

Data File : VR025299.D
Acq On : 15 Jun 2018 14:32
Operator : SY/MD
Sample : VSTD01086
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD01086

Quant Time: Jun 15 15:19:28 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	801582	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	622168	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	245084	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	250344	7.63	ug/L	0.00
7) Chloroethane-d5	2.64	69	179602	7.37	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.64	63	663386	7.92	ug/L	0.00
20) 2-Butanone-d5	6.59	46	730079	107.17	ug/L	0.00
24) Chloroform-d	7.20	84	982533	10.29	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.89	65	379326	9.89	ug/L	0.00
32) Benzene-d6	7.85	84	2116258	10.95	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.90	67	588212	10.28	ug/L	0.00
41) Toluene-d8	9.97	98	1891236	10.86	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	169548	11.94	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	591114	118.89	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	235671	9.82	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.51	152	401019	10.60	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	519277	9.387 ug/L	99
3) Chloromethane	2.01	50	342279	7.080 ug/L	98
5) Vinyl chloride	2.16	62	304058	7.019 ug/L	97
6) Bromomethane	2.53	94	128495	5.821 ug/L	99
8) Chloroethane	2.67	64	151852	6.513 ug/L	94
9) Trichlorofluoromethane	2.98	101	338859	5.817 ug/L	# 66
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	270382	7.751 ug/L	99
12) 1,1-Dichloroethene	3.66	96	268309	7.594 ug/L	95
13) Acetone	3.70	43	308064	73.550 ug/L	97
14) Carbon disulfide	3.97	76	610342	6.862 ug/L	100
15) Methyl Acetate	4.19	43	73312	7.119 ug/L	99
16) Methylene chloride	4.40	84	153109	4.429 ug/L	94
17) Methyl tert-butyl Ether	4.89	73	822676	10.310 ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	562152	8.904 ug/L	97
19) 1,1-Dichloroethane	5.69	63	1061450	9.713 ug/L	97
21) 2-Butanone	6.69	43	765489	92.205 ug/L	99
22) cis-1,2-Dichloroethene	6.67	96	582556	9.733 ug/L	# 93
23) Bromochloromethane	7.05	128	165717	9.354 ug/L	88
25) Chloroform	7.23	83	959809	9.588 ug/L	98
27) 1,2-Dichloroethane	7.99	62	436220	9.345 ug/L	# 94
29) 1,1,1-Trichloroethane	7.42	97	742512	11.123 ug/L	98
30) Cyclohexane	7.52	56	987411	10.761 ug/L	100
31) Carbon tetrachloride	7.64	117	685186	11.527 ug/L	100
33) Benzene	7.91	78	2343080	9.737 ug/L	100
34) Trichloroethene	8.71	95	583896	10.425 ug/L	98
35) Methylcyclohexane	8.96	83	967704	10.490 ug/L	99
37) 1,2-Dichloropropane	8.99	63	546526	9.767 ug/L	100
38) Bromodichloromethane	9.28	83	549087	10.820 ug/L	99
39) cis-1,3-Dichloropropene	9.72	75	684877	11.456 ug/L	97
40) 4-Methyl-2-pentanone	9.86	43	1789598	97.745 ug/L	99

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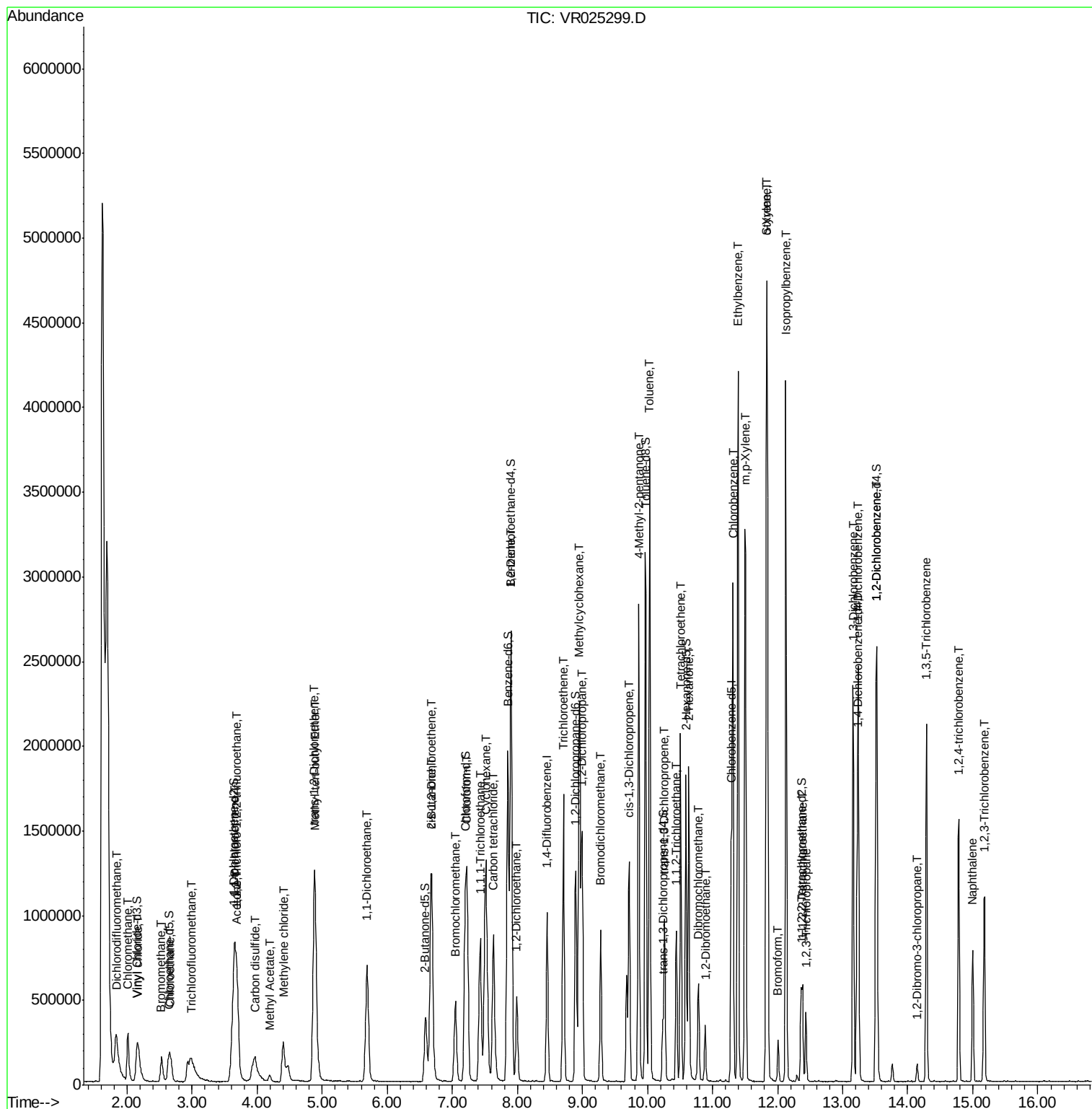
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.03	91	2383006	9.965	ug/L	99
44) trans-1,3-Dichloropropene	10.26	75	476070	11.323	ug/L	95
45) 1,1,2-Trichloroethane	10.44	97	243981	9.554	ug/L	97
47) Tetrachloroethene	10.51	164	399135	10.533	ug/L	96
48) 2-Hexanone	10.63	43	1156642	93.800	ug/L	98
49) Dibromochloromethane	10.78	129	263384	11.069	ug/L	96
50) 1,2-Dibromoethane	10.89	107	206339	10.187	ug/L #	93
51) Chlorobenzene	11.31	112	1323436	9.840	ug/L	98
52) Ethylbenzene	11.39	91	2632590	10.242	ug/L	99
53) m,p-Xylene	11.50	106	985346	10.343	ug/L	96
54) o-Xylene	11.83	106	897170	10.431	ug/L	96
55) Styrene	11.84	104	1405669	10.046	ug/L	99
56) Isopropylbenzene	12.13	105	2457628	10.873	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.38	83	228951	9.275	ug/L #	93
59) 1,2,3-Trichloropropane	12.44	75	161988	10.005	ug/L	97
61) Bromoform	12.01	173	95857	10.774	ug/L	97
62) 1,3-Dichlorobenzene	13.16	146	847609	10.613	ug/L	100
63) 1,4-Dichlorobenzene	13.24	146	813892	9.495	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	671556	9.855	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.15	75	24451	9.257	ug/L #	86
67) 1,3,5-Trichlorobenzene	14.29	180	561569	10.989	ug/L	99
68) 1,2,4-trichlorobenzene	14.79	180	396866	11.597	ug/L	100
69) Naphthalene	15.00	128	554300	12.542	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	307743	11.558	ug/L	100

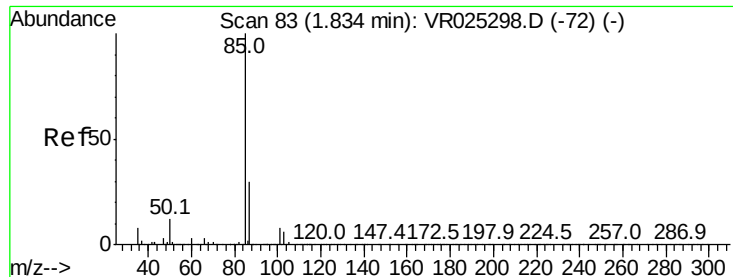
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 9.387 ug/L

RT: 1.83 min Scan# 83

Delta R.T. -0.00 min

Lab File: VR025299.D

Acq: 15 Jun 2018 14:32

Instrument :

MSVOA_R

ClientSampleId :

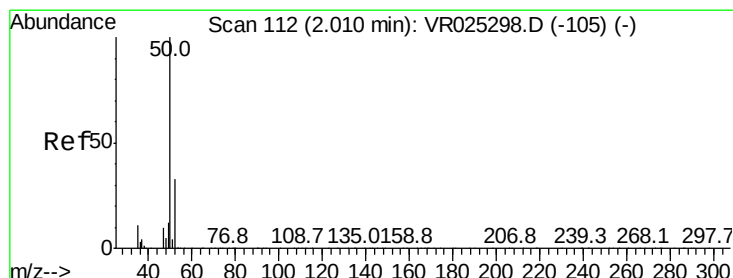
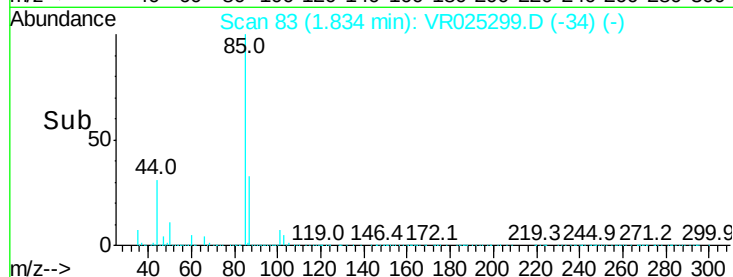
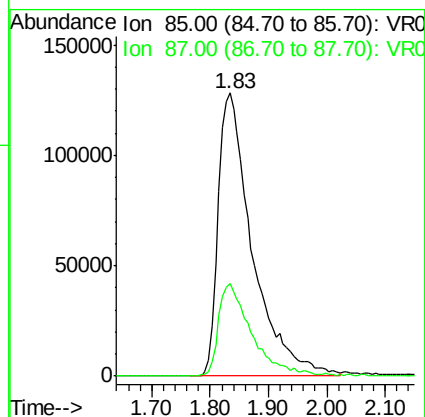
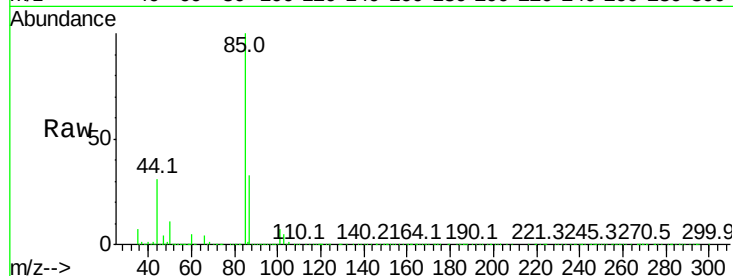
VSTD01086

Tgt Ion: 85 Resp: 519277

Ion Ratio Lower Upper

85 100

87 31.0 25.4 38.0



#3

Chloromethane

Concen: 7.080 ug/L

RT: 2.01 min Scan# 112

Delta R.T. -0.00 min

Lab File: VR025299.D

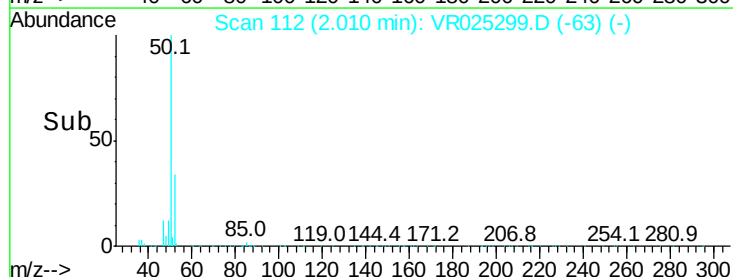
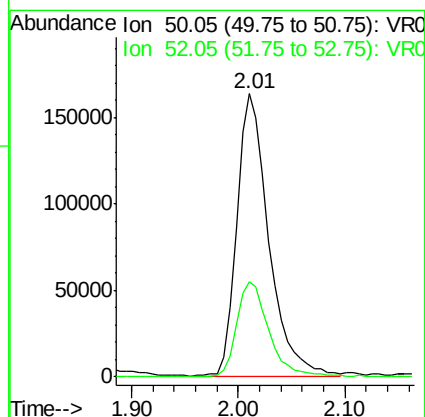
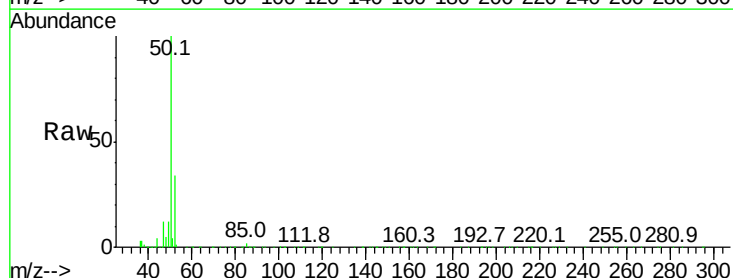
Acq: 15 Jun 2018 14:32

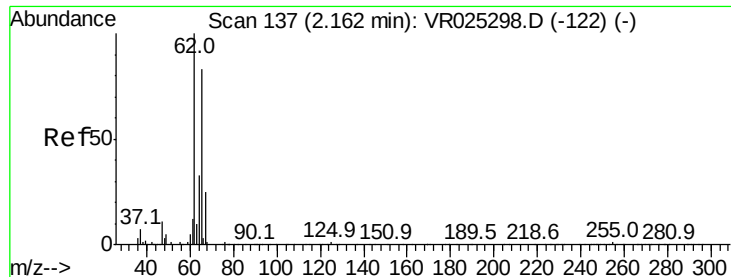
Tgt Ion: 50 Resp: 342279

Ion Ratio Lower Upper

50 100

52 33.8 22.8 42.4





#5

Vinyl chloride

Concen: 7.019 ug/L

RT: 2.16 min Scan# 137

Delta R.T. -0.00 min

Lab File: VR025299.D

Acq: 15 Jun 2018 14:32

Instrument :

MSVOA_R

ClientSampleId :

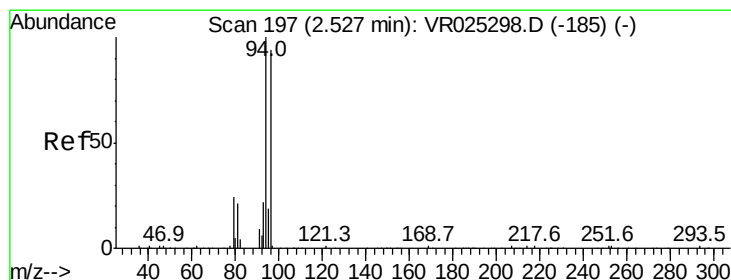
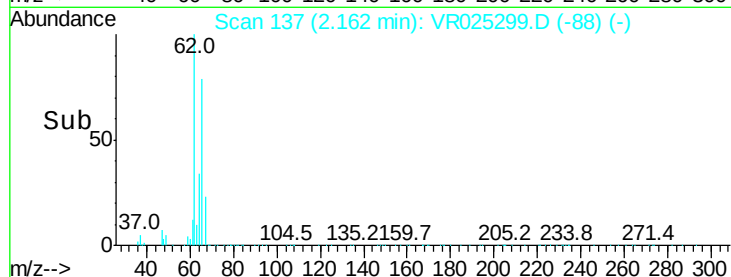
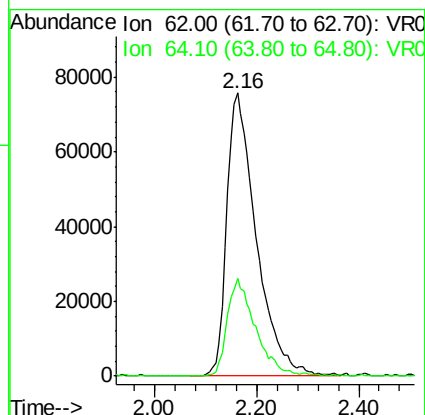
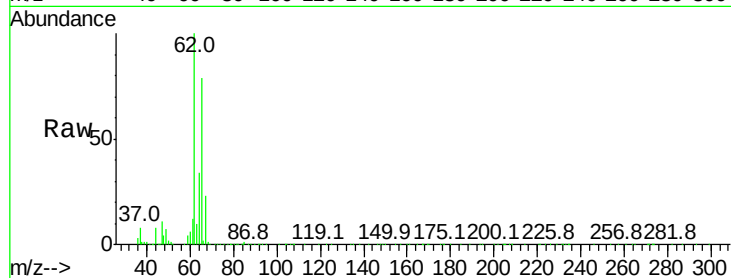
VSTD01086

Tgt Ion: 62 Resp: 304058

Ion Ratio Lower Upper

62 100

64 34.4 22.8 42.4



#6

Bromomethane

Concen: 5.821 ug/L

RT: 2.53 min Scan# 197

Delta R.T. -0.00 min

Lab File: VR025299.D

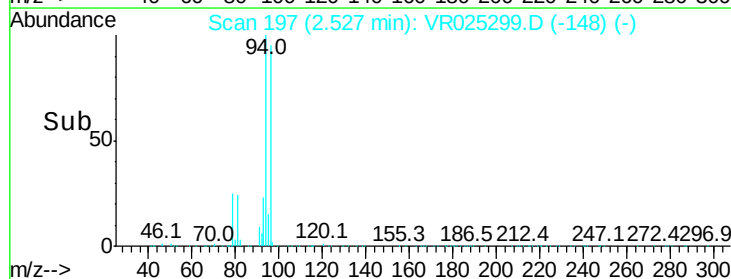
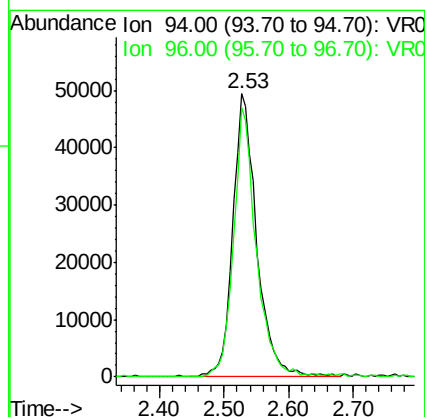
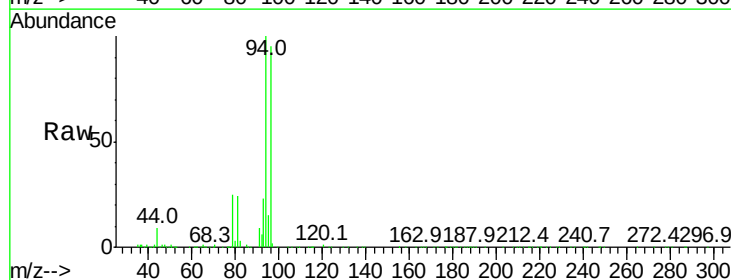
Acq: 15 Jun 2018 14:32

