

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR091218\
 Data File : VR025692.D
 Acq On : 12 Sep 2018 13:07
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00597

Quant Time: Sep 13 03:53:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR090718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Sep 10 01:09:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	637568	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	587855	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	262512	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	115144	4.15	ug/L	-0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.00%
7) Chloroethane-d5	2.62	69	100139	4.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.20%
11) 1,1-Dichloroethene-d2	3.63	63	357508	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.40%
20) 2-Butanone-d5	6.60	46	149245	53.34	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.68%
24) Chloroform-d	7.20	84	324887	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.40%
26) 1,2-Dichloroethane-d4	7.90	65	113912	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.00%
32) Benzene-d6	7.85	84	762168	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
36) 1,2-Dichloropropane-d6	8.90	67	207719	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.00%
41) Toluene-d8	9.97	98	769931	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
43) trans-1,3-Dichloropropene-	10.24	79	50605	4.79	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.80%
46) 2-Hexanone-d5	10.59	63	187172	59.23	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	118.46%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	102730	5.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.80%
64) 1,2-Dichlorobenzene-d4	13.51	152	176000	4.73	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	158988	4.89 ug/L	99
3) Chloromethane	2.01	50	164460	4.12 ug/L	94
5) Vinyl chloride	2.17	62	168291	4.24 ug/L	97
6) Bromomethane	2.52	94	131562	4.63 ug/L	89
8) Chloroethane	2.66	64	107415	4.61 ug/L	93
9) Trichlorofluoromethane	2.94	101	91604	1.25 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	202974	5.15 ug/L	95
12) 1,1-Dichloroethene	3.65	96	189537	4.56 ug/L	89
13) Acetone	3.70	43	113146	60.00 ug/L	98
14) Carbon disulfide	3.97	76	437625	4.46 ug/L #	94
15) Methyl Acetate	4.19	43	33940	5.05 ug/L	95
16) Methylene chloride	4.41	84	165022	4.48 ug/L	94
17) Methyl tert-butyl Ether	4.90	73	270774	5.29 ug/L	97
18) trans-1,2-Dichloroethene	4.88	96	251302	4.94 ug/L	94
19) 1,1-Dichloroethane	5.69	63	376567	4.80 ug/L	98
21) 2-Butanone	6.69	43	245427	61.67 ug/L	98
22) cis-1,2-Dichloroethene	6.68	96	230737	5.22 ug/L #	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR091218\
 Data File : VR025692.D
 Acq On : 12 Sep 2018 13:07
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

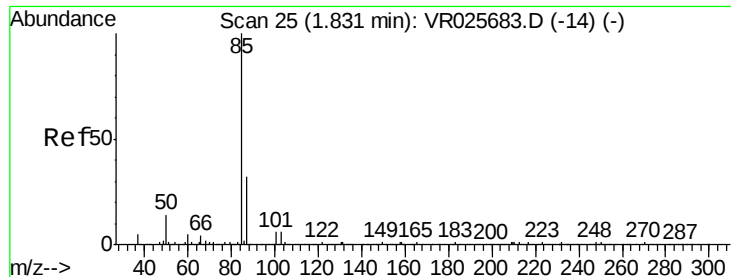
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00597

Quant Time: Sep 13 03:53:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR090718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Sep 10 01:09:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	7.04	128	75945	5.01	ug/L	89
25) Chloroform	7.23	83	353942	4.94	ug/L	94
27) 1,2-Dichloroethane	7.99	62	147774	5.23	ug/L #	91
29) 1,1,1-Trichloroethane	7.43	97	265657	4.54	ug/L	99
30) Cyclohexane	7.52	56	362241	5.15	ug/L	98
31) Carbon tetrachloride	7.63	117	265350	4.67	ug/L	100
33) Benzene	7.91	78	1021889	4.88	ug/L	100
34) Trichloroethene	8.71	95	227000	4.47	ug/L	98
35) Methylcyclohexane	8.95	83	416633	5.32	ug/L	99
37) 1,2-Dichloropropane	9.00	63	234759	4.97	ug/L	98
38) Bromodichloromethane	9.28	83	204616	4.83	ug/L	95
39) cis-1,3-Dichloropropene	9.72	75	240286	4.98	ug/L	99
40) 4-Methyl-2-pentanone	9.87	43	690980	59.20	ug/L	99
42) Toluene	10.04	91	1110307	5.18	ug/L	99
44) trans-1,3-Dichloropropene	10.26	75	170555	5.02	ug/L	96
45) 1,1,2-Trichloroethane	10.45	97	106276	4.81	ug/L	95
47) Tetrachloroethene	10.51	164	200152	4.82	ug/L	98
48) 2-Hexanone	10.63	43	478826	58.50	ug/L	98
49) Dibromochloromethane	10.79	129	121382	5.15	ug/L	100
50) 1,2-Dibromoethane	10.89	107	84812	4.83	ug/L #	93
51) Chlorobenzene	11.32	112	666524	4.95	ug/L	99
52) Ethylbenzene	11.39	91	1199903	5.19	ug/L	98
53) m,p-Xylene	11.50	106	484855	5.22	ug/L	97
54) o-Xylene	11.83	106	435095	5.31	ug/L	98
55) Styrene	11.84	104	723583	5.49	ug/L	100
56) Isopropylbenzene	12.13	105	1148532	5.63	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.39	83	110293	5.12	ug/L	97
59) 1,2,3-Trichloropropane	12.43	75	72508	5.00	ug/L	93
61) Bromoform	12.01	173	52677	4.69	ug/L	93
62) 1,3-Dichlorobenzene	13.16	146	358431	4.37	ug/L	95
63) 1,4-Dichlorobenzene	13.24	146	431365	4.63	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	342485	4.84	ug/L	92
66) 1,2-Dibromo-3-chloropropan	14.14	75	7888	3.79	ug/L #	80
67) 1,3,5-Trichlorobenzene	14.29	180	240305	4.93	ug/L	97
68) 1,2,4-trichlorobenzene	14.78	180	144046	4.82	ug/L	97
69) Naphthalene	15.00	128	152452	4.56	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	122635	5.18	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 4.89 ug/L

