

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR061918\
 Data File : VR025359.D
 Acq On : 19 Jun 2018 11:04
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00589

Quant Time: Jun 20 01:25:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR061518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 18 13:22:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	632635	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	525693	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	212774	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	85281	3.96	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.20%
7) Chloroethane-d5	2.64	69	65671	4.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.00%
11) 1,1-Dichloroethene-d2	3.65	63	248560	4.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.60%
20) 2-Butanone-d5	6.59	46	283226	49.04	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.08%
24) Chloroform-d	7.20	84	406042	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
26) 1,2-Dichloroethane-d4	7.89	65	156024	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
32) Benzene-d6	7.86	84	860603	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
36) 1,2-Dichloropropane-d6	8.90	67	249815	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.60%
41) Toluene-d8	9.97	98	792195	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.60%
43) trans-1,3-Dichloropropene-	10.24	79	59486	4.41	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.20%
46) 2-Hexanone-d5	10.59	63	244244	52.22	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.44%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	110598	5.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.20%
64) 1,2-Dichlorobenzene-d4	13.51	152	174034	4.82	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	213460	5.220 ug/L	99
3) Chloromethane	2.01	50	115846	3.914 ug/L	92
5) Vinyl chloride	2.16	62	104048	3.972 ug/L	98
6) Bromomethane	2.53	94	52117	4.081 ug/L	97
8) Chloroethane	2.67	64	57765	4.224 ug/L	87
9) Trichlorofluoromethane	2.99	101	201051	5.254 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	115828	5.160 ug/L	96
12) 1,1-Dichloroethene	3.67	96	98967	4.450 ug/L	92
13) Acetone	3.70	43	118663	45.489 ug/L	97
14) Carbon disulfide	3.96	76	190168	4.065 ug/L	97
15) Methyl Acetate	4.20	43	26599	4.055 ug/L	97
16) Methylene chloride	4.41	84	59813	2.956 ug/L	97
17) Methyl tert-butyl Ether	4.90	73	296634	4.475 ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	234086	5.120 ug/L	96
19) 1,1-Dichloroethane	5.69	63	428371	4.988 ug/L	99
21) 2-Butanone	6.69	43	323193	52.418 ug/L	99
22) cis-1,2-Dichloroethene	6.68	96	241391	5.060 ug/L #	95

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 Misc : 25mL/MSVOA_R/WATER
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Instrument :
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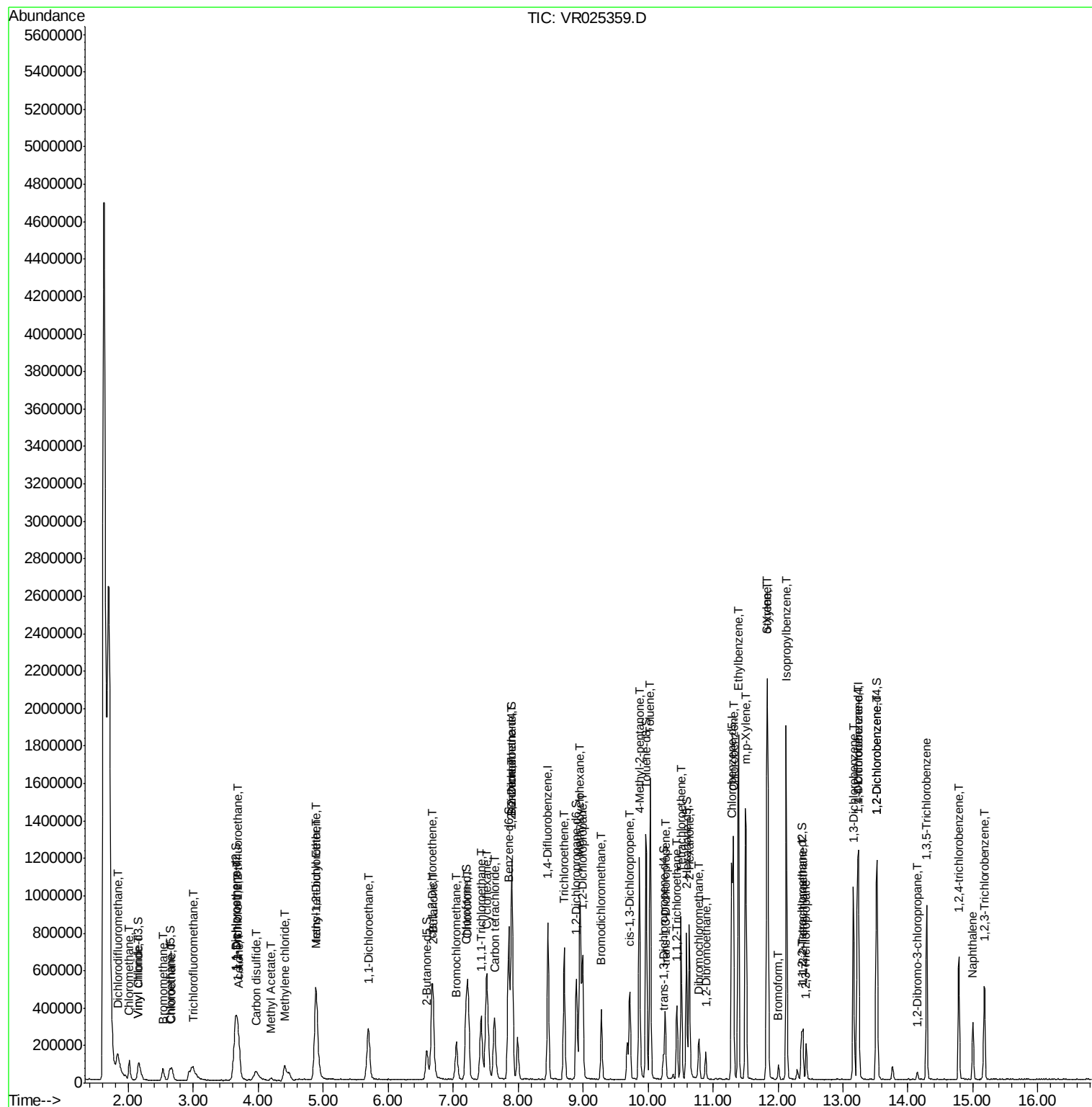
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	70221	5.026	ug/L	98
25) Chloroform	7.23	83	411137	5.237	ug/L	98
27) 1,2-Dichloroethane	7.91	62	7477	0.209	ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	289009	4.629	ug/L	98
30) Cyclohexane	7.52	56	377183	4.732	ug/L	99
31) Carbon tetrachloride	7.64	117	275993	5.034	ug/L	99
33) Benzene	7.91	78	1004675	4.868	ug/L	100
34) Trichloroethene	8.71	95	239301	4.792	ug/L	98
35) Methylcyclohexane	8.96	83	403324	5.118	ug/L	97
37) 1,2-Dichloropropane	8.99	63	238879	5.206	ug/L	100
38) Bromodichloromethane	9.28	83	224415	5.043	ug/L	97
39) cis-1,3-Dichloropropene	9.72	75	257482	4.765	ug/L	94
40) 4-Methyl-2-pentanone	9.86	43	759957	51.183	ug/L	98
42) Toluene	10.03	91	1043304	4.717	ug/L	99
44) trans-1,3-Dichloropropene	10.27	75	181508	4.883	ug/L	99
45) 1,1,2-Trichloroethane	10.44	97	110058	5.167	ug/L	91
47) Tetrachloroethene	10.51	164	163422	4.902	ug/L	95
48) 2-Hexanone	10.63	43	515487	54.464	ug/L	98
49) Dibromochloromethane	10.78	129	99840	4.868	ug/L	97
50) 1,2-Dibromoethane	10.89	107	84484	4.948	ug/L #	93
51) Chlorobenzene	11.31	112	583080	4.922	ug/L	97
52) Ethylbenzene	11.39	91	1151416	5.247	ug/L	98
53) m,p-Xylene	11.50	106	424260	5.064	ug/L	93
54) o-Xylene	11.83	106	386275	5.160	ug/L	99
55) Styrene	11.84	104	629160	5.468	ug/L	98
56) Isopropylbenzene	12.13	105	1078630	5.358	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.38	83	111320	5.643	ug/L #	98
59) 1,2,3-Trichloropropane	12.43	75	75507	5.304	ug/L	96
61) Bromoform	12.01	173	30438	4.011	ug/L	99
62) 1,3-Dichlorobenzene	13.16	146	352518	4.721	ug/L	97
63) 1,4-Dichlorobenzene	13.24	146	375526	5.030	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	298818	4.994	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.14	75	10032	4.243	ug/L #	75
67) 1,3,5-Trichlorobenzene	14.29	180	247047	4.996	ug/L	99
68) 1,2,4-trichlorobenzene	14.79	180	162519	4.720	ug/L	98
69) Naphthalene	15.00	128	211419	4.718	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	134010	5.030	ug/L	99

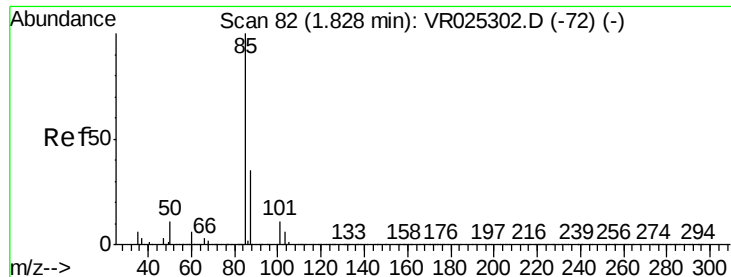
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#2

Dichlorodifluoromethane

Concen: 5.220 ug/L

RT: 1.83 min Scan# 82

Delta R.T. -0.01 min

Lab File: VR025359.D

Acq: 19 Jun 2018 11:04

Instrument :

MSVOA_R

ClientSampleId :

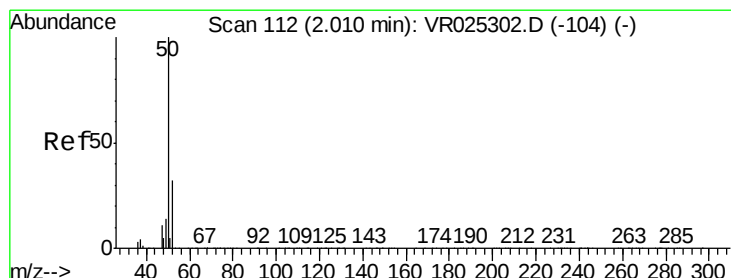
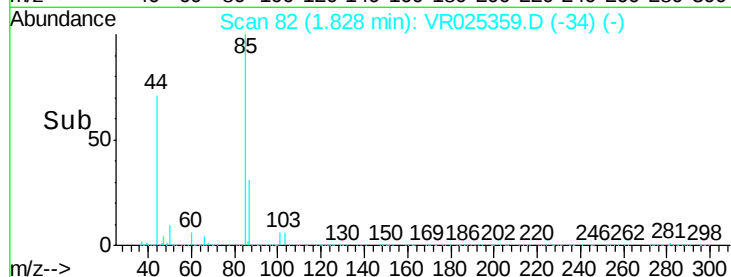
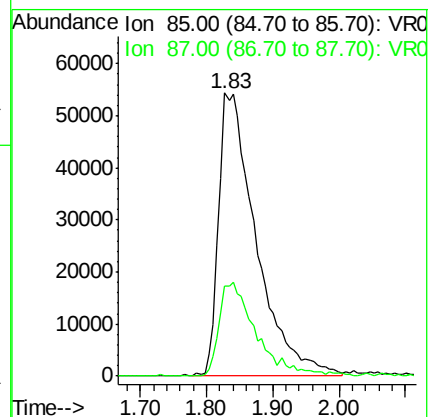
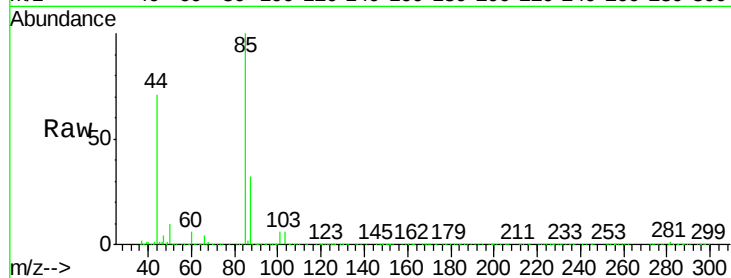
VSTD00589

Tgt Ion: 85 Resp: 213460

Ion Ratio Lower Upper

85 100

87 32.2 25.4 38.0



#3

Chloromethane

Concen: 3.914 ug/L

RT: 2.01 min Scan# 112

Delta R.T. 0.00 min

Lab File: VR025359.D

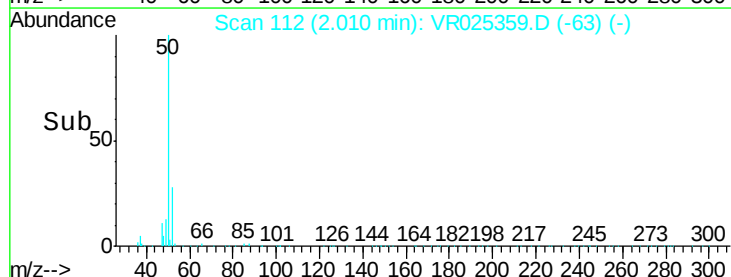
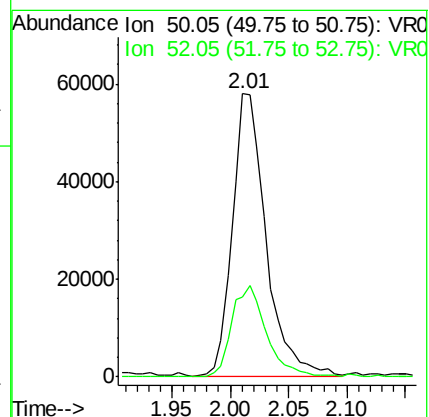
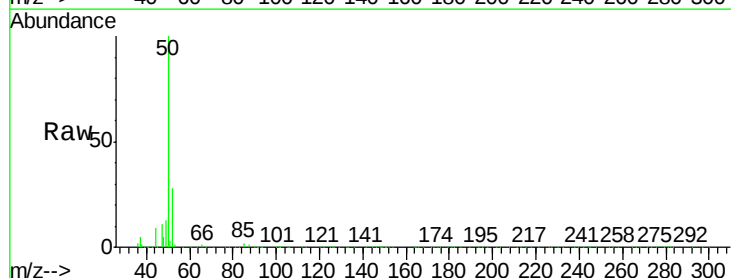
Acq: 19 Jun 2018 11:04

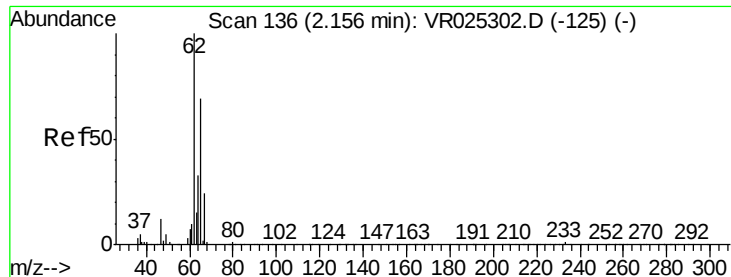
Tgt Ion: 50 Resp: 115846

Ion Ratio Lower Upper

50 100

52 28.3 22.8 42.4





#5

Vinyl chloride

Concen: 3.972 ug/L

RT: 2.16 min Scan# 137

Delta R.T. 0.01 min

Lab File: VR025359.D

Acq: 19 Jun 2018 11:04

Instrument :

MSVOA_R

ClientSampleId :

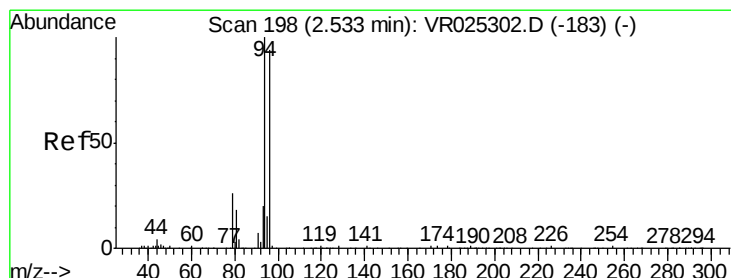
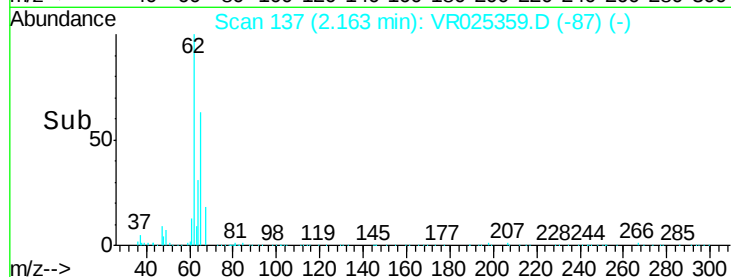
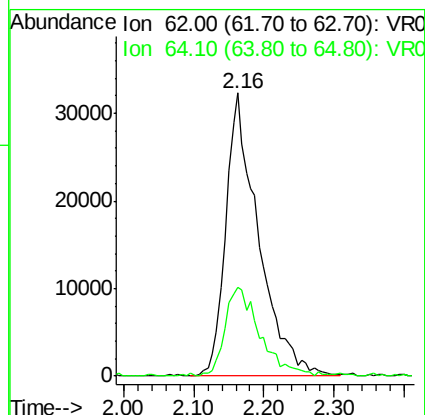
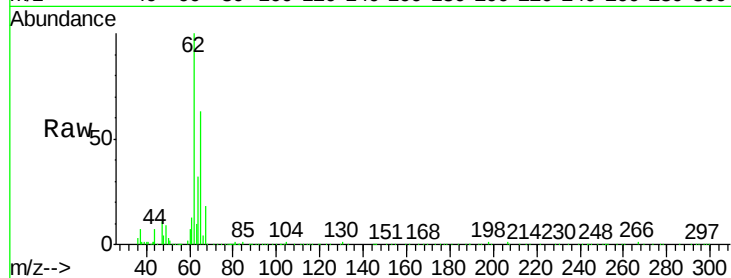
VSTD00589

Tgt Ion: 62 Resp: 104048

Ion Ratio Lower Upper

62 100

64 31.6 22.8 42.4



#6

Bromomethane

Concen: 4.081 ug/L

RT: 2.53 min Scan# 198

Delta R.T. 0.01 min

Lab File: VR025359.D

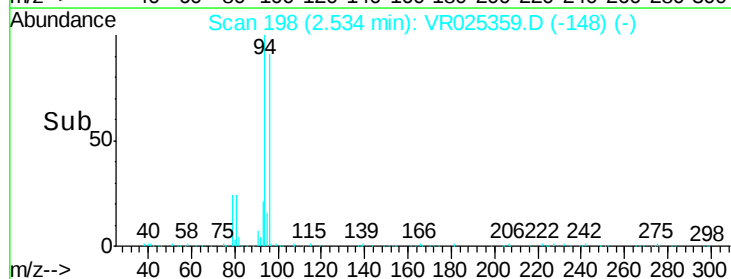
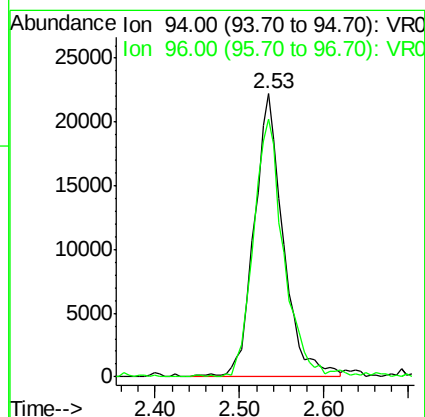
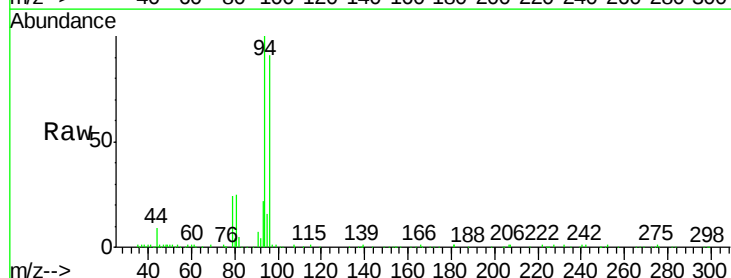
Acq: 19 Jun 2018 11:04

