

Data File : VR025300.D
Acq On : 15 Jun 2018 15:05
Operator : SY/MD
Sample : VSTD02087
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD02087

Quant Time: Jun 15 15:35:31 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR061518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 15 14:32:01 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	806550	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	634564	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	238136	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	497202	15.05	ug/L	0.01
7) Chloroethane-d5	2.63	69	355895	14.51	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.64	63	1278784	15.18	ug/L	0.00
20) 2-Butanone-d5	6.59	46	1490659	217.47	ug/L	0.00
24) Chloroform-d	7.20	84	1960180	20.41	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.89	65	752158	19.49	ug/L	0.00
32) Benzene-d6	7.86	84	4084941	20.73	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.90	67	1170667	20.06	ug/L	0.00
41) Toluene-d8	9.97	98	3585811	20.19	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	367593	25.37	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	1182333	233.15	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	478702	19.57	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.51	152	764870	20.81	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	917481	16.483	ug/L	100
3) Chloromethane	2.02	50	634686	13.048	ug/L	96
5) Vinyl chloride	2.17	62	580156	13.310	ug/L	99
6) Bromomethane	2.53	94	299873	13.501	ug/L	98
8) Chloroethane	2.67	64	304081	12.962	ug/L	97
9) Trichlorofluoromethane	2.99	101	640544	10.928	ug/L	# 66
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	480530	13.691	ug/L	98
12) 1,1-Dichloroethene	3.66	96	494912	13.921	ug/L	91
13) Acetone	3.70	43	605296	143.623	ug/L	99
14) Carbon disulfide	3.97	76	1278294	14.283	ug/L	98
15) Methyl Acetate	4.19	43	140763	13.585	ug/L	98
16) Methylene chloride	4.41	84	443415	12.748	ug/L	88
17) Methyl tert-butyl Ether	4.90	73	1658133	20.653	ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	1138574	17.924	ug/L	95
19) 1,1-Dichloroethane	5.69	63	2104533	19.139	ug/L	99
21) 2-Butanone	6.69	43	1520724	182.046	ug/L	100
22) cis-1,2-Dichloroethene	6.68	96	1154283	19.167	ug/L	# 99
23) Bromochloromethane	7.05	128	333474	18.708	ug/L	93
25) Chloroform	7.23	83	1906933	18.932	ug/L	100
27) 1,2-Dichloroethane	8.00	62	861976	18.351	ug/L	# 91
29) 1,1,1-Trichloroethane	7.43	97	1531702	22.497	ug/L	98
30) Cyclohexane	7.52	56	1817672	19.423	ug/L	99
31) Carbon tetrachloride	7.64	117	1367626	22.559	ug/L	99
33) Benzene	7.91	78	4468873	18.208	ug/L	100
34) Trichloroethene	8.71	95	1158843	20.286	ug/L	99
35) Methylcyclohexane	8.96	83	1780665	18.926	ug/L	99
37) 1,2-Dichloropropane	8.99	63	1055076	18.488	ug/L	99
38) Bromodichloromethane	9.28	83	1130876	21.848	ug/L	97
39) cis-1,3-Dichloropropene	9.72	75	1386053	22.731	ug/L	97
40) 4-Methyl-2-pentanone	9.86	43	3373846	180.675	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.03	91	4372960	17.930	ug/L	98
44) trans-1,3-Dichloropropene	10.27	75	995954	23.226	ug/L	97
45) 1,1,2-Trichloroethane	10.44	97	487863	18.731	ug/L	97
47) Tetrachloroethene	10.52	164	763383	19.751	ug/L	97
48) 2-Hexanone	10.64	43	2221227	176.616	ug/L	97
49) Dibromochloromethane	10.78	129	551877	22.740	ug/L	100
50) 1,2-Dibromoethane	10.89	107	418142	20.240	ug/L	93
51) Chlorobenzene	11.31	112	2510688	18.302	ug/L	97
52) Ethylbenzene	11.39	91	4774011	18.211	ug/L	100
53) m,p-Xylene	11.50	106	1879354	19.342	ug/L	94
54) o-Xylene	11.83	106	1627573	18.553	ug/L	99
55) Styrene	11.85	104	2526637	17.704	ug/L	99
56) Isopropylbenzene	12.13	105	4423383	19.187	ug/L	97
58) 1,1,2,2-Tetrachloroethane	12.38	83	459256	18.241	ug/L	94
59) 1,2,3-Trichloropropane	12.44	75	327332	19.822	ug/L	97
61) Bromoform	12.01	173	206890	23.931	ug/L	97
62) 1,3-Dichlorobenzene	13.16	146	1607018	20.709	ug/L	100
63) 1,4-Dichlorobenzene	13.24	146	1541675	18.510	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	1250050	18.879	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.15	75	51114	19.917	ug/L	85
67) 1,3,5-Trichlorobenzene	14.29	180	1081964	21.789	ug/L	98
68) 1,2,4-trichlorobenzene	14.79	180	776271	23.346	ug/L	99
69) Naphthalene	15.00	128	1151330	26.810	ug/L	100
70) 1,2,3-Trichlorobenzene	15.18	180	596328	23.049	ug/L	99

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

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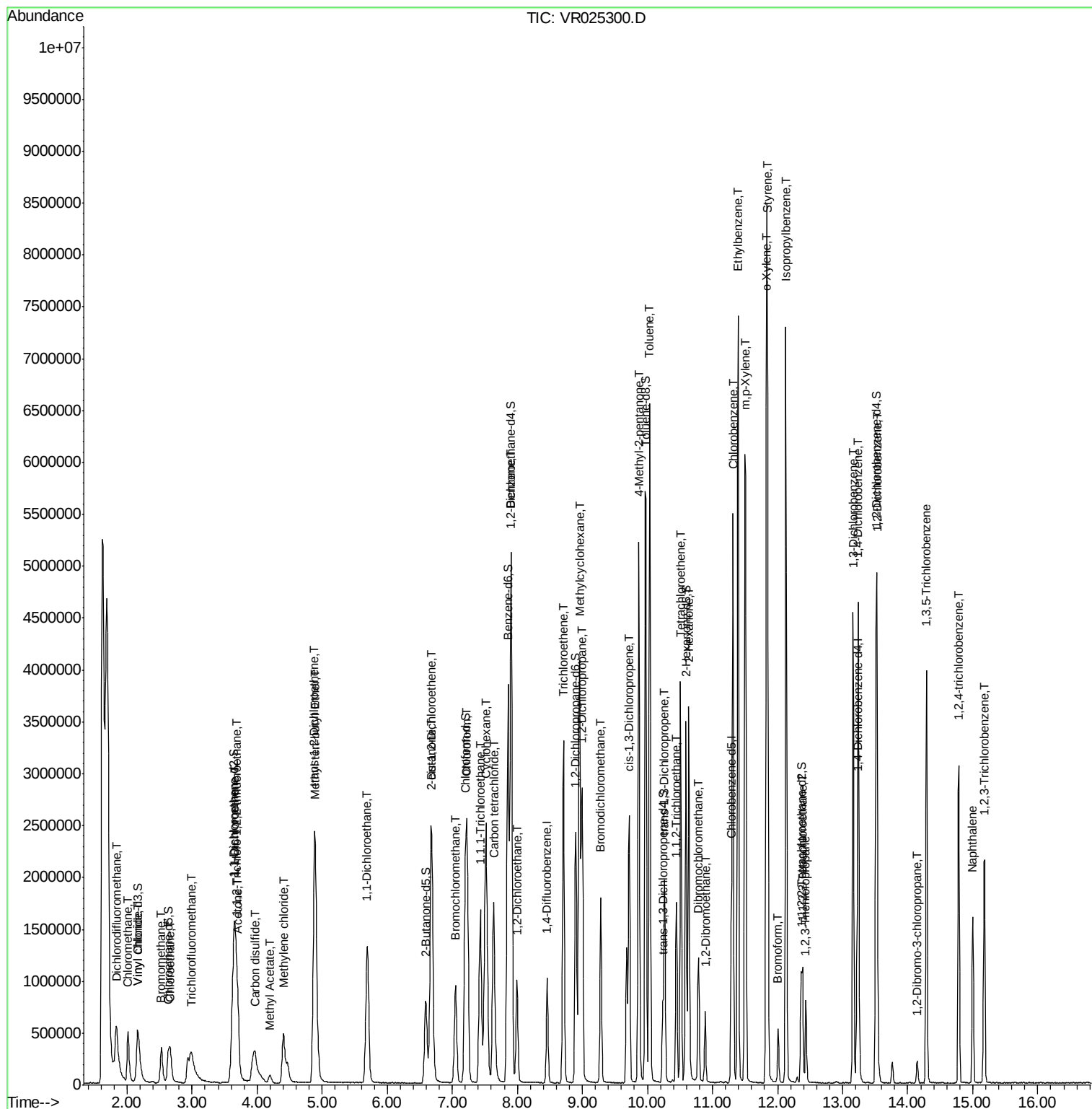
Quant Time: Jun 15 15:35:31 2018

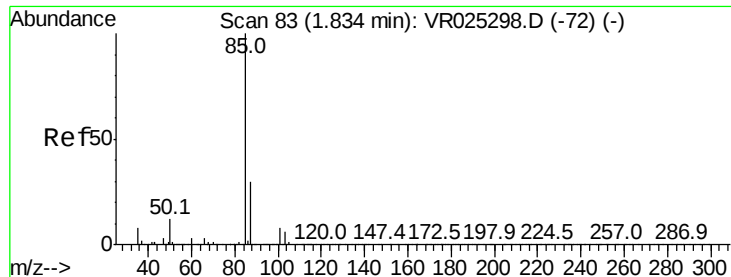
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_R\METHODS\SOMRTR061518WMA.M

Quant Title : TRACE VOA SOM01.0

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#2

Dichlorodifluoromethane

Concen: 16.483 ug/L

RT: 1.83 min Scan# 83

Delta R.T. 0.00 min

Lab File: VR025300.D

Acq: 15 Jun 2018 15:05

Instrument :

MSVOA_R

ClientSampleId :

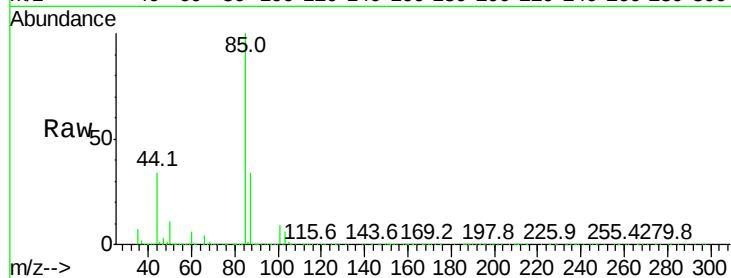
VSTD02087

Tgt Ion: 85 Resp: 917481

Ion Ratio Lower Upper

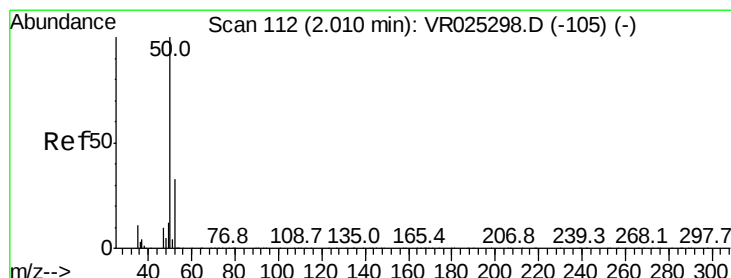
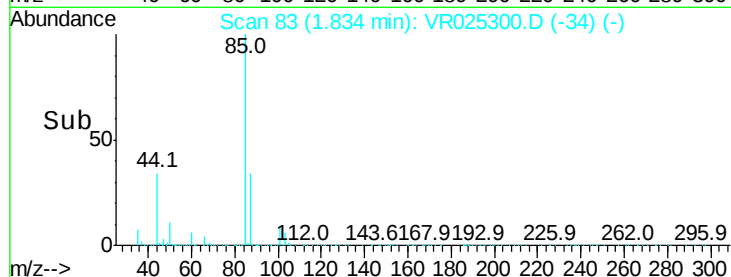
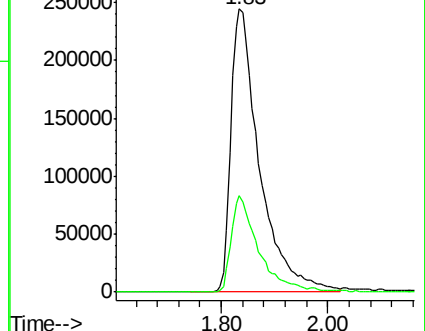
85 100

87 31.7 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: 13.048 ug/L

RT: 2.02 min Scan# 113

Delta R.T. 0.01 min

Lab File: VR025300.D

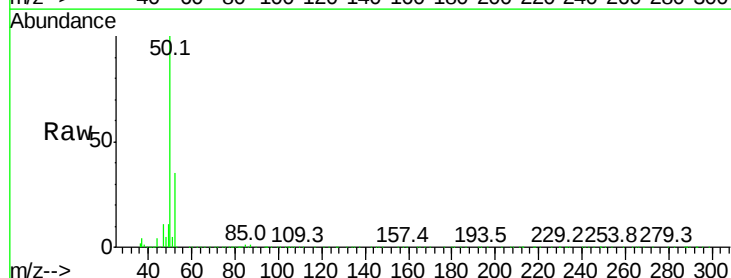
Acq: 15 Jun 2018 15:05

Tgt Ion: 50 Resp: 634686

Ion Ratio Lower Upper

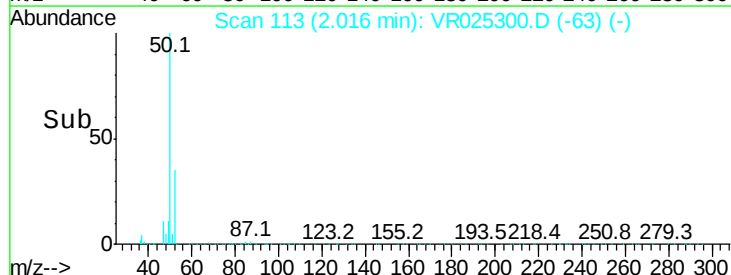
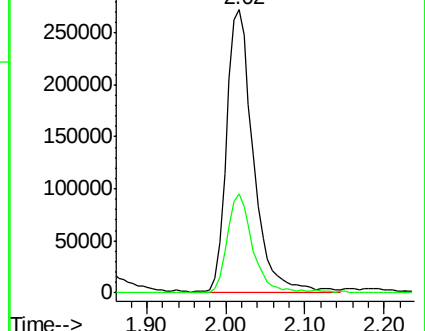
50 100

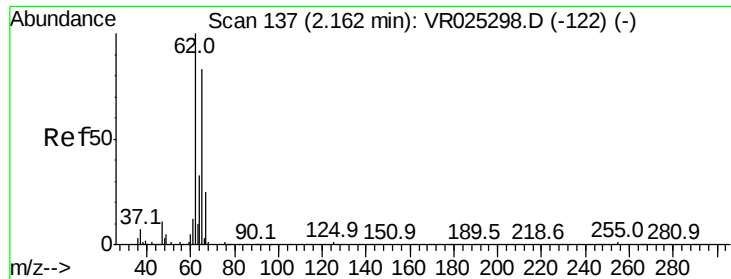
52 35.0 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 13.310 ug/L

RT: 2.17 min Scan# 138

Delta R.T. 0.01 min

Lab File: VR025300.D

Acq: 15 Jun 2018 15:05

Instrument :

MSVOA_R

ClientSampleId :

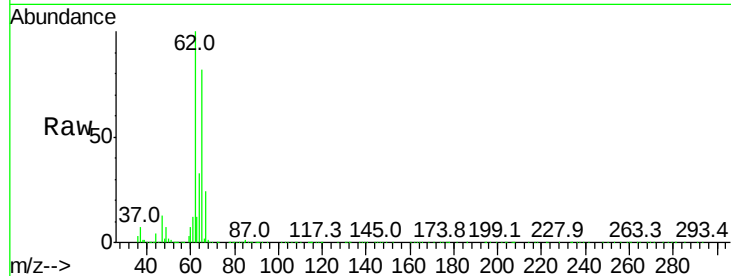
VSTD02087

Tgt Ion: 62 Resp: 580156

Ion Ratio Lower Upper

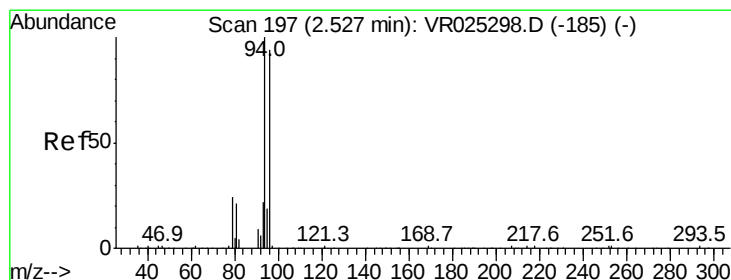
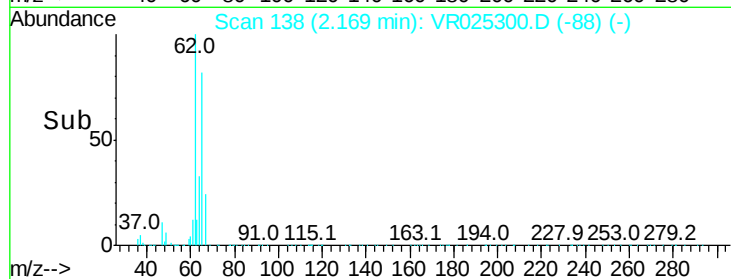
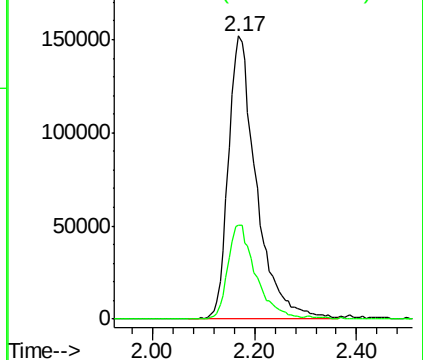
62 100

64 33.2 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 64.10 (63.80 to 64.80): VR0



#6

Bromomethane

Concen: 13.501 ug/L

RT: 2.53 min Scan# 197

Delta R.T. 0.00 min

Lab File: VR025300.D

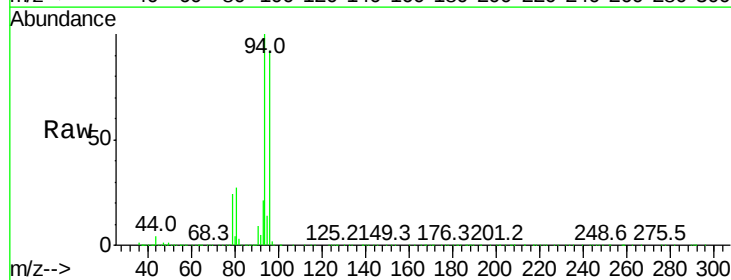
Acq: 15 Jun 2018 15:05

Tgt Ion: 94 Resp: 299873

Ion Ratio Lower Upper

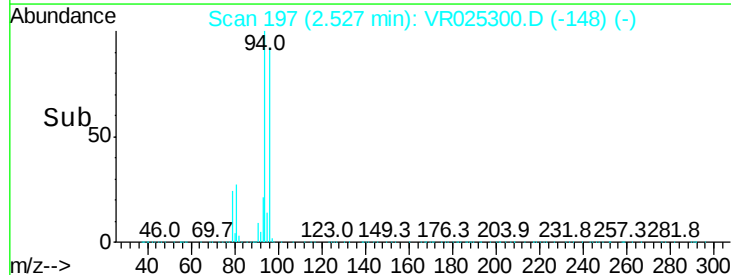
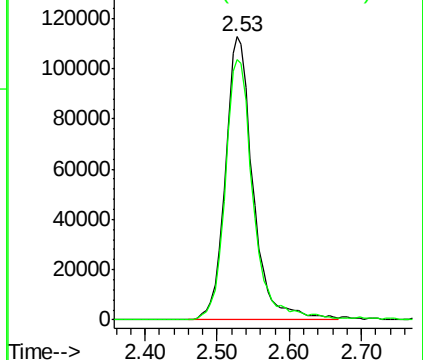
94 100