RT: 1.83 min Scan# 25

Delta R.T. 0.00 min

Lab File: VR025692.D

Acq: 12 Sep 2018 13:07

Instrument :

MSVOA_R

ClientSampleId :

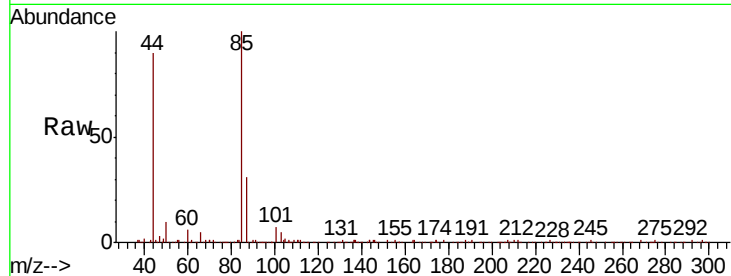
VSTD00597

Tot Ion: 85 Resp: 158988

Ion Ratio Lower Upper

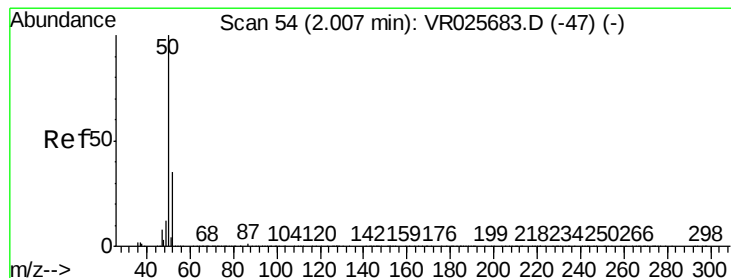
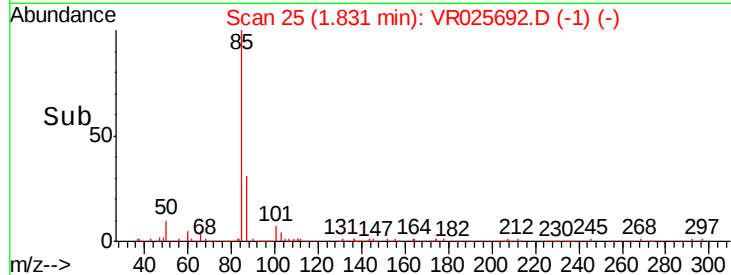
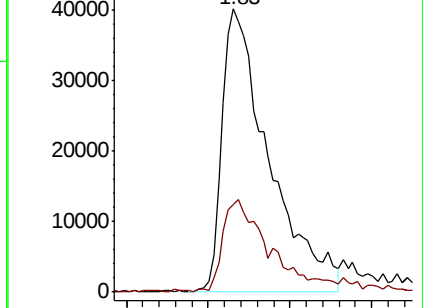
85 100

87 31.3 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0



#3

Chloromethane

Concen: 4.12 ug/L

RT: 2.01 min Scan# 55

Delta R.T. 0.01 min

Lab File: VR025692.D

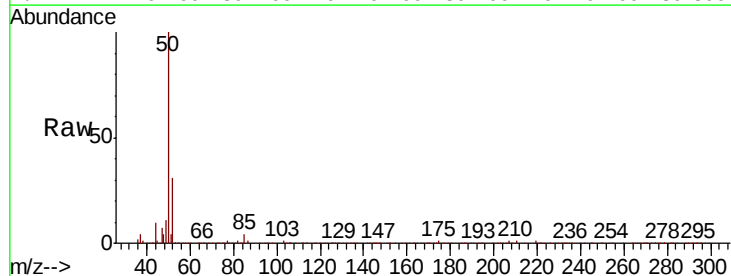
Acq: 12 Sep 2018 13:07

Tgt Ion: 50 Resp: 164460

Ion Ratio Lower Upper

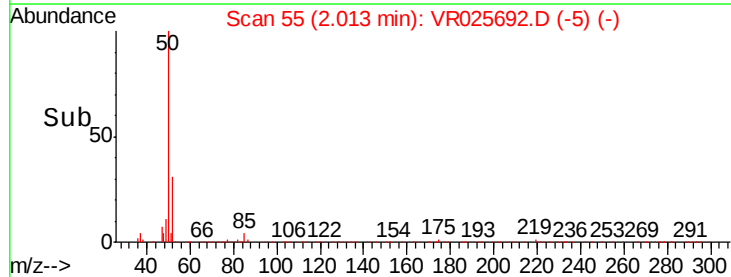
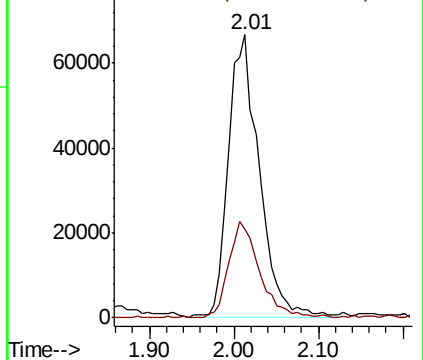
50 100