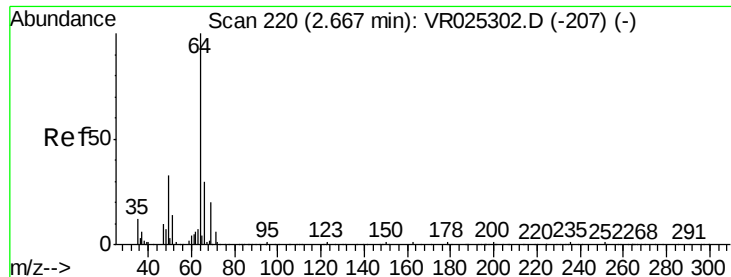
Tgt Ion: 94 Resp: 52117

Ion Ratio Lower Upper

94 100

96 91.1 65.9 122.3

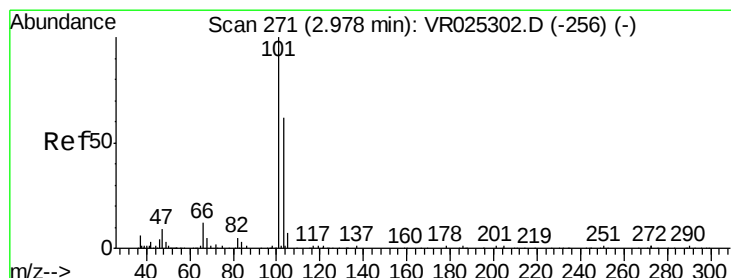
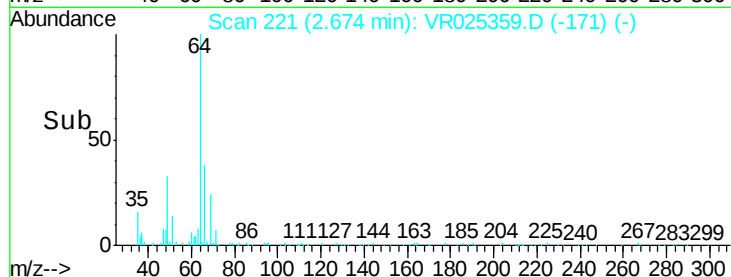
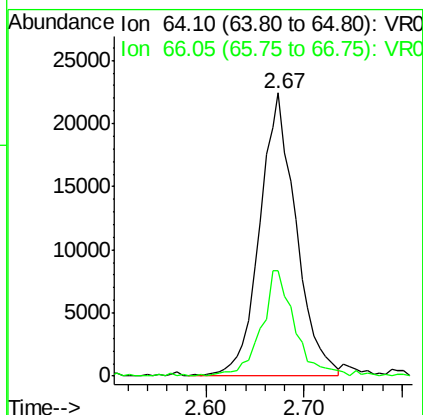
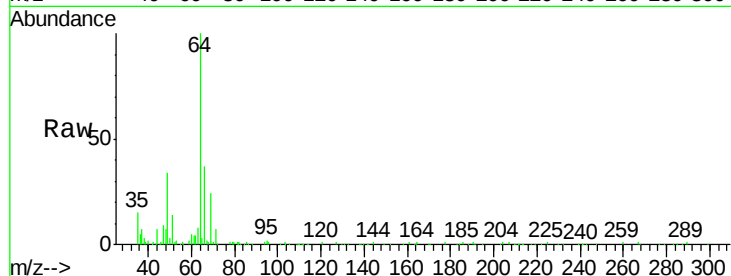




#8
Chloroethane
Concen: 4.224 ug/L
RT: 2.67 min Scan# 221
Delta R.T. 0.01 min
Lab File: VR025359.D
Acq: 19 Jun 2018 11:04

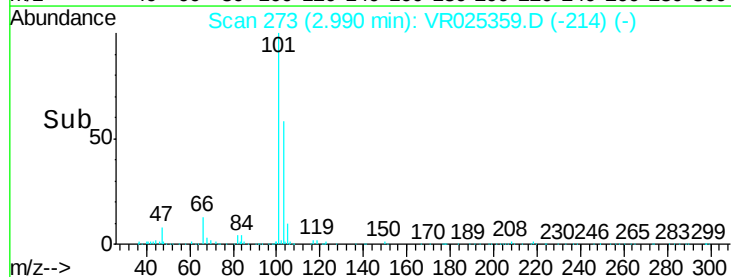
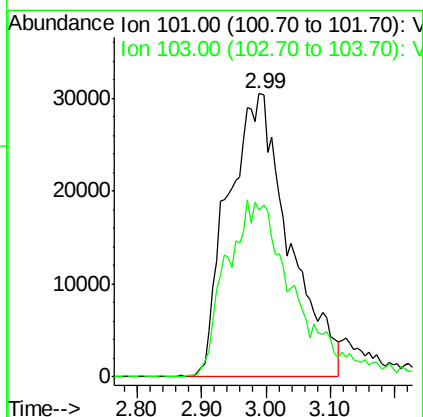
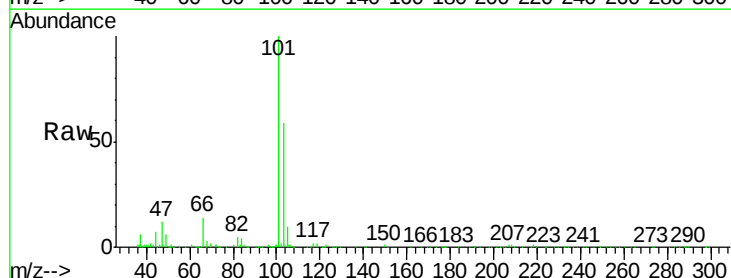
Instrument :
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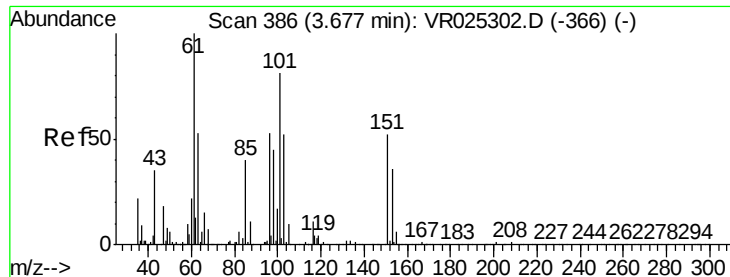
Tgt Ion: 64 Resp: 57765
Ion Ratio Lower Upper
64 100
66 37.4 21.3 39.5



#9
Trichlorofluoromethane
Concen: 5.254 ug/L
RT: 2.99 min Scan# 273
Delta R.T. 0.06 min
Lab File: VR025359.D
Acq: 19 Jun 2018 11:04

Tgt Ion: 101 Resp: 201051
Ion Ratio Lower Upper
101 100
103 60.1 11.0 16.4#





#10

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

Concen: 5.160 ug/L

RT: 3.68 min Scan# 387

Delta R.T. -0.01 min

Lab File: VR025359.D

Acq: 19 Jun 2018 11:04

Instrument :

MSVOA_R

ClientSampleId :

VSTD00589

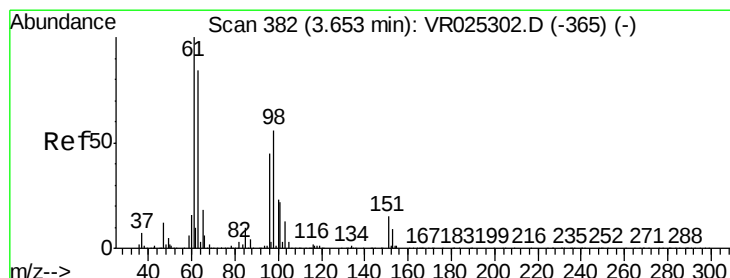
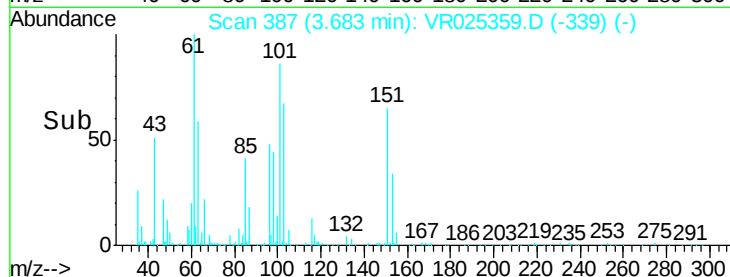
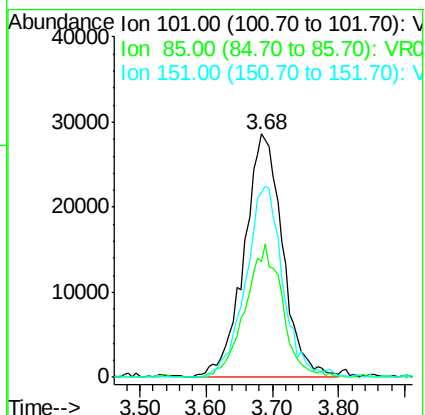
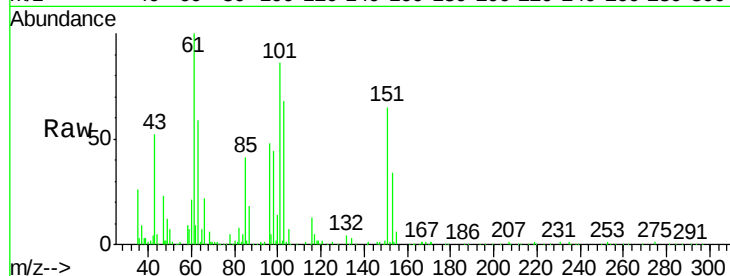
Tgt Ion: 101 Resp: 115828

Ion Ratio Lower Upper

101 100

85 52.4 39.1 58.7

151 75.0 57.5 86.3



#12

1,1-Dichloroethene

Concen: 4.450 ug/L

RT: 3.67 min Scan# 384

Delta R.T. 0.01 min

Lab File: VR025359.D

Acq: 19 Jun 2018 11:04

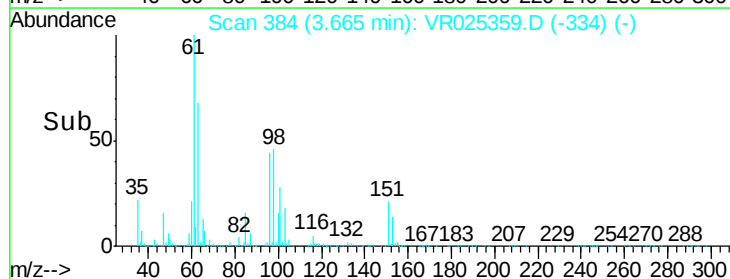
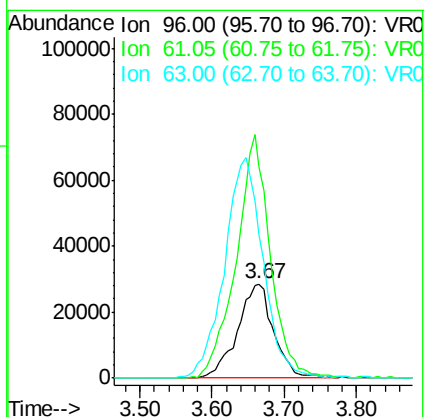
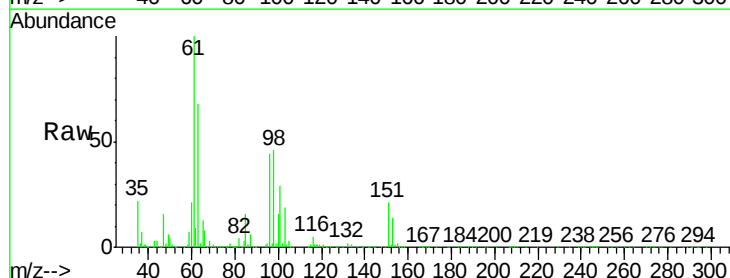
Tgt Ion: 96 Resp: 98967

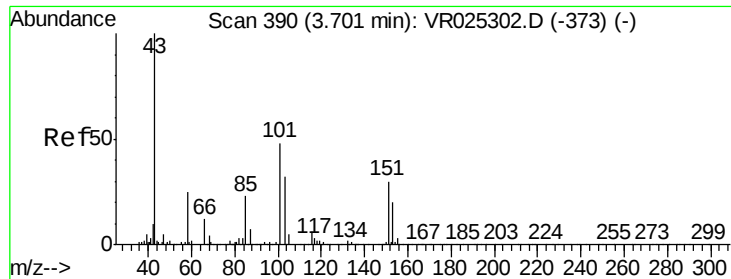
Ion Ratio Lower Upper

96 100

61 226.0 155.0 287.9

63 153.7 122.3 227.1





#13

Acetone

Concen: 45.489 ug/L

RT: 3.70 min Scan# 390

Delta R.T. 0.00 min

Lab File: VR025359.D

Acq: 19 Jun 2018 11:04

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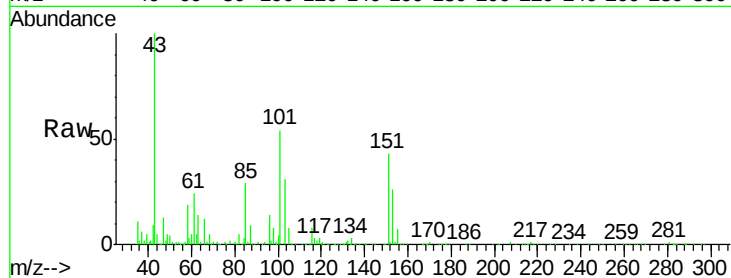
VSTD00589

Tgt Ion: 43 Resp: 118663

Ion Ratio Lower Upper

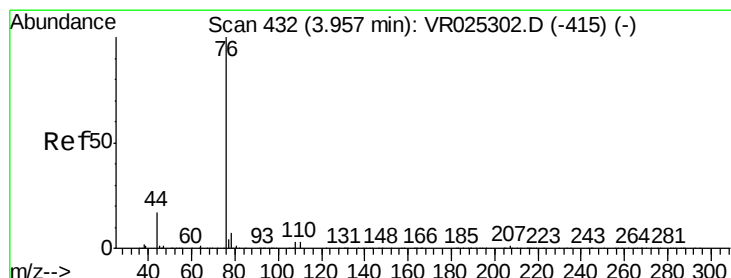
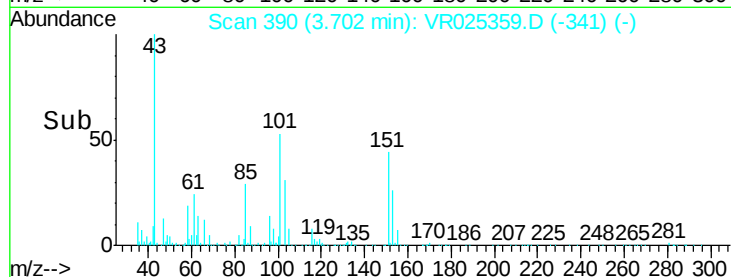
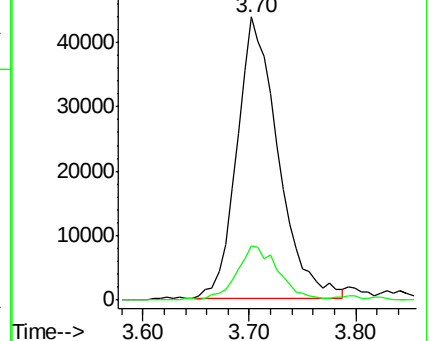
43 100

58 19.5 0.0 41.6



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#14

Carbon disulfide

Concen: 4.065 ug/L

RT: 3.96 min Scan# 433

Delta R.T. 0.01 min

Lab File: VR025359.D

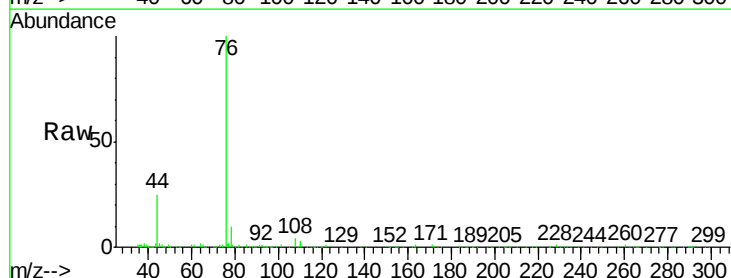
Acq: 19 Jun 2018 11:04

Tgt Ion: 76 Resp: 190168

Ion Ratio Lower Upper

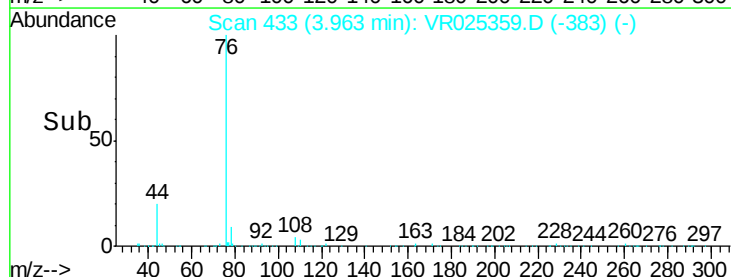
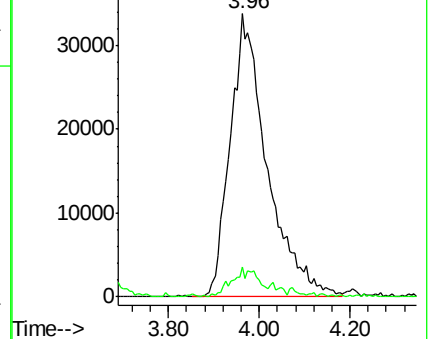
76 100

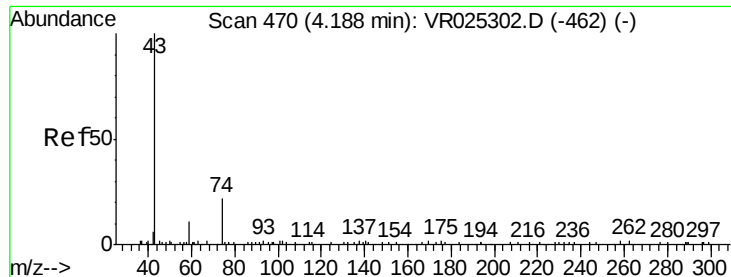
78 10.4 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0





#15

Methyl Acetate

Concen: 4.055 ug/L

RT: 4.20 min Scan# 472

Delta R.T. 0.00 min

Lab File: VR025359.D

Acq: 19 Jun 2018 11:04

Instrument :

MSVOA_R

ClientSampled :

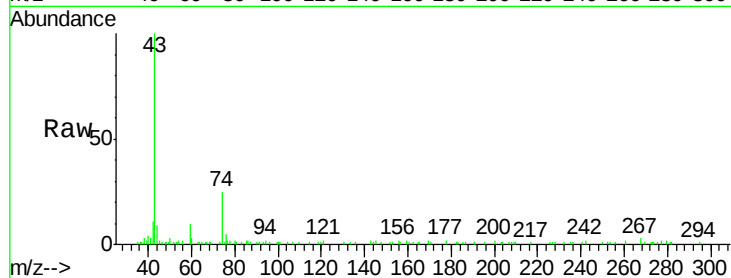
VSTD00589

Tgt Ion: 43 Resp: 26599

Ion Ratio Lower Upper

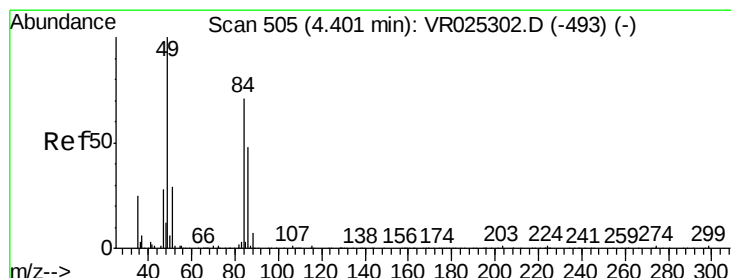
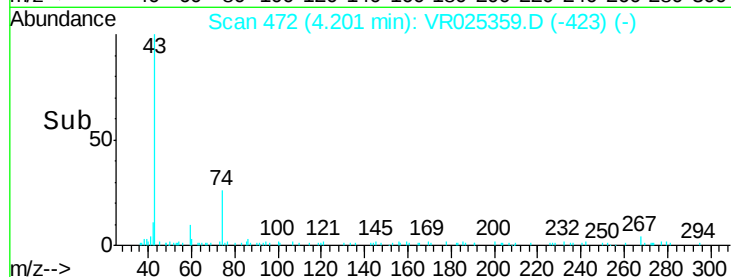
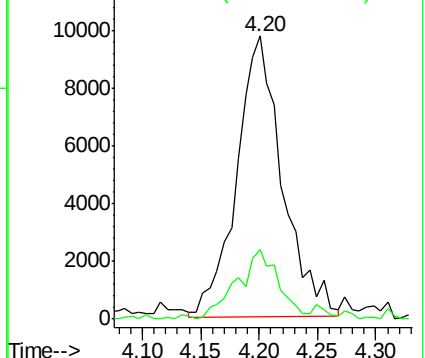
43 100