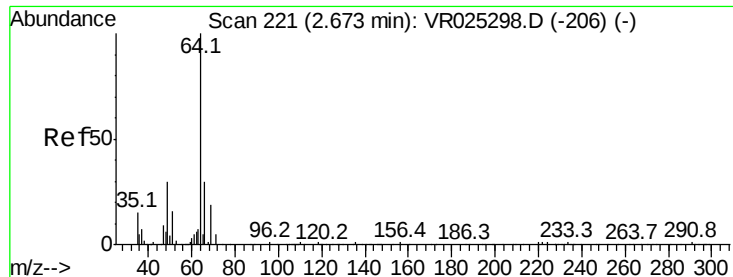
96 91.8 65.9 122.3



Abundance Ion 94.00 (93.70 to 94.70): VR0

Ion 96.00 (95.70 to 96.70): VR0





#8

Chloroethane

Concen: 12.962 ug/L

RT: 2.67 min Scan# 220

Delta R.T. -0.01 min

Lab File: VR025300.D

Acq: 15 Jun 2018 15:05

Instrument :

MSVOA_R

ClientSampleId :

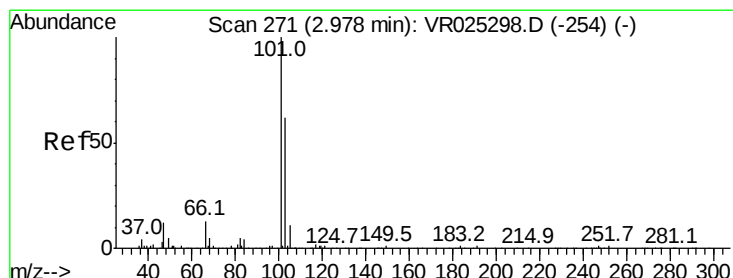
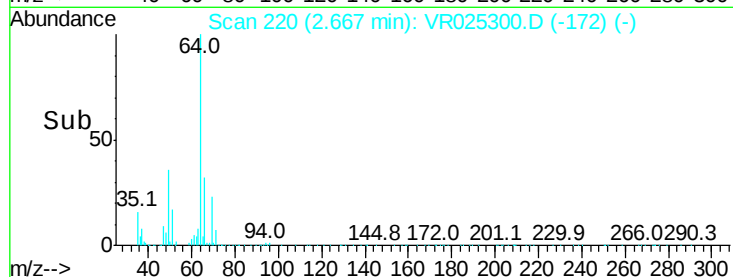
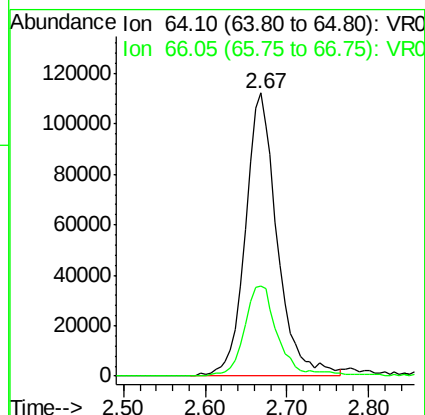
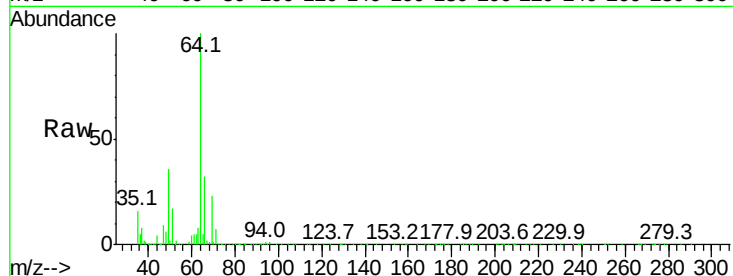
VSTD02087

Tgt Ion: 64 Resp: 304081

Ion Ratio Lower Upper

64 100

66 32.0 21.3 39.5



#9

Trichlorofluoromethane

Concen: 10.928 ug/L

RT: 2.99 min Scan# 273

Delta R.T. 0.01 min

Lab File: VR025300.D

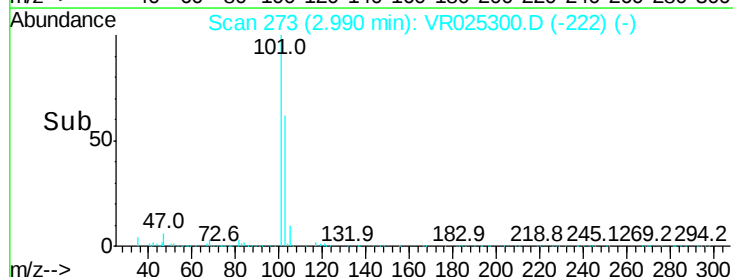
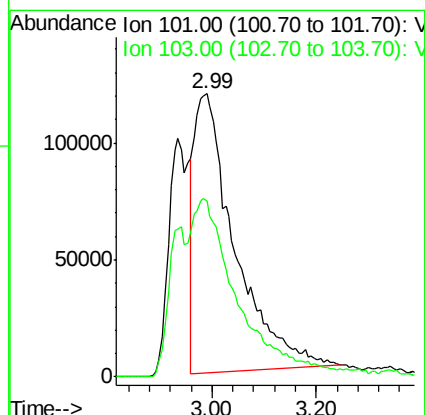
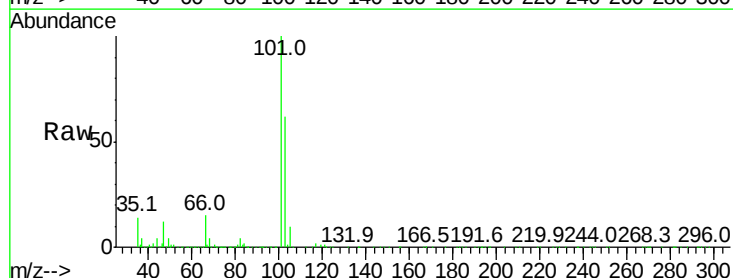
Acq: 15 Jun 2018 15:05

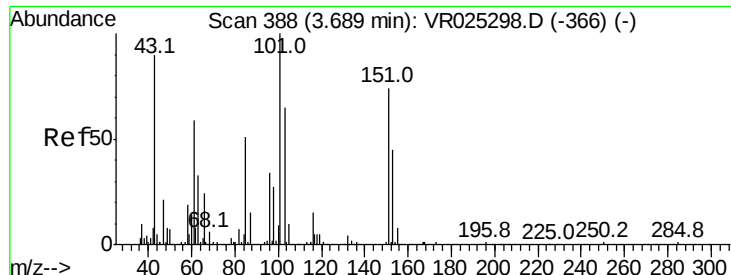
Tgt Ion: 101 Resp: 640544

Ion Ratio Lower Upper

101 100

103 0.0 11.0 16.4#





#10

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

Concen: 13.691 ug/L

RT: 3.69 min Scan# 388

Delta R.T. 0.00 min

Lab File: VR025300.D

Acq: 15 Jun 2018 15:05

Instrument :

MSVOA_R

ClientSampleId :

VSTD02087

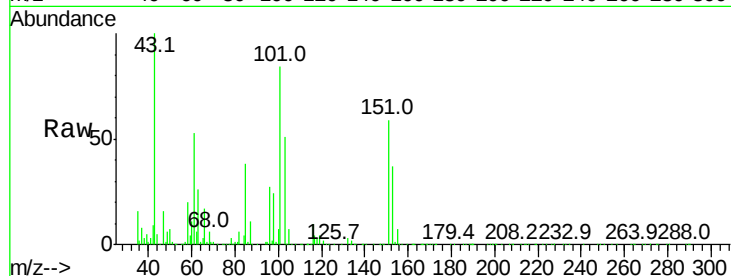
Tgt Ion: 101 Resp: 480530

Ion Ratio Lower Upper

101 100

85 49.5 39.1 58.7

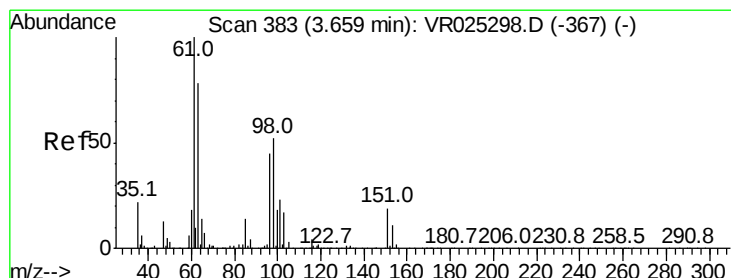
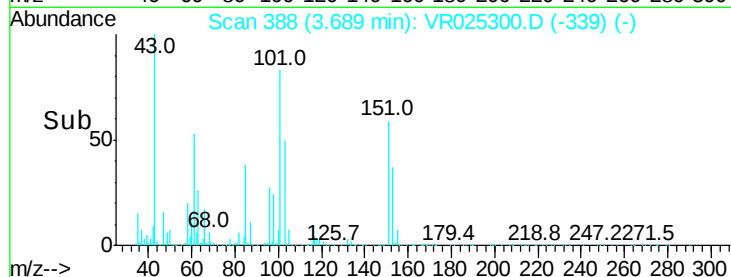
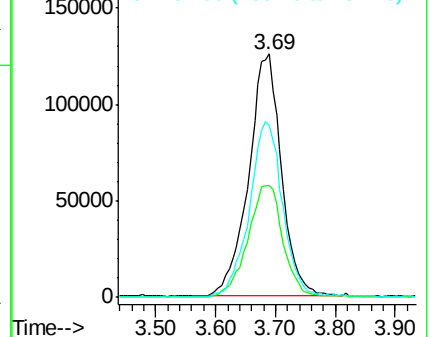
151 74.0 57.5 86.3



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: 13.921 ug/L

RT: 3.66 min Scan# 383

Delta R.T. 0.00 min

Lab File: VR025300.D

Acq: 15 Jun 2018 15:05

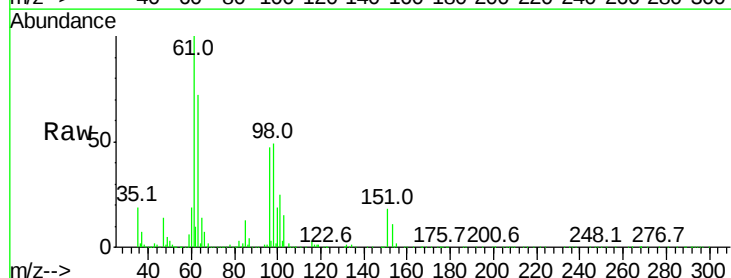
Tgt Ion: 96 Resp: 494912

Ion Ratio Lower Upper

96 100

61 214.0 155.0 287.9

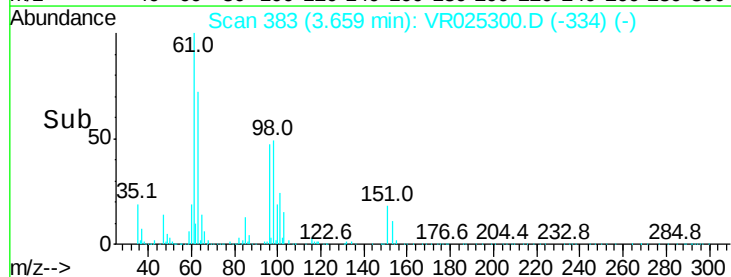
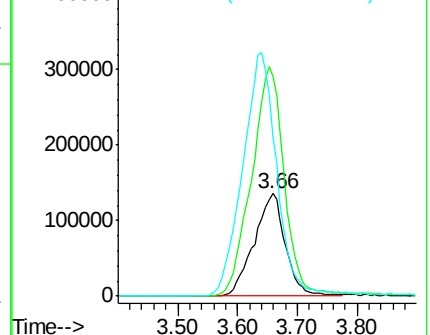
63 153.9 122.3 227.1

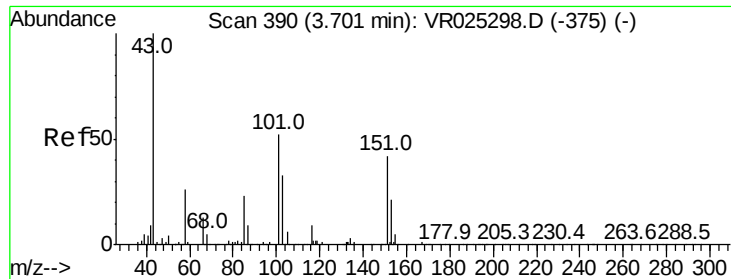


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0

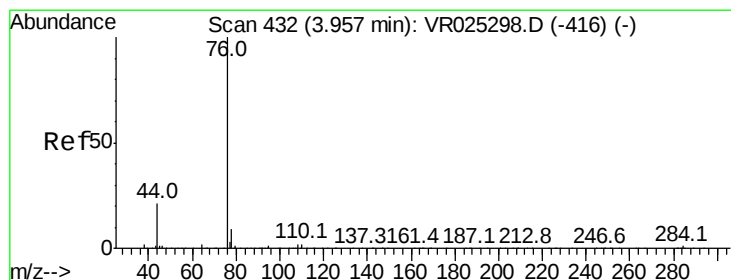
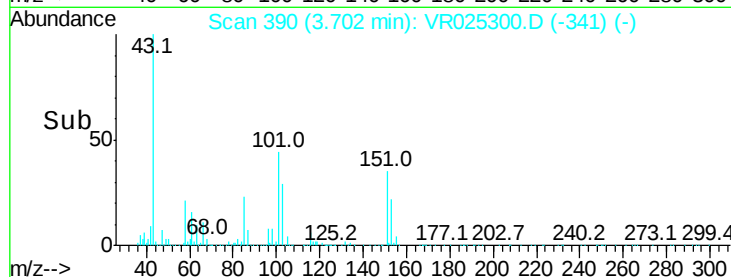
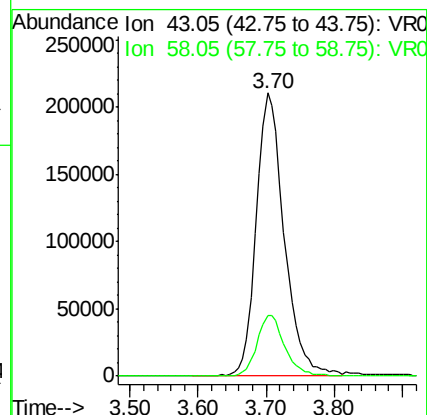
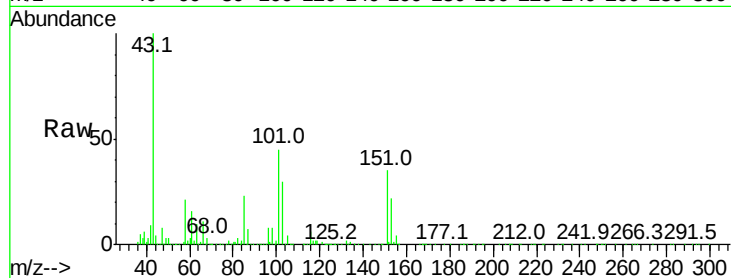




#13
Acetone
Concen: 143.623 ug/L
RT: 3.70 min Scan# 390
Delta R.T. 0.00 min
Lab File: VR025300.D
Acq: 15 Jun 2018 15:05

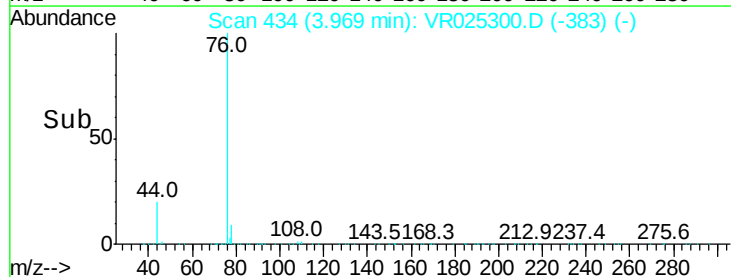
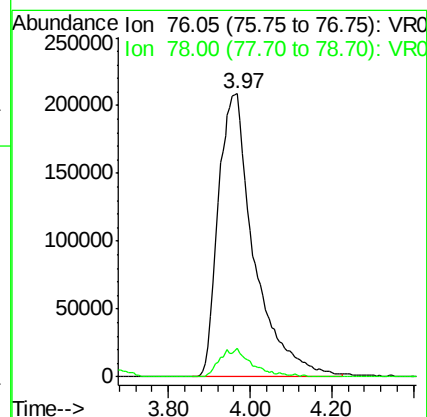
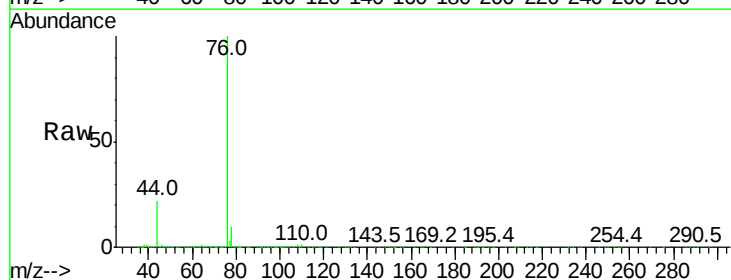
Instrument :
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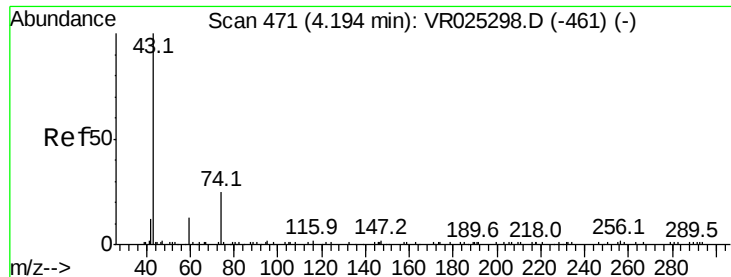
Tgt Ion: 43 Resp: 605296
Ion Ratio Lower Upper
43 100
58 21.2 0.0 41.6



#14
Carbon disulfide
Concen: 14.283 ug/L
RT: 3.97 min Scan# 434
Delta R.T. 0.01 min
Lab File: VR025300.D
Acq: 15 Jun 2018 15:05

Tgt Ion: 76 Resp: 1278294
Ion Ratio Lower Upper
76 100
78 10.1 7.4 11.2

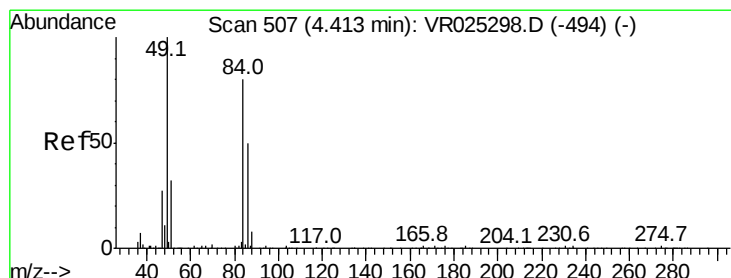
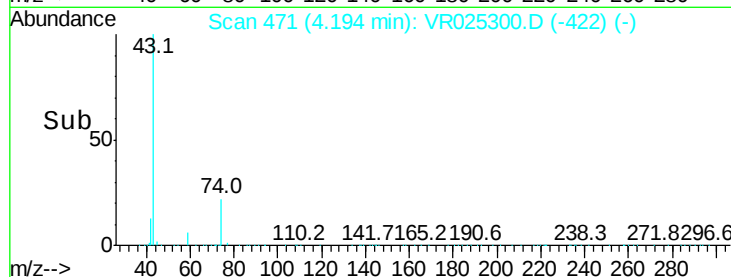
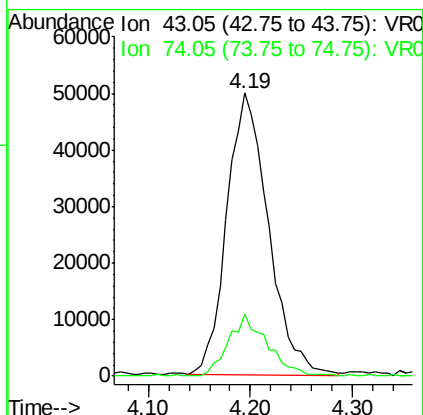
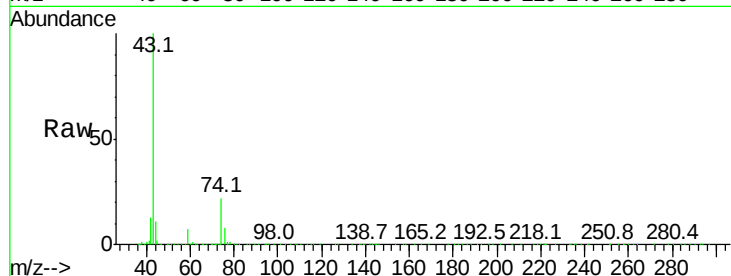