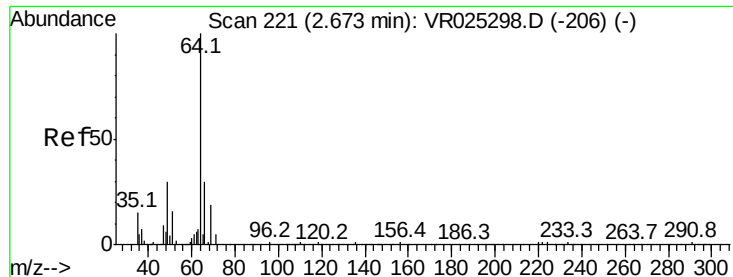
Tgt Ion: 94 Resp: 128495

Ion Ratio Lower Upper

94 100

96 95.1 65.9 122.3

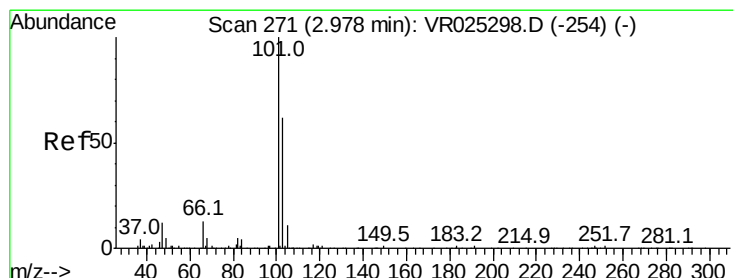
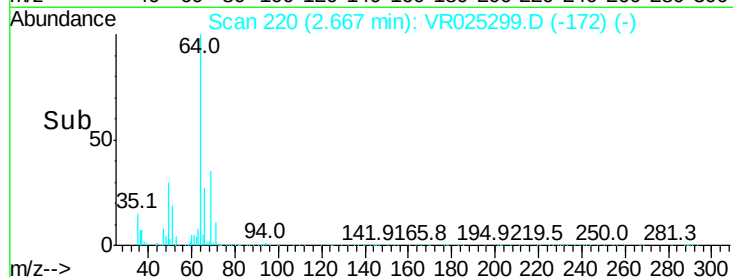
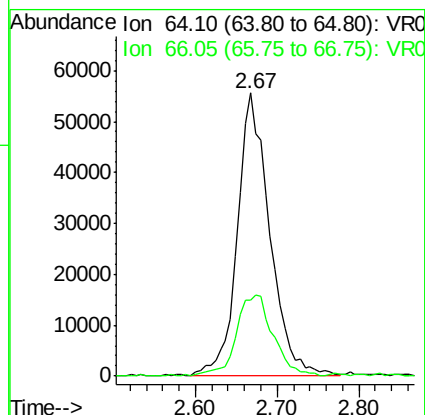
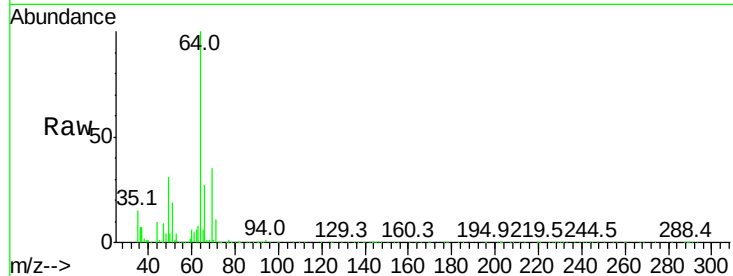




#8
Chloroethane
Concen: 6.513 ug/L
RT: 2.67 min Scan# 220
Delta R.T. -0.01 min
Lab File: VR025299.D
Acq: 15 Jun 2018 14:32

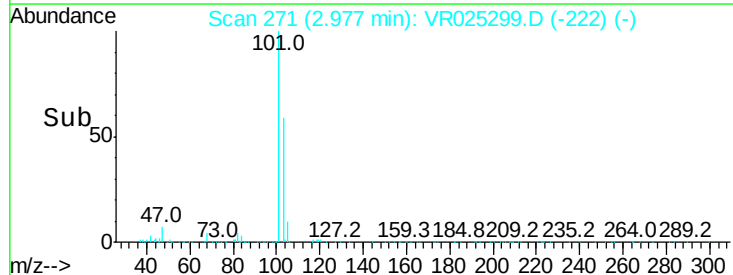
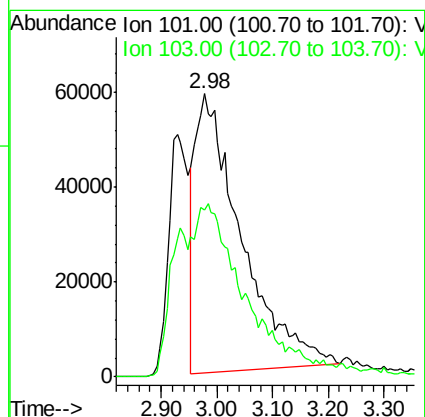
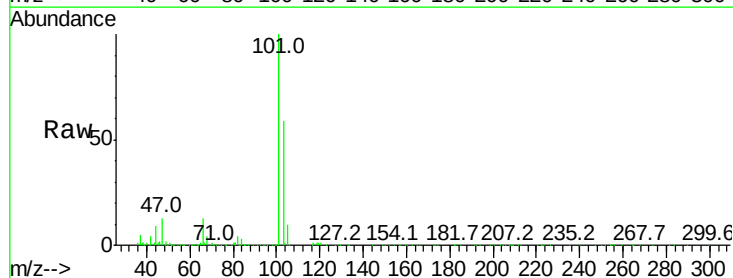
Instrument :
MSVOA_R
ClientSampleId :
VSTD01086

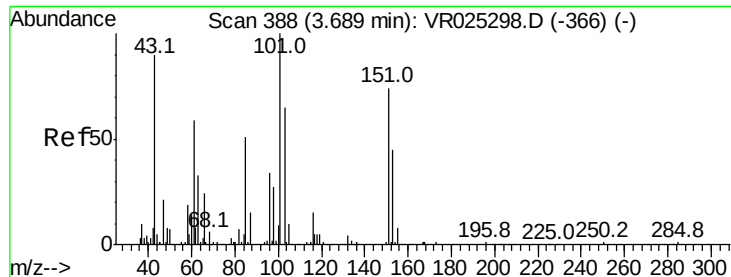
Tgt Ion: 64 Resp: 151852
Ion Ratio Lower Upper
64 100
66 26.9 21.3 39.5



#9
Trichlorofluoromethane
Concen: 5.817 ug/L
RT: 2.98 min Scan# 271
Delta R.T. -0.00 min
Lab File: VR025299.D
Acq: 15 Jun 2018 14:32

Tgt Ion: 101 Resp: 338859
Ion Ratio Lower Upper
101 100
103 0.0 11.0 16.4#





#10

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

Concen: 7.751 ug/L

RT: 3.68 min Scan# 387

Delta R.T. -0.01 min

Lab File: VR025299.D

Acq: 15 Jun 2018 14:32

Instrument :

MSVOA_R

ClientSampleId :

VSTD01086

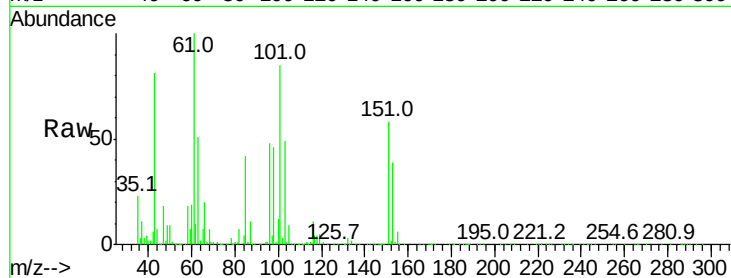
Tgt Ion: 101 Resp: 270382

Ion Ratio Lower Upper

101 100

85 48.7 39.1 58.7

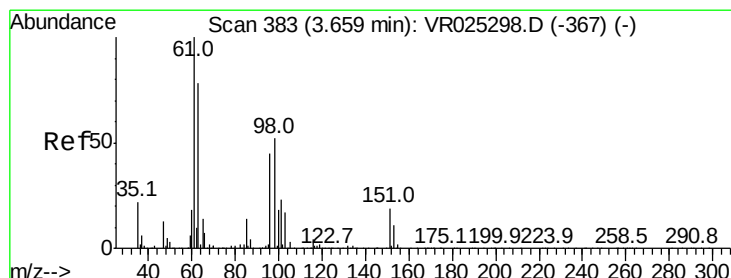
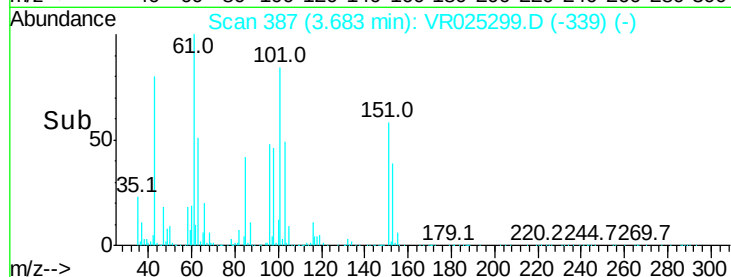
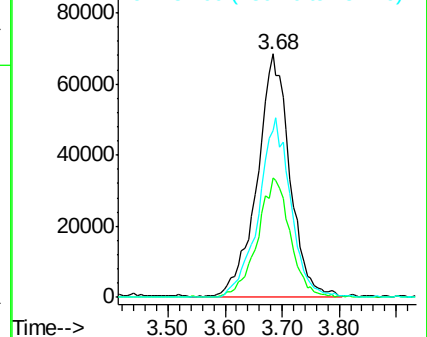
151 73.0 57.5 86.3



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: 7.594 ug/L

RT: 3.66 min Scan# 383

Delta R.T. -0.00 min

Lab File: VR025299.D

Acq: 15 Jun 2018 14:32

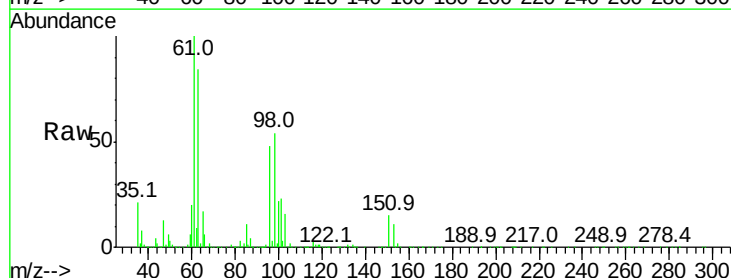
Tgt Ion: 96 Resp: 268309

Ion Ratio Lower Upper

96 100

61 207.7 155.0 287.9

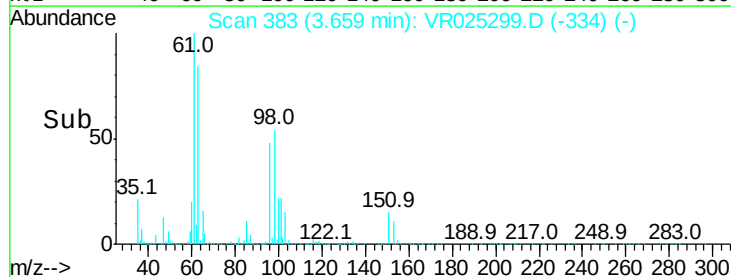
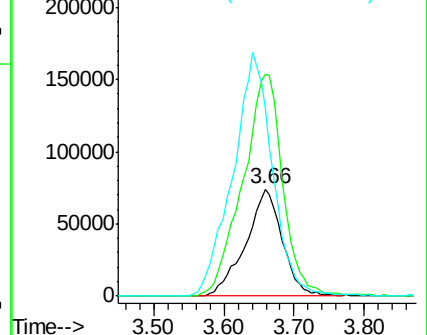
63 174.4 122.3 227.1

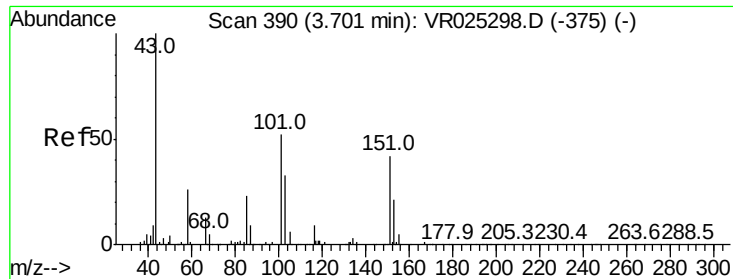


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0

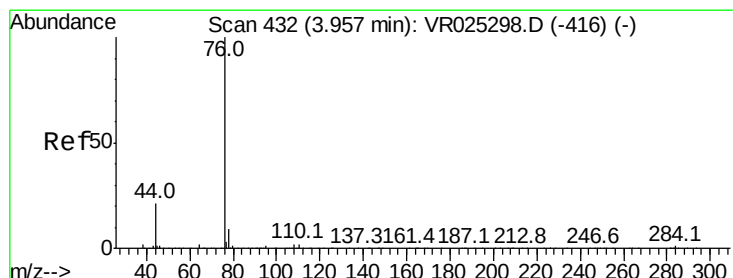
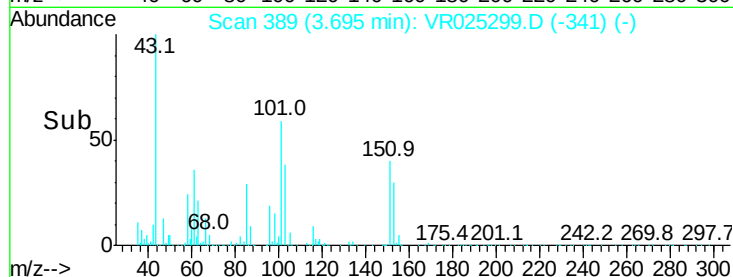
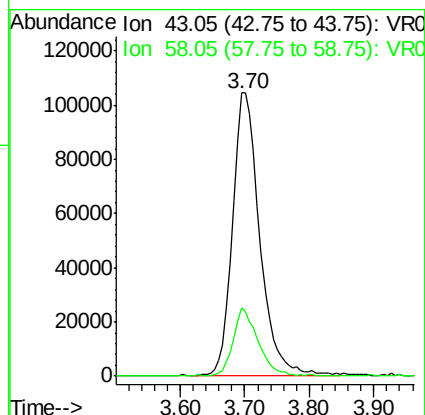
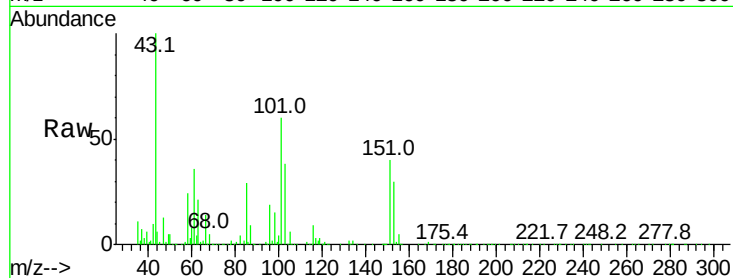




#13
Acetone
Concen: 73.550 ug/L
RT: 3.70 min Scan# 389
Delta R.T. -0.01 min
Lab File: VR025299.D
Acq: 15 Jun 2018 14:32

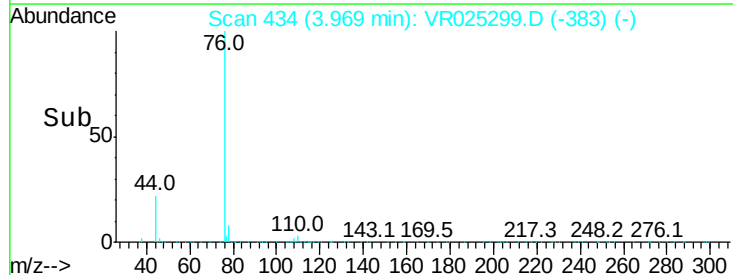
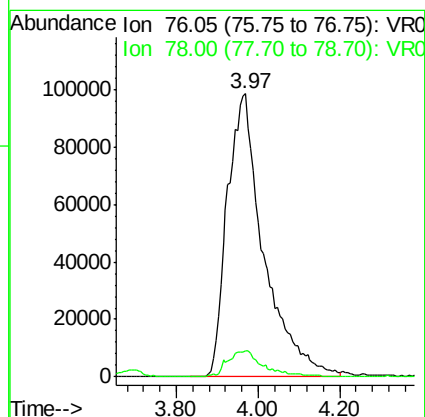
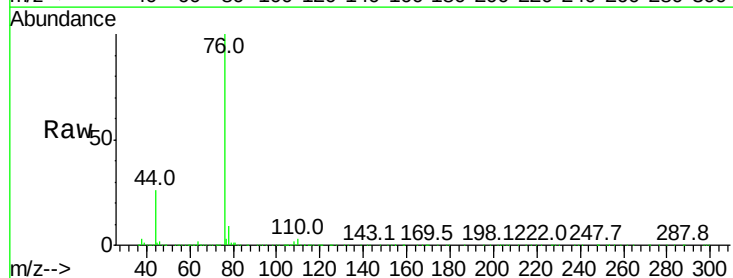
Instrument :
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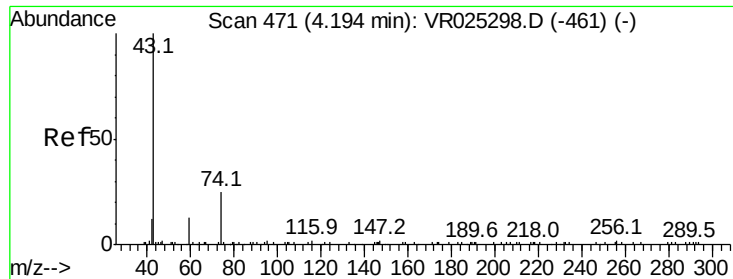
Tgt Ion: 43 Resp: 308064
Ion Ratio Lower Upper
43 100
58 22.0 0.0 41.6



#14
Carbon disulfide
Concen: 6.862 ug/L
RT: 3.97 min Scan# 434
Delta R.T. 0.01 min
Lab File: VR025299.D
Acq: 15 Jun 2018 14:32

Tgt Ion: 76 Resp: 610342
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.2





#15

Methyl Acetate

Concen: 7.119 ug/L

RT: 4.19 min Scan# 471

Delta R.T. -0.00 min

Lab File: VR025299.D

Acq: 15 Jun 2018 14:32

Instrument :

MSVOA_R

ClientSampled :

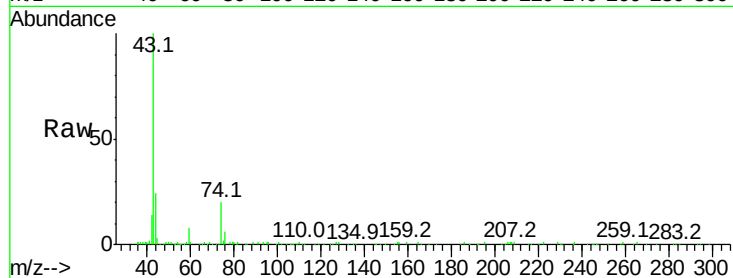
VSTD01086

Tgt Ion: 43 Resp: 73312

Ion Ratio Lower Upper

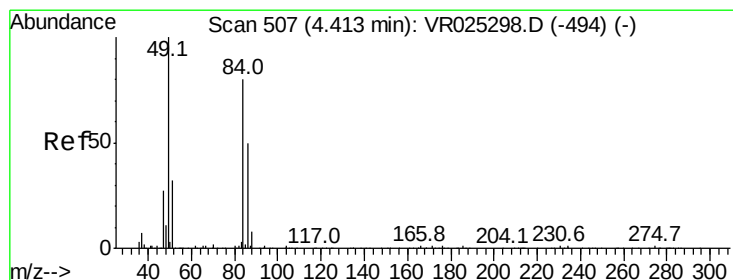
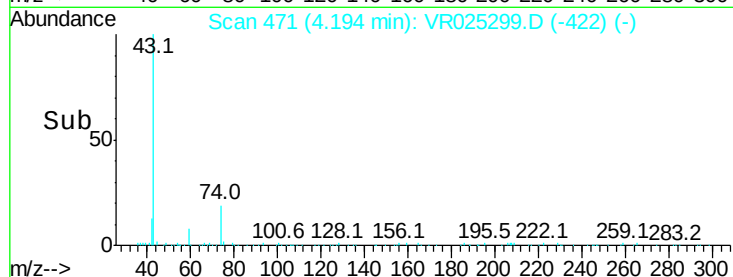
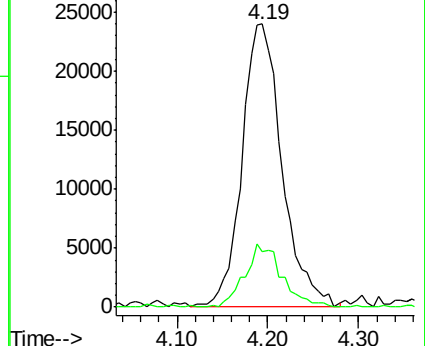
43 100

