

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR062018\
 Data File : VR025375.D
 Acq On : 20 Jun 2018 10:48
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00591

Quant Time: Jun 21 01:35:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR061518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jun 20 01:37:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	670378	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	549571	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	216162	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	91972	4.03	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.60%
7) Chloroethane-d5	2.64	69	71136	4.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.80%
11) 1,1-Dichloroethene-d2	3.64	63	253623	4.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.40%
20) 2-Butanone-d5	6.59	46	310692	50.76	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.52%
24) Chloroform-d	7.20	84	426139	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.00%
26) 1,2-Dichloroethane-d4	7.89	65	162017	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
32) Benzene-d6	7.86	84	904314	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
36) 1,2-Dichloropropane-d6	8.90	67	266031	5.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.60%
41) Toluene-d8	9.97	98	804597	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.60%
43) trans-1,3-Dichloropropene-	10.24	79	62315	4.42	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.40%
46) 2-Hexanone-d5	10.59	63	264576	54.11	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.22%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	114824	5.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.40%
64) 1,2-Dichlorobenzene-d4	13.51	152	172349	4.70	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	189259	4.368 ug/L	99
3) Chloromethane	2.01	50	114678	3.656 ug/L	98
5) Vinyl chloride	2.16	62	111185	4.005 ug/L	97
6) Bromomethane	2.53	94	52857	3.906 ug/L	97
8) Chloroethane	2.67	64	62206	4.293 ug/L	87
9) Trichlorofluoromethane	2.98	101	124107	3.061 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	103632	4.357 ug/L #	74
12) 1,1-Dichloroethene	3.66	96	102525	4.351 ug/L	98
13) Acetone	3.70	43	124219	44.938 ug/L	97
14) Carbon disulfide	3.96	76	190205	3.836 ug/L	100
15) Methyl Acetate	4.19	43	28054	4.037 ug/L #	91
16) Methylene chloride	4.40	84	59981	2.798 ug/L	82
17) Methyl tert-butyl Ether	4.90	73	285272	4.061 ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	229964	4.747 ug/L	91
19) 1,1-Dichloroethane	5.69	63	427606	4.698 ug/L	96
21) 2-Butanone	6.69	43	311034	47.606 ug/L	100
22) cis-1,2-Dichloroethene	6.68	96	239612	4.740 ug/L #	98

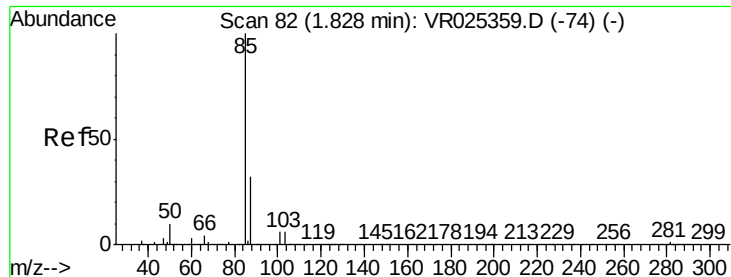
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR062018\
 Data File : VR025375.D
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Quant Time: Jun 21 01:35:02 2018
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jun 20 01:37:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	69082	4.666	ug/L	95
25) Chloroform	7.23	83	398182	4.786	ug/L	99
27) 1,2-Dichloroethane	7.90	62	8120	0.214	ug/L	98
29) 1,1,1-Trichloroethane	7.43	97	288151	4.414	ug/L	99
30) Cyclohexane	7.52	56	341064	4.093	ug/L	99
31) Carbon tetrachloride	7.64	117	259835	4.534	ug/L	99
33) Benzene	7.91	78	993112	4.602	ug/L	100
34) Trichloroethene	8.71	95	236096	4.523	ug/L	97
35) Methylcyclohexane	8.95	83	359886	4.369	ug/L	98
37) 1,2-Dichloropropane	8.99	63	229826	4.791	ug/L	100
38) Bromodichloromethane	9.28	83	211487	4.546	ug/L	99
39) cis-1,3-Dichloropropene	9.72	75	246264	4.359	ug/L	95
40) 4-Methyl-2-pentanone	9.86	43	716370	46.151	ug/L	98
42) Toluene	10.03	91	1017758	4.402	ug/L	97
44) trans-1,3-Dichloropropene	10.26	75	167374	4.307	ug/L	93
45) 1,1,2-Trichloroethane	10.44	97	105529	4.739	ug/L	97
47) Tetrachloroethene	10.51	164	157645	4.524	ug/L	96
48) 2-Hexanone	10.63	43	466620	47.159	ug/L	97
49) Dibromochloromethane	10.78	129	93118	4.343	ug/L	96
50) 1,2-Dibromoethane	10.89	107	79607	4.459	ug/L #	95
51) Chlorobenzene	11.31	112	567826	4.585	ug/L	99
52) Ethylbenzene	11.39	91	1121437	4.888	ug/L	98
53) m,p-Xylene	11.50	106	412688	4.712	ug/L	93
54) o-Xylene	11.83	106	376479	4.810	ug/L	93
55) Styrene	11.85	104	599038	4.980	ug/L	93
56) Isopropylbenzene	12.13	105	1048398	4.982	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.38	83	100839	4.890	ug/L	92
59) 1,2,3-Trichloropropane	12.44	75	68613	4.610	ug/L	97
61) Bromoform	12.01	173	27990	3.631	ug/L	96
62) 1,3-Dichlorobenzene	13.16	146	336694	4.438	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	360438	4.752	ug/L	99
65) 1,2-Dichlorobenzene	13.53	146	288518	4.746	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.14	75	9167	3.816	ug/L #	74
67) 1,3,5-Trichlorobenzene	14.29	180	237006	4.717	ug/L	99
68) 1,2,4-trichlorobenzene	14.79	180	156645	4.479	ug/L	98
69) Naphthalene	15.00	128	196343	4.313	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	131160	4.846	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.368 ug/L

RT: 1.83 min Scan# 83

Delta R.T. 0.01 min

Lab File: VR025375.D

Acq: 20 Jun 2018 10:48

Instrument :

MSVOA_R

ClientSampled :

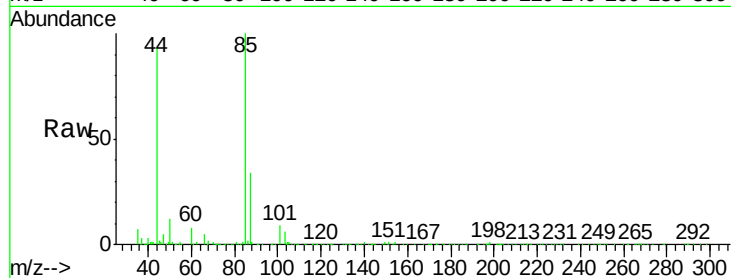
VSTD00591

Tgt Ion: 85 Resp: 189259

Ion Ratio Lower Upper

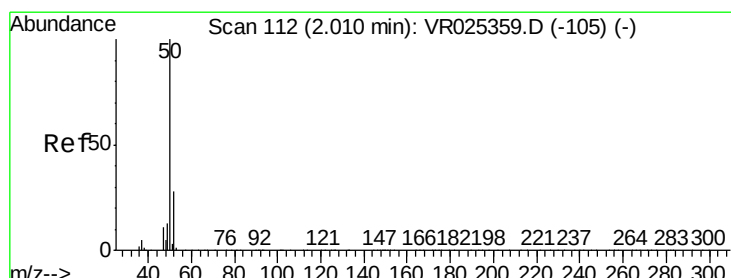
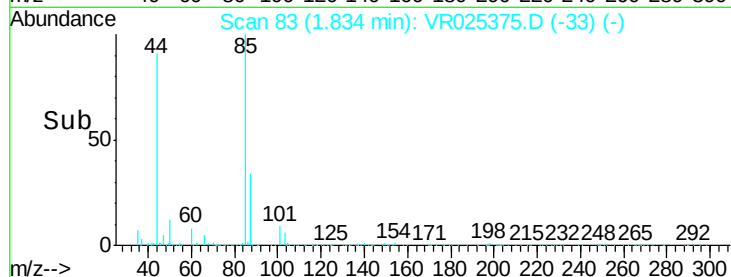
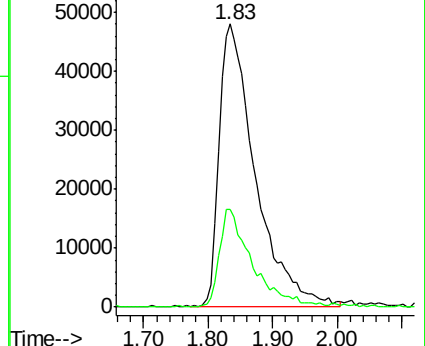
85 100

87 31.4 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0



#3

Chloromethane

Concen: 3.656 ug/L

RT: 2.01 min Scan# 112

Delta R.T. -0.00 min

Lab File: VR025375.D

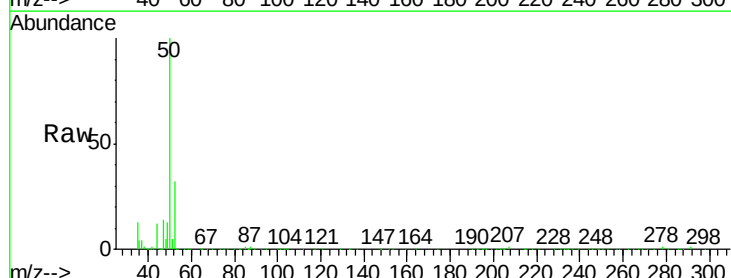
Acq: 20 Jun 2018 10:48

Tgt Ion: 50 Resp: 114678

Ion Ratio Lower Upper

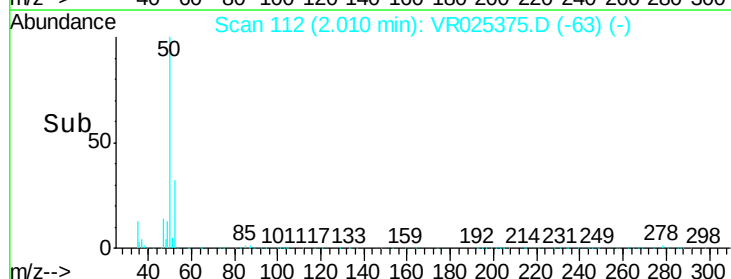
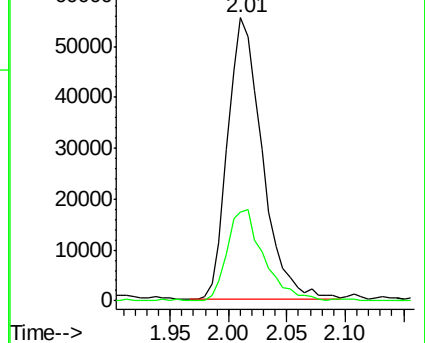
50 100

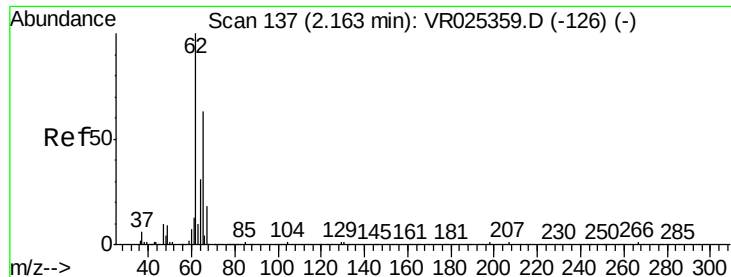
52 31.6 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 4.005 ug/L

RT: 2.16 min Scan# 137

Delta R.T. -0.00 min

Lab File: VR025375.D

Acq: 20 Jun 2018 10:48

Instrument :

MSVOA_R

ClientSampleId :

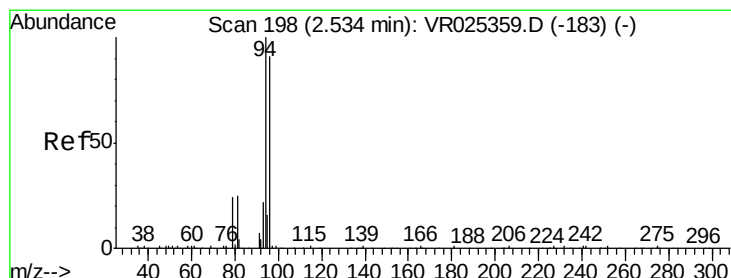
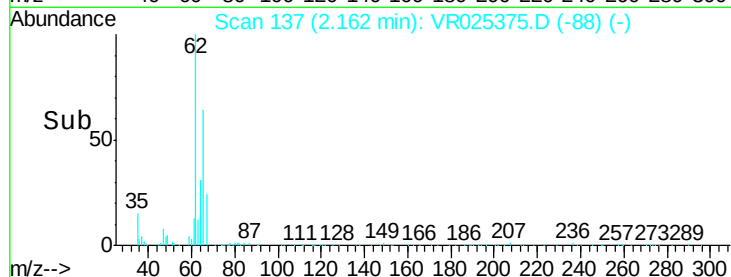
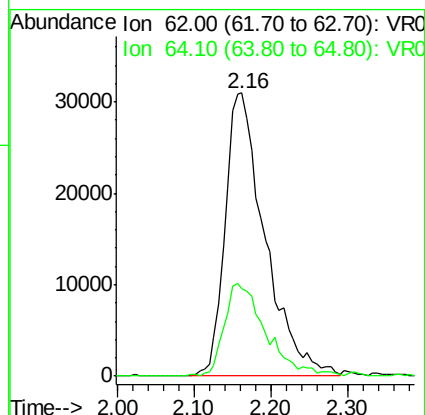
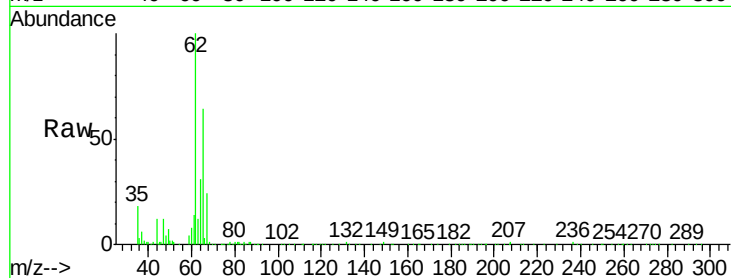
VSTD00591

Tgt Ion: 62 Resp: 111185

Ion Ratio Lower Upper

62 100

64 30.9 22.8 42.4



#6

Bromomethane

Concen: 3.906 ug/L

RT: 2.53 min Scan# 197

Delta R.T. -0.01 min

Lab File: VR025375.D

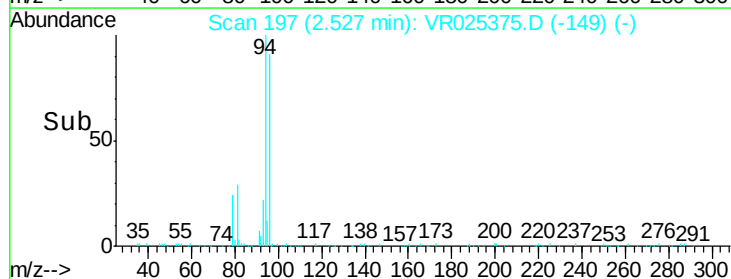
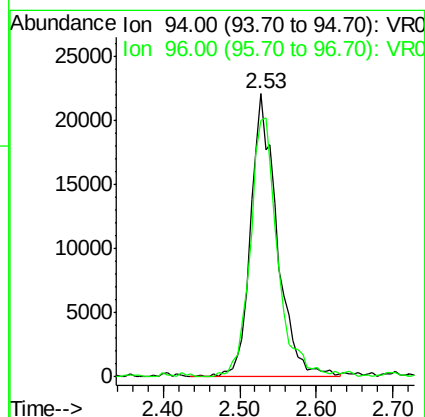
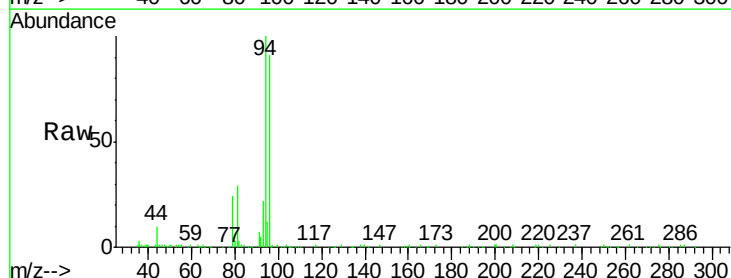
Acq: 20 Jun 2018 10:48

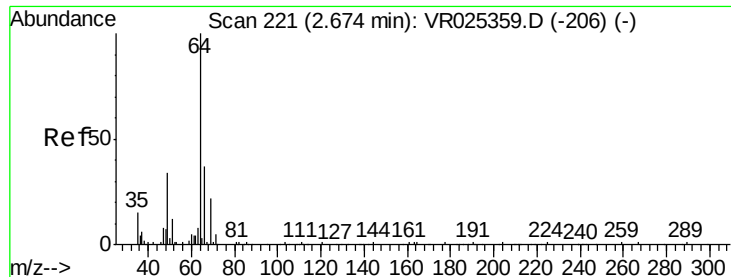
Tgt Ion: 94 Resp: 52857

Ion Ratio Lower Upper

94 100

96 91.1 65.9 122.3





#8

Chloroethane

Concen: 4.293 ug/L

RT: 2.67 min Scan# 220

Delta R.T. -0.01 min

Lab File: VR025375.D

Acq: 20 Jun 2018 10:48

Instrument :

MSVOA_R

ClientSampleId :

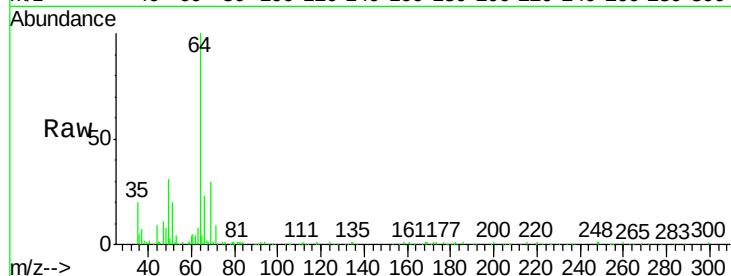
VSTD00591

Tgt Ion: 64 Resp: 62206

Ion Ratio Lower Upper

64 100

66 23.2 21.3 39.5



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0

25000

20000

15000

10000

5000

0

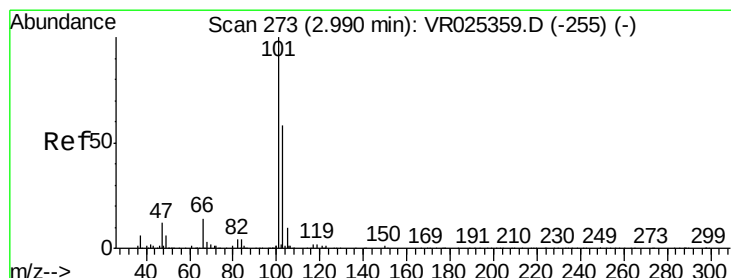
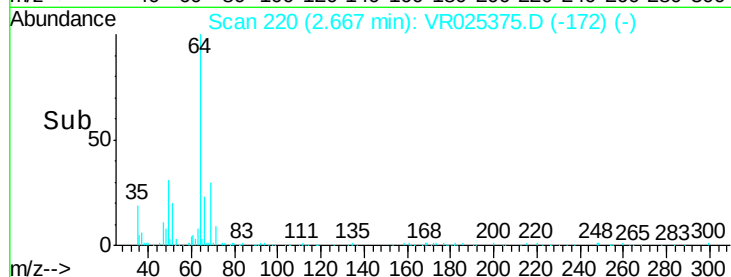
Time-->