#15
Methyl Acetate
Concen: 13.585 ug/L
RT: 4.19 min Scan# 471
Delta R.T. 0.00 min
Lab File: VR025300.D
Acq: 15 Jun 2018 15:05

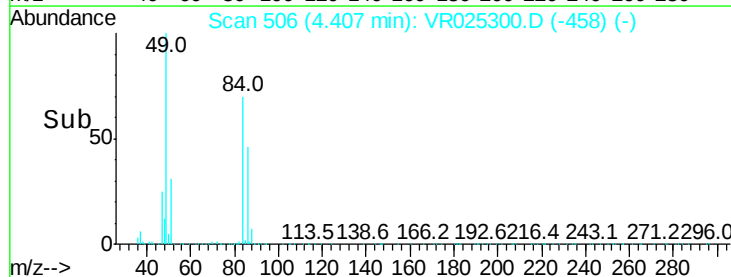
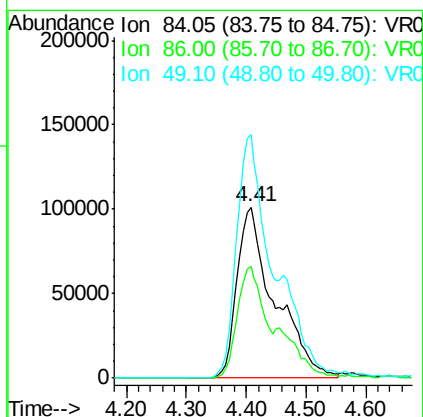
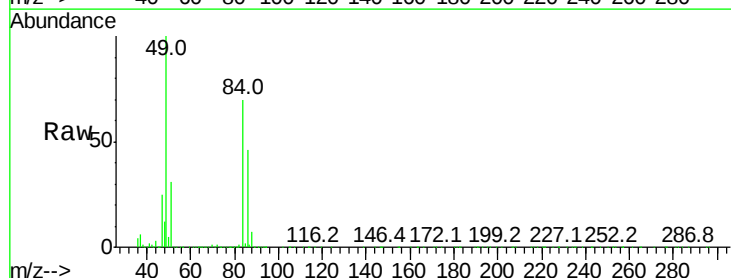
Instrument :
MSVOA_R
ClientSampleId :
VSTD02087

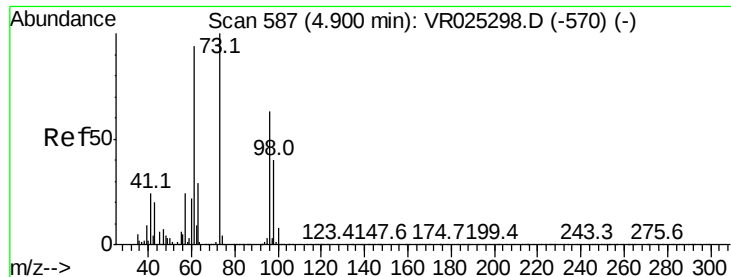
Tgt Ion: 43 Resp: 140763
Ion Ratio Lower Upper
43 100
74 20.2 16.7 25.1



#16
Methylene chloride
Concen: 12.748 ug/L
RT: 4.41 min Scan# 506
Delta R.T. -0.01 min
Lab File: VR025300.D
Acq: 15 Jun 2018 15:05

Tgt Ion: 84 Resp: 443415
Ion Ratio Lower Upper
84 100
86 65.7 43.7 81.1
49 142.3 87.2 162.0





#17

Methyl tert-butyl Ether

Concen: 20.653 ug/L

RT: 4.90 min Scan# 587

Delta R.T. 0.00 min

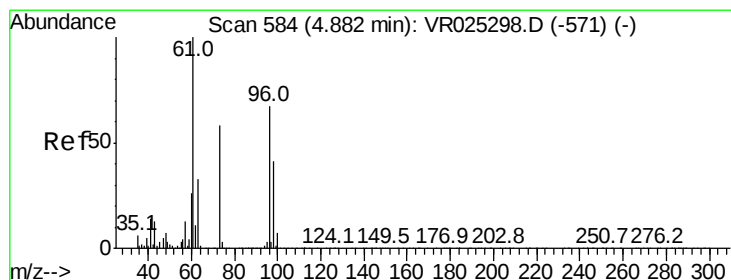
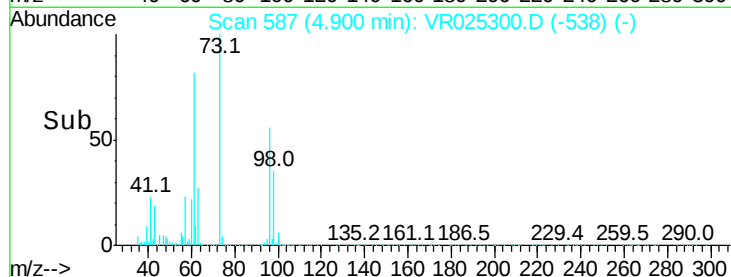
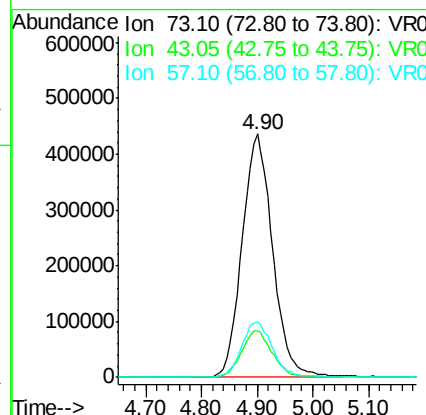
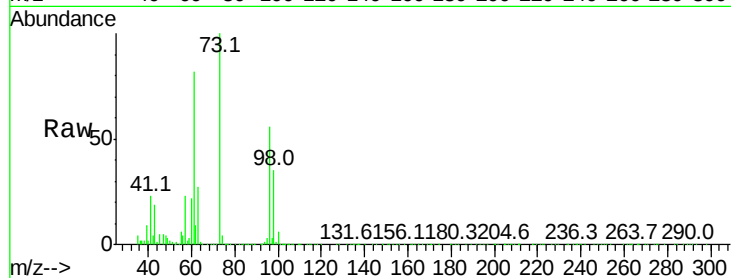
Lab File: VR025300.D

Acq: 15 Jun 2018 15:05

Instrument :
MSVOA_R
ClientSampleId :
VSTD02087

Tgt Ion: 73 Resp: 1658133

Ion	Ratio	Lower	Upper
73	100		
43	19.1	15.8	23.6
57	23.0	19.0	28.4



#18

trans-1,2-Dichloroethene

Concen: 17.924 ug/L

RT: 4.88 min Scan# 584

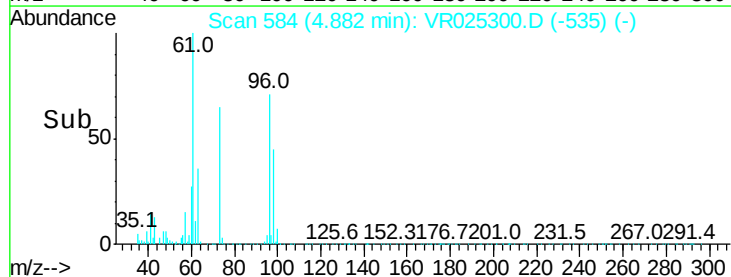
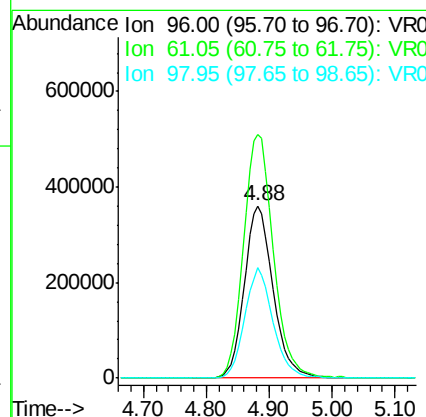
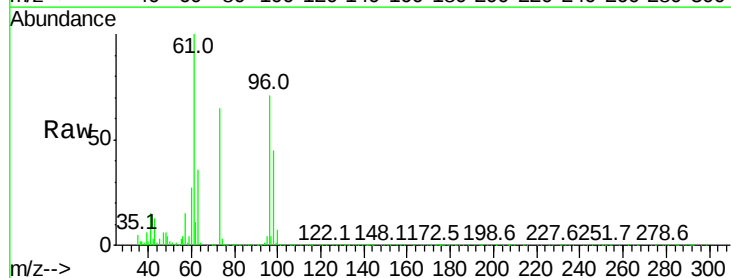
Delta R.T. 0.00 min

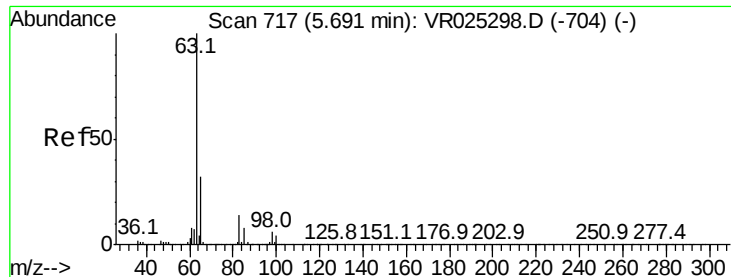
Lab File: VR025300.D

Acq: 15 Jun 2018 15:05

Tgt Ion: 96 Resp: 1138574

Ion	Ratio	Lower	Upper
96	100		
61	141.5	104.4	193.8
98	64.4	43.1	80.1



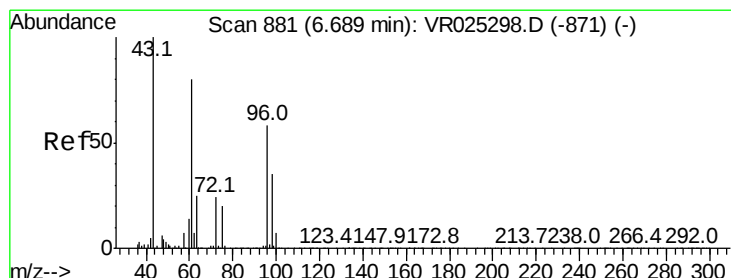
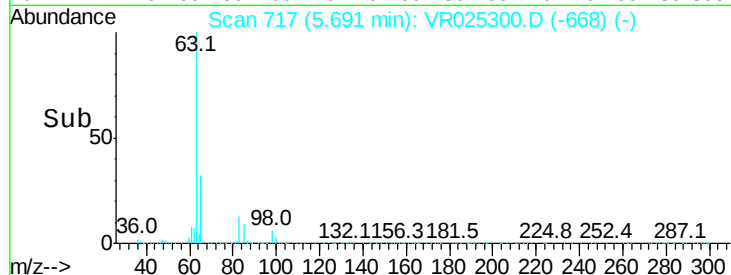
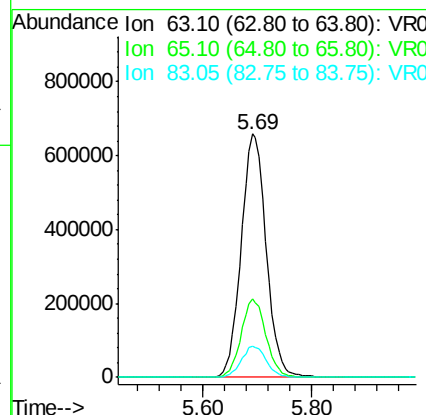
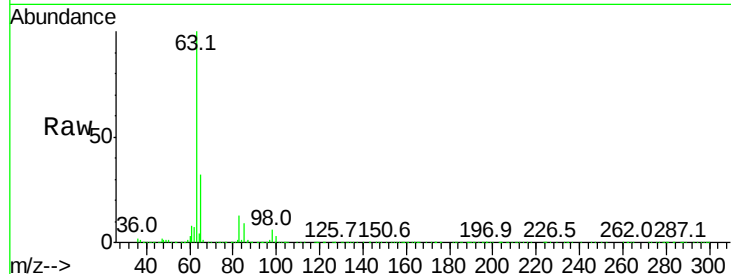


#19
 1,1-Dichloroethane
 Concen: 19.139 ug/L
 RT: 5.69 min Scan# 717
 Delta R.T. 0.00 min
 Lab File: VR025300.D
 Acq: 15 Jun 2018 15:05

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02087

Tgt Ion: 63 Resp: 2104533

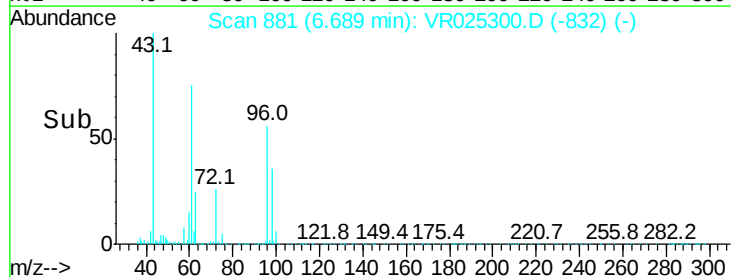
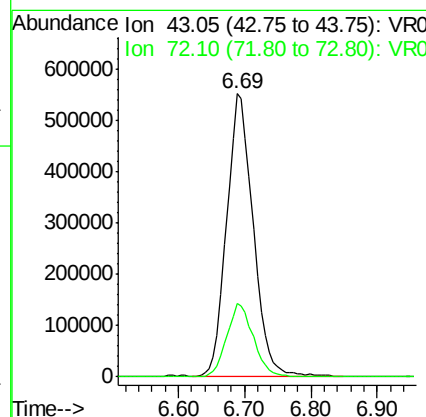
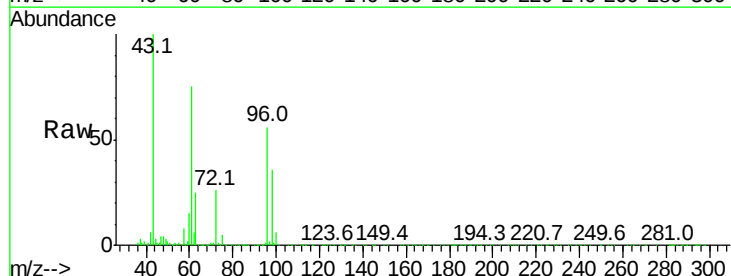
Ion	Ratio	Lower	Upper
63	100		
65	32.0	22.5	41.7
83	12.9	9.5	17.7

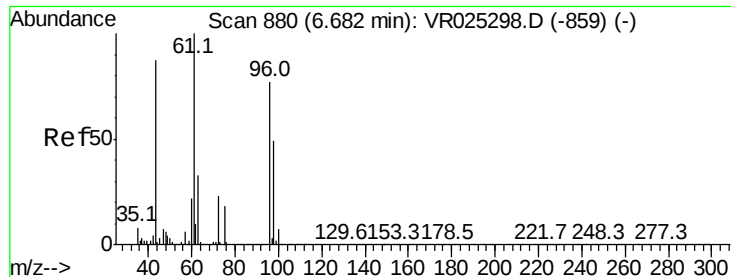


#21
 2-Butanone
 Concen: 182.046 ug/L
 RT: 6.69 min Scan# 881
 Delta R.T. 0.00 min
 Lab File: VR025300.D
 Acq: 15 Jun 2018 15:05

Tgt Ion: 43 Resp: 1520724

Ion	Ratio	Lower	Upper
43	100		
72	26.1	13.0	38.9





#22

cis-1,2-Dichloroethene

Concen: 19.167 ug/L

RT: 6.68 min Scan# 879

Delta R.T. -0.01 min

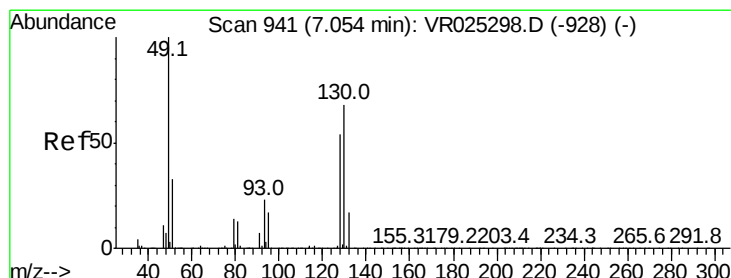
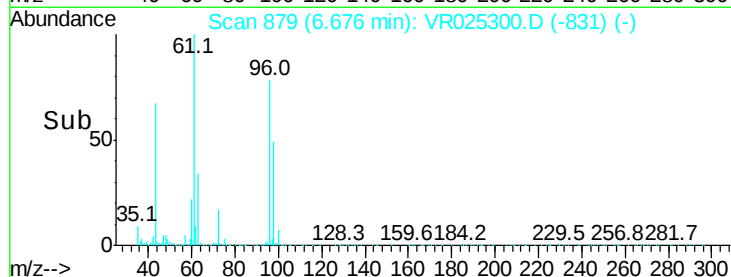
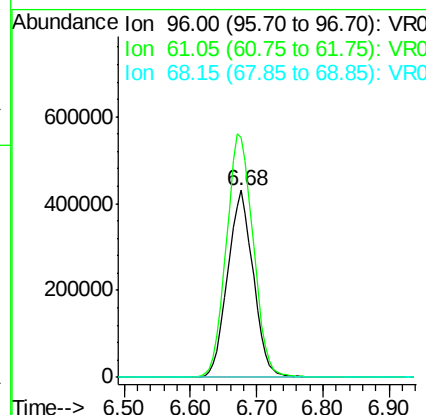
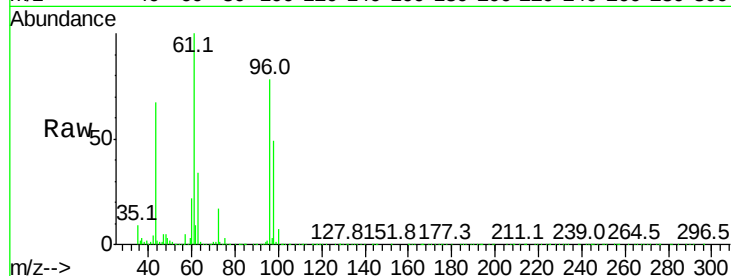
Lab File: VR025300.D

Acq: 15 Jun 2018 15:05

Instrument :
MSVOA_R
ClientSampleId :
VSTD02087

Tgt Ion: 96 Resp: 1154283

Ion	Ratio	Lower	Upper
96	100		
61	128.5	91.0	169.0
68	0.0	0.0	0.0#



#23

Bromochloromethane

Concen: 18.708 ug/L

RT: 7.05 min Scan# 940

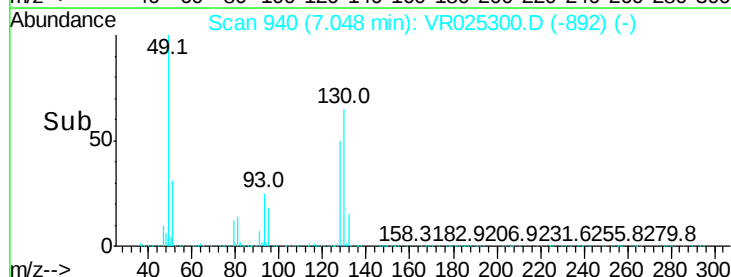
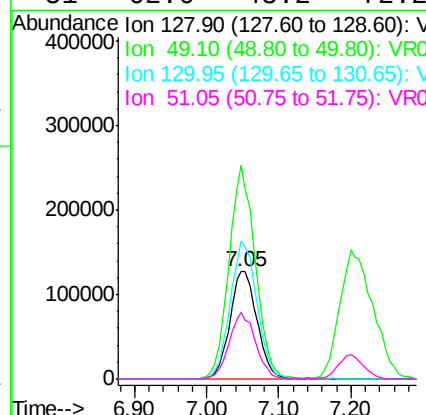
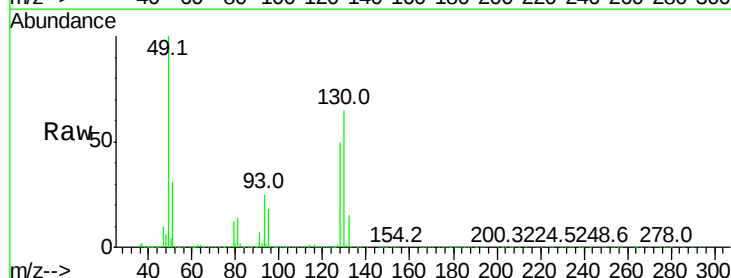
Delta R.T. -0.01 min