74 20.7 16.7 25.1



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 74.05 (73.75 to 74.75): VR0



#16

Methylene chloride

Concen: 4.429 ug/L

RT: 4.40 min Scan# 505

Delta R.T. -0.01 min

Lab File: VR025299.D

Acq: 15 Jun 2018 14:32

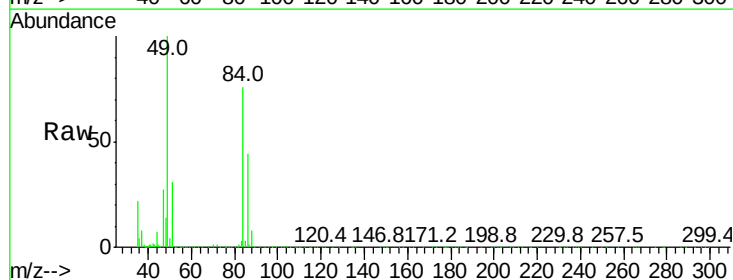
Tgt Ion: 84 Resp: 153109

Ion Ratio Lower Upper

84 100

86 58.2 43.7 81.1

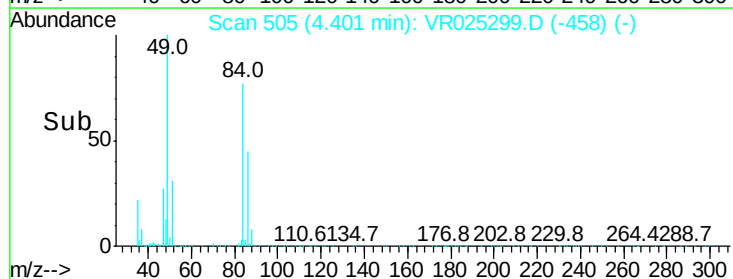
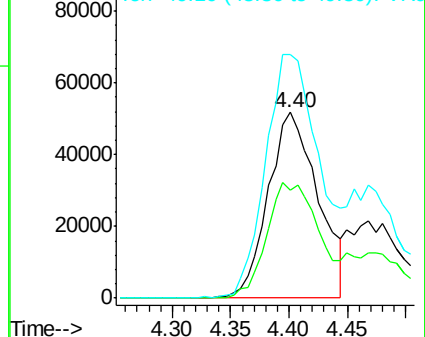
49 131.1 87.2 162.0

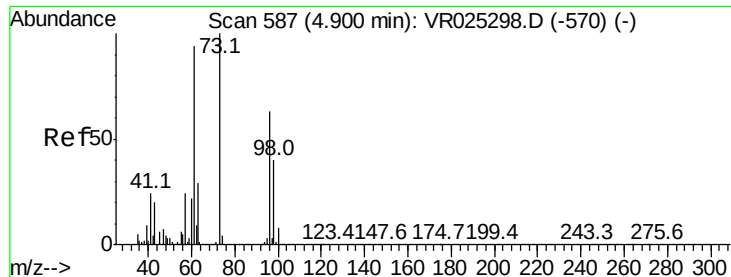


Abundance Ion 84.05 (83.75 to 84.75): VR0

Ion 86.00 (85.70 to 86.70): VR0

Ion 49.10 (48.80 to 49.80): VR0

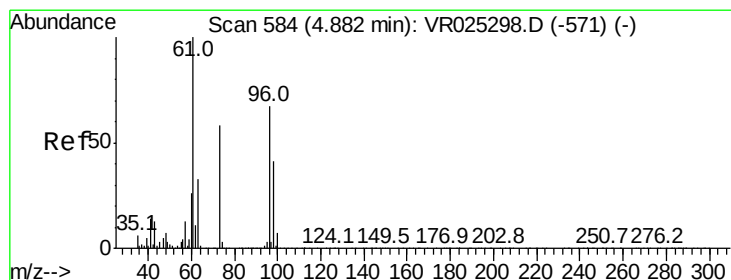
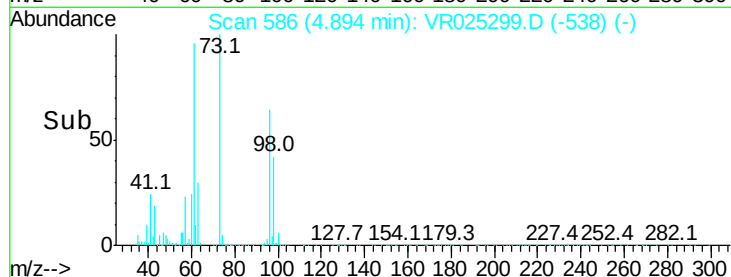
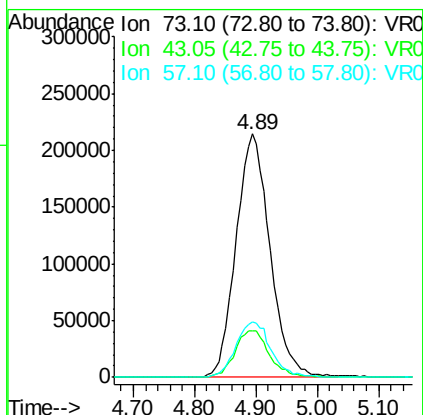
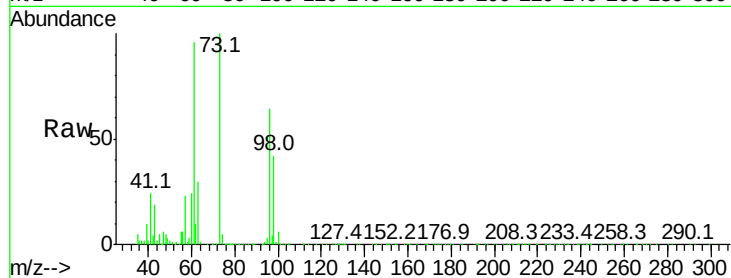




#17
Methyl tert-butyl Ether
Concen: 10.310 ug/L
RT: 4.89 min Scan# 586
Delta R.T. -0.01 min
Lab File: VR025299.D
Acq: 15 Jun 2018 14:32

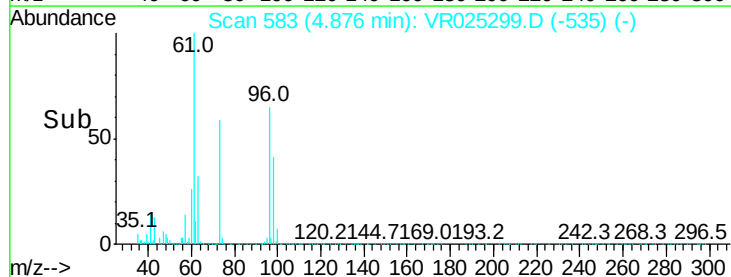
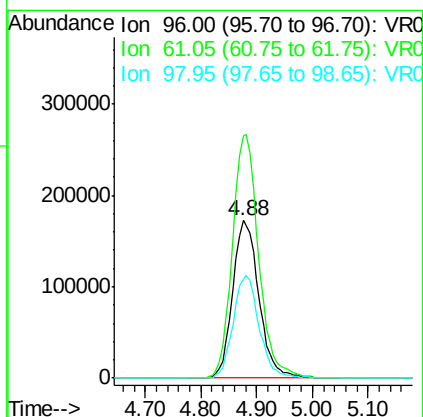
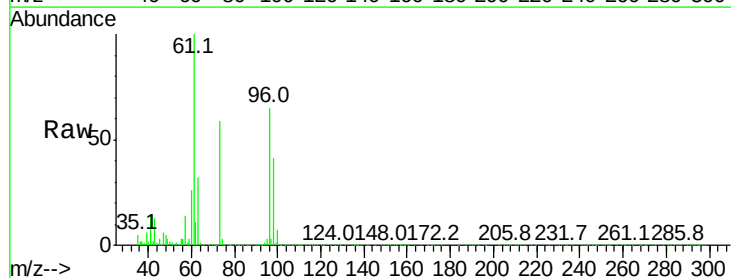
Instrument :
MSVOA_R
ClientSampleId :
VSTD01086

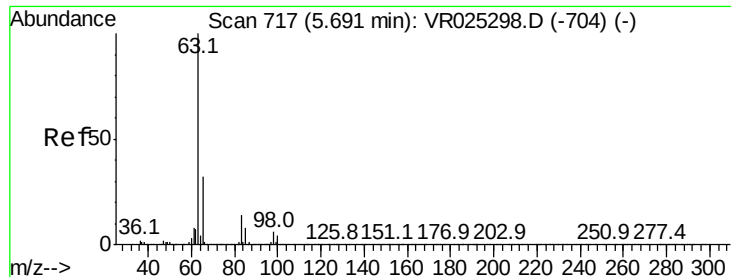
Tgt Ion: 73 Resp: 822676
Ion Ratio Lower Upper
73 100
43 19.3 15.8 23.6
57 23.6 19.0 28.4



#18
trans-1,2-Dichloroethene
Concen: 8.904 ug/L
RT: 4.88 min Scan# 583
Delta R.T. -0.01 min
Lab File: VR025299.D
Acq: 15 Jun 2018 14:32

Tgt Ion: 96 Resp: 562152
Ion Ratio Lower Upper
96 100
61 153.9 104.4 193.8
98 63.2 43.1 80.1





#19

1,1-Dichloroethane

Concen: 9.713 ug/L

RT: 5.69 min Scan# 717

Delta R.T. -0.00 min

Lab File: VR025299.D

Acq: 15 Jun 2018 14:32

Instrument :

MSVOA_R

ClientSampleId :

VSTD01086

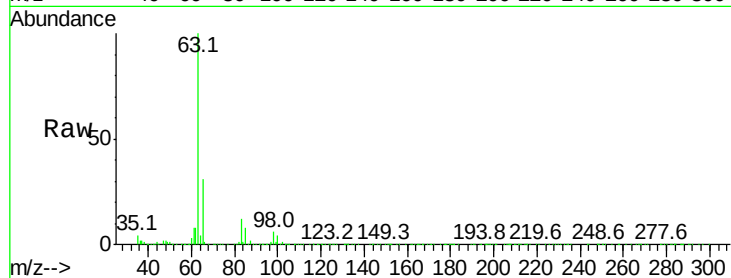
Tgt Ion: 63 Resp: 1061450

Ion Ratio Lower Upper

63 100

65 30.5 22.5 41.7

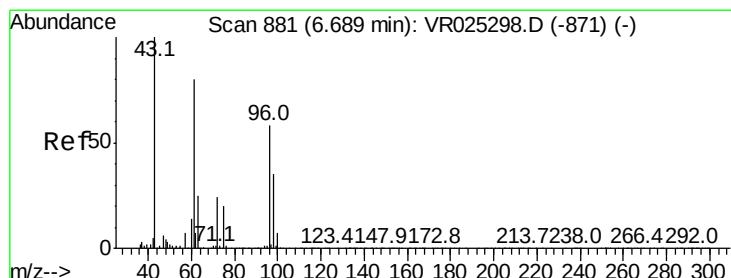
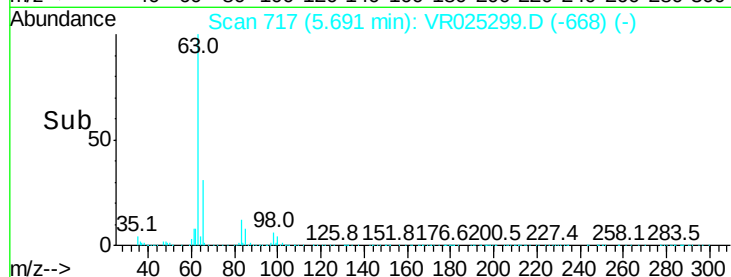
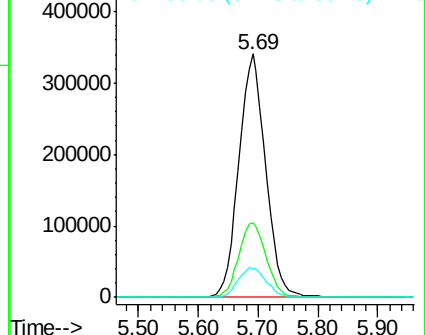
83 11.8 9.5 17.7



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 65.10 (64.80 to 65.80): VR0

Ion 83.05 (82.75 to 83.75): VR0



#21

2-Butanone

Concen: 92.205 ug/L

RT: 6.69 min Scan# 881

Delta R.T. -0.00 min

Lab File: VR025299.D

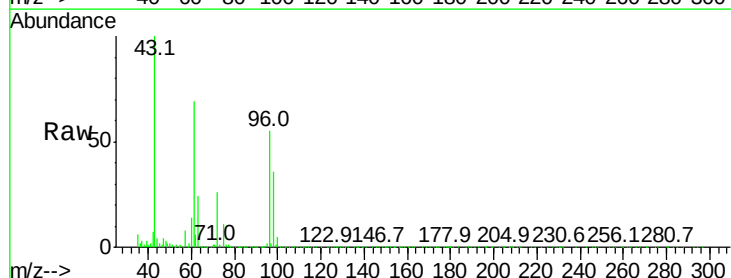
Acq: 15 Jun 2018 14:32

Tgt Ion: 43 Resp: 765489

Ion Ratio Lower Upper

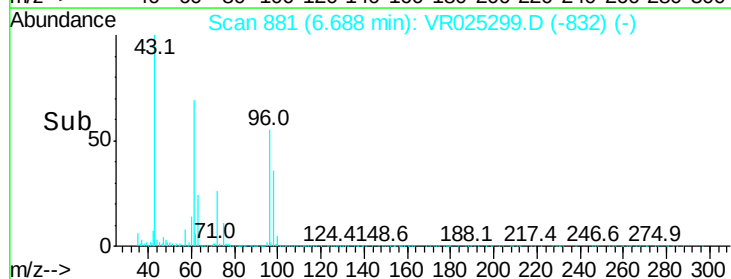
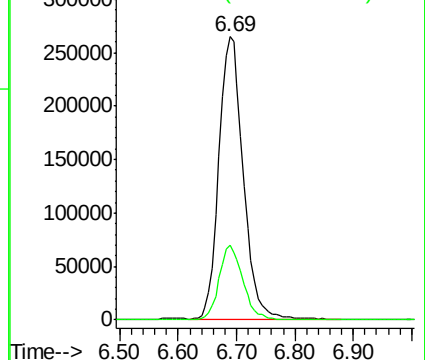
43 100

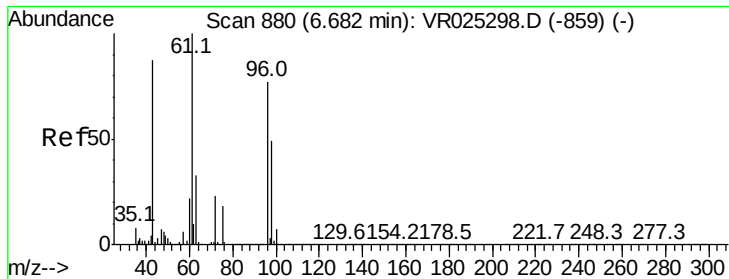
72 25.2 13.0 38.9



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 72.10 (71.80 to 72.80): VR0



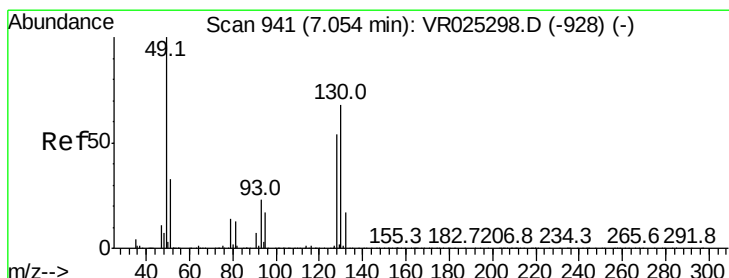
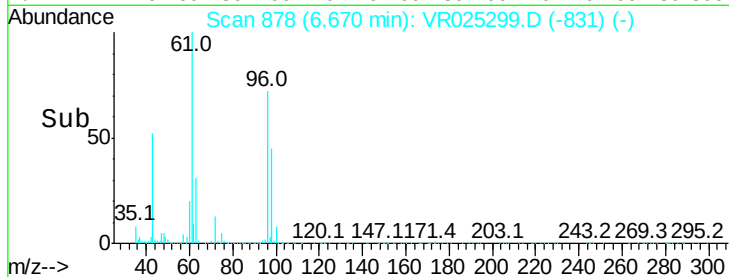
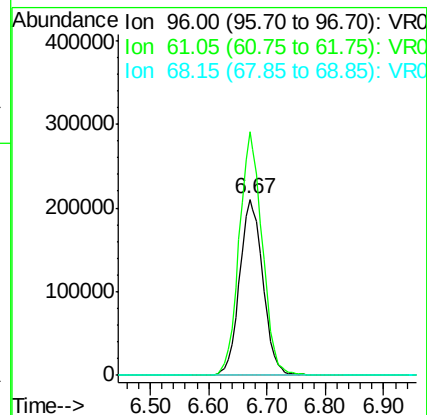
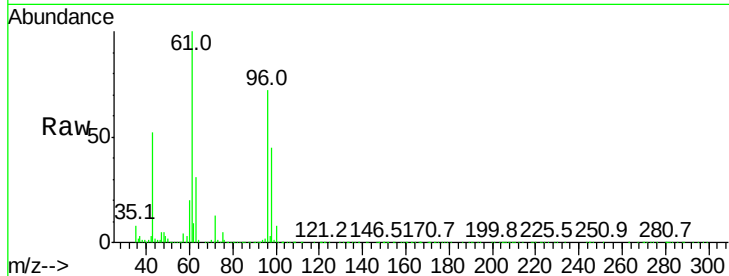


#22

cis-1,2-Dichloroethene
Concen: 9.733 ug/L
RT: 6.67 min Scan# 878
Delta R.T. -0.01 min
Lab File: VR025299.D
Acq: 15 Jun 2018 14:32

Instrument :
MSVOA_R
ClientSampleId :
VSTD01086

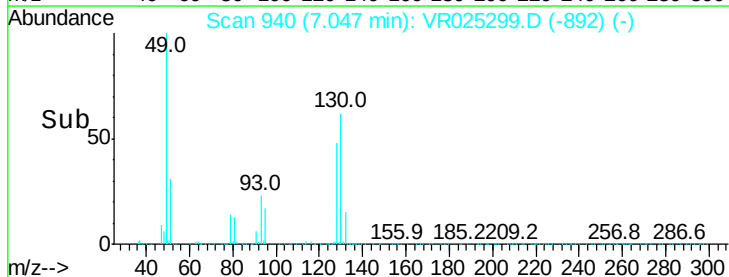
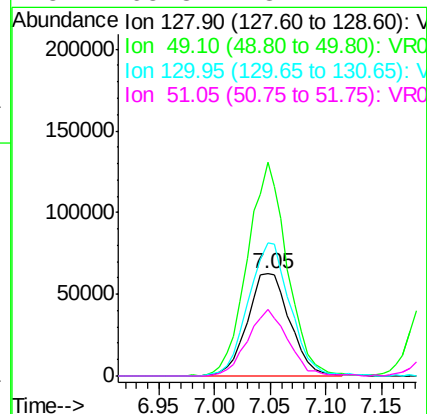
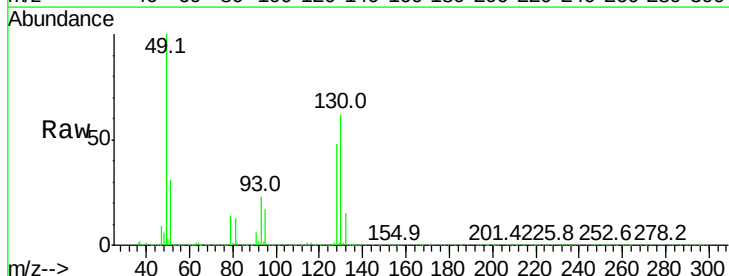
Tgt Ion	Ratio	Lower	Upper
96	100		
61	138.4	91.0	169.0
68	0.0	0.0	0.0#

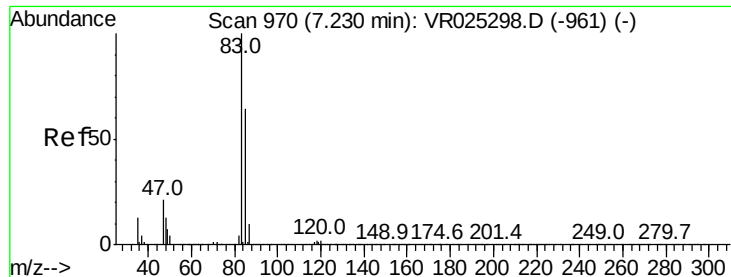


#23

Bromochloromethane
Concen: 9.354 ug/L
RT: 7.05 min Scan# 940
Delta R.T. -0.01 min
Lab File: VR025299.D
Acq: 15 Jun 2018 14:32