74 22.4 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: 2.956 ug/L

RT: 4.41 min Scan# 507

Delta R.T. 0.01 min

Lab File: VR025359.D

Acq: 19 Jun 2018 11:04

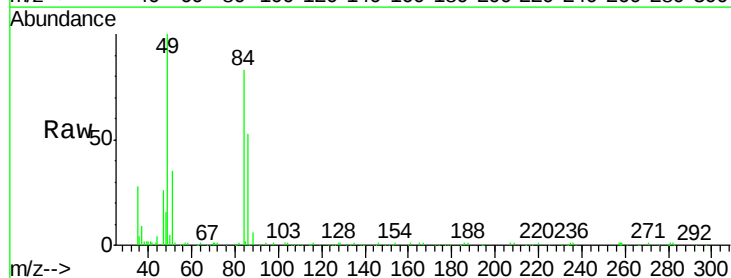
Tgt Ion: 84 Resp: 59813

Ion Ratio Lower Upper

84 100

86 64.0 43.7 81.1

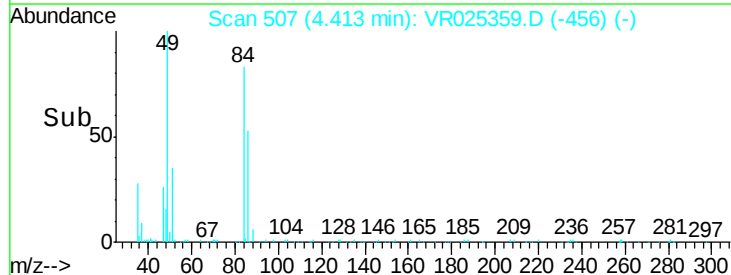
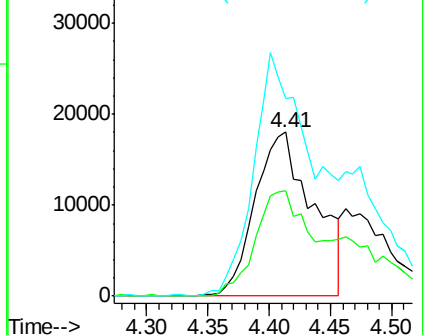
49 120.3 87.2 162.0

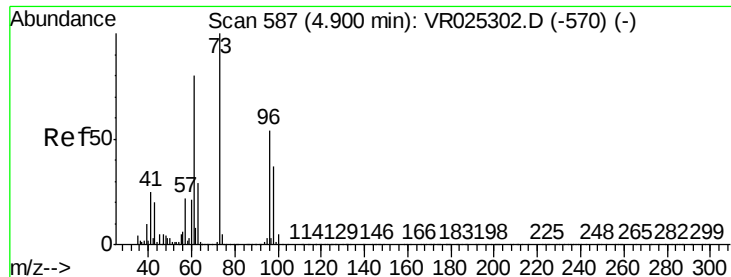


Abundance Ion 84.05 (83.75 to 84.75): VR0

Ion 86.00 (85.70 to 86.70): VR0

Ion 49.10 (48.80 to 49.80): VR0



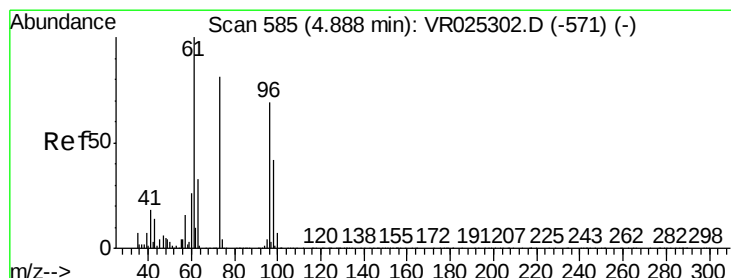
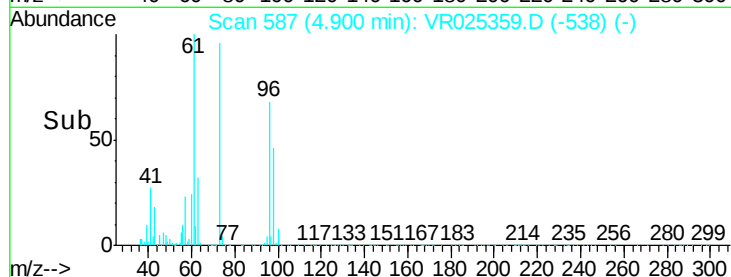
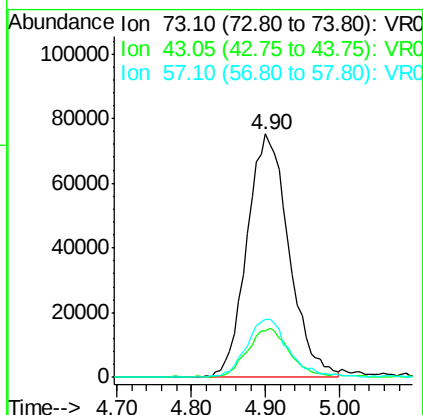
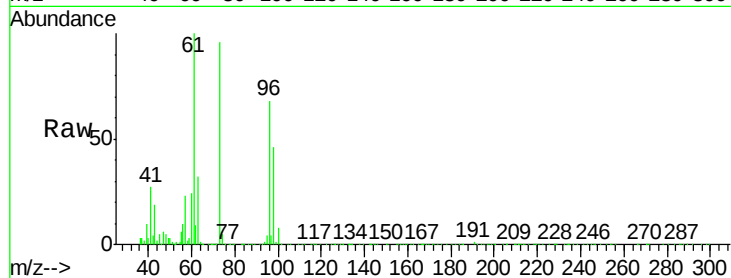


#17

Methyl tert-butyl Ether
Concen: 4.475 ug/L
RT: 4.90 min Scan# 587
Delta R.T. 0.00 min
Lab File: VR025359.D
Acq: 19 Jun 2018 11:04

Instrument :
MSVOA_R
ClientSampleId :
VSTD00589

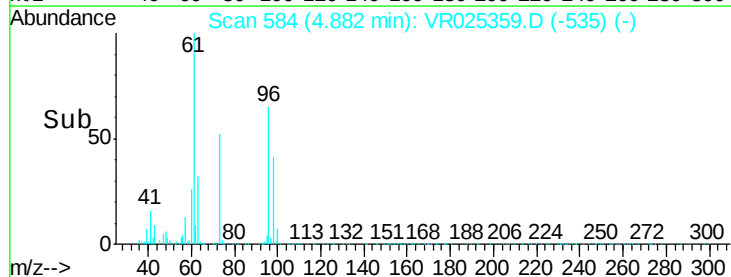
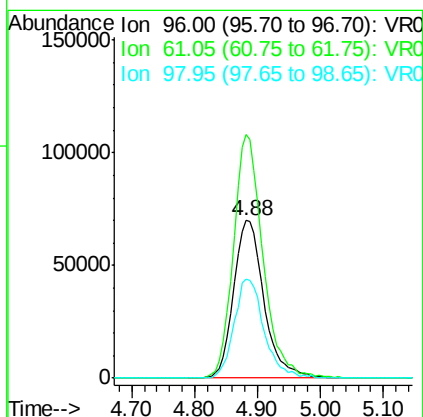
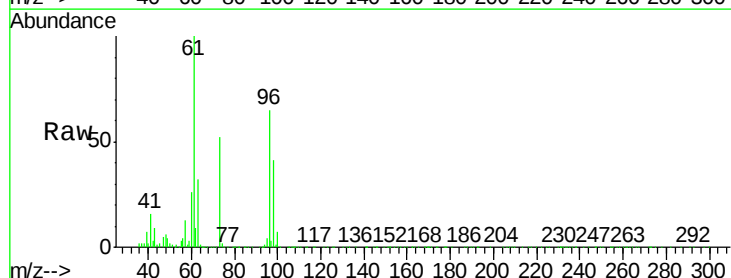
Tgt Ion:	73	Resp:	296634
Ion	Ratio	Lower	Upper
73	100		
43	20.1	15.8	23.6
57	24.1	19.0	28.4

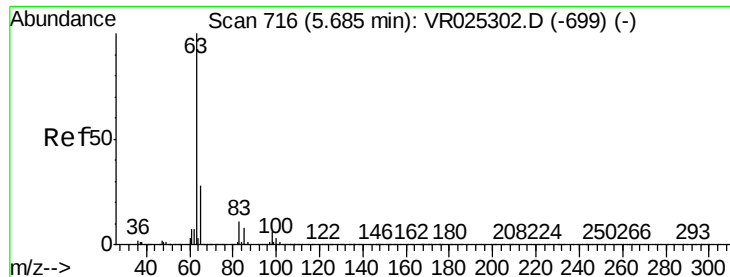


#18

trans-1,2-Dichloroethene
Concen: 5.120 ug/L
RT: 4.88 min Scan# 584
Delta R.T. 0.00 min
Lab File: VR025359.D
Acq: 19 Jun 2018 11:04

Tgt Ion:	96	Resp:	234086
Ion	Ratio	Lower	Upper
96	100		
61	154.6	104.4	193.8
98	63.2	43.1	80.1

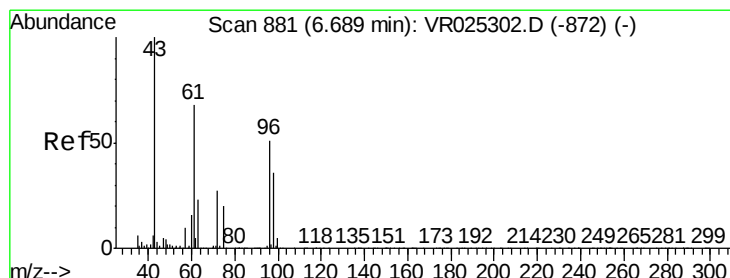
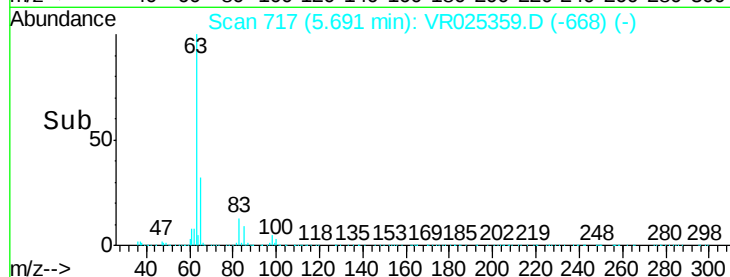
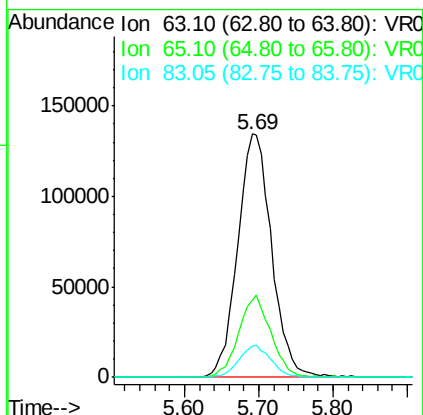
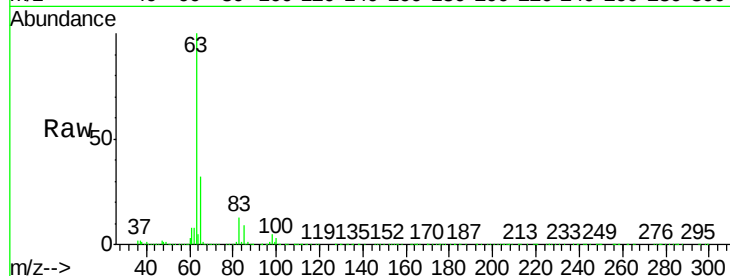




#19
1,1-Dichloroethane
Concen: 4.988 ug/L
RT: 5.69 min Scan# 717
Delta R.T. 0.00 min
Lab File: VR025359.D
Acq: 19 Jun 2018 11:04

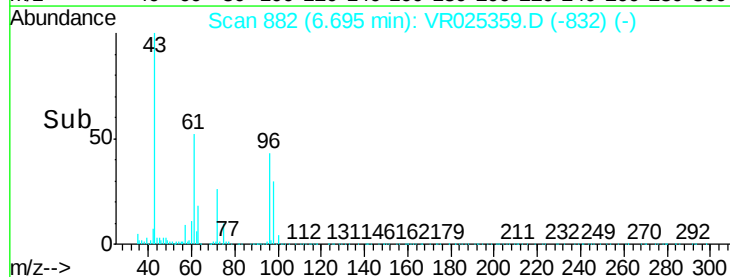
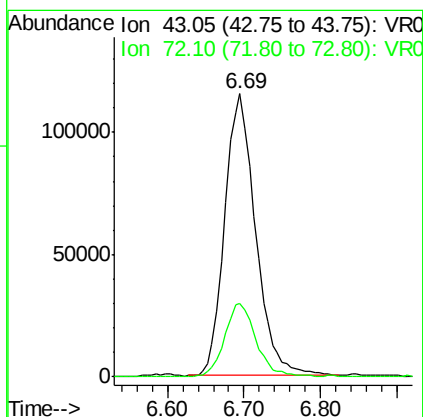
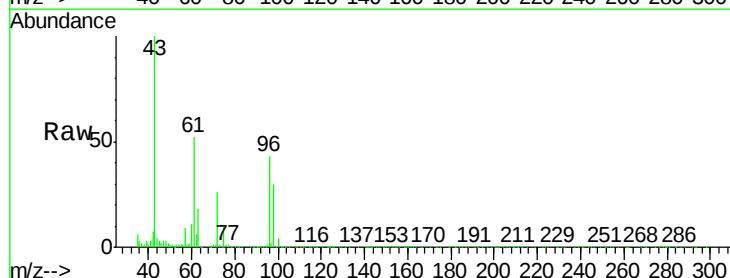
Instrument :
MSVOA_R
ClientSampleId :
VSTD00589

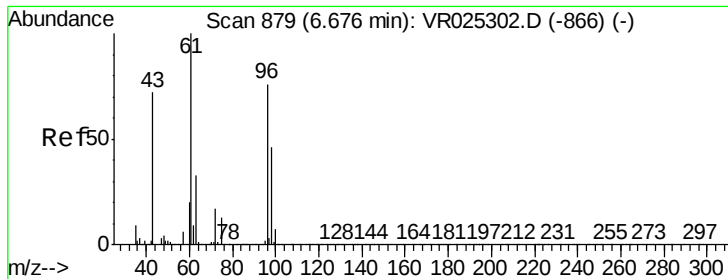
Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.6	22.5	41.7
83	12.7	9.5	17.7



#21
2-Butanone
Concen: 52.418 ug/L
RT: 6.69 min Scan# 882
Delta R.T. 0.01 min
Lab File: VR025359.D
Acq: 19 Jun 2018 11:04

Tgt Ion	Ratio	Lower	Upper
43	100		
72	26.6	13.0	38.9



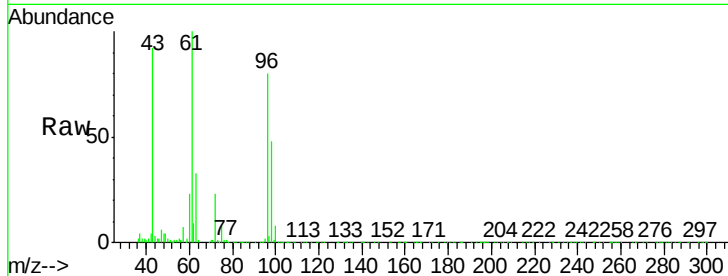


#22

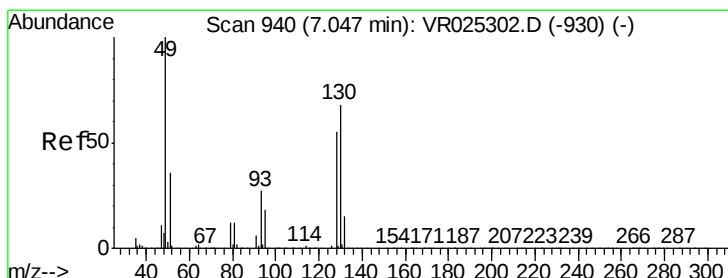
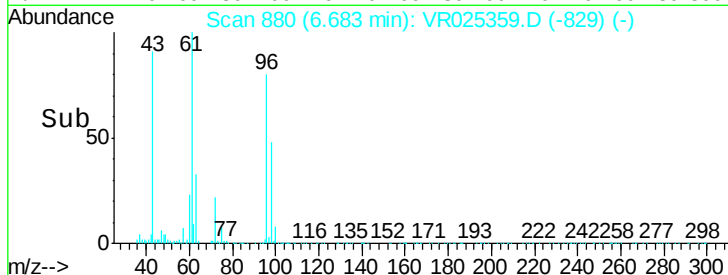
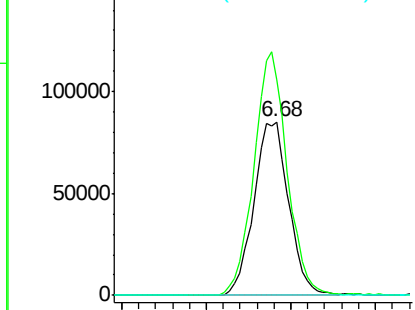
cis-1,2-Dichloroethene
Concen: 5.060 ug/L
RT: 6.68 min Scan# 880
Delta R.T. 0.01 min
Lab File: VR025359.D
Acq: 19 Jun 2018 11:04

Instrument :
MSVOA_R
ClientSampleId :
VSTD00589

Tgt Ion: 96 Resp: 241391
Ion Ratio Lower Upper
96 100
61 124.5 91.0 169.0
68 0.1 0.0 0.0#



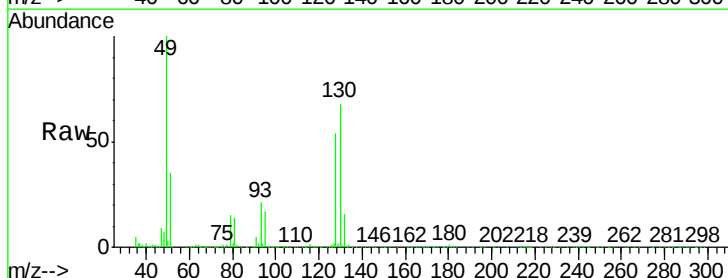
Abundance Ion 96.00 (95.70 to 96.70): VR0
Ion 61.05 (60.75 to 61.75): VR0
Ion 68.15 (67.85 to 68.85): VR0



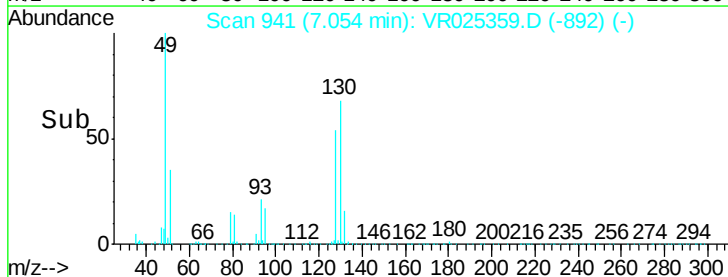
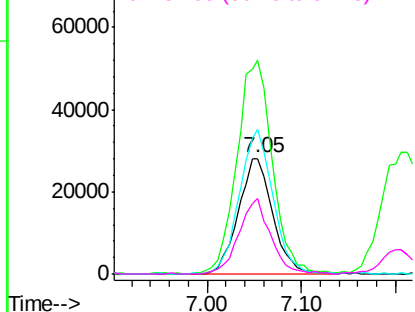
#23

