

Data File : VR025682.D
Acq On : 7 Sep 2018 10:06
Operator : SY/MD
Sample : VSTD00192
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00192

Quant Time: Sep 07 11:35:29 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR090718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 07 11:33:39 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	777408	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	617610	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	226830	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	32320	0.64	ug/L	-0.01
7) Chloroethane-d5	2.63	69	29081	0.67	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.64	63	94442	0.76	ug/L	0.00
20) 2-Butanone-d5	6.59	46	31762	8.24	ug/L	0.00
24) Chloroform-d	7.20	84	75828	0.85	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.89	65	23284	0.75	ug/L	0.00
32) Benzene-d6	7.85	84	164783	0.82	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.90	67	43520	0.85	ug/L	0.00
41) Toluene-d8	9.97	98	150484	0.82	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	10800	0.89	ug/L	0.00
46) 2-Hexanone-d5	10.60	63	25535	6.42	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	18520	0.78	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.52	152	30902	0.85	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	28776	0.668	ug/L #	88
3) Chloromethane	2.00	50	49078	0.770	ug/L	93
5) Vinyl chloride	2.16	62	48418	0.776	ug/L	92
6) Bromomethane	2.52	94	35053	0.826	ug/L	87
8) Chloroethane	2.66	64	28766	0.750	ug/L	100
9) Trichlorofluoromethane	2.93	101	36327	0.401	ug/L #	47
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	48328	0.876	ug/L #	77
12) 1,1-Dichloroethene	3.64	96	53552	0.877	ug/L	86
13) Acetone	3.71	43	26718	11.122	ug/L	97
14) Carbon disulfide	3.95	76	116425	0.733	ug/L #	92
15) Methyl Acetate	4.20	43	9811	1.080	ug/L #	71
16) Methylene chloride	4.40	84	39639	0.723	ug/L	87
17) Methyl tert-butyl Ether	4.89	73	60672	0.969	ug/L	99
18) trans-1,2-Dichloroethene	4.87	96	59365	0.921	ug/L	96
19) 1,1-Dichloroethane	5.69	63	94786	0.951	ug/L	98
21) 2-Butanone	6.69	43	44477	9.395	ug/L	91
22) cis-1,2-Dichloroethene	6.67	96	50108	0.904	ug/L #	94
23) Bromochloromethane	7.04	128	18639	1.097	ug/L	82
25) Chloroform	7.23	83	87820	1.014	ug/L	95
27) 1,2-Dichloroethane	7.99	62	35143	1.085	ug/L	98
29) 1,1,1-Trichloroethane	7.43	97	62757	1.044	ug/L	97
30) Cyclohexane	7.52	56	59729	0.773	ug/L	92
31) Carbon tetrachloride	7.63	117	60810	1.153	ug/L	96
33) Benzene	7.91	78	218416	0.968	ug/L	100
34) Trichloroethene	8.71	95	55234	1.069	ug/L	92
35) Methylcyclohexane	8.95	83	68562	0.816	ug/L	95
37) 1,2-Dichloropropane	8.99	63	49143	0.993	ug/L	98
38) Bromodichloromethane	9.28	83	45192	1.046	ug/L	94
39) cis-1,3-Dichloropropene	9.72	75	44099	0.869	ug/L	95
40) 4-Methyl-2-pentanone	9.87	43	107553	8.968	ug/L	98

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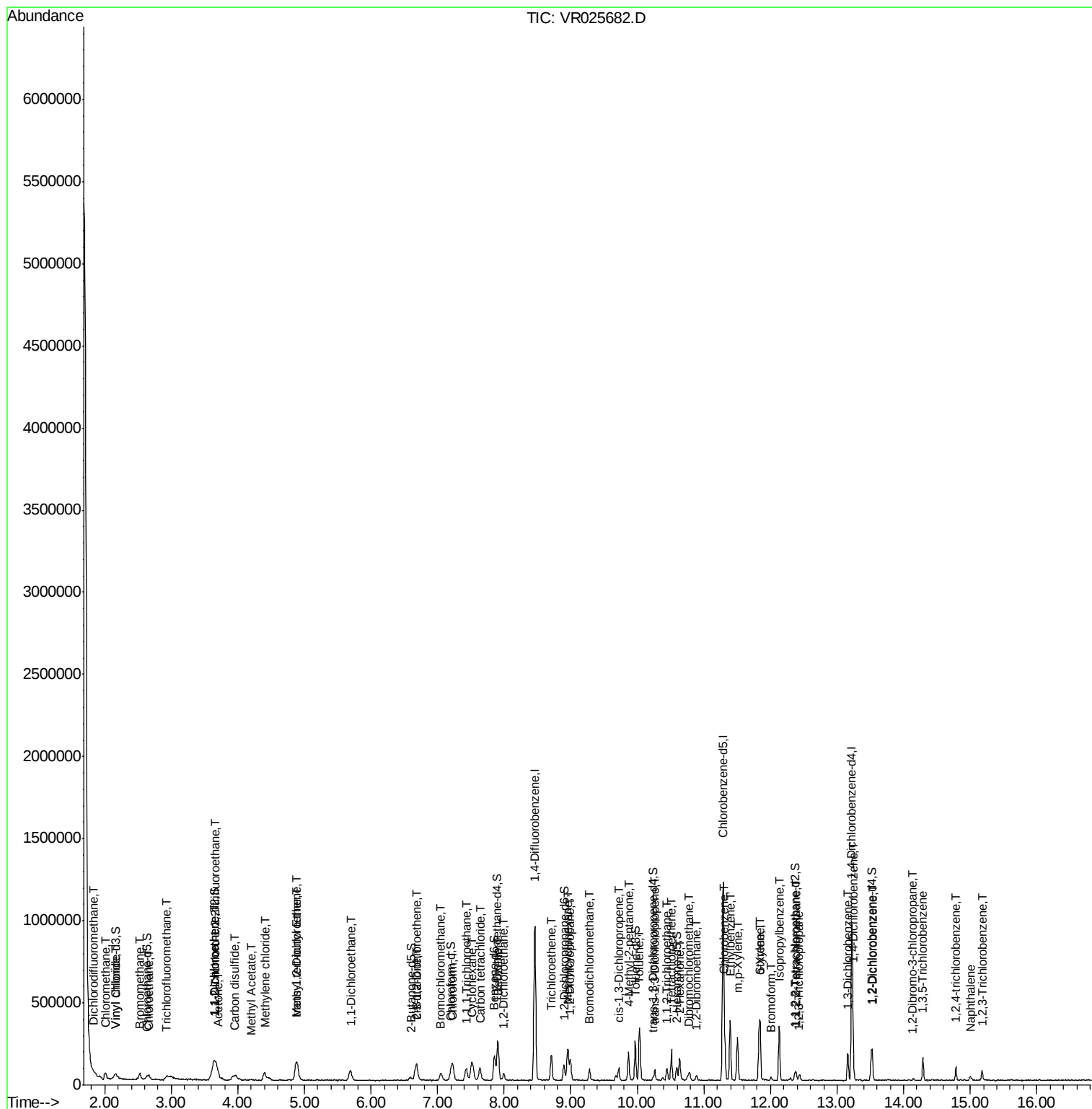
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.03	91	214974	0.971	ug/L	98
44) trans-1,3-Dichloropropene	10.26	75	31294	0.874	ug/L	100
45) 1,1,2-Trichloroethane	10.45	97	22692	1.039	ug/L	94
47) Tetrachloroethene	10.51	164	43309	1.096	ug/L	91
48) 2-Hexanone	10.63	43	78310	9.367	ug/L	96
49) Dibromochloromethane	10.79	129	22001	0.935	ug/L	86
50) 1,2-Dibromoethane	10.89	107	19644	1.135	ug/L #	82
51) Chlorobenzene	11.32	112	133952	0.972	ug/L	95
52) Ethylbenzene	11.39	91	223085	0.944	ug/L	89
53) m,p-Xylene	11.50	106	88940	0.940	ug/L	91
54) o-Xylene	11.83	106	72069	0.855	ug/L	89
55) Styrene	11.84	104	126170	0.926	ug/L	95
56) Isopropylbenzene	12.13	105	181194	0.848	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.38	83	21850	0.968	ug/L	96
59) 1,2,3-Trichloropropane	12.43	75	15691	1.022	ug/L	91
61) Bromoform	12.01	173	9846	1.080	ug/L #	96
62) 1,3-Dichlorobenzene	13.16	146	66142	0.943	ug/L	94
63) 1,4-Dichlorobenzene	13.24	146	82079	1.054	ug/L	93
65) 1,2-Dichlorobenzene	13.53	146	61248	1.014	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.14	75	1977	1.210	ug/L #	68
67) 1,3,5-Trichlorobenzene	14.29	180	40652	1.026	ug/L	96
68) 1,2,4-trichlorobenzene	14.78	180	23531	0.957	ug/L	98
69) Naphthalene	15.00	128	20138	0.663	ug/L	96
70) 1,2,3-Trichlorobenzene	15.18	180	16632	0.870	ug/L #	93

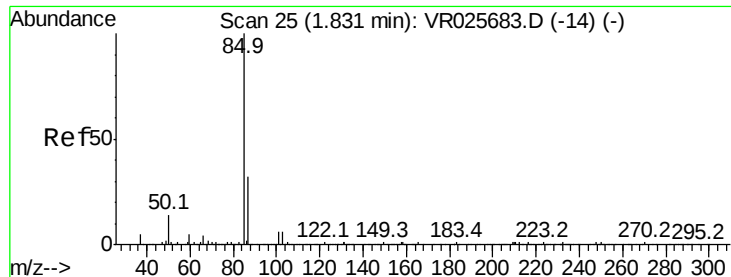
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.668 ug/L

RT: 1.84 min Scan# 26

Delta R.T. 0.01 min

Lab File: VR025682.D

Acq: 7 Sep 2018 10:06

Instrument :

MSVOA_R

ClientSampleId :

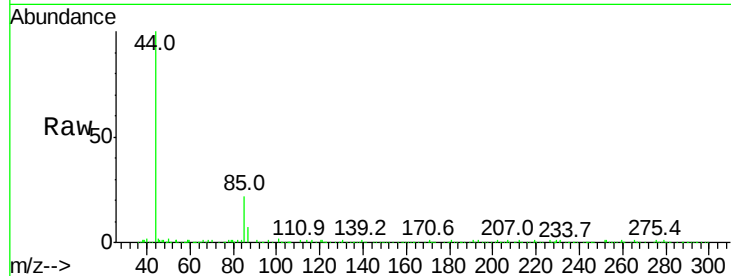
VSTD00192

Tgt Ion: 85 Resp: 28776

Ion Ratio Lower Upper

85 100

87 38.5 25.3 37.9#



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0

1.84

10000

8000

6000

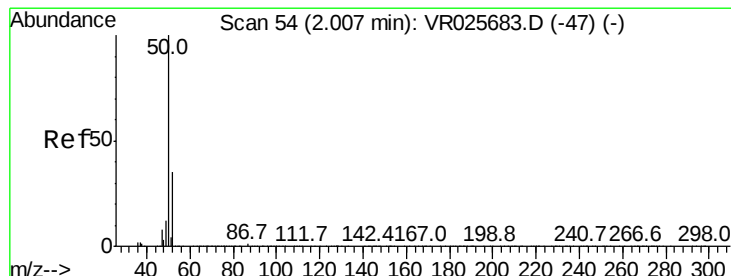
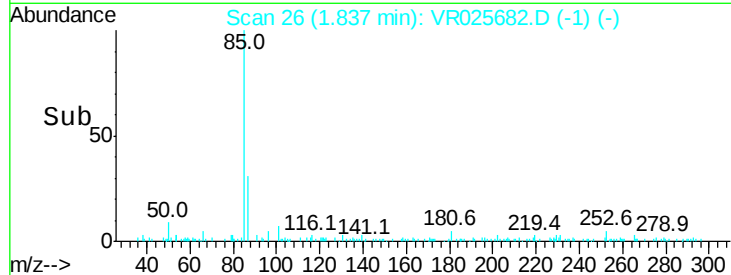
4000

2000

0

Time-->

1.75 1.80 1.85 1.90



#3

Chloromethane

Concen: 0.770 ug/L

RT: 2.00 min Scan# 53

Delta R.T. -0.01 min

Lab File: VR025682.D

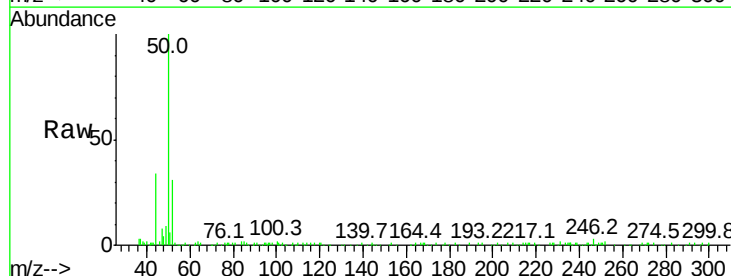
Acq: 7 Sep 2018 10:06

Tgt Ion: 50 Resp: 49078

Ion Ratio Lower Upper

50 100

52 31.0 24.6 45.8



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0

2.00

25000

20000

15000

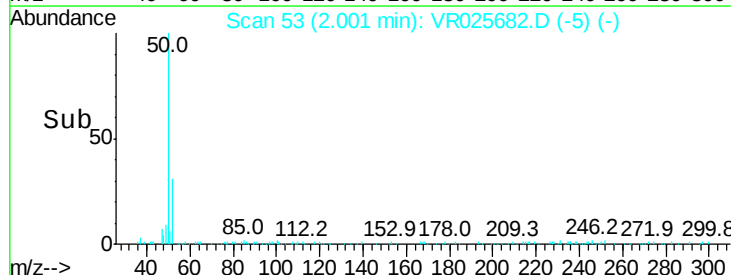
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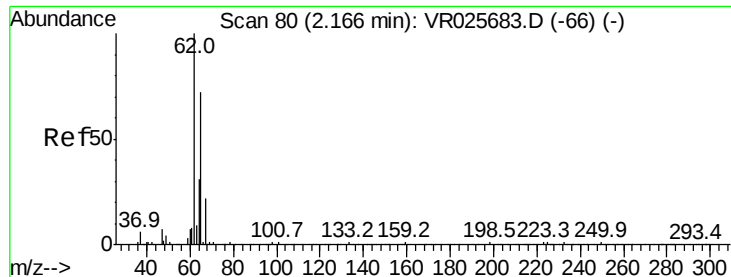
5000

0

Time-->

1.95 2.00 2.05 2.10





#5

Vinyl chloride

Concen: 0.776 ug/L

RT: 2.16 min Scan# 79

Delta R.T. -0.01 min

Lab File: VR025682.D

Acq: 7 Sep 2018 10:06

Instrument :

MSVOA_R

ClientSampleId :

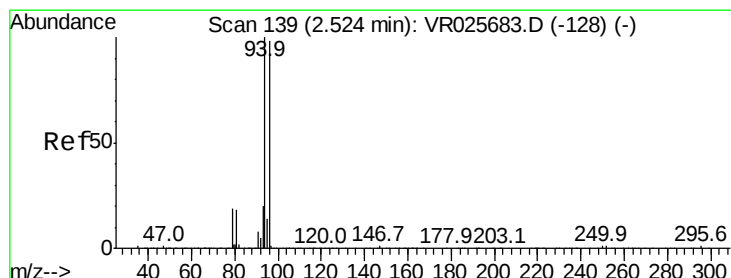
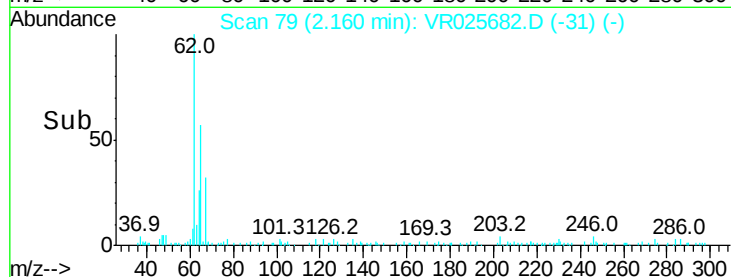
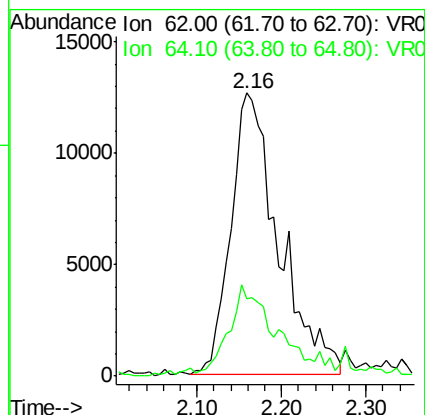
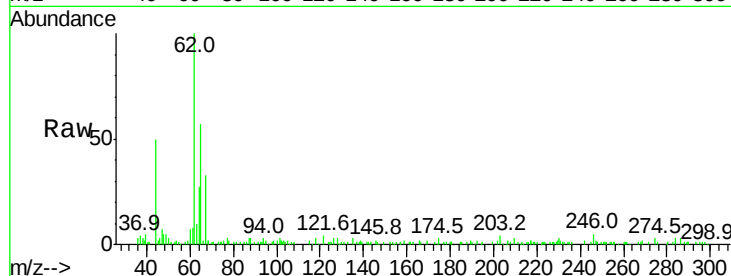
VSTD00192

Tgt Ion: 62 Resp: 48418

Ion Ratio Lower Upper

62 100

64 27.1 22.0 40.8



#6

Bromomethane

Concen: 0.826 ug/L

RT: 2.52 min Scan# 139

Delta R.T. 0.00 min

Lab File: VR025682.D

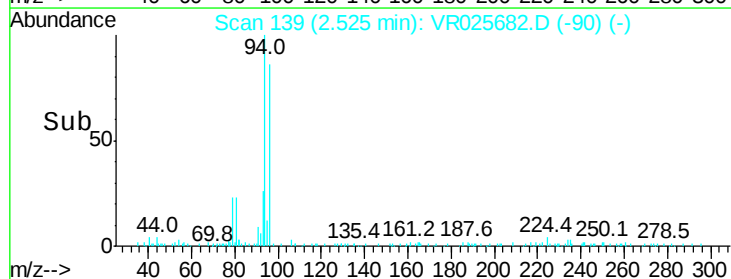
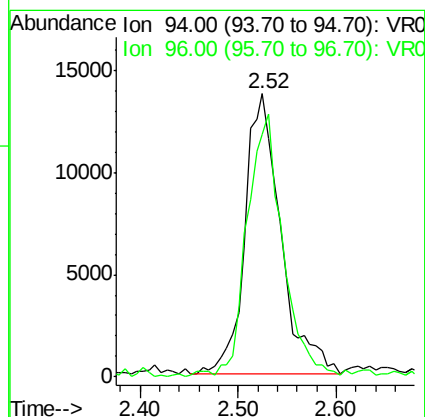
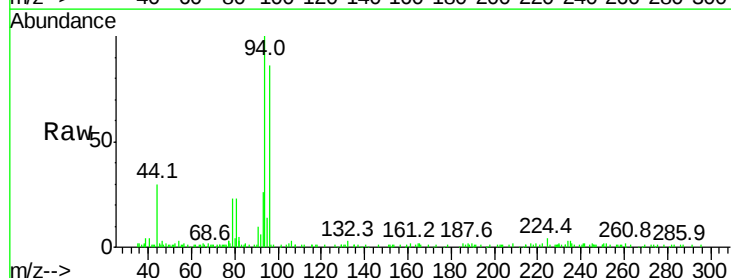
Acq: 7 Sep 2018 10:06

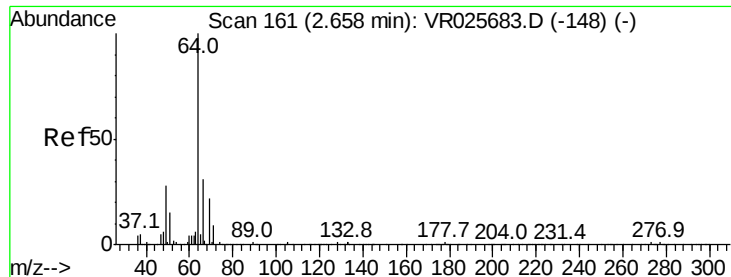
Tgt Ion: 94 Resp: 35053

Ion Ratio Lower Upper

94 100

96 85.6 68.9 127.9





#8

Chloroethane

Concen: 0.750 ug/L

RT: 2.66 min Scan# 162

Delta R.T. 0.01 min

Lab File: VR025682.D

Acq: 7 Sep 2018 10:06

Instrument :