Tgt Ion	Ratio	Lower	Upper
128	100		
49	209.8	128.7	238.9
130	130.8	87.2	161.9
51	65.8	48.2	72.2





#25

Chloroform

Concen: 9.588 ug/L

RT: 7.23 min Scan# 970

Delta R.T. -0.00 min

Lab File: VR025299.D

Acq: 15 Jun 2018 14:32

Instrument :

MSVOA_R

ClientSampleId :

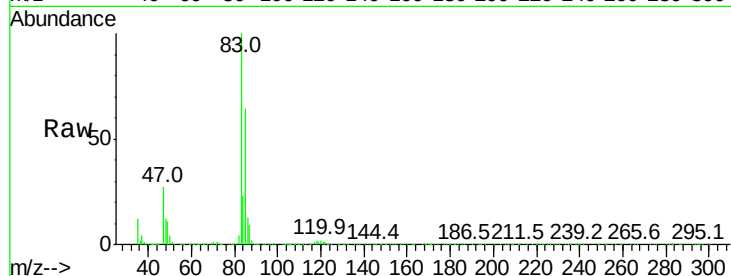
VSTD01086

Tgt Ion: 83 Resp: 959809

Ion Ratio Lower Upper

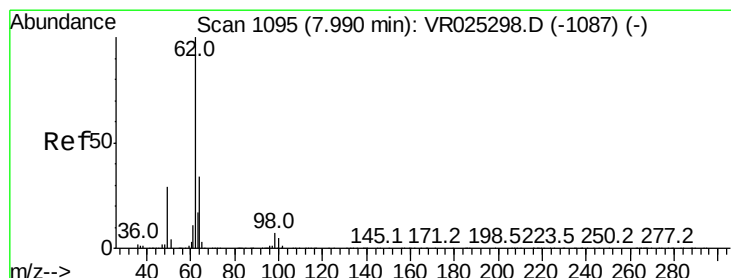
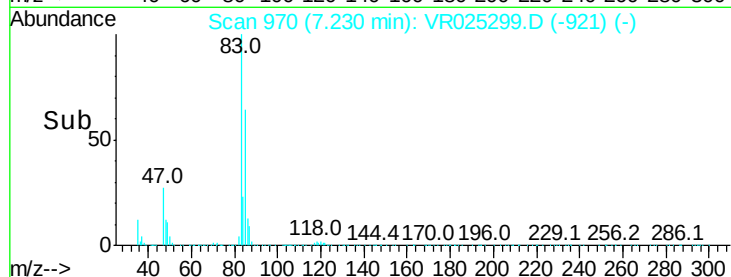
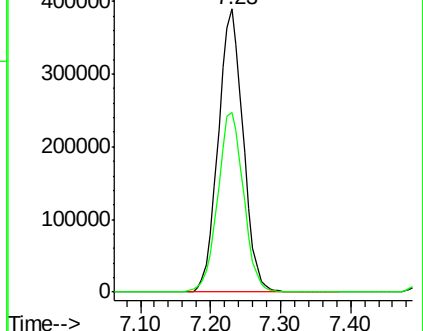
83 100

85 63.6 45.4 84.4



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0



#27

1,2-Dichloroethane

Concen: 9.345 ug/L

RT: 7.99 min Scan# 1095

Delta R.T. -0.00 min

Lab File: VR025299.D

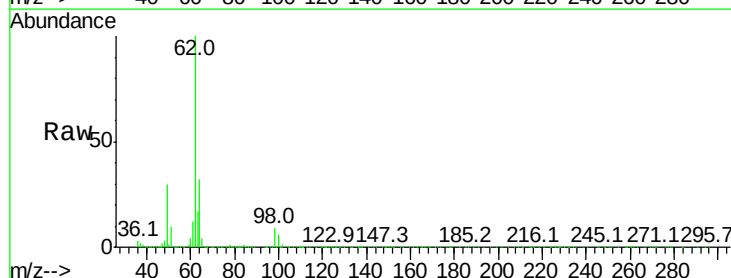
Acq: 15 Jun 2018 14:32

Tgt Ion: 62 Resp: 436220

Ion Ratio Lower Upper

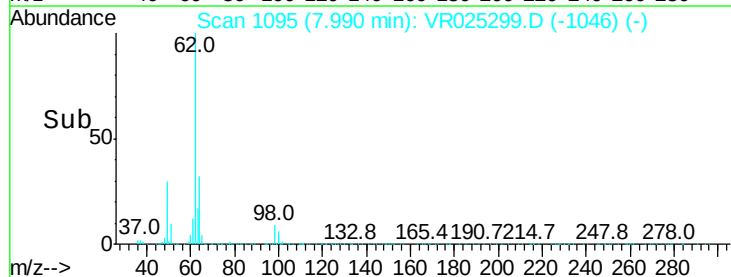
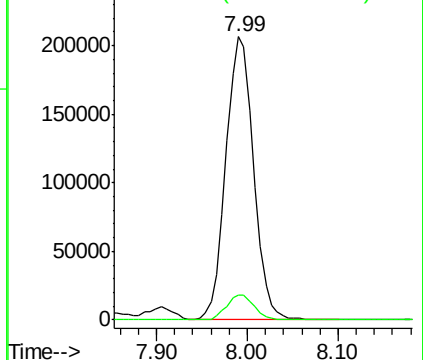
62 100

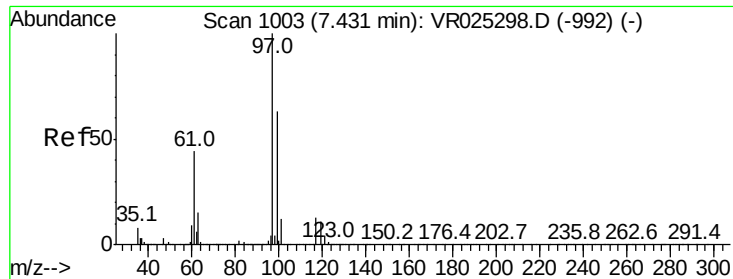
98 8.8 5.4 8.2#



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 98.05 (97.75 to 98.75): VR0

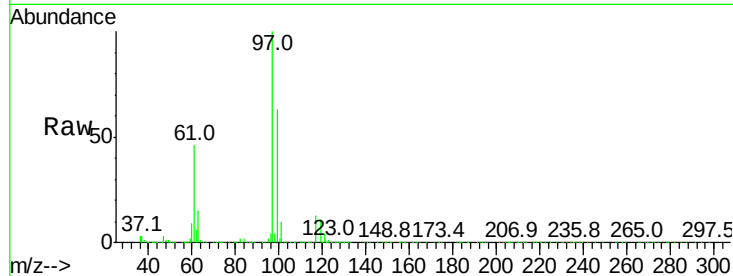




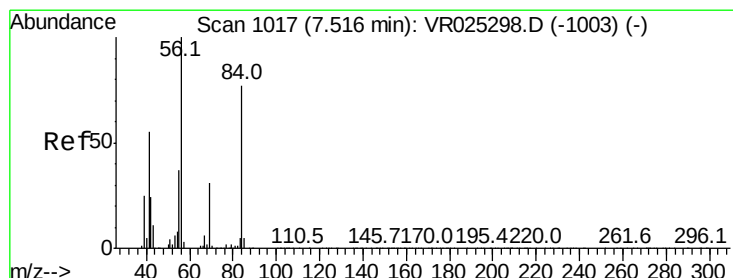
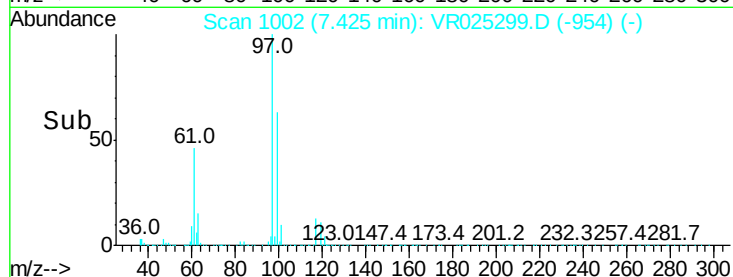
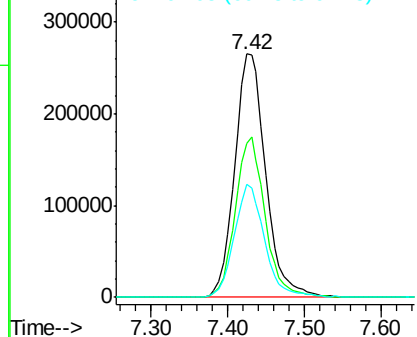
#29
1,1,1-Trichloroethane
Concen: 11.123 ug/L
RT: 7.42 min Scan# 1002
Delta R.T. -0.01 min
Lab File: VR025299.D
Acq: 15 Jun 2018 14:32

Instrument :
MSVOA_R
ClientSampleId :
VSTD01086

Tgt Ion: 97 Resp: 742512
Ion Ratio Lower Upper
97 100
99 63.5 52.1 78.1
61 45.6 37.0 55.6

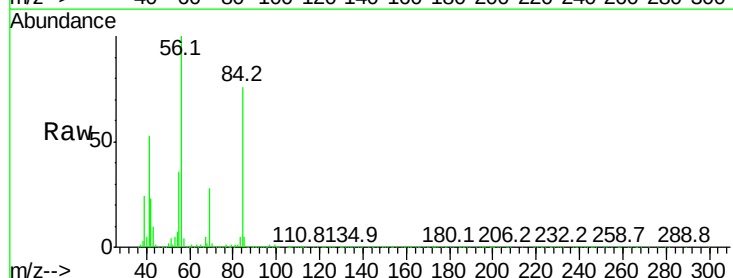


Abundance Ion 96.95 (96.65 to 97.65): VR0
Ion 99.05 (98.75 to 99.75): VR0
Ion 61.05 (60.75 to 61.75): VR0

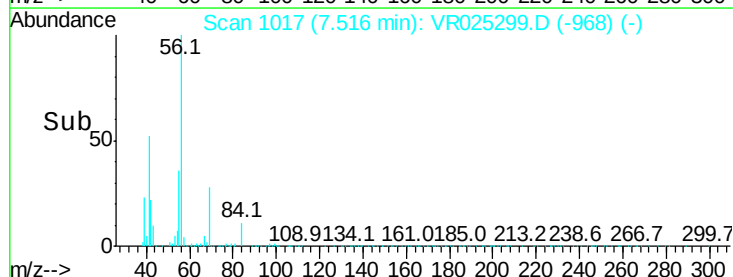
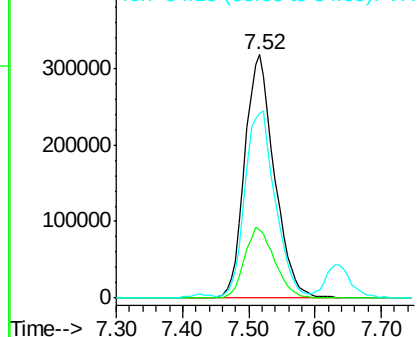


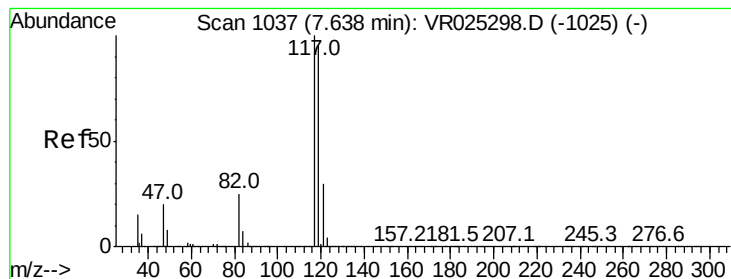
#30
Cyclohexane
Concen: 10.761 ug/L
RT: 7.52 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VR025299.D
Acq: 15 Jun 2018 14:32

Tgt Ion: 56 Resp: 987411
Ion Ratio Lower Upper
56 100
69 29.3 23.7 35.5
84 78.5 62.6 93.8



Abundance Ion 56.10 (55.80 to 56.80): VR0
Ion 69.15 (68.85 to 69.85): VR0
Ion 84.15 (83.85 to 84.85): VR0





#31

Carbon tetrachloride

Concen: 11.527 ug/L

RT: 7.64 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VR025299.D

Acq: 15 Jun 2018 14:32

Instrument :

MSVOA_R

ClientSampleId :

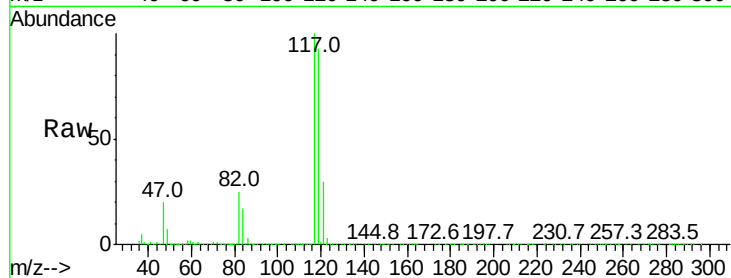
VSTD01086

Tgt Ion:117 Resp: 685186

Ion Ratio Lower Upper

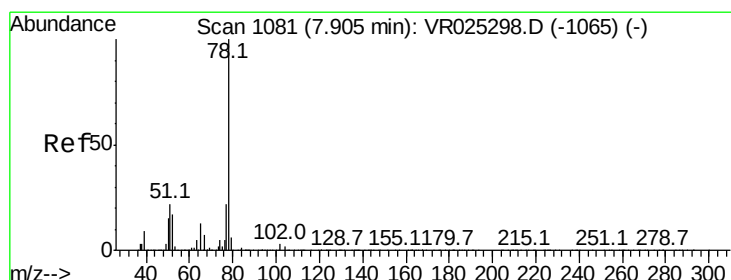
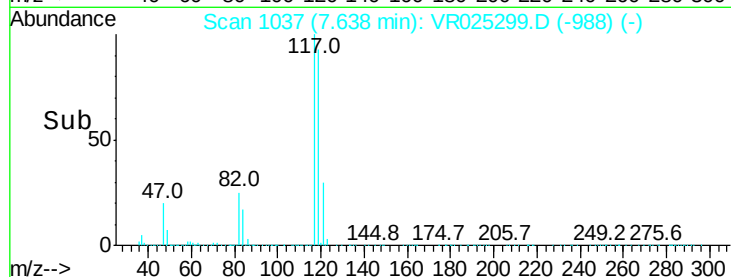
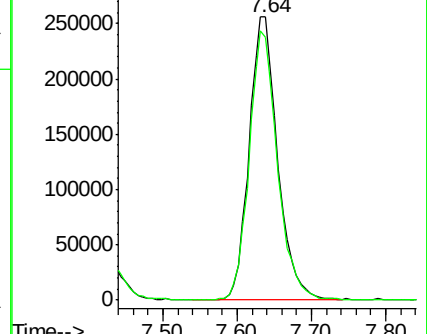
117 100

119 94.6 75.5 113.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 9.737 ug/L

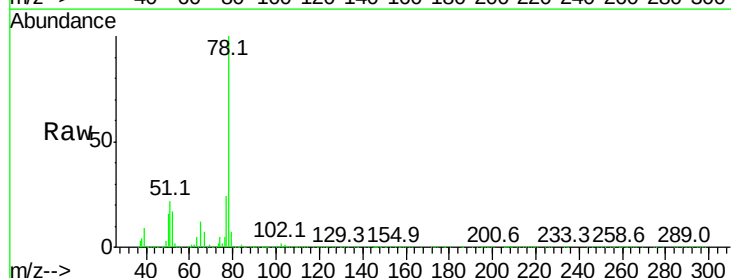
RT: 7.91 min Scan# 1081

Delta R.T. -0.00 min

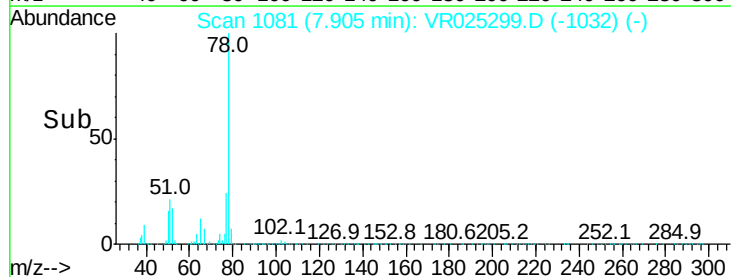
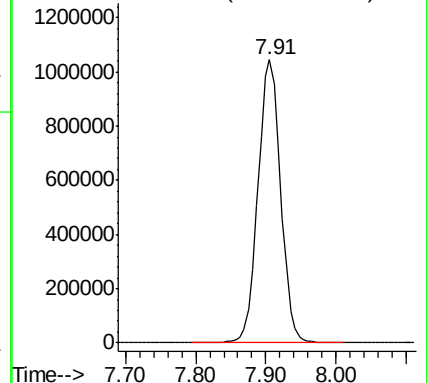
Lab File: VR025299.D

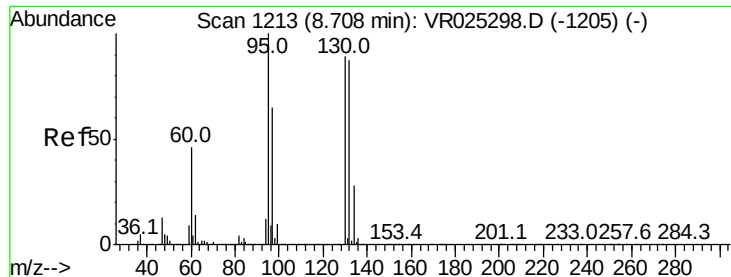
Acq: 15 Jun 2018 14:32

Tgt Ion: 78 Resp: 2343080



Abundance Ion 78.10 (77.80 to 78.80): VR0





#34

Trichloroethene

Concen: 10.425 ug/L

RT: 8.71 min Scan# 1213

Delta R.T. -0.00 min

Lab File: VR025299.D

Acq: 15 Jun 2018 14:32

Instrument :

MSVOA_R

ClientSampleId :

VSTD01086

Tgt Ion: 95 Resp: 583896

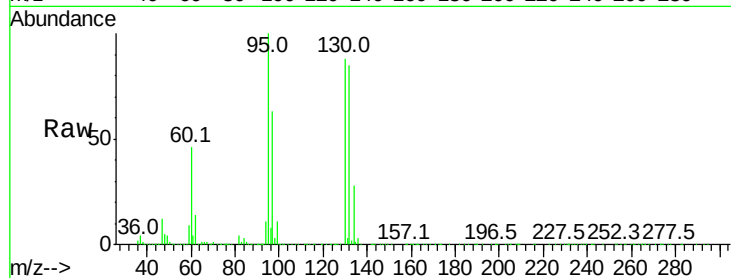
Ion Ratio Lower Upper

95 100

97 62.6 45.6 84.6

132 85.1 60.9 113.1

130 88.3 62.0 115.2

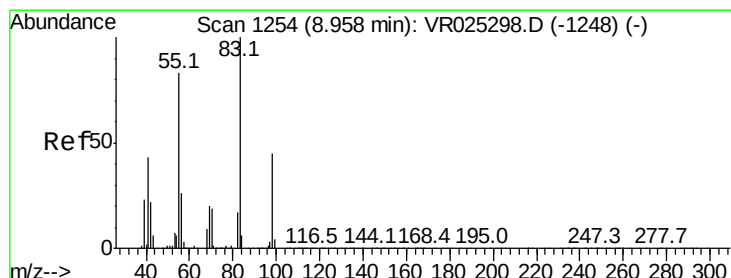
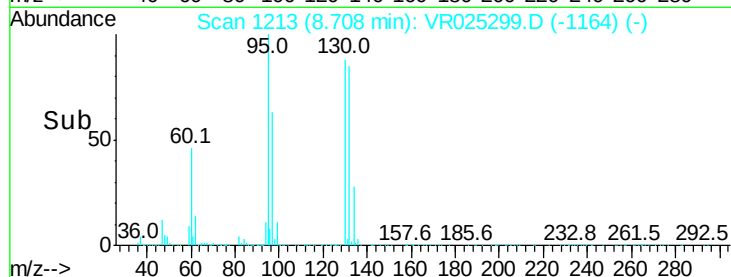
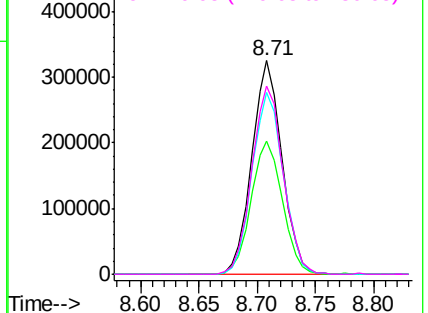