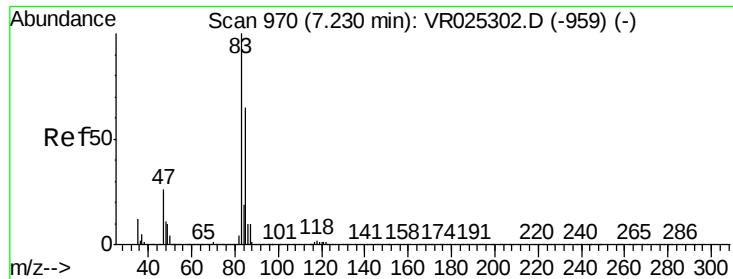
Bromochloromethane
Concen: 5.026 ug/L
RT: 7.05 min Scan# 941
Delta R.T. 0.00 min
Lab File: VR025359.D
Acq: 19 Jun 2018 11:04

Tgt Ion: 128 Resp: 70221
Ion Ratio Lower Upper
128 100
49 185.2 128.7 238.9
130 125.5 87.2 161.9
51 65.2 48.2 72.2



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VR0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VR0

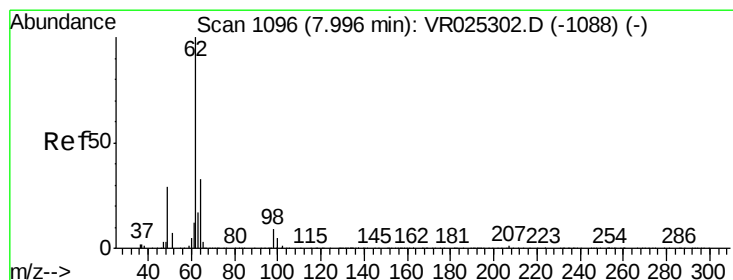
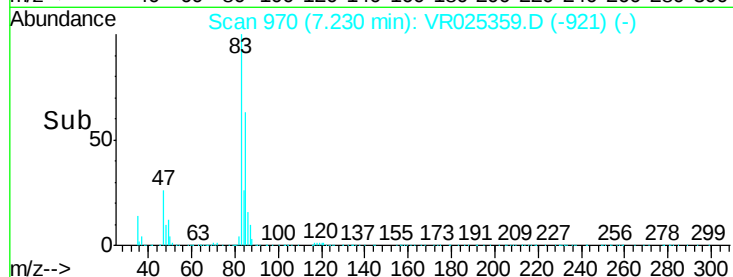
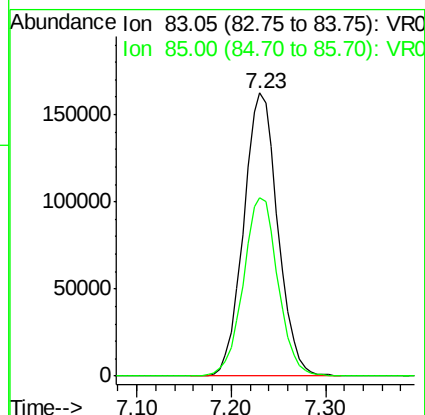
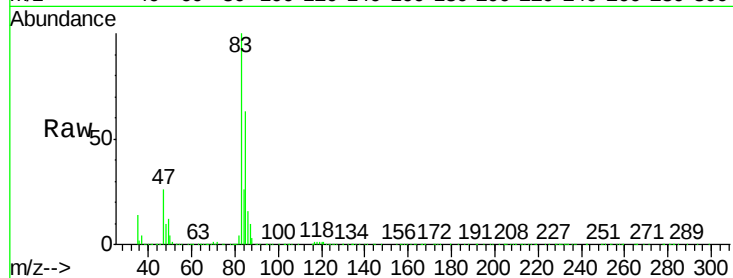




#25
Chloroform
Concen: 5.237 ug/L
RT: 7.23 min Scan# 970
Delta R.T. 0.00 min
Lab File: VR025359.D
Acq: 19 Jun 2018 11:04

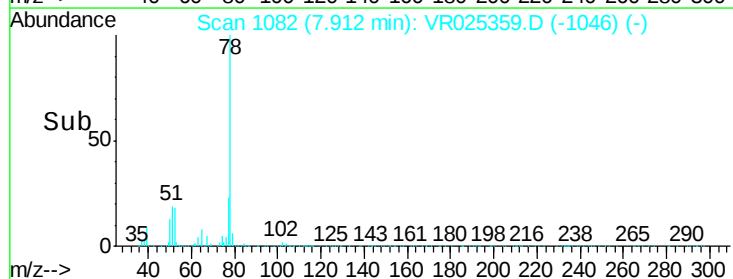
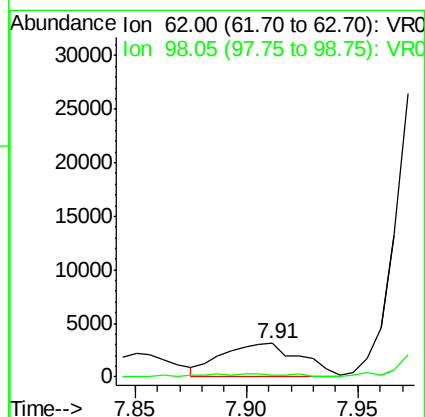
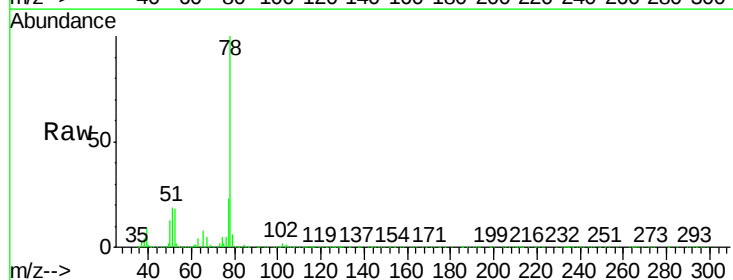
Instrument :
MSVOA_R
ClientSampleId :
VSTD00589

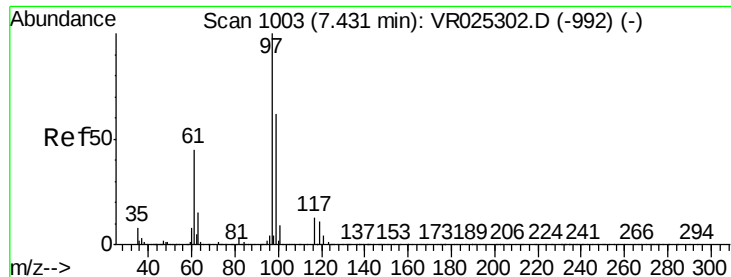
Tgt Ion: 83 Resp: 411137
Ion Ratio Lower Upper
83 100
85 63.2 45.4 84.4



#27
1,2-Dichloroethane
Concen: 0.209 ug/L
RT: 7.91 min Scan# 1082
Delta R.T. -0.08 min
Lab File: VR025359.D
Acq: 19 Jun 2018 11:04

Tgt Ion: 62 Resp: 7477
Ion Ratio Lower Upper
62 100
98 7.2 5.4 8.2

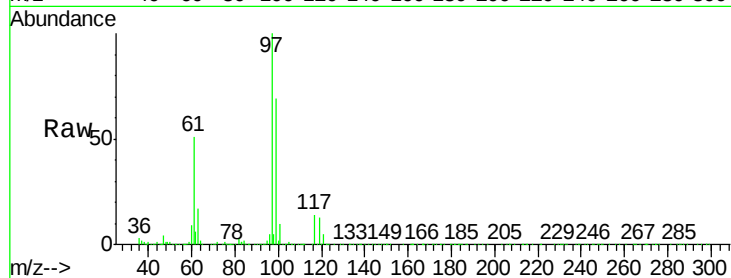




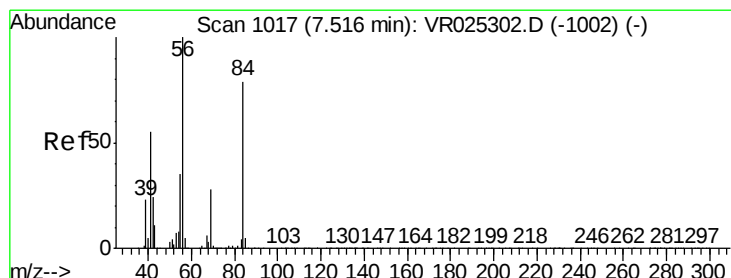
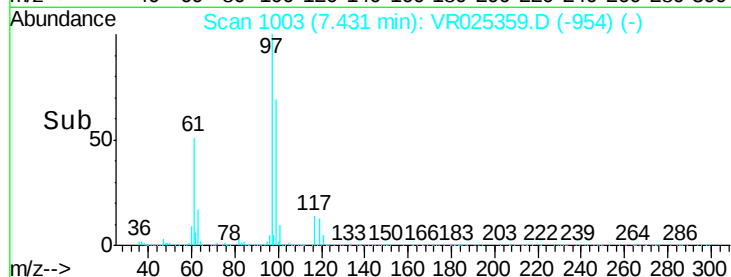
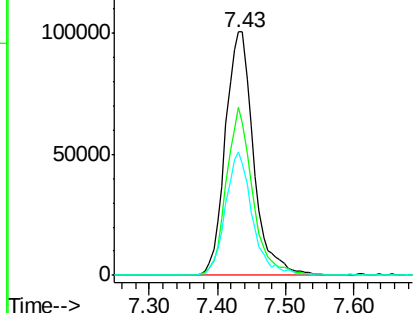
#29
 1,1,1-Trichloroethane
 Concen: 4.629 ug/L
 RT: 7.43 min Scan# 1003
 Delta R.T. 0.00 min
 Lab File: VR025359.D
 Acq: 19 Jun 2018 11:04

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00589

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	52.1	78.1
61	48.1	37.0	55.6

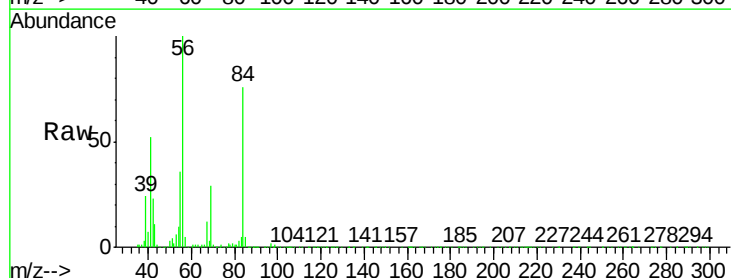


Abundance Ion 96.95 (96.65 to 97.65): VR0
 Ion 99.05 (98.75 to 99.75): VR0
 Ion 61.05 (60.75 to 61.75): VR0

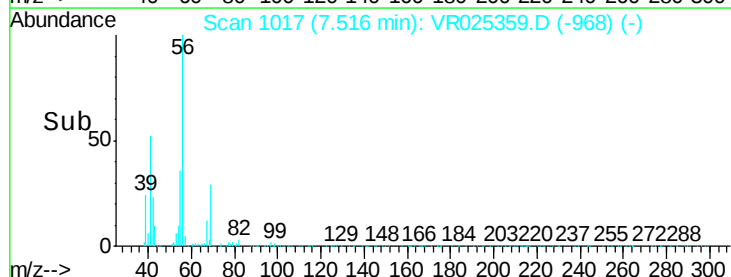
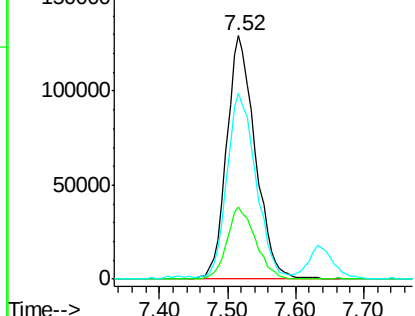


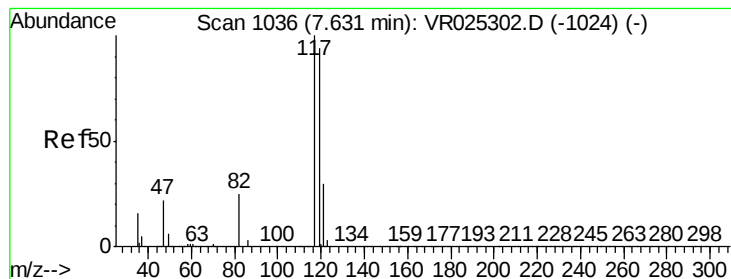
#30
 Cyclohexane
 Concen: 4.732 ug/L
 RT: 7.52 min Scan# 1017
 Delta R.T. 0.00 min
 Lab File: VR025359.D
 Acq: 19 Jun 2018 11:04

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.5	23.7	35.5
84	77.3	62.6	93.8



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





#31

Carbon tetrachloride

Concen: 5.034 ug/L

RT: 7.64 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VR025359.D

Acq: 19 Jun 2018 11:04

Instrument :

MSVOA_R

ClientSampleId :

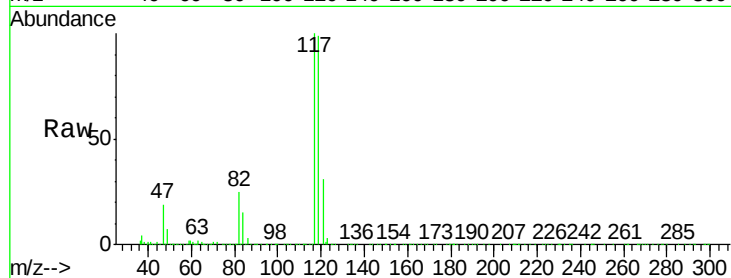
VSTD00589

Tgt Ion:117 Resp: 275993

Ion Ratio Lower Upper

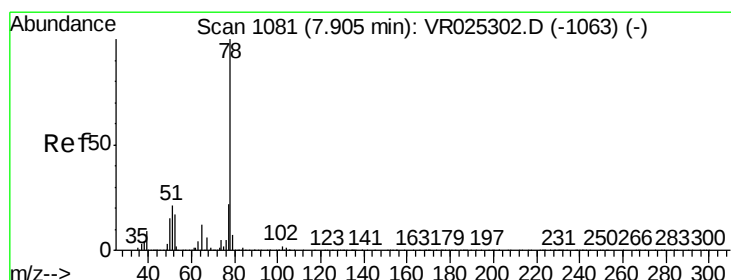
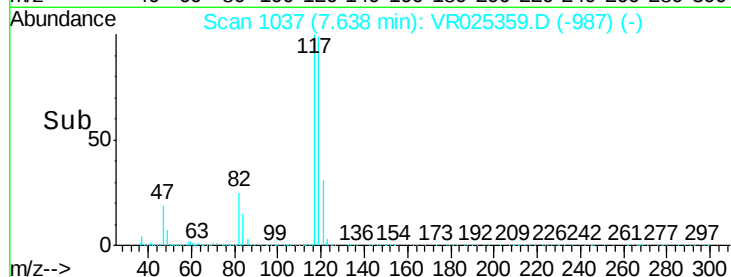
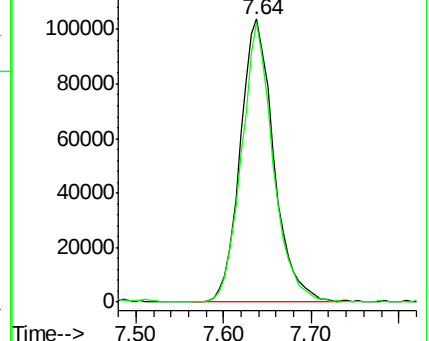
117 100

119 93.2 75.5 113.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.868 ug/L

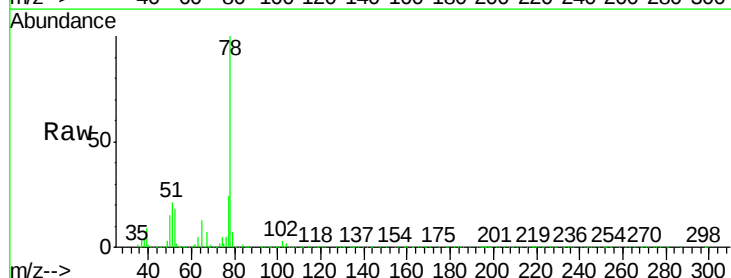
RT: 7.91 min Scan# 1081

Delta R.T. 0.00 min

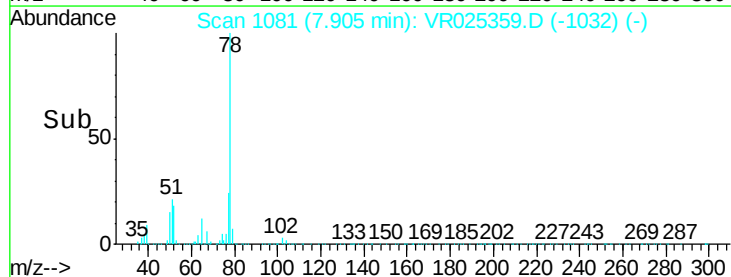
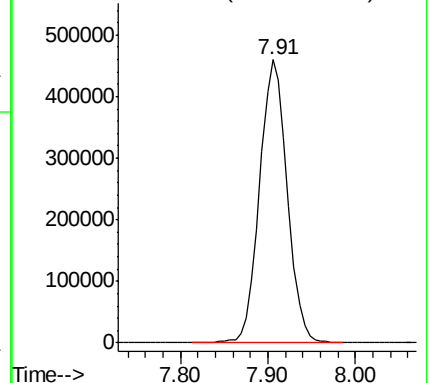
Lab File: VR025359.D

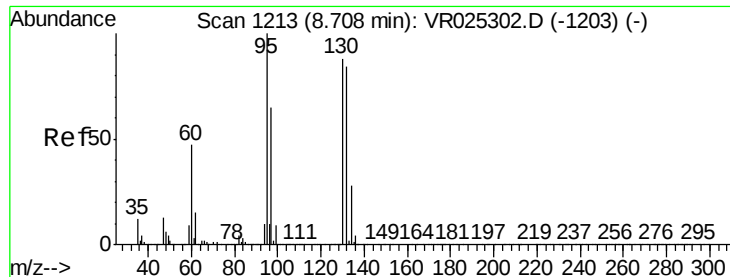
Acq: 19 Jun 2018 11:04

Tgt Ion: 78 Resp: 1004675



Abundance Ion 78.10 (77.80 to 78.80): VR0





#34

Trichloroethene

Concen: 4.792 ug/L

RT: 8.71 min Scan# 1213

Delta R.T. 0.00 min

Lab File: VR025359.D

Acq: 19 Jun 2018 11:04

Instrument :

MSVOA_R

ClientSampleId :

VSTD00589

Tgt Ion: 95 Resp: 239301

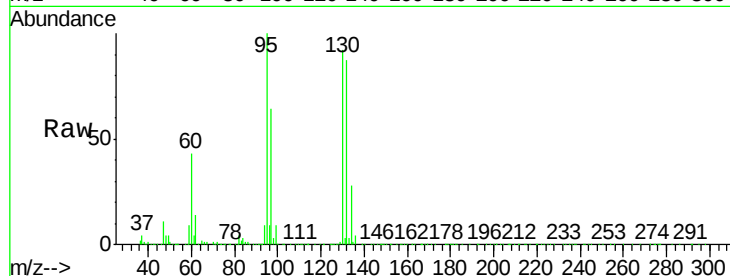
Ion Ratio Lower Upper

95 100

97 64.3 45.6 84.6

132 86.9 60.9 113.1

130 91.8 62.0 115.2

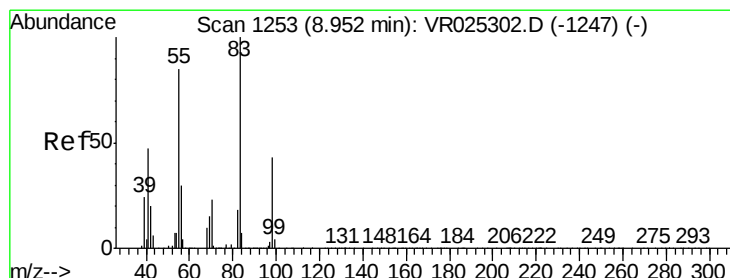
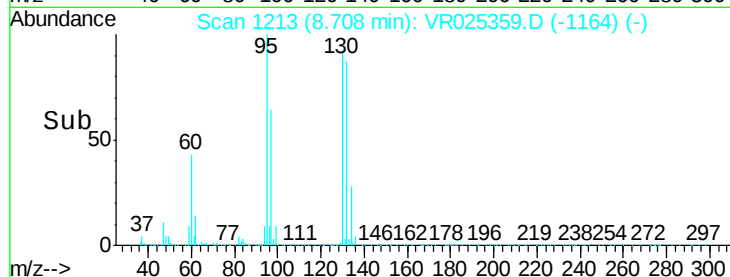
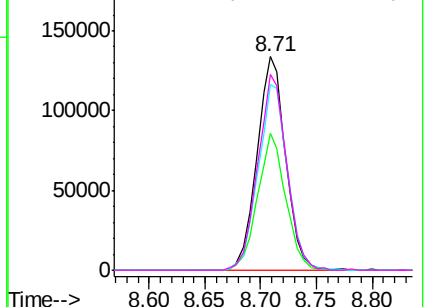