MSVOA_R

ClientSampleId :

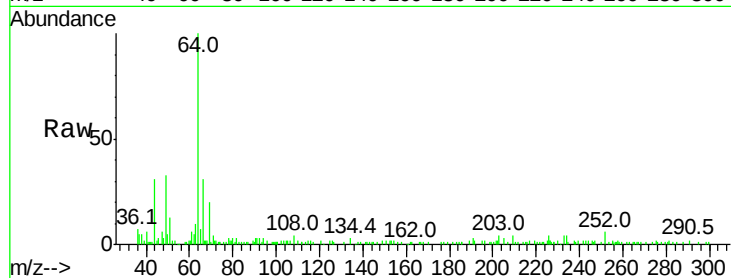
VSTD00192

Tgt Ion: 64 Resp: 28766

Ion Ratio Lower Upper

64 100

66 31.1 21.8 40.6



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0

2.66

12000

10000

8000

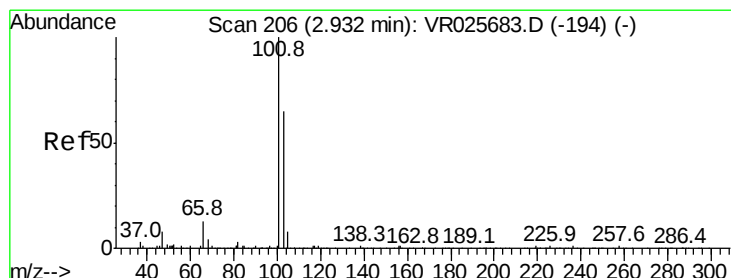
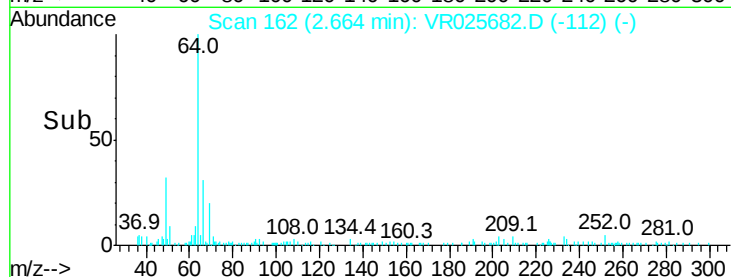
6000

4000

2000

0

Time-->



#9

Trichlorofluoromethane

Concen: 0.401 ug/L

RT: 2.93 min Scan# 206

Delta R.T. 0.00 min

Lab File: VR025682.D

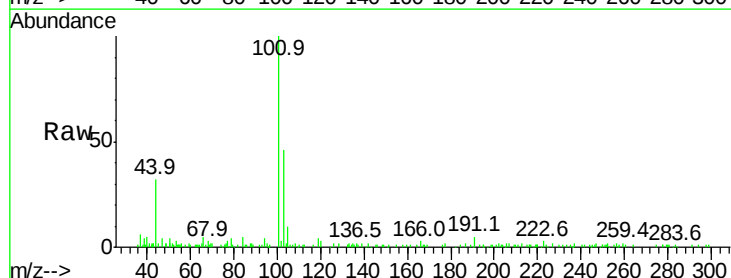
Acq: 7 Sep 2018 10:06

Tgt Ion: 101 Resp: 36327

Ion Ratio Lower Upper

101 100

103 39.3 13.2 19.8#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

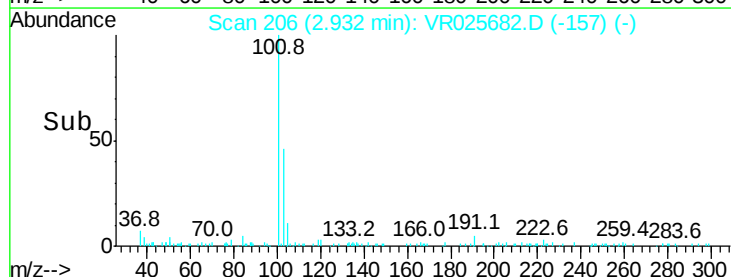
15000

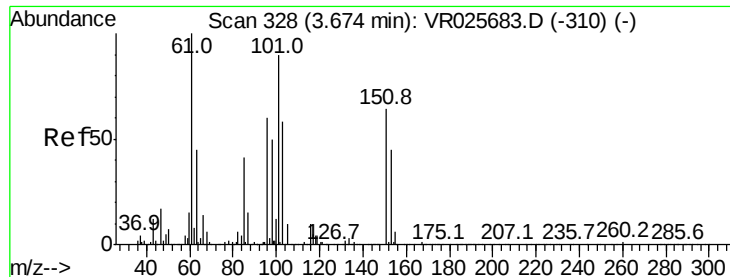
10000

5000

0

Time-->





#10

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

Concen: 0.876 ug/L

RT: 3.67 min Scan# 328

Delta R.T. 0.00 min

Lab File: VR025682.D

Acq: 7 Sep 2018 10:06

Instrument :

MSVOA_R

ClientSampleId :

VSTD00192

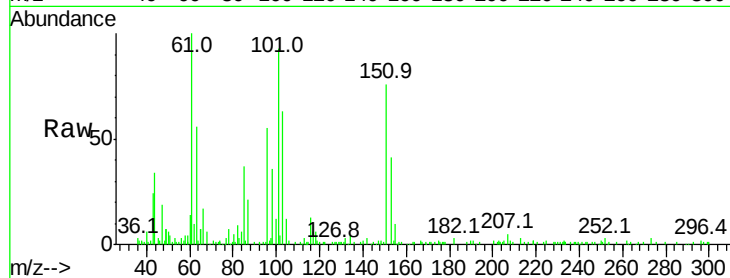
Tgt Ion:101 Resp: 48328

Ion Ratio Lower Upper

101 100

85 16.7 38.1 57.1#

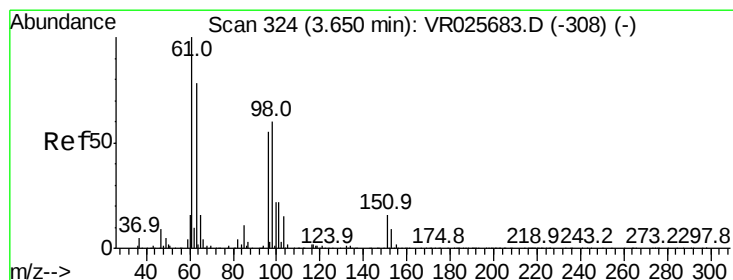
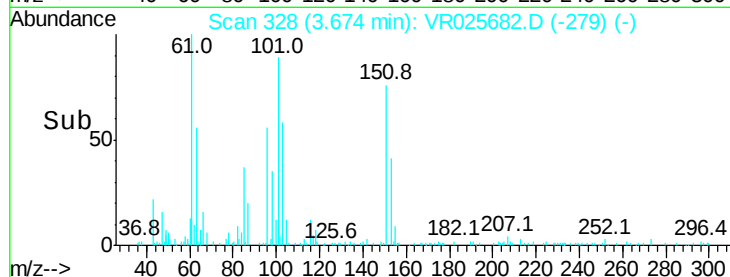
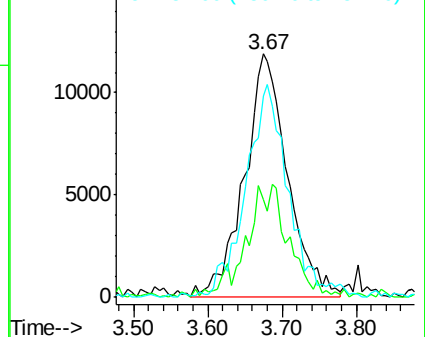
151 82.2 60.3 90.5



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: 0.877 ug/L

RT: 3.64 min Scan# 323

Delta R.T. -0.01 min

Lab File: VR025682.D

Acq: 7 Sep 2018 10:06

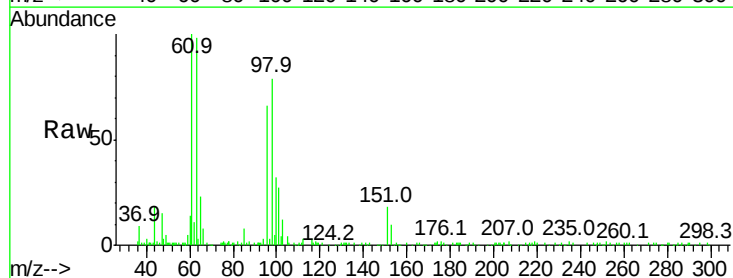
Tgt Ion: 96 Resp: 53552

Ion Ratio Lower Upper

96 100

61 151.5 128.4 238.4

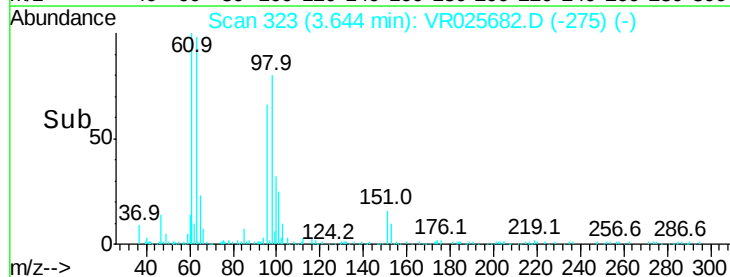
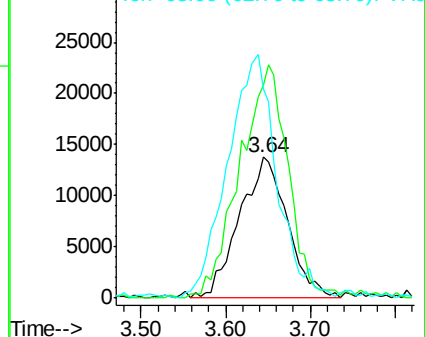
63 148.4 101.1 187.7

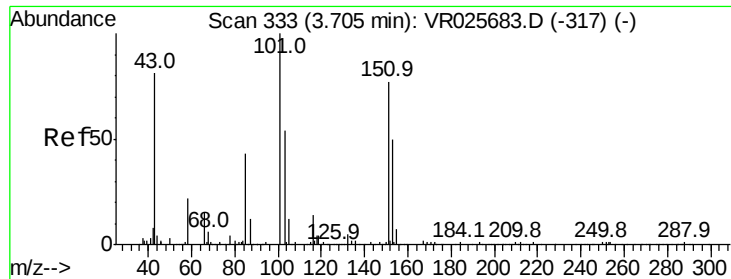


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 11.122 ug/L

RT: 3.71 min Scan# 334

Delta R.T. 0.01 min

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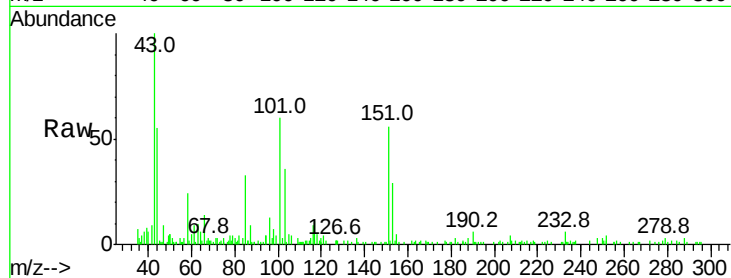
VSTD00192

Tgt Ion: 43 Resp: 26718

Ion Ratio Lower Upper

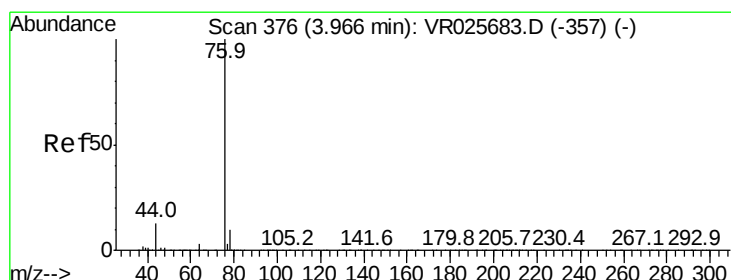
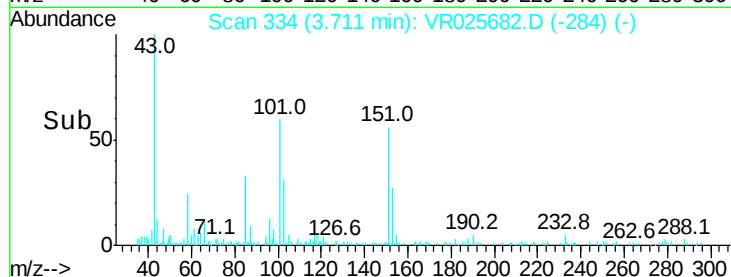
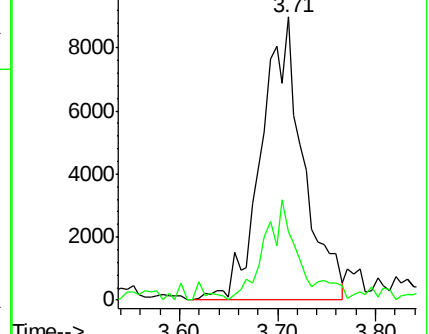
43 100

58 25.4 0.0 53.6



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#14

Carbon disulfide

Concen: 0.733 ug/L

RT: 3.95 min Scan# 373

Delta R.T. -0.02 min

Lab File: VR025682.D

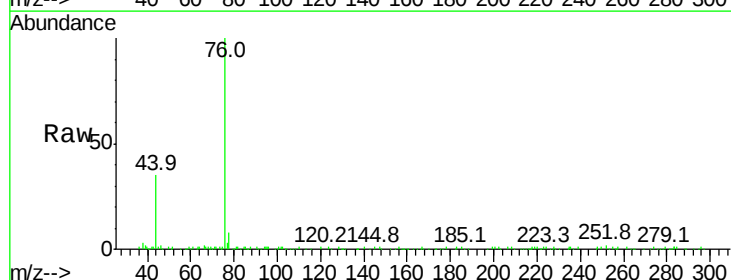
Acq: 7 Sep 2018 10:06

Tgt Ion: 76 Resp: 116425

Ion Ratio Lower Upper

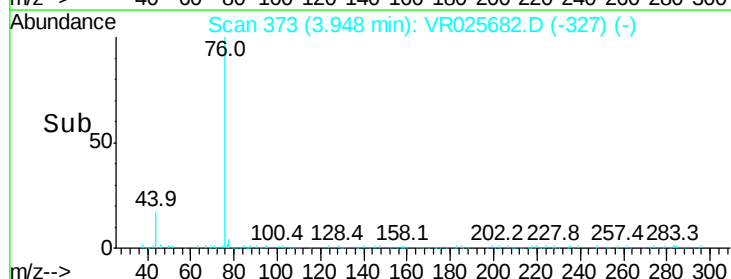
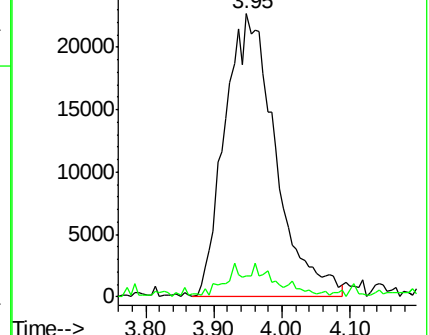
76 100

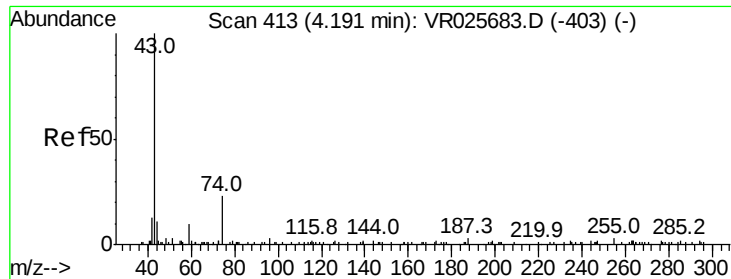
78 7.6 8.6 12.8#



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0

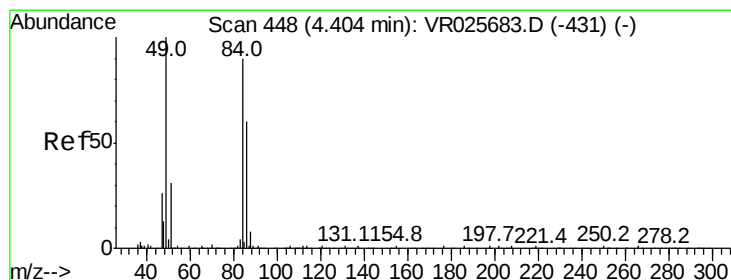
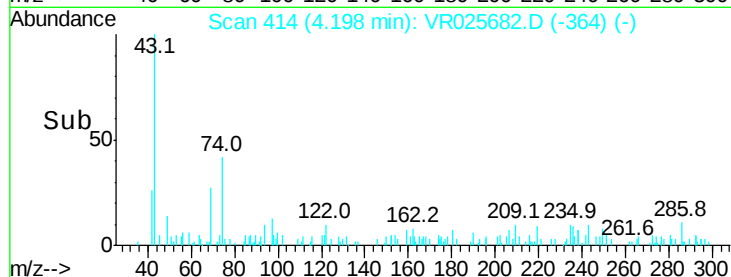
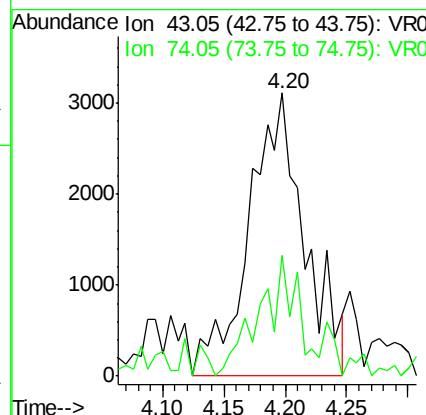
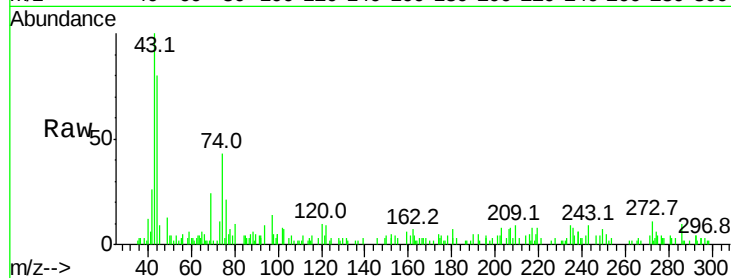




#15
Methyl Acetate
Concen: 1.080 ug/L
RT: 4.20 min Scan# 414
Delta R.T. 0.01 min
Lab File: VR025682.D
Acq: 7 Sep 2018 10:06

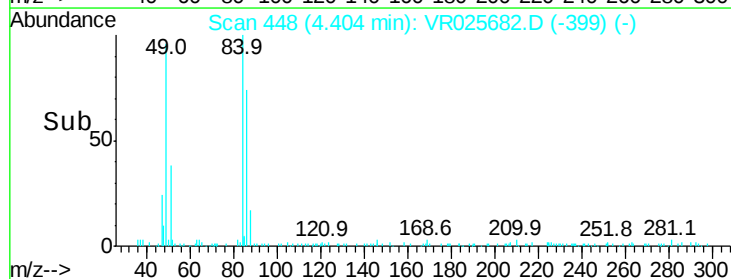
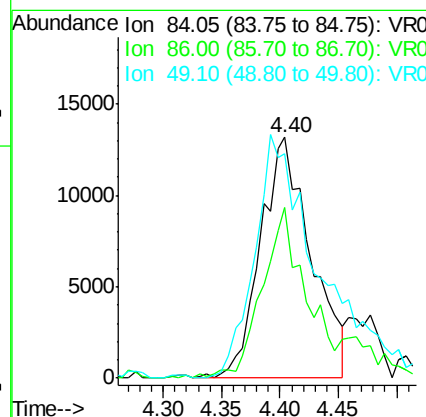
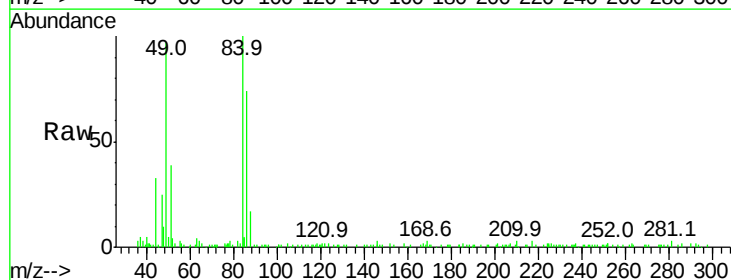
Instrument :
MSVOA_R
ClientSampleId :
VSTD00192