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 10.490 ug/L

RT: 8.96 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VR025299.D

Acq: 15 Jun 2018 14:32

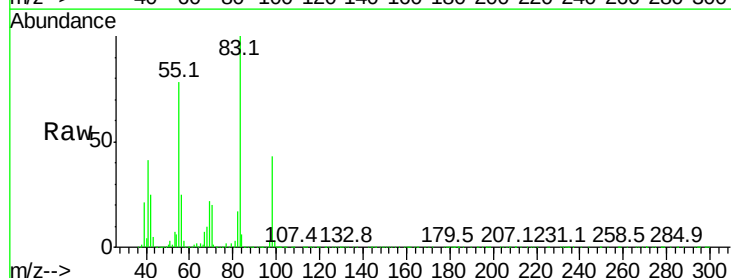
Tgt Ion: 83 Resp: 967704

Ion Ratio Lower Upper

83 100

55 83.2 66.1 99.1

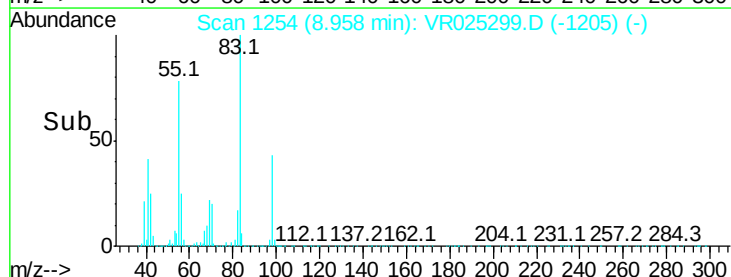
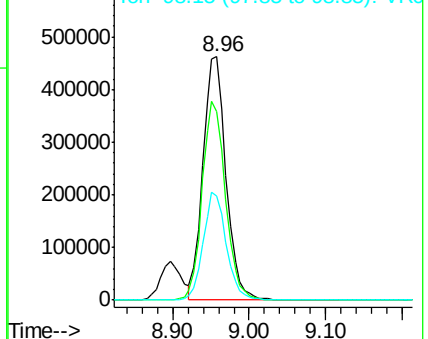
98 44.7 36.2 54.4

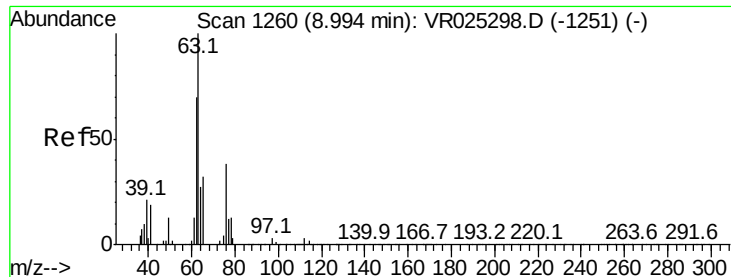


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 9.767 ug/L

RT: 8.99 min Scan# 1260

Delta R.T. -0.00 min

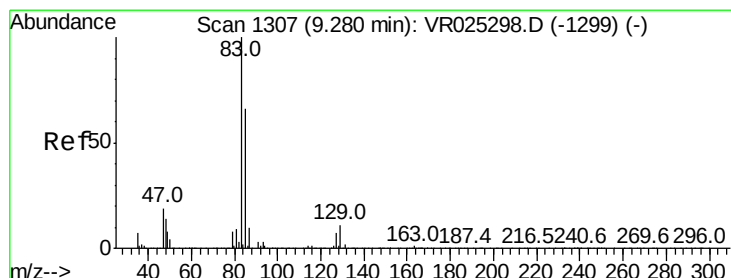
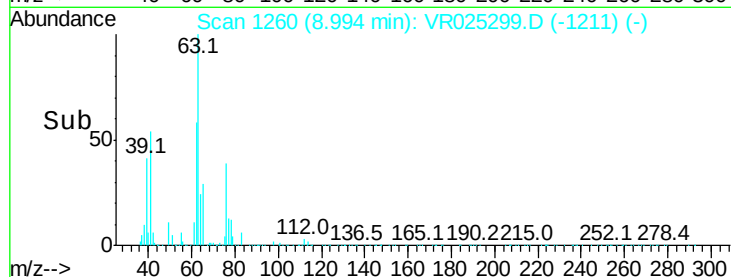
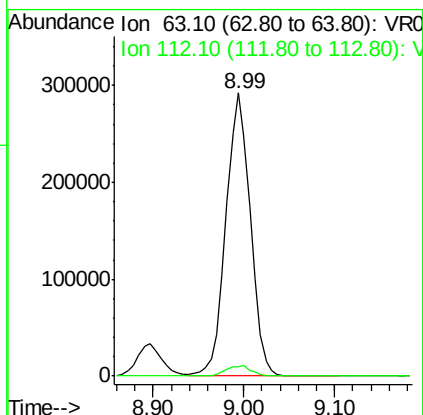
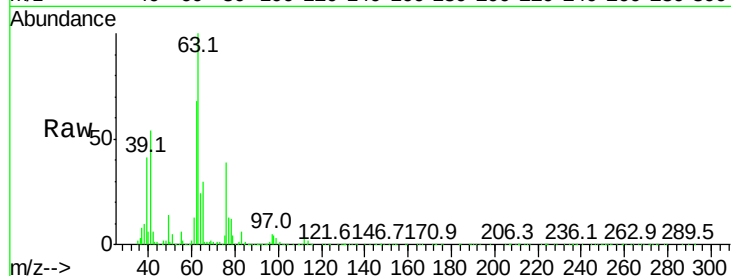
Lab File: VR025299.D

Acq: 15 Jun 2018 14:32

Instrument :
MSVOA_R
ClientSampleId :
VSTD01086

Tgt Ion: 63 Resp: 546526

Ion	Ratio	Lower	Upper
63	100		
112	3.7	2.9	4.3



#38

Bromodichloromethane

Concen: 10.820 ug/L

RT: 9.28 min Scan# 1307

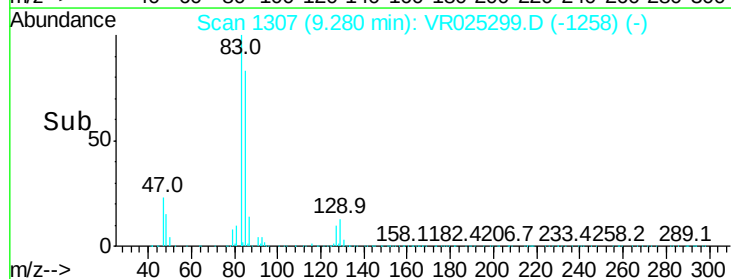
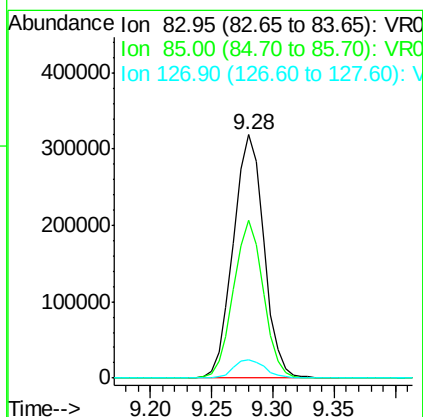
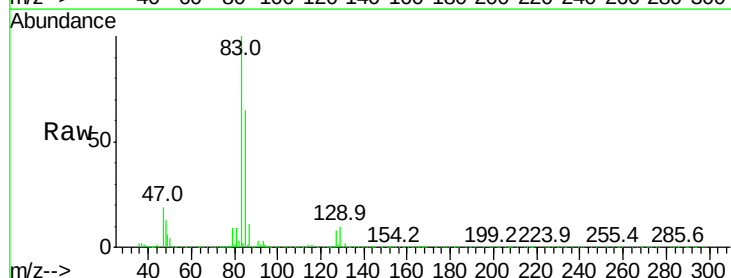
Delta R.T. -0.00 min

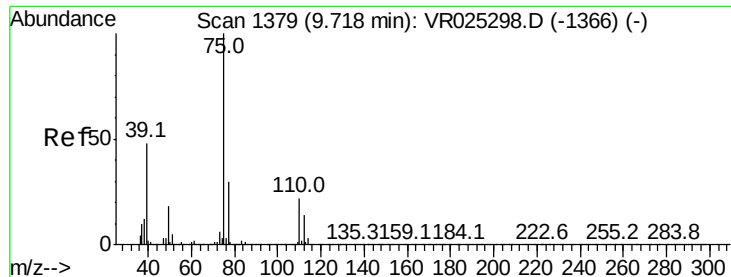
Lab File: VR025299.D

Acq: 15 Jun 2018 14:32

Tgt Ion: 83 Resp: 549087

Ion	Ratio	Lower	Upper
83	100		
85	64.9	46.1	85.7
127	7.6	5.7	8.5





#39

cis-1,3-Dichloropropene

Concen: 11.456 ug/L

RT: 9.72 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VR025299.D

Acq: 15 Jun 2018 14:32

Instrument :

MSVOA_R

ClientSampleId :

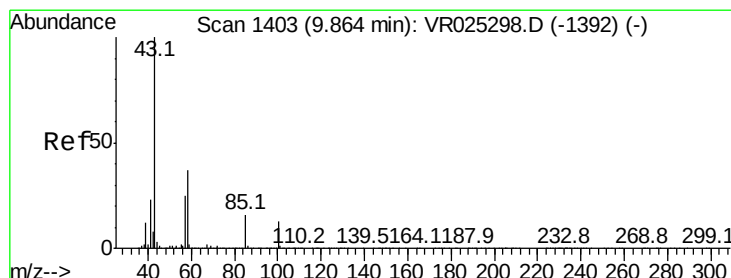
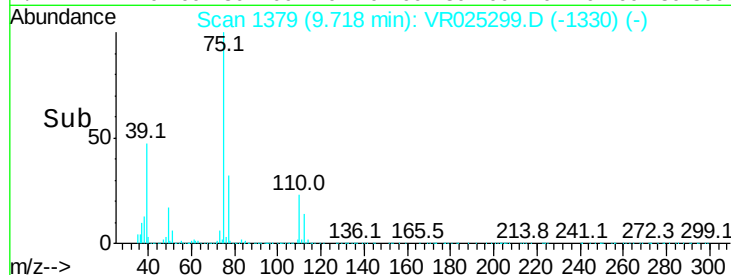
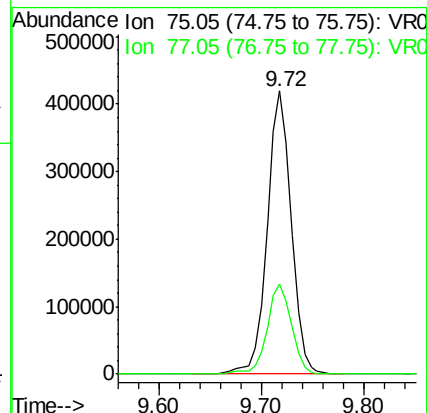
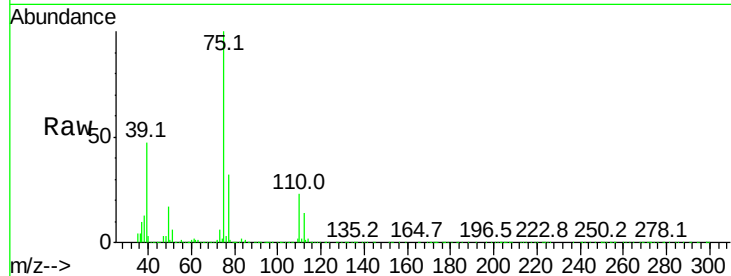
VSTD01086

Tgt Ion: 75 Resp: 684877

Ion Ratio Lower Upper

75 100

77 31.9 21.1 39.1



#40

4-Methyl-2-pentanone

Concen: 97.745 ug/L

RT: 9.86 min Scan# 1403

Delta R.T. -0.00 min

Lab File: VR025299.D

Acq: 15 Jun 2018 14:32

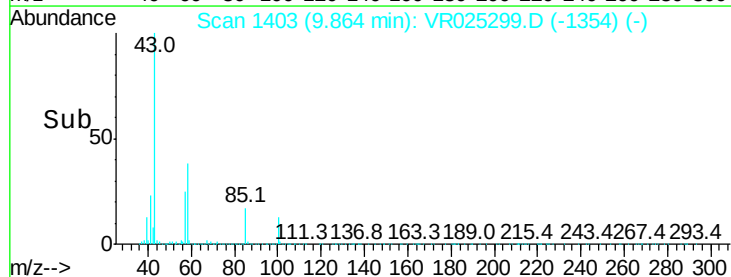
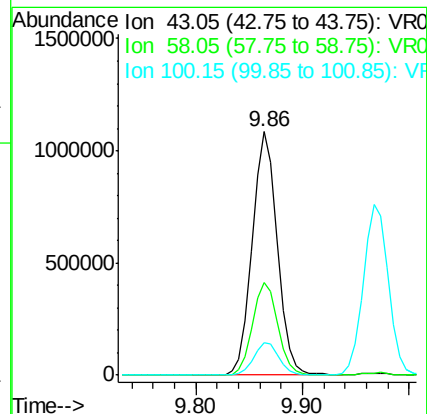
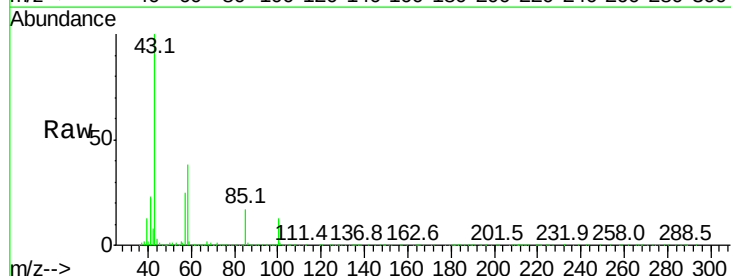
Tgt Ion: 43 Resp: 1789598

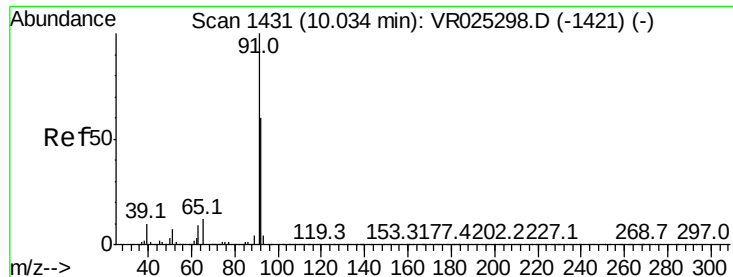
Ion Ratio Lower Upper

43 100

58 38.6 30.3 45.5

100 13.4 10.3 15.5





#42

Toluene

Concen: 9.965 ug/L

RT: 10.03 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VR025299.D

Acq: 15 Jun 2018 14:32

Instrument :

MSVOA_R

ClientSampleId :

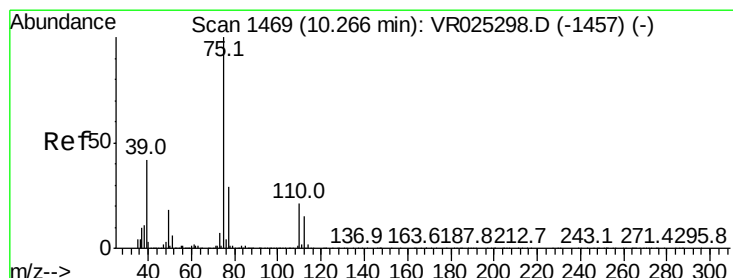
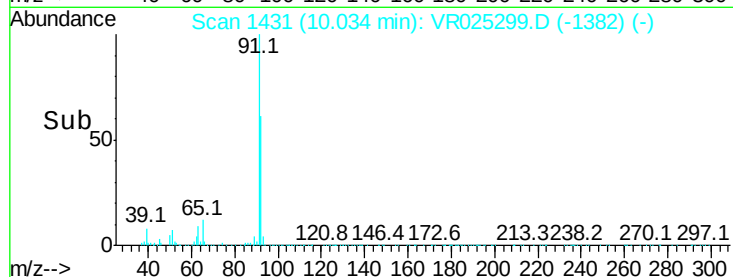
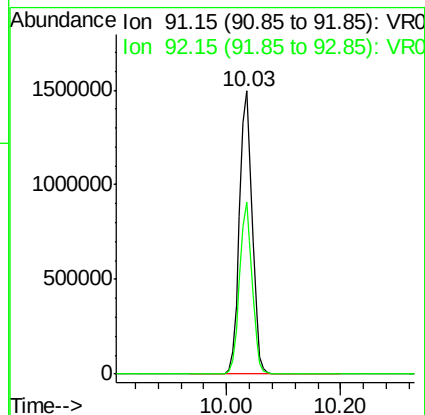
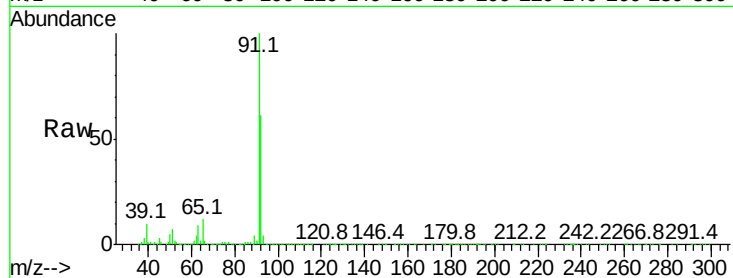
VSTD01086

Tgt Ion: 91 Resp: 2383006

Ion Ratio Lower Upper

91 100

92 60.7 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 11.323 ug/L

RT: 10.26 min Scan# 1468

Delta R.T. -0.01 min

Lab File: VR025299.D

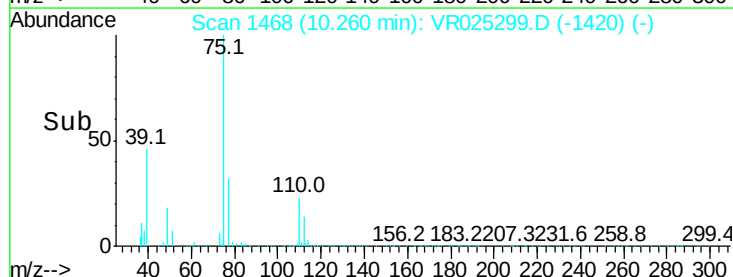
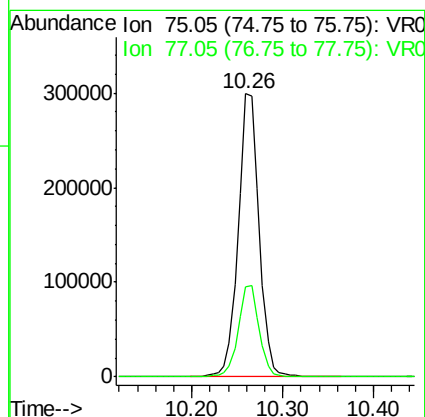
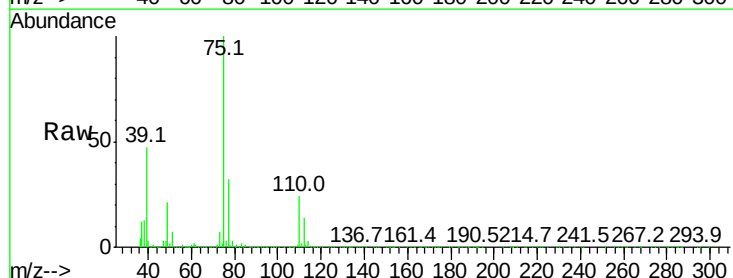
Acq: 15 Jun 2018 14:32