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 5.118 ug/L

RT: 8.96 min Scan# 1254

Delta R.T. 0.01 min

Lab File: VR025359.D

Acq: 19 Jun 2018 11:04

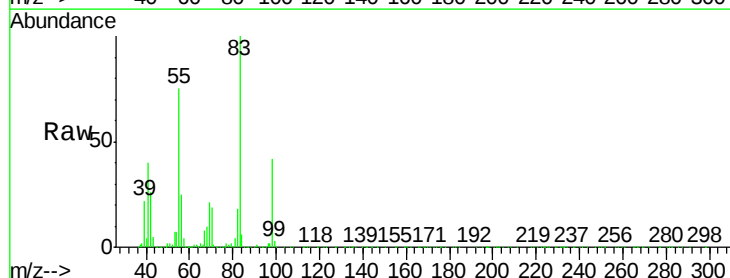
Tgt Ion: 83 Resp: 403324

Ion Ratio Lower Upper

83 100

55 80.6 66.1 99.1

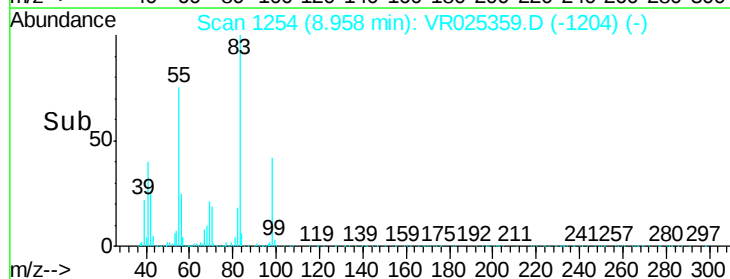
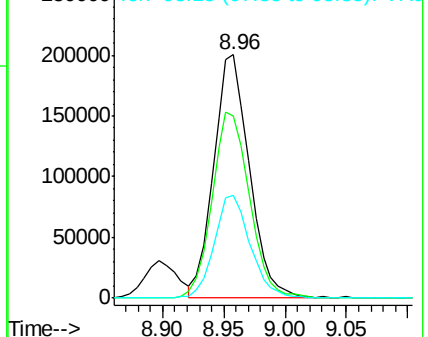
98 43.1 36.2 54.4

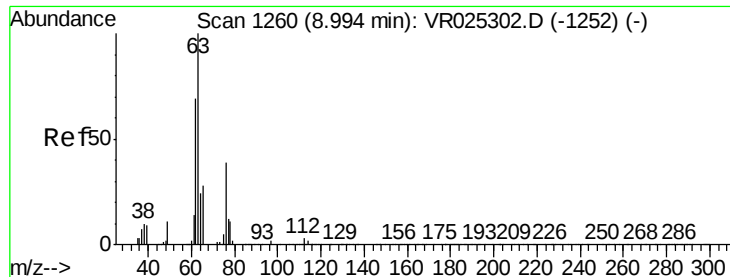


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 5.206 ug/L

RT: 8.99 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VR025359.D

Acq: 19 Jun 2018 11:04

Instrument :

MSVOA_R

ClientSampled :

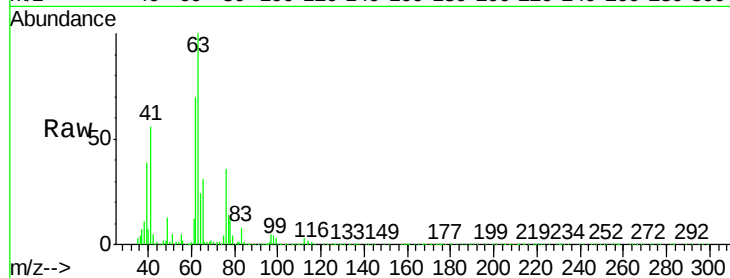
VSTD00589

Tgt Ion: 63 Resp: 238879

Ion Ratio Lower Upper

63 100

112 3.6 2.9 4.3



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 112.10 (111.80 to 112.80): V

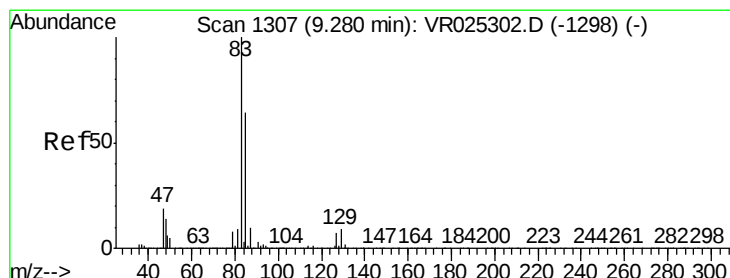
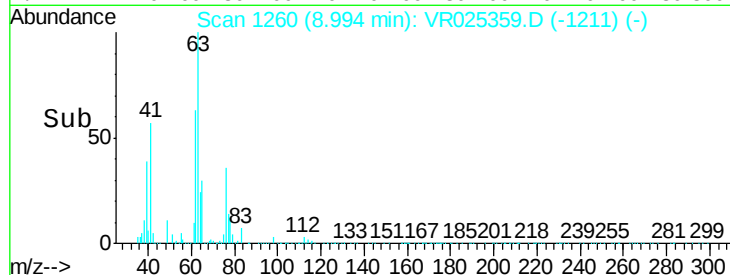
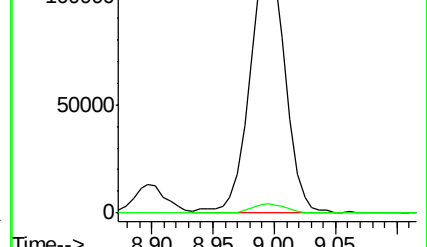
150000

100000

50000

0

8.90 8.95 9.00 9.05



#38

Bromodichloromethane

Concen: 5.043 ug/L

RT: 9.28 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VR025359.D

Acq: 19 Jun 2018 11:04

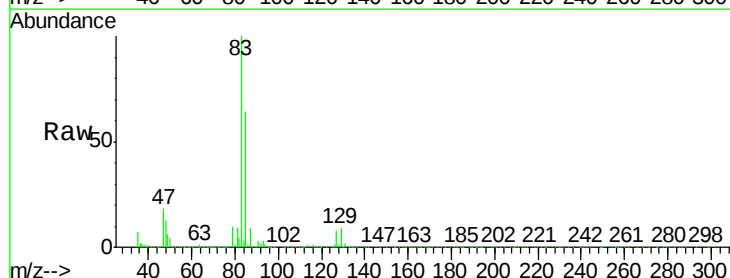
Tgt Ion: 83 Resp: 224415

Ion Ratio Lower Upper

83 100

85 63.6 46.1 85.7

127 8.0 5.7 8.5



Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 126.90 (126.60 to 127.60): V

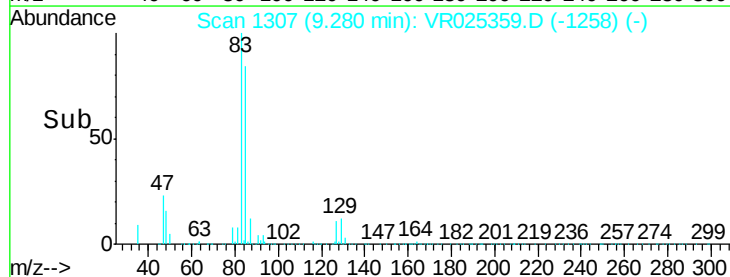
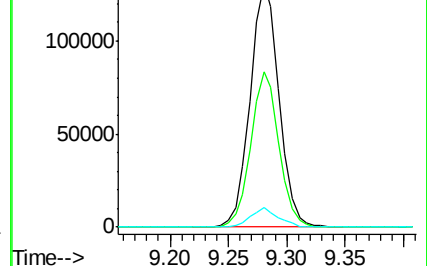
150000

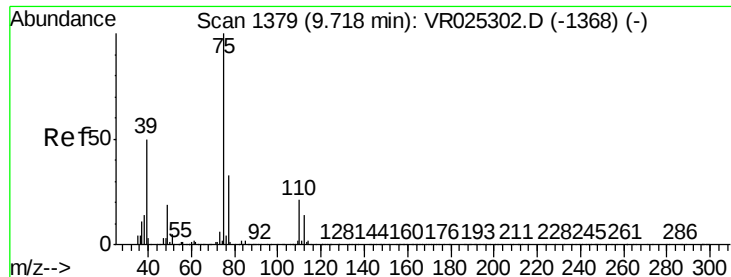
100000

50000

0

9.20 9.25 9.30 9.35



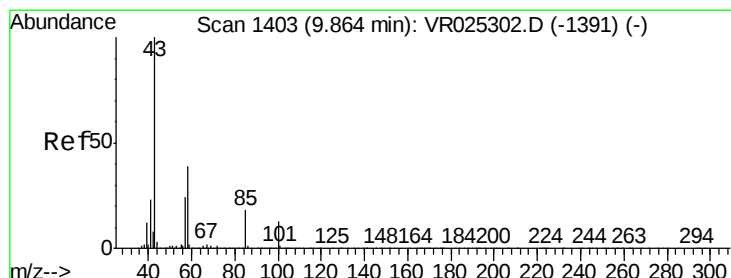
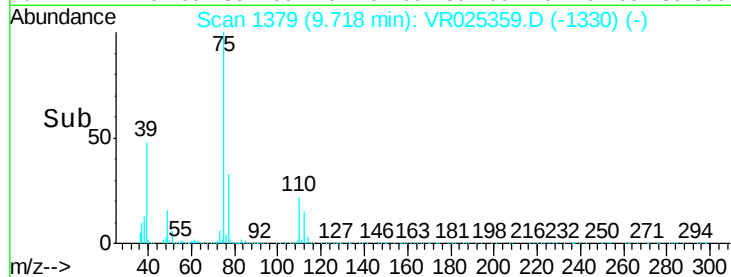
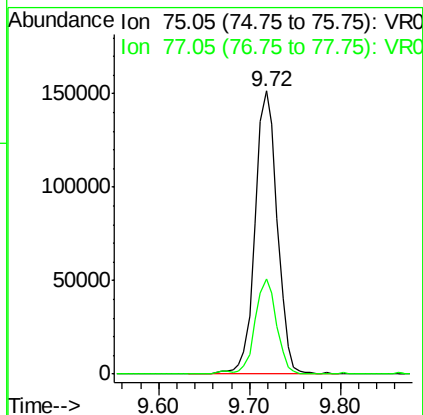
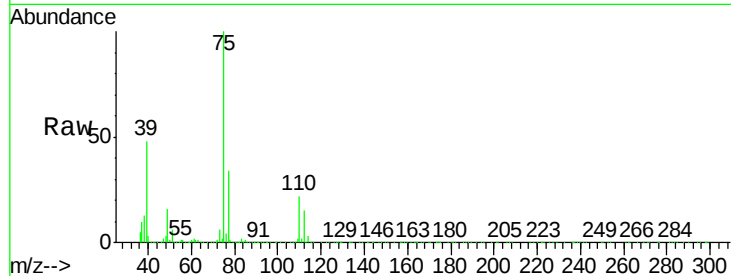


#39

cis-1,3-Dichloropropene
 Concen: 4.765 ug/L
 RT: 9.72 min Scan# 1379
 Delta R.T. 0.00 min
 Lab File: VR025359.D
 Acq: 19 Jun 2018 11:04

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00589

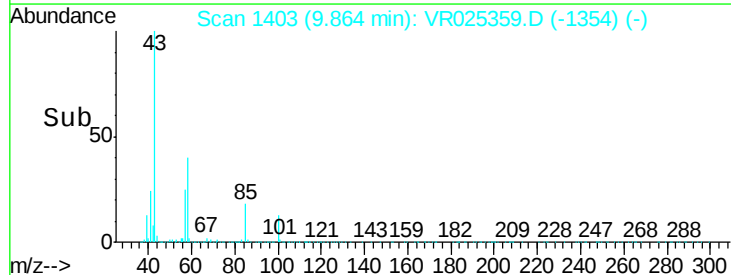
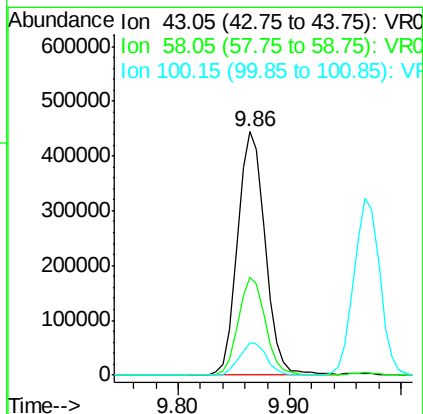
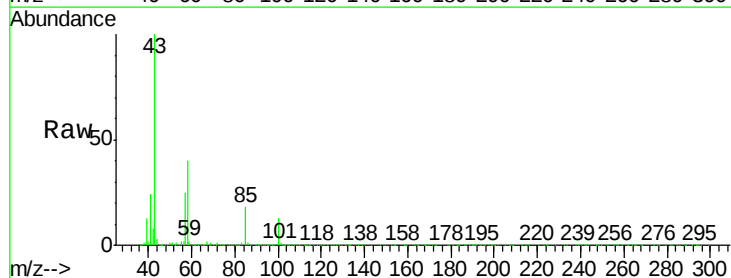
Tgt Ion: 75 Resp: 257482
 Ion Ratio Lower Upper
 75 100
 77 33.6 21.1 39.1

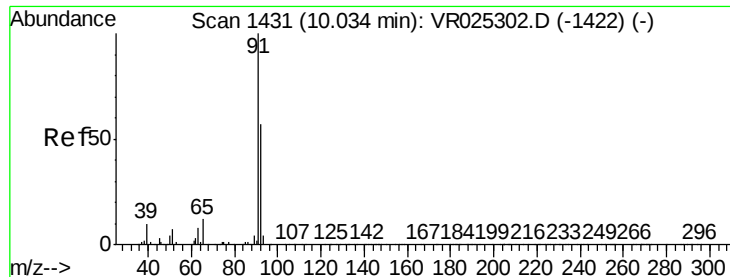


#40

4-Methyl-2-pentanone
 Concen: 51.183 ug/L
 RT: 9.86 min Scan# 1403
 Delta R.T. 0.00 min
 Lab File: VR025359.D
 Acq: 19 Jun 2018 11:04

Tgt Ion: 43 Resp: 759957
 Ion Ratio Lower Upper
 43 100
 58 39.5 30.3 45.5
 100 13.1 10.3 15.5





#42

Toluene

Concen: 4.717 ug/L

RT: 10.03 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VR025359.D

Acq: 19 Jun 2018 11:04

Instrument :

MSVOA_R

ClientSampleId :

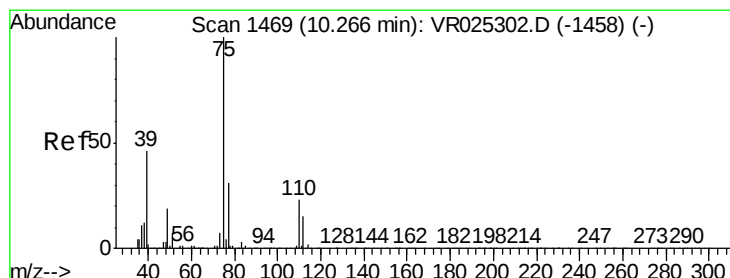
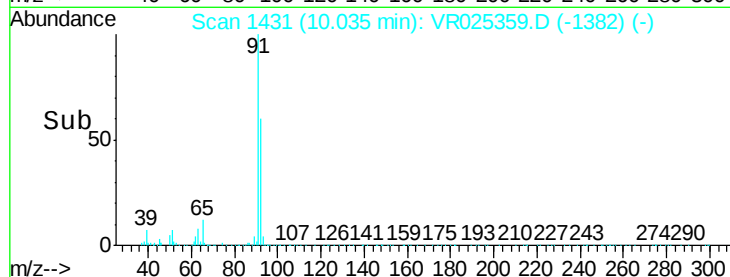
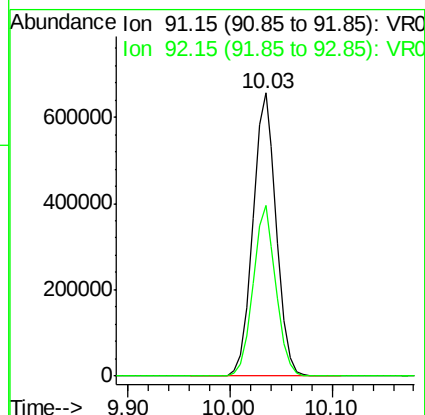
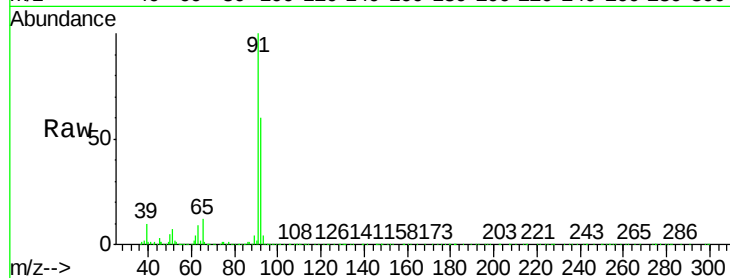
VSTD00589

Tgt Ion: 91 Resp: 1043304

Ion Ratio Lower Upper

91 100

92 60.4 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 4.883 ug/L

RT: 10.27 min Scan# 1469

Delta R.T. 0.01 min

Lab File: VR025359.D

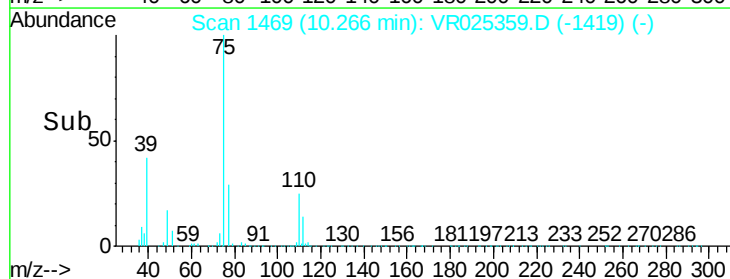
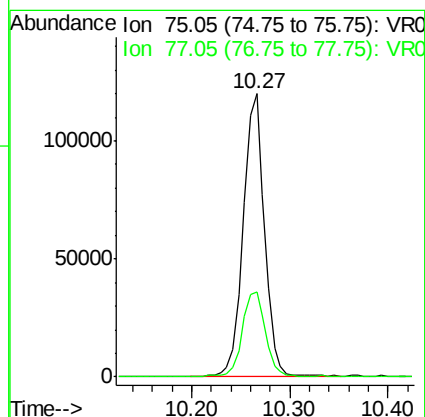
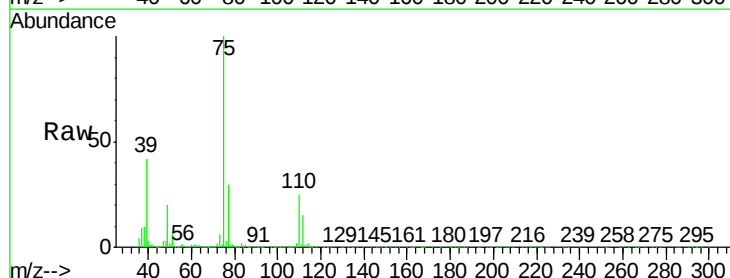
Acq: 19 Jun 2018 11:04