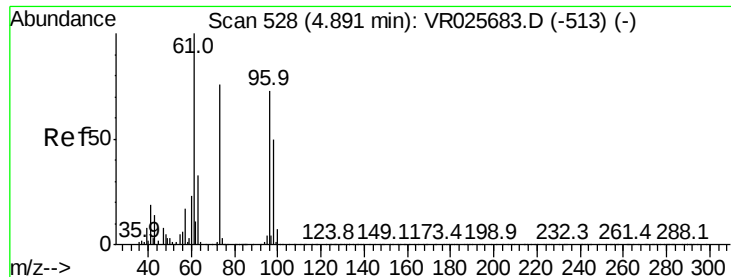
Tgt Ion: 43 Resp: 9811
Ion Ratio Lower Upper
43 100
74 14.4 24.2 36.4#



#16
Methylene chloride
Concen: 0.723 ug/L
RT: 4.40 min Scan# 448
Delta R.T. 0.00 min
Lab File: VR025682.D
Acq: 7 Sep 2018 10:06

Tgt Ion: 84 Resp: 39639
Ion Ratio Lower Upper
84 100
86 70.8 46.5 86.3
49 92.9 77.4 143.8



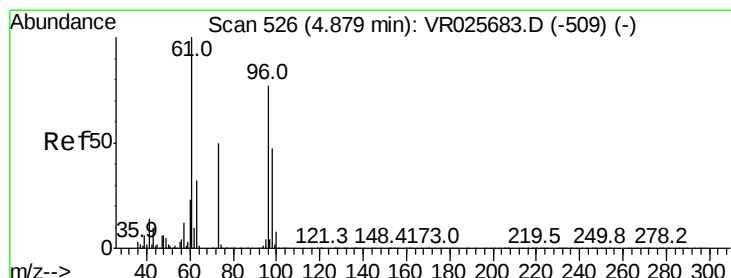
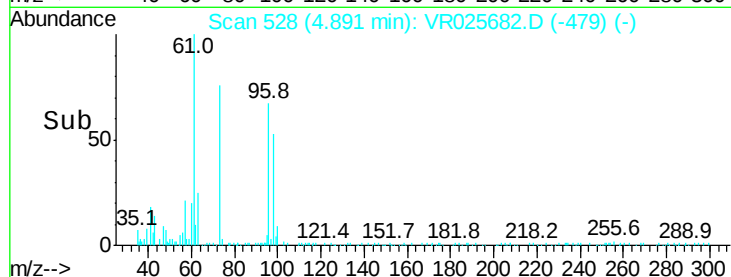
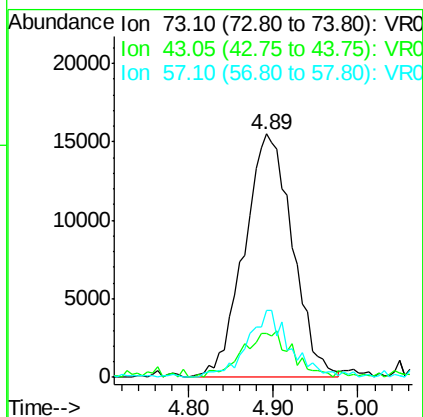
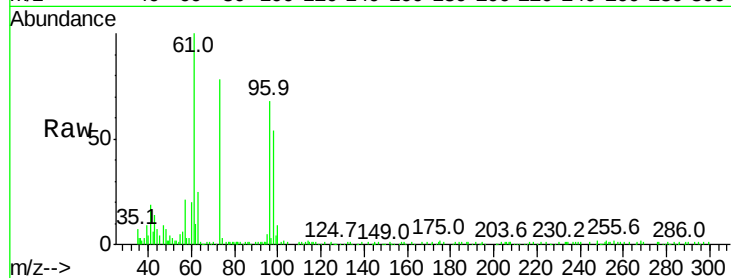


#17

Methyl tert-butyl Ether
Concen: 0.969 ug/L
RT: 4.89 min Scan# 528
Delta R.T. 0.00 min
Lab File: VR025682.D
Acq: 7 Sep 2018 10:06

Instrument :
MSVOA_R
ClientSampleId :
VSTD00192

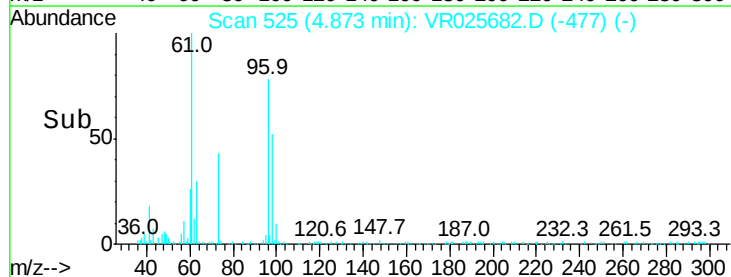
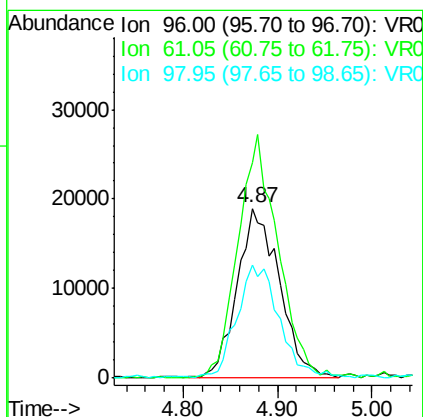
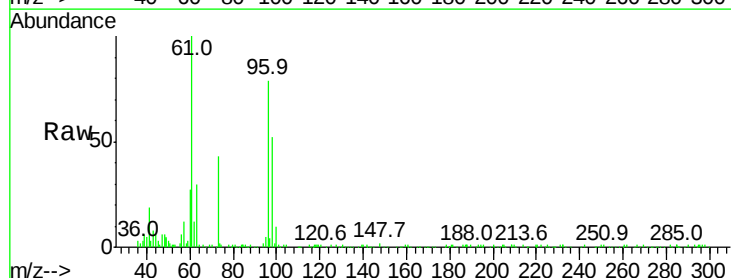
Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.4	15.1	22.7
57	24.1	19.5	29.3

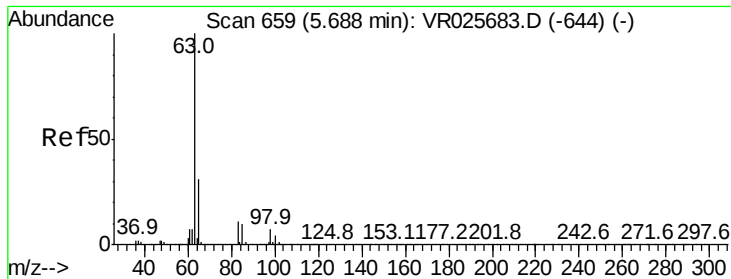


#18

trans-1,2-Dichloroethene
Concen: 0.921 ug/L
RT: 4.87 min Scan# 525
Delta R.T. -0.01 min
Lab File: VR025682.D
Acq: 7 Sep 2018 10:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	127.1	91.3	169.6
98	66.6	43.2	80.2

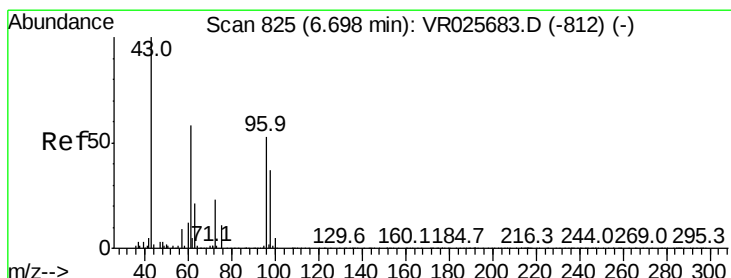
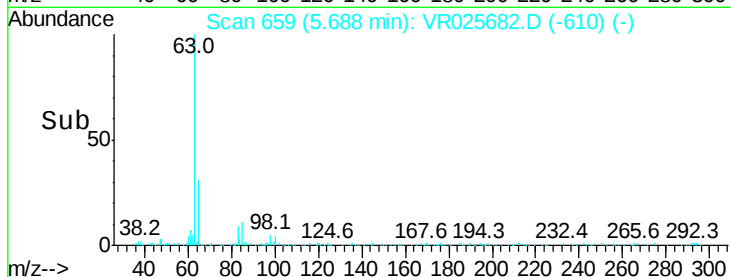
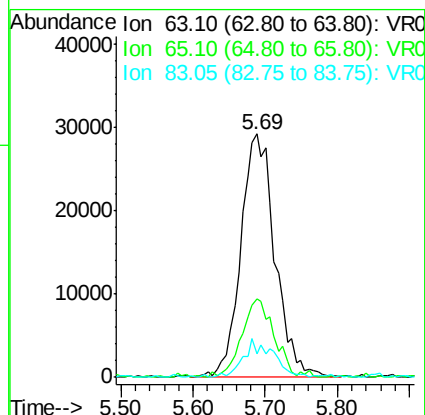
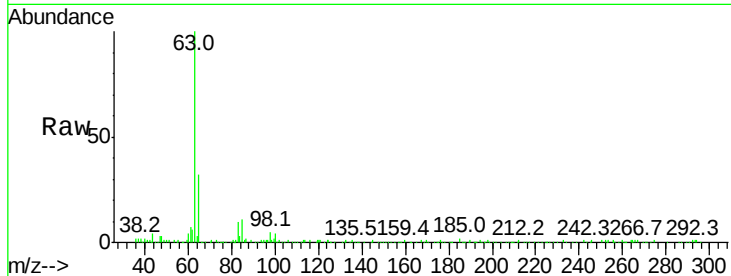




#19
 1,1-Dichloroethane
 Concen: 0.951 ug/L
 RT: 5.69 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VR025682.D
 Acq: 7 Sep 2018 10:06

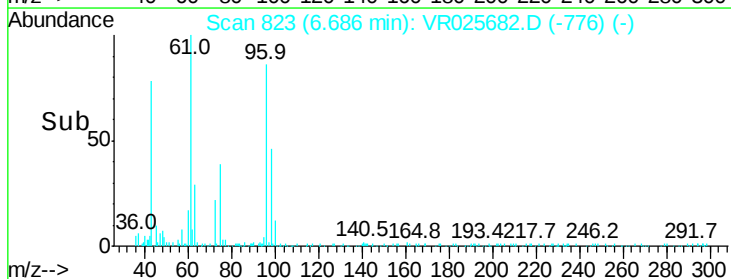
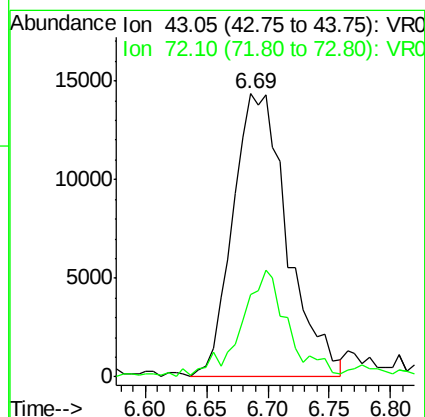
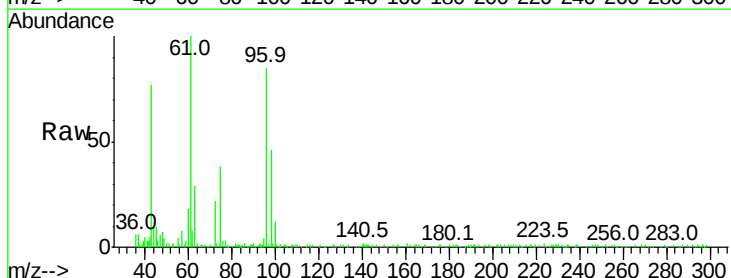
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00192

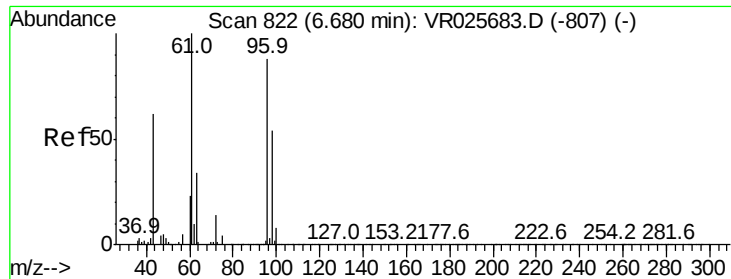
Tgt Ion:	63	Resp:	94786
Ion	Ratio	Lower	Upper
63	100		
65	32.3	21.9	40.7
83	9.8	7.6	14.2



#21
 2-Butanone
 Concen: 9.395 ug/L
 RT: 6.69 min Scan# 823
 Delta R.T. -0.01 min
 Lab File: VR025682.D
 Acq: 7 Sep 2018 10:06

Tgt Ion:	43	Resp:	44477
Ion	Ratio	Lower	Upper
43	100		
72	31.3	13.3	39.9



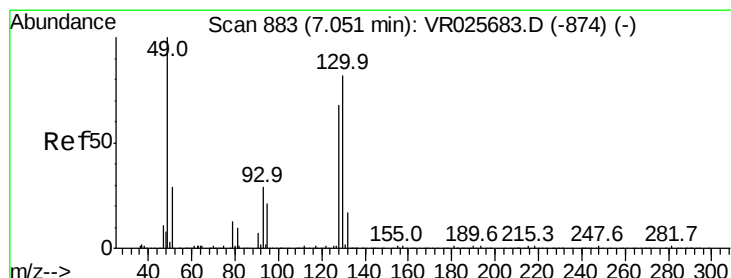
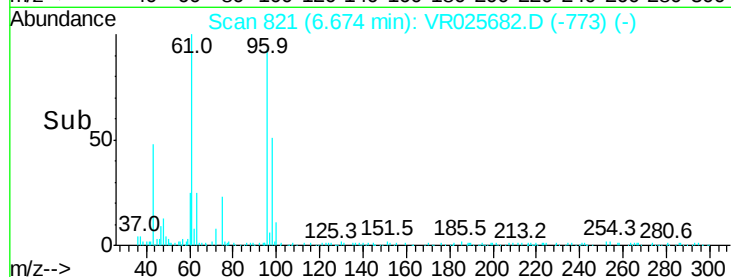
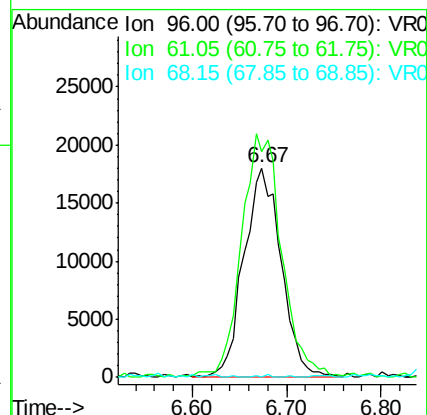
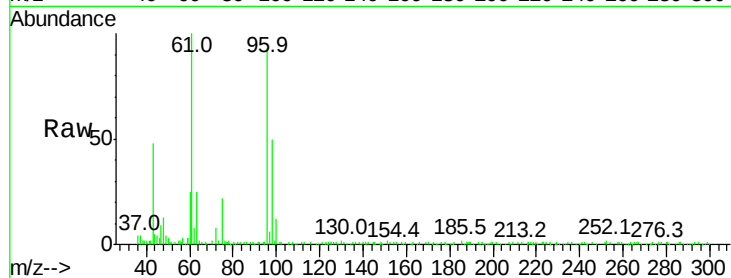


#22

cis-1,2-Dichloroethene
Concen: 0.904 ug/L
RT: 6.67 min Scan# 821
Delta R.T. -0.01 min
Lab File: VR025682.D
Acq: 7 Sep 2018 10:06

Instrument :
MSVOA_R
ClientSampled :
VSTD00192

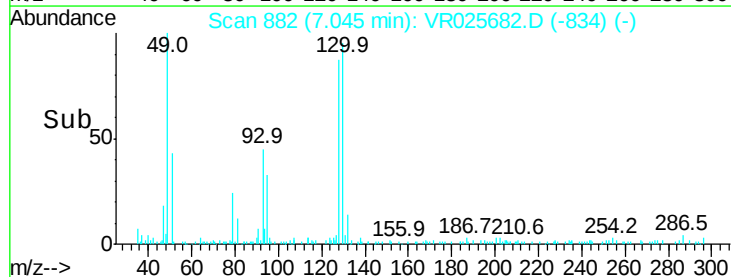
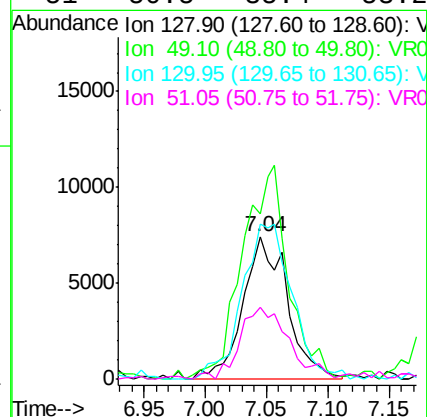
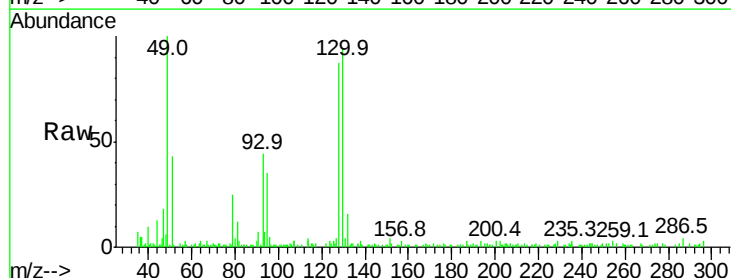
Tgt Ion: 96 Resp: 50108
Ion Ratio Lower Upper
96 100
61 107.9 79.9 148.5
68 0.0 0.2 0.4#

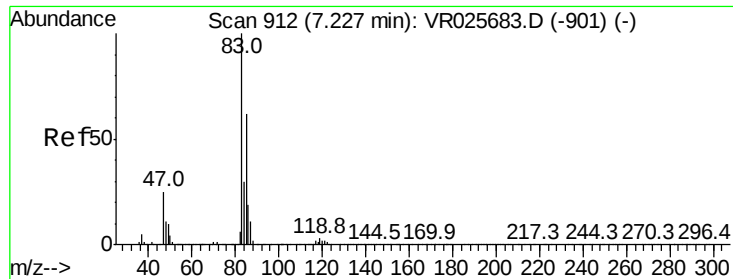


#23

Bromochloromethane
Concen: 1.097 ug/L
RT: 7.04 min Scan# 882
Delta R.T. -0.01 min
Lab File: VR025682.D
Acq: 7 Sep 2018 10:06

Tgt Ion: 128 Resp: 18639
Ion Ratio Lower Upper
128 100
49 115.9 104.6 194.2
130 108.9 84.7 157.3
51 50.5 35.4 53.2





#25

Chloroform

Concen: 1.014 ug/L

RT: 7.23 min Scan# 913

Delta R.T. 0.01 min

Lab File: VR025682.D

Acq: 7 Sep 2018 10:06

Instrument :

MSVOA_R

ClientSampleId :