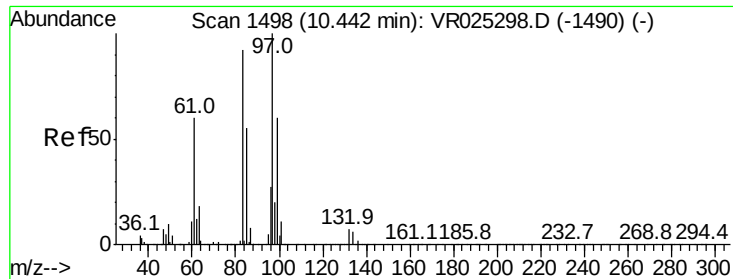
Tgt Ion: 75 Resp: 476070

Ion Ratio Lower Upper

75 100

77 32.1 20.6 38.4

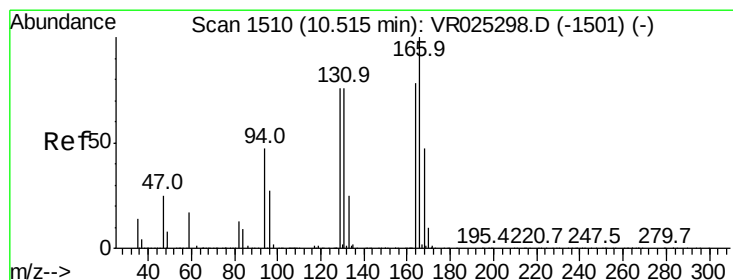
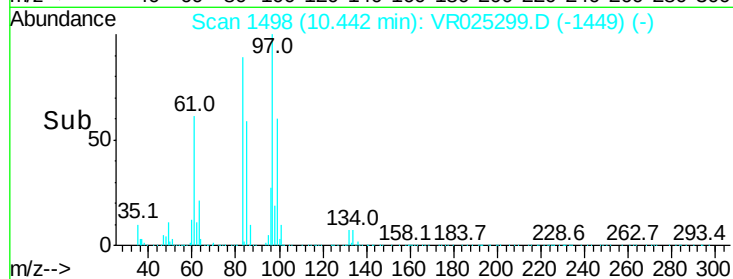
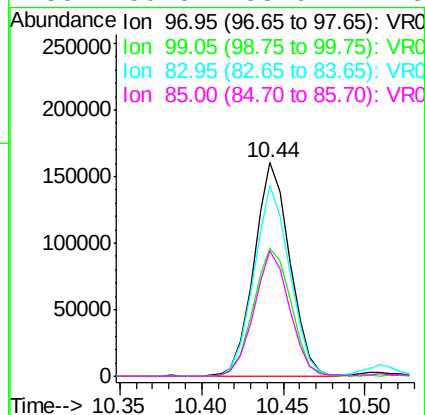
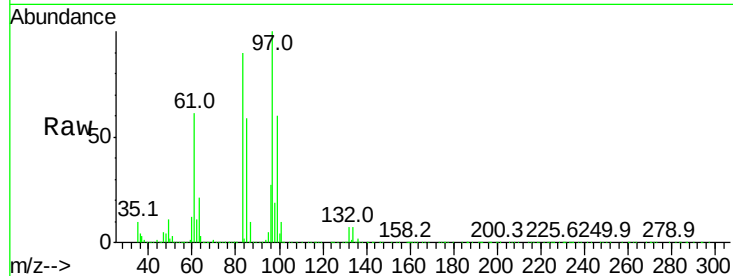




#45
 1,1,2-Trichloroethane
 Concen: 9.554 ug/L
 RT: 10.44 min Scan# 1498
 Delta R.T. -0.00 min
 Lab File: VR025299.D
 Acq: 15 Jun 2018 14:32

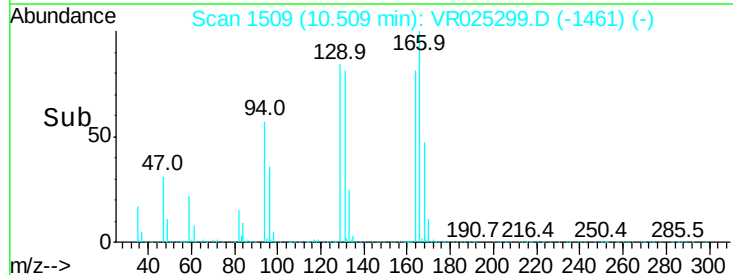
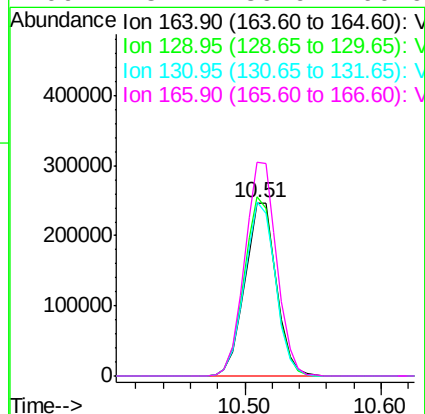
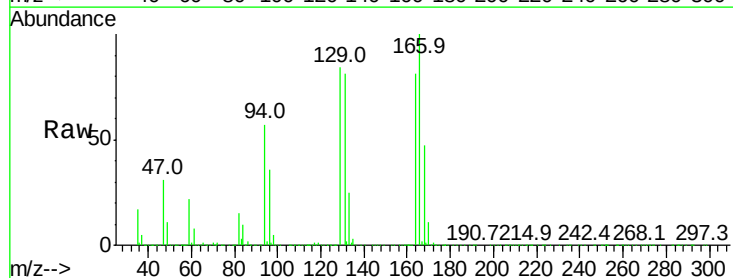
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01086

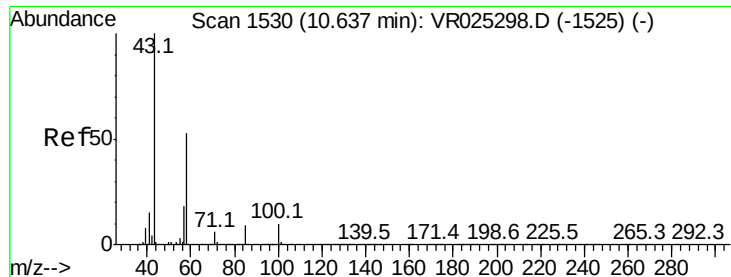
Tgt Ion:	97	Resp:	243981
Ion	Ratio	Lower	Upper
97	100		
99	60.0	41.9	77.9
83	89.6	64.5	119.9
85	59.0	38.6	71.8



#47
 Tetrachloroethene
 Concen: 10.533 ug/L
 RT: 10.51 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VR025299.D
 Acq: 15 Jun 2018 14:32

Tgt Ion:	164	Resp:	399135
Ion	Ratio	Lower	Upper
164	100		
129	103.0	68.1	126.5
131	100.3	68.5	127.1
166	123.2	89.9	166.9



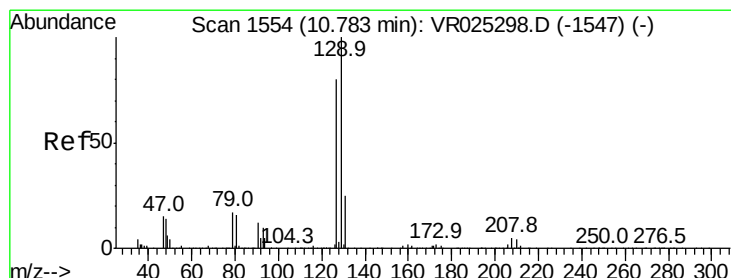
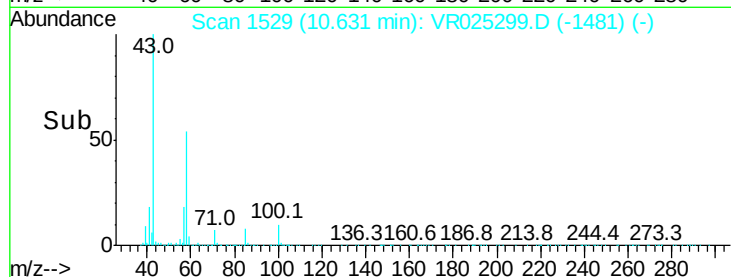
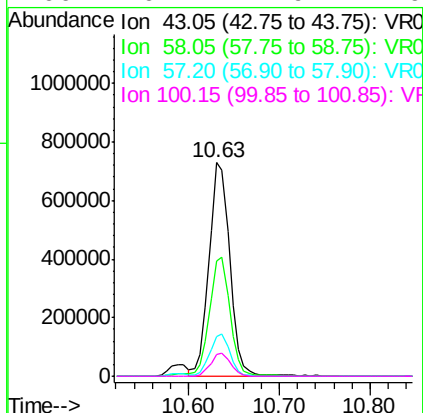
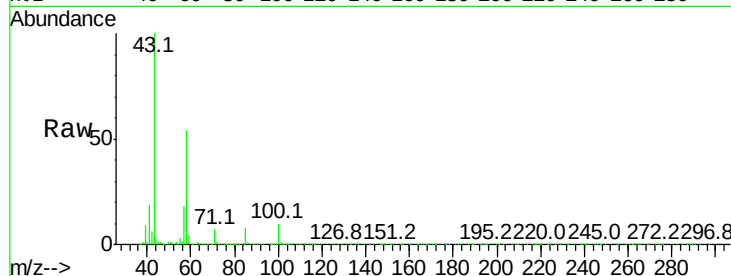


#48
2-Hexanone
Concen: 93.800 ug/L
RT: 10.63 min Scan# 1529
Delta R.T. -0.01 min
Lab File: VR025299.D
Acq: 15 Jun 2018 14:32

Instrument :
MSVOA_R
ClientSampled :
VSTD01086

Tgt Ion: 43 Resp: 1156642

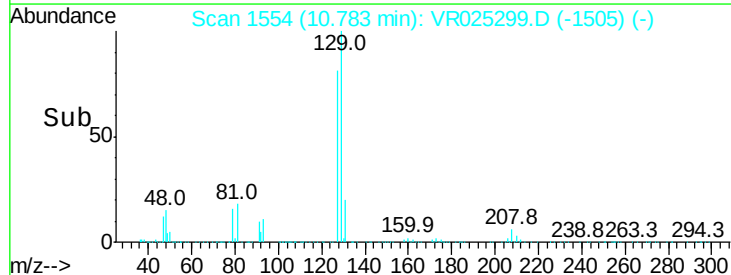
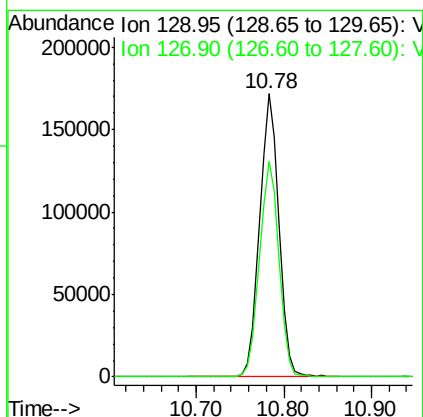
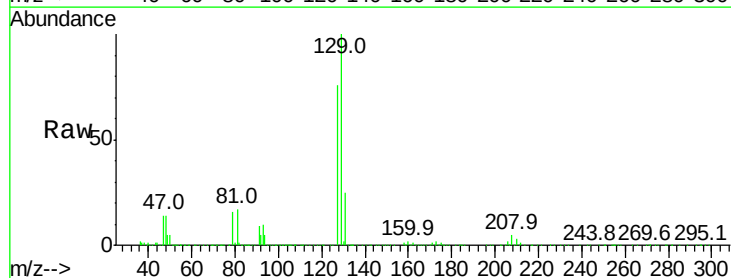
Ion	Ratio	Lower	Upper
43	100		
58	56.3	43.1	64.7
57	19.3	15.3	22.9
100	10.4	7.9	11.9

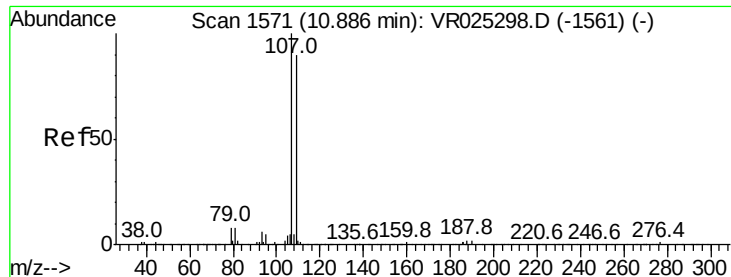


#49
Dibromochloromethane
Concen: 11.069 ug/L
RT: 10.78 min Scan# 1554
Delta R.T. -0.00 min
Lab File: VR025299.D
Acq: 15 Jun 2018 14:32

Tgt Ion: 129 Resp: 263384

Ion	Ratio	Lower	Upper
129	100		
127	76.0	55.9	103.7

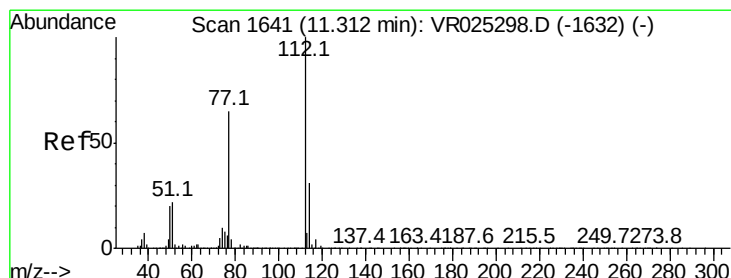
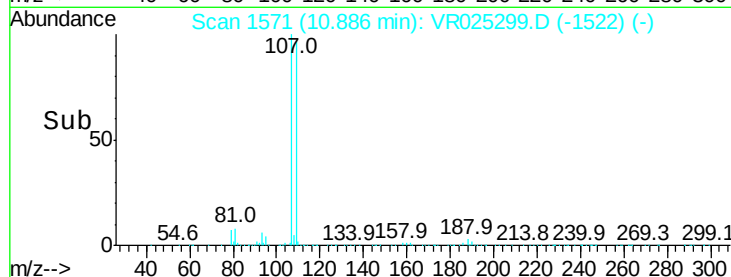
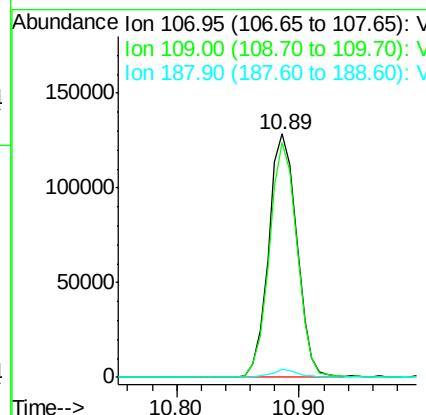
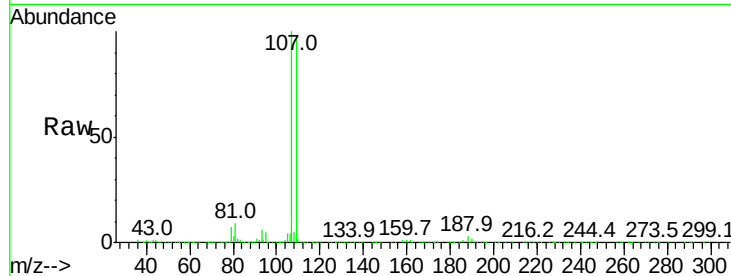




#50
1,2-Dibromoethane
Concen: 10.187 ug/L
RT: 10.89 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VR025299.D
Acq: 15 Jun 2018 14:32

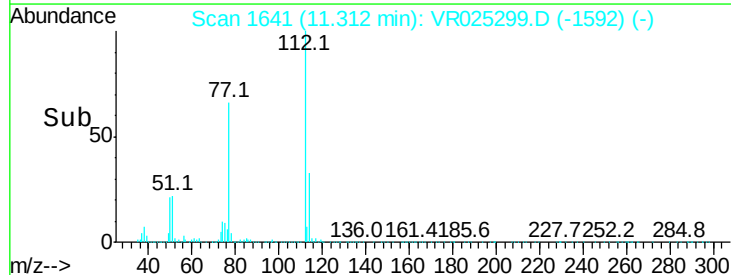
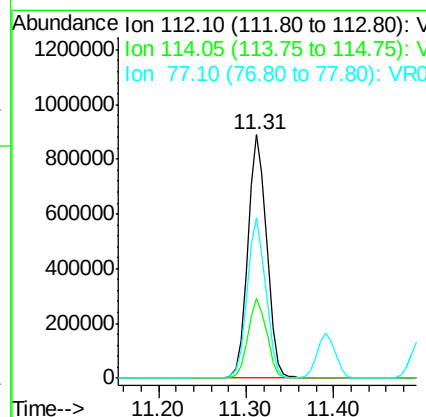
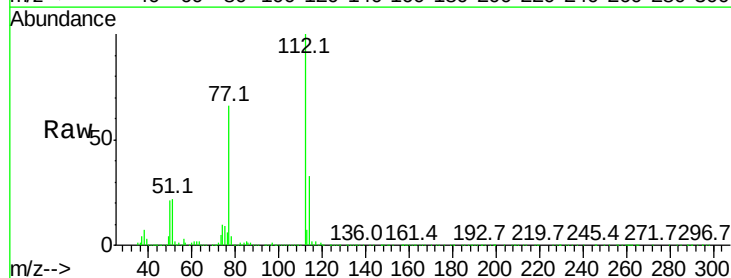
Instrument :
MSVOA_R
ClientSampleId :
VSTD01086

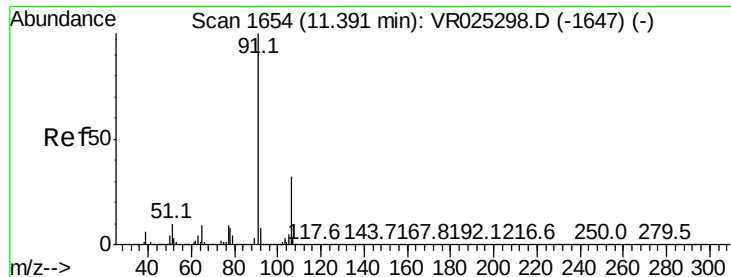
Tgt Ion:107 Resp: 206339
Ion Ratio Lower Upper
107 100
109 96.5 63.1 117.3
188 3.2 1.8 2.8#



#51
Chlorobenzene
Concen: 9.840 ug/L
RT: 11.31 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VR025299.D
Acq: 15 Jun 2018 14:32

Tgt Ion:112 Resp: 1323436
Ion Ratio Lower Upper
112 100
114 32.6 21.6 40.0
77 65.8 51.9 77.9





#52

Ethylbenzene

Concen: 10.242 ug/L

RT: 11.39 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VR025299.D

Acq: 15 Jun 2018 14:32

Instrument :

MSVOA_R

ClientSampleId :

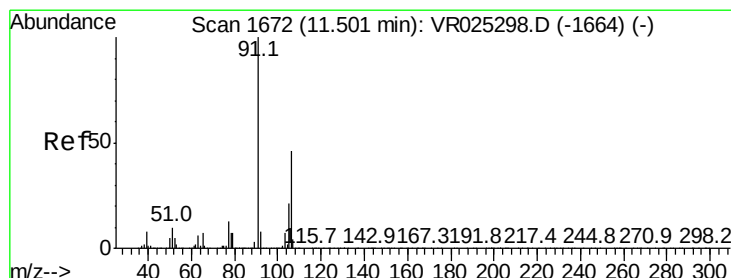
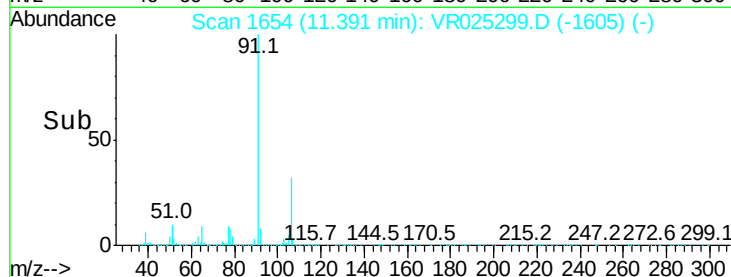
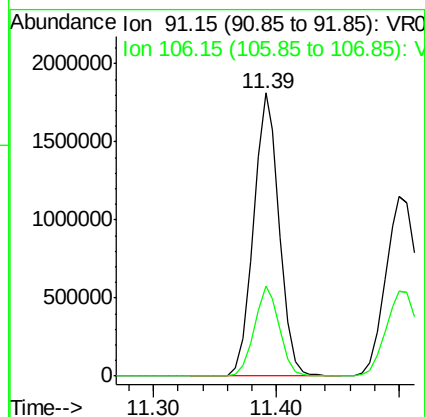
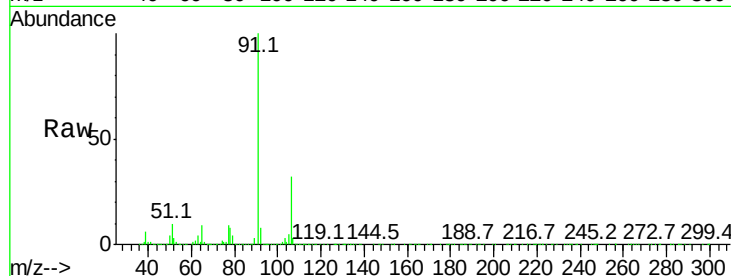
VSTD01086