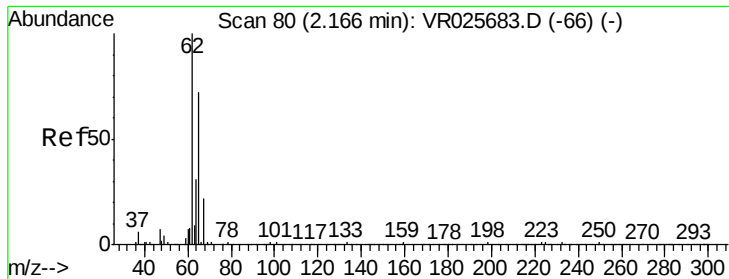
52 31.6 24.6 45.8



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 4.24 ug/L

RT: 2.17 min Scan# 81

Delta R.T. 0.01 min

Lab File: VR025692.D

Acq: 12 Sep 2018 13:07

Instrument :

MSVOA_R

ClientSampleId :

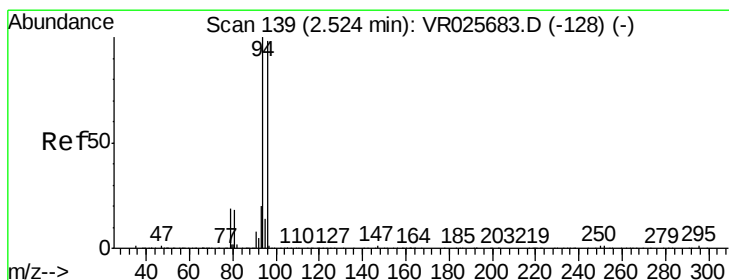
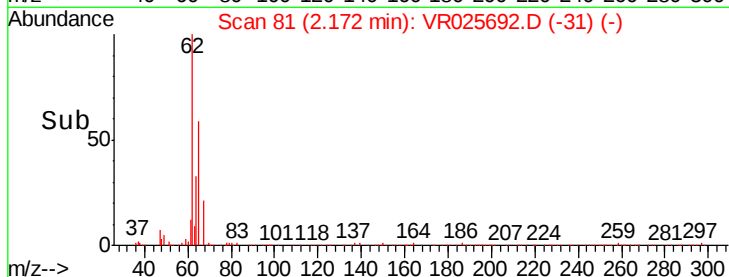
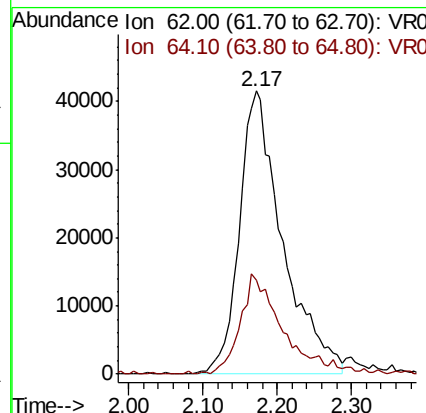
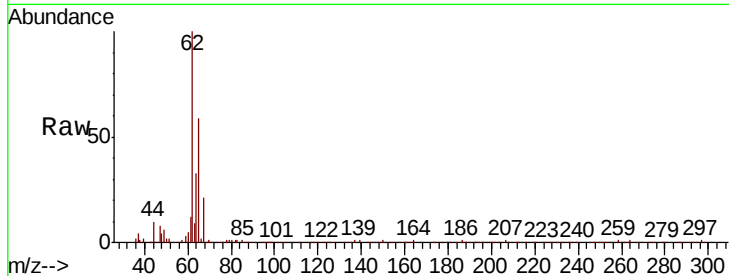
VSTD00597

Tot Ion: 62 Resp: 168291

Ion Ratio Lower Upper

62 100

64 33.0 22.0 40.8



#6

Bromomethane

Concen: 4.63 ug/L

RT: 2.52 min Scan# 138

Delta R.T. -0.01 min

Lab File: VR025692.D

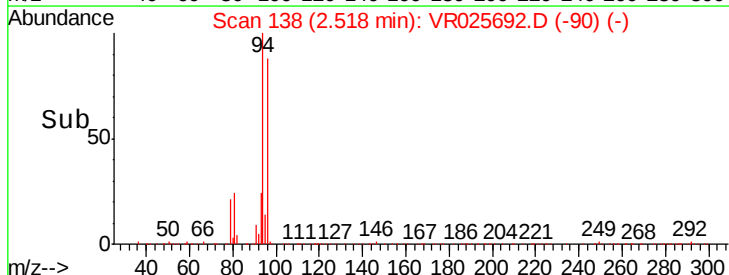
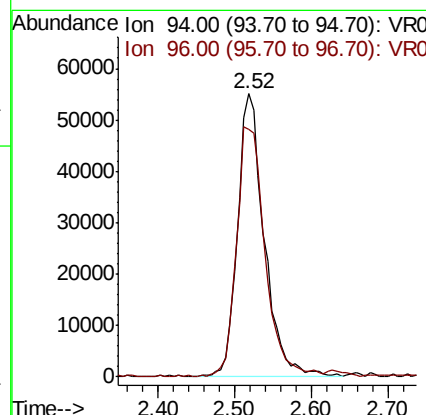
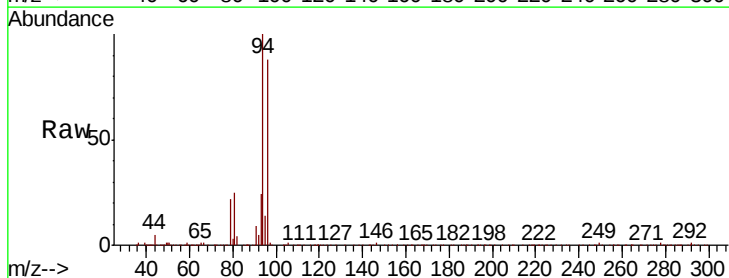
Acq: 12 Sep 2018 13:07

