: 11 Feb 2019 12:10

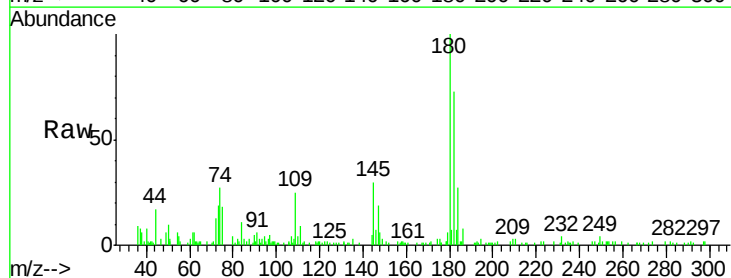
Tgt Ion:180 Resp: 7611

Ion Ratio Lower Upper

180 100

182 89.2 78.7 118.1

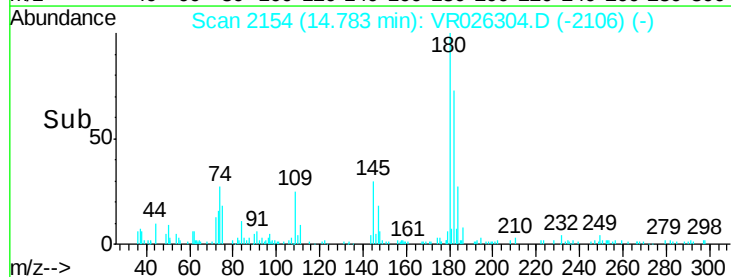
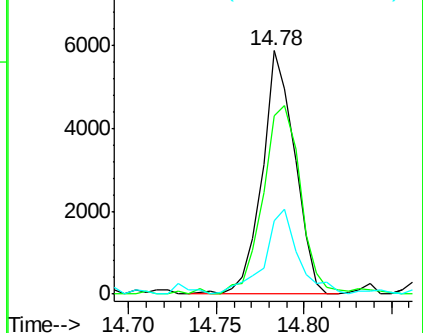
145 36.3 25.9 38.9

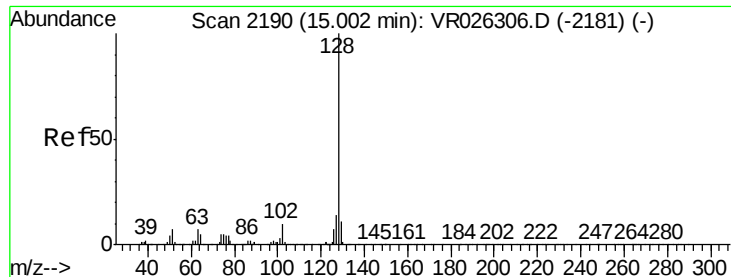


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.337 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VR026304.D

Acq: 11 Feb 2019 12:10

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.581

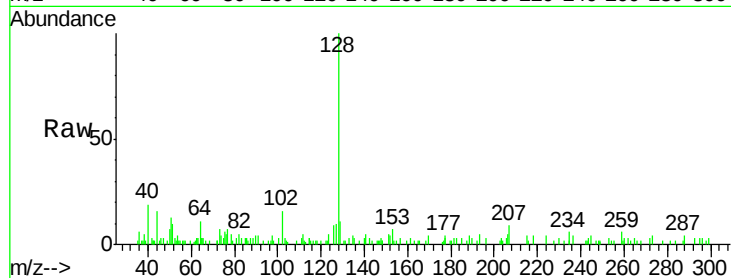
Tgt Ion:128 Resp: 5320

Ion Ratio Lower Upper

128 100

127 9.6 11.7 17.5#

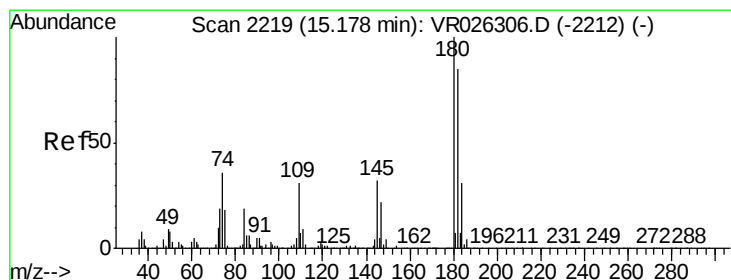
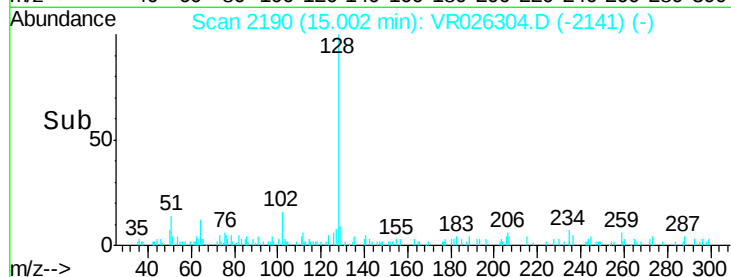
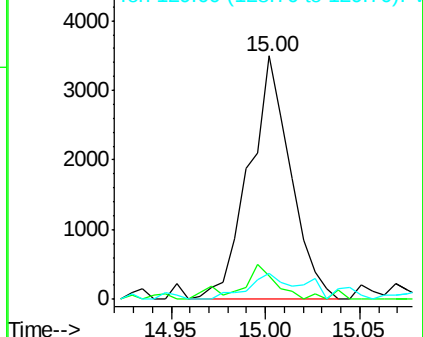
129 13.2 9.6 14.4



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: 0.446 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VR026304.D

Acq: 11 Feb 2019 12:10

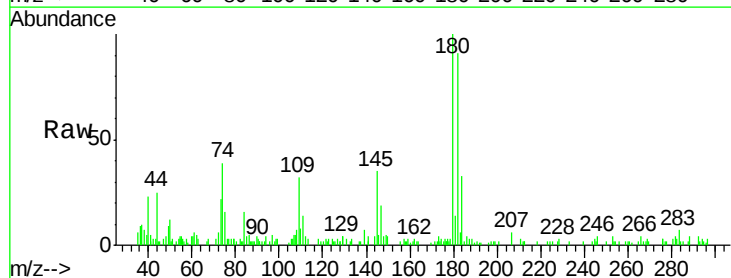
Tgt Ion:180 Resp: 5663

Ion Ratio Lower Upper

180 100

182 95.3 74.6 112.0

145 36.1 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