Tgt Ion: 91 Resp: 2632590

Ion Ratio Lower Upper

91 100

106 31.8 22.5 41.7



#53

m,p-Xylene

Concen: 10.343 ug/L

RT: 11.50 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VR025299.D

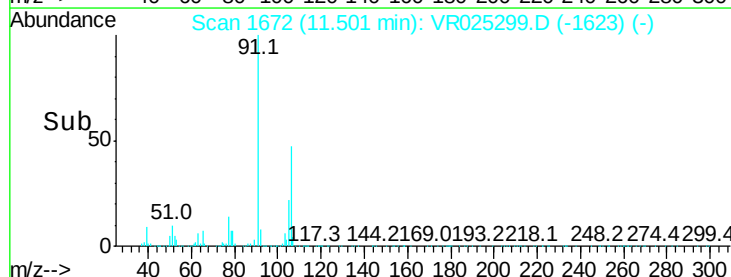
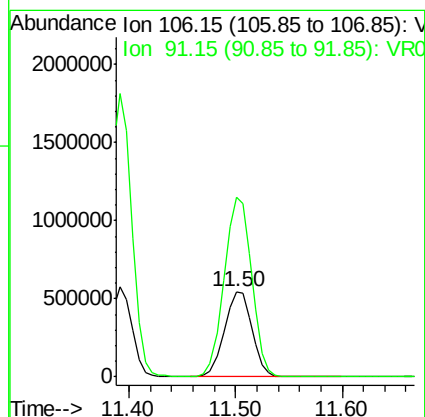
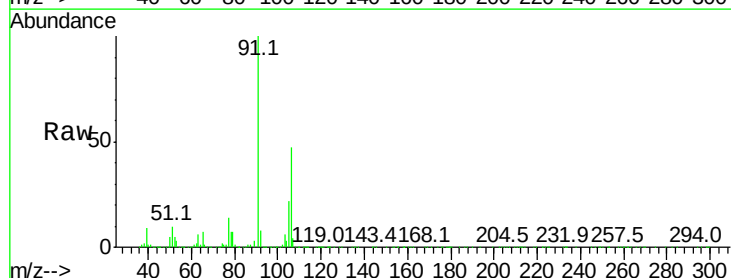
Acq: 15 Jun 2018 14:32

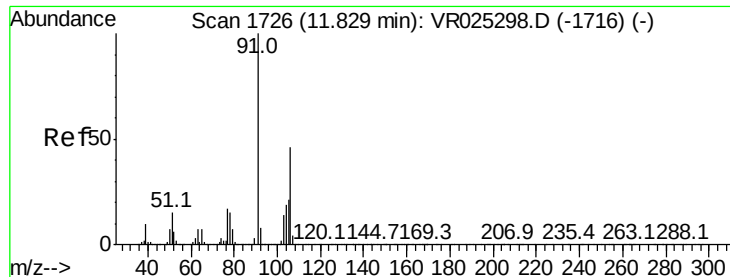
Tgt Ion: 106 Resp: 985346

Ion Ratio Lower Upper

106 100

91 211.4 152.6 283.4

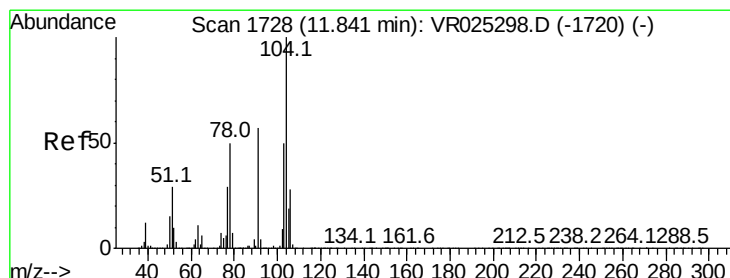
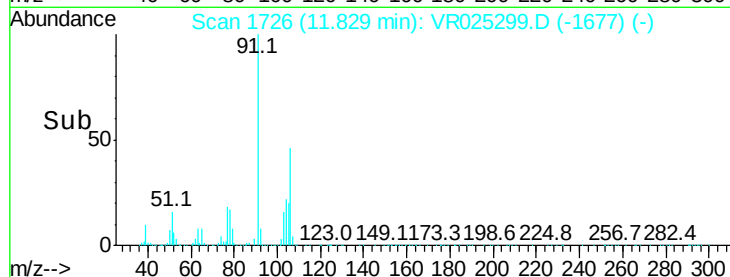
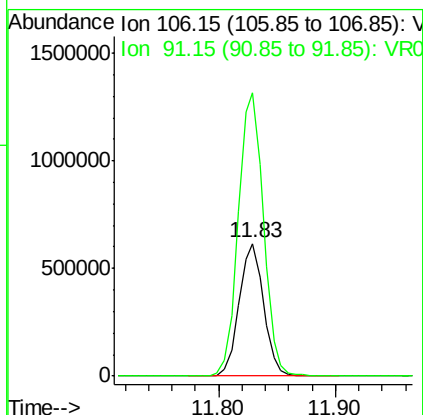
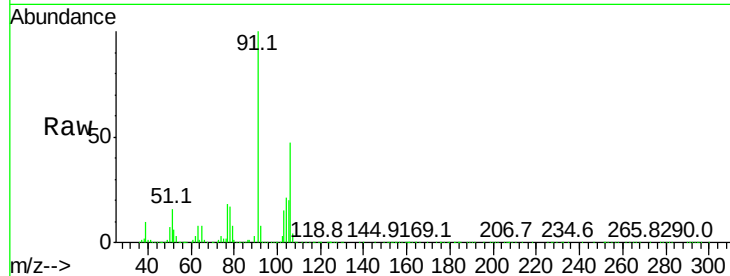




#54
o-Xylene
Concen: 10.431 ug/L
RT: 11.83 min Scan# 1726
Delta R.T. -0.00 min
Lab File: VR025299.D
Acq: 15 Jun 2018 14:32

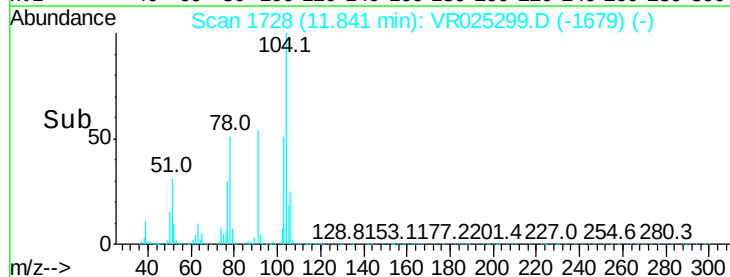
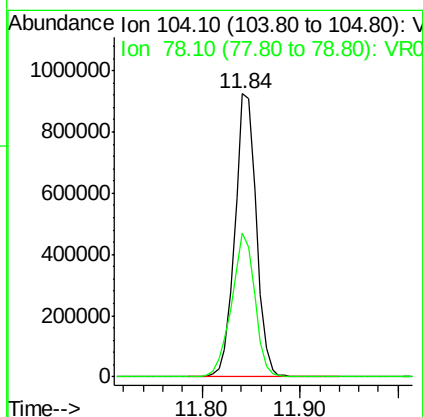
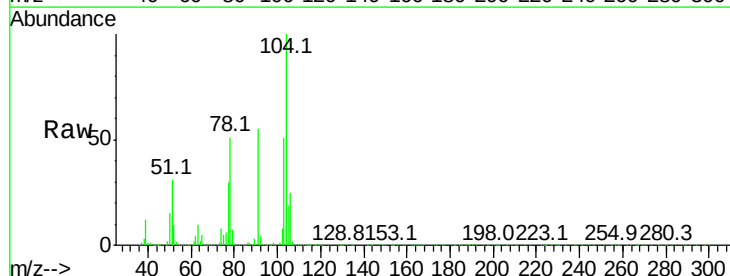
Instrument :
MSVOA_R
ClientSampleId :
VSTD01086

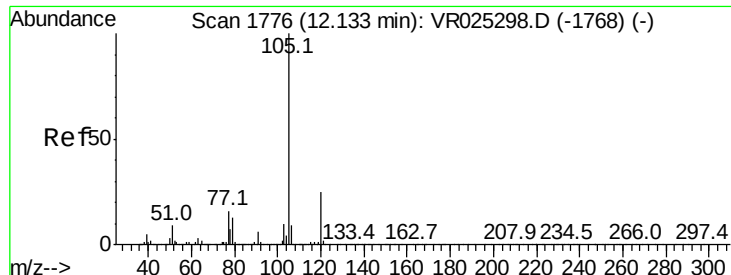
Tgt Ion:106 Resp: 897170
Ion Ratio Lower Upper
106 100
91 213.4 153.7 285.5



#55
Styrene
Concen: 10.046 ug/L
RT: 11.84 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VR025299.D
Acq: 15 Jun 2018 14:32

Tgt Ion:104 Resp: 1405669
Ion Ratio Lower Upper
104 100
78 51.0 35.4 65.7





#56

Isopropylbenzene

Concen: 10.873 ug/L

RT: 12.13 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VR025299.D

Acq: 15 Jun 2018 14:32

Instrument :

MSVOA_R

ClientSampleId :

VSTD01086

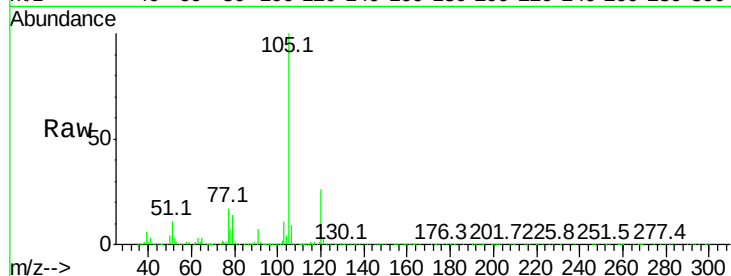
Tgt Ion:105 Resp: 2457628

Ion Ratio Lower Upper

105 100

120 26.1 20.2 30.4

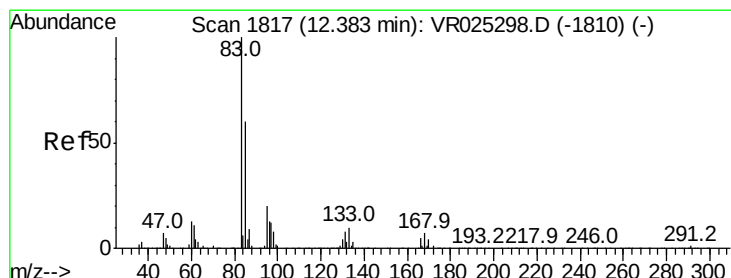
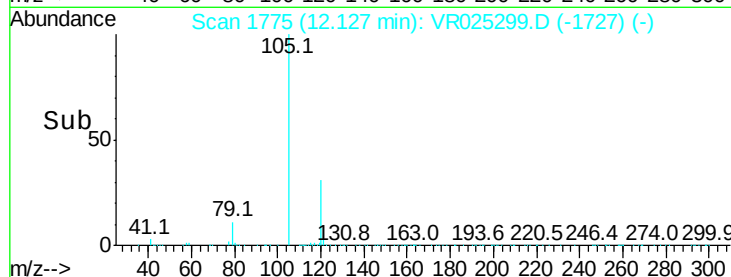
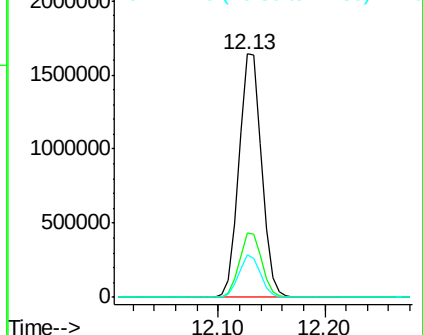
77 16.6 13.0 19.6



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: 9.275 ug/L

RT: 12.38 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VR025299.D

Acq: 15 Jun 2018 14:32

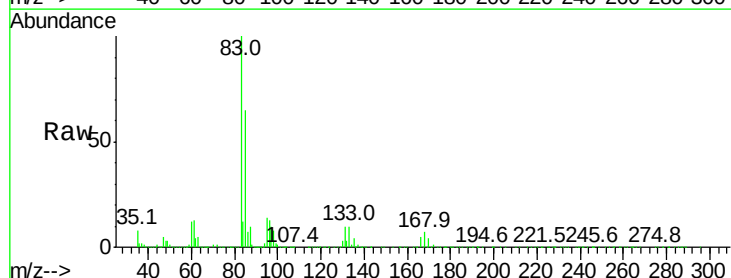
Tgt Ion: 83 Resp: 228951

Ion Ratio Lower Upper

83 100

85 65.2 41.8 77.6

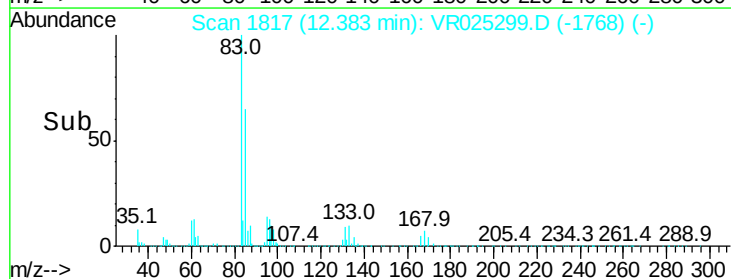
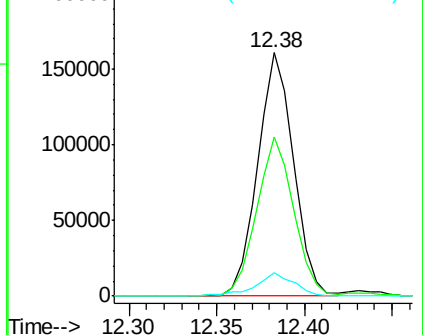
131 9.5 6.1 9.1#

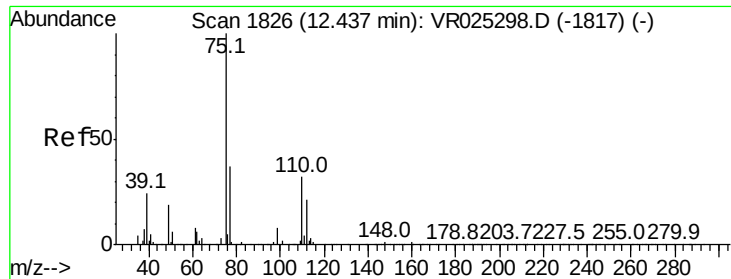


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 10.005 ug/L

RT: 12.44 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VR025299.D

Acq: 15 Jun 2018 14:32

Instrument :

MSVOA_R

ClientSampleId :

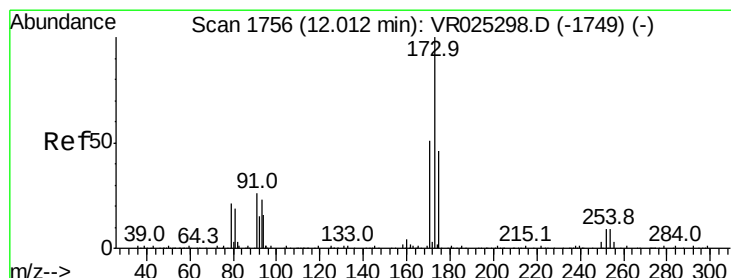
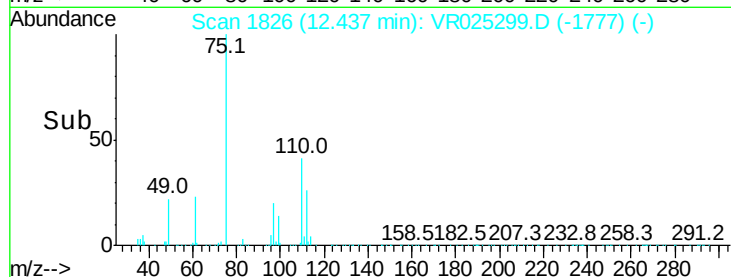
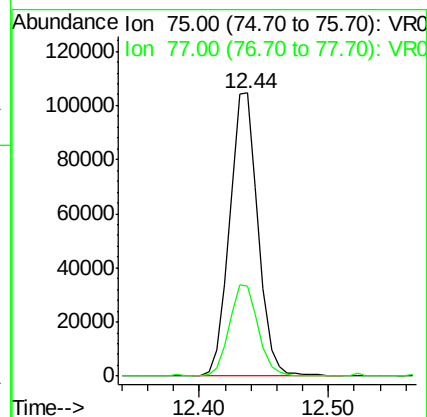
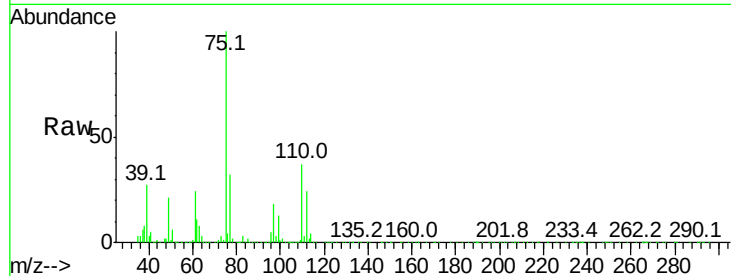
VSTD01086

Tgt Ion: 75 Resp: 161988

Ion Ratio Lower Upper

75 100

77 32.2 27.0 40.4



#61

Bromoform

Concen: 10.774 ug/L

RT: 12.01 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VR025299.D

Acq: 15 Jun 2018 14:32

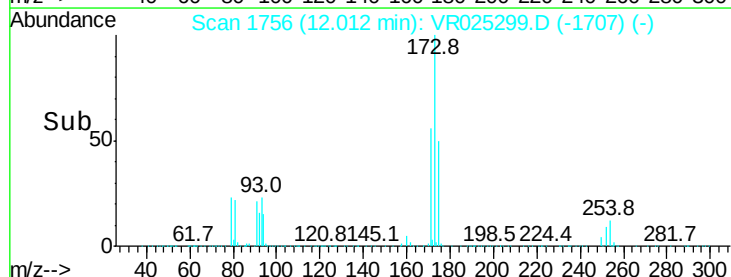
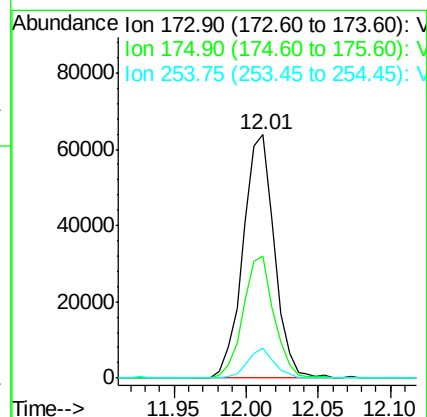
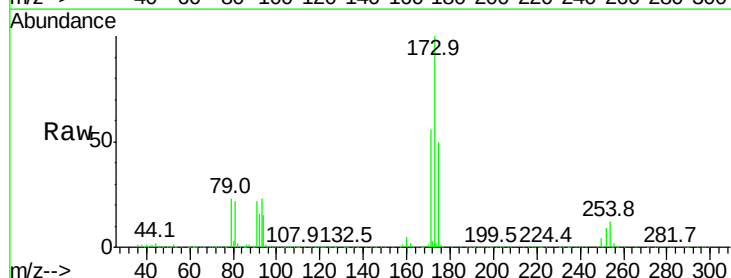
Tgt Ion: 173 Resp: 95857

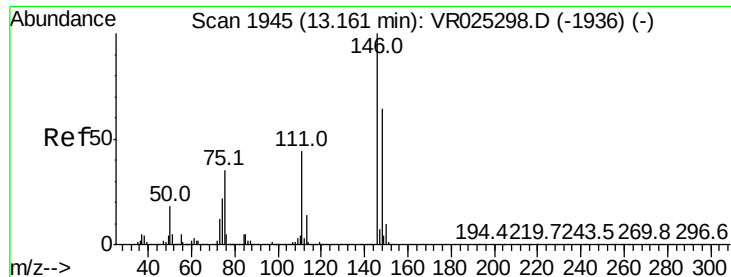
Ion Ratio Lower Upper

173 100

175 49.8 37.5 56.3

254 10.9 8.7 13.1





#62

1,3-Dichlorobenzene

Concen: 10.613 ug/L

RT: 13.16 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VR025299.D

Acq: 15 Jun 2018 14:32

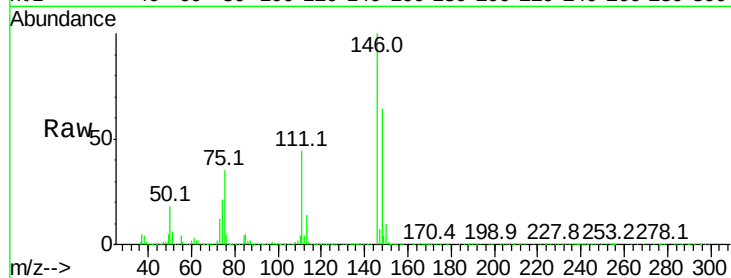
Instrument :