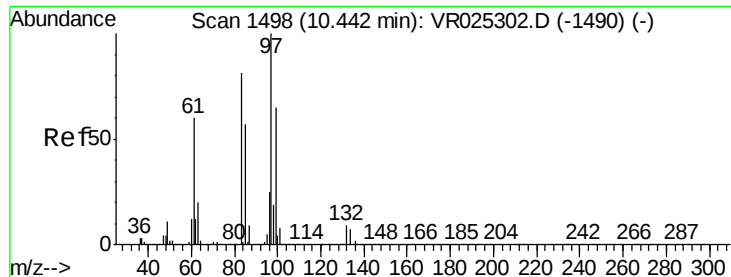
Tgt Ion: 75 Resp: 181508

Ion Ratio Lower Upper

75 100

77 29.9 20.6 38.4

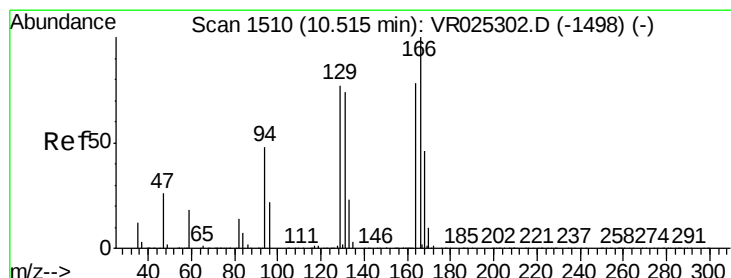
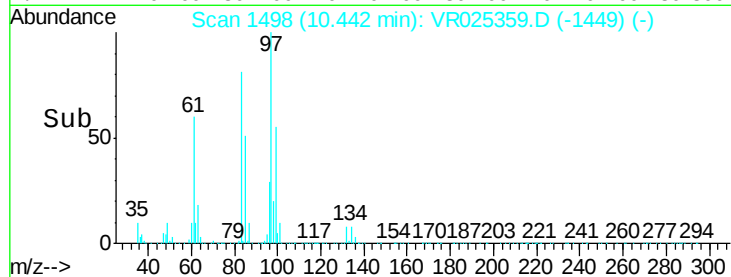
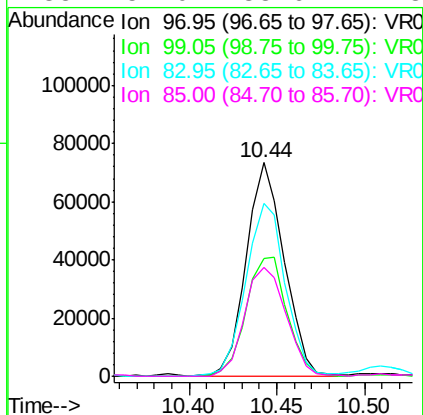
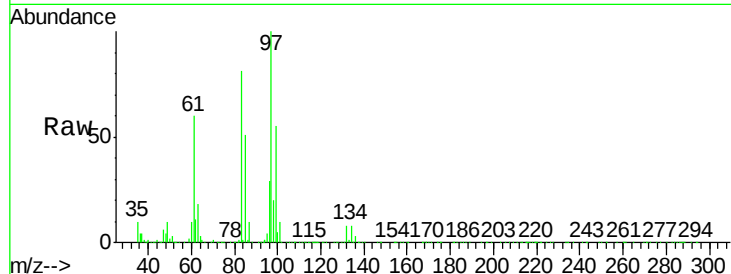




#45
 1,1,2-Trichloroethane
 Concen: 5.167 ug/L
 RT: 10.44 min Scan# 1498
 Delta R.T. 0.00 min
 Lab File: VR025359.D
 Acq: 19 Jun 2018 11:04

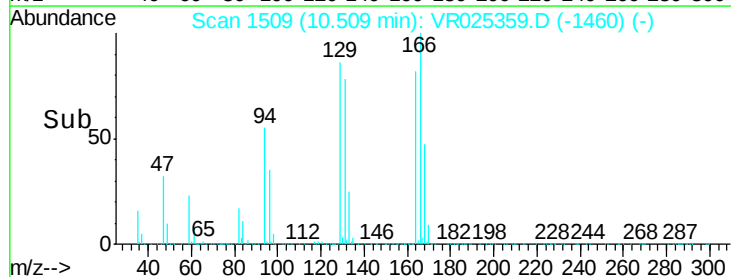
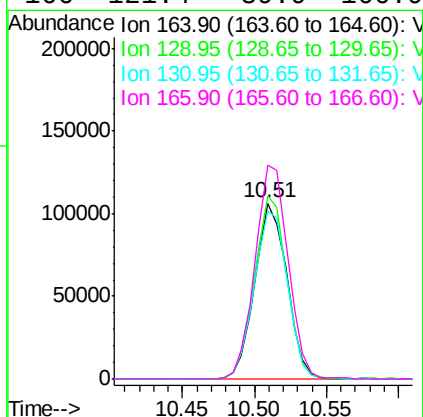
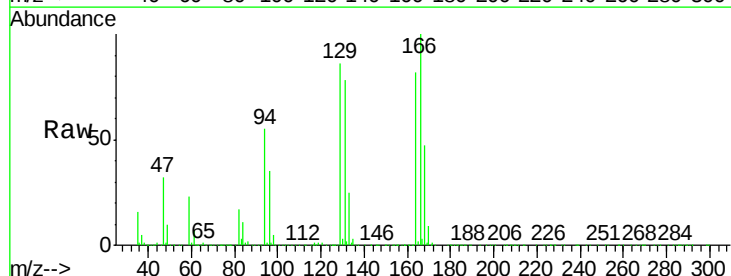
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00589

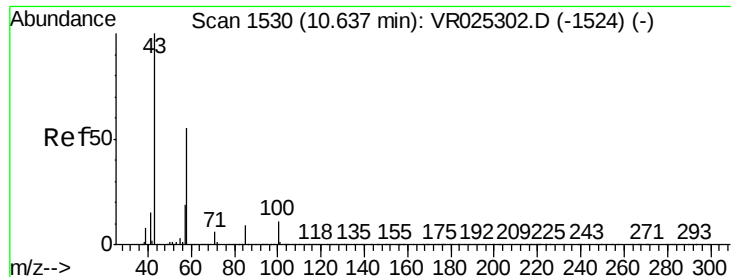
Tgt Ion:	97	Resp:	110058
Ion	Ratio	Lower	Upper
97	100		
99	55.4	41.9	77.9
83	80.9	64.5	119.9
85	51.0	38.6	71.8



#47
 Tetrachloroethene
 Concen: 4.902 ug/L
 RT: 10.51 min Scan# 1509
 Delta R.T. 0.00 min
 Lab File: VR025359.D
 Acq: 19 Jun 2018 11:04

Tgt Ion:	164	Resp:	163422
Ion	Ratio	Lower	Upper
164	100		
129	104.2	68.1	126.5
131	95.2	68.5	127.1
166	121.4	89.9	166.9





#48

2-Hexanone

Concen: 54.464 ug/L

RT: 10.63 min Scan# 1529

Delta R.T. 0.00 min

Lab File: VR025359.D

Acq: 19 Jun 2018 11:04

Instrument :

MSVOA_R

ClientSampleId :

VSTD00589

Tgt Ion: 43 Resp: 515487

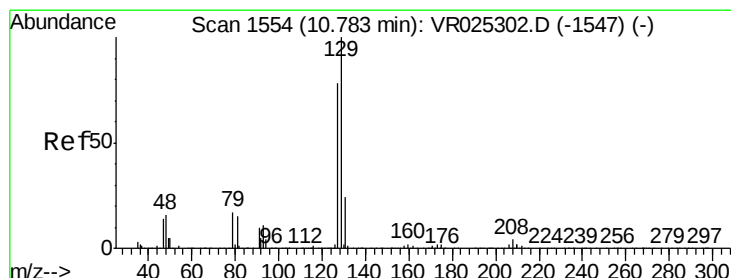
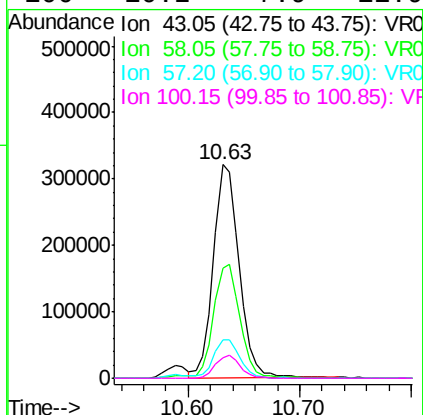
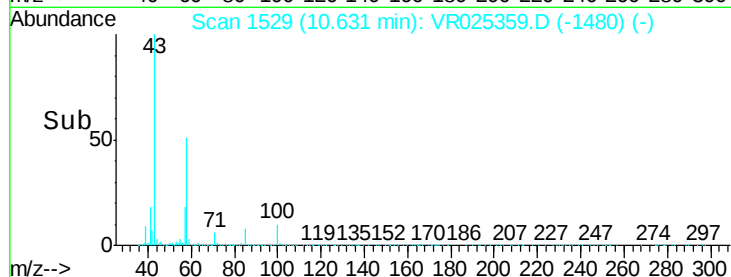
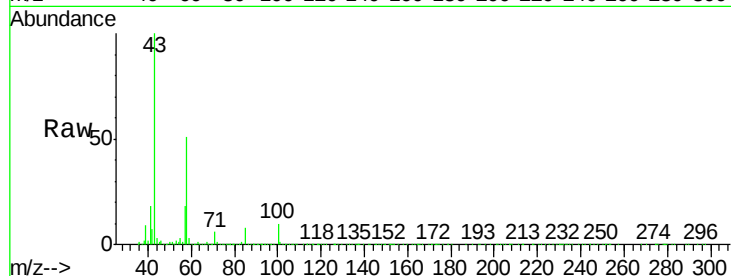
Ion Ratio Lower Upper

43 100

58 55.7 43.1 64.7

57 18.1 15.3 22.9

100 10.2 7.9 11.9



#49

Dibromochloromethane

Concen: 4.868 ug/L

RT: 10.78 min Scan# 1554

Delta R.T. 0.00 min

Lab File: VR025359.D

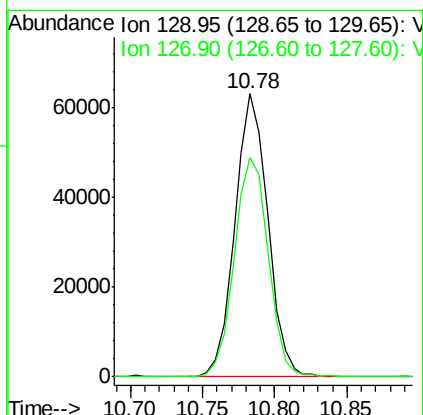
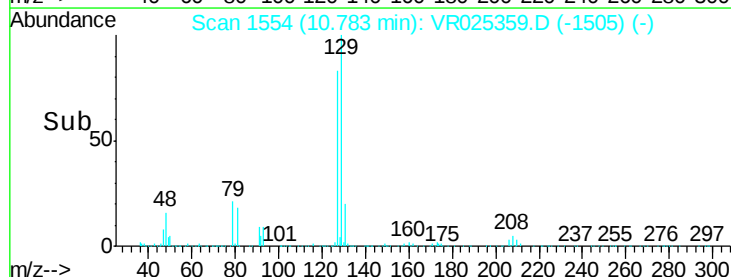
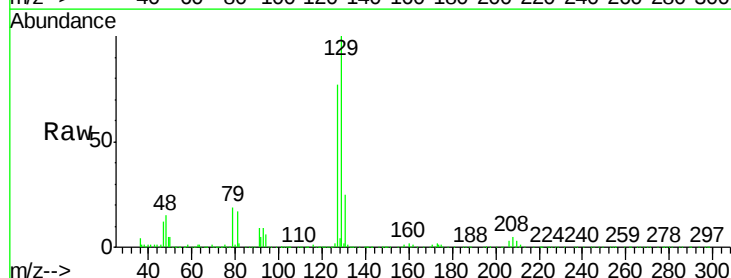
Acq: 19 Jun 2018 11:04

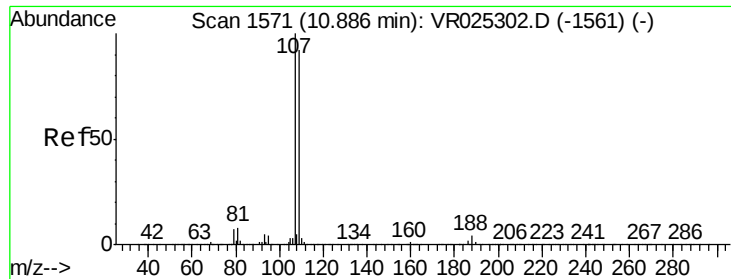
Tgt Ion: 129 Resp: 99840

Ion Ratio Lower Upper

129 100

127 77.5 55.9 103.7

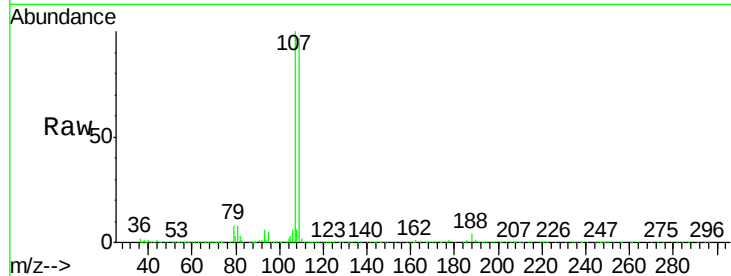




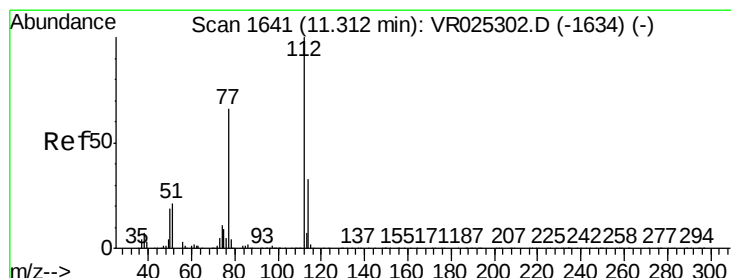
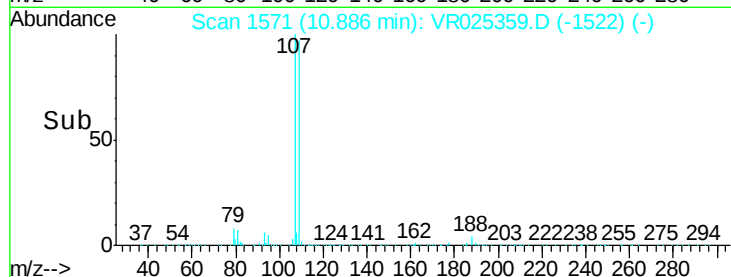
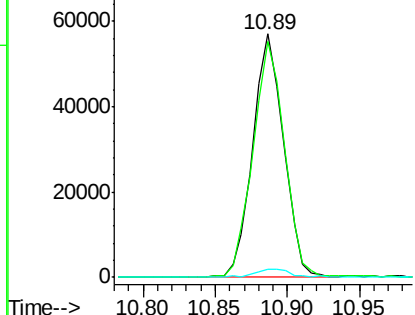
#50
1,2-Dibromoethane
Concen: 4.948 ug/L
RT: 10.89 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VR025359.D
Acq: 19 Jun 2018 11:04

Instrument :
MSVOA_R
ClientSampleId :
VSTD00589

Tgt Ion:107 Resp: 84484
Ion Ratio Lower Upper
107 100
109 96.9 63.1 117.3
188 3.6 1.8 2.8#

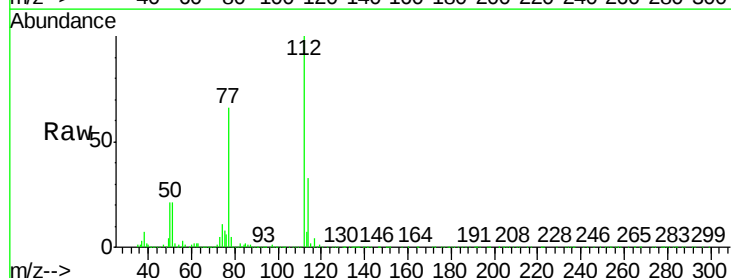


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

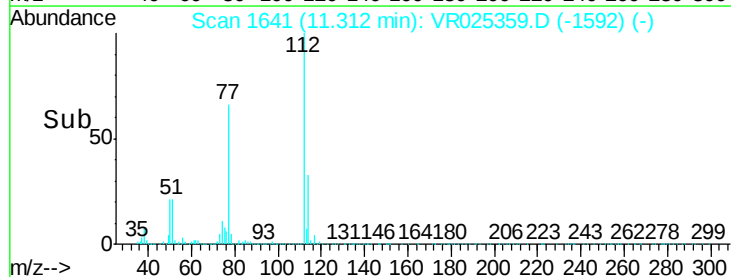
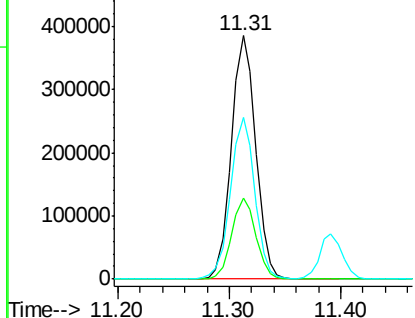


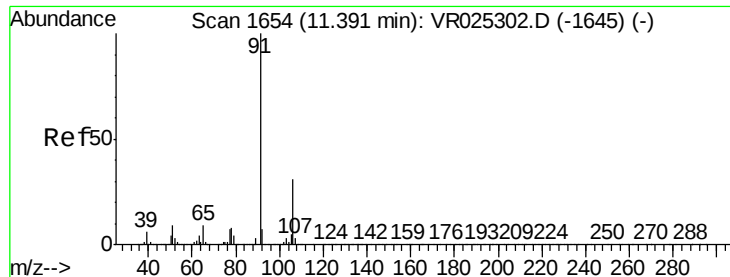
#51
Chlorobenzene
Concen: 4.922 ug/L
RT: 11.31 min Scan# 1641
Delta R.T. 0.00 min
Lab File: VR025359.D
Acq: 19 Jun 2018 11:04

Tgt Ion:112 Resp: 583080
Ion Ratio Lower Upper
112 100
114 33.4 21.6 40.0
77 66.4 51.9 77.9



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VR





#52

Ethylbenzene

Concen: 5.247 ug/L

RT: 11.39 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VR025359.D

Acq: 19 Jun 2018 11:04

Instrument :

MSVOA_R

ClientSampleId :

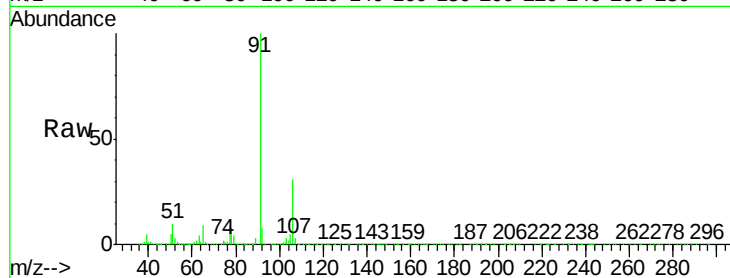
VSTD00589

Tgt Ion: 91 Resp: 1151416

Ion Ratio Lower Upper

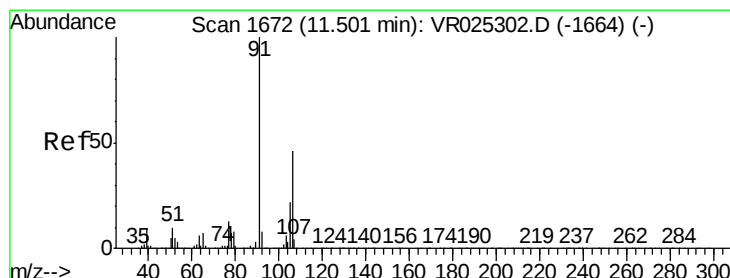
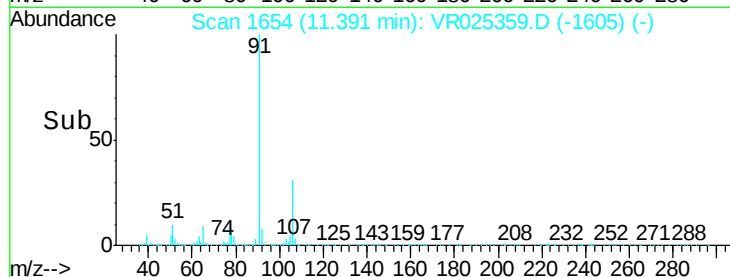
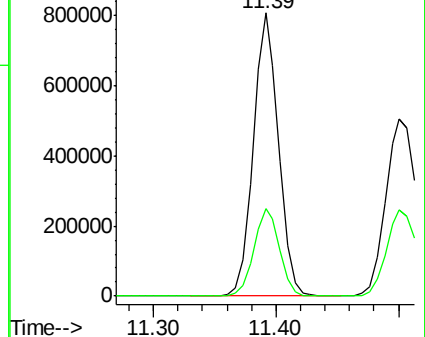
91 100