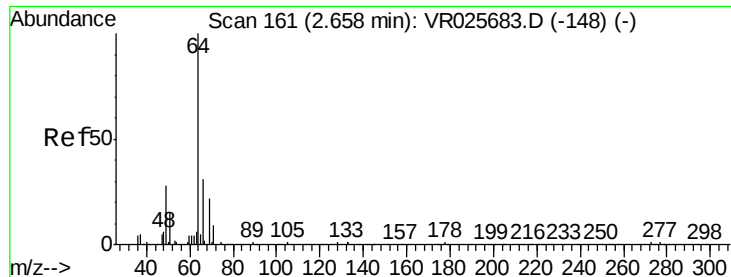
Tgt Ion: 94 Resp: 131562

Ion Ratio Lower Upper

94 100

96 87.6 68.9 127.9

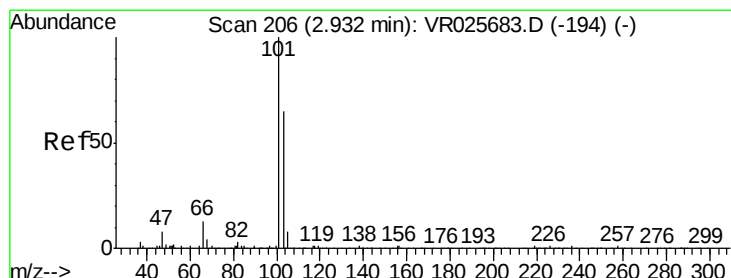
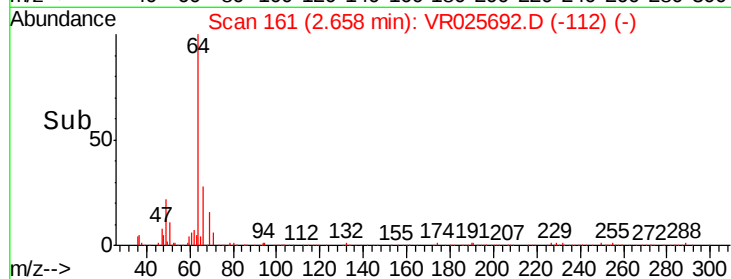
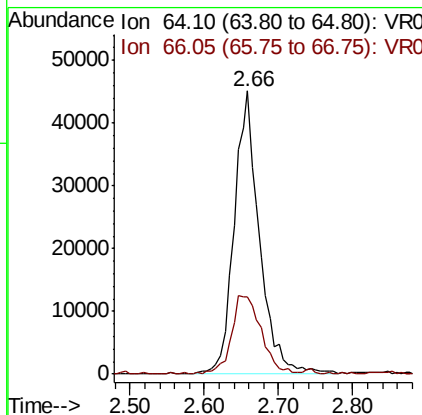
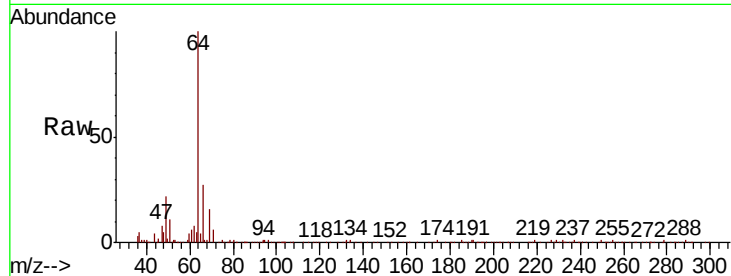




#8
Chloroethane
Concen: 4.61 ug/L
RT: 2.66 min Scan# 161
Delta R.T. -0.00 min
Lab File: VR025692.D
Acq: 12 Sep 2018 13:07

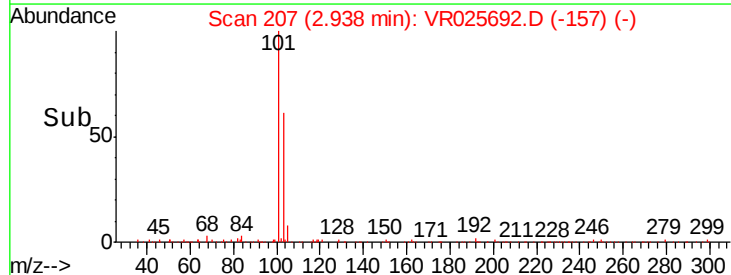
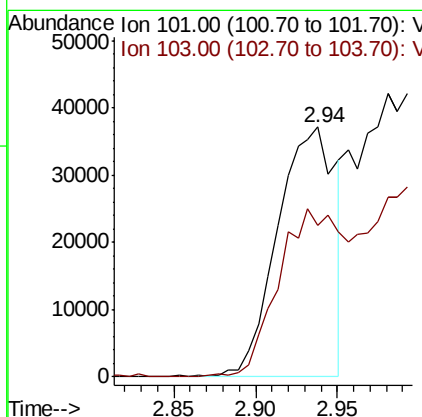
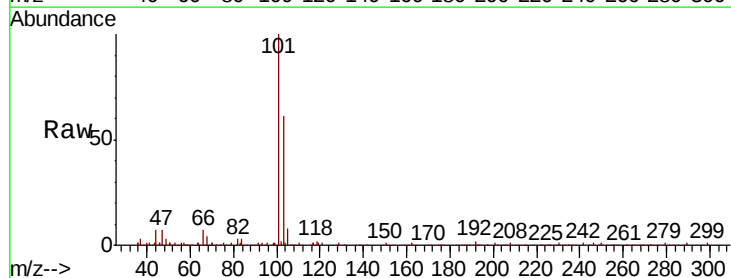
Instrument :
MSVOA_R
ClientSampleId :
VSTD00597