2.50

2.60

2.70

2.80



#9

Trichlorofluoromethane

Concen: 3.061 ug/L

RT: 2.98 min Scan# 272

Delta R.T. -0.01 min

Lab File: VR025375.D

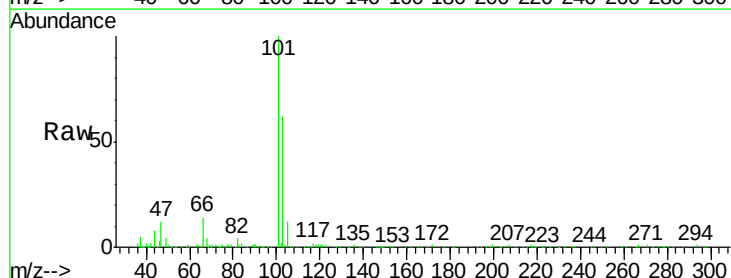
Acq: 20 Jun 2018 10:48

Tgt Ion: 101 Resp: 124107

Ion Ratio Lower Upper

101 100

103 56.7 11.0 16.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

30000

25000

20000

15000

10000

5000

0

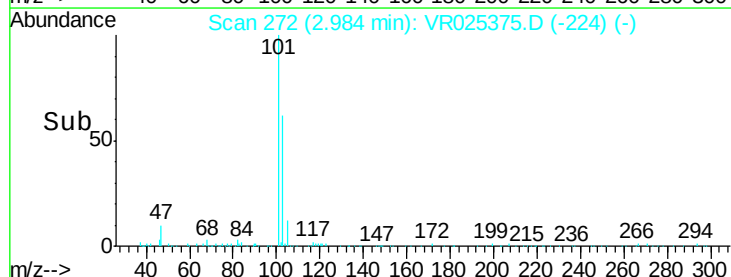
Time-->

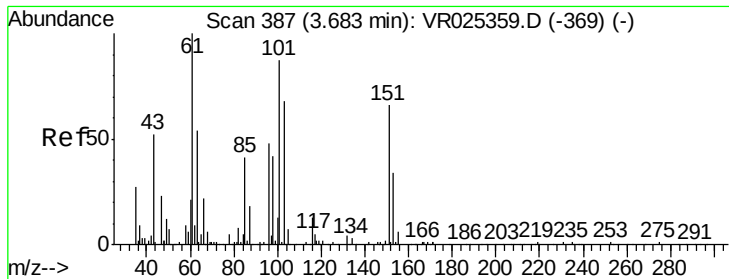
2.90

3.00

3.10

3.20





#10

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

Concen: 4.357 ug/L

RT: 3.68 min Scan# 387

Delta R.T. -0.00 min

Lab File: VR025375.D

Acq: 20 Jun 2018 10:48

Instrument :

MSVOA_R

ClientSampleId :

VSTD00591

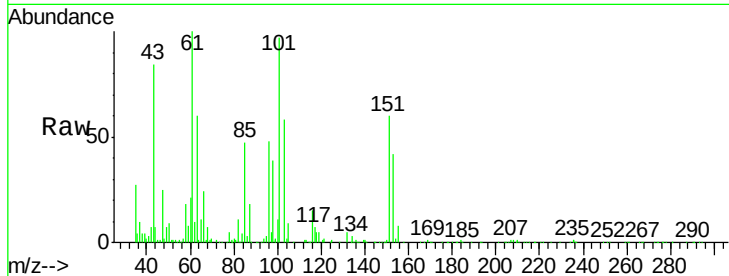
Tgt Ion:101 Resp: 103632

Ion Ratio Lower Upper

101 100

85 51.7 39.1 58.7

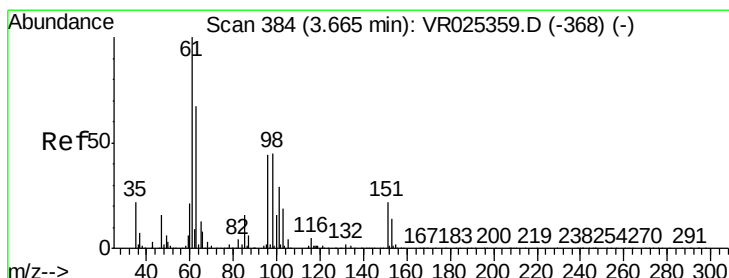
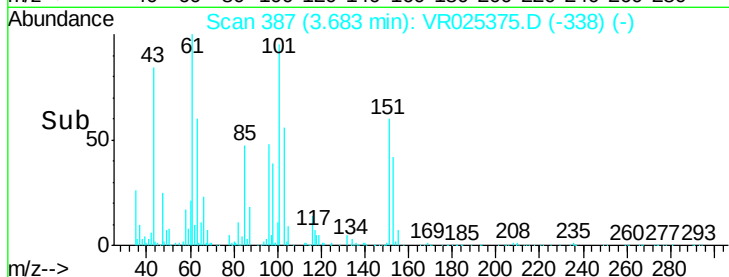
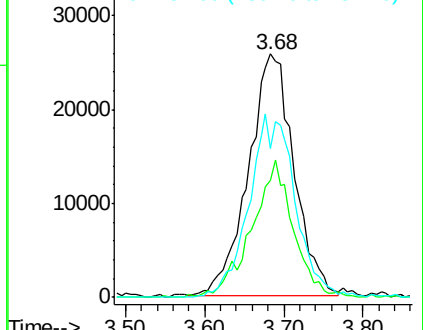
151 38.5 57.5 86.3#



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: 4.351 ug/L

RT: 3.66 min Scan# 383

Delta R.T. -0.01 min

Lab File: VR025375.D

Acq: 20 Jun 2018 10:48

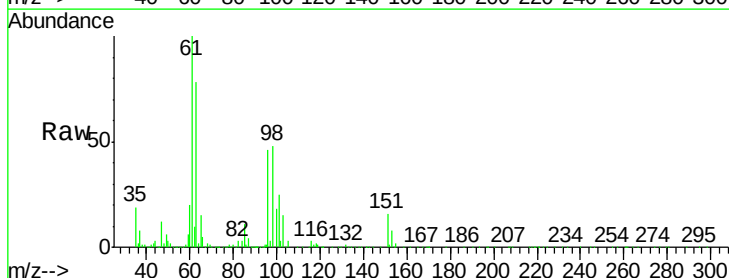
Tgt Ion: 96 Resp: 102525

Ion Ratio Lower Upper

96 100

61 217.9 155.0 287.9

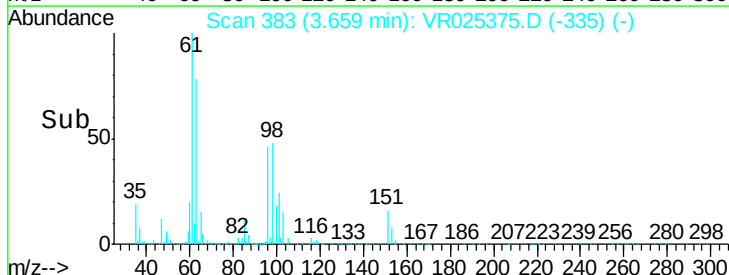
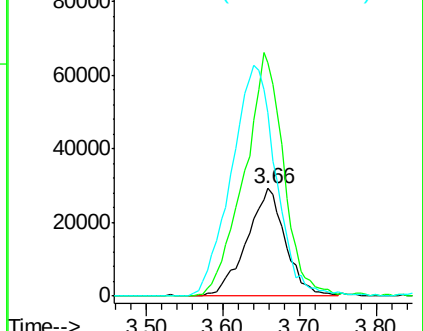
63 170.8 122.3 227.1

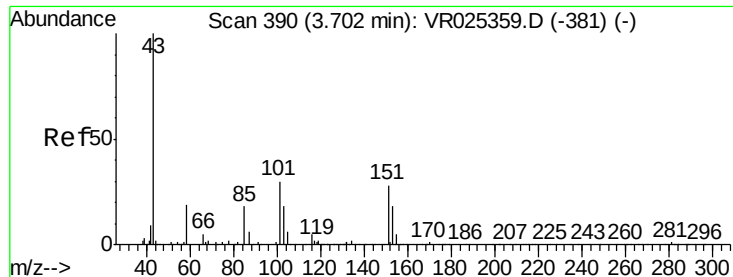


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 44.938 ug/L

RT: 3.70 min Scan# 390

Delta R.T. -0.00 min

Lab File: VR025375.D

Acq: 20 Jun 2018 10:48

Instrument :

MSVOA_R

ClientSampleId :

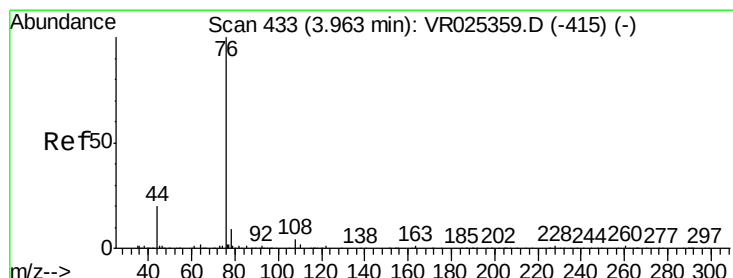
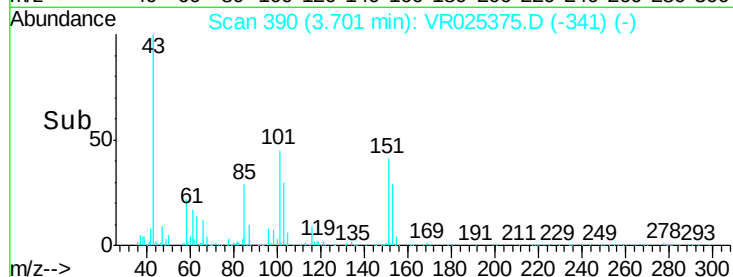
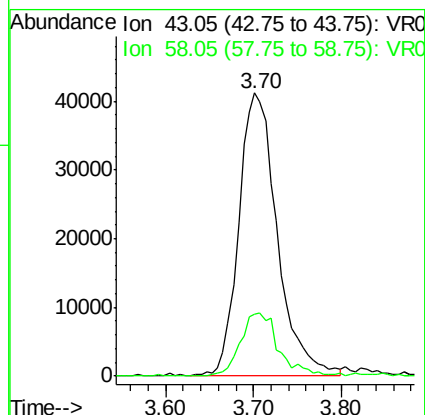
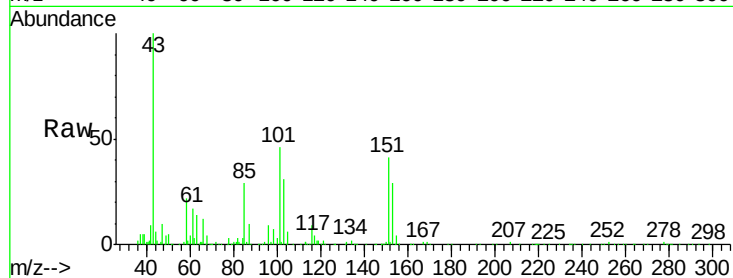
VSTD00591

Tgt Ion: 43 Resp: 124219

Ion Ratio Lower Upper

43 100

58 22.3 0.0 41.6



#14

Carbon disulfide

Concen: 3.836 ug/L

RT: 3.96 min Scan# 433

Delta R.T. -0.00 min

Lab File: VR025375.D

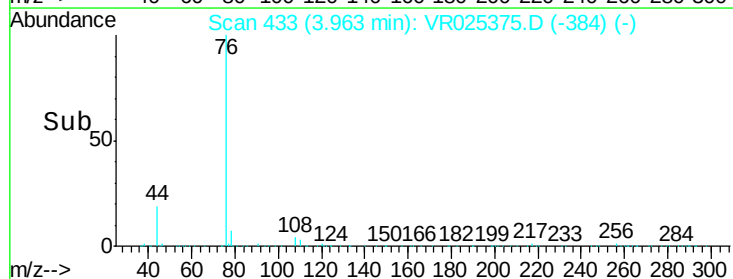
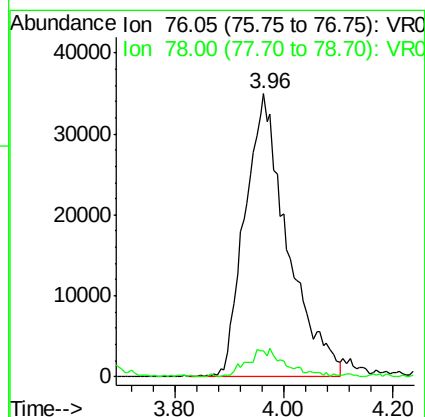
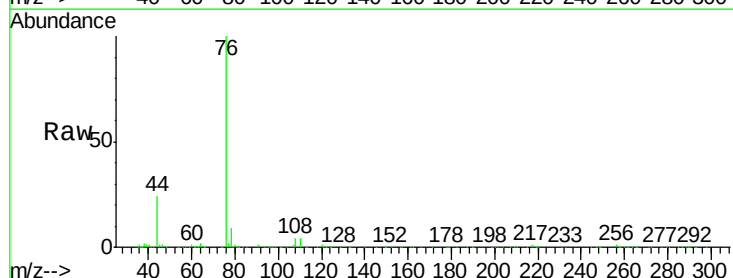
Acq: 20 Jun 2018 10:48

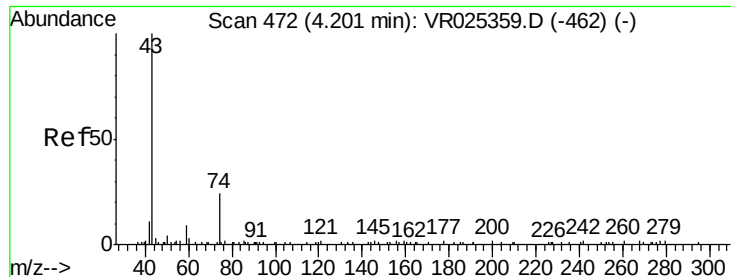
Tgt Ion: 76 Resp: 190205

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.2

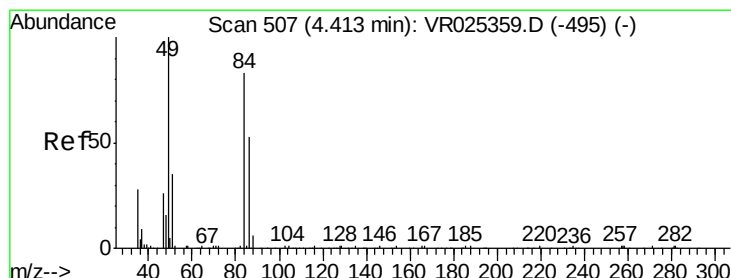
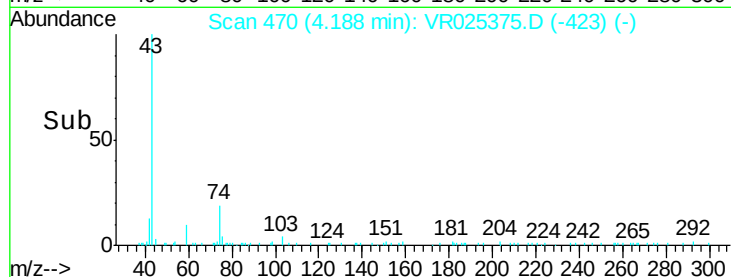
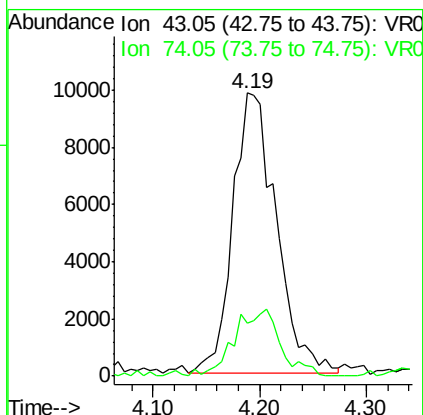
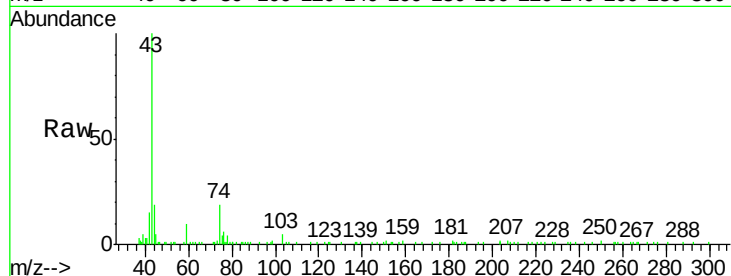




#15
Methyl Acetate
Concen: 4.037 ug/L
RT: 4.19 min Scan# 470
Delta R.T. -0.01 min
Lab File: VR025375.D
Acq: 20 Jun 2018 10:48

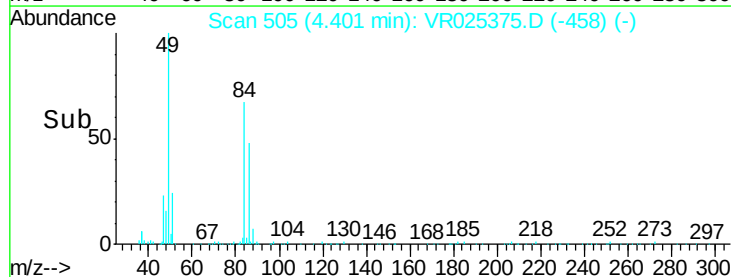
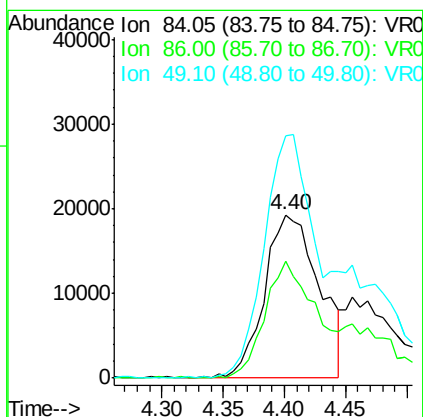
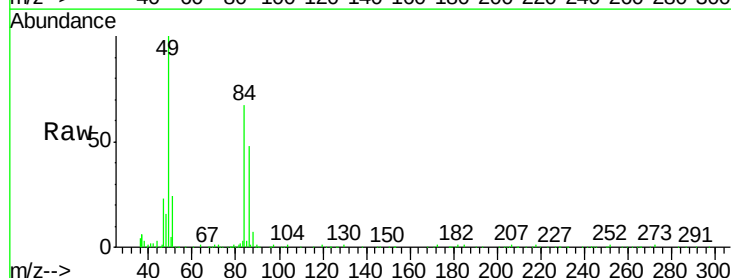
Instrument :
MSVOA_R
ClientSampled :
VSTD00591

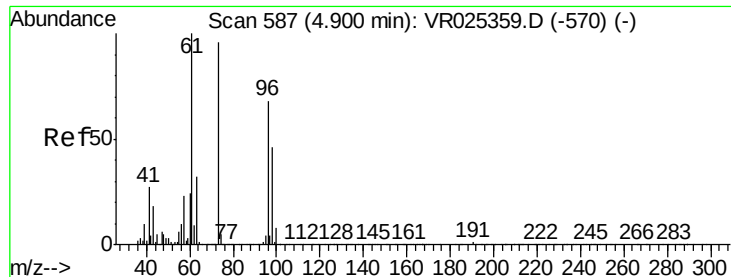
Tgt Ion: 43 Resp: 28054
Ion Ratio Lower Upper
43 100
74 25.3 16.7 25.1#



#16
Methylene chloride
Concen: 2.798 ug/L
RT: 4.40 min Scan# 505
Delta R.T. -0.01 min
Lab File: VR025375.D
Acq: 20 Jun 2018 10:48

Tgt Ion: 84 Resp: 59981
Ion Ratio Lower Upper
84 100
86 71.6 43.7 81.1
49 148.5 87.2 162.0