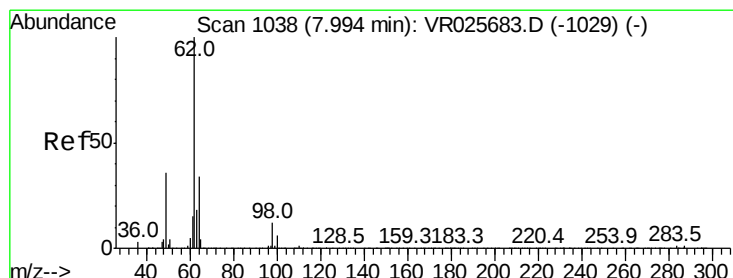
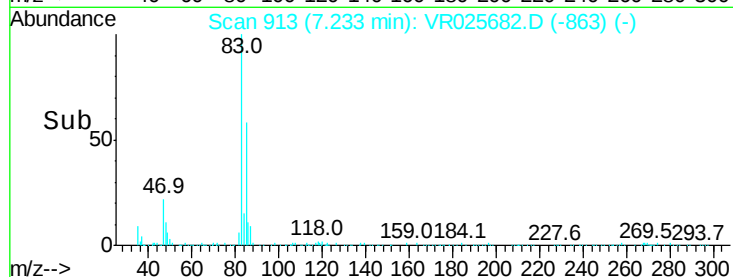
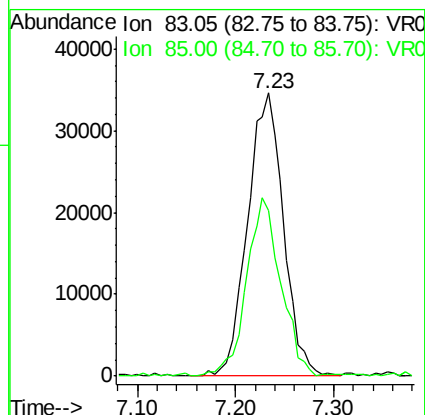
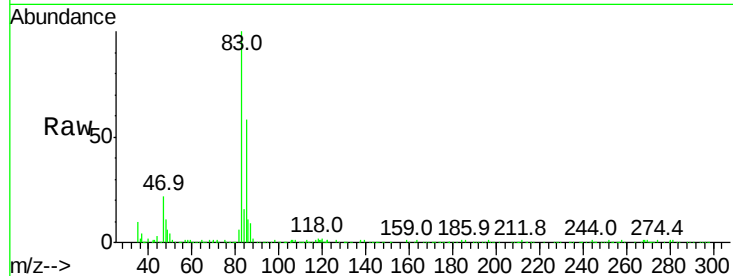
VSTD00192

Tgt Ion: 83 Resp: 87820

Ion Ratio Lower Upper

83 100

85 58.4 43.8 81.4



#27

1,2-Dichloroethane

Concen: 1.085 ug/L

RT: 7.99 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VR025682.D

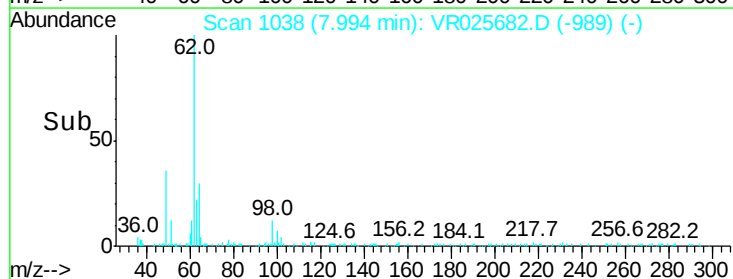
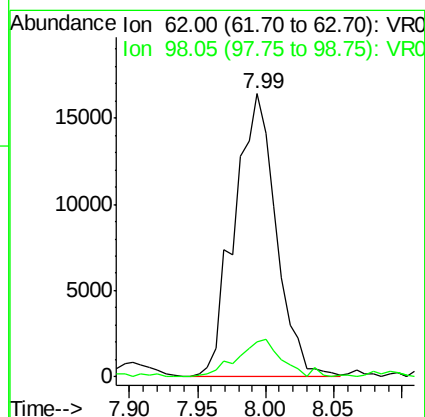
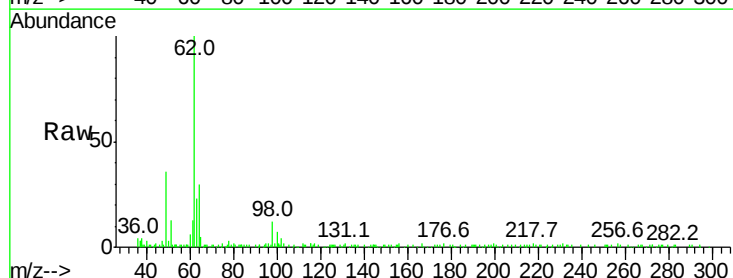
Acq: 7 Sep 2018 10:06

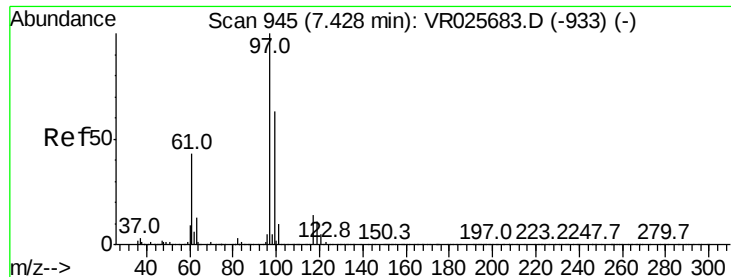
Tgt Ion: 62 Resp: 35143

Ion Ratio Lower Upper

62 100

98 12.5 9.4 14.2

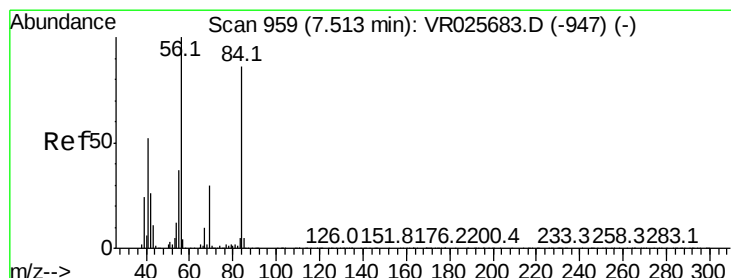
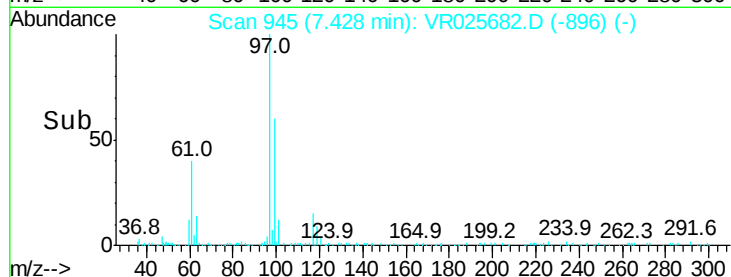
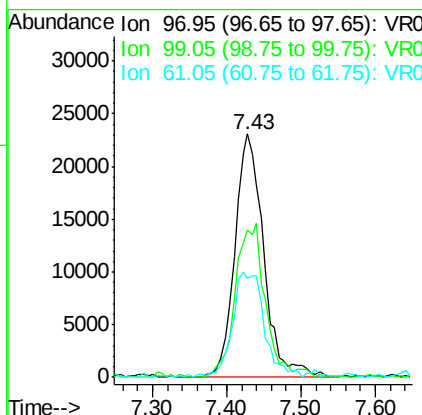
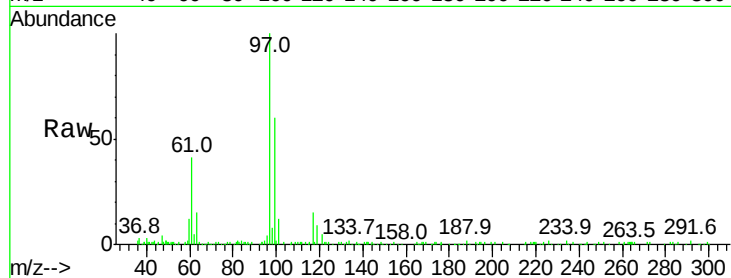




#29
 1,1,1-Trichloroethane
 Concen: 1.044 ug/L
 RT: 7.43 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: VR025682.D
 Acq: 7 Sep 2018 10:06

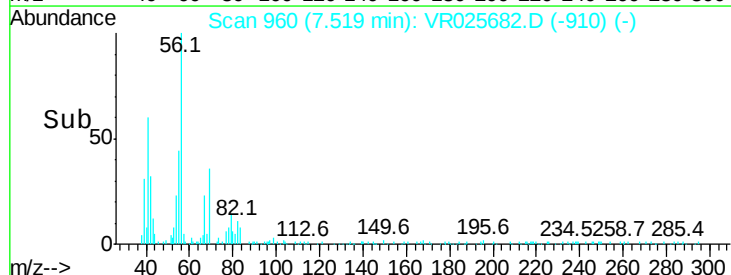
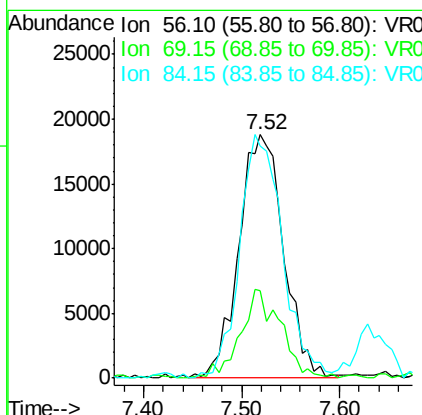
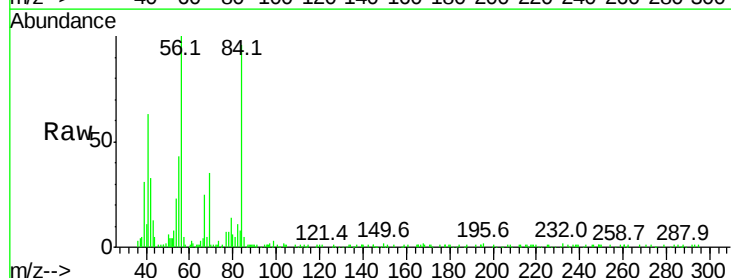
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00192

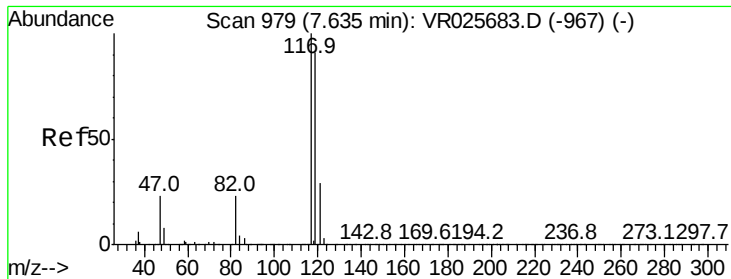
Tgt Ion: 97 Resp: 62757
 Ion Ratio Lower Upper
 97 100
 99 66.1 51.3 76.9
 61 47.7 36.2 54.4



#30
 Cyclohexane
 Concen: 0.773 ug/L
 RT: 7.52 min Scan# 960
 Delta R.T. 0.01 min
 Lab File: VR025682.D
 Acq: 7 Sep 2018 10:06

Tgt Ion: 56 Resp: 59729
 Ion Ratio Lower Upper
 56 100
 69 32.7 23.4 35.2
 84 95.9 70.4 105.6





#31

Carbon tetrachloride

Concen: 1.153 ug/L

RT: 7.63 min Scan# 979

Delta R.T. 0.00 min

Lab File: VR025682.D

Acq: 7 Sep 2018 10:06

Instrument :

MSVOA_R

ClientSampleId :

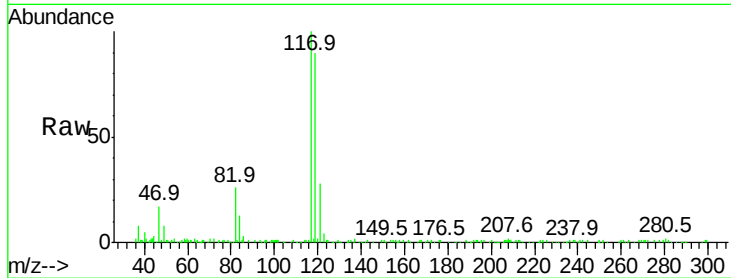
VSTD00192

Tgt Ion:117 Resp: 60810

Ion Ratio Lower Upper

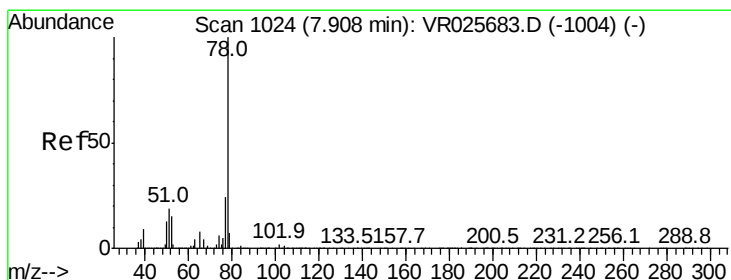
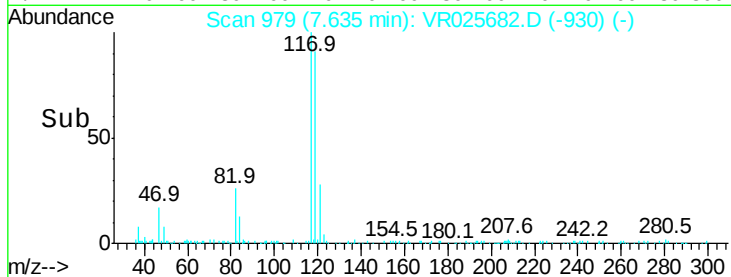
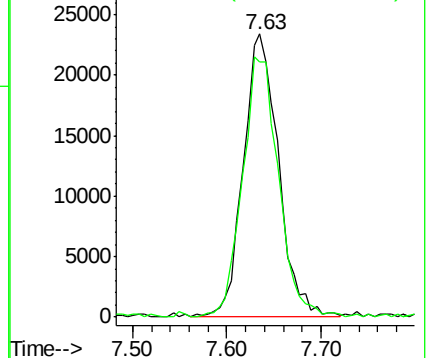
117 100

119 94.6 78.9 118.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.968 ug/L

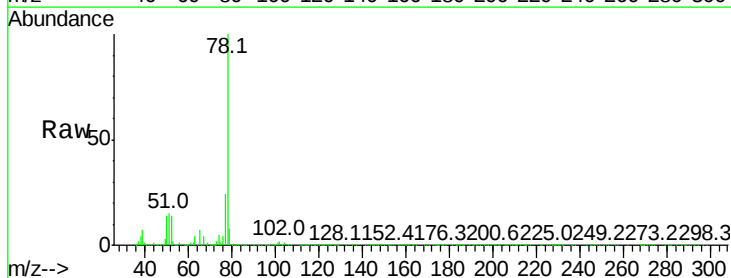
RT: 7.91 min Scan# 1024

Delta R.T. 0.00 min

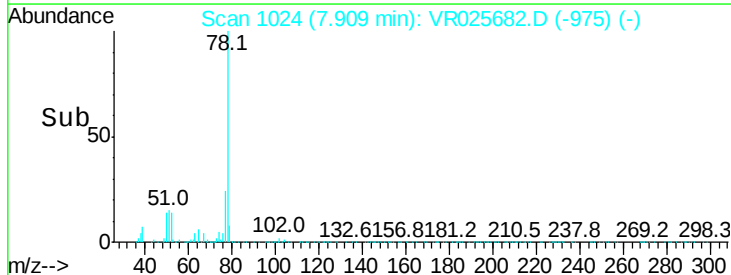
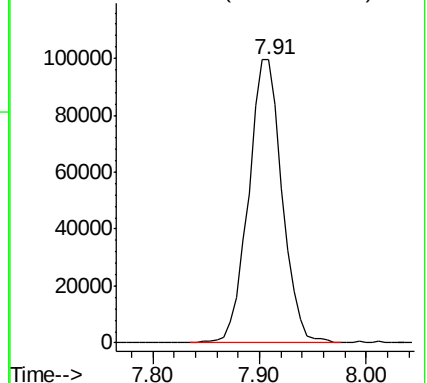
Lab File: VR025682.D

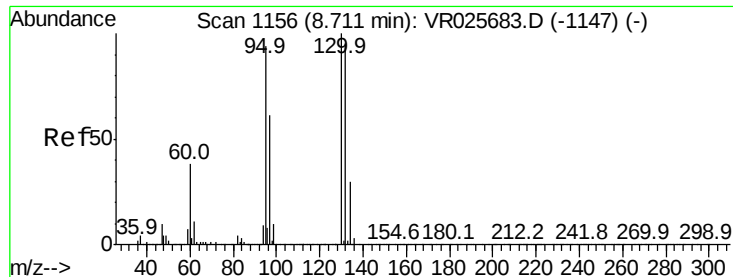
Acq: 7 Sep 2018 10:06

Tgt Ion: 78 Resp: 218416



Abundance Ion 78.10 (77.80 to 78.80): VR0





#34

Trichloroethene

Concen: 1.069 ug/L

RT: 8.71 min Scan# 1155

Delta R.T. -0.01 min

Lab File: VR025682.D

Acq: 7 Sep 2018 10:06

Instrument :

MSVOA_R

ClientSampleId :

VSTD00192

Tgt Ion: 95 Resp: 55234

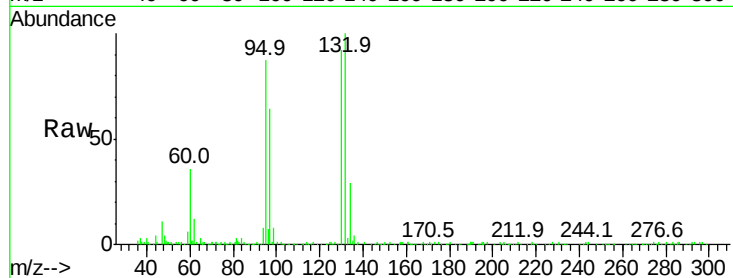
Ion Ratio Lower Upper

95 100

97 73.1 45.5 84.5

132 114.4 71.0 131.9

130 105.0 74.5 138.3

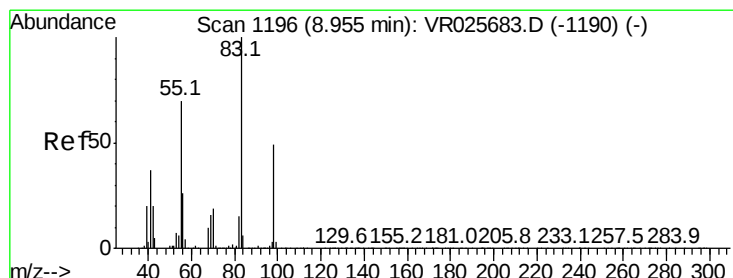
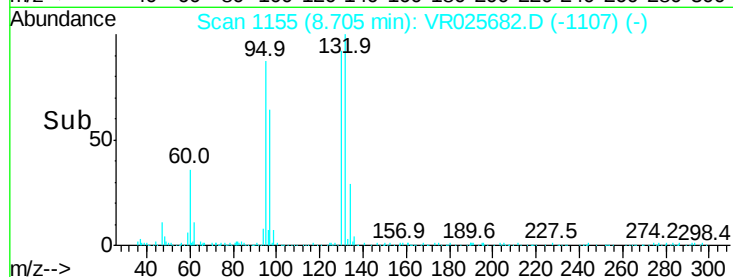
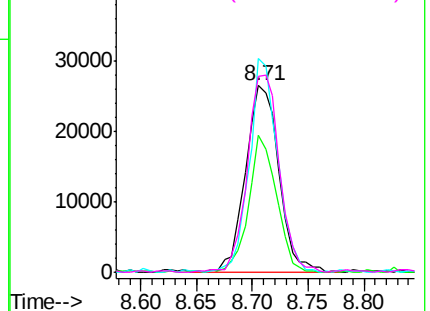


Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.816 ug/L

RT: 8.95 min Scan# 1196

Delta R.T. 0.00 min

Lab File: VR025682.D

Acq: 7 Sep 2018 10:06

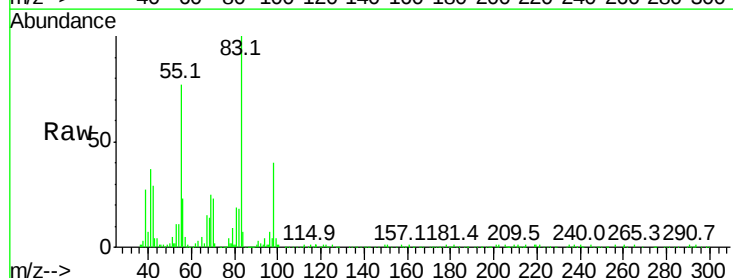
Tgt Ion: 83 Resp: 68562

Ion Ratio Lower Upper

83 100

55 79.9 58.9 88.3

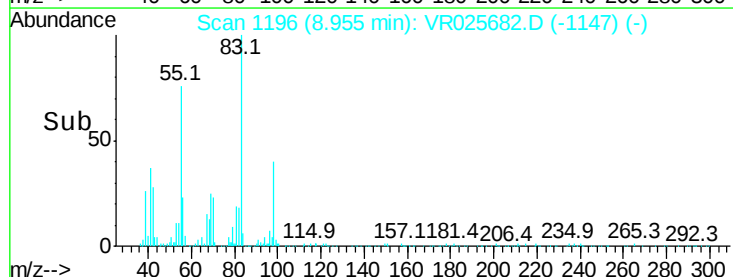
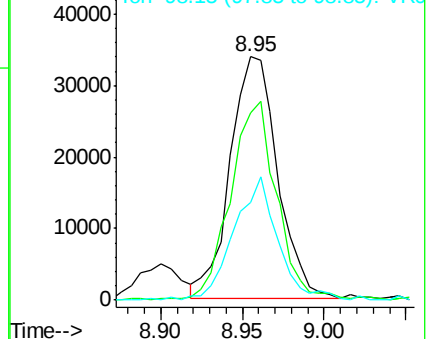
98 47.1 36.9 55.3

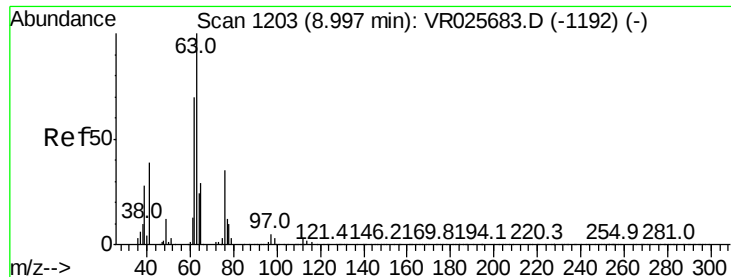


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 0.993 ug/L

RT: 8.99 min Scan# 1202

Delta R.T. -0.01 min

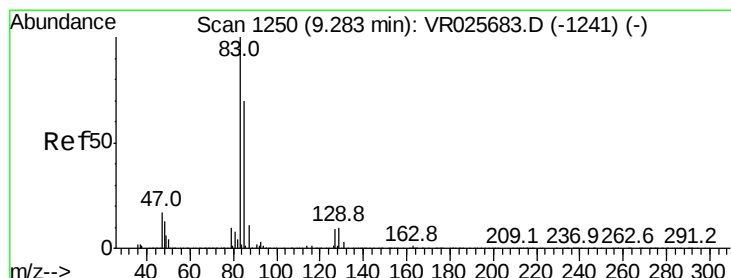
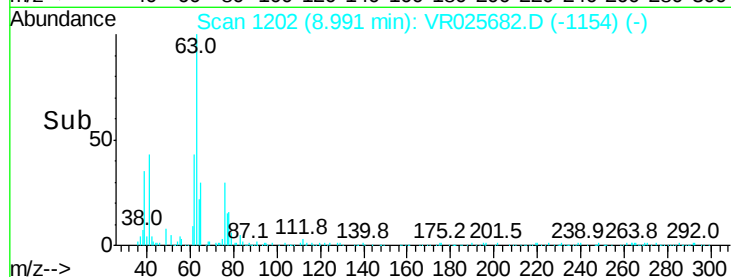
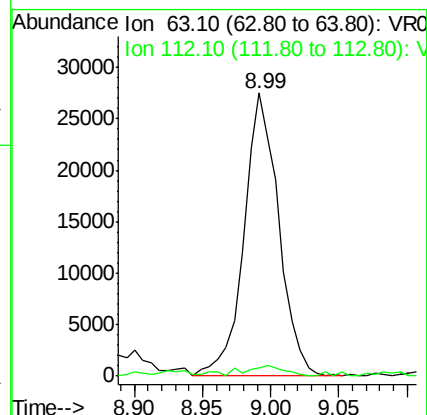
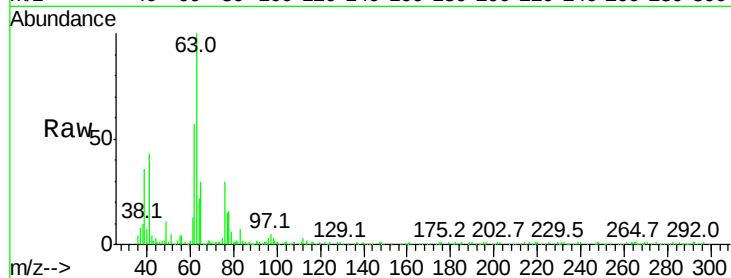
Lab File: VR025682.D

Acq: 7 Sep 2018 10:06

Instrument :
MSVOA_R
ClientSampleId :
VSTD00192

Tgt Ion: 63 Resp: 49143

Ion	Ratio	Lower	Upper
63	100		
112	4.2	2.9	4.3



#38

Bromodichloromethane

Concen: 1.046 ug/L

RT: 9.28 min Scan# 1250

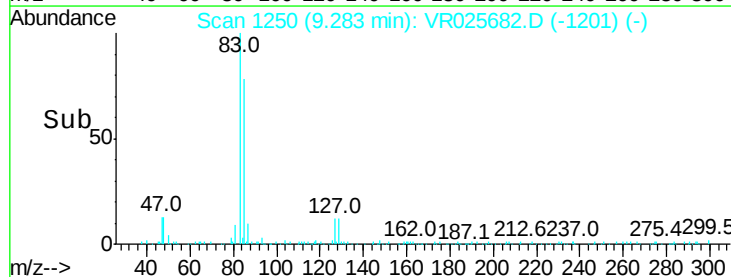
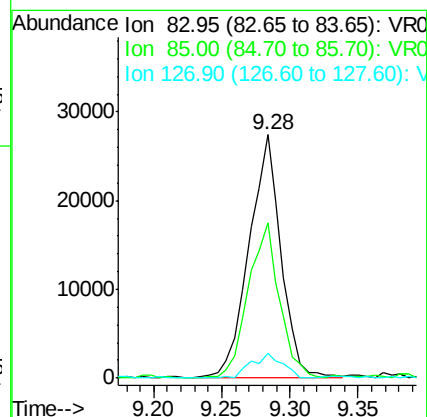
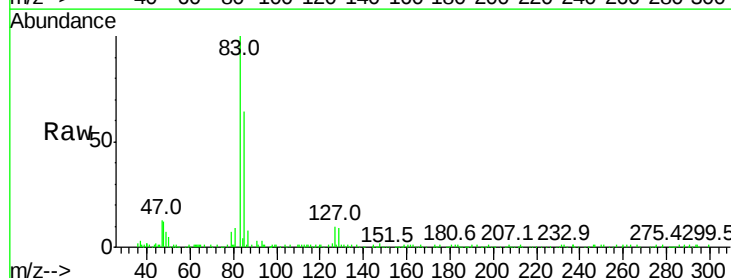
Delta R.T. 0.00 min

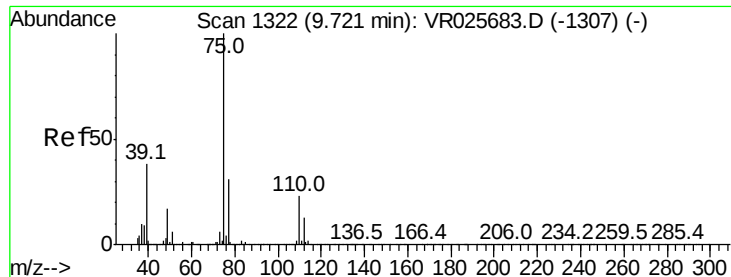
Lab File: VR025682.D

Acq: 7 Sep 2018 10:06

Tgt Ion: 83 Resp: 45192

Ion	Ratio	Lower	Upper
83	100		
85	63.9	48.7	90.5
127	10.3	7.5	11.3





#39

cis-1,3-Dichloropropene

Concen: 0.869 ug/L

RT: 9.72 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VR025682.D

Acq: 7 Sep 2018 10:06

Instrument :

MSVOA_R

ClientSampleId :

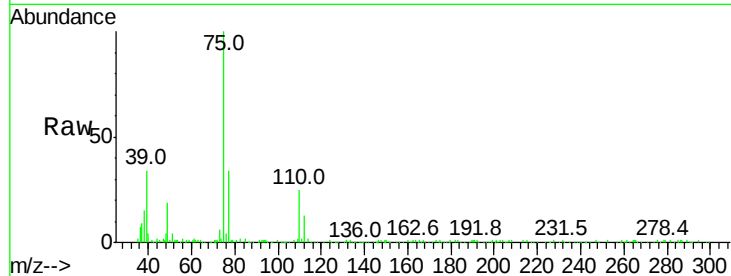
VSTD00192

Tgt Ion: 75 Resp: 44099

Ion Ratio Lower Upper

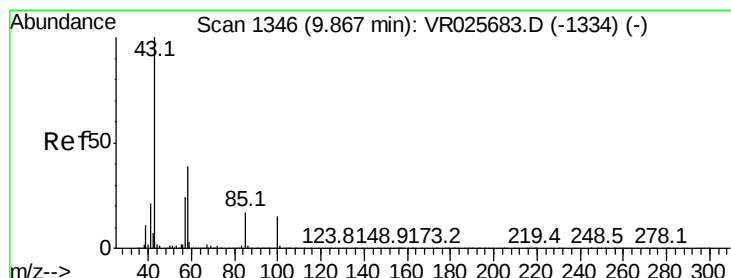
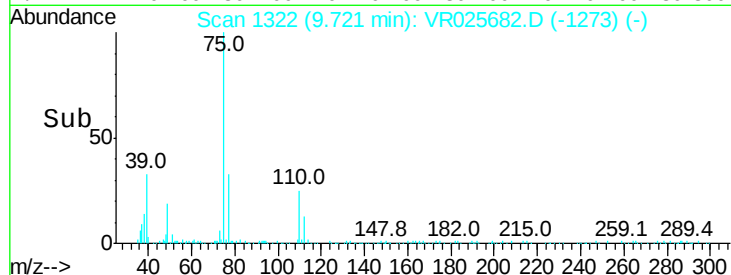
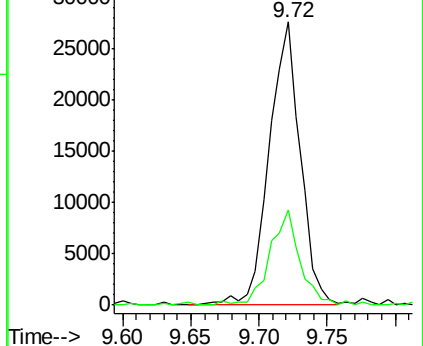
75 100

77 33.8 21.6 40.2



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: 8.968 ug/L

RT: 9.87 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VR025682.D

Acq: 7 Sep 2018 10:06

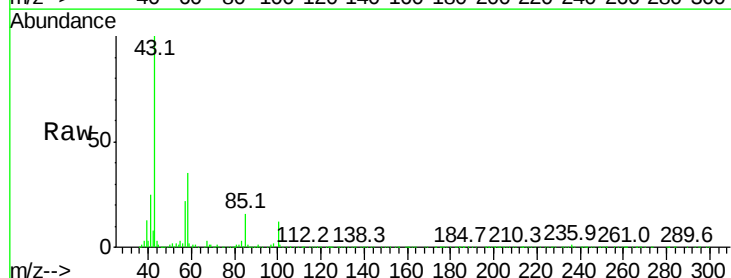
Tgt Ion: 43 Resp: 107553

Ion Ratio Lower Upper

43 100

58 39.8 30.6 46.0

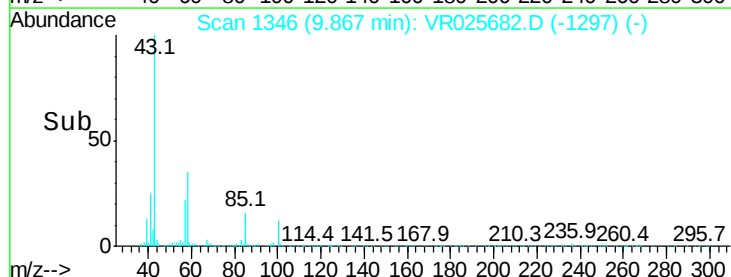
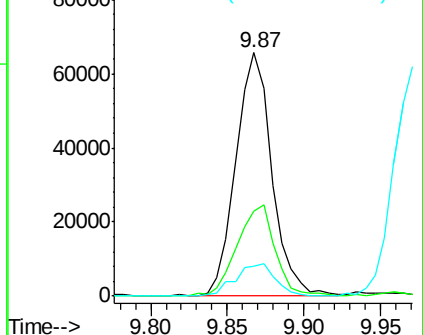
100 15.1 11.7 17.5

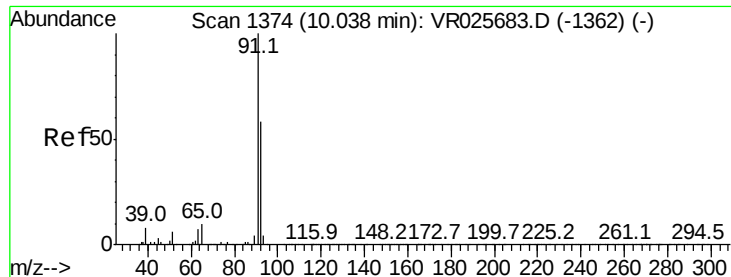


Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 100.15 (99.85 to 100.85): VR0





#42

Toluene

Concen: 0.971 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. -0.01 min

Lab File: VR025682.D

Acq: 7 Sep 2018 10:06

Instrument :

MSVOA_R

ClientSampleId :

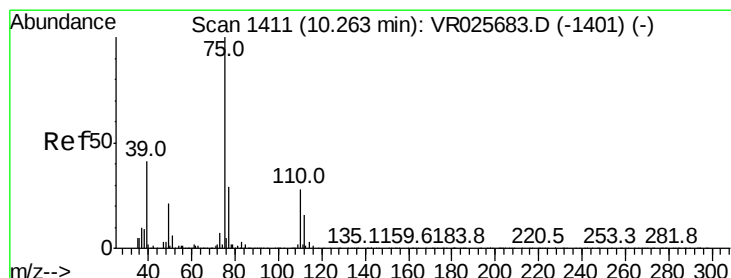
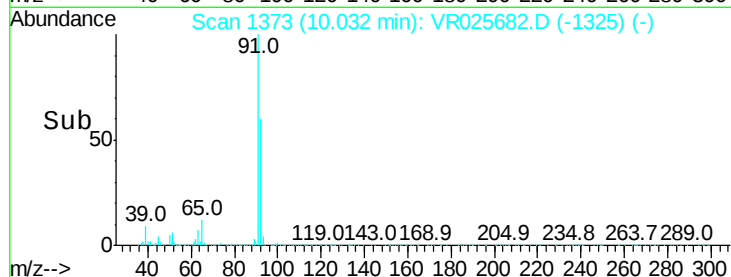
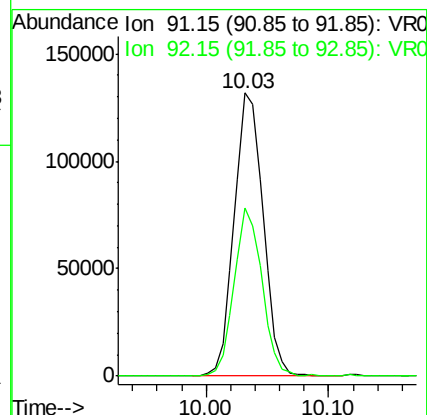
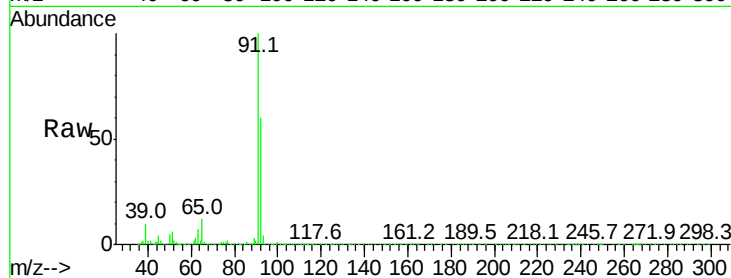
VSTD00192

Tgt Ion: 91 Resp: 214974

Ion Ratio Lower Upper

91 100

92 59.6 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 0.874 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR025682.D

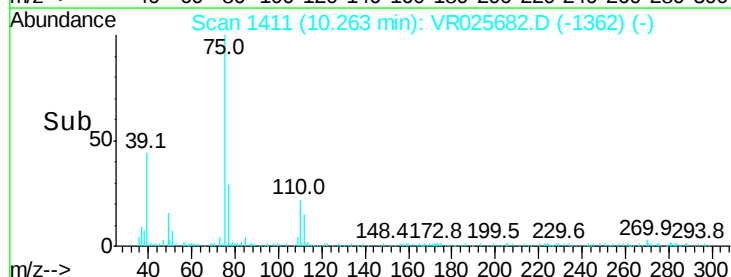
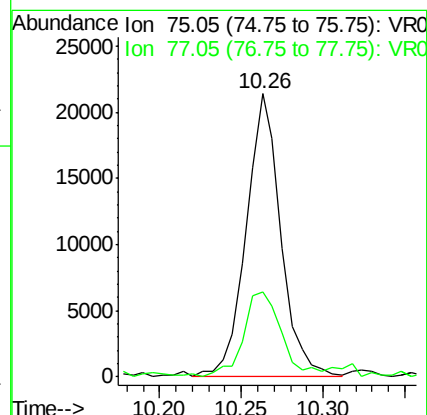
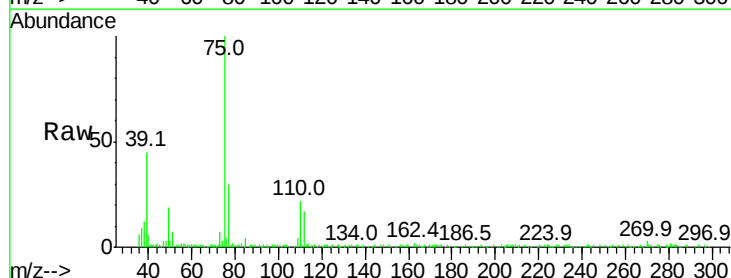
Acq: 7 Sep 2018 10:06