106 30.8 22.5 41.7



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 106.15 (105.85 to 106.85): V



#53

m,p-Xylene

Concen: 5.064 ug/L

RT: 11.50 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VR025359.D

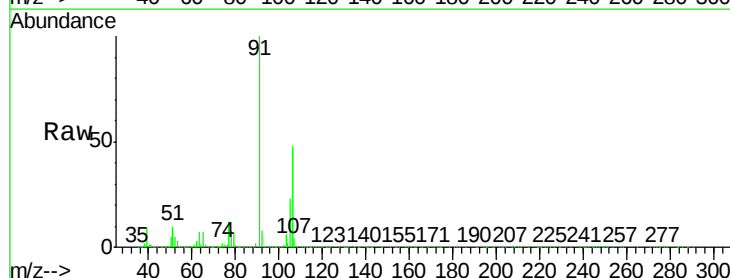
Acq: 19 Jun 2018 11:04

Tgt Ion: 106 Resp: 424260

Ion Ratio Lower Upper

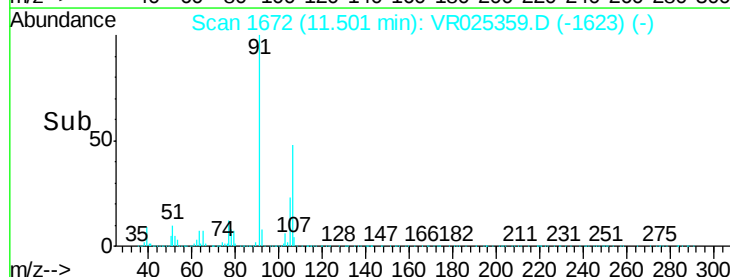
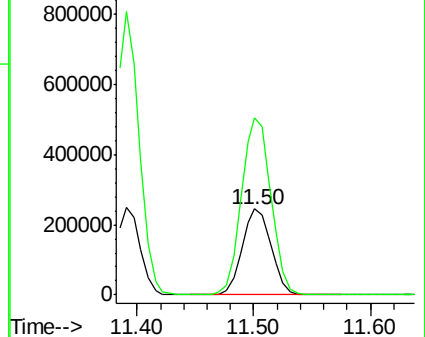
106 100

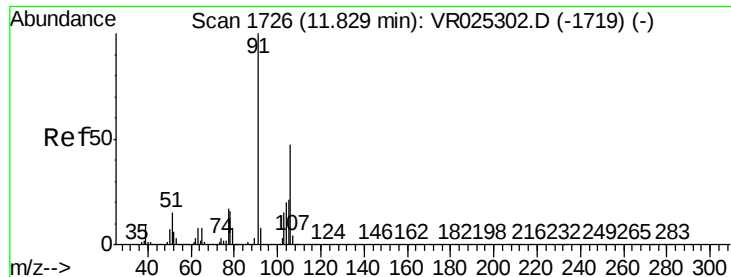
91 206.7 152.6 283.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0

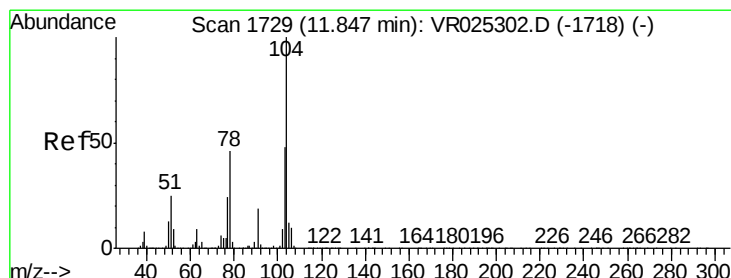
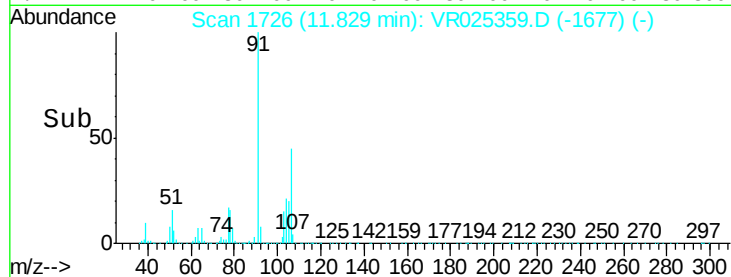
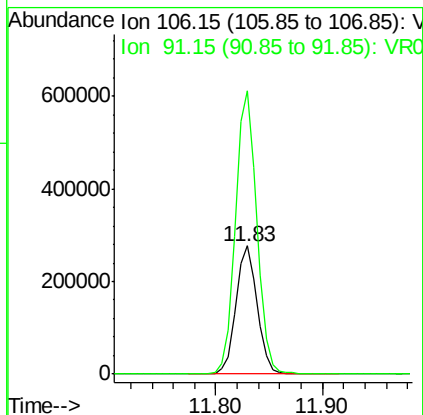
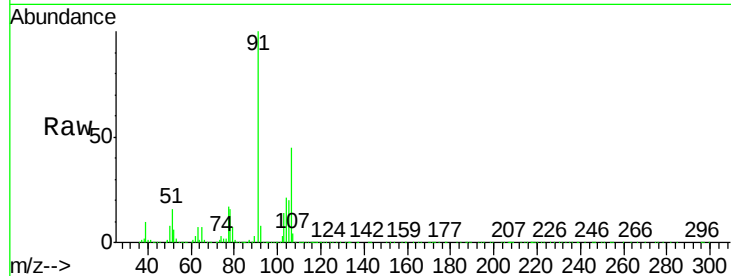




#54
o-Xylene
Concen: 5.160 ug/L
RT: 11.83 min Scan# 1726
Delta R.T. 0.00 min
Lab File: VR025359.D
Acq: 19 Jun 2018 11:04

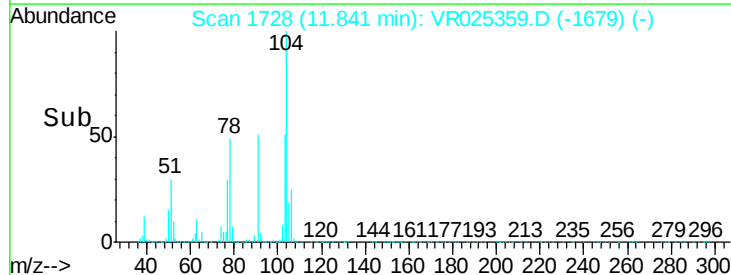
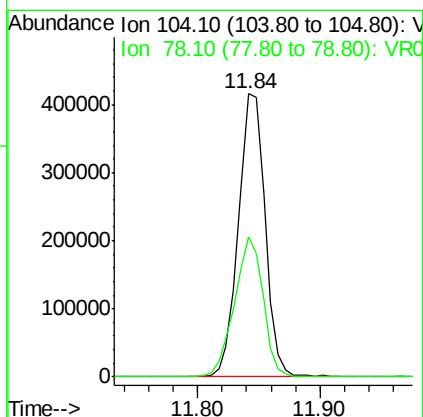
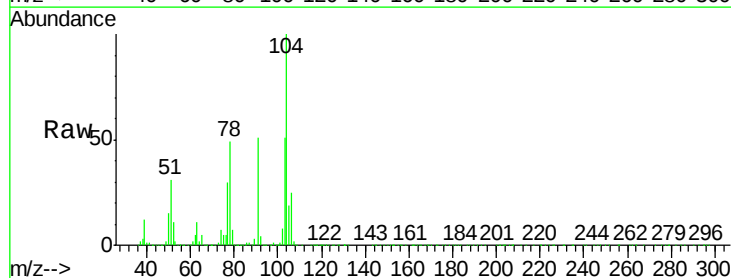
Instrument :
MSVOA_R
ClientSampleId :
VSTD00589

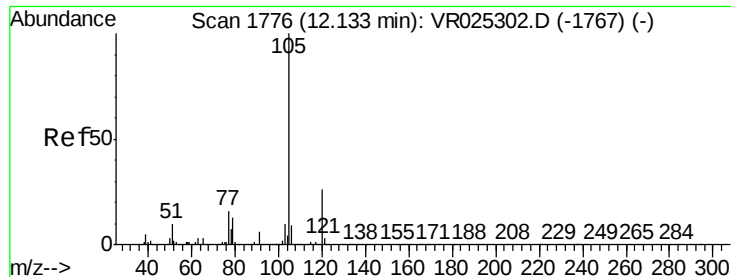
Tgt Ion:106 Resp: 386275
Ion Ratio Lower Upper
106 100
91 220.5 153.7 285.5



#55
Styrene
Concen: 5.468 ug/L
RT: 11.84 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VR025359.D
Acq: 19 Jun 2018 11:04

Tgt Ion:104 Resp: 629160
Ion Ratio Lower Upper
104 100
78 49.4 35.4 65.7





#56

Isopropylbenzene

Concen: 5.358 ug/L

RT: 12.13 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VR025359.D

Acq: 19 Jun 2018 11:04

Instrument :

MSVOA_R

ClientSampleId :

VSTD00589

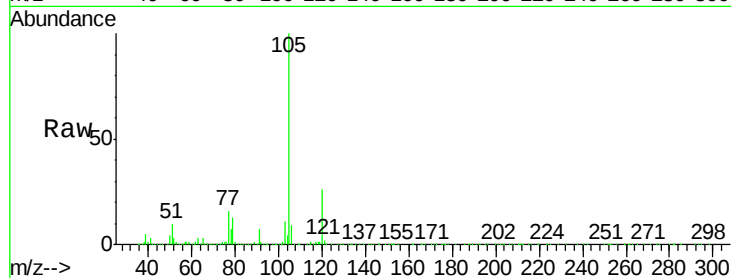
Tgt Ion: 105 Resp: 1078630

Ion Ratio Lower Upper

105 100

120 25.8 20.2 30.4

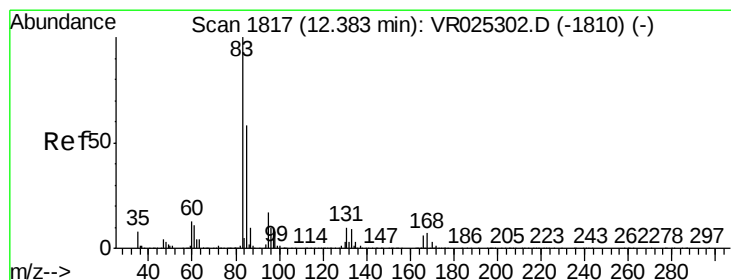
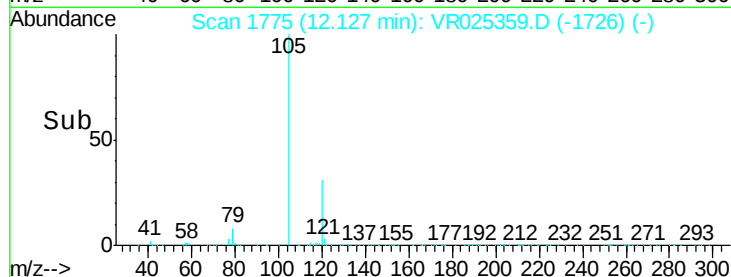
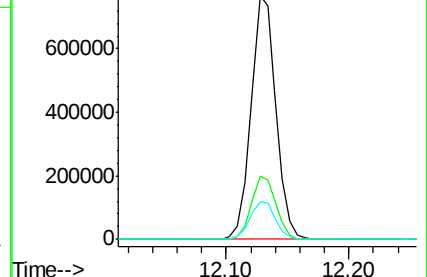
77 15.8 13.0 19.6



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: 5.643 ug/L

RT: 12.38 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VR025359.D

Acq: 19 Jun 2018 11:04

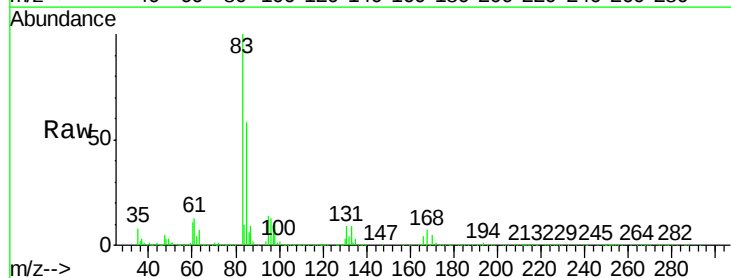
Tgt Ion: 83 Resp: 111320

Ion Ratio Lower Upper

83 100

85 58.4 41.8 77.6

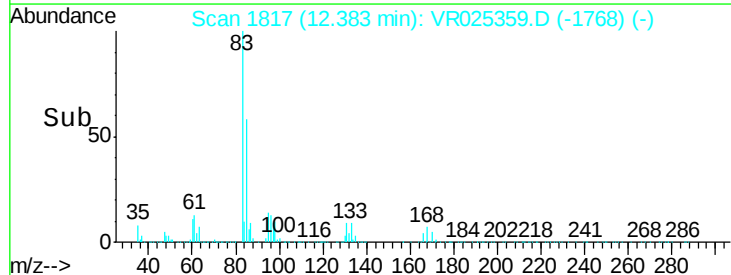
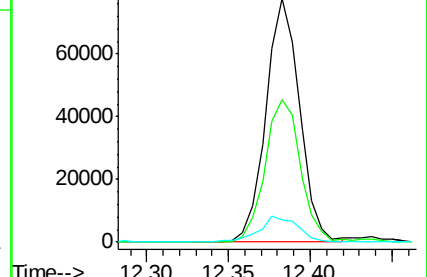
131 9.3 6.1 9.1#

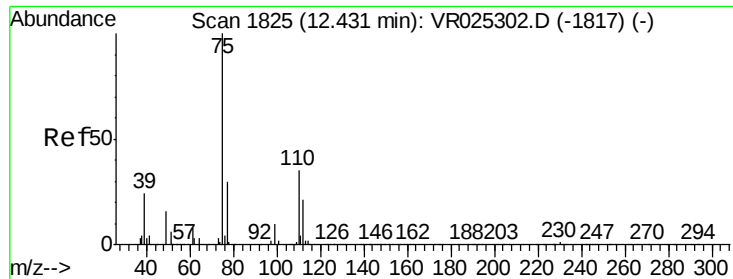


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.304 ug/L

RT: 12.43 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VR025359.D

Acq: 19 Jun 2018 11:04

Instrument :

MSVOA_R

ClientSampled :

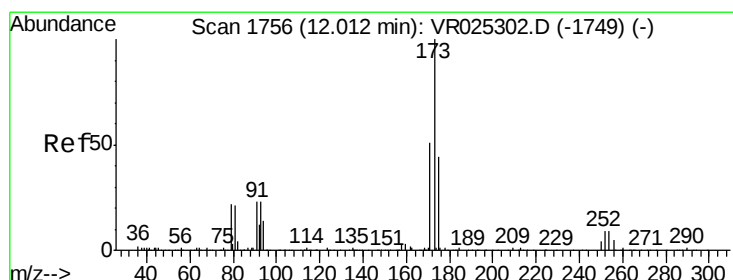
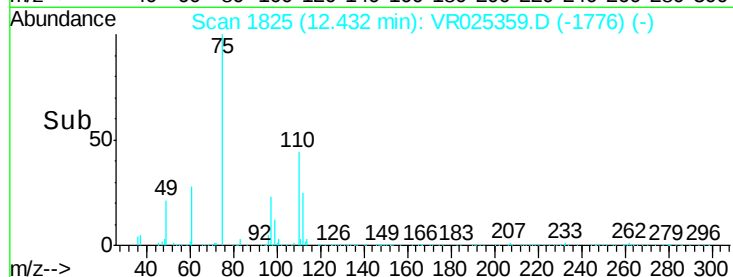
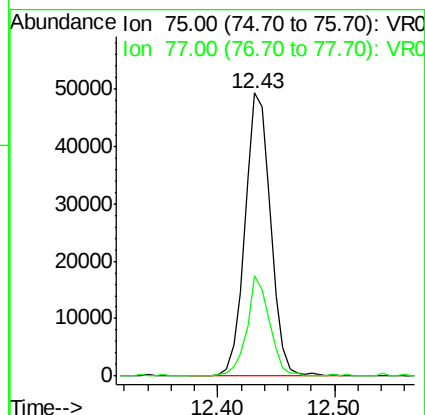
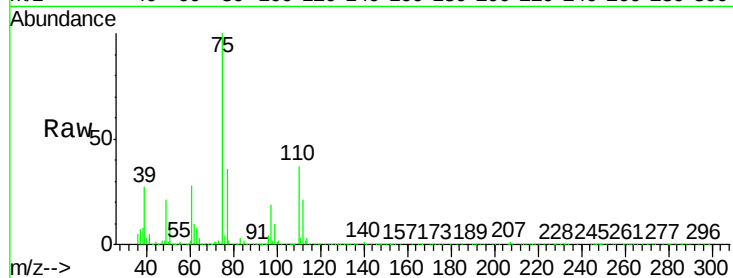
VSTD00589

Tgt Ion: 75 Resp: 75507

Ion Ratio Lower Upper

75 100

77 31.6 27.0 40.4



#61

Bromoform

Concen: 4.011 ug/L

RT: 12.01 min Scan# 1755

Delta R.T. -0.01 min

Lab File: VR025359.D

Acq: 19 Jun 2018 11:04

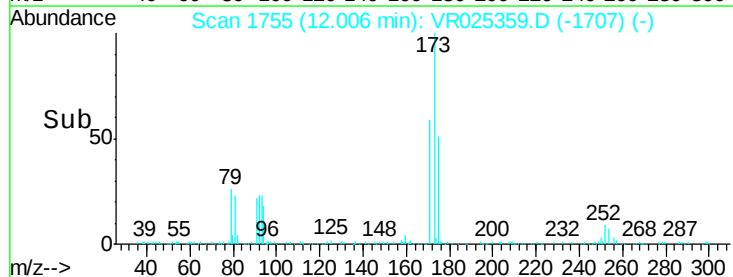
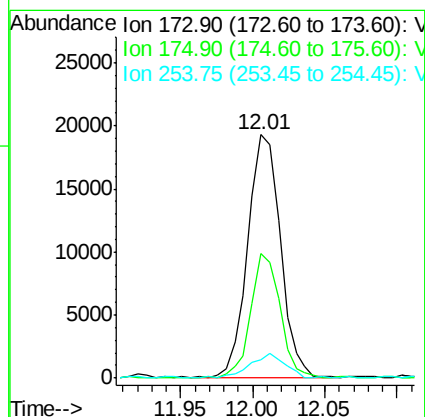
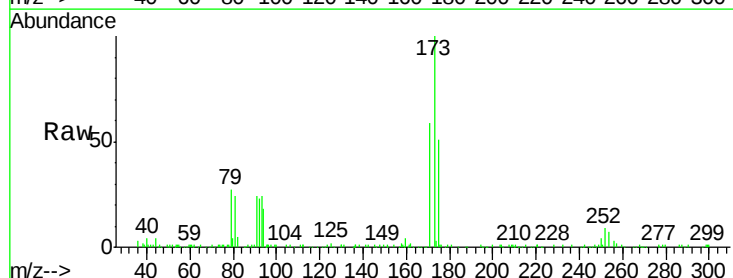
Tgt Ion: 173 Resp: 30438