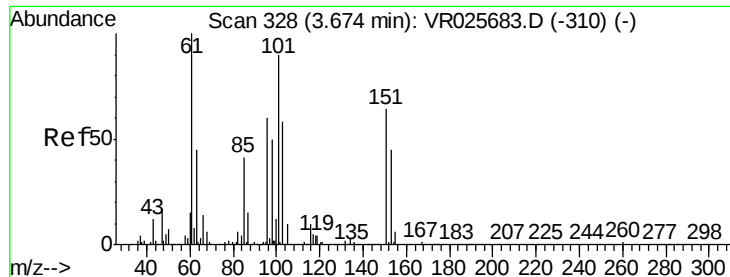
Tot Ion: 64 Resp: 107415
Ion Ratio Lower Upper
64 100
66 27.4 21.8 40.6



#9
Trichlorofluoromethane
Concen: 1.25 ug/L
RT: 2.94 min Scan# 207
Delta R.T. 0.01 min
Lab File: VR025692.D
Acq: 12 Sep 2018 13:07

Tgt Ion:101 Resp: 91604
Ion Ratio Lower Upper
101 100
103 75.2 13.2 19.8#





#10

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

Concen: 5.15 ug/L

RT: 3.68 min Scan# 329

Delta R.T. 0.01 min

Lab File: VR025692.D

Acq: 12 Sep 2018 13:07

Instrument :

MSVOA_R

ClientSampleId :

VSTD00597

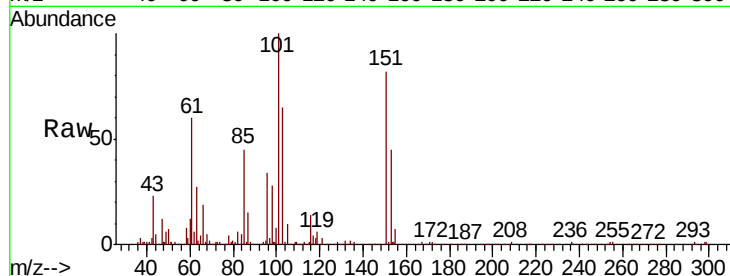
Tot Ion:101 Resp: 202974

Ion Ratio Lower Upper

101 100

85 48.1 38.1 57.1

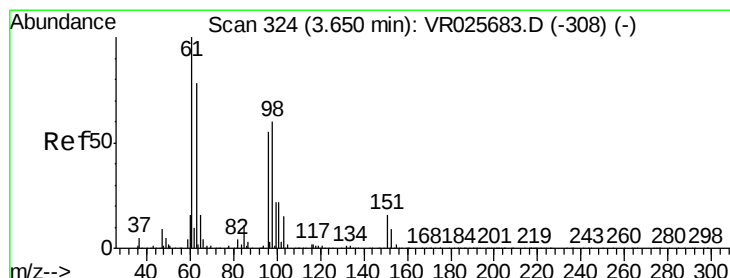
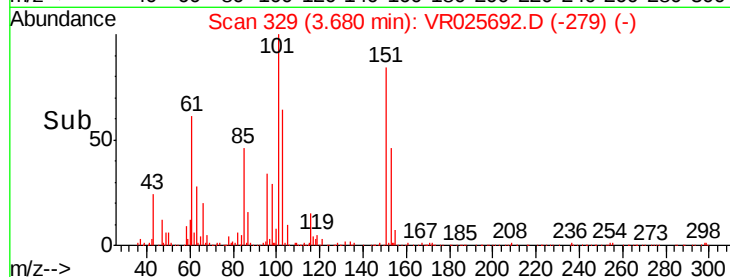
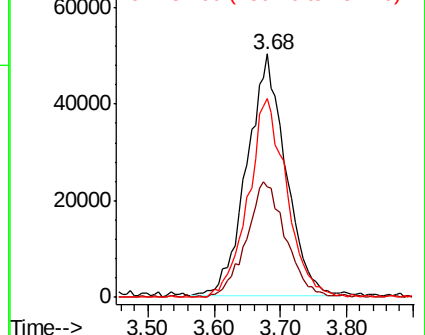
151 81.9 60.3 90.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VR0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.56 ug/L

RT: 3.65 min Scan# 324

Delta R.T. 0.00 min

Lab File: VR025692.D

Acq: 12 Sep 2018 13:07

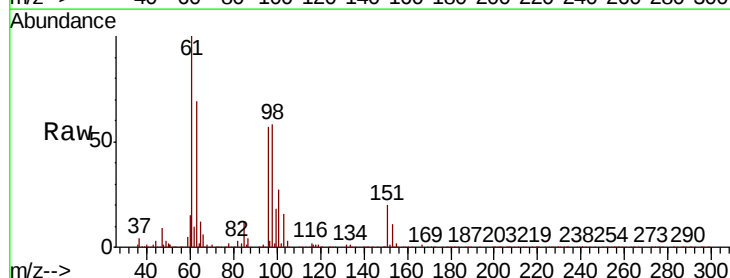
Tgt Ion: 96 Resp: 189537

Ion Ratio Lower Upper

96 100

61 176.2 128.4 238.4

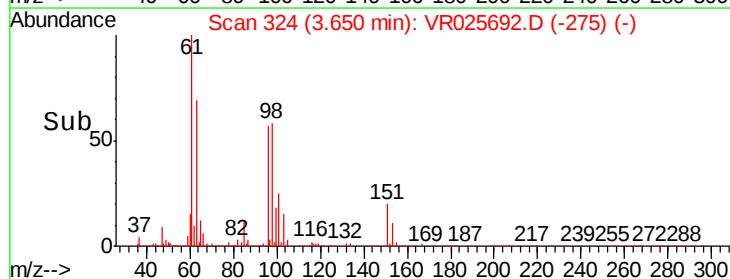
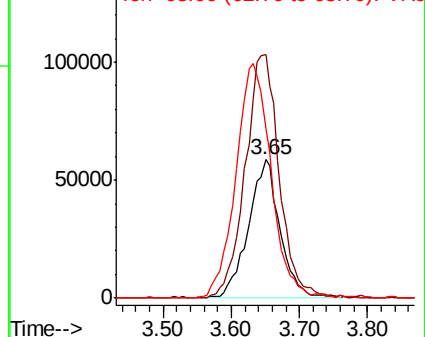
63 122.1 101.1 187.7