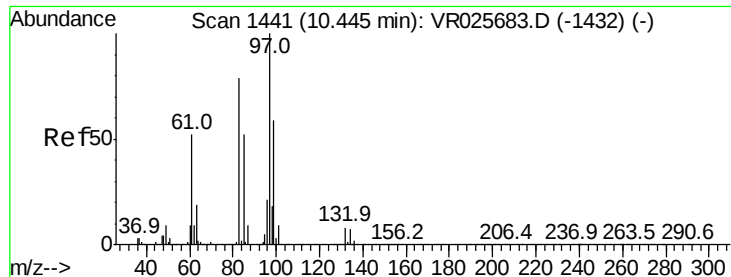
Tgt Ion: 75 Resp: 31294

Ion Ratio Lower Upper

75 100

77 29.8 20.7 38.5

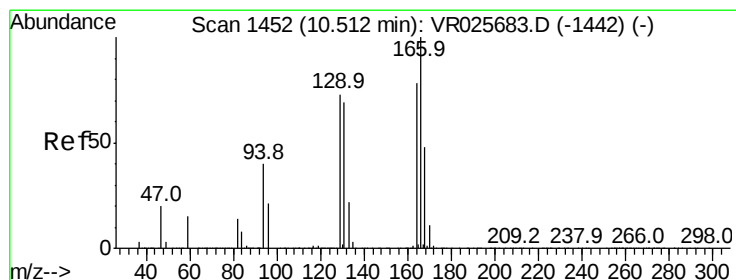
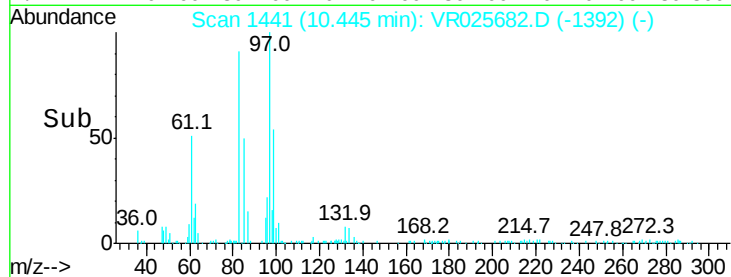
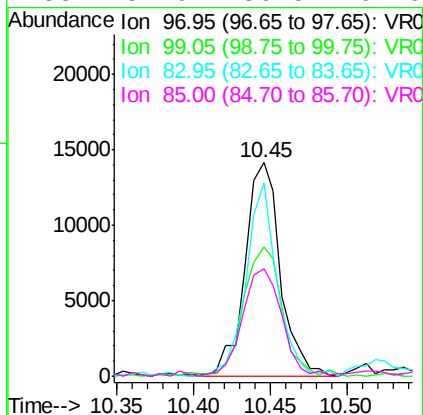
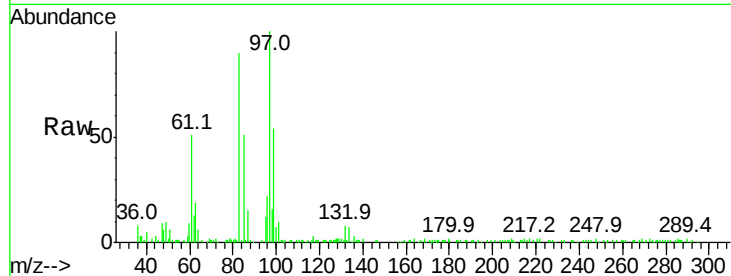




#45
 1,1,2-Trichloroethane
 Concen: 1.039 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VR025682.D
 Acq: 7 Sep 2018 10:06

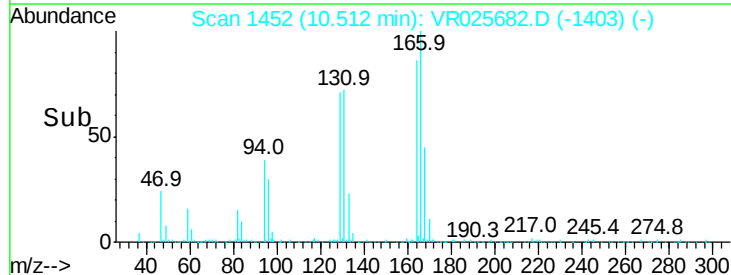
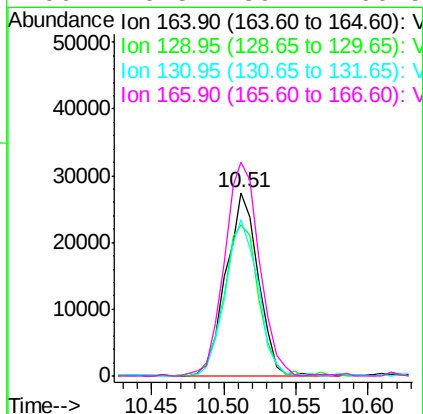
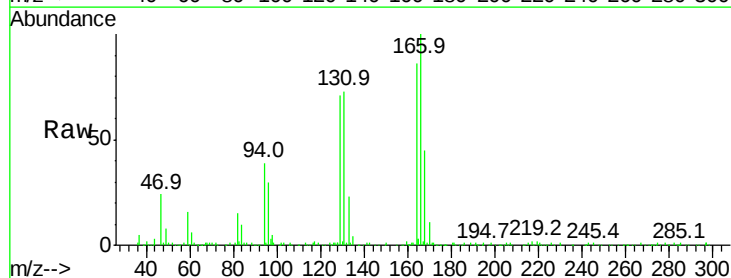
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00192

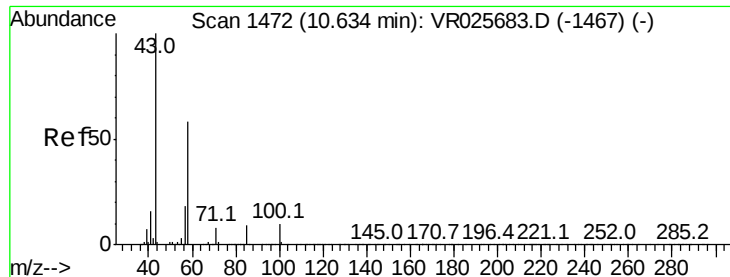
Tgt Ion:	97	Resp:	22692
Ion	Ratio	Lower	Upper
97	100		
99	60.8	41.3	76.7
83	90.3	55.4	102.8
85	51.9	36.5	67.9



#47
 Tetrachloroethene
 Concen: 1.096 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: VR025682.D
 Acq: 7 Sep 2018 10:06

Tgt Ion:	164	Resp:	43309
Ion	Ratio	Lower	Upper
164	100		
129	82.4	65.6	121.8
131	84.9	62.2	115.4
166	116.5	89.7	166.5

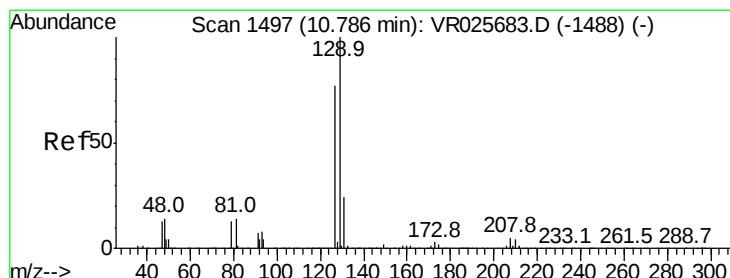
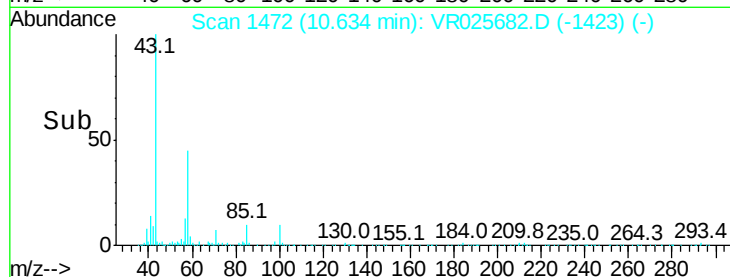
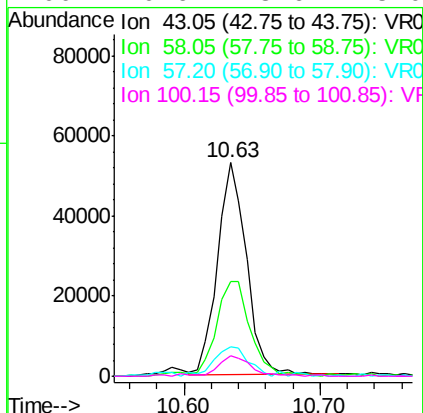
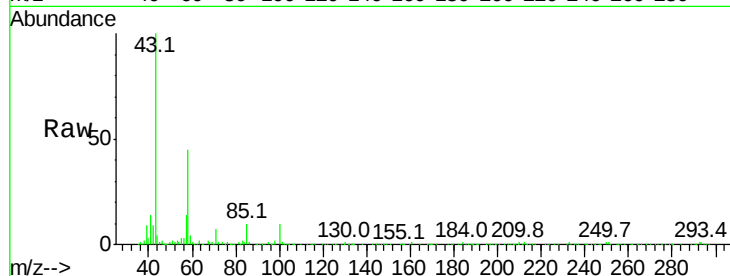




#48
2-Hexanone
Concen: 9.367 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR025682.D
Acq: 7 Sep 2018 10:06

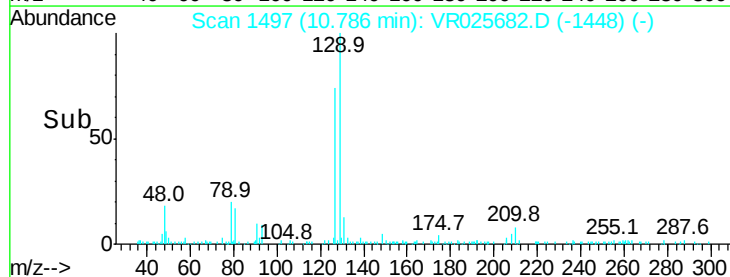
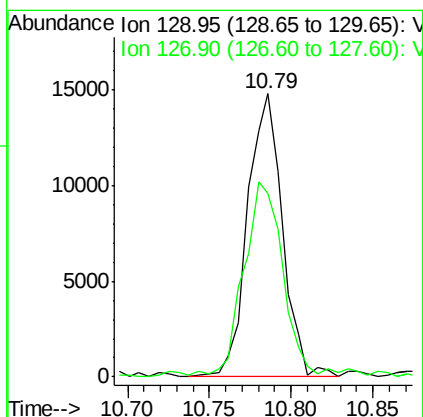
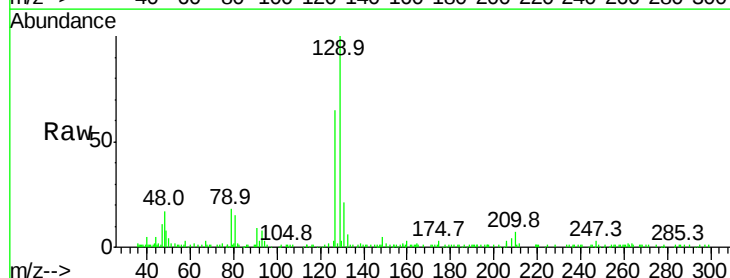
Instrument :
MSVOA_R
ClientSampleId :
VSTD00192

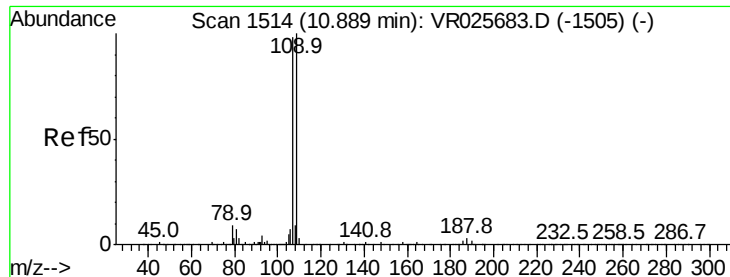
Tgt Ion:	43	Resp:	78310
Ion	Ratio	Lower	Upper
43	100		
58	53.3	45.8	68.8
57	16.4	14.2	21.2
100	10.6	8.6	13.0



#49
Dibromochloromethane
Concen: 0.935 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.00 min
Lab File: VR025682.D
Acq: 7 Sep 2018 10:06

Tgt Ion:	129	Resp:	22001
Ion	Ratio	Lower	Upper
129	100		
127	64.8	54.1	100.5

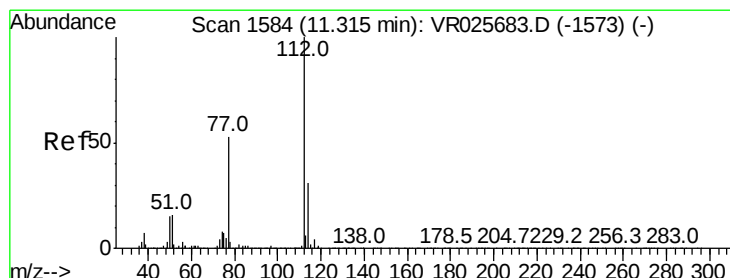
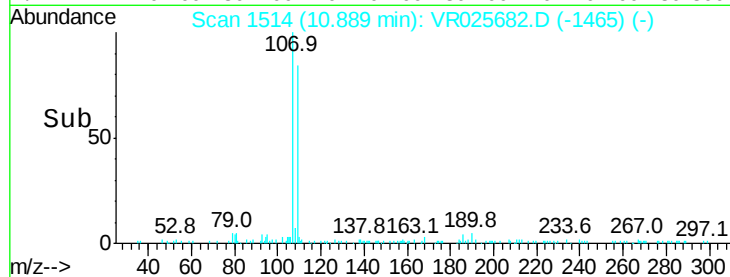
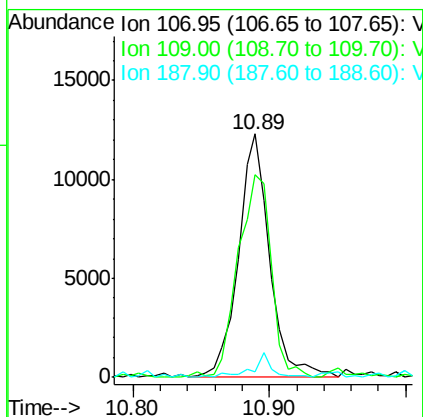
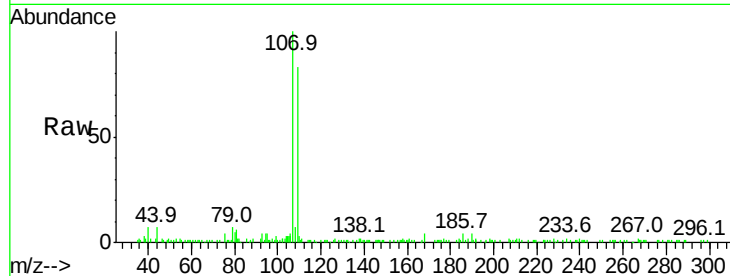




#50
1,2-Dibromoethane
Concen: 1.135 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VR025682.D
Acq: 7 Sep 2018 10:06

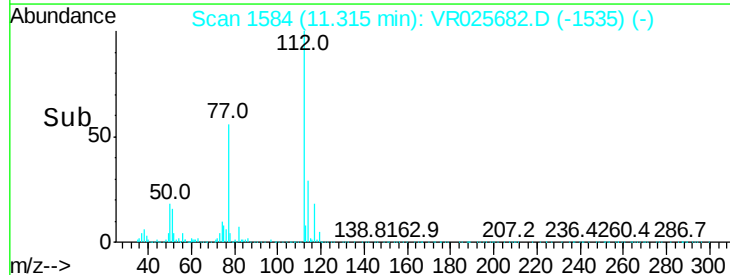
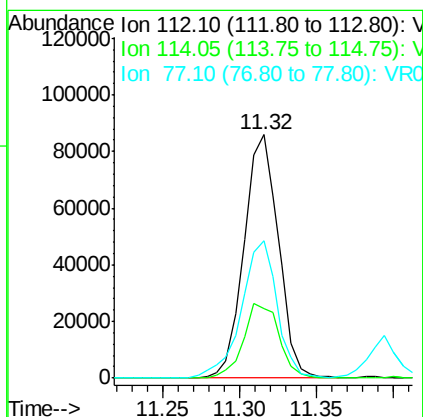
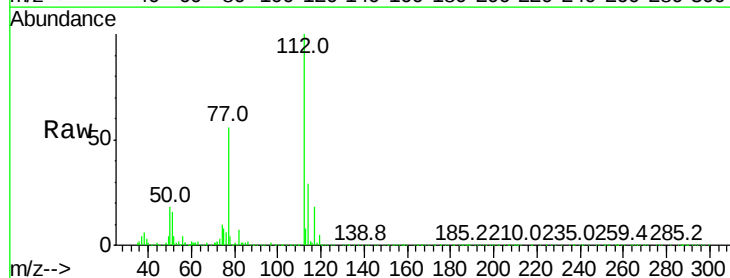
Instrument :
MSVOA_R
ClientSampleId :
VSTD00192

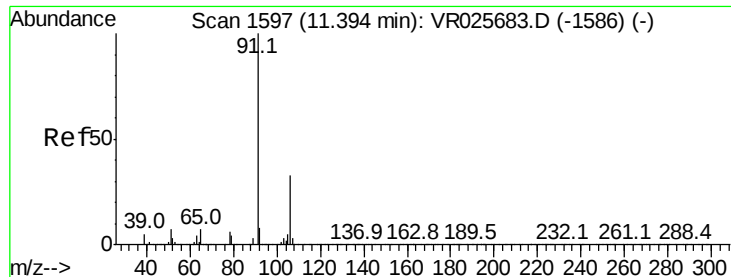
Tgt Ion:107 Resp: 19644
Ion Ratio Lower Upper
107 100
109 83.5 71.3 132.5
188 2.2 3.4 5.0#



#51
Chlorobenzene
Concen: 0.972 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VR025682.D
Acq: 7 Sep 2018 10:06

Tgt Ion:112 Resp: 133952
Ion Ratio Lower Upper
112 100
114 28.6 21.8 40.6
77 56.3 42.4 63.6





#52

Ethylbenzene

Concen: 0.944 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR025682.D

Acq: 7 Sep 2018 10:06

Instrument :

MSVOA_R

ClientSampleId :

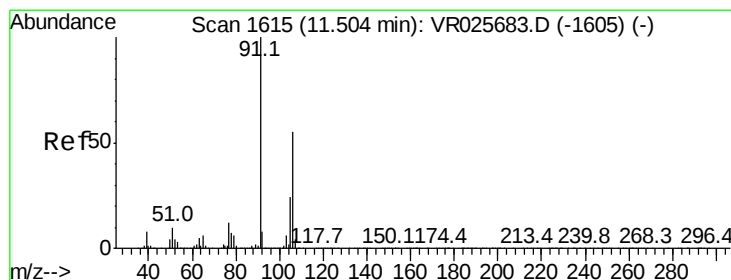
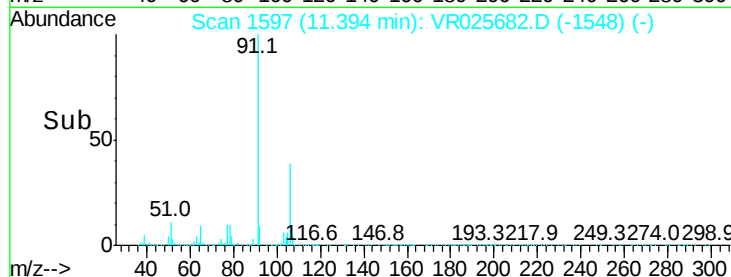
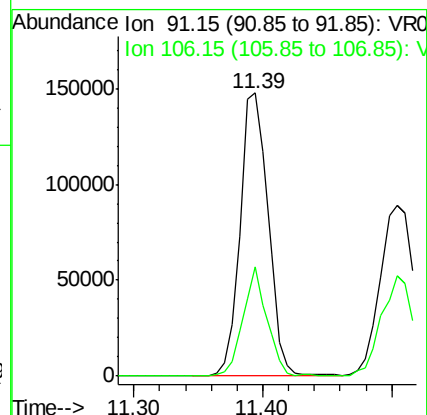
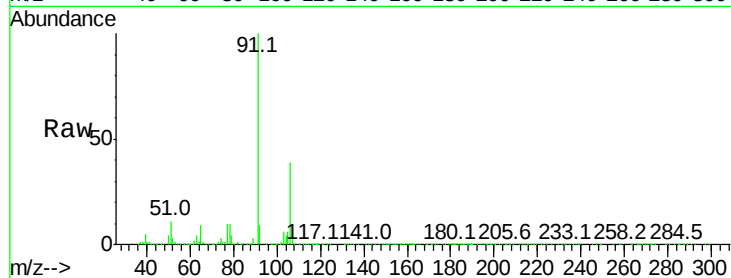
VSTD00192