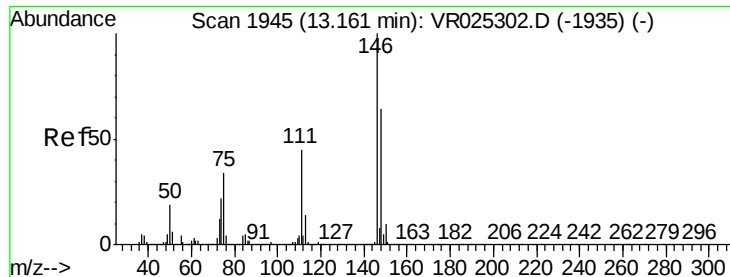
Ion Ratio Lower Upper

173 100

175 46.1 37.5 56.3

254 10.6 8.7 13.1

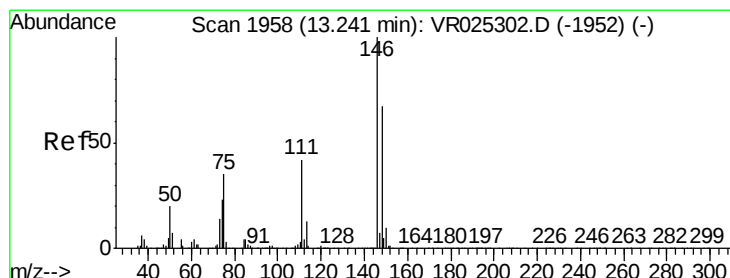
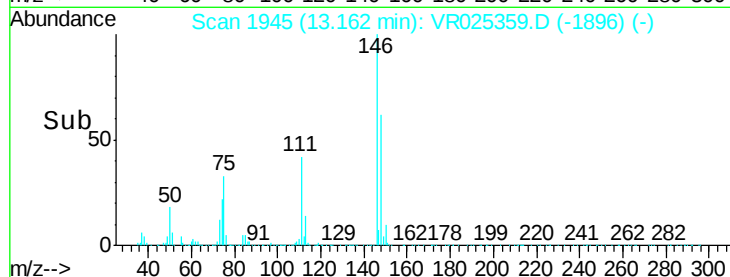
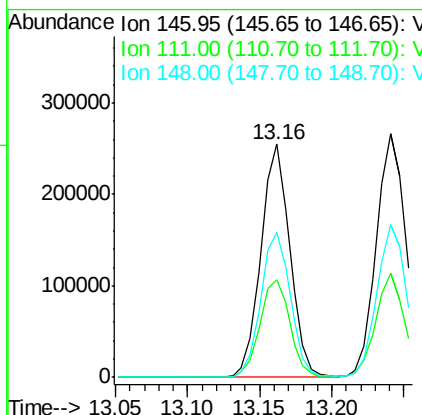
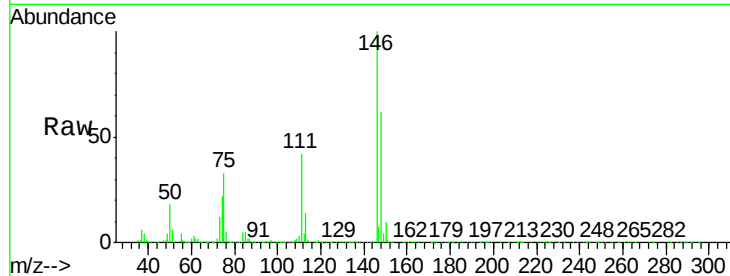




#62
 1,3-Dichlorobenzene
 Concen: 4.721 ug/L
 RT: 13.16 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VR025359.D
 Acq: 19 Jun 2018 11:04

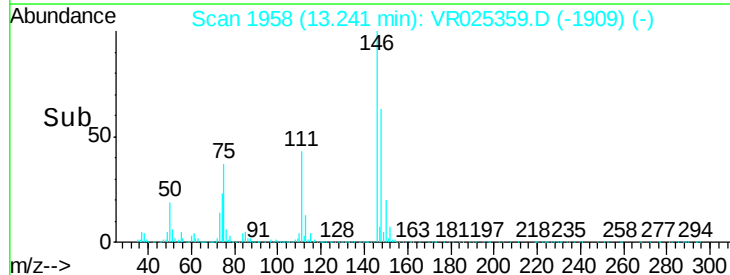
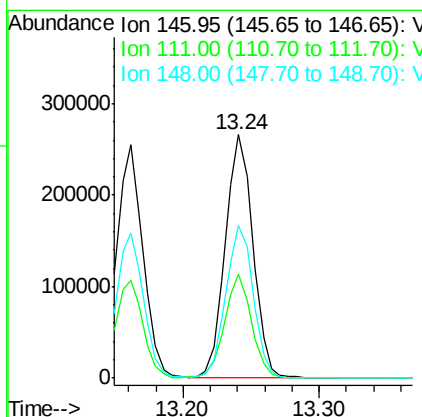
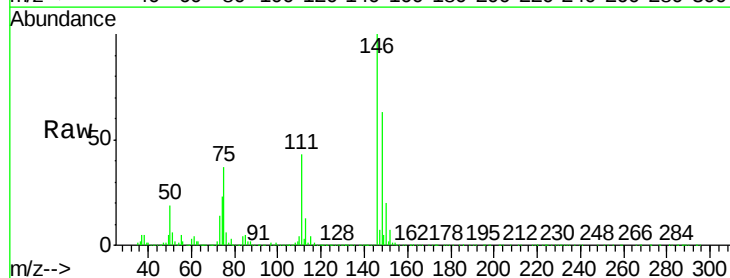
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00589

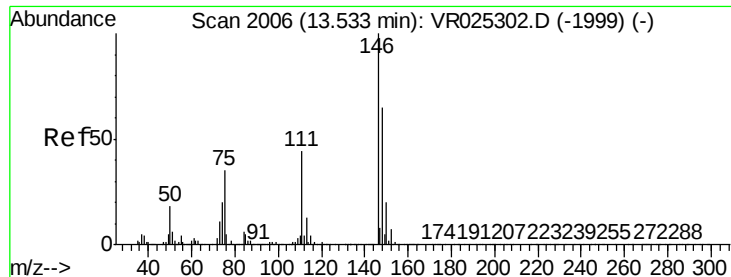
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	31.0	57.6
148	62.4	44.8	83.2



#63
 1,4-Dichlorobenzene
 Concen: 5.030 ug/L
 RT: 13.24 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VR025359.D
 Acq: 19 Jun 2018 11:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	30.5	56.7
148	62.9	42.8	79.4

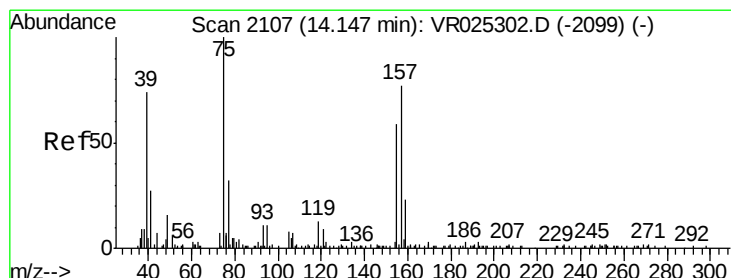
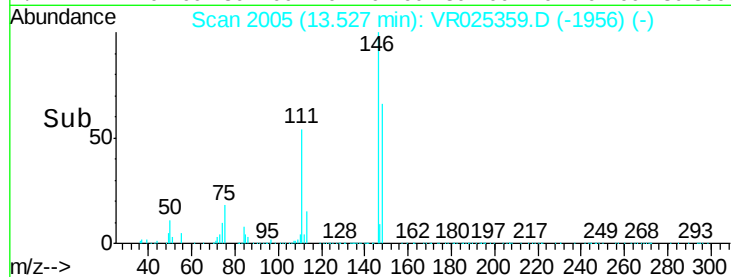
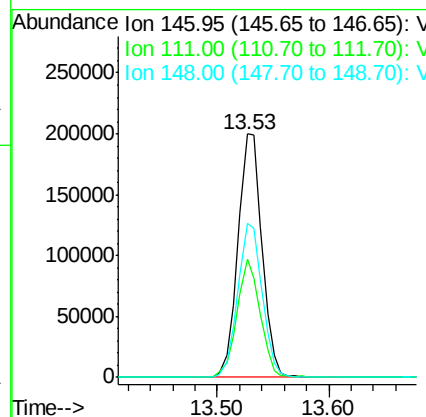
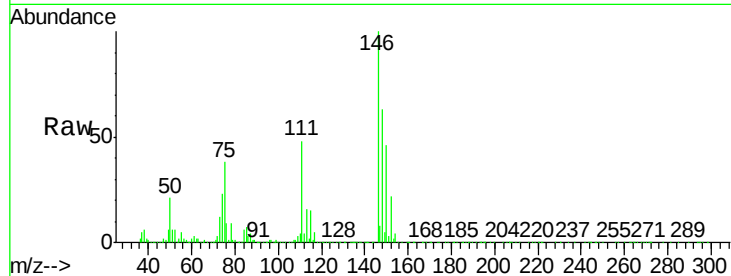




#65
 1,2-Dichlorobenzene
 Concen: 4.994 ug/L
 RT: 13.53 min Scan# 2005
 Delta R.T. 0.00 min
 Lab File: VR025359.D
 Acq: 19 Jun 2018 11:04

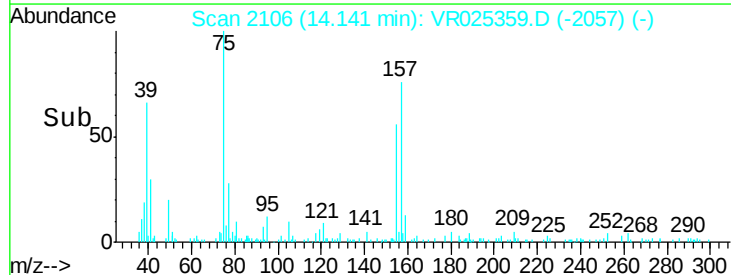
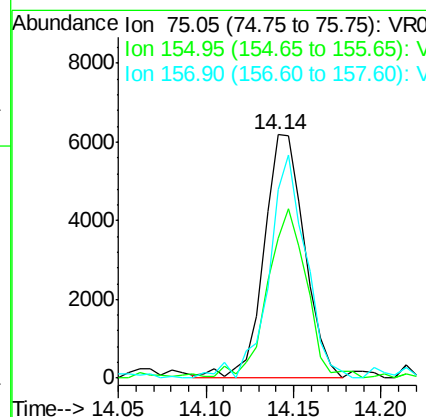
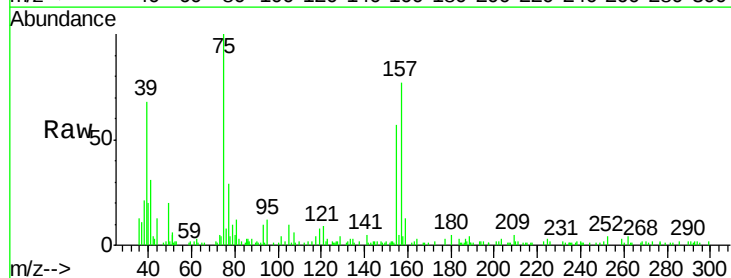
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00589

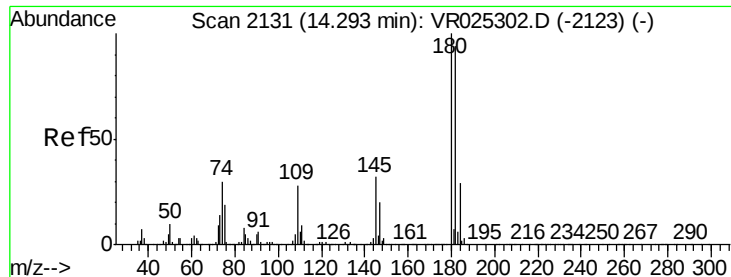
Tgt Ion: 146 Resp: 298818
 Ion Ratio Lower Upper
 146 100
 111 48.3 35.8 53.8
 148 63.4 50.4 75.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.243 ug/L
 RT: 14.14 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VR025359.D
 Acq: 19 Jun 2018 11:04

Tgt Ion: 75 Resp: 10032
 Ion Ratio Lower Upper
 75 100
 155 57.5 74.1 111.1#
 157 77.2 71.0 106.6

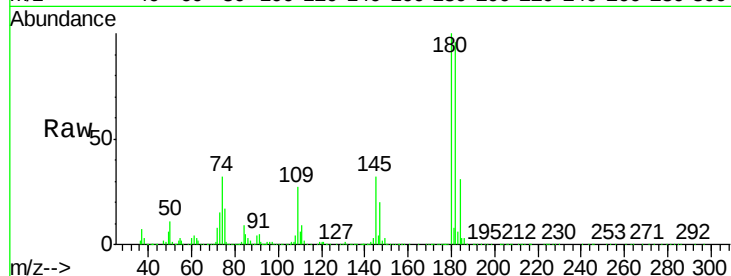




#67
 1,3,5-Trichlorobenzene
 Concen: 4.996 ug/L
 RT: 14.29 min Scan# 2131
 Delta R.T. 0.00 min
 Lab File: VR025359.D
 Acq: 19 Jun 2018 11:04

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00589

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	76.0	114.0
184	30.4	24.5	36.7
145	32.7	25.2	37.8



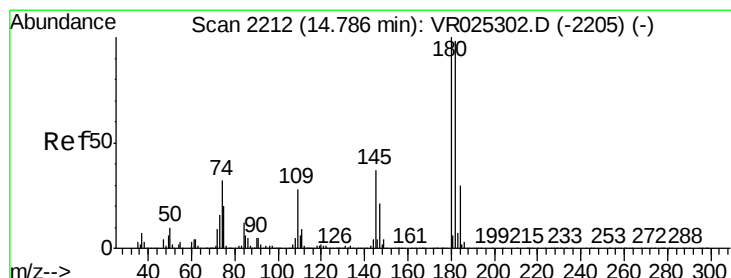
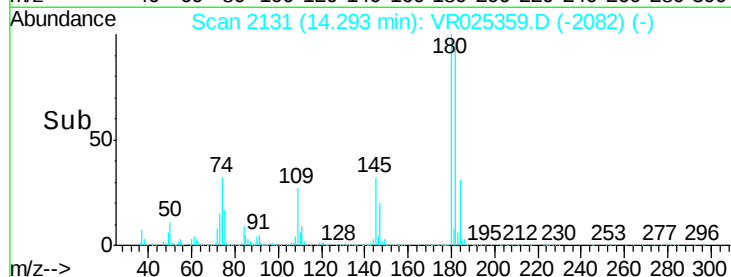
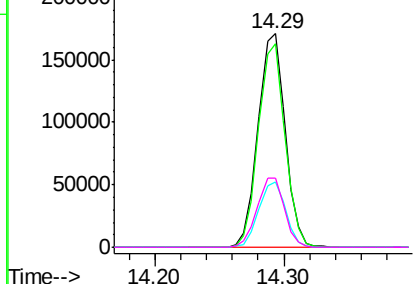
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

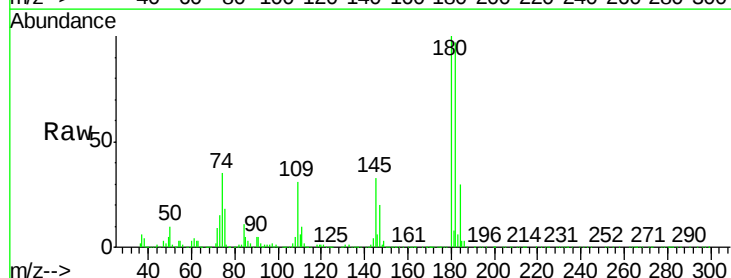
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.720 ug/L
 RT: 14.79 min Scan# 2212
 Delta R.T. 0.00 min
 Lab File: VR025359.D
 Acq: 19 Jun 2018 11:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.0	112.4
145	33.6	27.3	40.9

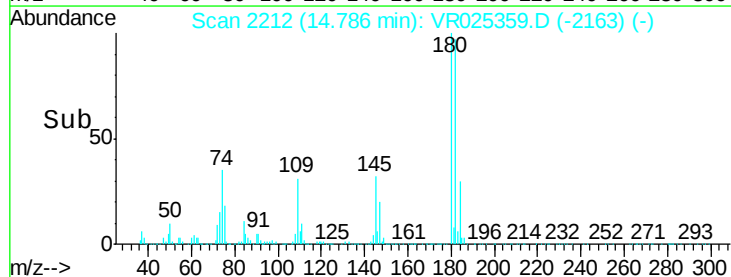
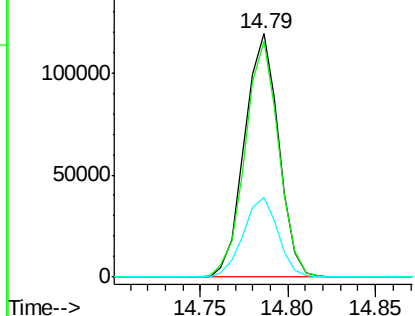


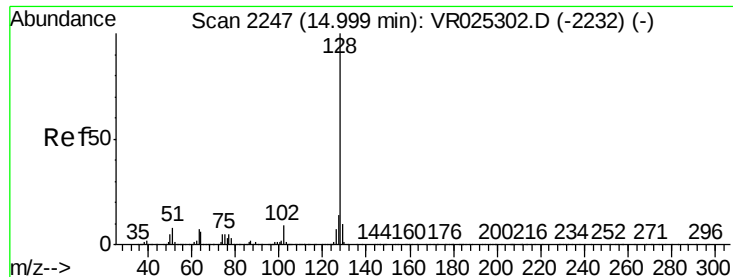
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.718 ug/L

RT: 15.00 min Scan# 2247

Delta R.T. -0.01 min

Lab File: VR025359.D

Acq: 19 Jun 2018 11:04

Instrument :

MSVOA_R

ClientSampleId :

VSTD00589

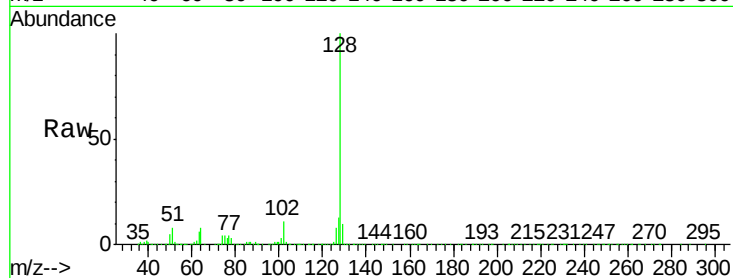
Tgt Ion:128 Resp: 211419

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.4

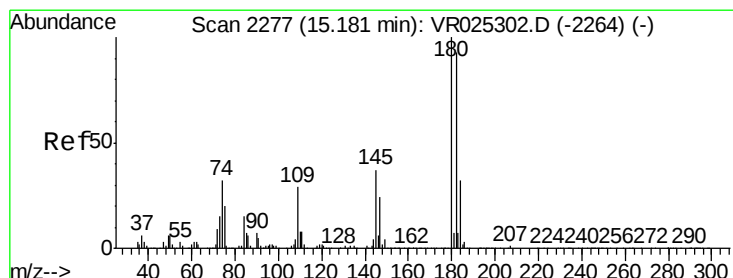
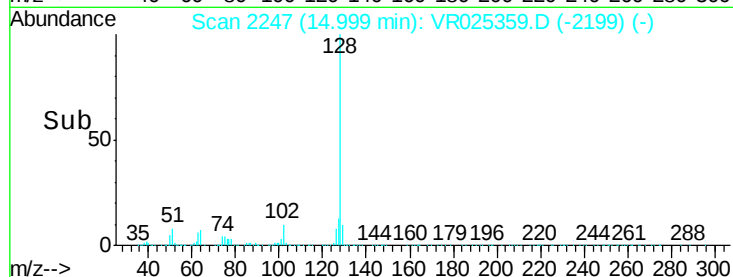
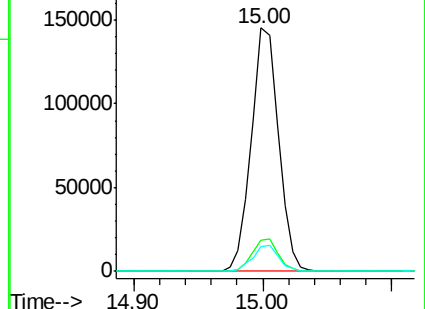
129 10.3 8.6 13.0



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: 5.030 ug/L

RT: 15.18 min Scan# 2277

Delta R.T. 0.00 min

Lab File: VR025359.D

Acq: 19 Jun 2018 11:04

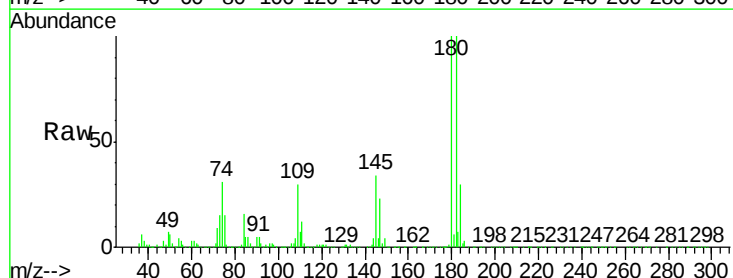
Tgt Ion:180 Resp: 134010

Ion Ratio Lower Upper

180 100

182 95.4 75.2 112.8

145 34.8 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