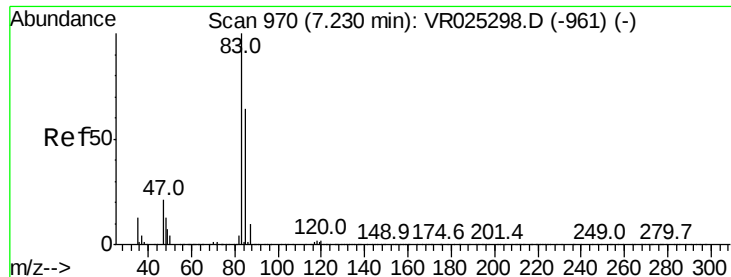
Lab File: VR025300.D

Acq: 15 Jun 2018 15:05

Tgt Ion: 128 Resp: 333474

Ion	Ratio	Lower	Upper
128	100		
49	199.1	128.7	238.9
130	128.8	87.2	161.9
51	62.6	48.2	72.2

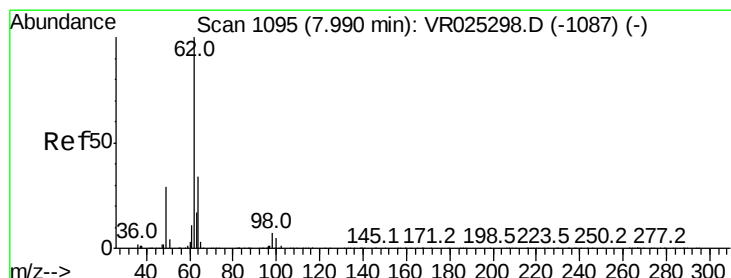
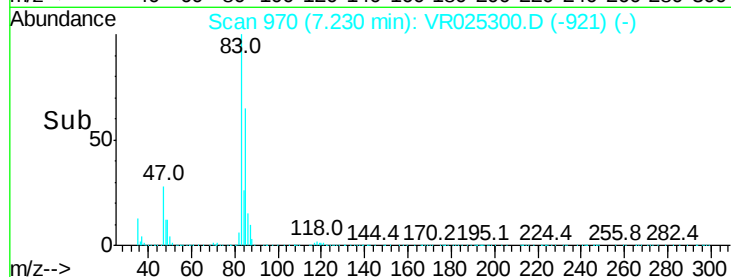
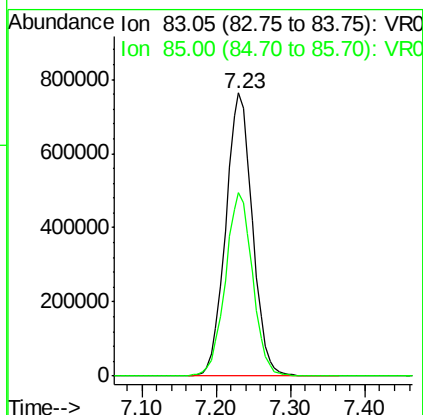
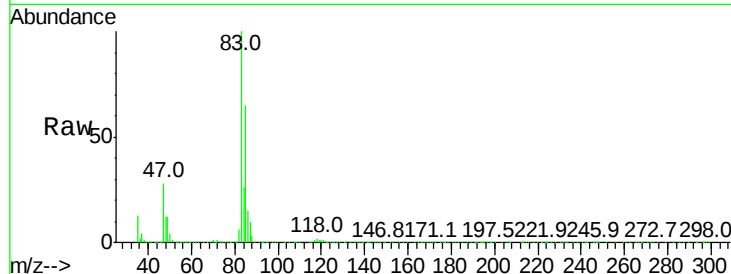




#25
Chloroform
Concen: 18.932 ug/L
RT: 7.23 min Scan# 970
Delta R.T. 0.00 min
Lab File: VR025300.D
Acq: 15 Jun 2018 15:05

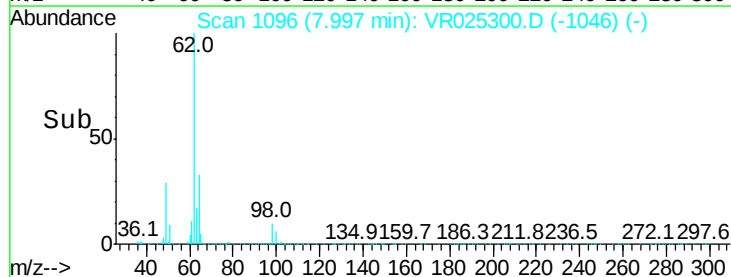
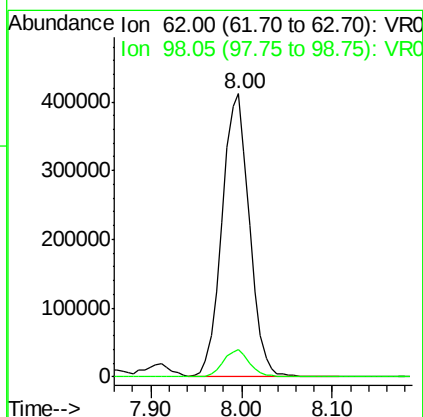
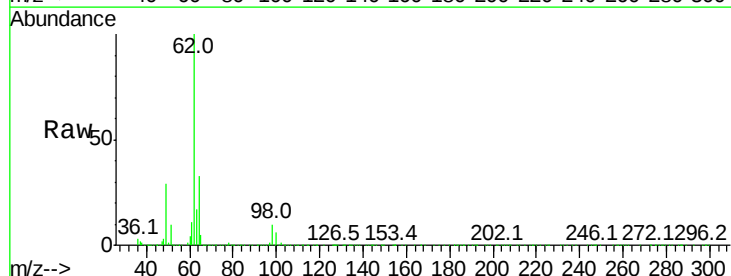
Instrument :
MSVOA_R
ClientSampleId :
VSTD02087

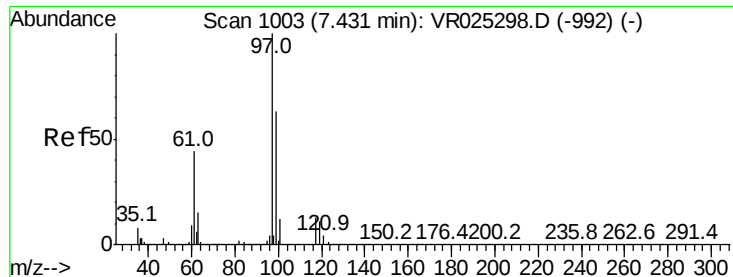
Tgt Ion: 83 Resp: 1906933
Ion Ratio Lower Upper
83 100
85 64.9 45.4 84.4



#27
1,2-Dichloroethane
Concen: 18.351 ug/L
RT: 8.00 min Scan# 1096
Delta R.T. 0.01 min
Lab File: VR025300.D
Acq: 15 Jun 2018 15:05

Tgt Ion: 62 Resp: 861976
Ion Ratio Lower Upper
62 100
98 9.8 5.4 8.2#



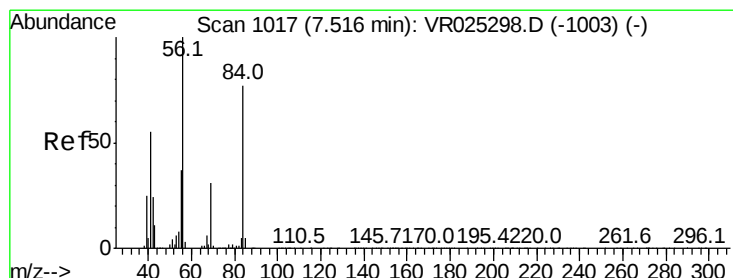
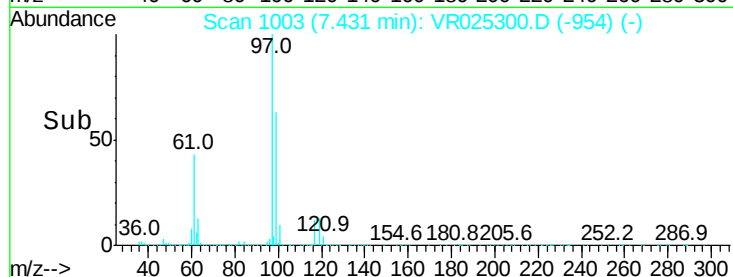
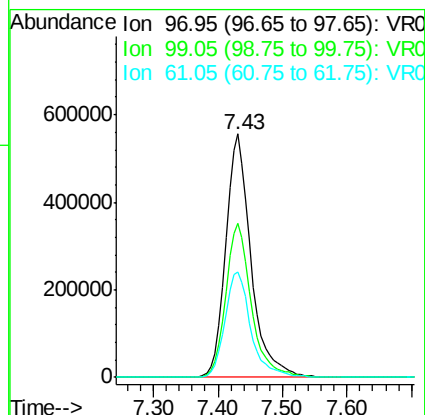
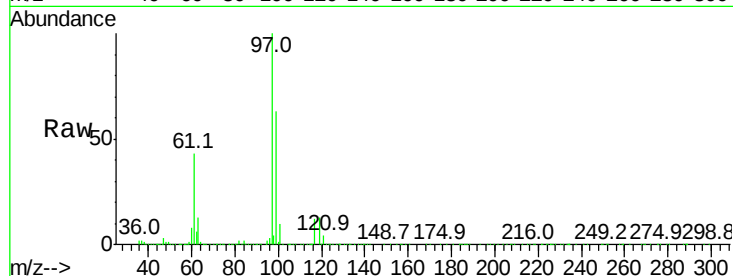


#29
 1,1,1-Trichloroethane
 Concen: 22.497 ug/L
 RT: 7.43 min Scan# 1003
 Delta R.T. 0.00 min
 Lab File: VR025300.D
 Acq: 15 Jun 2018 15:05

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02087

Tgt Ion: 97 Resp: 1531702

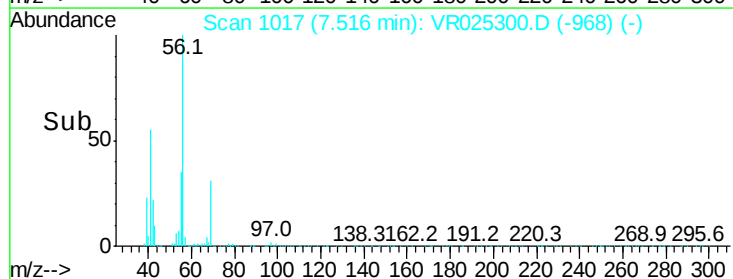
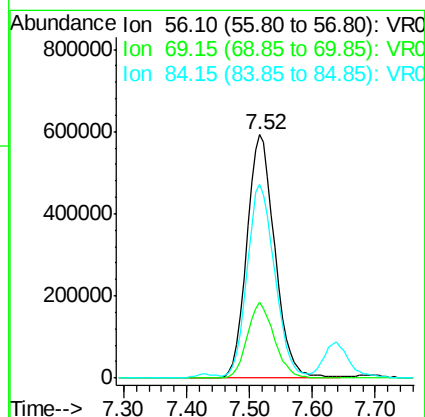
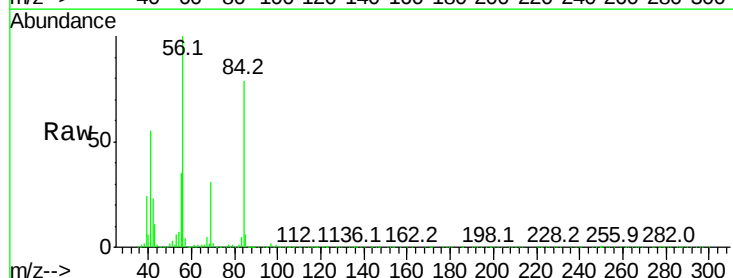
Ion	Ratio	Lower	Upper
97	100		
99	64.1	52.1	78.1
61	44.6	37.0	55.6

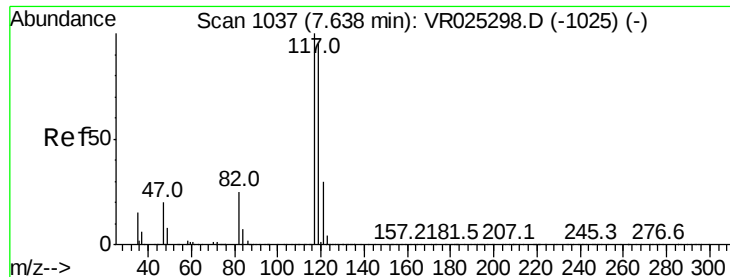


#30
 Cyclohexane
 Concen: 19.423 ug/L
 RT: 7.52 min Scan# 1017
 Delta R.T. 0.00 min
 Lab File: VR025300.D
 Acq: 15 Jun 2018 15:05

Tgt Ion: 56 Resp: 1817672

Ion	Ratio	Lower	Upper
56	100		
69	30.0	23.7	35.5
84	78.7	62.6	93.8





#31

Carbon tetrachloride

Concen: 22.559 ug/L

RT: 7.64 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VR025300.D

Acq: 15 Jun 2018 15:05

Instrument :

MSVOA_R

ClientSampleId :

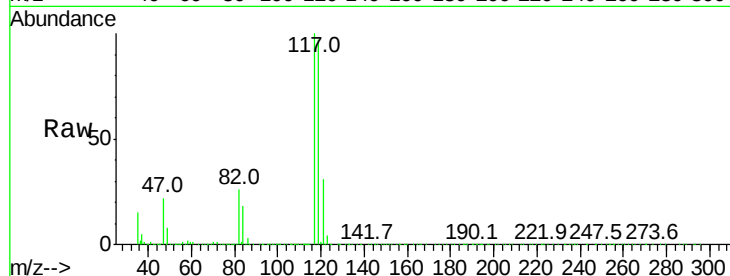
VSTD02087

Tgt Ion:117 Resp: 1367626

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

600000

500000

400000

300000

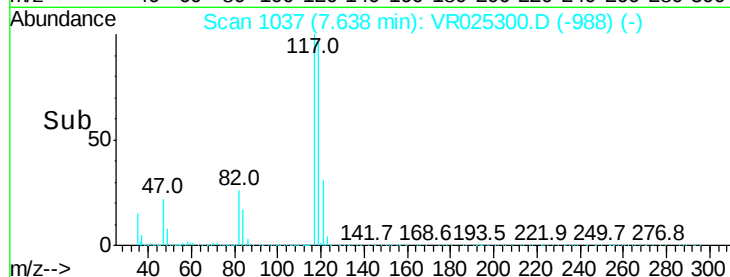
200000

100000

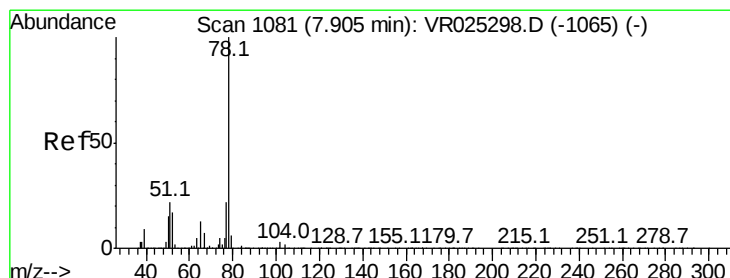
0

7.50 7.60 7.70 7.80

7.64



Time-->



#33

Benzene

Concen: 18.208 ug/L

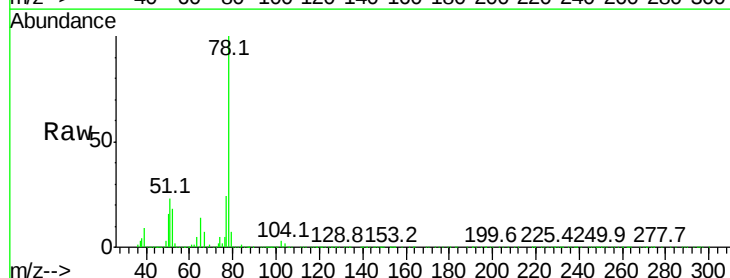
RT: 7.91 min Scan# 1081

Delta R.T. 0.00 min

Lab File: VR025300.D

Acq: 15 Jun 2018 15:05

Tgt Ion: 78 Resp: 4468873



Abundance Ion 78.10 (77.80 to 78.80): VR0

2000000

1500000

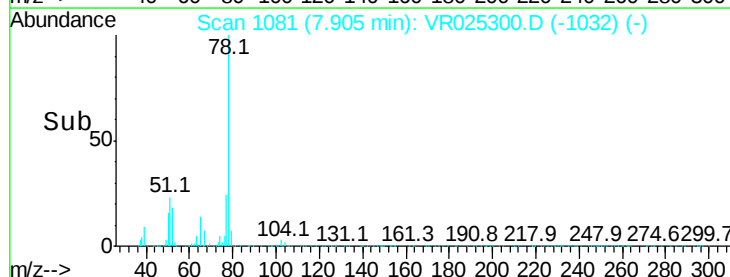
1000000

500000

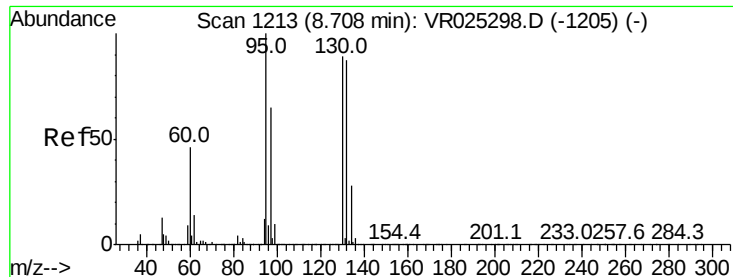
0

7.70 7.80 7.90 8.00 8.10

7.91



Time-->



#34

Trichloroethene

Concen: 20.286 ug/L

RT: 8.71 min Scan# 1213

Delta R.T. 0.00 min

Lab File: VR025300.D

Acq: 15 Jun 2018 15:05

Instrument :

MSVOA_R

ClientSampleId :

VSTD02087

Tgt Ion: 95 Resp: 1158843

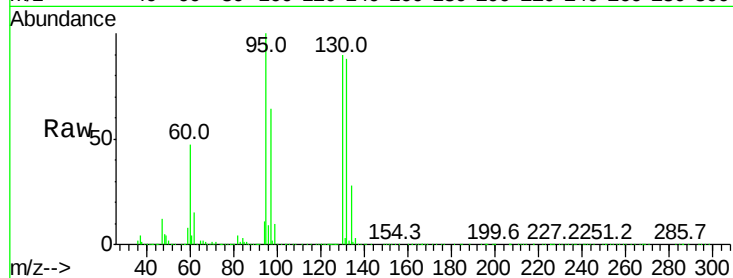
Ion Ratio Lower Upper

95 100

97 64.1 45.6 84.6

132 87.6 60.9 113.1

130 90.1 62.0 115.2

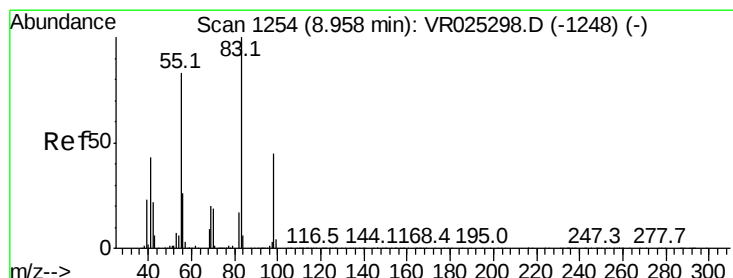
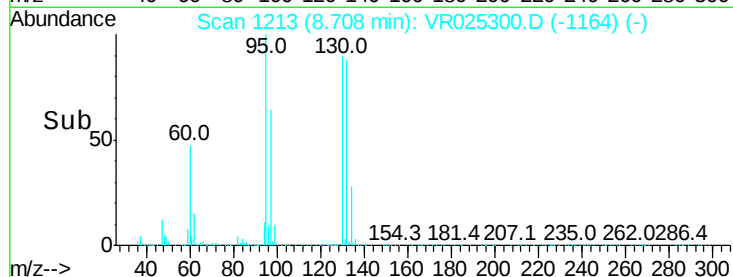
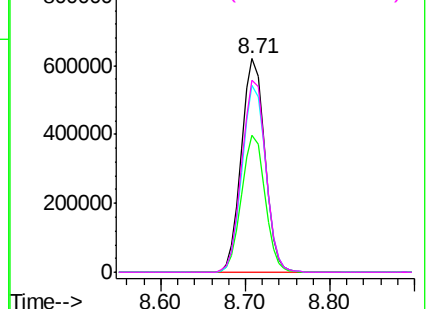