Tgt Ion: 91 Resp: 223085

Ion Ratio Lower Upper

91 100

106 38.6 22.7 42.3



#53

m,p-Xylene

Concen: 0.940 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR025682.D

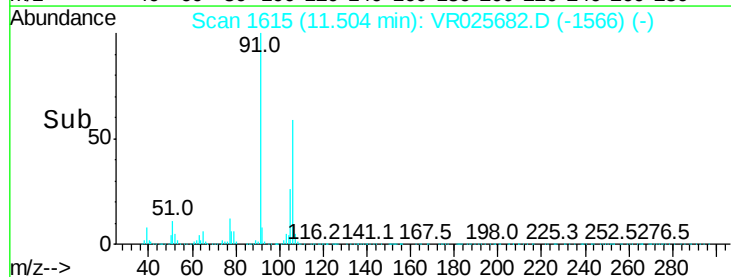
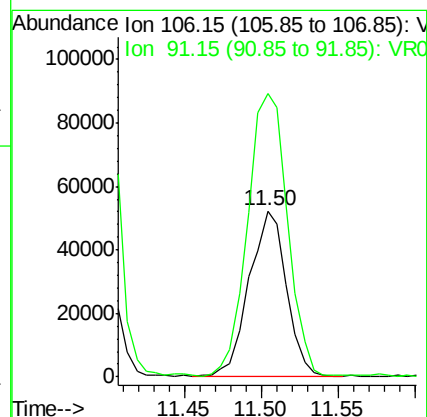
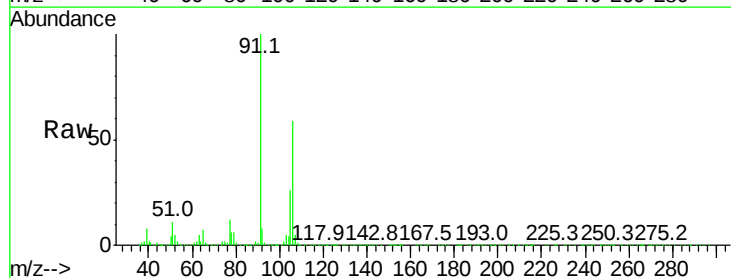
Acq: 7 Sep 2018 10:06

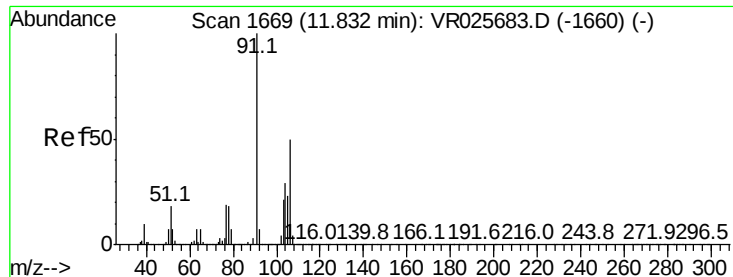
Tgt Ion: 106 Resp: 88940

Ion Ratio Lower Upper

106 100

91 170.6 128.7 238.9





#54

o-Xylene

Concen: 0.855 ug/L

RT: 11.83 min Scan# 1669

Delta R.T. 0.00 min

Lab File: VR025682.D

Acq: 7 Sep 2018 10:06

Instrument :

MSVOA_R

ClientSampleId :

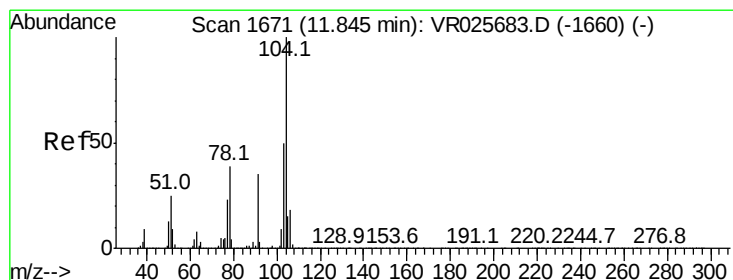
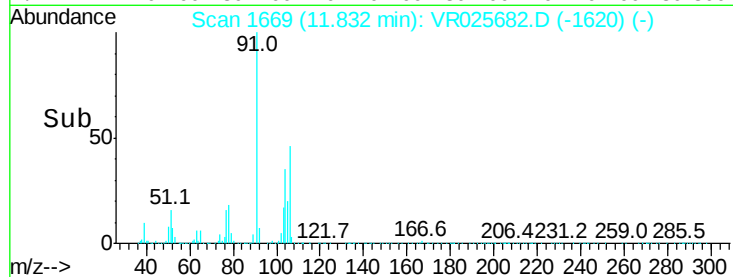
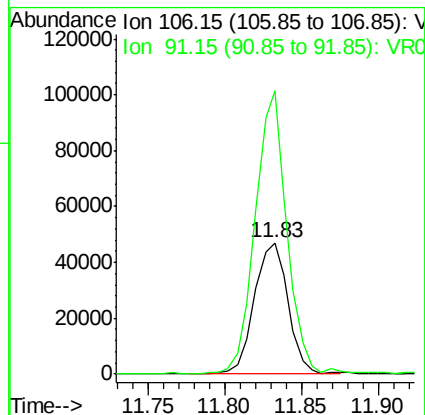
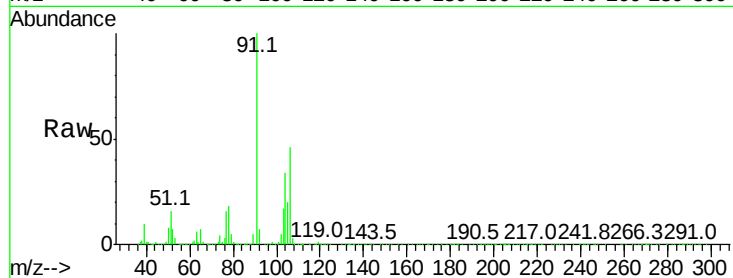
VSTD00192

Tgt Ion:106 Resp: 72069

Ion Ratio Lower Upper

106 100

91 215.4 139.2 258.6



#55

Styrene

Concen: 0.926 ug/L

RT: 11.84 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VR025682.D

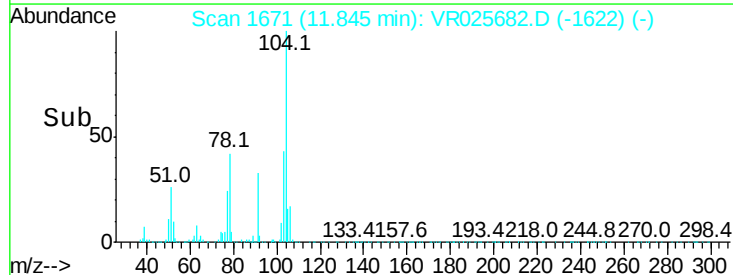
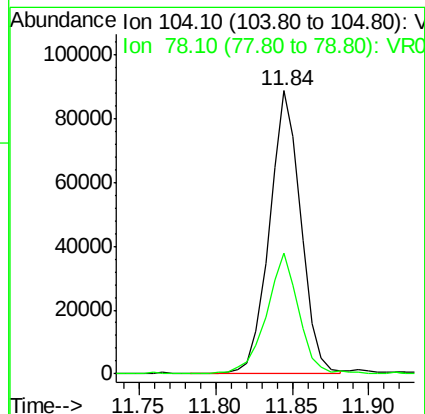
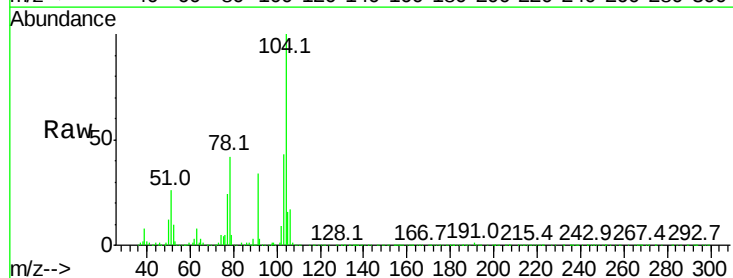
Acq: 7 Sep 2018 10:06

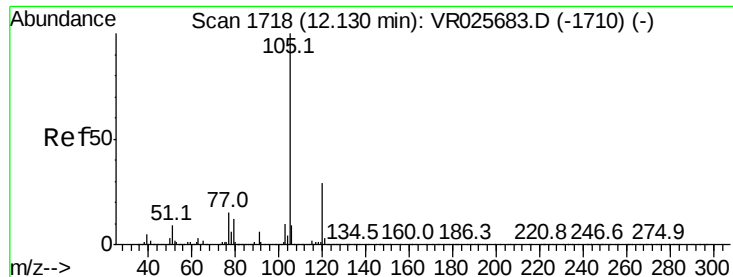
Tgt Ion:104 Resp: 126170

Ion Ratio Lower Upper

104 100

78 42.5 27.6 51.2





#56

Isopropylbenzene

Concen: 0.848 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR025682.D

Acq: 7 Sep 2018 10:06

Instrument :

MSVOA_R

ClientSampleId :

VSTD00192

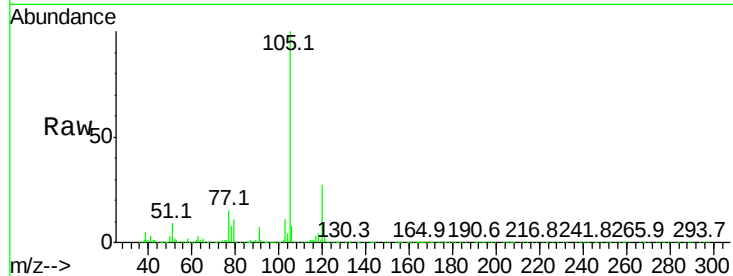
Tgt Ion:105 Resp: 181194

Ion Ratio Lower Upper

105 100

120 28.2 22.8 34.2

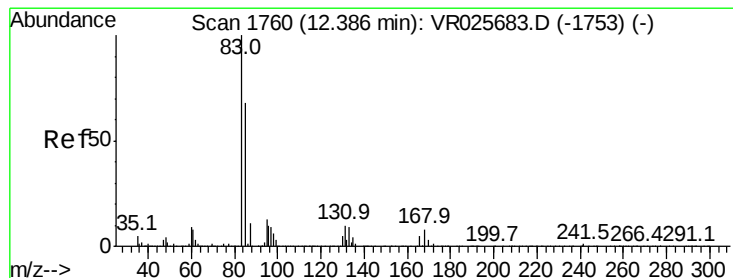
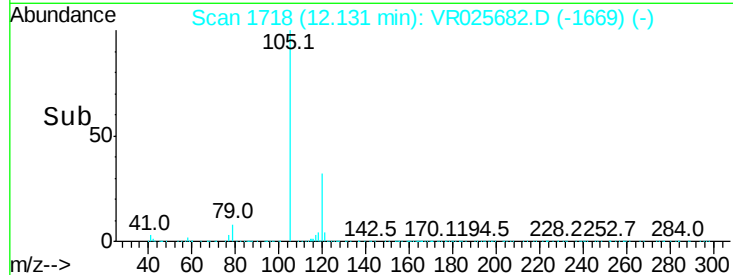
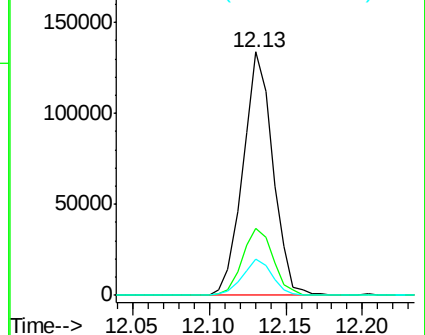
77 15.1 11.8 17.8



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: 0.968 ug/L

RT: 12.38 min Scan# 1759

Delta R.T. -0.01 min

Lab File: VR025682.D

Acq: 7 Sep 2018 10:06

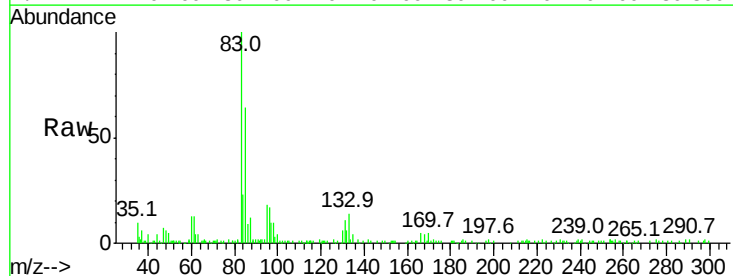
Tgt Ion: 83 Resp: 21850

Ion Ratio Lower Upper

83 100

85 64.5 47.9 88.9

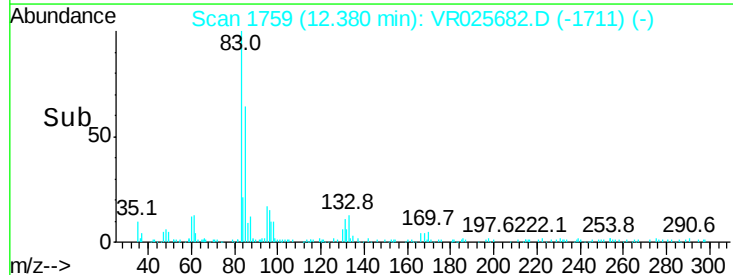
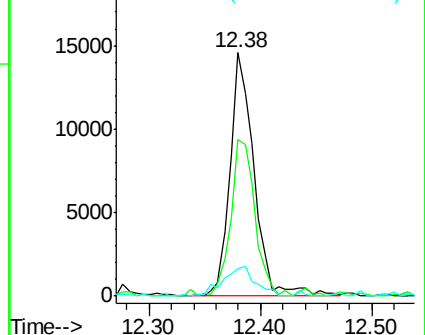
131 11.0 8.2 12.4

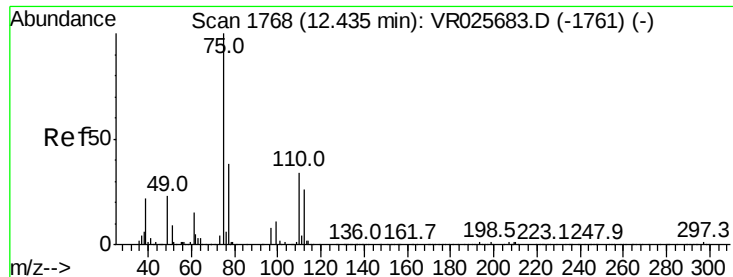


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 1.022 ug/L

RT: 12.43 min Scan# 1767

Delta R.T. -0.01 min

Lab File: VR025682.D

Acq: 7 Sep 2018 10:06

Instrument :

MSVOA_R

ClientSampleId :

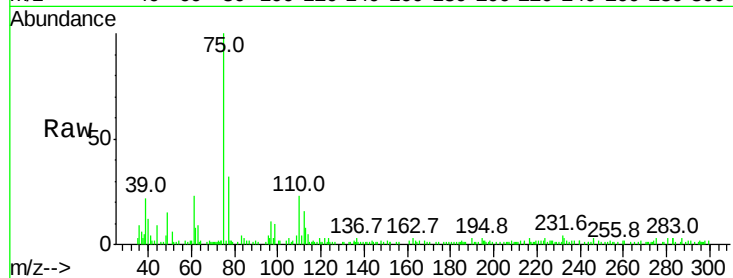
VSTD00192

Tgt Ion: 75 Resp: 15691

Ion Ratio Lower Upper

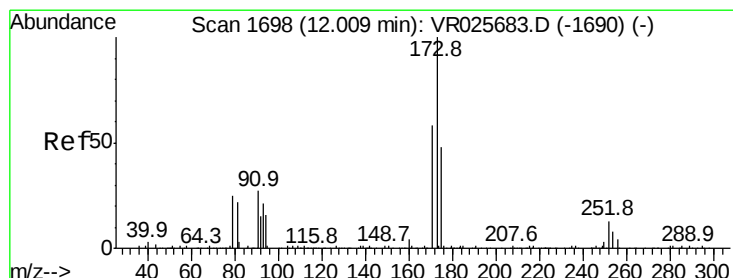
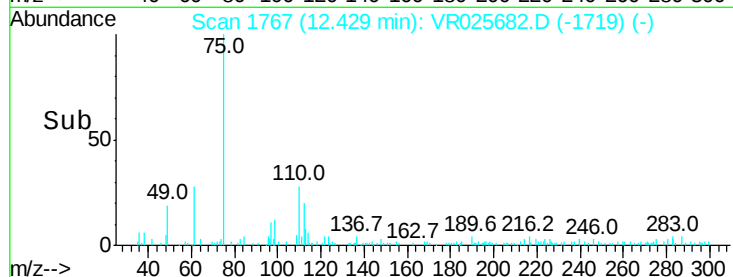
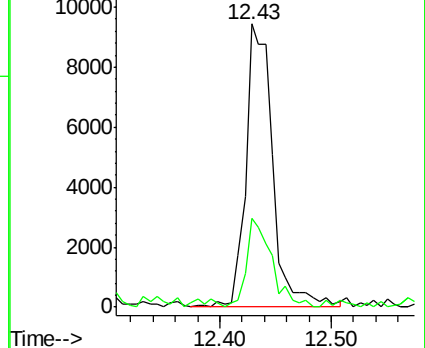
75 100

77 29.6 27.8 41.8



Abundance Ion 75.00 (74.70 to 75.70): VR0

Ion 77.00 (76.70 to 77.70): VR0



#61

Bromoform

Concen: 1.080 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VR025682.D

Acq: 7 Sep 2018 10:06

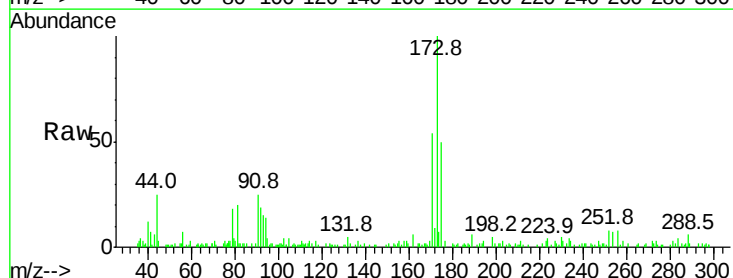
Tgt Ion: 173 Resp: 9846

Ion Ratio Lower Upper

173 100

175 50.8 41.9 62.9

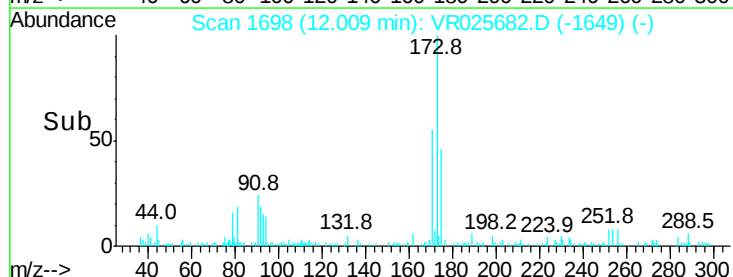
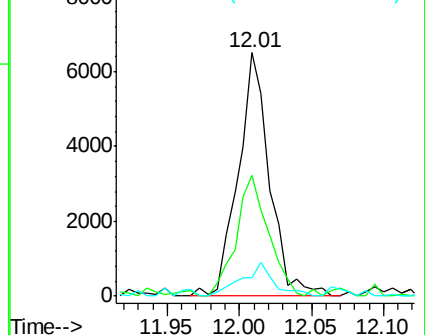
254 13.9 7.3 10.9#

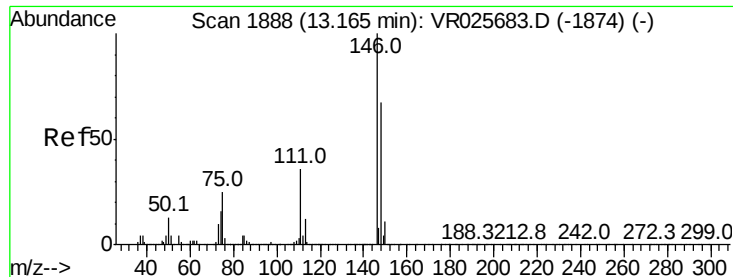


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V





#62

1,3-Dichlorobenzene

Concen: 0.943 ug/L

RT: 13.16 min Scan# 1887

Delta R.T. -0.01 min

Lab File: VR025682.D

Acq: 7 Sep 2018 10:06

Instrument :

MSVOA_R

ClientSampleId :