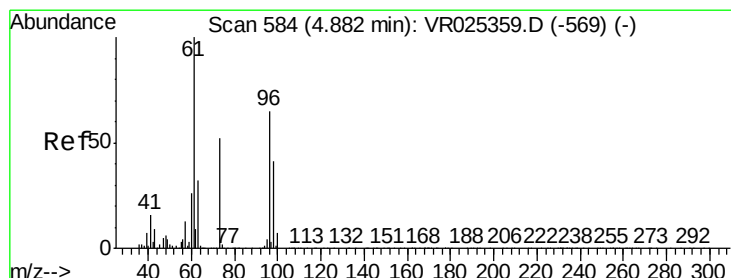
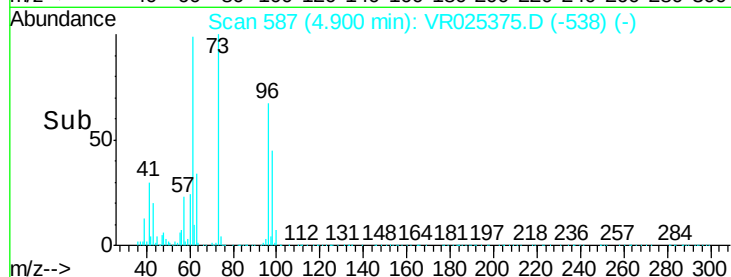
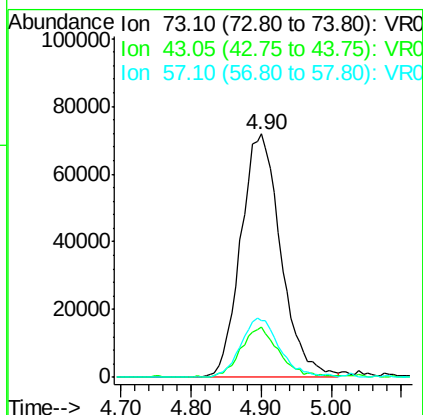
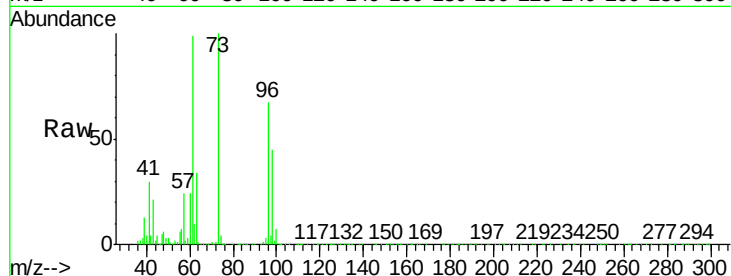




#17
Methyl tert-butyl Ether
Concen: 4.061 ug/L
RT: 4.90 min Scan# 587
Delta R.T. -0.00 min
Lab File: VR025375.D
Acq: 20 Jun 2018 10:48

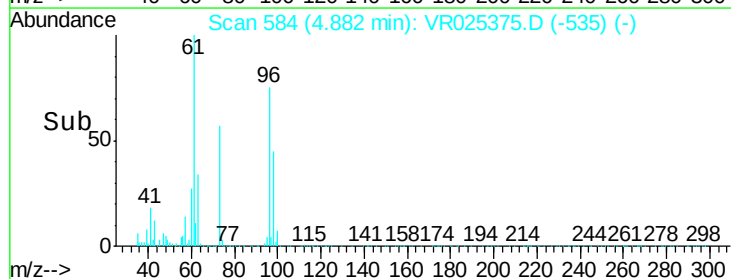
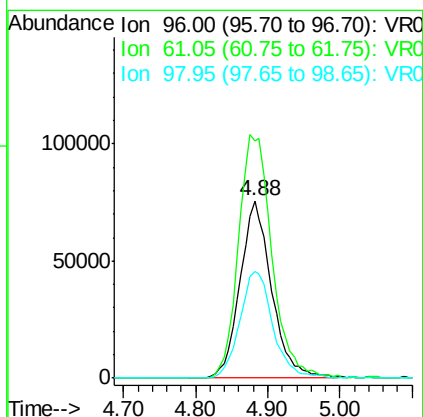
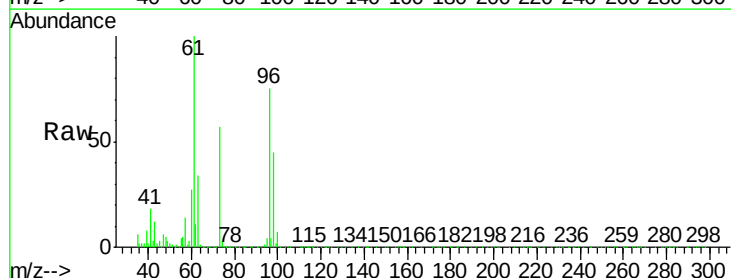
Instrument :
MSVOA_R
ClientSampleId :
VSTD00591

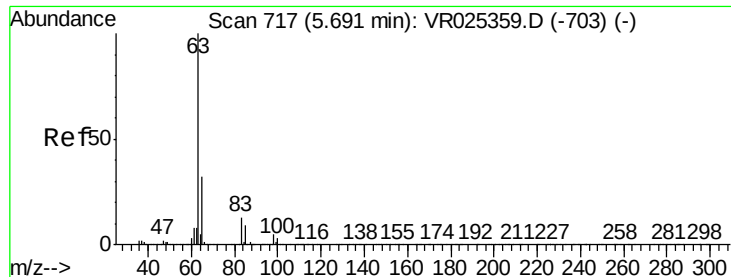
Tgt Ion: 73 Resp: 285272
Ion Ratio Lower Upper
73 100
43 19.1 15.8 23.6
57 23.3 19.0 28.4



#18
trans-1,2-Dichloroethene
Concen: 4.747 ug/L
RT: 4.88 min Scan# 584
Delta R.T. -0.00 min
Lab File: VR025375.D
Acq: 20 Jun 2018 10:48

Tgt Ion: 96 Resp: 229964
Ion Ratio Lower Upper
96 100
61 134.0 104.4 193.8
98 60.3 43.1 80.1

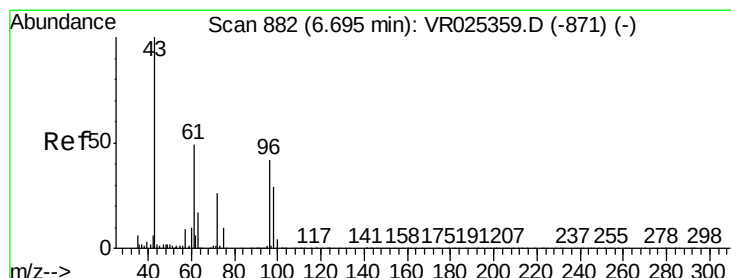
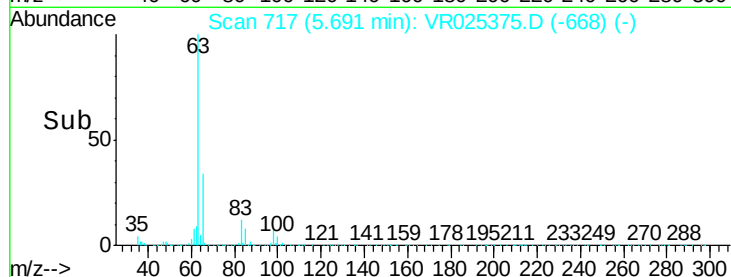
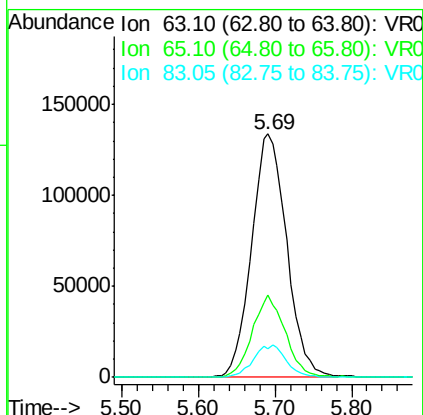
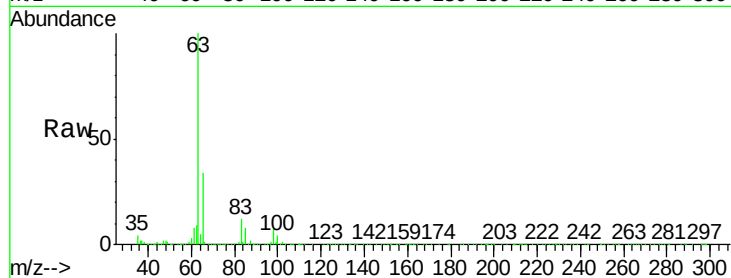




#19
 1,1-Dichloroethane
 Concen: 4.698 ug/L
 RT: 5.69 min Scan# 717
 Delta R.T. -0.00 min
 Lab File: VR025375.D
 Acq: 20 Jun 2018 10:48

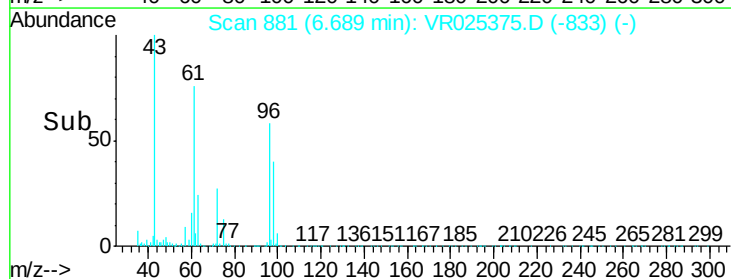
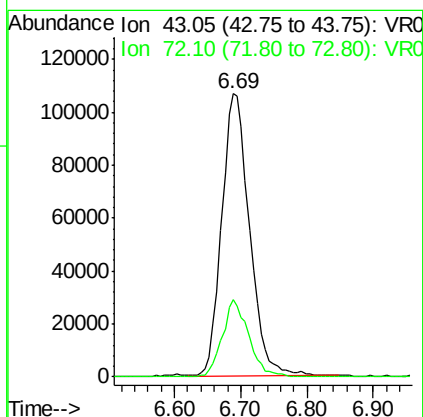
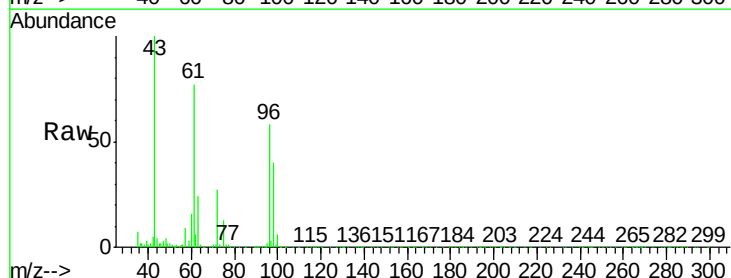
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00591

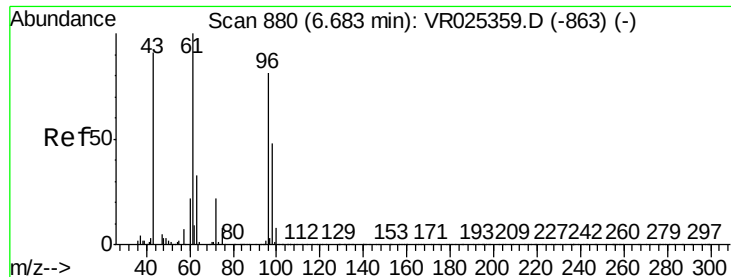
Tgt Ion:	63	Resp:	427606
Ion	Ratio	Lower	Upper
63	100		
65	33.9	22.5	41.7
83	11.7	9.5	17.7



#21
 2-Butanone
 Concen: 47.606 ug/L
 RT: 6.69 min Scan# 881
 Delta R.T. -0.01 min
 Lab File: VR025375.D
 Acq: 20 Jun 2018 10:48

Tgt Ion:	43	Resp:	311034
Ion	Ratio	Lower	Upper
43	100		
72	25.8	13.0	38.9





#22

cis-1,2-Dichloroethene

Concen: 4.740 ug/L

RT: 6.68 min Scan# 879

Delta R.T. -0.01 min

Lab File: VR025375.D

Acq: 20 Jun 2018 10:48

Instrument :

MSVOA_R

ClientSampleId :

VSTD00591

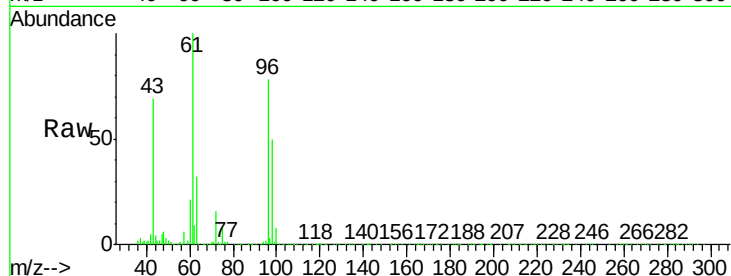
Tgt Ion: 96 Resp: 239612

Ion Ratio Lower Upper

96 100

61 127.8 91.0 169.0

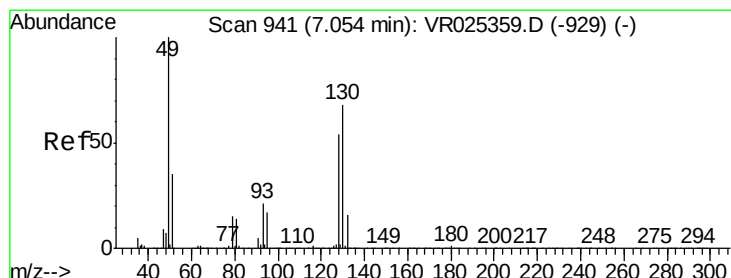
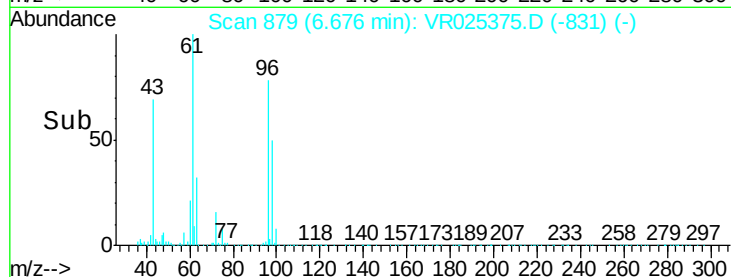
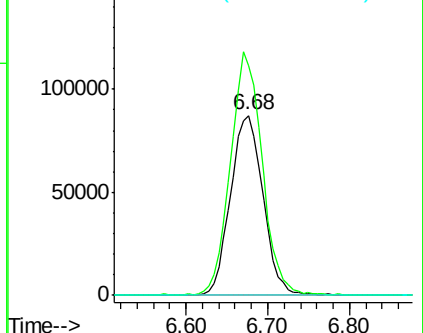
68 0.3 0.0 0.0#



Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 68.15 (67.85 to 68.85): VR0



#23

Bromochloromethane

Concen: 4.666 ug/L

RT: 7.05 min Scan# 940

Delta R.T. -0.01 min

Lab File: VR025375.D

Acq: 20 Jun 2018 10:48

Tgt Ion: 128 Resp: 69082

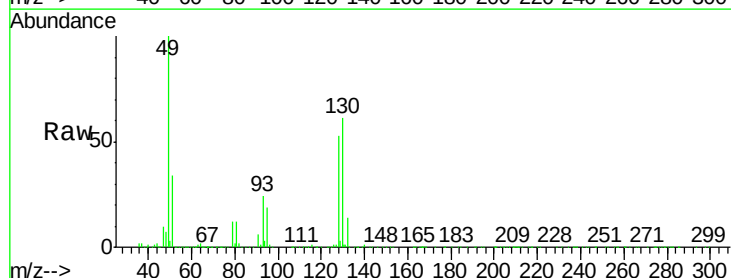
Ion Ratio Lower Upper

128 100

49 187.2 128.7 238.9

130 114.1 87.2 161.9

51 63.1 48.2 72.2

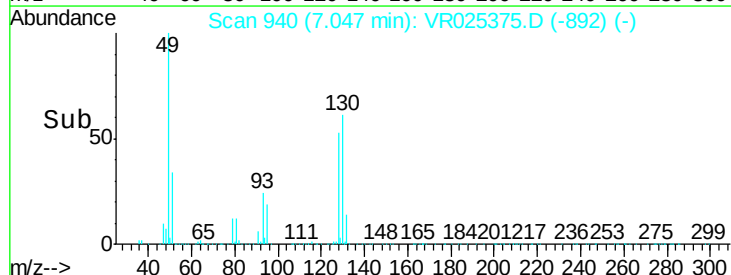
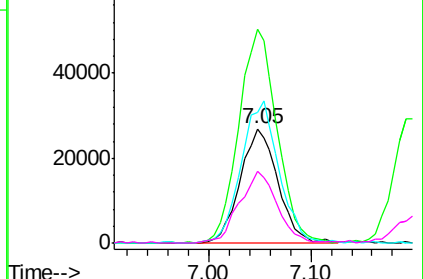


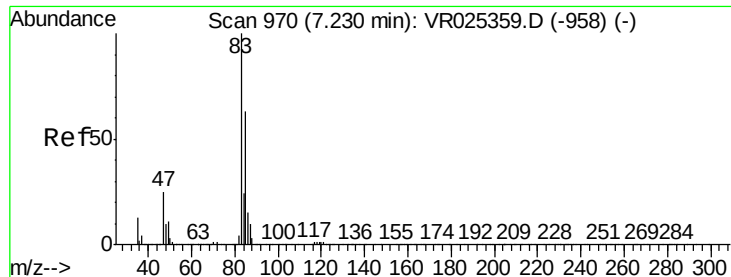
Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VR0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VR0





#25

Chloroform

Concen: 4.786 ug/L

RT: 7.23 min Scan# 970

Delta R.T. -0.00 min

Lab File: VR025375.D

Acq: 20 Jun 2018 10:48

Instrument :

MSVOA_R

ClientSampleId :

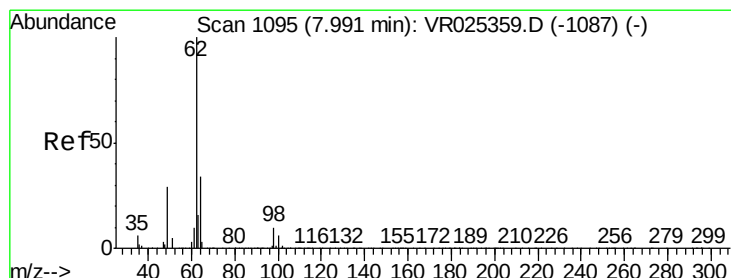
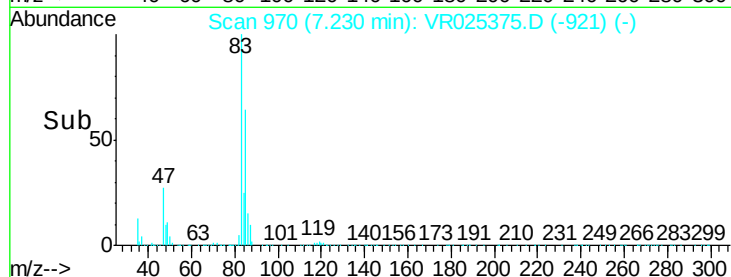
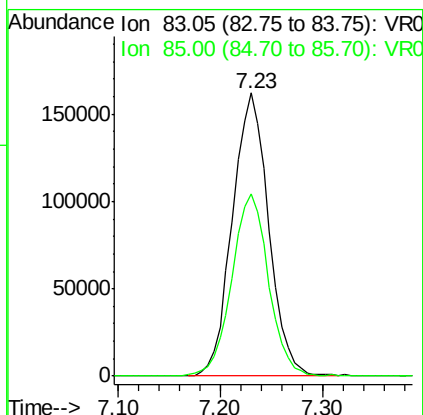
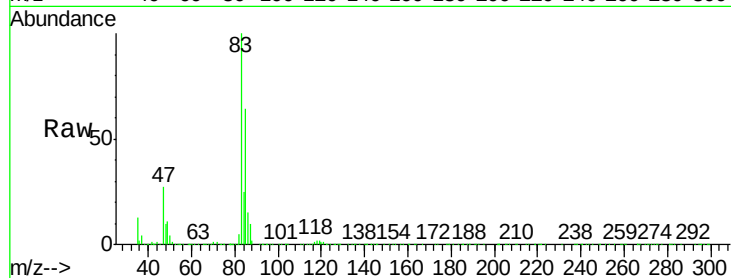
VSTD00591