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 18.926 ug/L

RT: 8.96 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VR025300.D

Acq: 15 Jun 2018 15:05

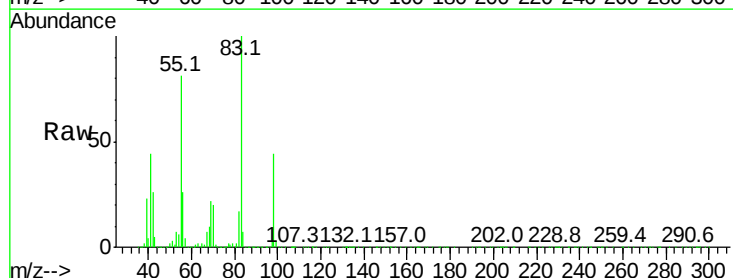
Tgt Ion: 83 Resp: 1780665

Ion Ratio Lower Upper

83 100

55 82.0 66.1 99.1

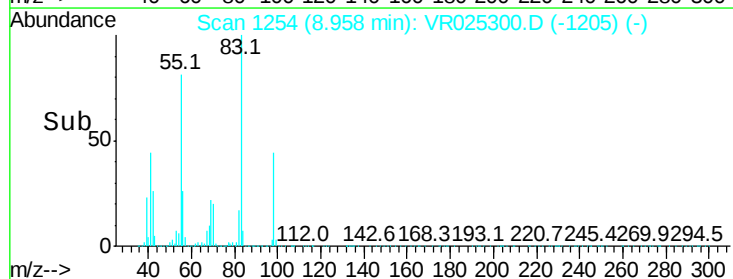
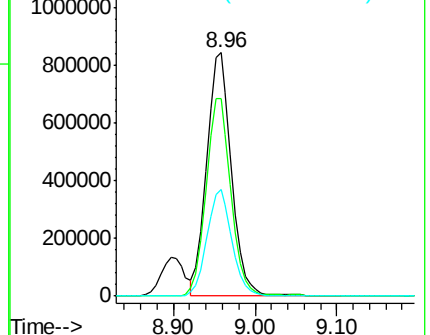
98 44.4 36.2 54.4

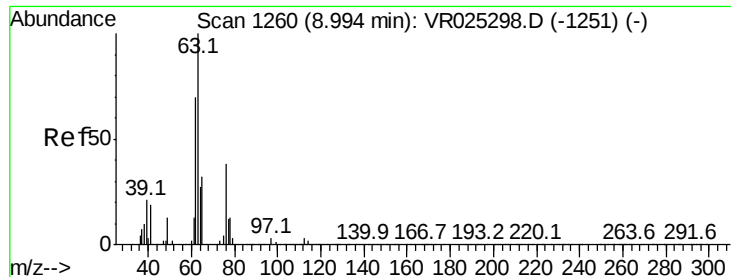


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 18.488 ug/L

RT: 8.99 min Scan# 1260

Delta R.T. 0.00 min

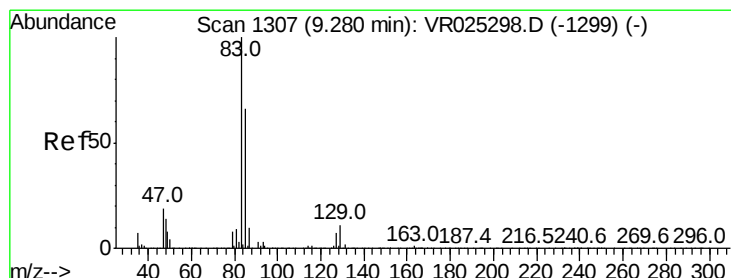
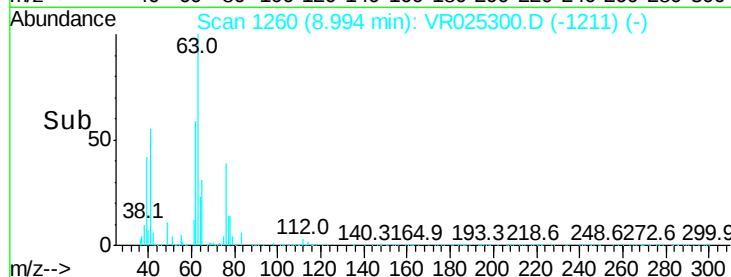
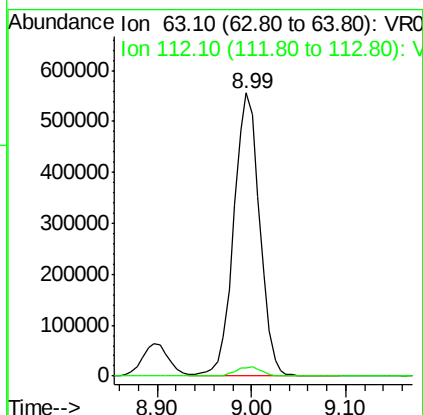
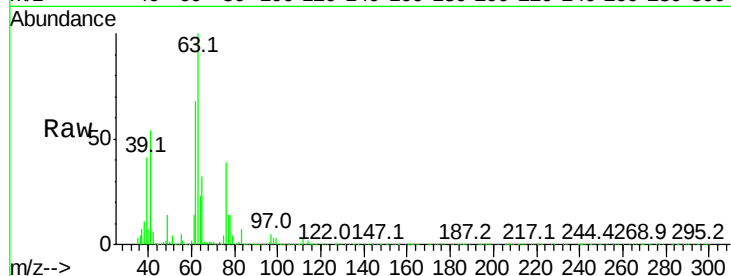
Lab File: VR025300.D

Acq: 15 Jun 2018 15:05

Instrument :
MSVOA_R
ClientSampleId :
VSTD02087

Tgt Ion: 63 Resp: 1055076

Ion	Ratio	Lower	Upper
63	100		
112	3.4	2.9	4.3



#38

Bromodichloromethane

Concen: 21.848 ug/L

RT: 9.28 min Scan# 1307

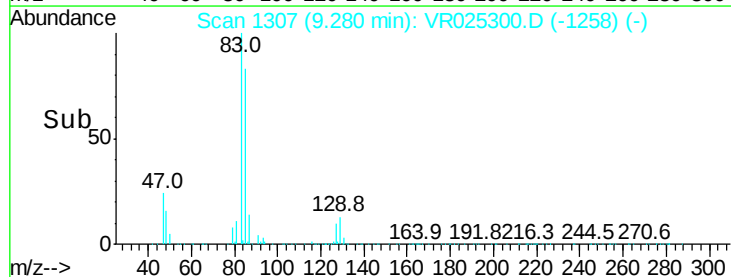
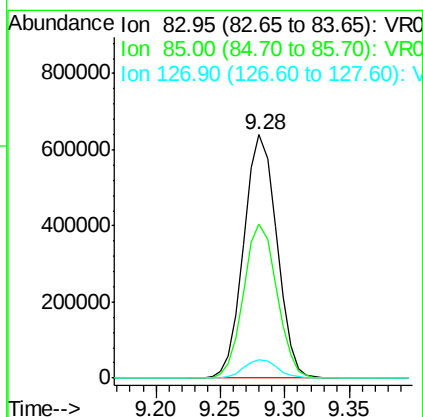
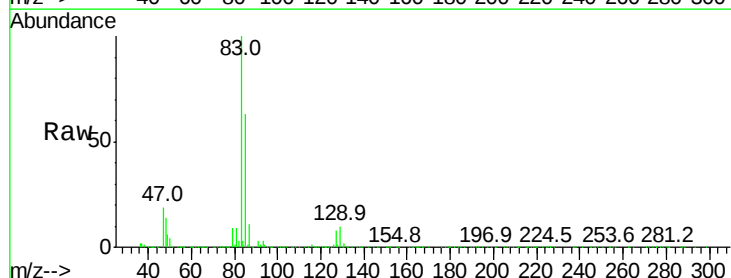
Delta R.T. 0.00 min

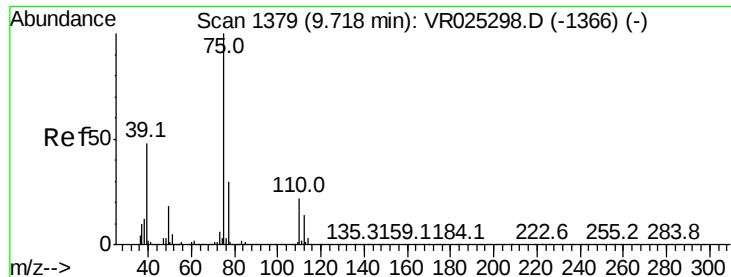
Lab File: VR025300.D

Acq: 15 Jun 2018 15:05

Tgt Ion: 83 Resp: 1130876

Ion	Ratio	Lower	Upper
83	100		
85	63.4	46.1	85.7
127	7.5	5.7	8.5





#39

cis-1,3-Dichloropropene

Concen: 22.731 ug/L

RT: 9.72 min Scan# 1379

Delta R.T. 0.00 min

Lab File: VR025300.D

Acq: 15 Jun 2018 15:05

Instrument :

MSVOA_R

ClientSampleId :

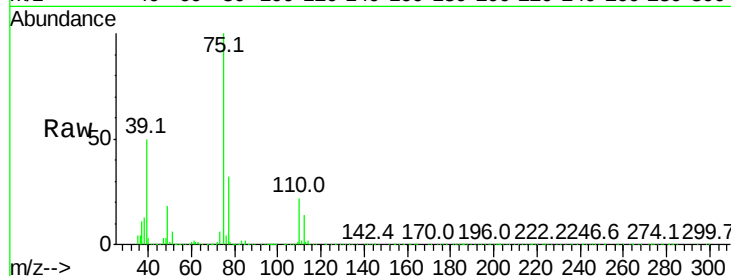
VSTD02087

Tgt Ion: 75 Resp: 1386053

Ion Ratio Lower Upper

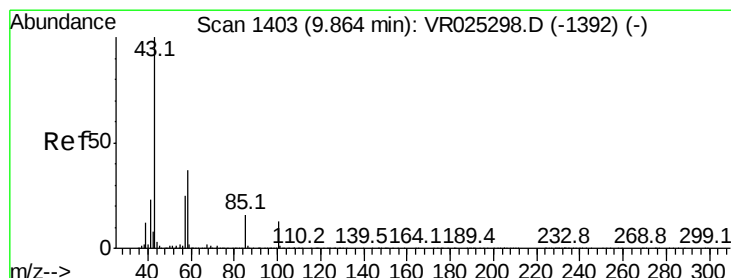
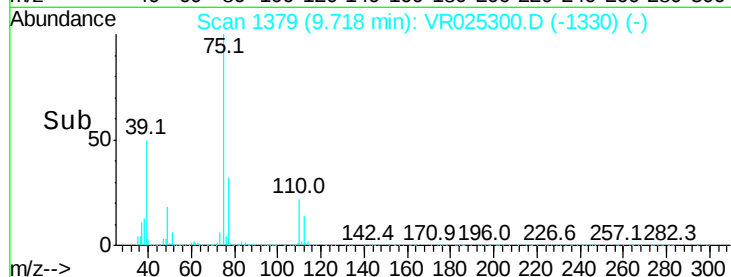
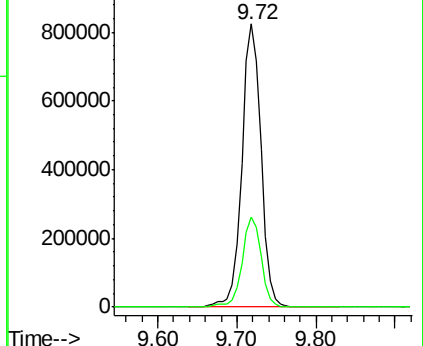
75 100

77 31.8 21.1 39.1



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: 180.675 ug/L

RT: 9.86 min Scan# 1403

Delta R.T. 0.00 min

Lab File: VR025300.D

Acq: 15 Jun 2018 15:05

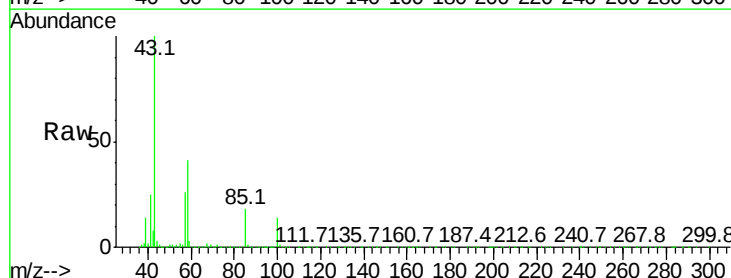
Tgt Ion: 43 Resp: 3373846

Ion Ratio Lower Upper

43 100

58 39.8 30.3 45.5

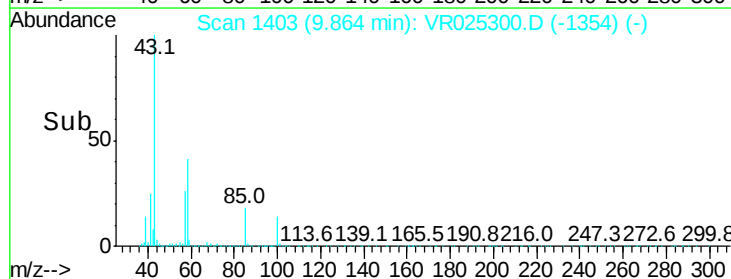
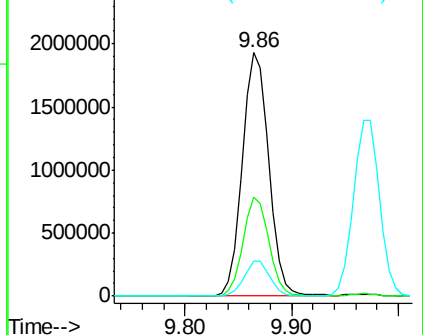
100 13.9 10.3 15.5

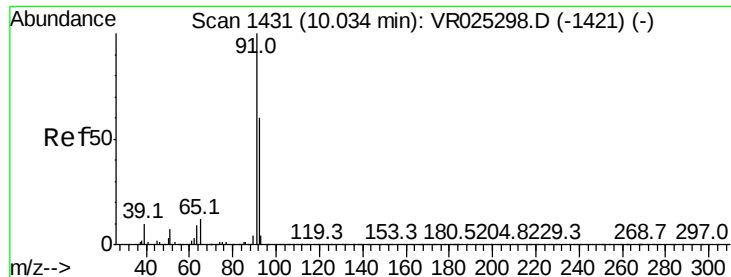


Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 100.15 (99.85 to 100.85): VR0





#42

Toluene

Concen: 17.930 ug/L

RT: 10.03 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VR025300.D

Acq: 15 Jun 2018 15:05

Instrument :

MSVOA_R

ClientSampleId :

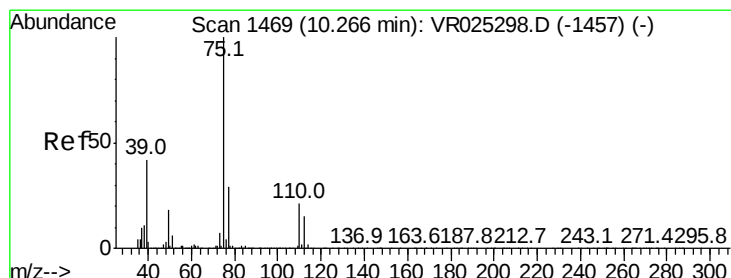
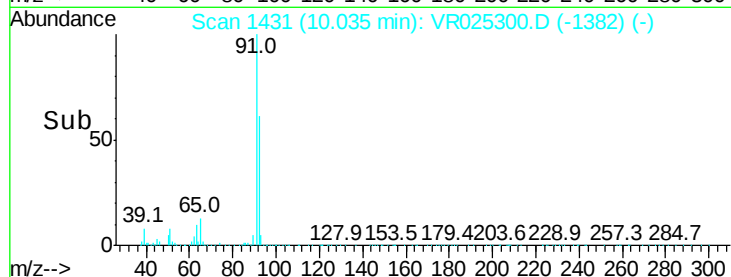
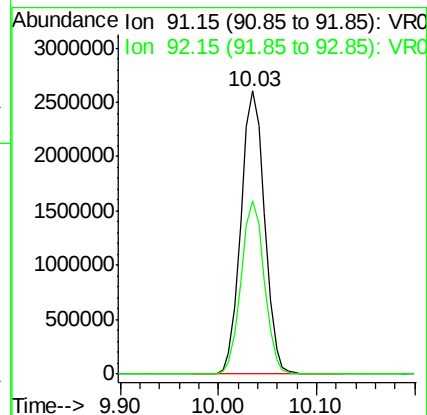
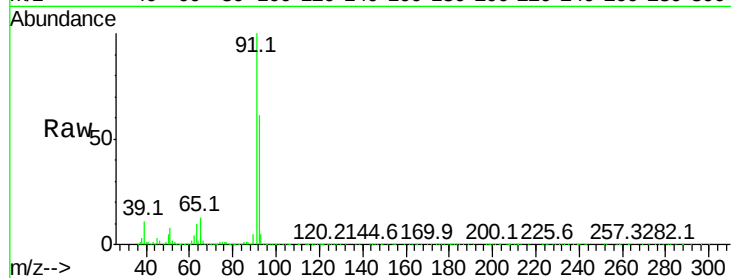
VSTD02087

Tgt Ion: 91 Resp: 4372960

Ion Ratio Lower Upper

91 100

92 61.4 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 23.226 ug/L

RT: 10.27 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VR025300.D

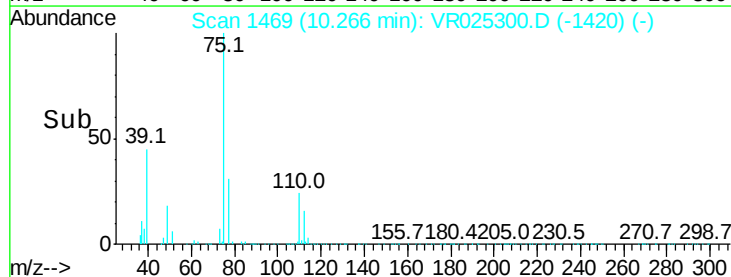
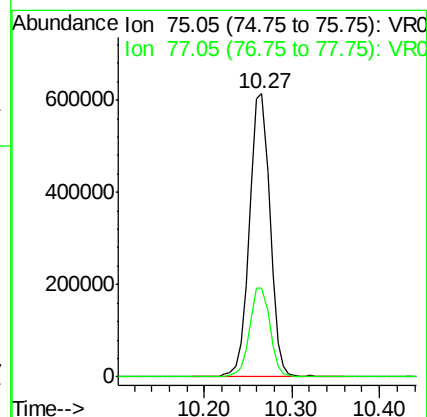
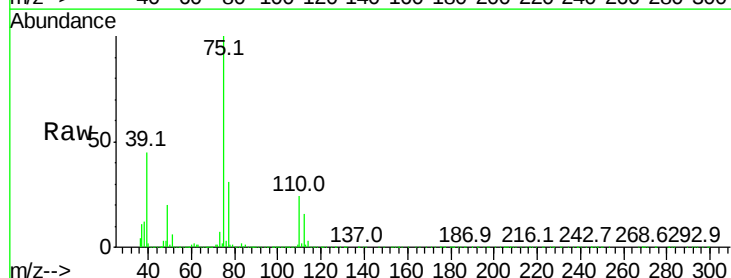
Acq: 15 Jun 2018 15:05