VSTD00192

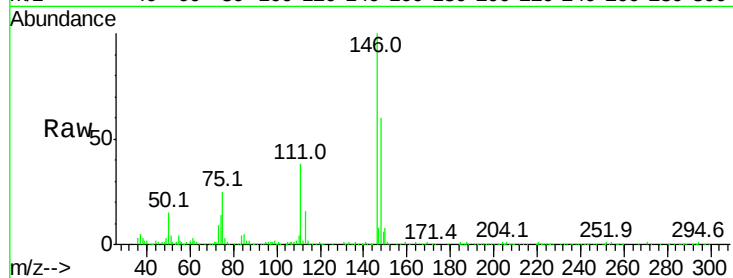
Tgt Ion:146 Resp: 66142

Ion Ratio Lower Upper

146 100

111 38.1 25.4 47.2

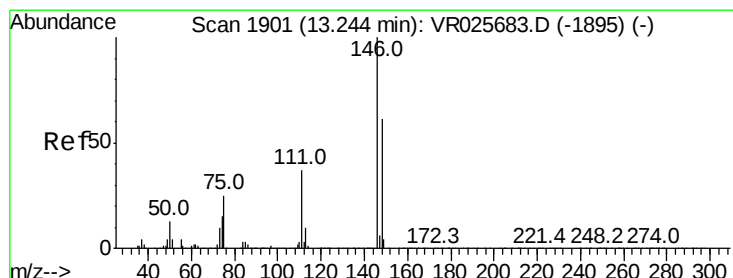
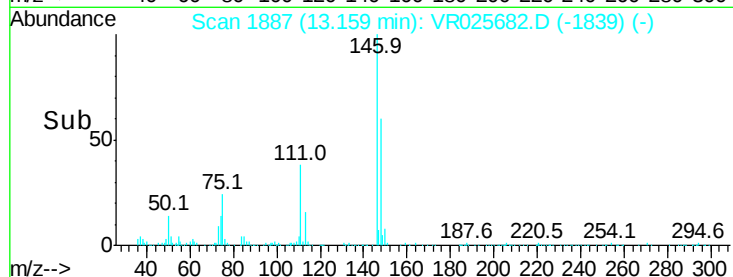
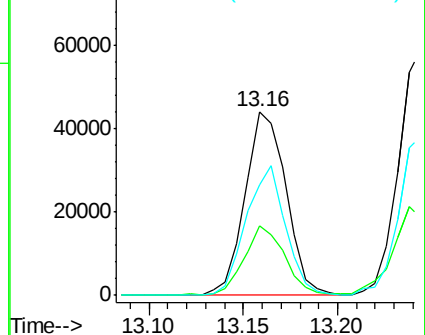
148 60.5 46.9 87.1



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: 1.054 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VR025682.D

Acq: 7 Sep 2018 10:06

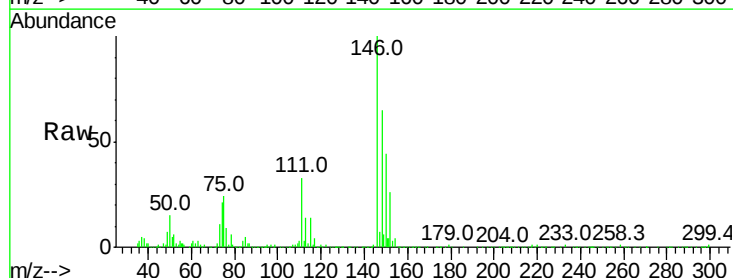
Tgt Ion:146 Resp: 82079

Ion Ratio Lower Upper

146 100

111 32.8 26.2 48.6

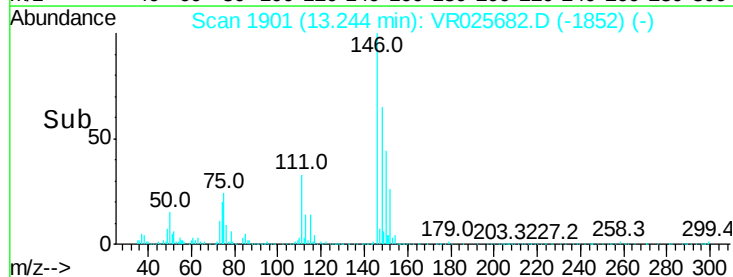
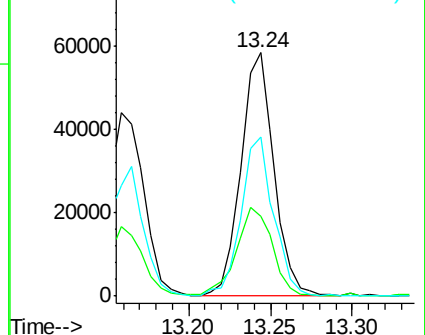
148 65.4 42.7 79.3

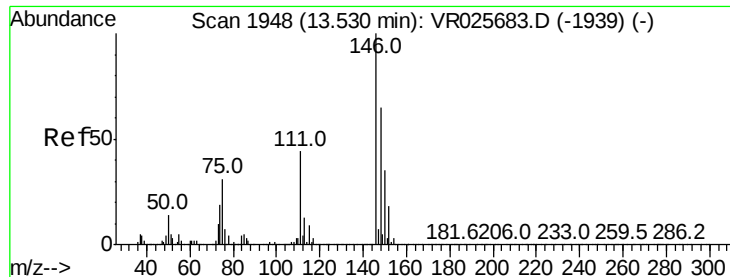


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 1.014 ug/L

RT: 13.53 min Scan# 1948

Delta R.T. 0.00 min

Lab File: VR025682.D

Acq: 7 Sep 2018 10:06

Instrument :

MSVOA_R

ClientSampled :

VSTD00192

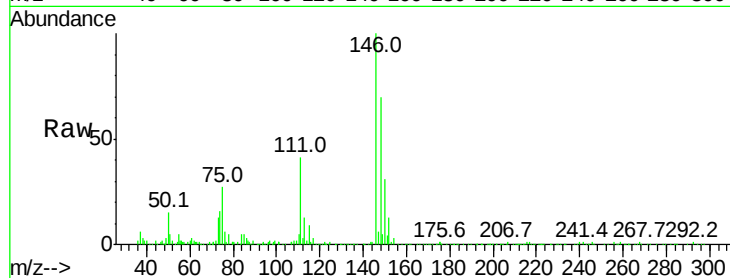
Tgt Ion:146 Resp: 61248

Ion Ratio Lower Upper

146 100

111 40.8 35.2 52.8

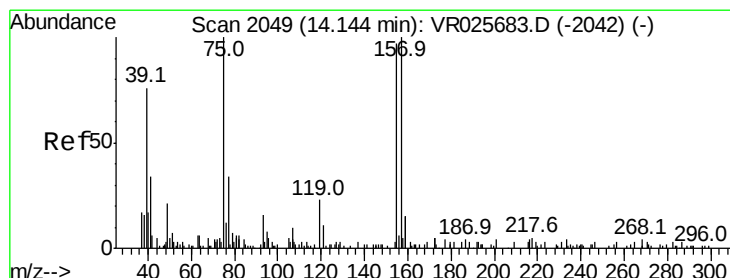
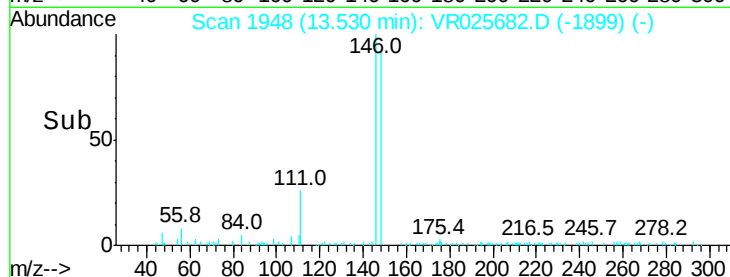
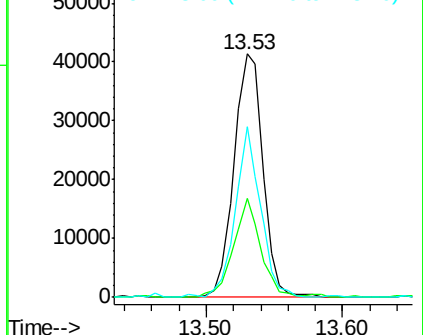
148 70.0 52.1 78.1



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



#66

1,2-Dibromo-3-chloropropane

Concen: 1.210 ug/L

RT: 14.14 min Scan# 2048

Delta R.T. -0.01 min

Lab File: VR025682.D

Acq: 7 Sep 2018 10:06

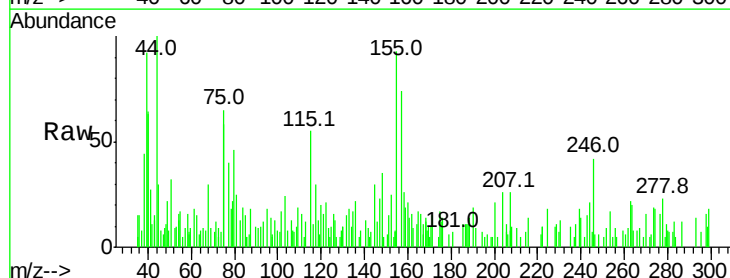
Tgt Ion: 75 Resp: 1977

Ion Ratio Lower Upper

75 100

155 75.9 79.3 118.9#

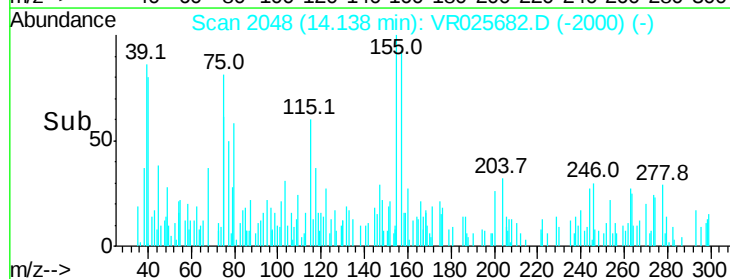
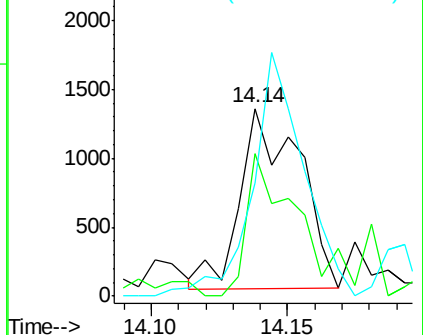
157 60.6 81.4 122.2#

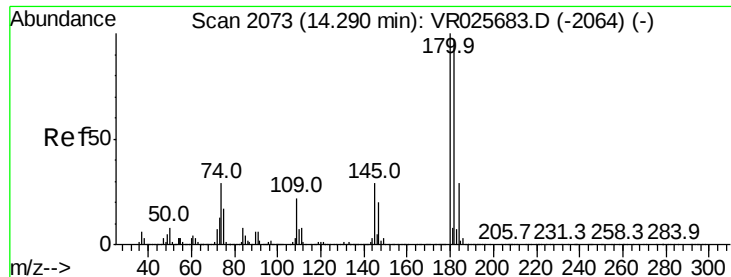


Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

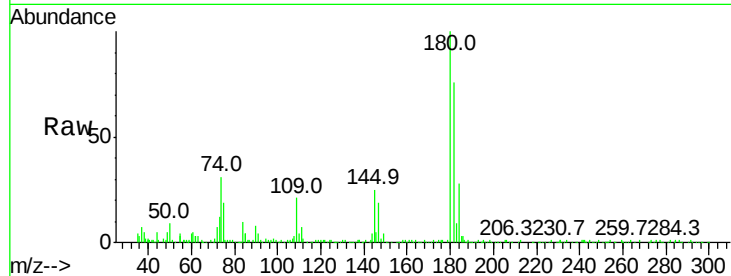




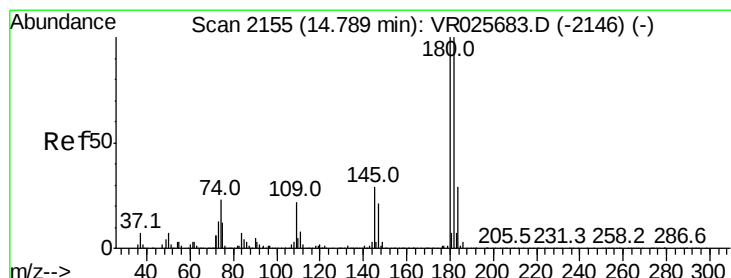
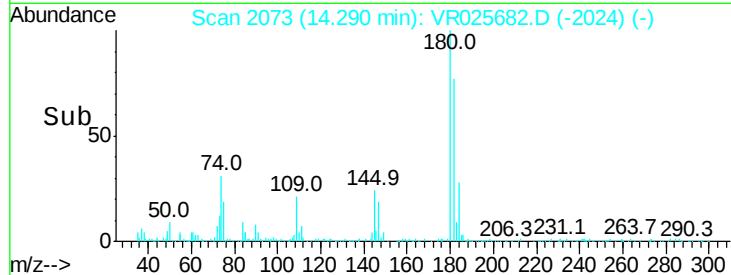
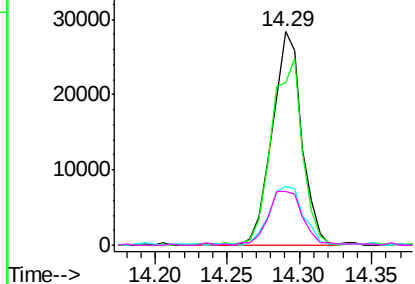
#67
 1,3,5-Trichlorobenzene
 Concen: 1.026 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VR025682.D
 Acq: 7 Sep 2018 10:06

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00192

Tgt Ion:	180	Resp:	40652
Ion Ratio	Lower	Upper	
180	100		
182	90.5	75.9	113.9
184	31.4	24.0	36.0
145	29.8	23.0	34.4

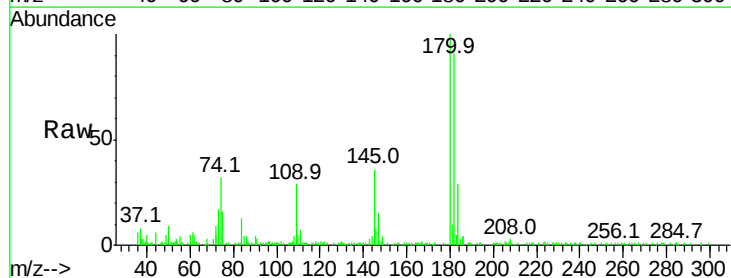


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

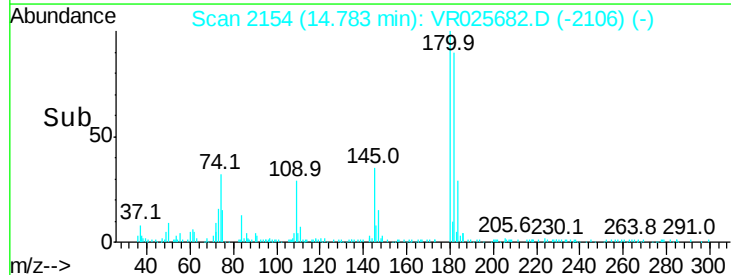
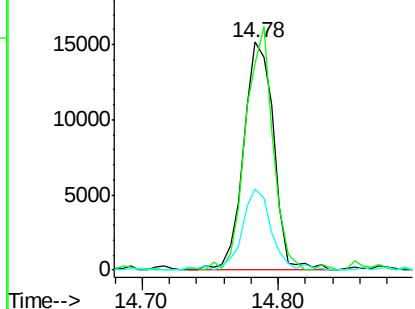


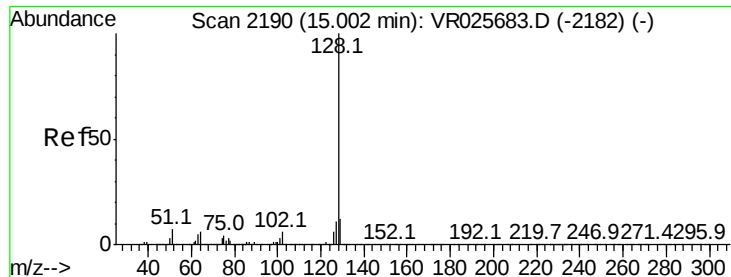
#68
 1,2,4-trichlorobenzene
 Concen: 0.957 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. -0.01 min
 Lab File: VR025682.D
 Acq: 7 Sep 2018 10:06

Tgt Ion:	180	Resp:	23531
Ion Ratio	Lower	Upper	
180	100		
182	96.5	76.6	115.0
145	35.2	24.8	37.2



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: 0.663 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VR025682.D

Acq: 7 Sep 2018 10:06

Instrument :

MSVOA_R

ClientSampleId :

VSTD00192

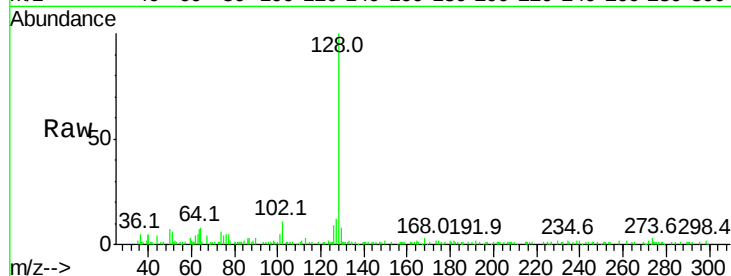
Tgt Ion:128 Resp: 20138

Ion Ratio Lower Upper

128 100

127 14.5 10.3 15.5

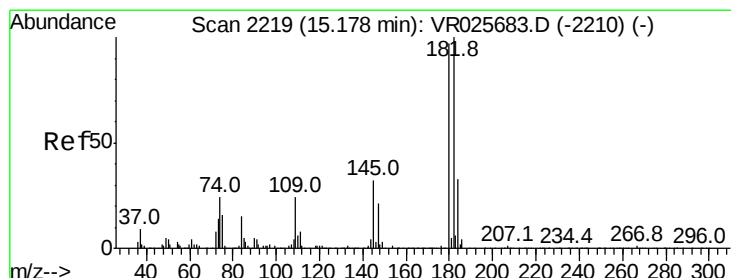
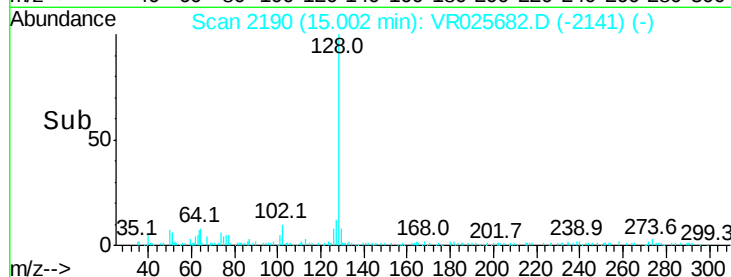
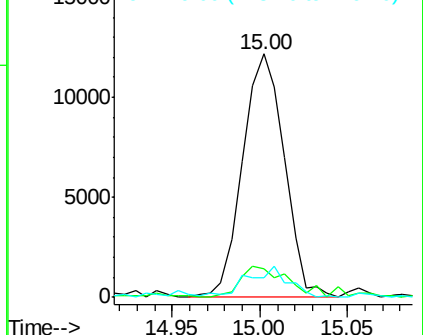
129 12.7 9.0 13.6



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: 0.870 ug/L

RT: 15.18 min Scan# 2220

Delta R.T. 0.01 min

Lab File: VR025682.D

Acq: 7 Sep 2018 10:06

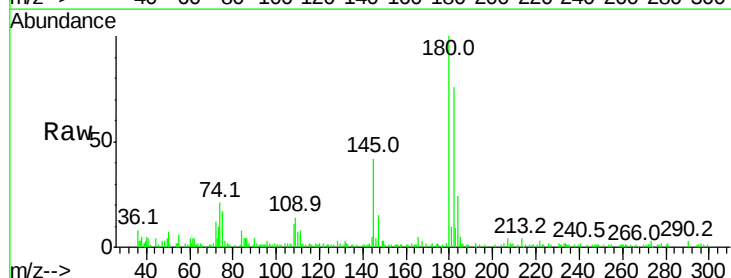
Tgt Ion:180 Resp: 16632

Ion Ratio Lower Upper

180 100

182 104.8 80.2 120.4

145 39.8 25.8 38.6#



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