Tgt Ion: 83 Resp: 398182

Ion Ratio Lower Upper

83 100

85 64.2 45.4 84.4



#27

1,2-Dichloroethane

Concen: 0.214 ug/L

RT: 7.90 min Scan# 1080

Delta R.T. -0.09 min

Lab File: VR025375.D

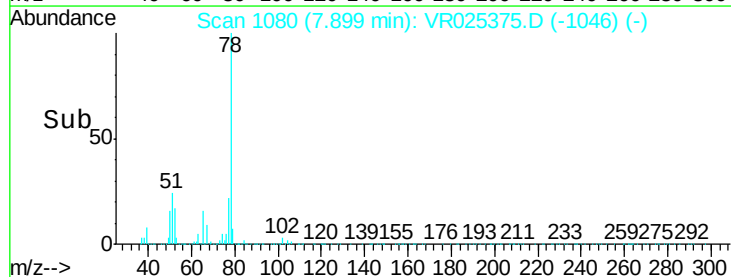
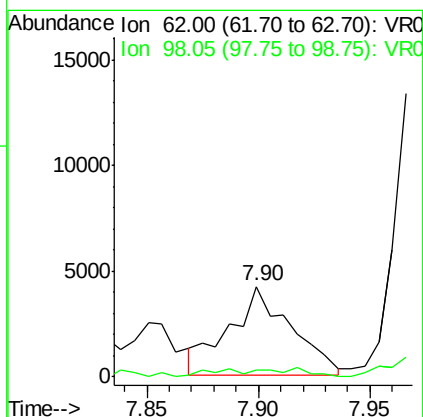
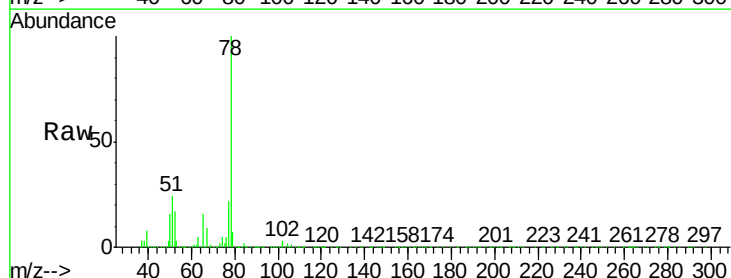
Acq: 20 Jun 2018 10:48

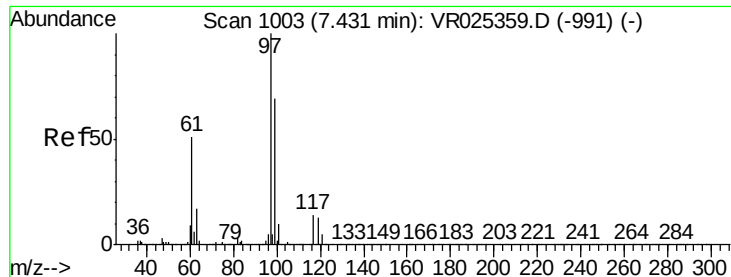
Tgt Ion: 62 Resp: 8120

Ion Ratio Lower Upper

62 100

98 7.5 5.4 8.2

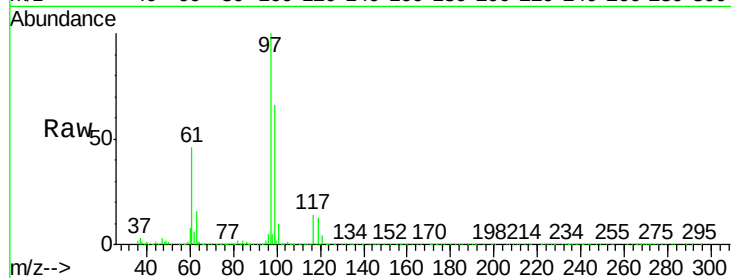




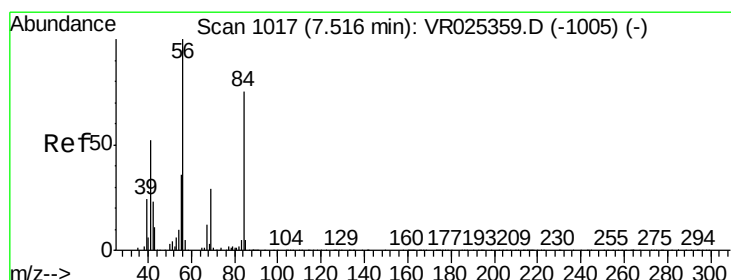
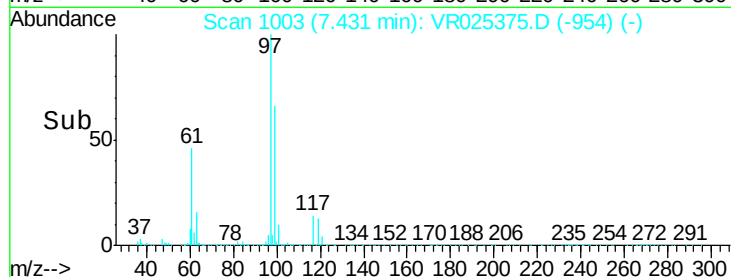
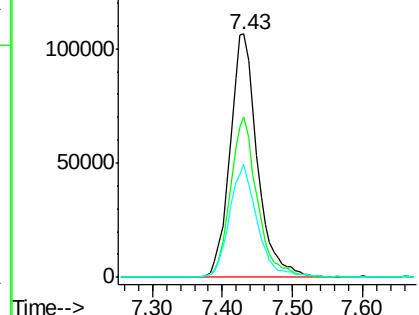
#29
1,1,1-Trichloroethane
Concen: 4.414 ug/L
RT: 7.43 min Scan# 1003
Delta R.T. -0.00 min
Lab File: VR025375.D
Acq: 20 Jun 2018 10:48

Instrument :
MSVOA_R
ClientSampleId :
VSTD00591

Tgt Ion: 97 Resp: 288151
Ion Ratio Lower Upper
97 100
99 64.9 52.1 78.1
61 46.9 37.0 55.6

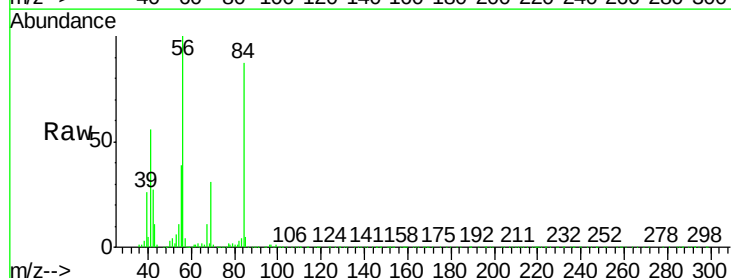


Abundance Ion 96.95 (96.65 to 97.65): VR0
Ion 99.05 (98.75 to 99.75): VR0
Ion 61.05 (60.75 to 61.75): VR0

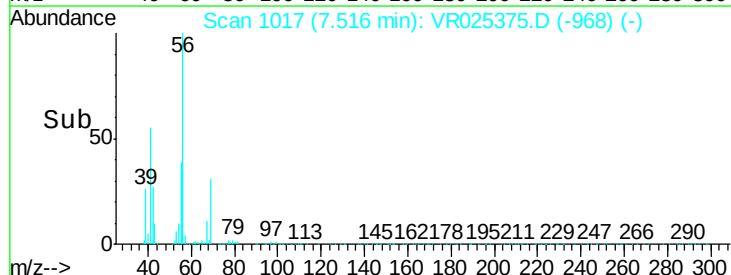
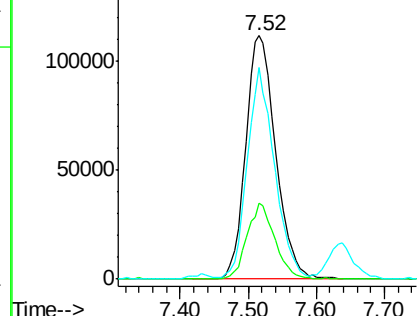


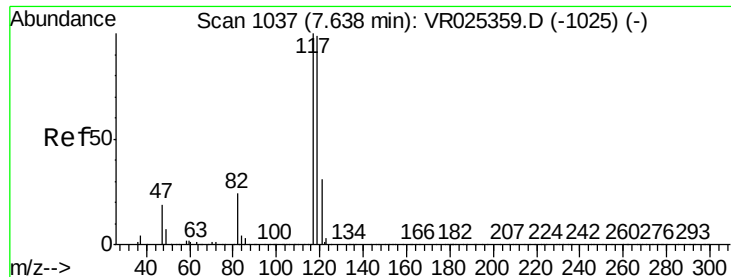
#30
Cyclohexane
Concen: 4.093 ug/L
RT: 7.52 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VR025375.D
Acq: 20 Jun 2018 10:48

Tgt Ion: 56 Resp: 341064
Ion Ratio Lower Upper
56 100
69 28.6 23.7 35.5
84 79.3 62.6 93.8



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: 4.534 ug/L

RT: 7.64 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VR025375.D

Acq: 20 Jun 2018 10:48

Instrument :

MSVOA_R

ClientSampled :

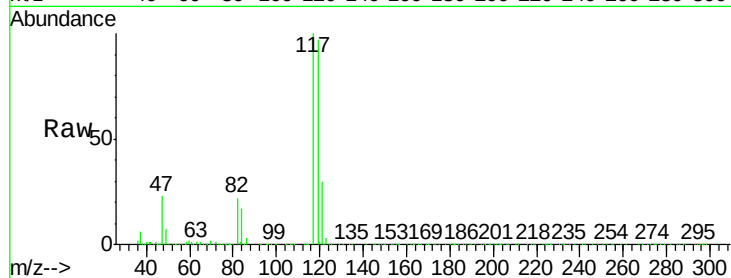
VSTD00591

Tgt Ion:117 Resp: 259835

Ion Ratio Lower Upper

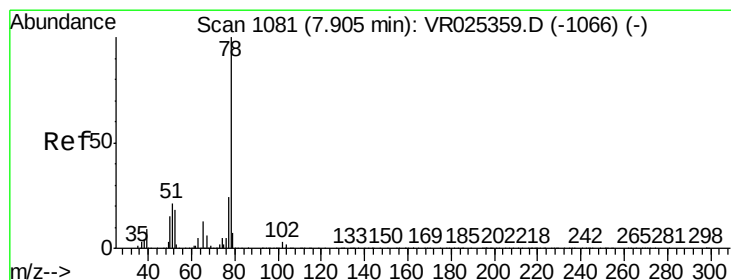
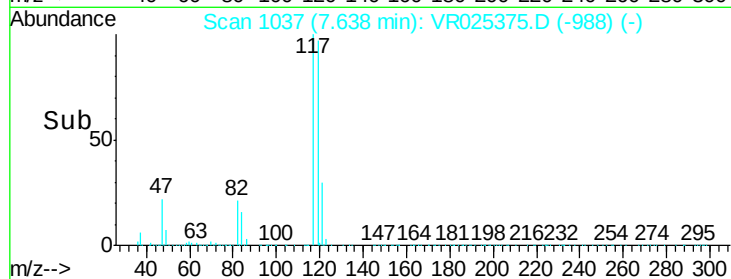
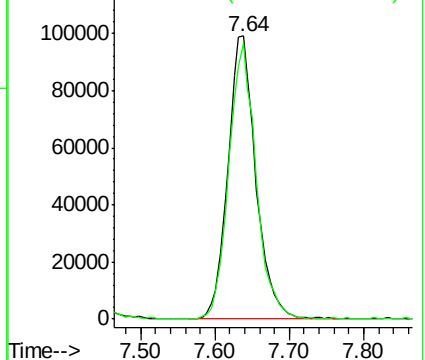
117 100

119 95.3 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: 4.602 ug/L

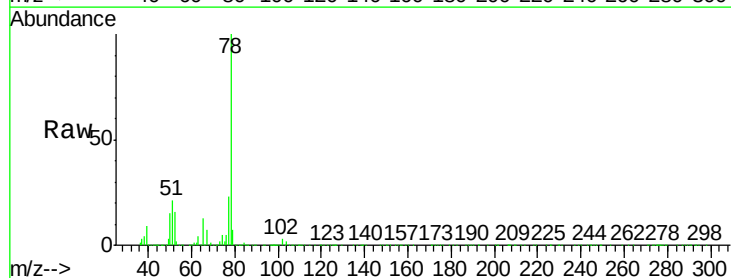
RT: 7.91 min Scan# 1081

Delta R.T. -0.00 min

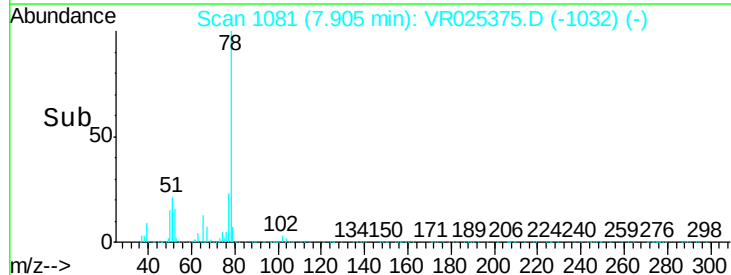
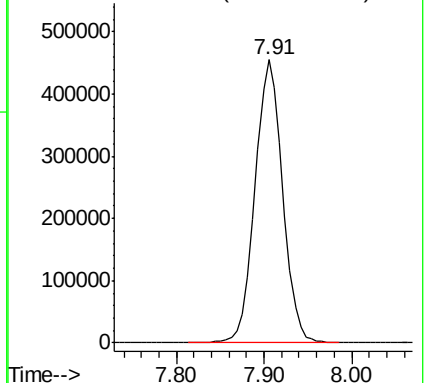
Lab File: VR025375.D

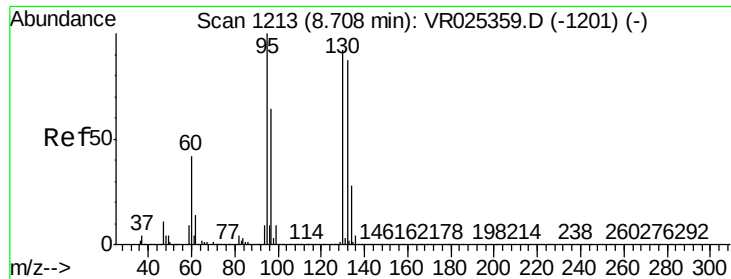
Acq: 20 Jun 2018 10:48

Tgt Ion: 78 Resp: 993112



Abundance Ion 78.10 (77.80 to 78.80): VR0

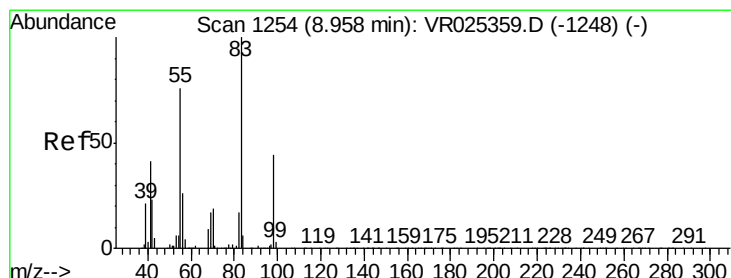
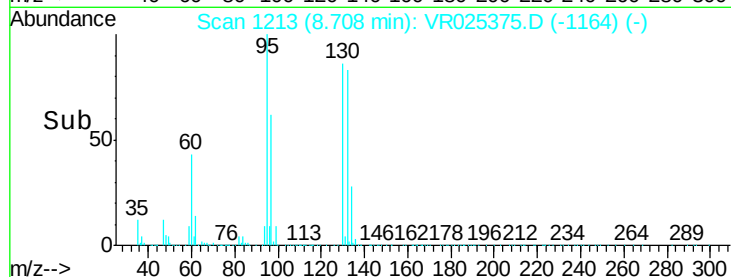
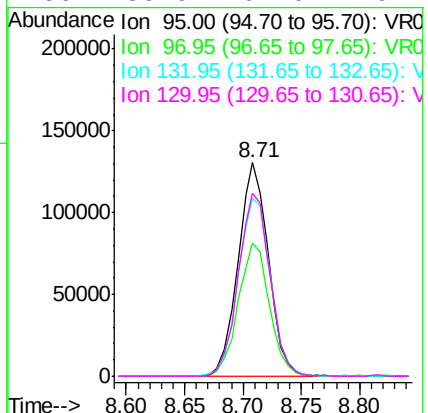
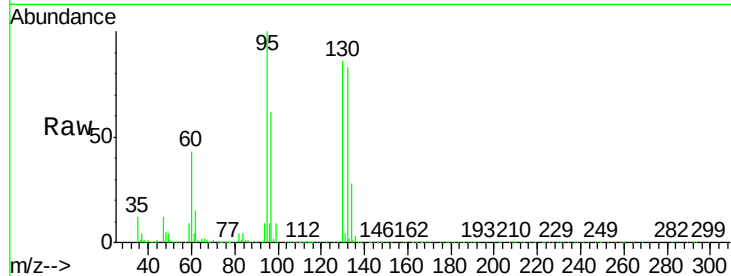




#34
 Trichloroethene
 Concen: 4.523 ug/L
 RT: 8.71 min Scan# 1213
 Delta R.T. -0.00 min
 Lab File: VR025375.D
 Acq: 20 Jun 2018 10:48

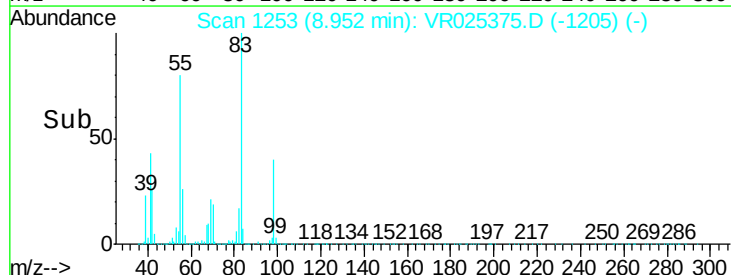
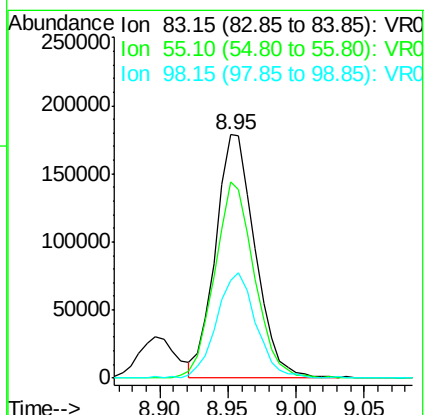
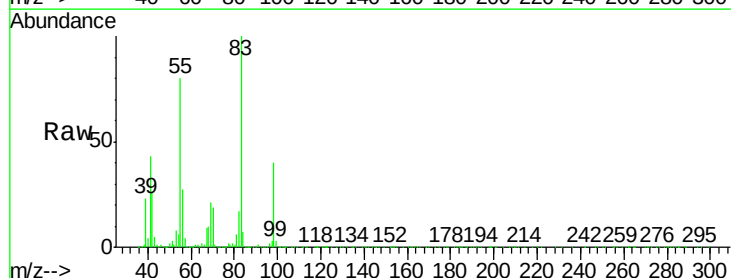
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00591