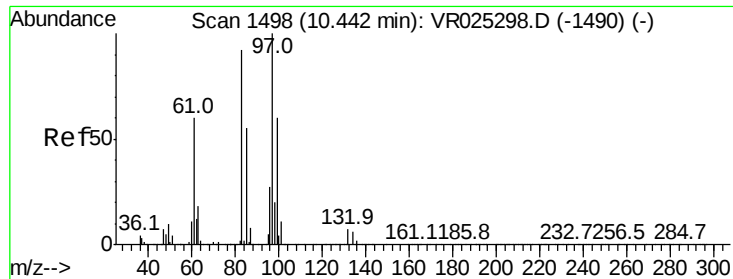
Tgt Ion: 75 Resp: 995954

Ion Ratio Lower Upper

75 100

77 31.3 20.6 38.4

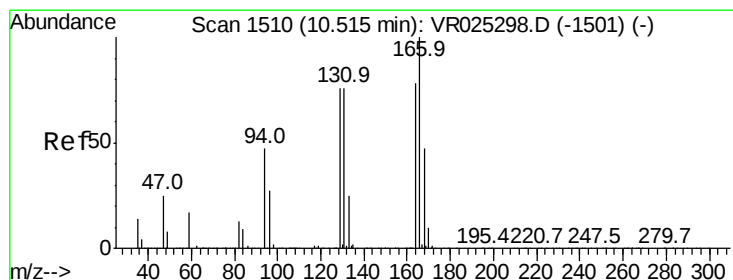
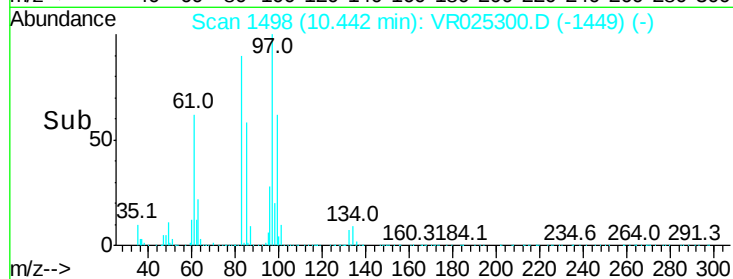
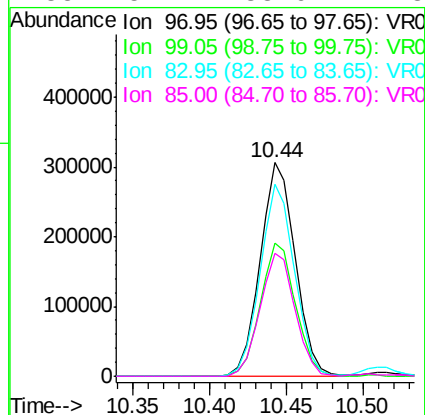
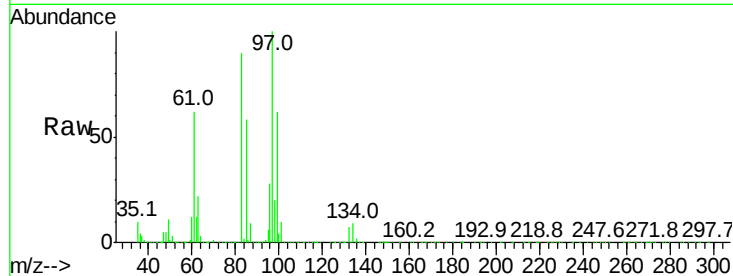




#45
 1,1,2-Trichloroethane
 Concen: 18.731 ug/L
 RT: 10.44 min Scan# 1498
 Delta R.T. 0.00 min
 Lab File: VR025300.D
 Acq: 15 Jun 2018 15:05

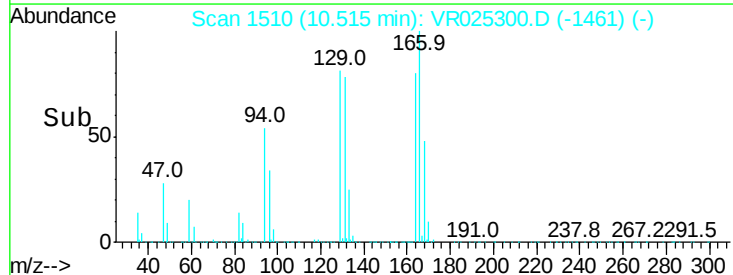
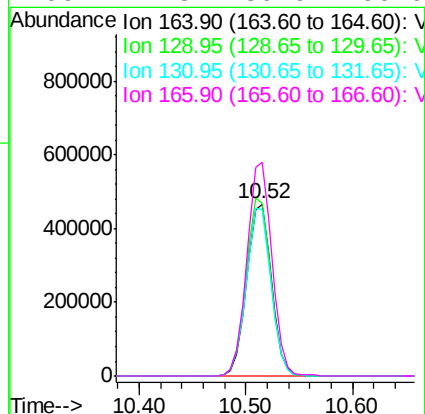
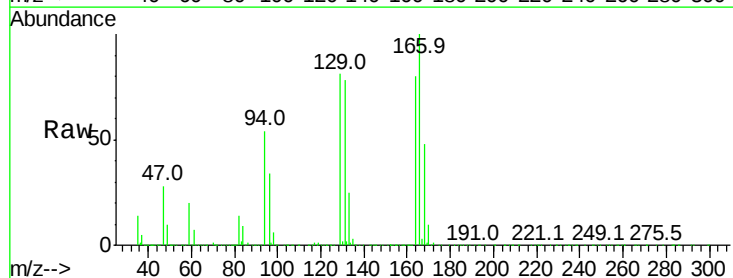
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02087

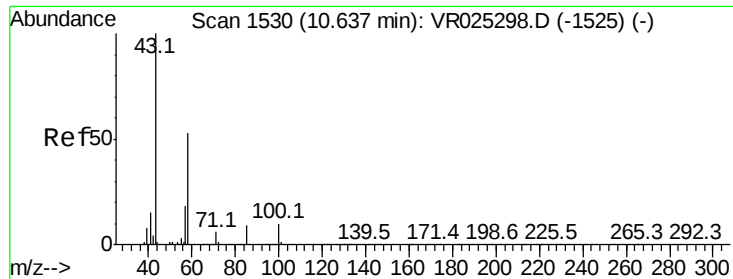
Tgt Ion:	97	Resp:	487863
Ion	Ratio	Lower	Upper
97	100		
99	62.5	41.9	77.9
83	90.0	64.5	119.9
85	57.7	38.6	71.8



#47
 Tetrachloroethene
 Concen: 19.751 ug/L
 RT: 10.52 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VR025300.D
 Acq: 15 Jun 2018 15:05

Tgt Ion:	164	Resp:	763383
Ion	Ratio	Lower	Upper
164	100		
129	100.8	68.1	126.5
131	96.9	68.5	127.1
166	124.3	89.9	166.9





#48

2-Hexanone

Concen: 176.616 ug/L

RT: 10.64 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VR025300.D

Acq: 15 Jun 2018 15:05

Instrument :

MSVOA_R

ClientSampleId :

VSTD02087

Tgt Ion: 43 Resp: 2221227

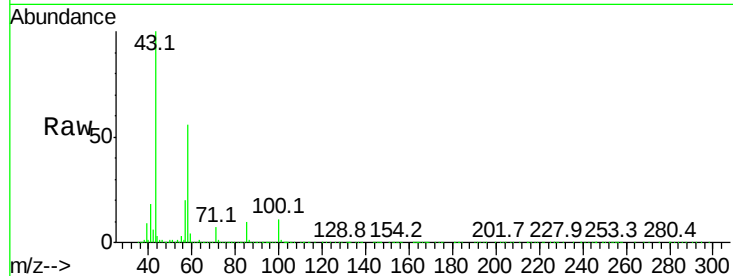
Ion Ratio Lower Upper

43 100

58 56.4 43.1 64.7

57 19.6 15.3 22.9

100 10.6 7.9 11.9

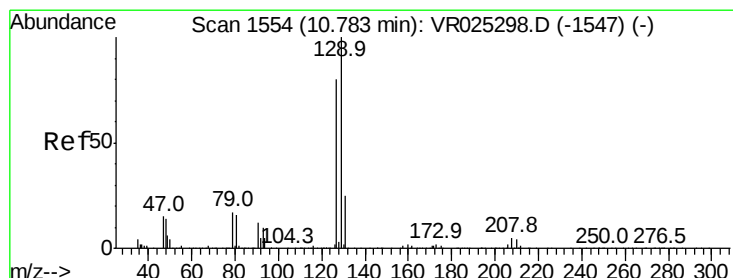
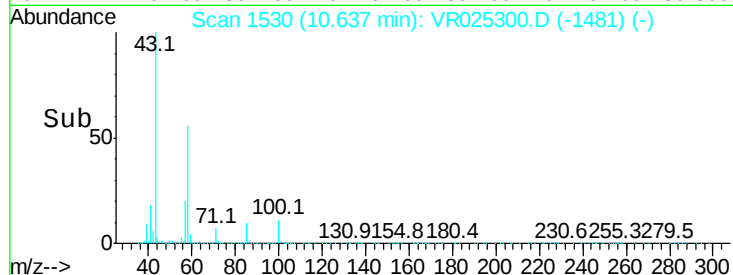
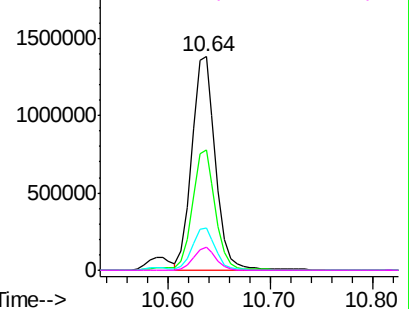


Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 57.20 (56.90 to 57.90): VR0

Ion 100.15 (99.85 to 100.85): VR0



#49

Dibromochloromethane

Concen: 22.740 ug/L

RT: 10.78 min Scan# 1554

Delta R.T. 0.00 min

Lab File: VR025300.D

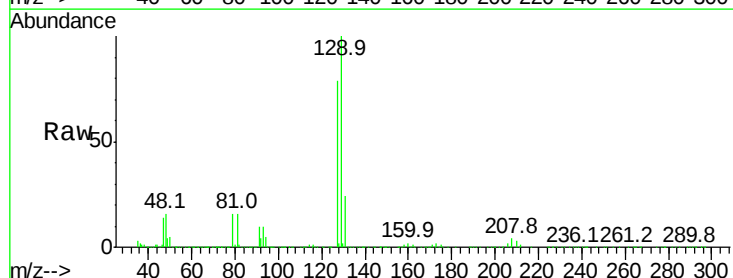
Acq: 15 Jun 2018 15:05

Tgt Ion: 129 Resp: 551877

Ion Ratio Lower Upper

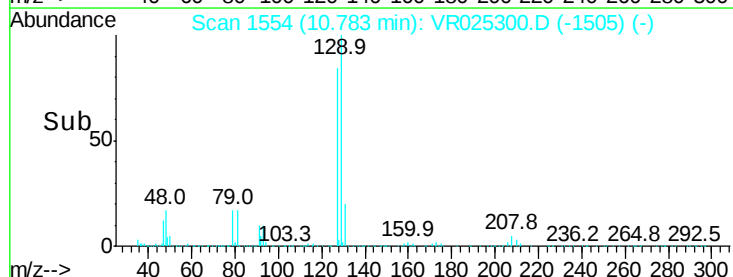
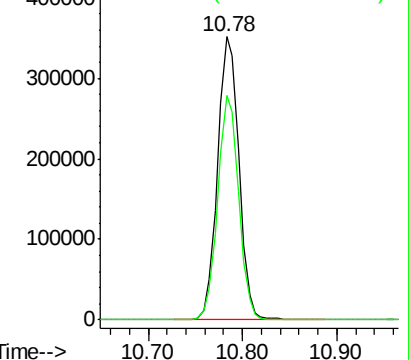
129 100

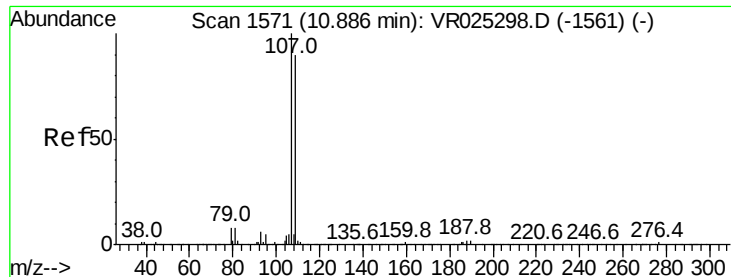
127 79.4 55.9 103.7



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

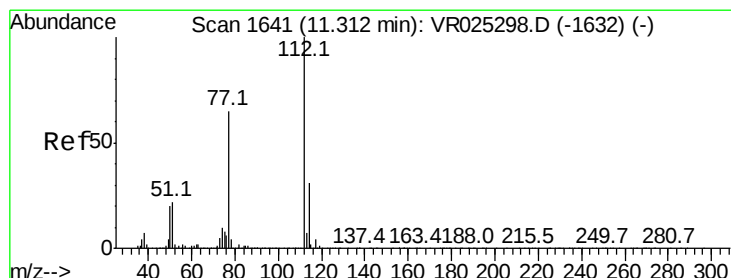
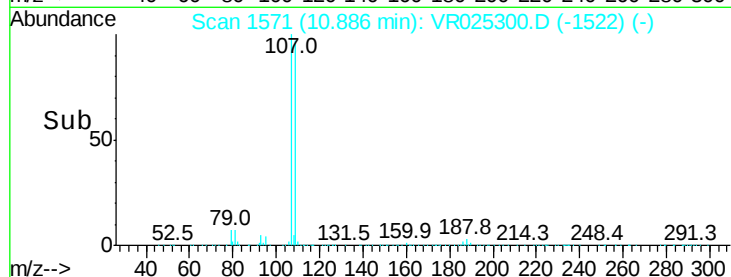
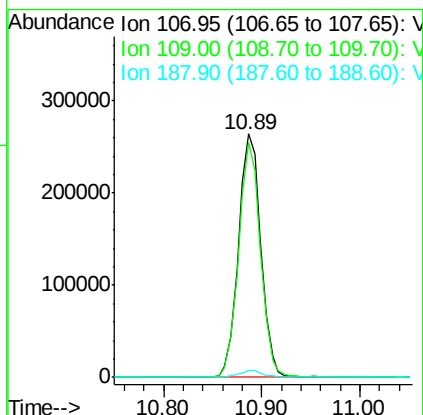
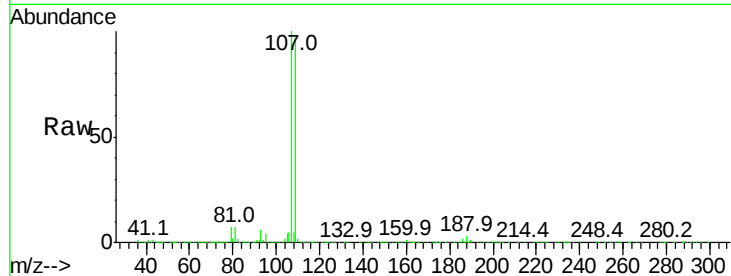




#50
1,2-Dibromoethane
Concen: 20.240 ug/L
RT: 10.89 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VR025300.D
Acq: 15 Jun 2018 15:05

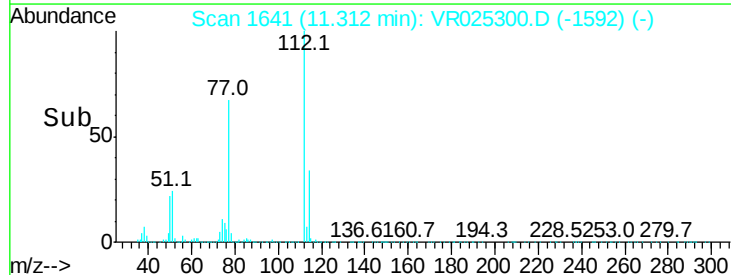
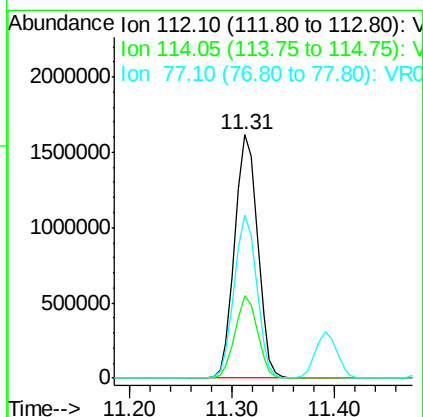
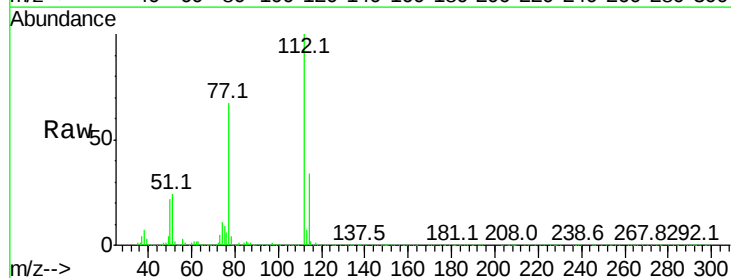
Instrument :
MSVOA_R
ClientSampleId :
VSTD02087

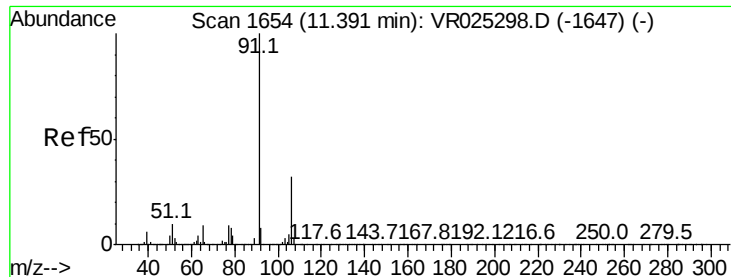
Tgt Ion:107 Resp: 418142
Ion Ratio Lower Upper
107 100
109 96.6 63.1 117.3
188 2.7 1.8 2.8



#51
Chlorobenzene
Concen: 18.302 ug/L
RT: 11.31 min Scan# 1641
Delta R.T. 0.00 min
Lab File: VR025300.D
Acq: 15 Jun 2018 15:05

Tgt Ion:112 Resp: 2510688
Ion Ratio Lower Upper
112 100
114 33.6 21.6 40.0
77 66.9 51.9 77.9





#52

Ethylbenzene

Concen: 18.211 ug/L

RT: 11.39 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VR025300.D

Acq: 15 Jun 2018 15:05

Instrument :

MSVOA_R

ClientSampleId :

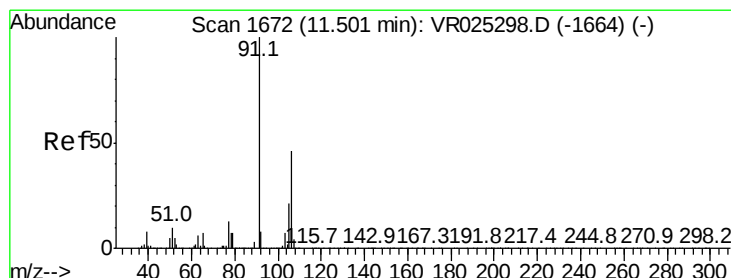
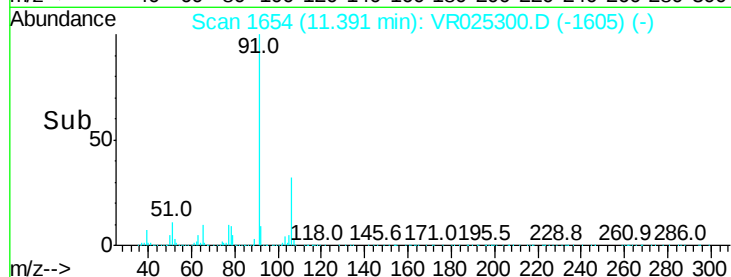
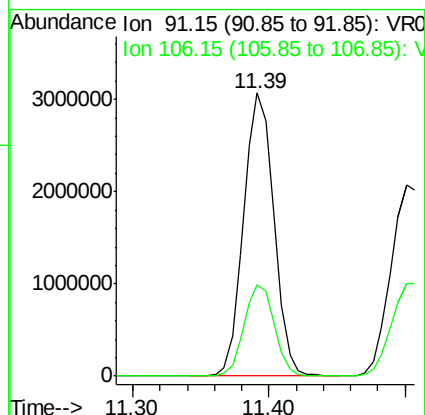
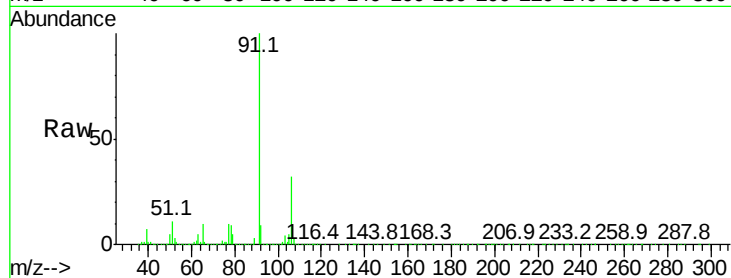
VSTD02087