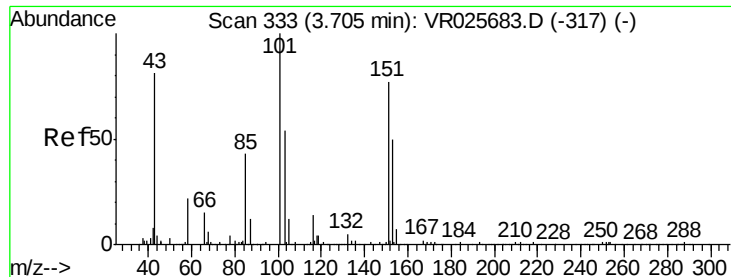


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 60.00 ug/L

RT: 3.70 min Scan# 333

Delta R.T. 0.00 min

Lab File: VR025692.D

Acq: 12 Sep 2018 13:07

Instrument :

MSVOA_R

ClientSampleId :

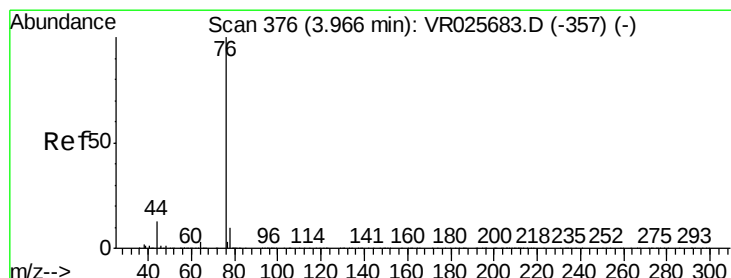
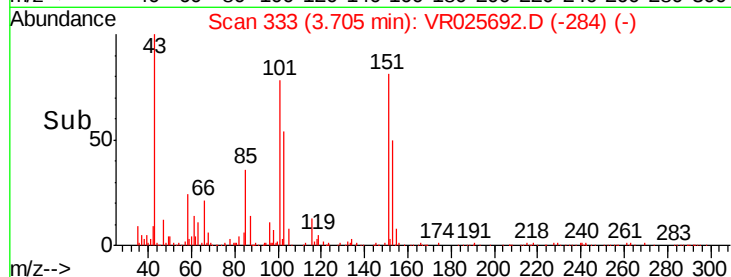
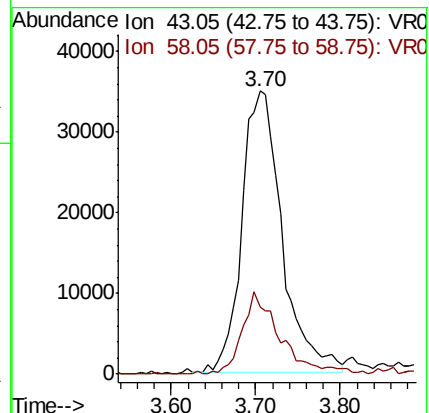
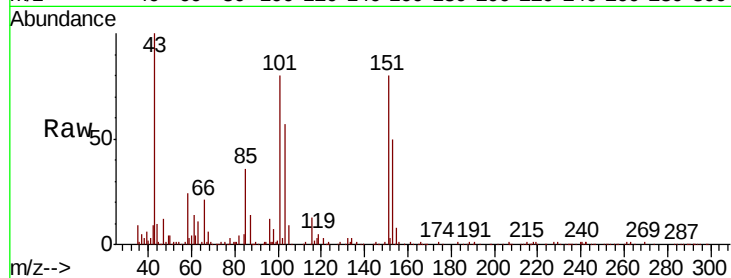
VSTD00597

Tot Ion: 43 Resp: 113146

Ion Ratio Lower Upper

43 100

58 26.0 0.0 53.6



#14

Carbon disulfide

Concen: 4.46 ug/L

RT: 3.97 min Scan# 377

Delta R.T. 0.01 min

Lab File: VR025692.D

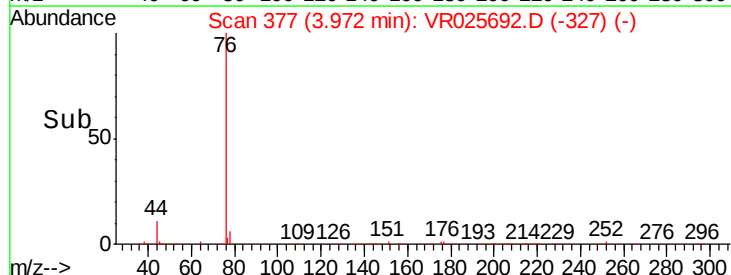
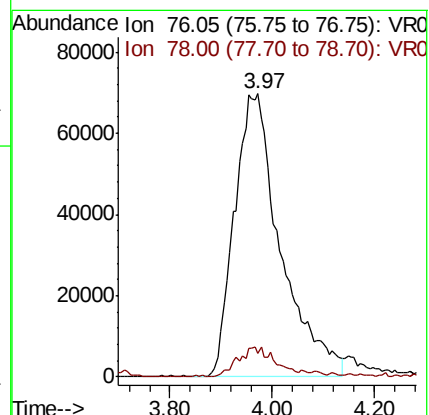
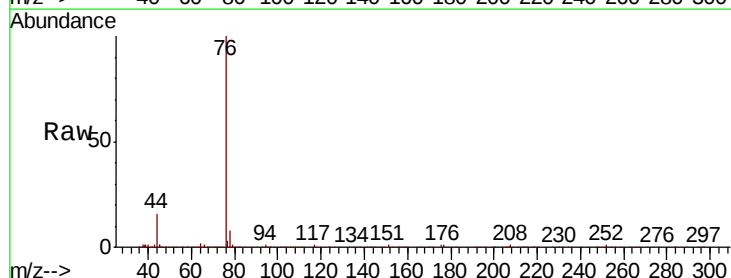
Acq: 12 Sep 2018 13:07