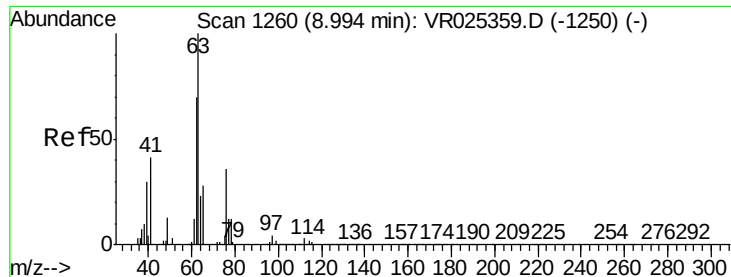
Tgt Ion:	95	Resp:	236096
Ion	Ratio	Lower	Upper
95	100		
97	62.3	45.6	84.6
132	83.4	60.9	113.1
130	85.9	62.0	115.2



#35
 Methylcyclohexane
 Concen: 4.369 ug/L
 RT: 8.95 min Scan# 1253
 Delta R.T. -0.01 min
 Lab File: VR025375.D
 Acq: 20 Jun 2018 10:48

Tgt Ion:	83	Resp:	359886
Ion	Ratio	Lower	Upper
83	100		
55	80.7	66.1	99.1
98	43.6	36.2	54.4

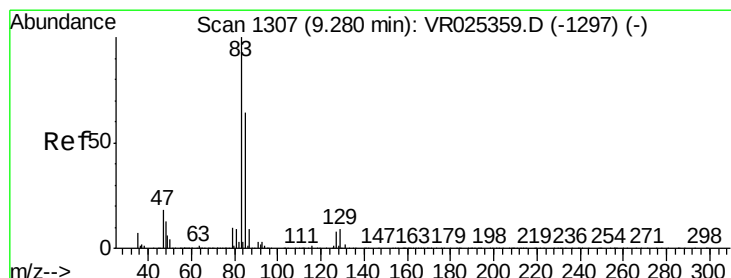
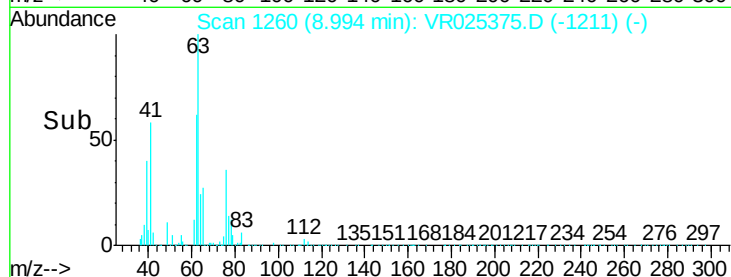
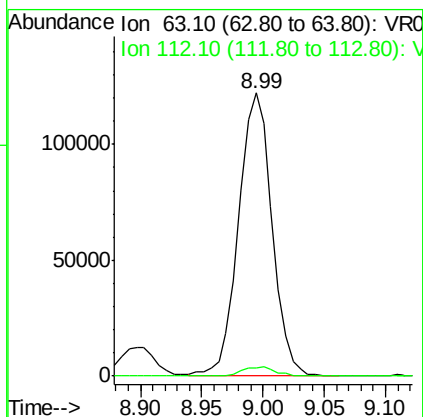
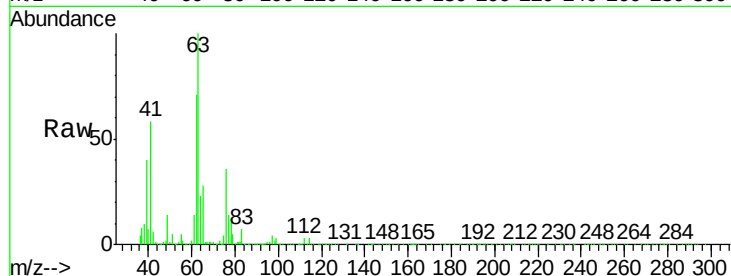




#37
 1,2-Dichloropropane
 Concen: 4.791 ug/L
 RT: 8.99 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VR025375.D
 Acq: 20 Jun 2018 10:48

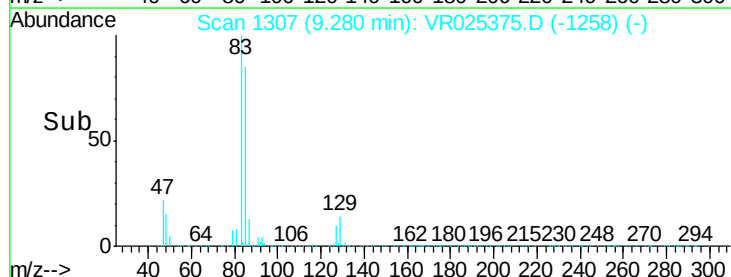
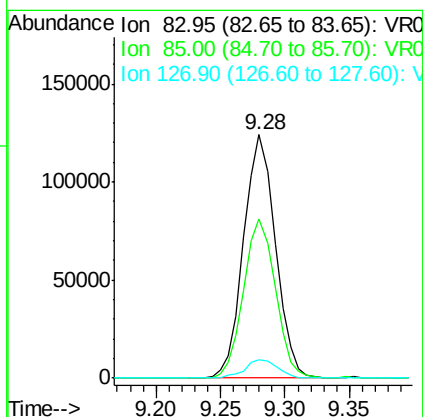
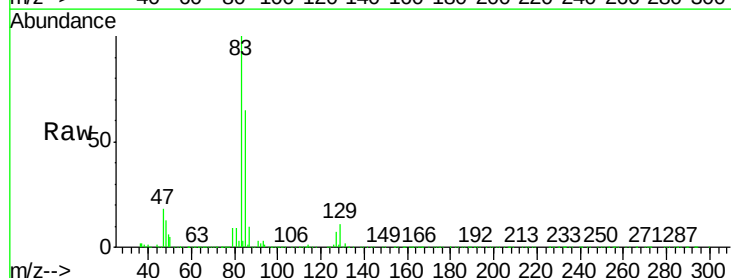
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00591

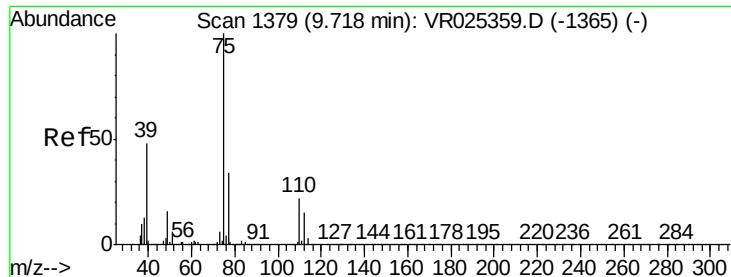
Tgt Ion: 63 Resp: 229826
 Ion Ratio Lower Upper
 63 100
 112 3.5 2.9 4.3



#38
 Bromodichloromethane
 Concen: 4.546 ug/L
 RT: 9.28 min Scan# 1307
 Delta R.T. -0.00 min
 Lab File: VR025375.D
 Acq: 20 Jun 2018 10:48

Tgt Ion: 83 Resp: 211487
 Ion Ratio Lower Upper
 83 100
 85 65.3 46.1 85.7
 127 7.4 5.7 8.5





#39

cis-1,3-Dichloropropene

Concen: 4.359 ug/L

RT: 9.72 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VR025375.D

Acq: 20 Jun 2018 10:48

Instrument :

MSVOA_R

ClientSampleId :

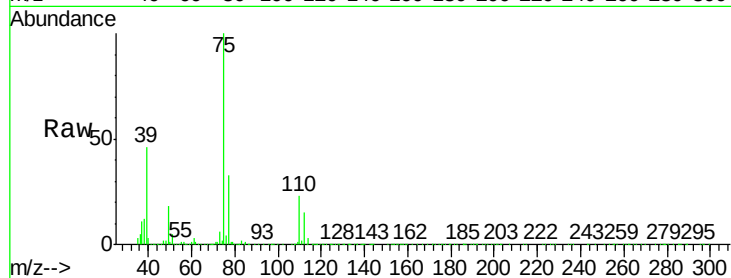
VSTD00591

Tgt Ion: 75 Resp: 246264

Ion Ratio Lower Upper

75 100

77 32.9 21.1 39.1



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

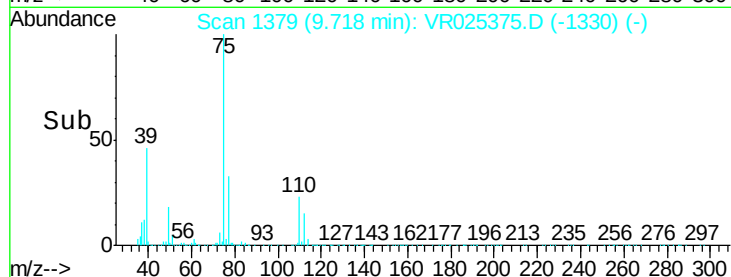
150000

100000

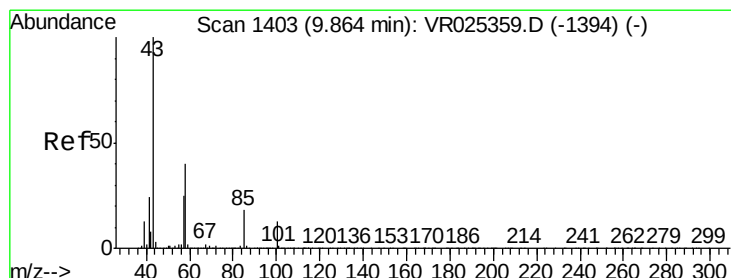
50000

0

9.60 9.70 9.80



Time-->



#40

4-Methyl-2-pentanone

Concen: 46.151 ug/L

RT: 9.86 min Scan# 1403

Delta R.T. -0.00 min

Lab File: VR025375.D

Acq: 20 Jun 2018 10:48

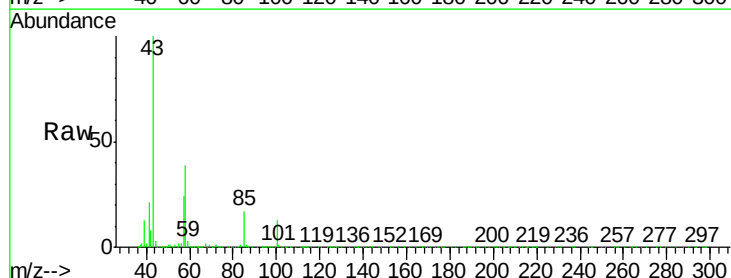
Tgt Ion: 43 Resp: 716370

Ion Ratio Lower Upper

43 100

58 39.2 30.3 45.5

100 13.1 10.3 15.5



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

600000

500000

400000

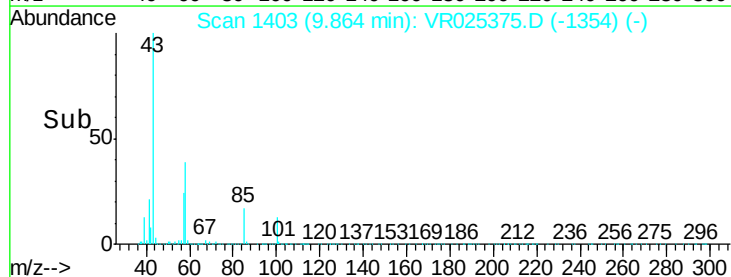
300000

200000

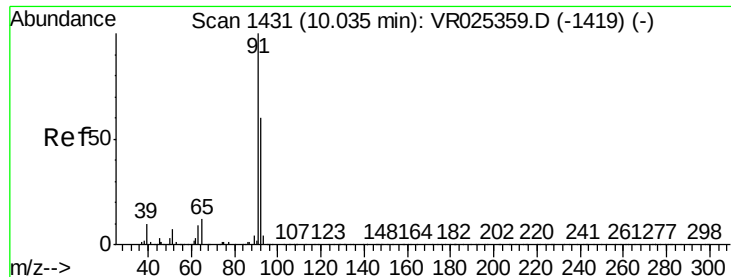
100000

0

9.80 9.90



Time-->



#42

Toluene

Concen: 4.402 ug/L

RT: 10.03 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VR025375.D

Acq: 20 Jun 2018 10:48

Instrument :

MSVOA_R

ClientSampleId :

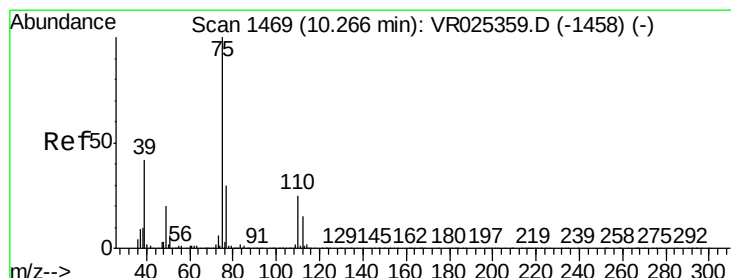
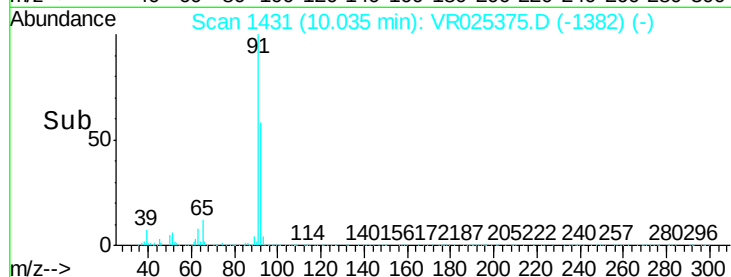
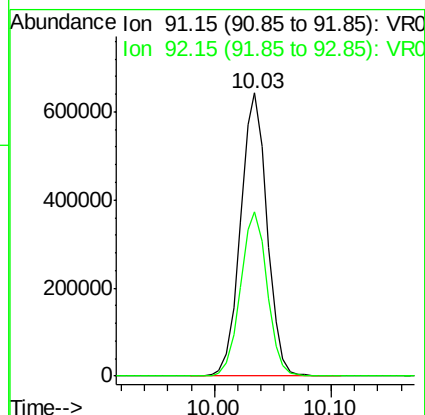
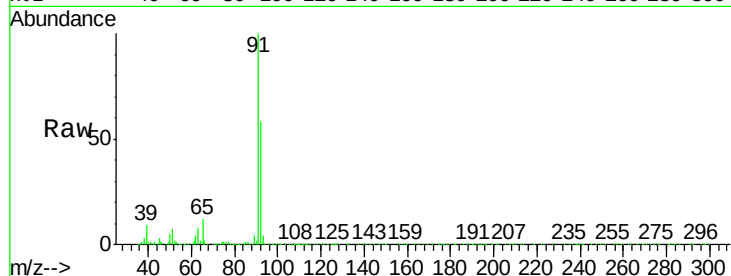
VSTD00591

Tgt Ion: 91 Resp: 1017758

Ion Ratio Lower Upper

91 100

92 57.8 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 4.307 ug/L

RT: 10.26 min Scan# 1468

Delta R.T. -0.01 min

Lab File: VR025375.D

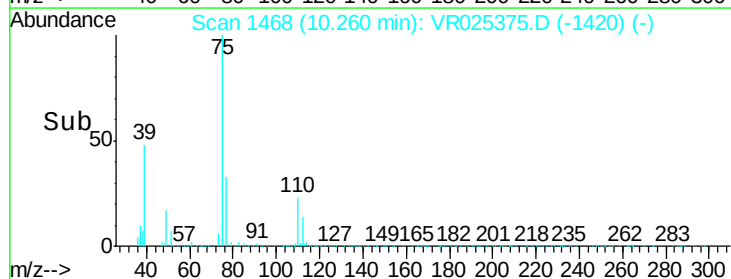
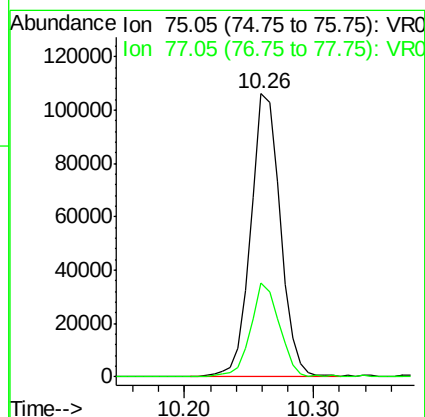
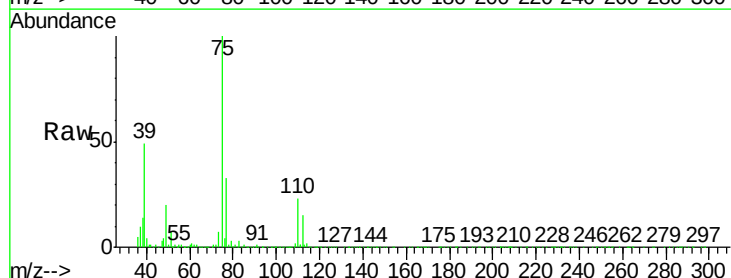
Acq: 20 Jun 2018 10:48

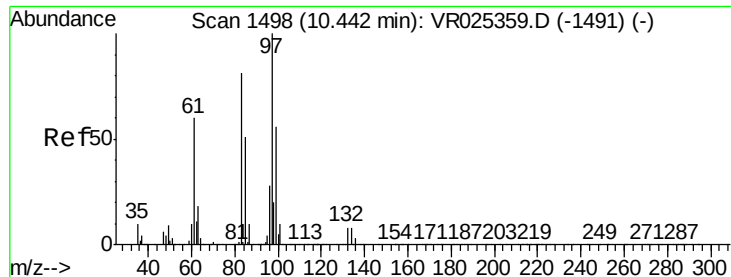
Tgt Ion: 75 Resp: 167374

Ion Ratio Lower Upper

75 100

77 33.2 20.6 38.4





#45

1,1,2-Trichloroethane

Concen: 4.739 ug/L

RT: 10.44 min Scan# 1498

Delta R.T. -0.00 min

Lab File: VR025375.D

Acq: 20 Jun 2018 10:48

Instrument :

MSVOA_R

ClientSampled :

VSTD00591

Tgt Ion: 97 Resp: 105529

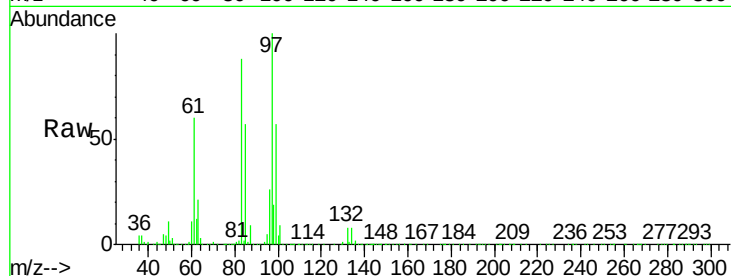
Ion Ratio Lower Upper

97 100

99 57.4 41.9 77.9

83 88.2 64.5 119.9

85 56.9 38.6 71.8

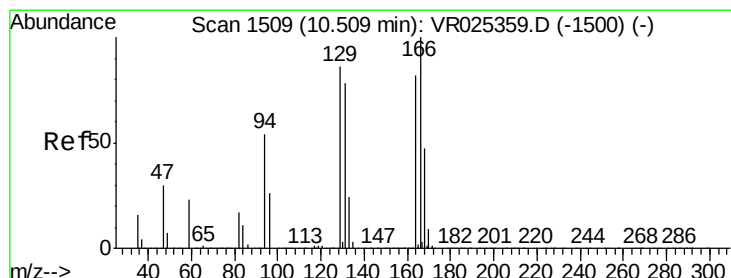
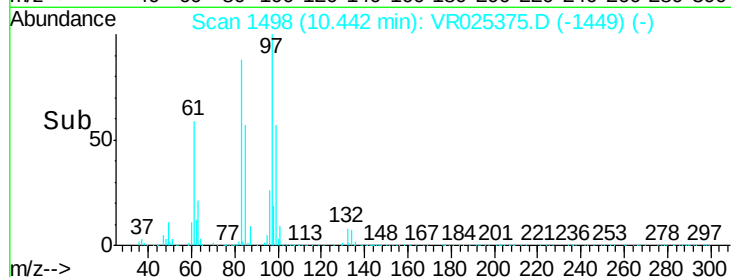
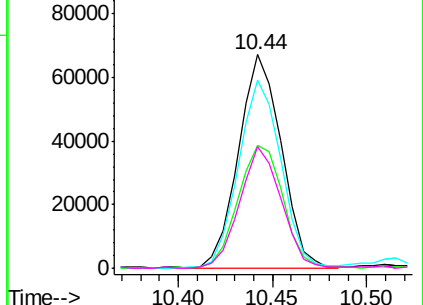


Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0



#47

Tetrachloroethene

Concen: 4.524 ug/L

RT: 10.51 min Scan# 1509

Delta R.T. -0.00 min

Lab File: VR025375.D

Acq: 20 Jun 2018 10:48

Tgt Ion: 164 Resp: 157645

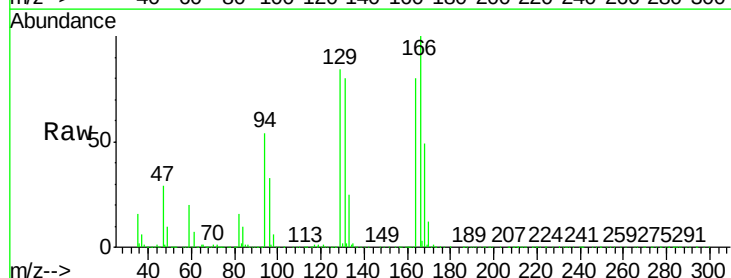
Ion Ratio Lower Upper

164 100

129 104.7 68.1 126.5

131 99.4 68.5 127.1

166 124.3 89.9 166.9

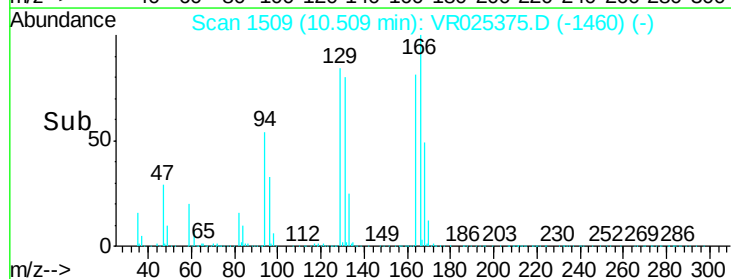
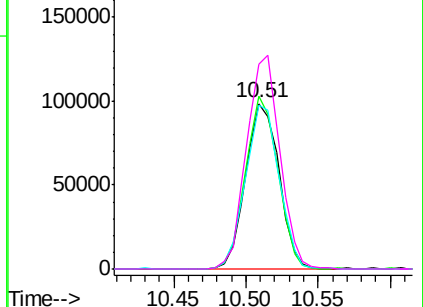


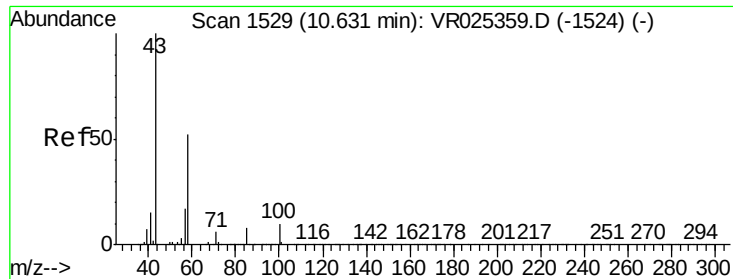
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

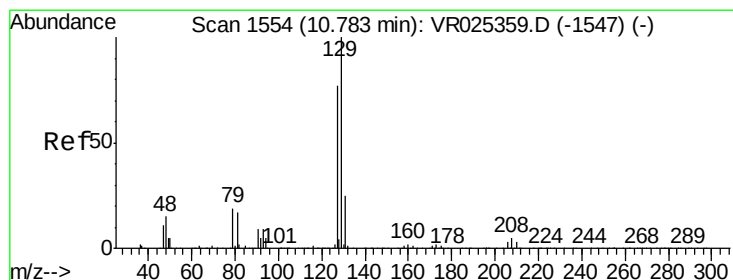
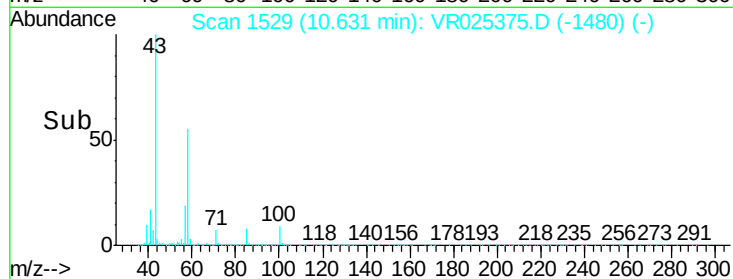
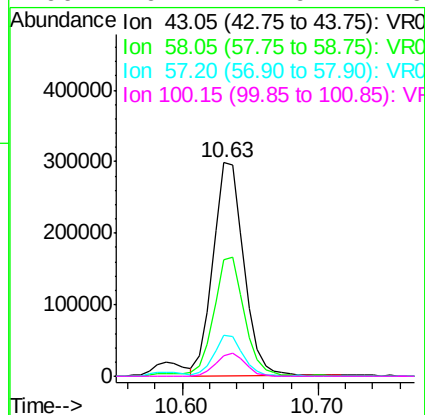
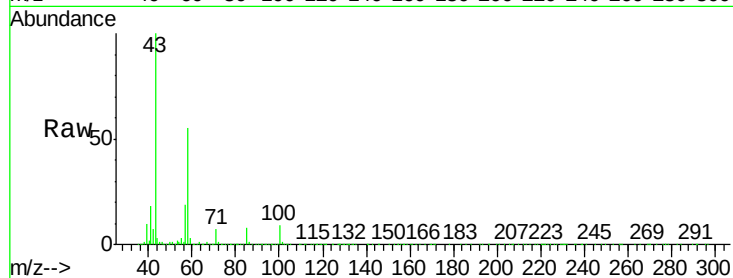




#48
2-Hexanone
Concen: 47.159 ug/L
RT: 10.63 min Scan# 1529
Delta R.T. -0.00 min
Lab File: VR025375.D
Acq: 20 Jun 2018 10:48

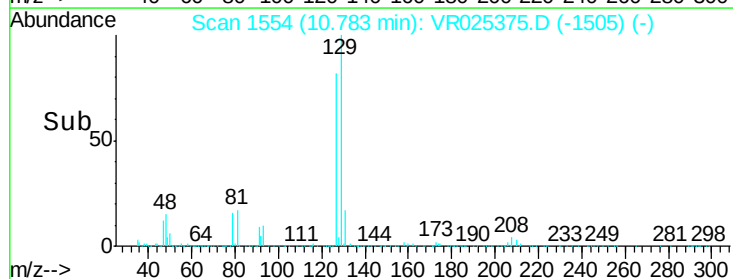
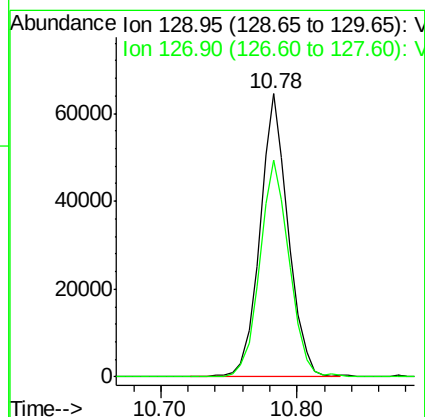
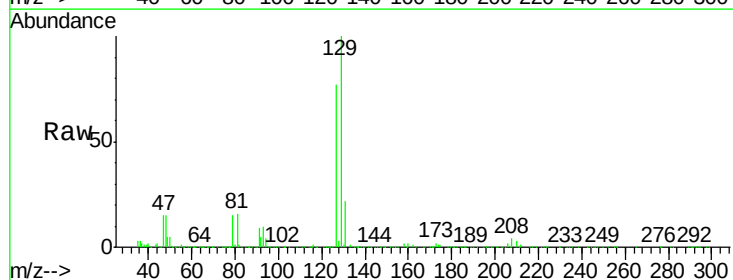
Instrument :
MSVOA_R
ClientSampleId :
VSTD00591

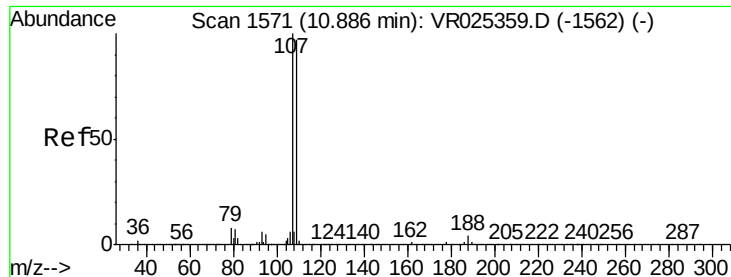
Tgt Ion:	43	Resp:	466620
Ion	Ratio	Lower	Upper
43	100		
58	56.8	43.1	64.7
57	18.2	15.3	22.9
100	10.4	7.9	11.9



#49
Dibromochloromethane
Concen: 4.343 ug/L
RT: 10.78 min Scan# 1554
Delta R.T. -0.00 min
Lab File: VR025375.D
Acq: 20 Jun 2018 10:48

Tgt Ion:	129	Resp:	93118
Ion	Ratio	Lower	Upper
129	100		
127	76.7	55.9	103.7

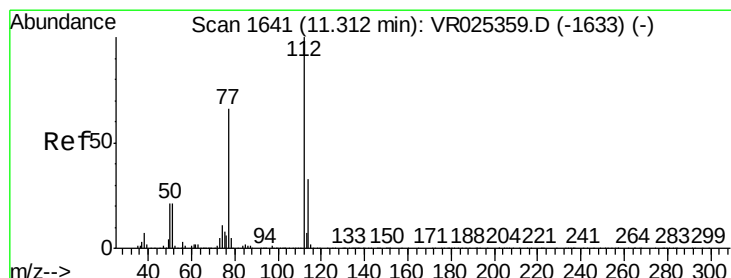
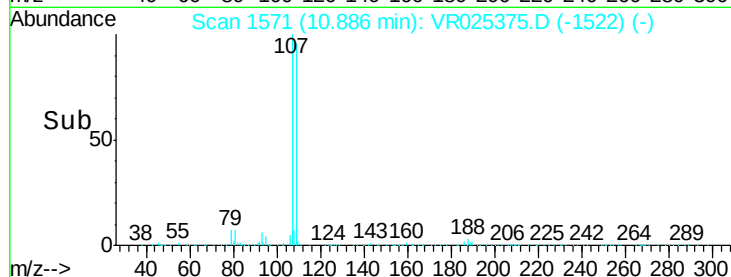
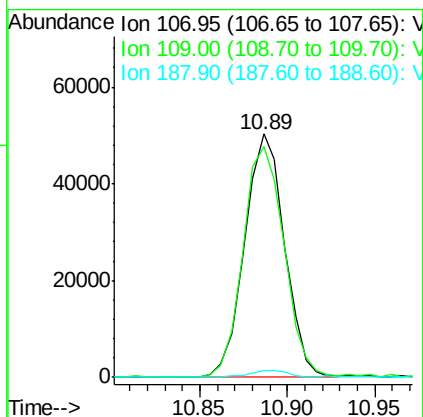
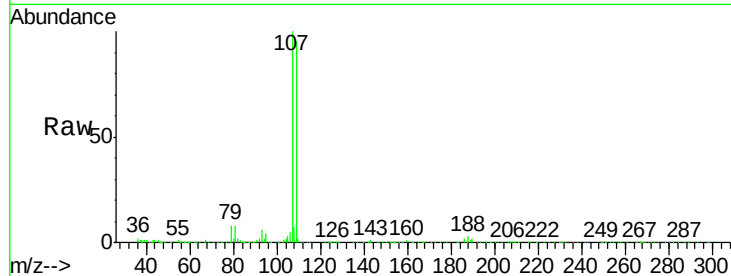




#50
1,2-Dibromoethane
Concen: 4.459 ug/L
RT: 10.89 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VR025375.D
Acq: 20 Jun 2018 10:48

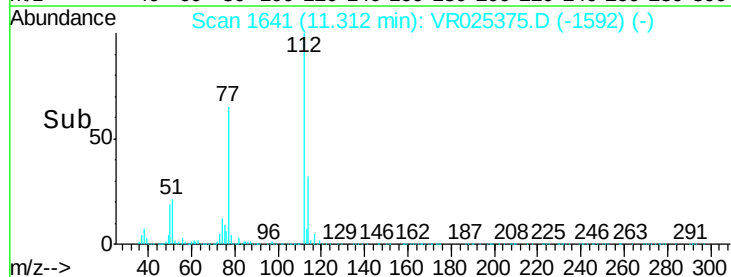
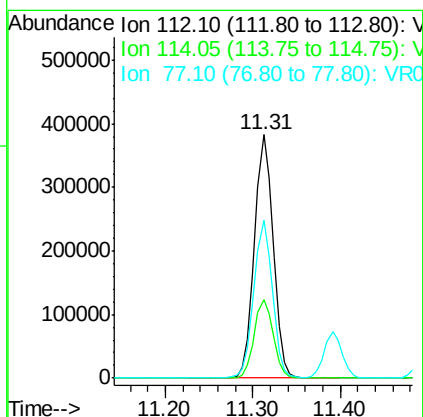
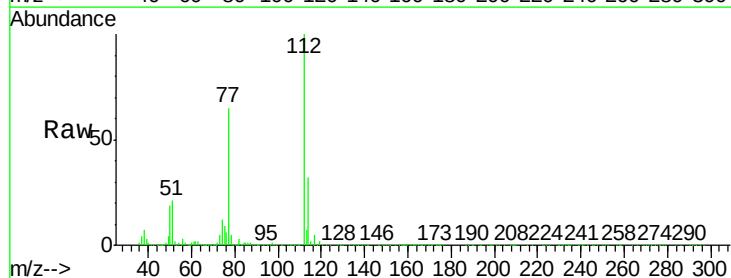
Instrument :
MSVOA_R
ClientSampleId :
VSTD00591

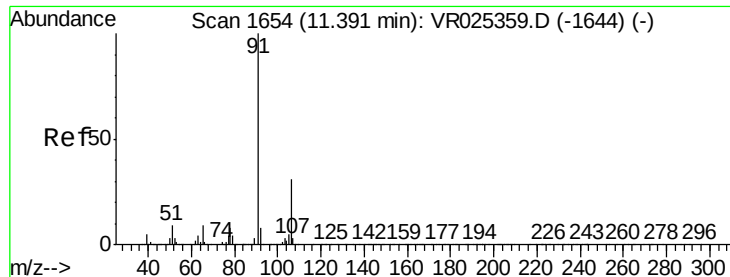
Tgt Ion:107 Resp: 79607
Ion Ratio Lower Upper
107 100
109 94.9 63.1 117.3
188 3.0 1.8 2.8#



#51
Chlorobenzene
Concen: 4.585 ug/L
RT: 11.31 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VR025375.D
Acq: 20 Jun 2018 10:48

Tgt Ion:112 Resp: 567826
Ion Ratio Lower Upper
112 100
114 32.1 21.6 40.0
77 64.8 51.9 77.9





#52

Ethylbenzene

Concen: 4.888 ug/L

RT: 11.39 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VR025375.D

Acq: 20 Jun 2018 10:48

Instrument :

MSVOA_R

ClientSampleId :

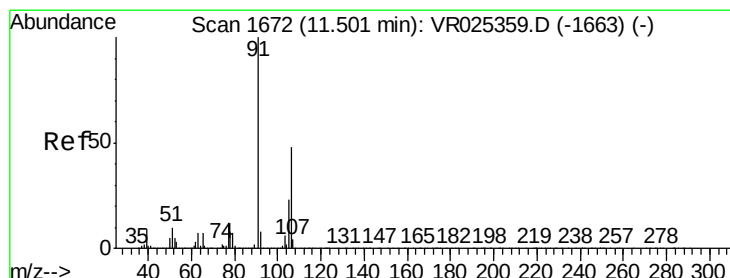
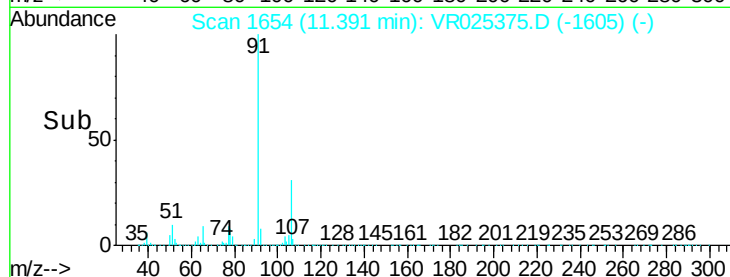
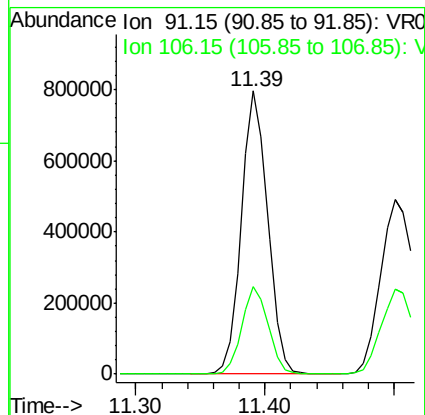
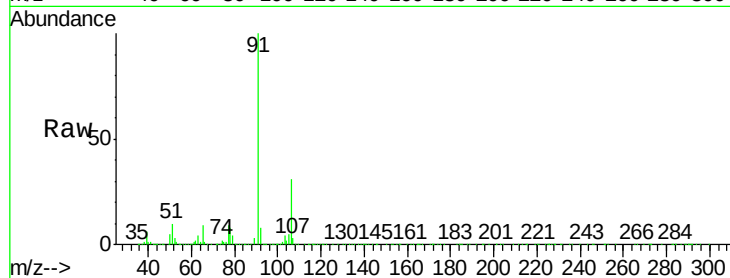
VSTD00591

Tgt Ion: 91 Resp: 1121437

Ion Ratio Lower Upper

91 100

106 30.9 22.5 41.7



#53

m,p-Xylene

Concen: 4.712 ug/L

RT: 11.50 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VR025375.D

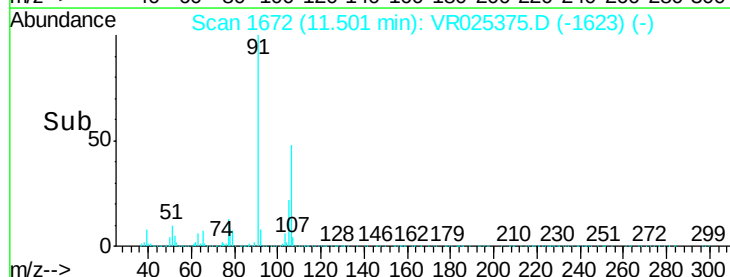
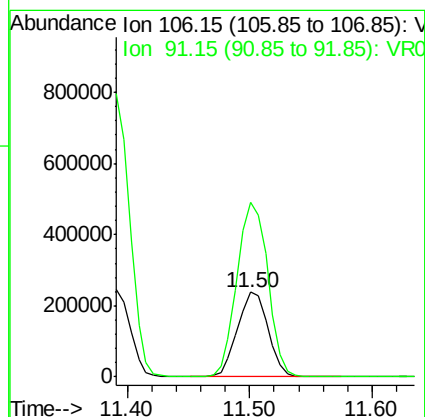
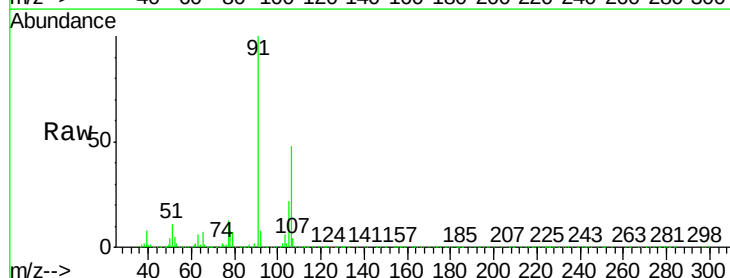
Acq: 20 Jun 2018 10:48