Tgt Ion: 91 Resp: 4774011

Ion Ratio Lower Upper

91 100

106 32.3 22.5 41.7



#53

m,p-Xylene

Concen: 19.342 ug/L

RT: 11.50 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VR025300.D

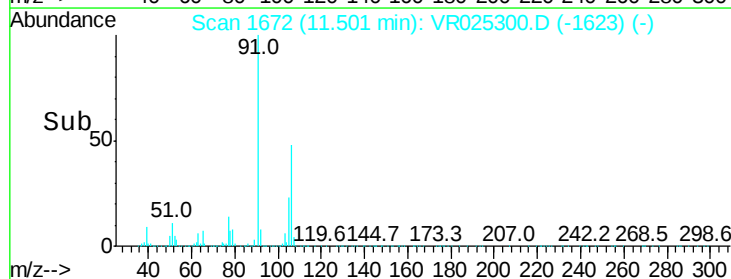
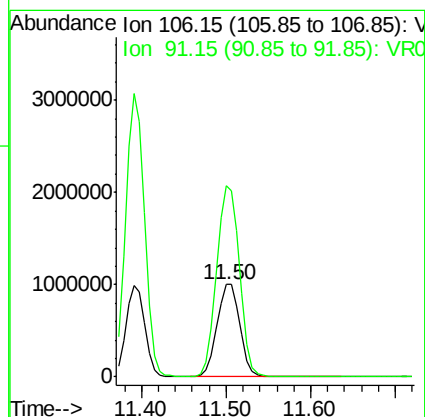
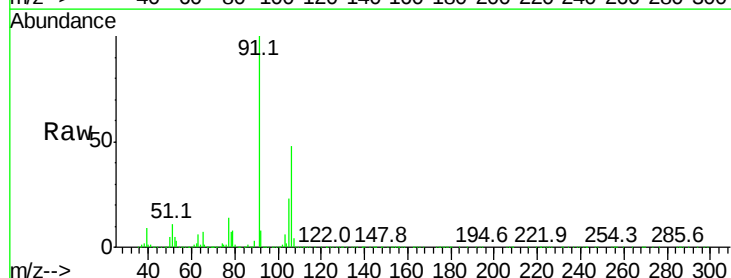
Acq: 15 Jun 2018 15:05

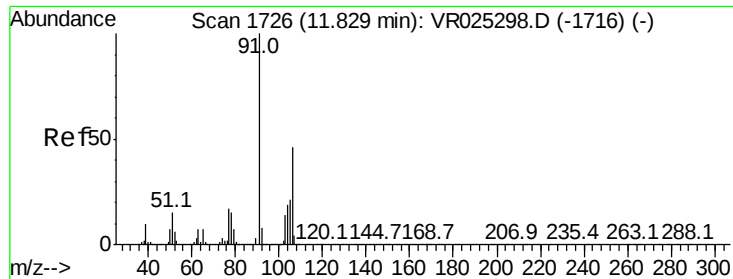
Tgt Ion: 106 Resp: 1879354

Ion Ratio Lower Upper

106 100

91 207.9 152.6 283.4

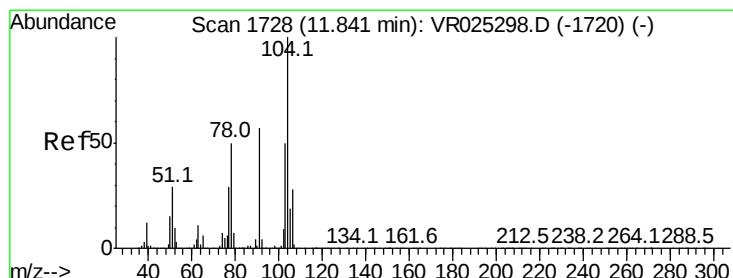
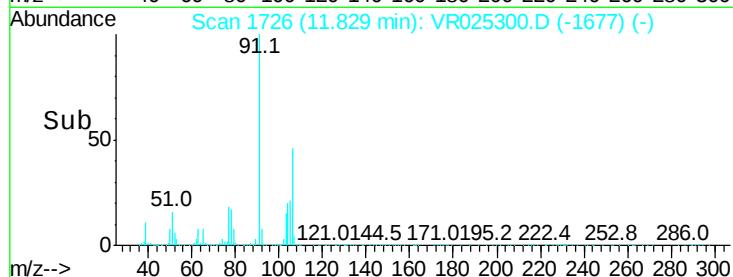
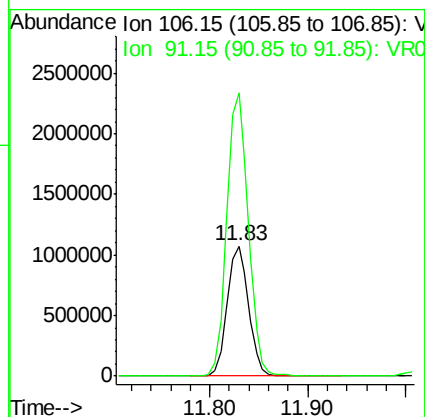
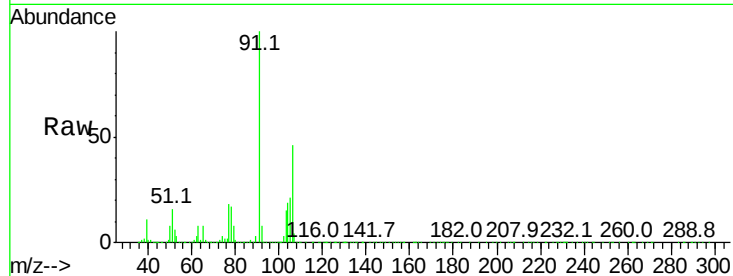




#54
o-Xylene
Concen: 18.553 ug/L
RT: 11.83 min Scan# 1726
Delta R.T. 0.00 min
Lab File: VR025300.D
Acq: 15 Jun 2018 15:05

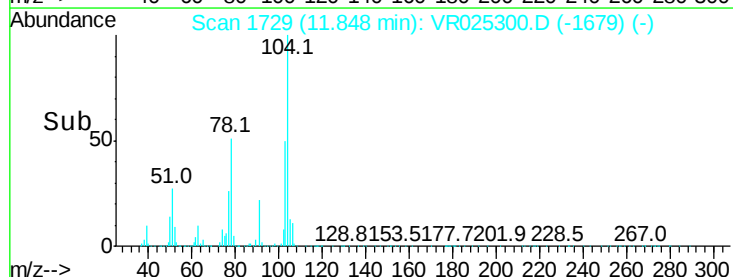
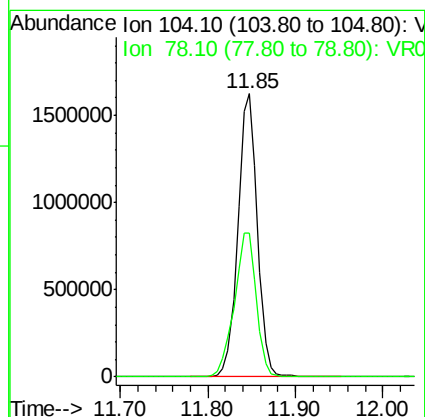
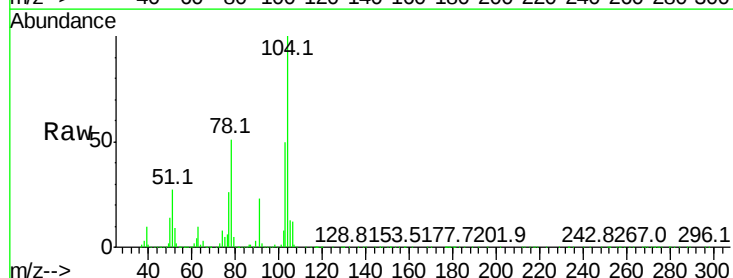
Instrument :
MSVOA_R
ClientSampled :
VSTD02087

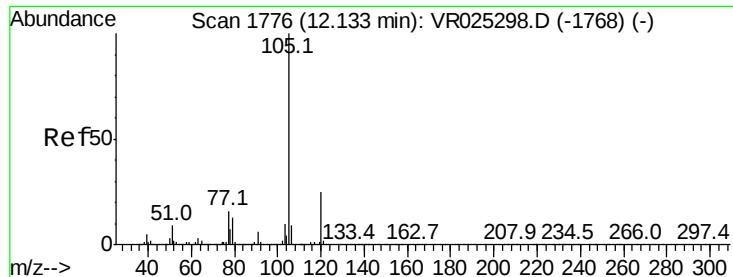
Tgt Ion:106 Resp: 1627573
Ion Ratio Lower Upper
106 100
91 217.3 153.7 285.5



#55
Styrene
Concen: 17.704 ug/L
RT: 11.85 min Scan# 1729
Delta R.T. 0.01 min
Lab File: VR025300.D
Acq: 15 Jun 2018 15:05

Tgt Ion:104 Resp: 2526637
Ion Ratio Lower Upper
104 100
78 50.9 35.4 65.7





#56

Isopropylbenzene

Concen: 19.187 ug/L

RT: 12.13 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VR025300.D

Acq: 15 Jun 2018 15:05

Instrument :

MSVOA_R

ClientSampleId :

VSTD02087

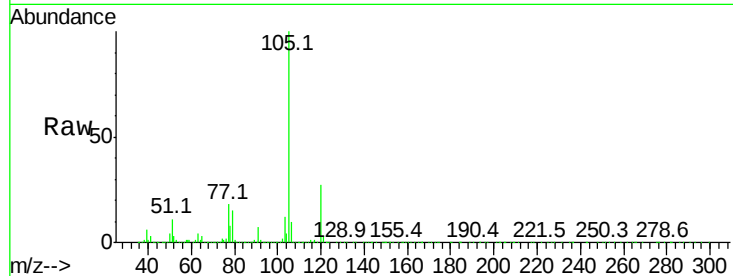
Tgt Ion:105 Resp: 4423383

Ion Ratio Lower Upper

105 100

120 26.9 20.2 30.4

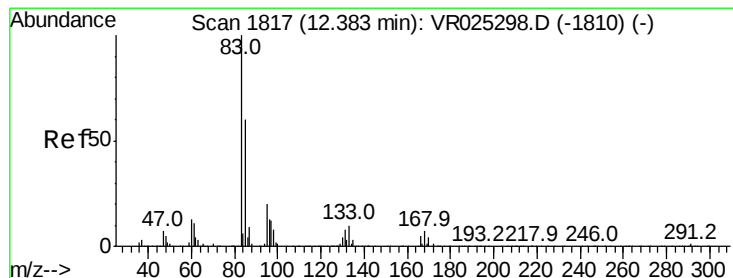
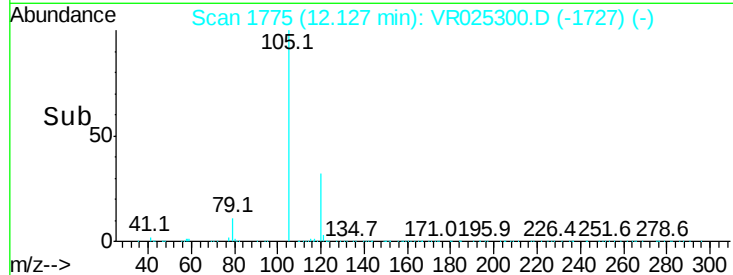
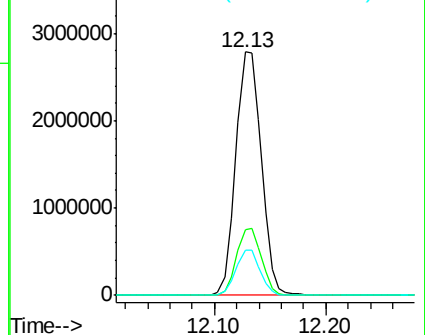
77 17.6 13.0 19.6



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: 18.241 ug/L

RT: 12.38 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VR025300.D

Acq: 15 Jun 2018 15:05

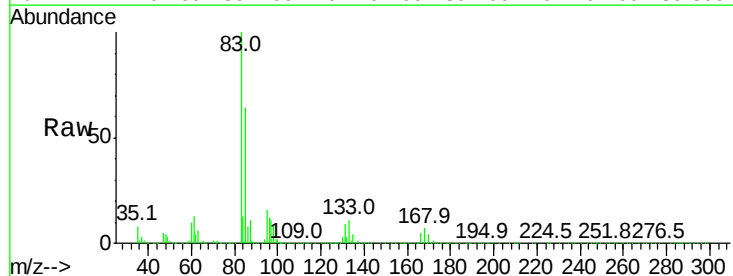
Tgt Ion: 83 Resp: 459256

Ion Ratio Lower Upper

83 100

85 64.2 41.8 77.6

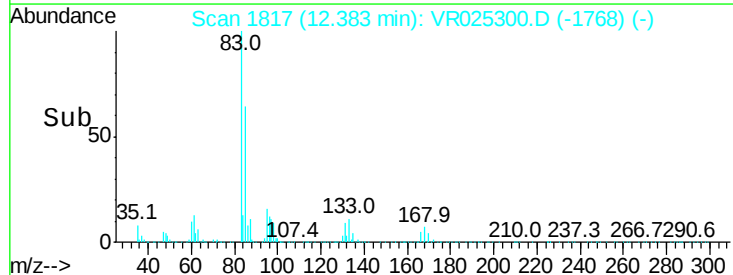
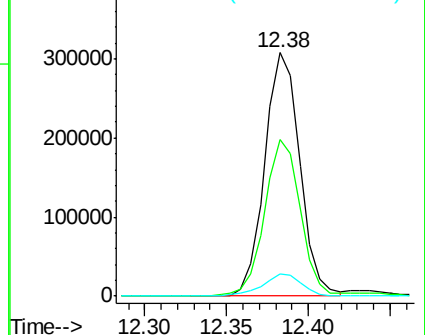
131 8.9 6.1 9.1

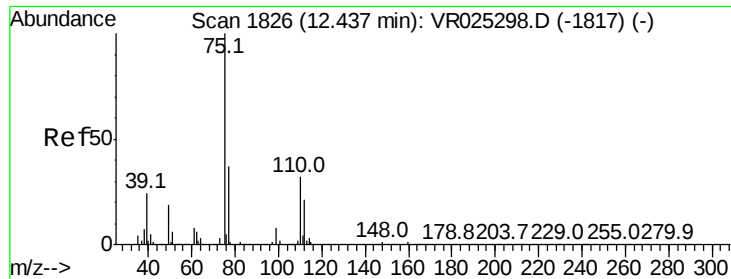


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 19.822 ug/L

RT: 12.44 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VR025300.D

Acq: 15 Jun 2018 15:05

Instrument :

MSVOA_R

ClientSampleId :

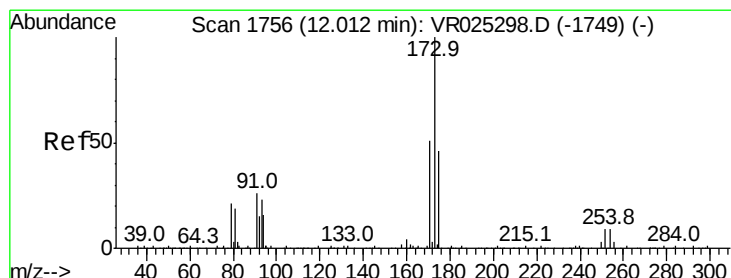
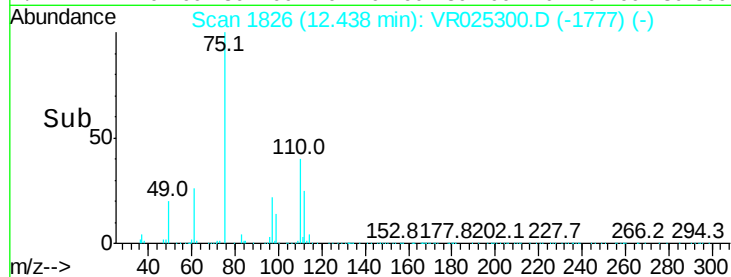
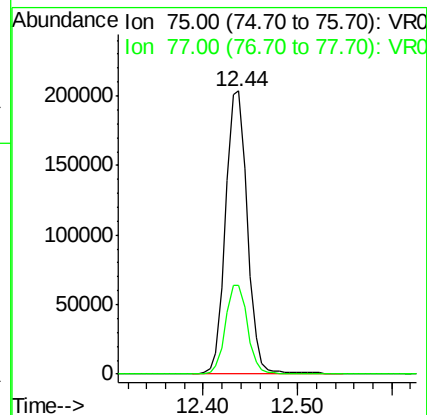
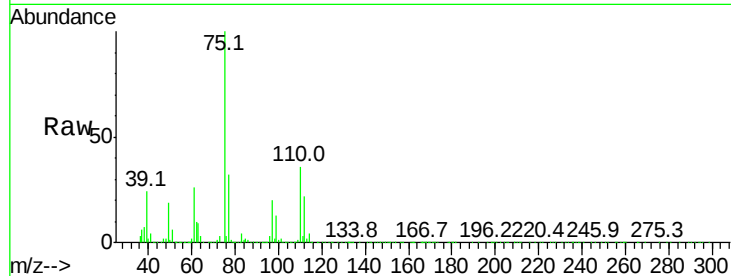
VSTD02087

Tgt Ion: 75 Resp: 327332

Ion Ratio Lower Upper

75 100

77 31.7 27.0 40.4



#61

Bromoform

Concen: 23.931 ug/L

RT: 12.01 min Scan# 1756

Delta R.T. -0.01 min

Lab File: VR025300.D

Acq: 15 Jun 2018 15:05

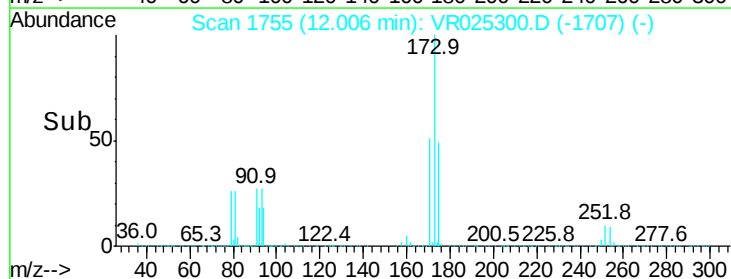
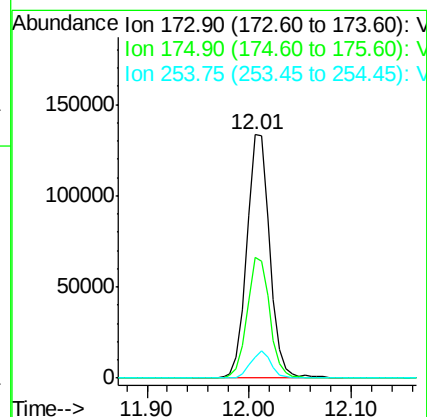
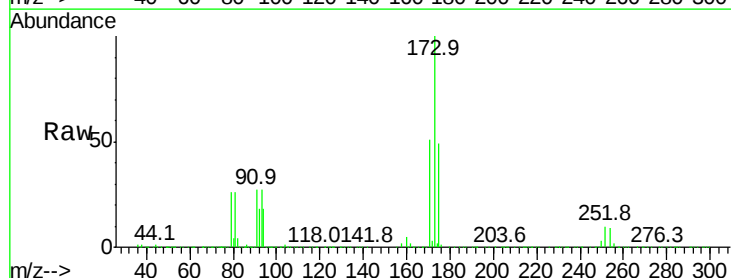
Tgt Ion: 173 Resp: 206890

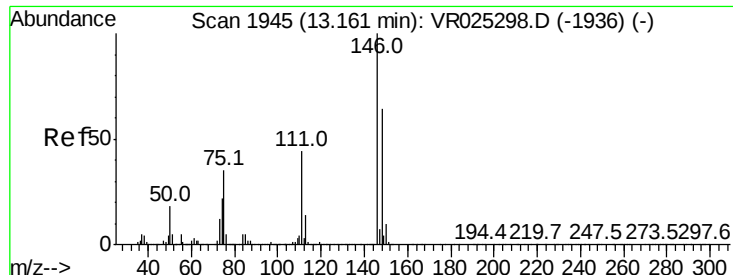
Ion Ratio Lower Upper

173 100

175 49.1 37.5 56.3

254 10.0 8.7 13.1





#62

1,3-Dichlorobenzene

Concen: 20.709 ug/L

RT: 13.16 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VR025300.D

Acq: 15 Jun 2018 15:05

Instrument :

MSVOA_R

ClientSampleId :