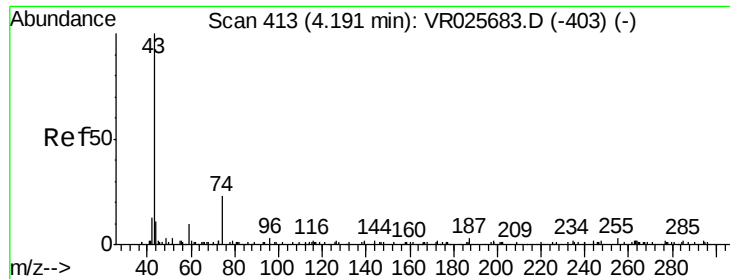
Tgt Ion: 76 Resp: 437625

Ion Ratio Lower Upper

76 100

78 8.3 8.6 12.8#

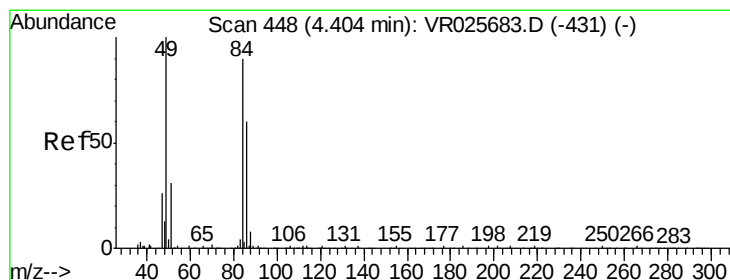
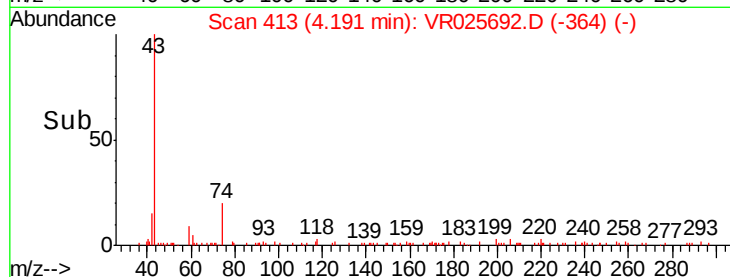
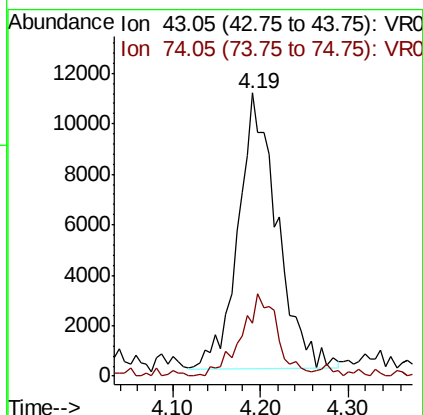
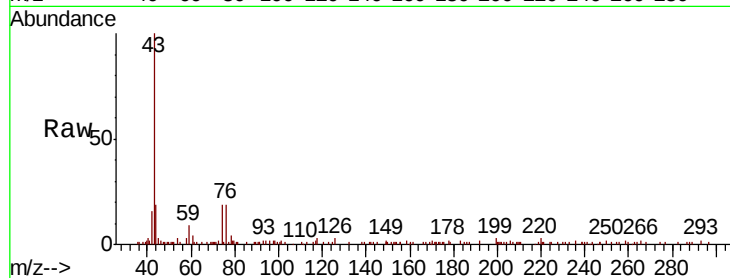




#15
Methyl Acetate
Concen: 5.05 ug/L
RT: 4.19 min Scan# 413
Delta R.T. 0.00 min
Lab File: VR025692.D
Acq: 12 Sep 2018 13:07

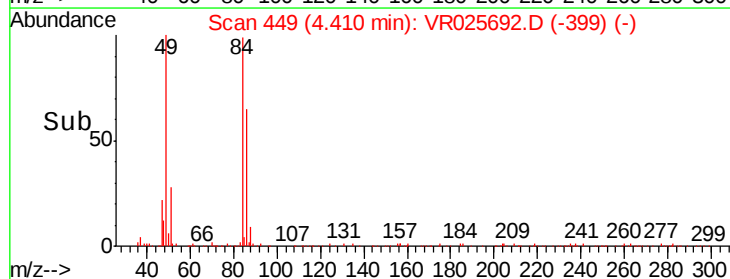
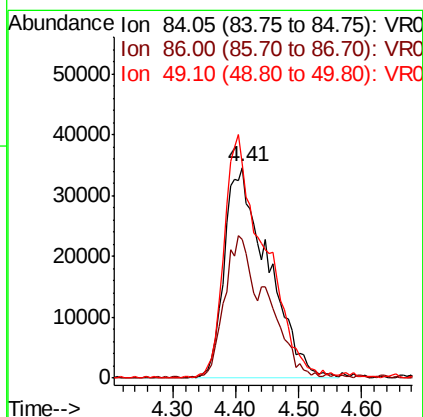
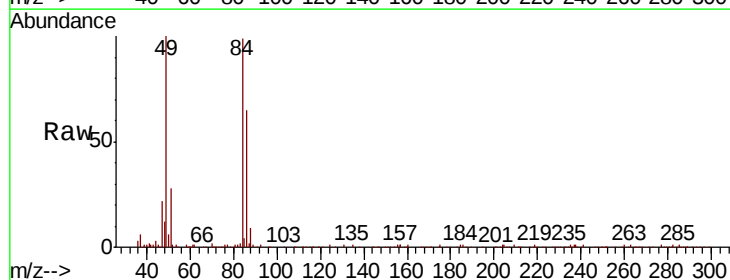
Instrument :
MSVOA_R
ClientSampleId :
VSTD00597