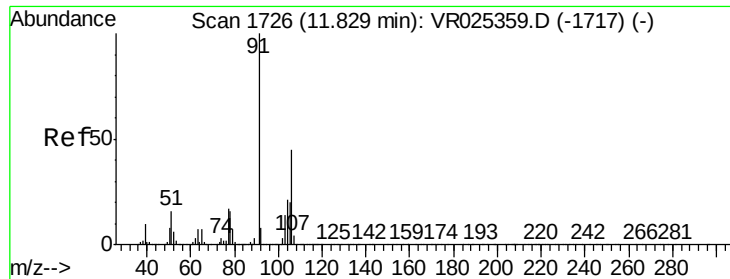
Tgt Ion: 106 Resp: 412688

Ion Ratio Lower Upper

106 100

91 206.7 152.6 283.4

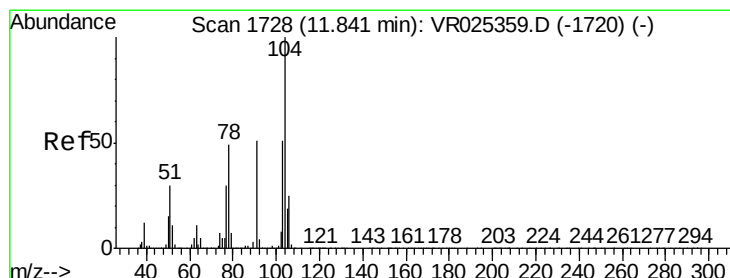
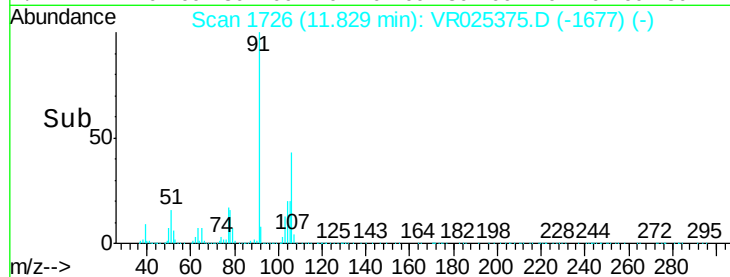
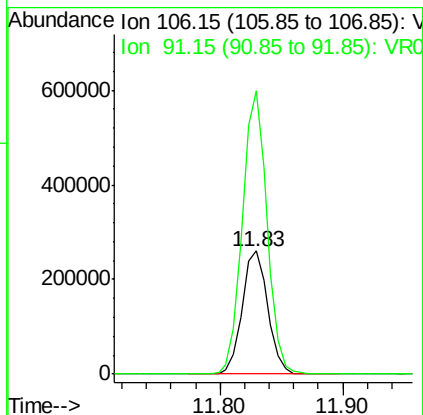
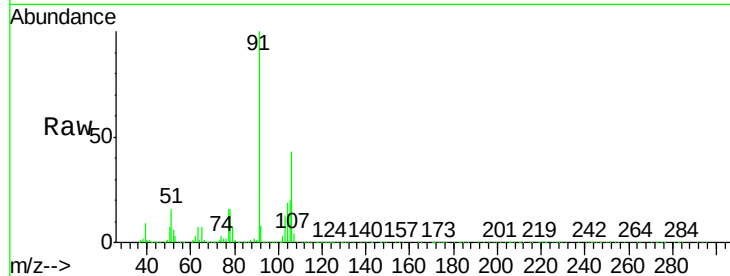




#54
o-Xylene
Concen: 4.810 ug/L
RT: 11.83 min Scan# 1726
Delta R.T. -0.00 min
Lab File: VR025375.D
Acq: 20 Jun 2018 10:48

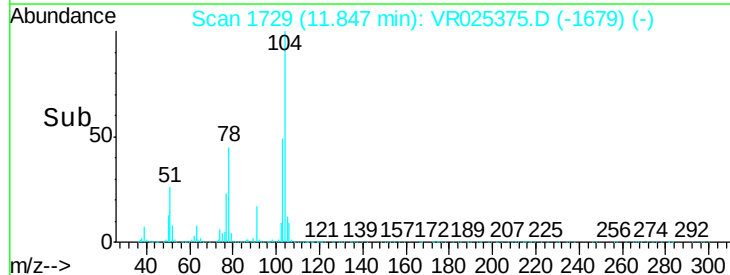
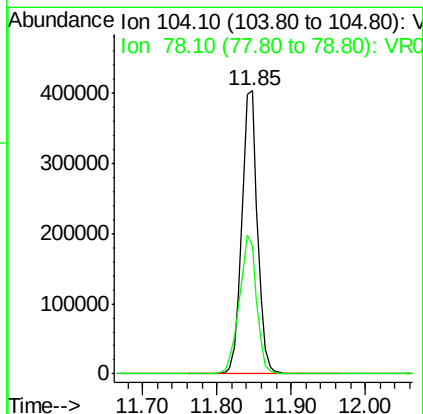
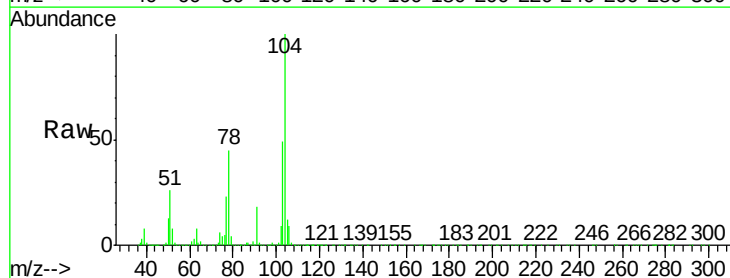
Instrument :
MSVOA_R
ClientSampleId :
VSTD00591

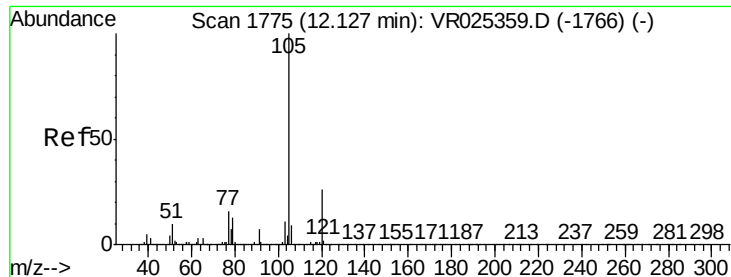
Tgt Ion:106 Resp: 376479
Ion Ratio Lower Upper
106 100
91 230.1 153.7 285.5



#55
Styrene
Concen: 4.980 ug/L
RT: 11.85 min Scan# 1729
Delta R.T. 0.01 min
Lab File: VR025375.D
Acq: 20 Jun 2018 10:48

Tgt Ion:104 Resp: 599038
Ion Ratio Lower Upper
104 100
78 45.3 35.4 65.7





#56

Isopropylbenzene

Concen: 4.982 ug/L

RT: 12.13 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VR025375.D

Acq: 20 Jun 2018 10:48

Instrument :

MSVOA_R

ClientSampleId :

VSTD00591

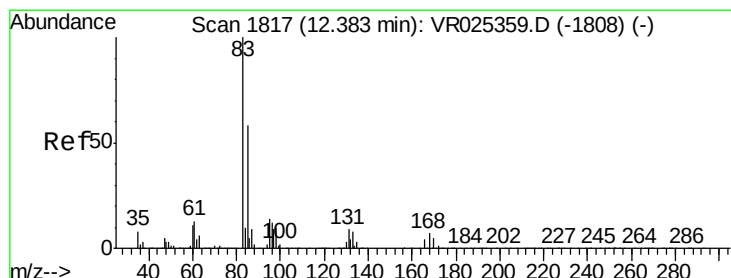
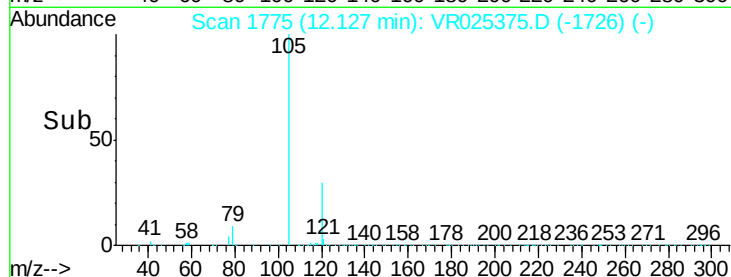
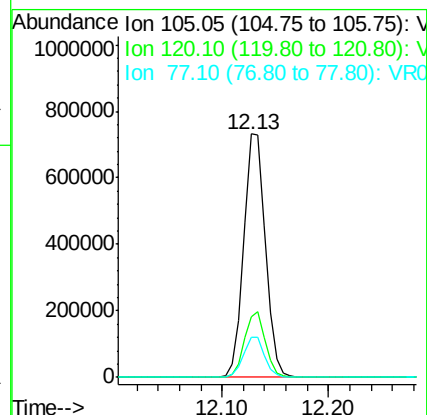
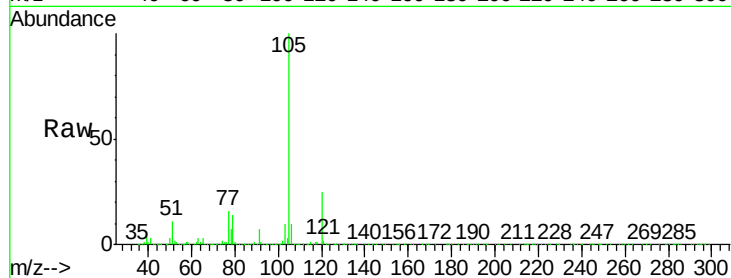
Tgt Ion: 105 Resp: 1048398

Ion Ratio Lower Upper

105 100

120 25.8 20.2 30.4

77 16.3 13.0 19.6



#58

1,1,2,2-Tetrachloroethane

Concen: 4.890 ug/L

RT: 12.38 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VR025375.D

Acq: 20 Jun 2018 10:48

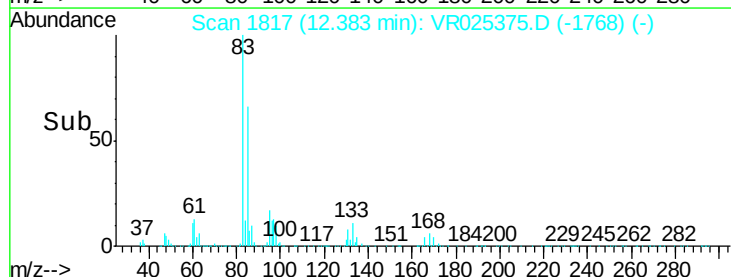
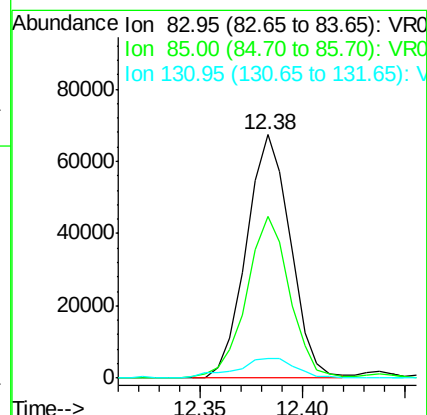
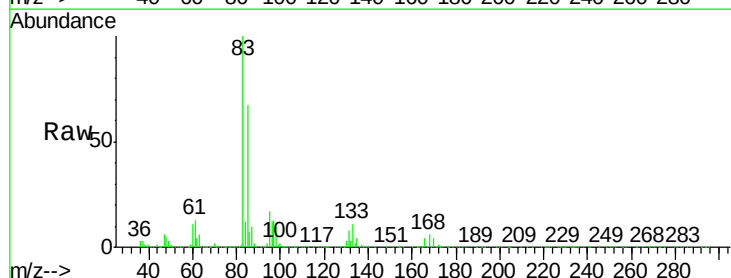
Tgt Ion: 83 Resp: 100839

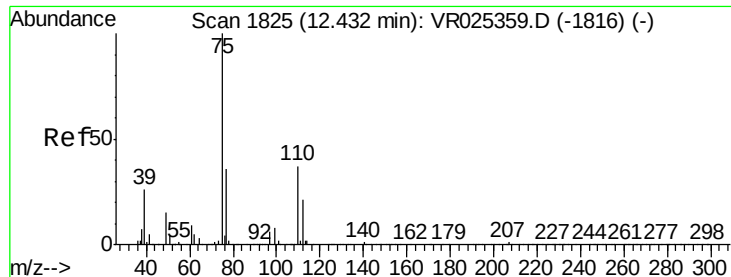
Ion Ratio Lower Upper

83 100

85 66.5 41.8 77.6

131 8.2 6.1 9.1





#59

1,2,3-Trichloropropane

Concen: 4.610 ug/L

RT: 12.44 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VR025375.D

Acq: 20 Jun 2018 10:48

Instrument :

MSVOA_R

ClientSampleId :

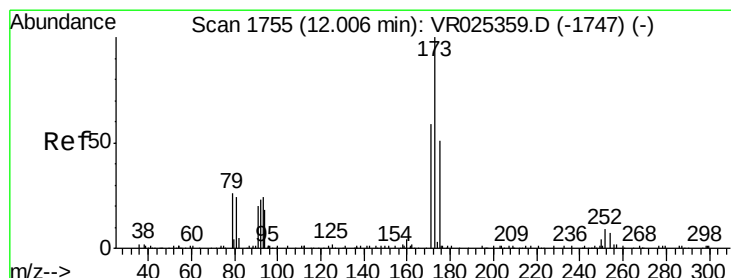
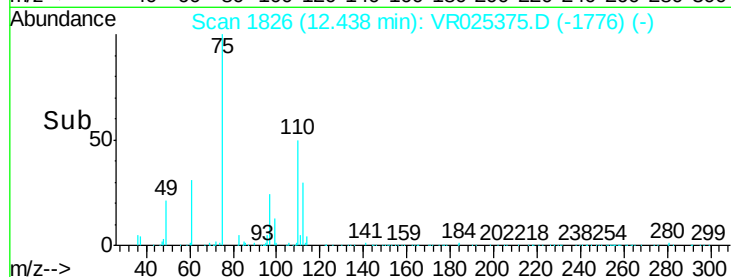
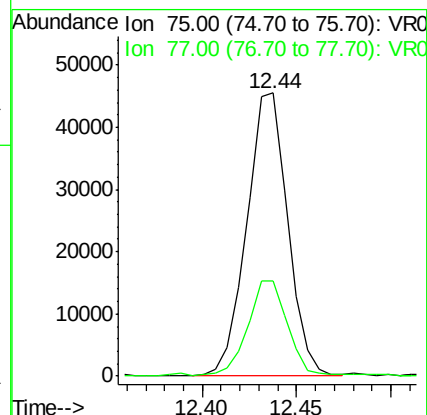
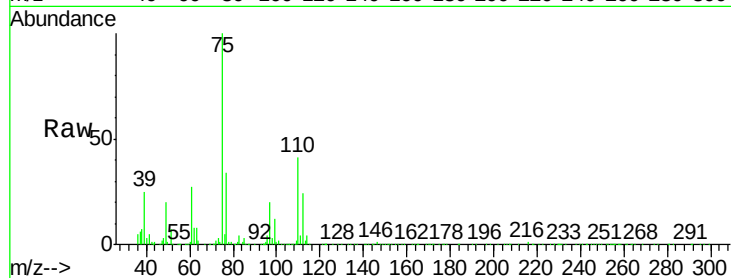
VSTD00591

Tgt Ion: 75 Resp: 68613

Ion Ratio Lower Upper

75 100

77 32.0 27.0 40.4



#61

Bromoform

Concen: 3.631 ug/L

RT: 12.01 min Scan# 1755

Delta R.T. -0.00 min

Lab File: VR025375.D

Acq: 20 Jun 2018 10:48

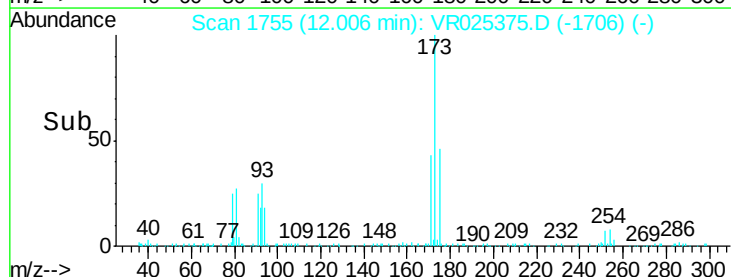
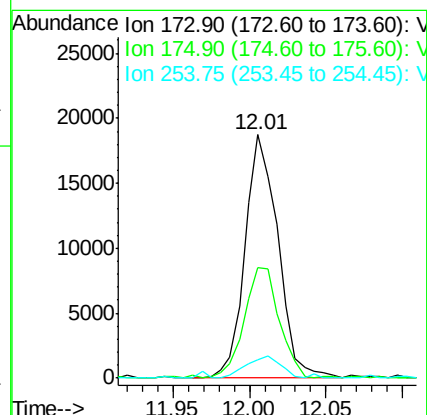
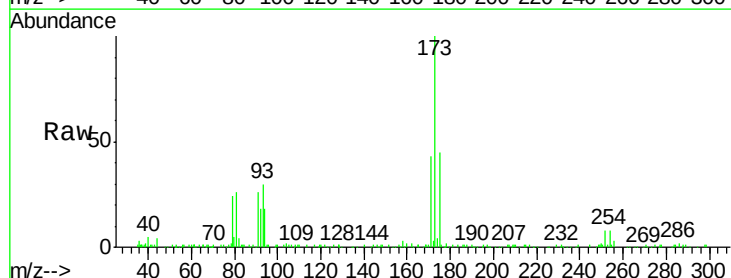
Tgt Ion: 173 Resp: 27990

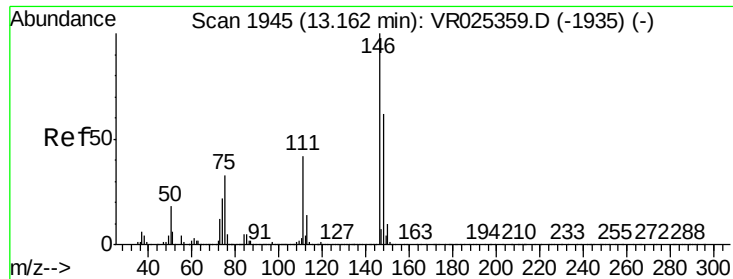
Ion Ratio Lower Upper

173 100

175 49.2 37.5 56.3

254 9.5 8.7 13.1





#62

1,3-Dichlorobenzene

Concen: 4.438 ug/L

RT: 13.16 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VR025375.D

Acq: 20 Jun 2018 10:48

Instrument :

MSVOA_R

ClientSampleId :