VSTD02087

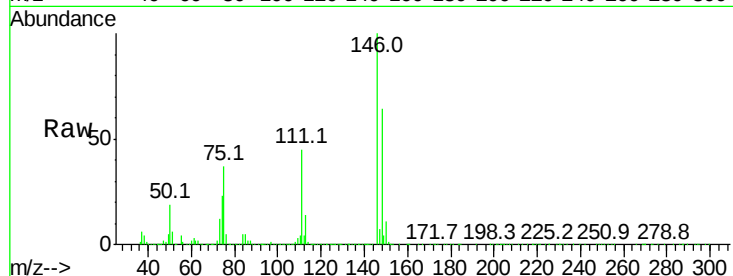
Tgt Ion:146 Resp: 1607018

Ion Ratio Lower Upper

146 100

111 44.7 31.0 57.6

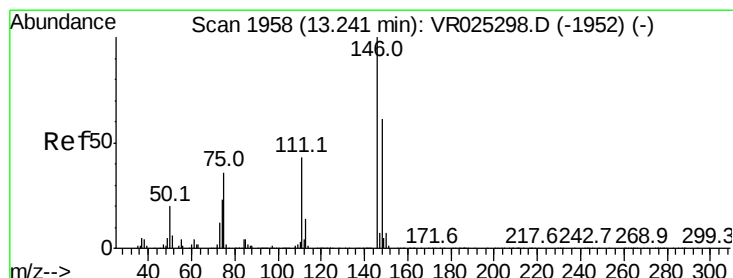
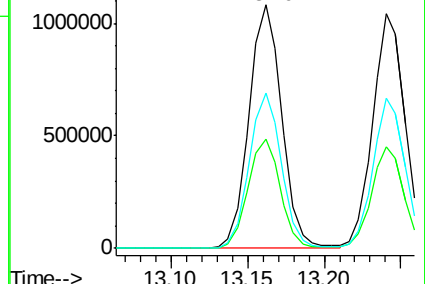
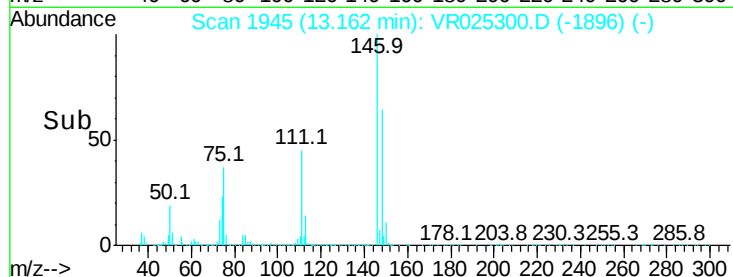
148 64.0 44.8 83.2



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: 18.510 ug/L

RT: 13.24 min Scan# 1958

Delta R.T. 0.00 min

Lab File: VR025300.D

Acq: 15 Jun 2018 15:05

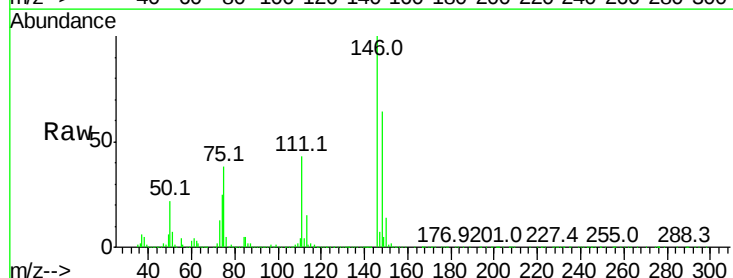
Tgt Ion:146 Resp: 1541675

Ion Ratio Lower Upper

146 100

111 43.2 30.5 56.7

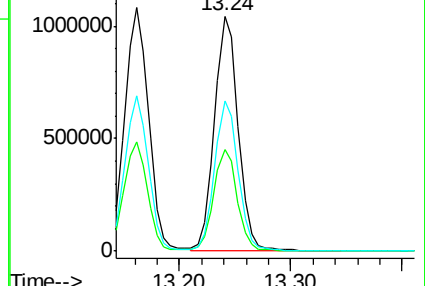
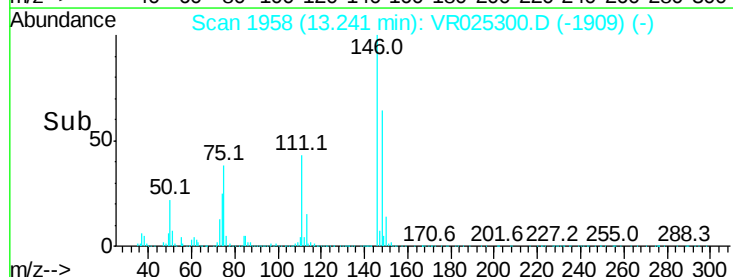
148 64.2 42.8 79.4

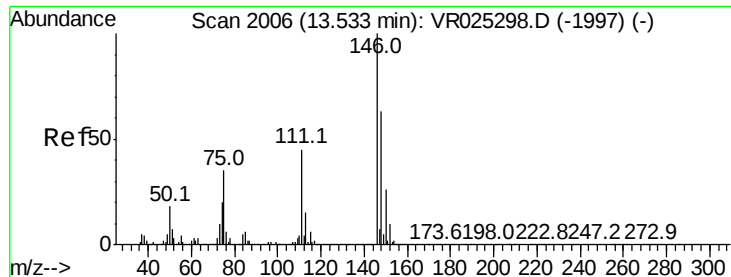


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 18.879 ug/L

RT: 13.53 min Scan# 2006

Delta R.T. 0.00 min

Lab File: VR025300.D

Acq: 15 Jun 2018 15:05

Instrument :

MSVOA_R

ClientSampleId :

VSTD02087

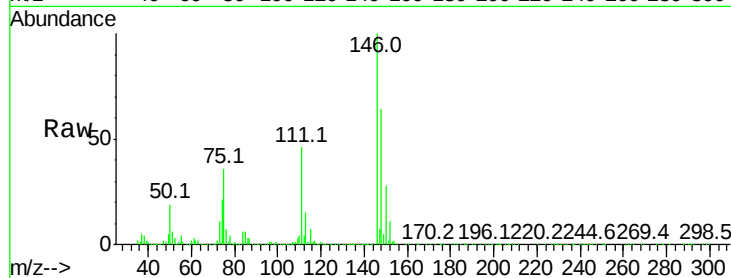
Tgt Ion:146 Resp: 1250050

Ion Ratio Lower Upper

146 100

111 46.1 35.8 53.8

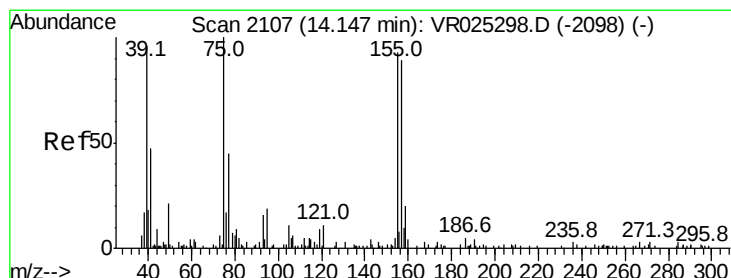
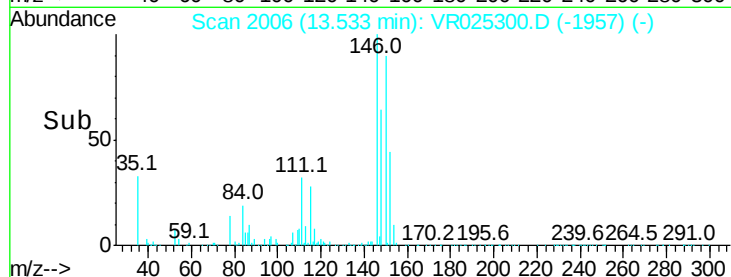
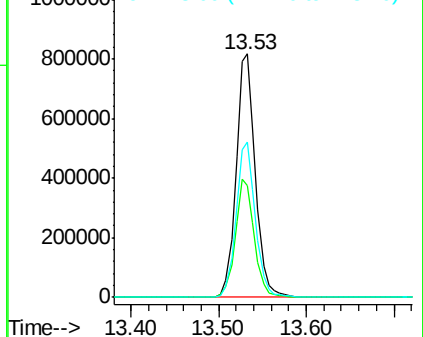
148 63.5 50.4 75.6



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: 19.917 ug/L

RT: 14.15 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VR025300.D

Acq: 15 Jun 2018 15:05

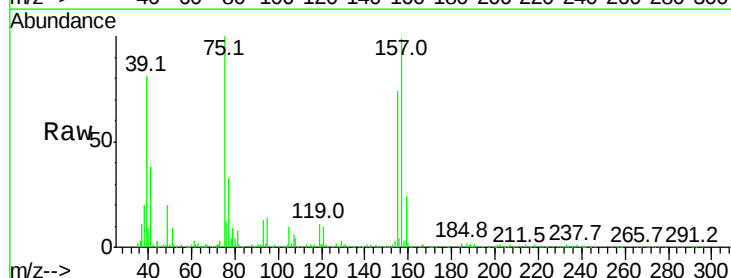
Tgt Ion: 75 Resp: 51114

Ion Ratio Lower Upper

75 100

155 74.4 74.1 111.1

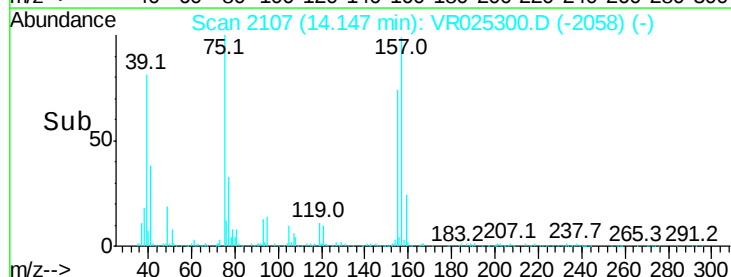
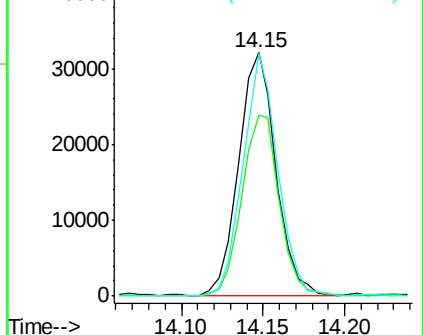
157 99.5 71.0 106.6

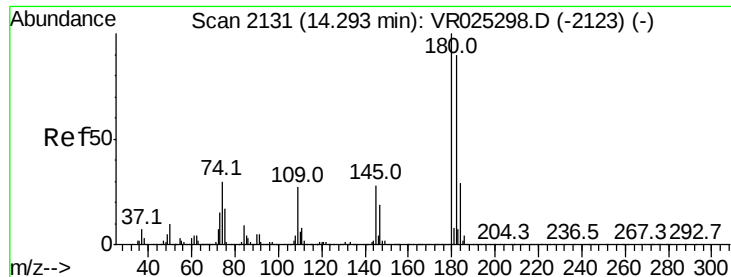


Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

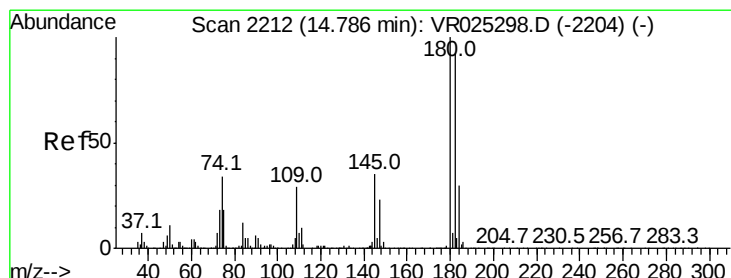
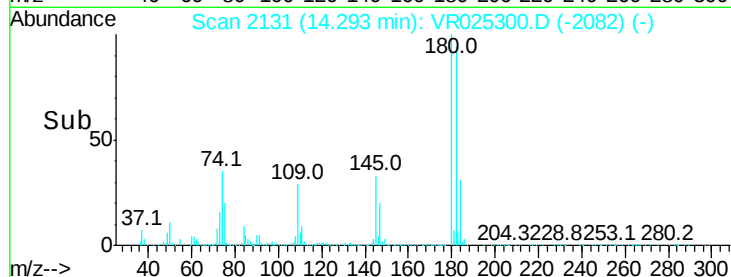
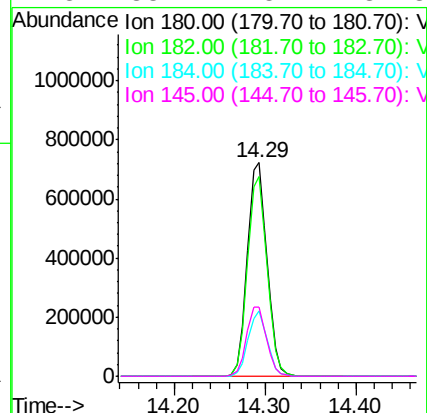
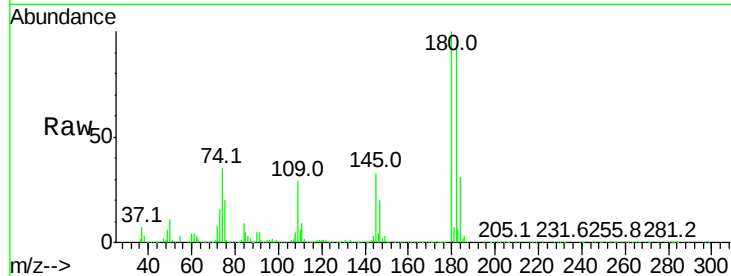




#67
 1,3,5-Trichlorobenzene
 Concen: 21.789 ug/L
 RT: 14.29 min Scan# 2131
 Delta R.T. 0.00 min
 Lab File: VR025300.D
 Acq: 15 Jun 2018 15:05

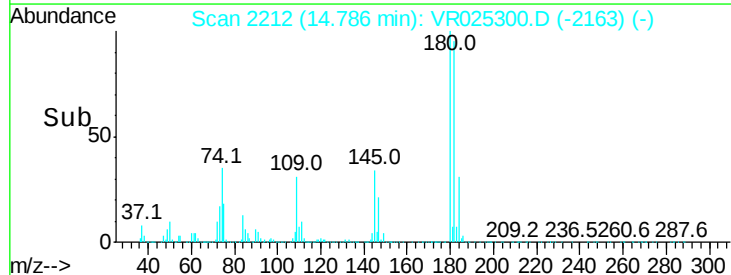
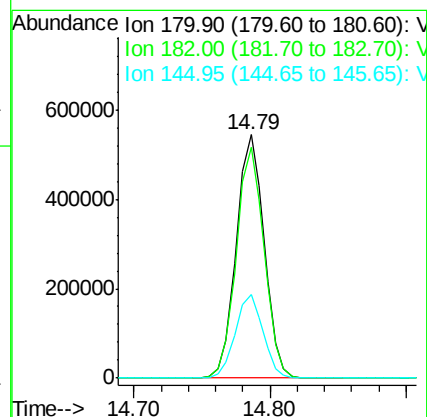
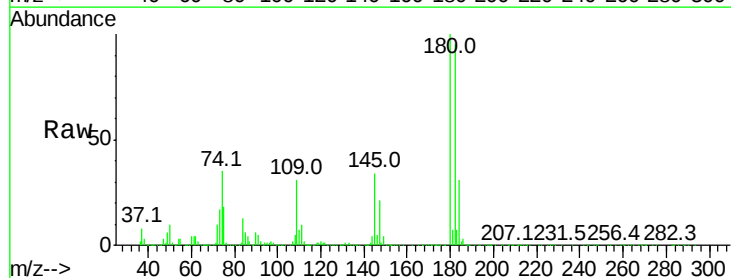
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD02087

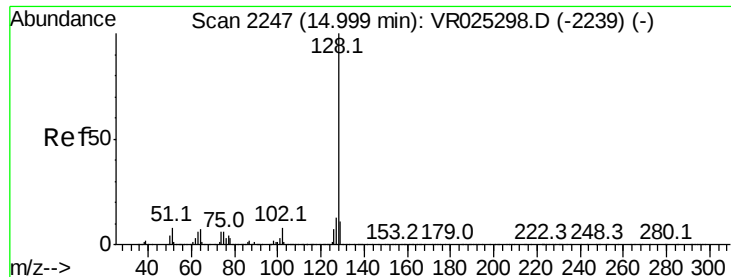
Tgt Ion:180 Resp: 1081964
 Ion Ratio Lower Upper
 180 100
 182 93.5 76.0 114.0
 184 29.8 24.5 36.7
 145 33.1 25.2 37.8



#68
 1,2,4-trichlorobenzene
 Concen: 23.346 ug/L
 RT: 14.79 min Scan# 2212
 Delta R.T. 0.00 min
 Lab File: VR025300.D
 Acq: 15 Jun 2018 15:05

Tgt Ion:180 Resp: 776271
 Ion Ratio Lower Upper
 180 100
 182 94.4 75.0 112.4
 145 33.9 27.3 40.9





#69

Naphthalene

Concen: 26.810 ug/L

RT: 15.00 min Scan# 2247

Delta R.T. 0.00 min

Lab File: VR025300.D

Acq: 15 Jun 2018 15:05

Instrument :

MSVOA_R

ClientSampleId :

VSTD02087

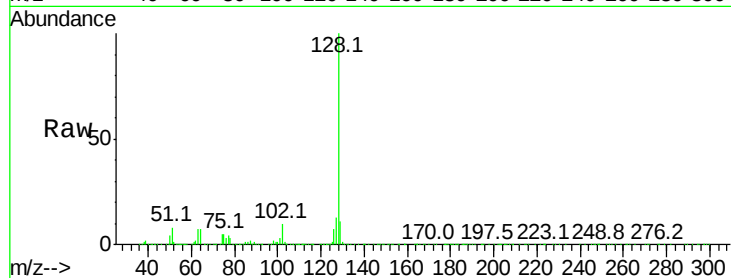
Tgt Ion:128 Resp: 1151330

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

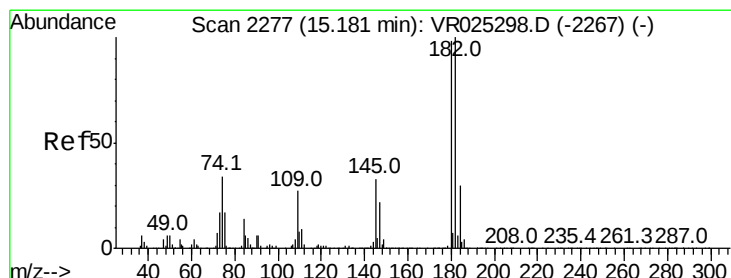
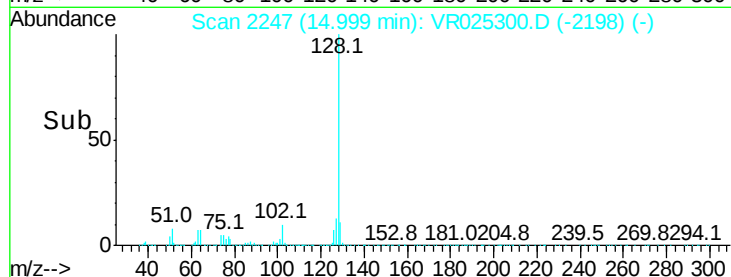
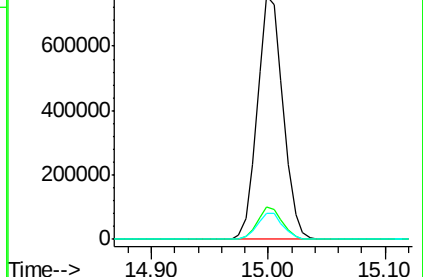
129 10.8 8.6 13.0



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: 23.049 ug/L

RT: 15.18 min Scan# 2277

Delta R.T. 0.00 min

Lab File: VR025300.D

Acq: 15 Jun 2018 15:05

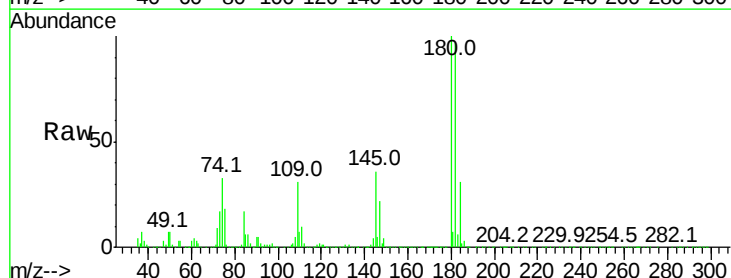
Tgt Ion:180 Resp: 596328

Ion Ratio Lower Upper

180 100

182 95.2 75.2 112.8

145 36.1 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