MSVOA_R

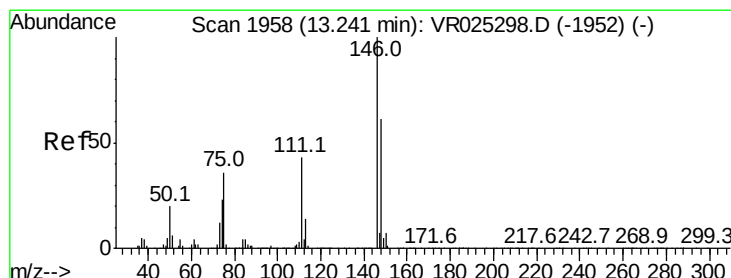
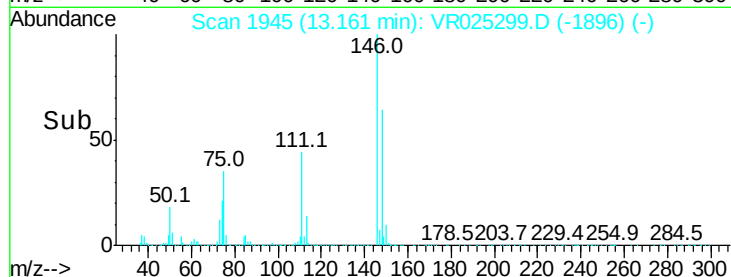
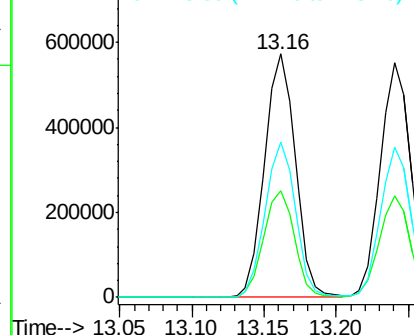
ClientSampleId :

VSTD01086

Tgt Ion:	146	Resp:	847609
Ion	Ratio	Lower	Upper
146	100		
111	43.9	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: 9.495 ug/L

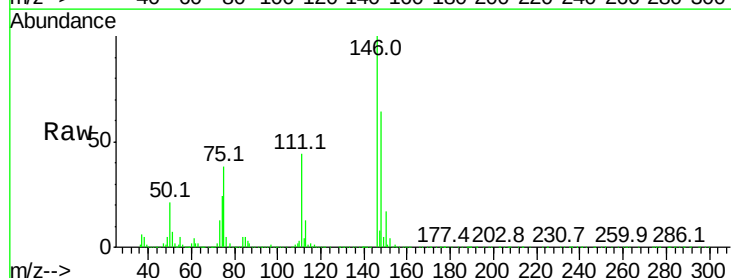
RT: 13.24 min Scan# 1958

Delta R.T. -0.00 min

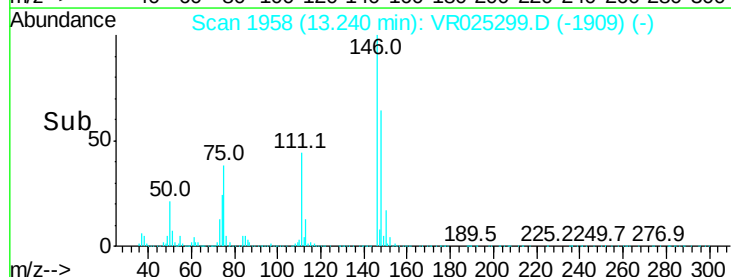
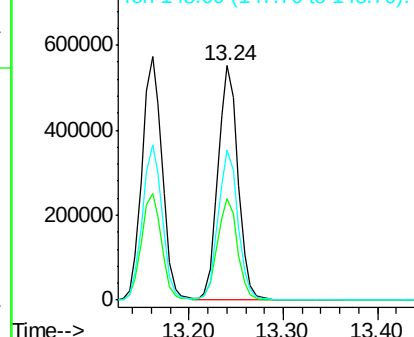
Lab File: VR025299.D

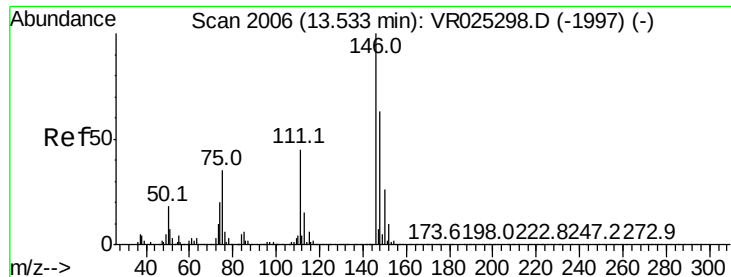
Acq: 15 Jun 2018 14:32

Tgt Ion:	146	Resp:	813892
Ion	Ratio	Lower	Upper
146	100		
111	43.5	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

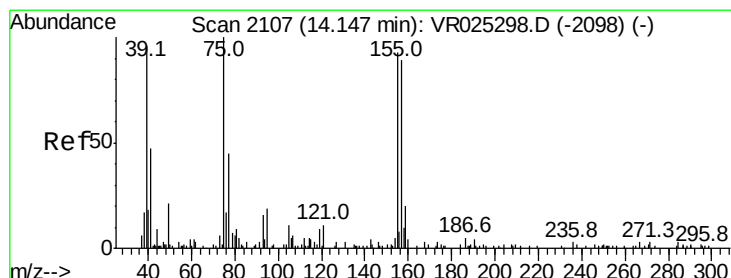
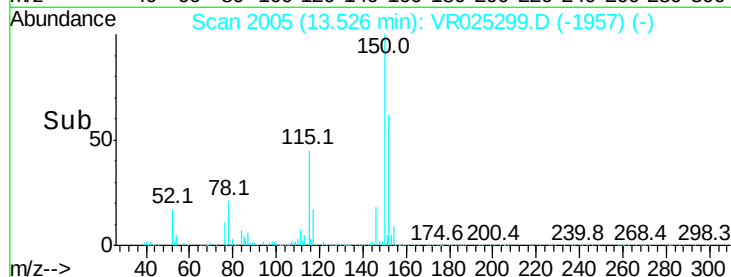
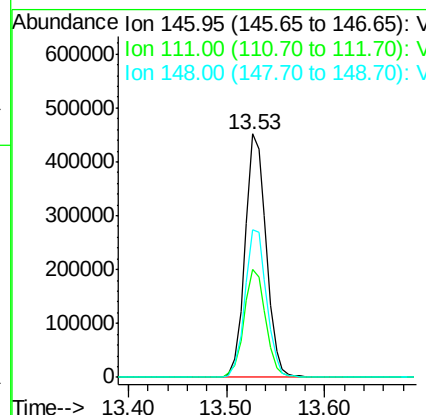
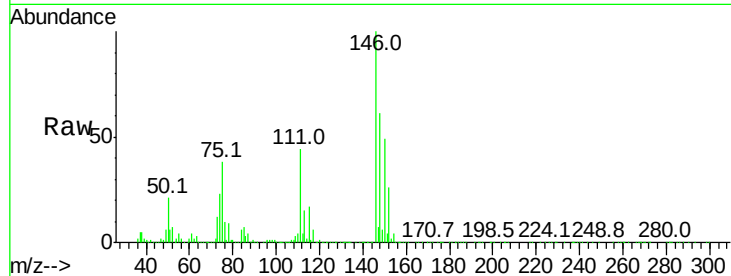




#65
 1,2-Dichlorobenzene
 Concen: 9.855 ug/L
 RT: 13.53 min Scan# 2005
 Delta R.T. -0.01 min
 Lab File: VR025299.D
 Acq: 15 Jun 2018 14:32

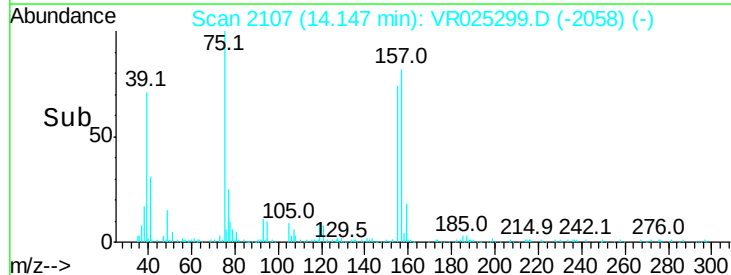
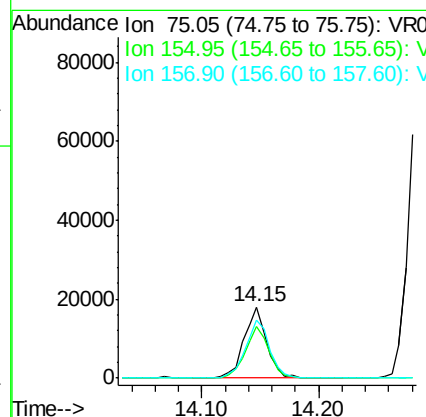
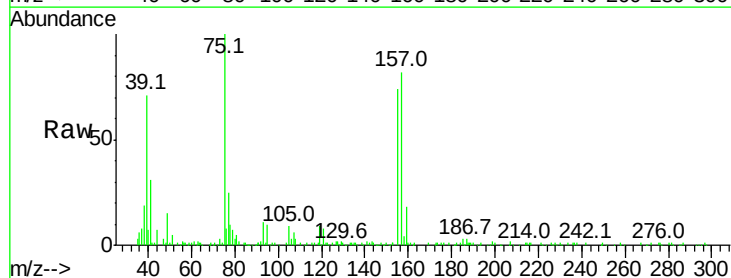
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01086

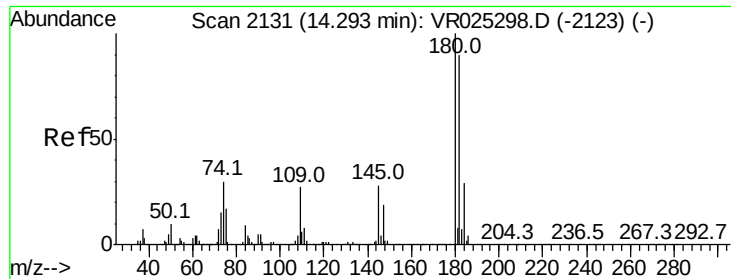
Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.2	35.8	53.8
148	60.7	50.4	75.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 9.257 ug/L
 RT: 14.15 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VR025299.D
 Acq: 15 Jun 2018 14:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.7	74.1	111.1#
157	81.8	71.0	106.6

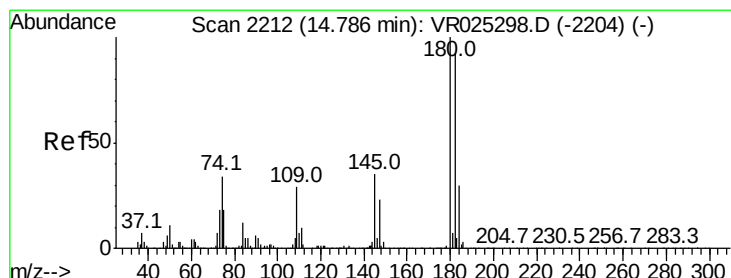
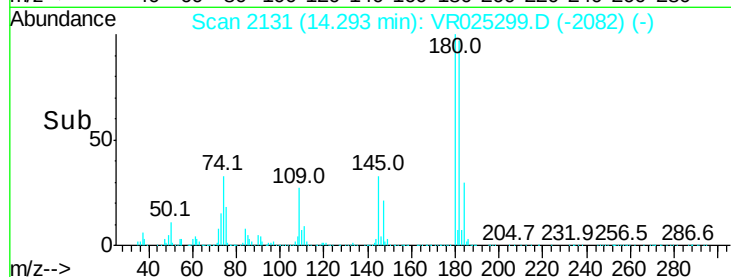
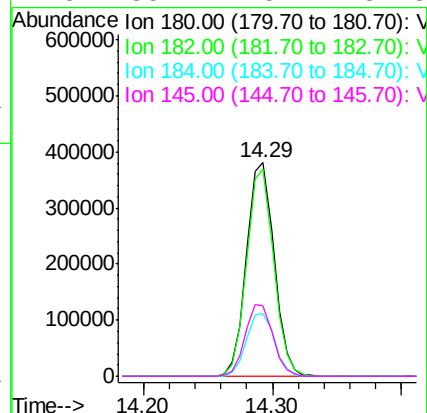
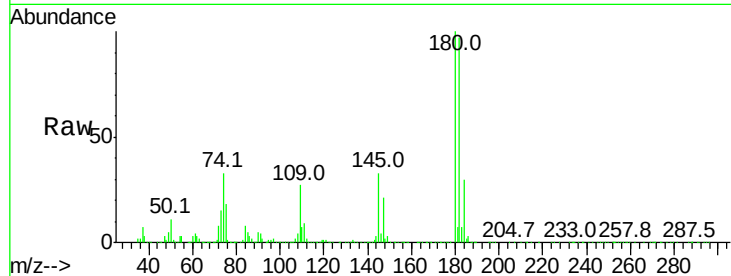




#67
 1,3,5-Trichlorobenzene
 Concen: 10.989 ug/L
 RT: 14.29 min Scan# 2131
 Delta R.T. -0.00 min
 Lab File: VR025299.D
 Acq: 15 Jun 2018 14:32

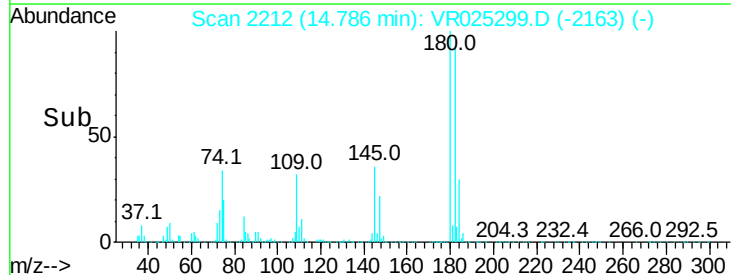
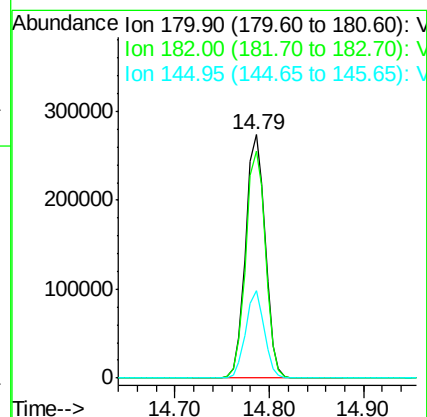
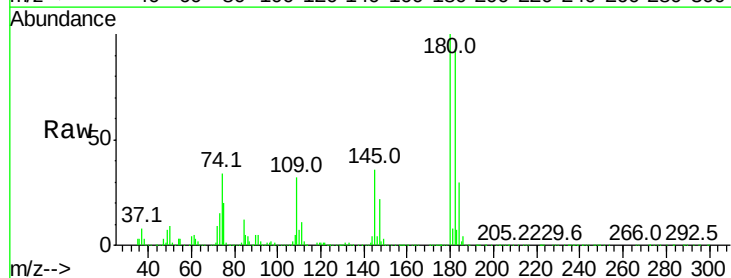
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01086

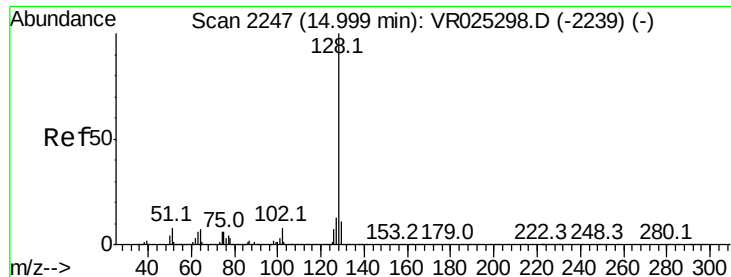
Tgt Ion:	180	Resp:	561569
Ion Ratio	Lower	Upper	
180	100		
182	95.0	76.0	114.0
184	30.0	24.5	36.7
145	33.7	25.2	37.8



#68
 1,2,4-trichlorobenzene
 Concen: 11.597 ug/L
 RT: 14.79 min Scan# 2212
 Delta R.T. -0.00 min
 Lab File: VR025299.D
 Acq: 15 Jun 2018 14:32

Tgt Ion:	180	Resp:	396866
Ion Ratio	Lower	Upper	
180	100		
182	94.1	75.0	112.4
145	34.1	27.3	40.9





#69

Naphthalene

Concen: 12.542 ug/L

RT: 15.00 min Scan# 2247

Delta R.T. -0.00 min

Lab File: VR025299.D

Acq: 15 Jun 2018 14:32

Instrument :

MSVOA_R

ClientSampleId :

VSTD01086

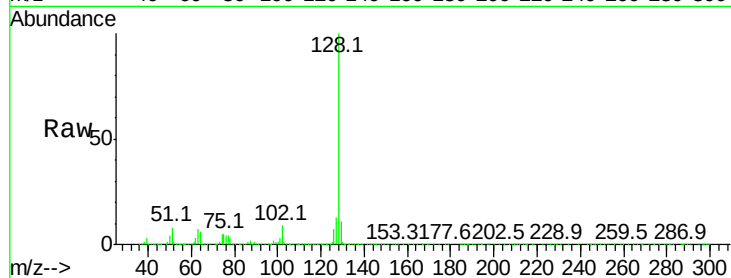
Tgt Ion:128 Resp: 554300

Ion Ratio Lower Upper

128 100

127 13.4 10.2 15.4

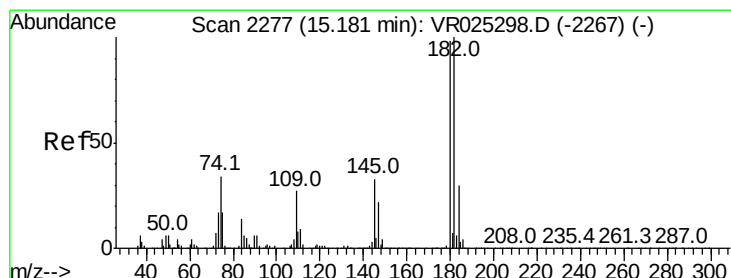
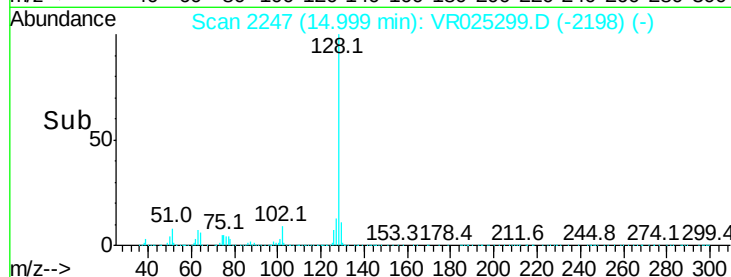
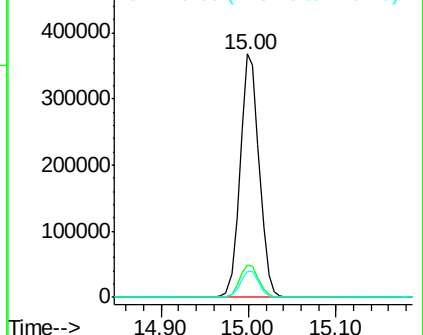
129 10.6 8.6 13.0



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: 11.558 ug/L

RT: 15.18 min Scan# 2277

Delta R.T. -0.00 min

Lab File: VR025299.D

Acq: 15 Jun 2018 14:32

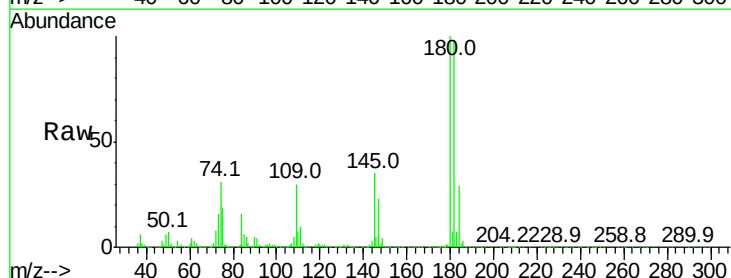
Tgt Ion:180 Resp: 307743

Ion Ratio Lower Upper

180 100

182 93.7 75.2 112.8

145 35.4 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