VSTD00591

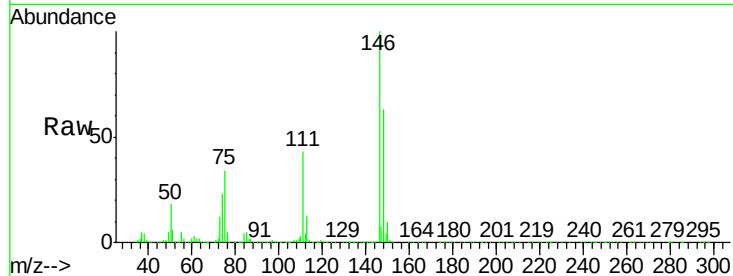
Tgt Ion:146 Resp: 336694

Ion Ratio Lower Upper

146 100

111 43.3 31.0 57.6

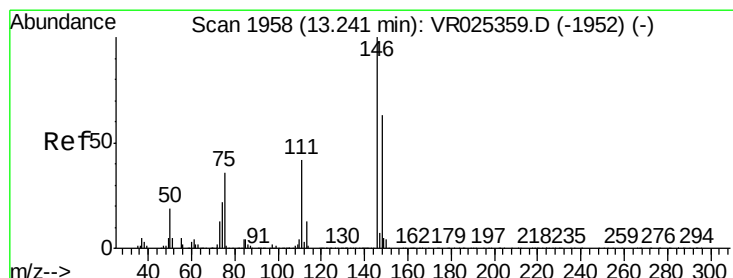
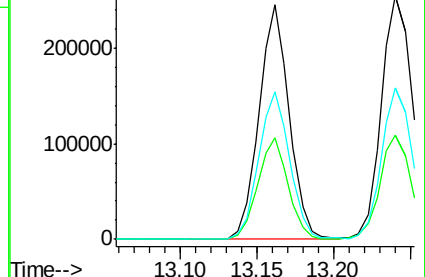
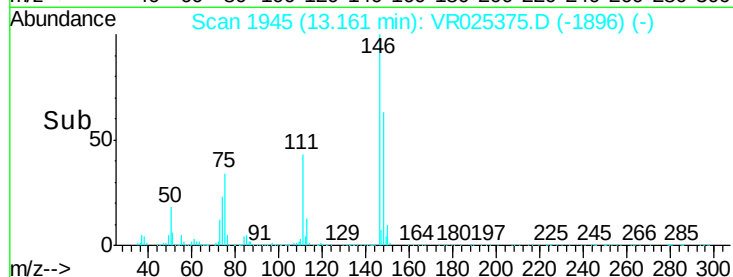
148 62.7 44.8 83.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.752 ug/L

RT: 13.24 min Scan# 1958

Delta R.T. -0.00 min

Lab File: VR025375.D

Acq: 20 Jun 2018 10:48

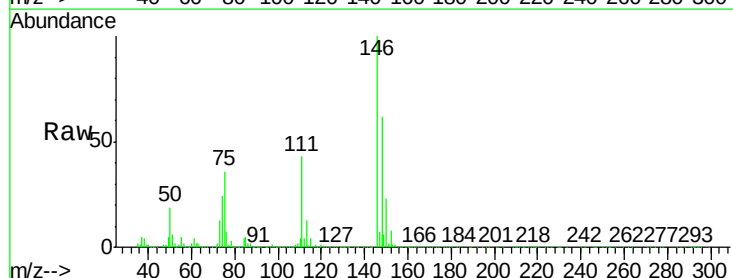
Tgt Ion:146 Resp: 360438

Ion Ratio Lower Upper

146 100

111 42.8 30.5 56.7

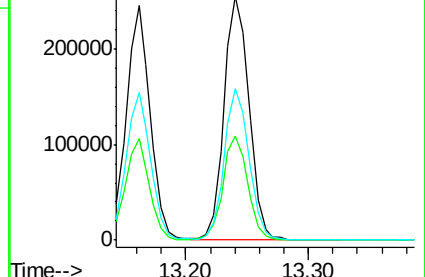
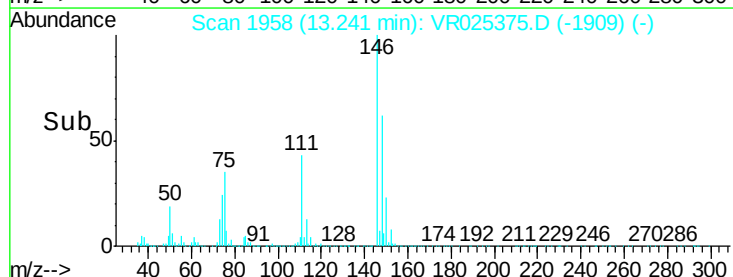
148 62.2 42.8 79.4

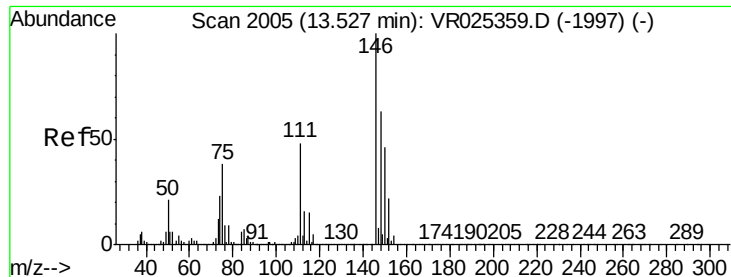


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

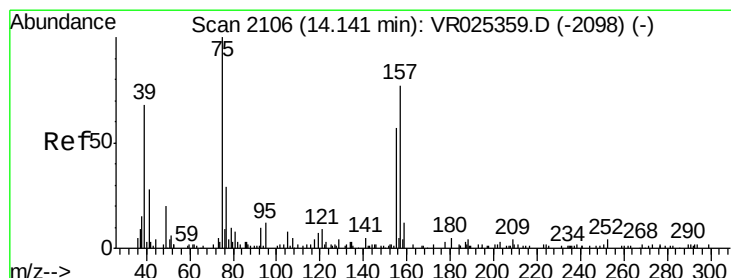
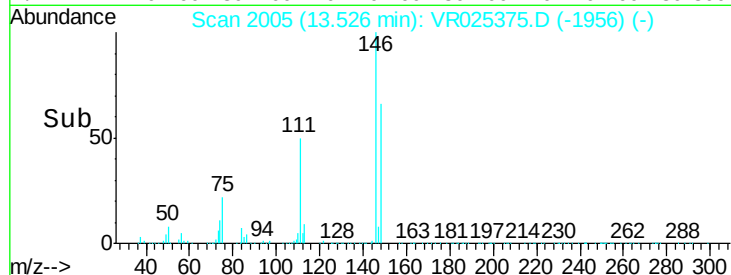
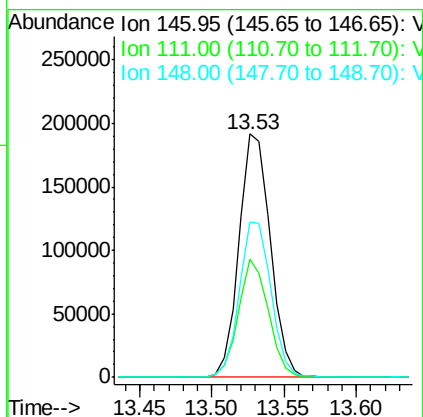
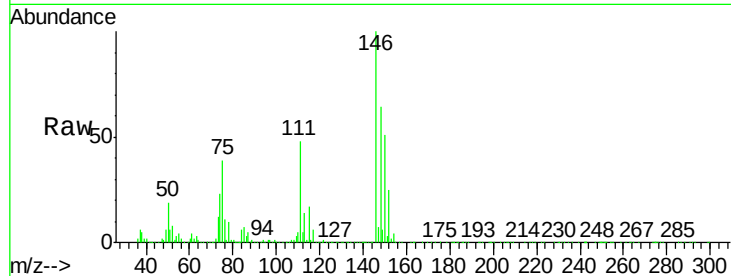




#65
1,2-Dichlorobenzene
Concen: 4.746 ug/L
RT: 13.53 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VR025375.D
Acq: 20 Jun 2018 10:48

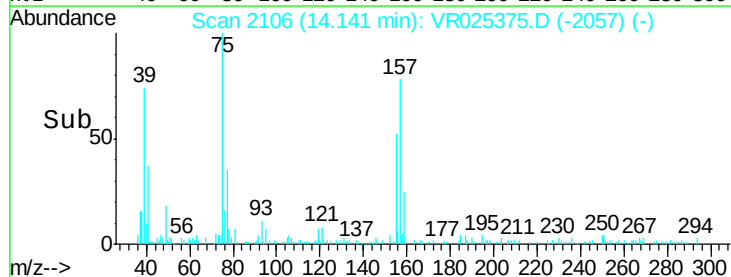
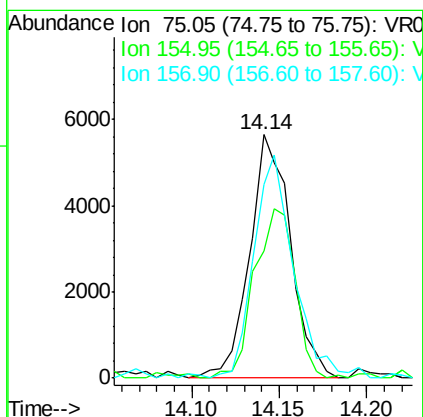
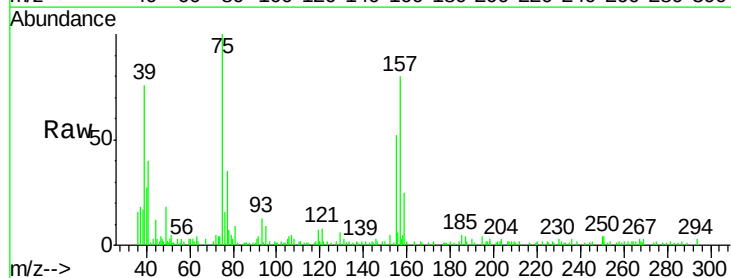
Instrument :
MSVOA_R
ClientSampleId :
VSTD00591

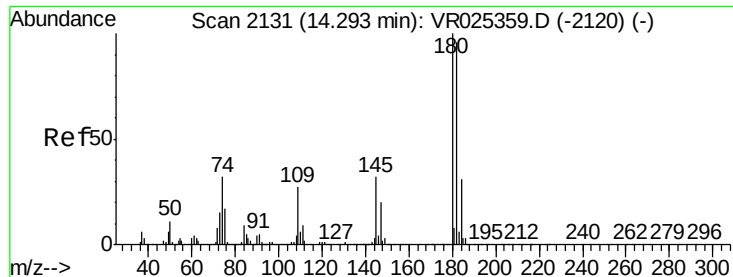
Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.3	35.8	53.8
148	63.9	50.4	75.6



#66
1,2-Dibromo-3-chloropropane
Concen: 3.816 ug/L
RT: 14.14 min Scan# 2106
Delta R.T. -0.00 min
Lab File: VR025375.D
Acq: 20 Jun 2018 10:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	52.0	74.1	111.1#
157	79.5	71.0	106.6

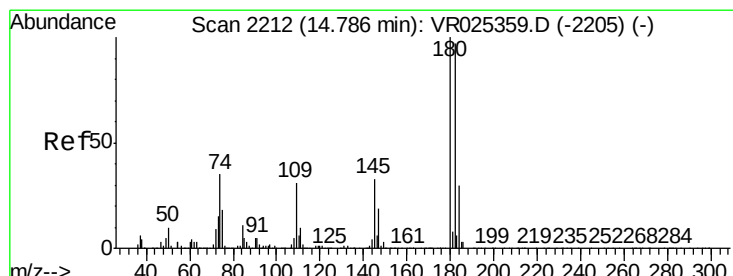
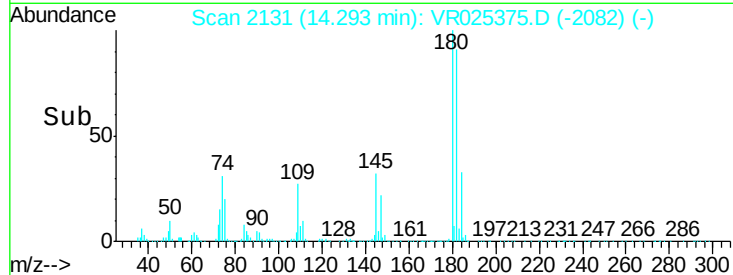
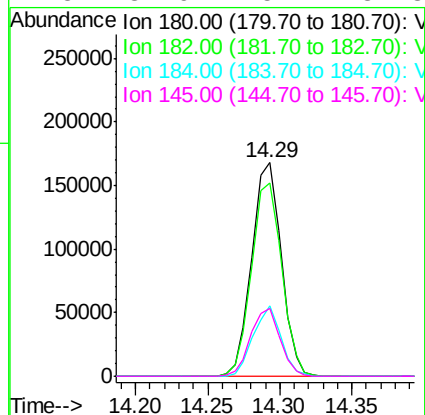
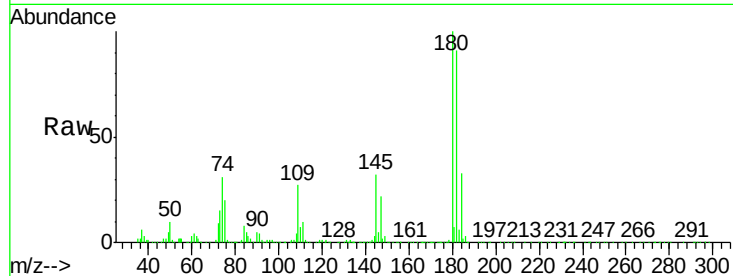




#67
 1,3,5-Trichlorobenzene
 Concen: 4.717 ug/L
 RT: 14.29 min Scan# 2131
 Delta R.T. -0.00 min
 Lab File: VR025375.D
 Acq: 20 Jun 2018 10:48

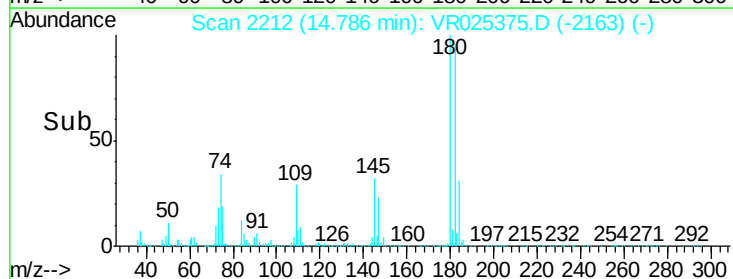
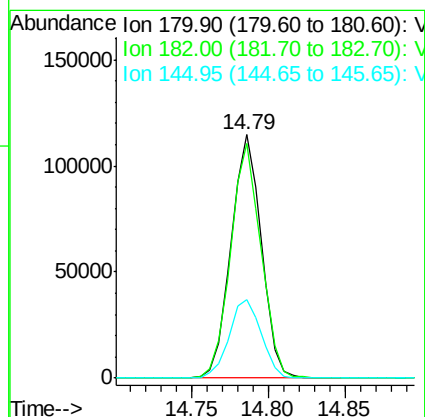
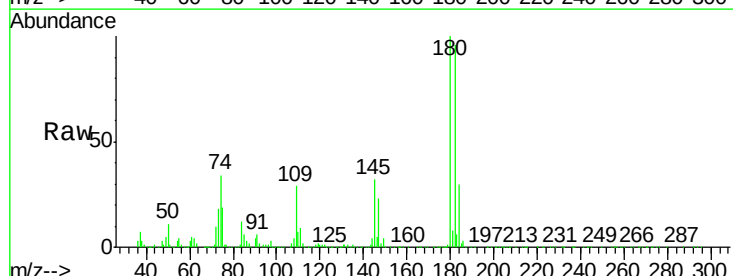
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00591

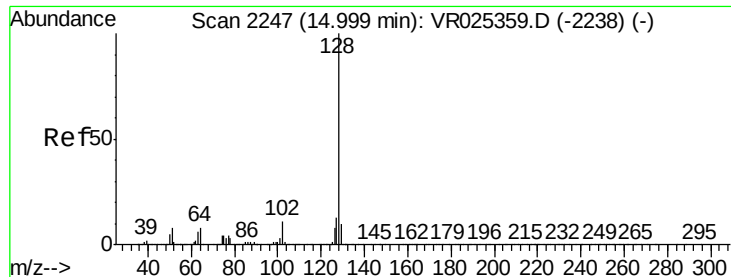
Tgt Ion:	180	Resp:	237006
Ion Ratio	Lower	Upper	
180	100		
182	93.2	76.0	114.0
184	31.2	24.5	36.7
145	31.9	25.2	37.8



#68
 1,2,4-trichlorobenzene
 Concen: 4.479 ug/L
 RT: 14.79 min Scan# 2212
 Delta R.T. -0.00 min
 Lab File: VR025375.D
 Acq: 20 Jun 2018 10:48

Tgt Ion:	180	Resp:	156645
Ion Ratio	Lower	Upper	
180	100		
182	96.7	75.0	112.4
145	34.4	27.3	40.9





#69

Naphthalene

Concen: 4.313 ug/L

RT: 15.00 min Scan# 2248

Delta R.T. 0.01 min

Lab File: VR025375.D

Acq: 20 Jun 2018 10:48

Instrument :

MSVOA_R

ClientSampleId :

VSTD00591

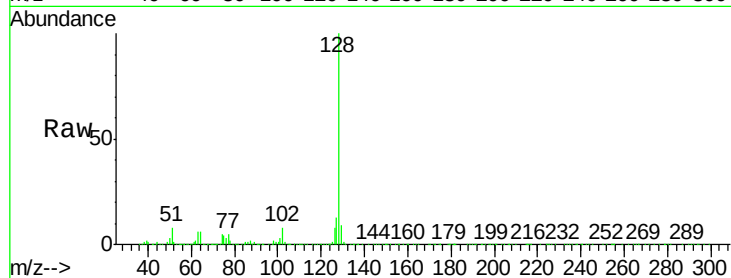
Tgt Ion:128 Resp: 196343

Ion Ratio Lower Upper

128 100

127 13.7 10.2 15.4

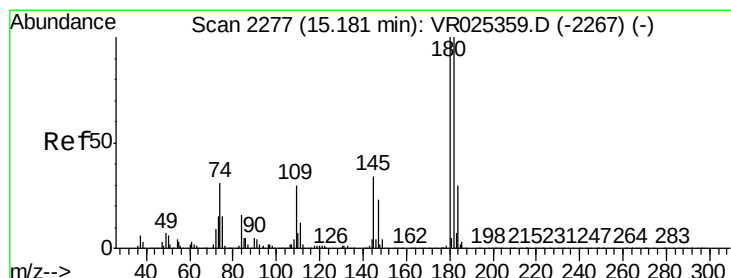
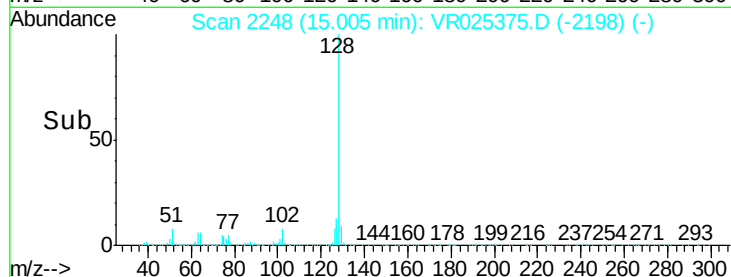
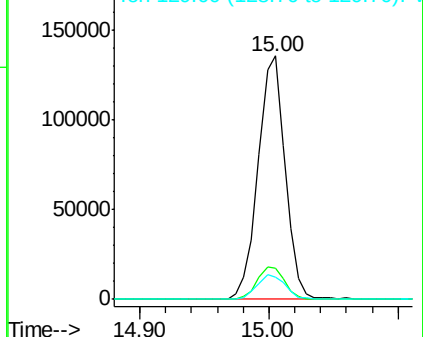
129 10.9 8.6 13.0



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: 4.846 ug/L

RT: 15.18 min Scan# 2277

Delta R.T. -0.00 min

Lab File: VR025375.D

Acq: 20 Jun 2018 10:48

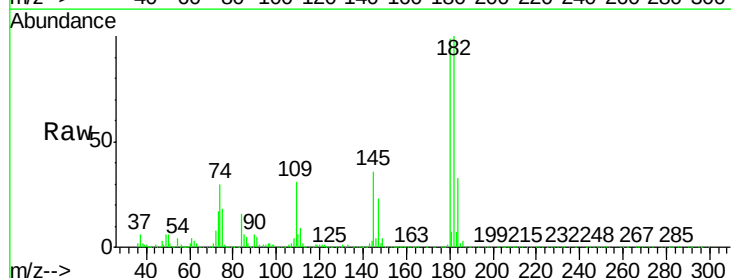
Tgt Ion:180 Resp: 131160

Ion Ratio Lower Upper

180 100

182 95.1 75.2 112.8

145 34.2 28.2 42.2



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