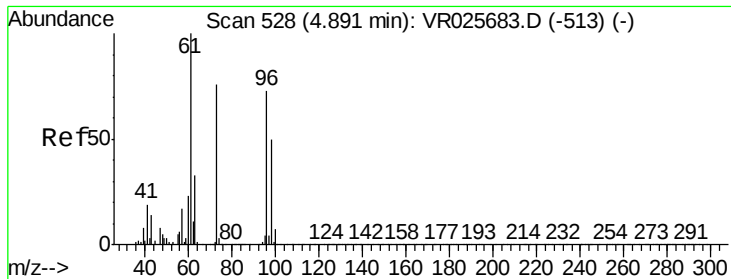
Tot Ion: 43 Resp: 33940
Ion Ratio Lower Upper
43 100
74 27.3 24.2 36.4



#16
Methylene chloride
Concen: 4.48 ug/L
RT: 4.41 min Scan# 449
Delta R.T. 0.01 min
Lab File: VR025692.D
Acq: 12 Sep 2018 13:07

Tgt Ion: 84 Resp: 165022
Ion Ratio Lower Upper
84 100
86 65.6 46.5 86.3
49 101.4 77.4 143.8

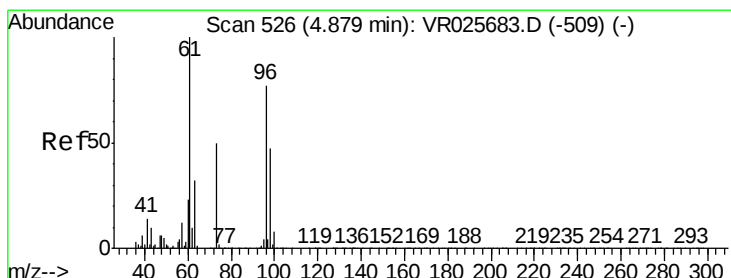
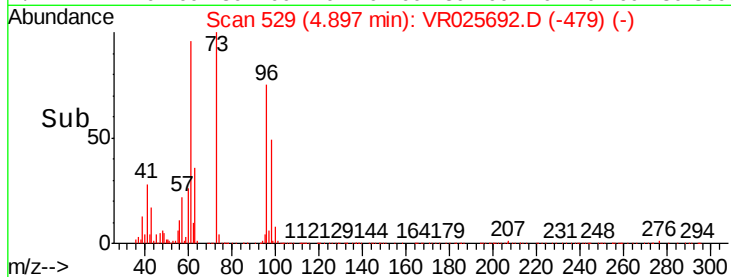
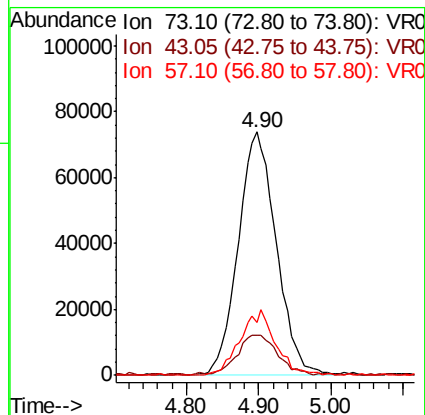
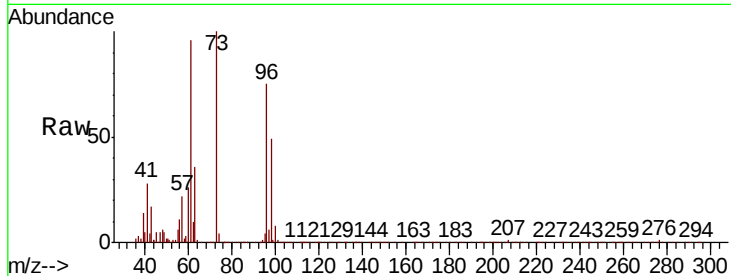




#17
Methvl tert-butvl Ether
Concen: 5.29 ug/L
RT: 4.90 min Scan# 529
Delta R.T. 0.01 min
Lab File: VR025692.D
Acq: 12 Sep 2018 13:07

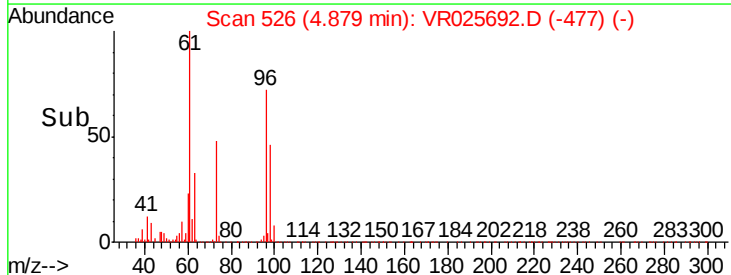
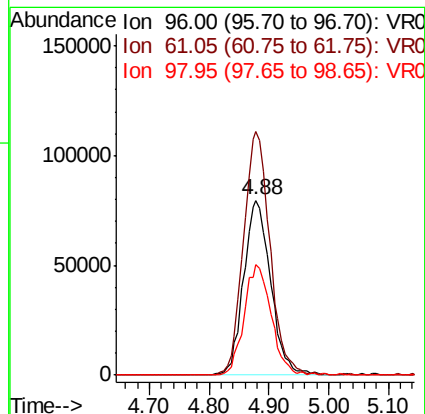
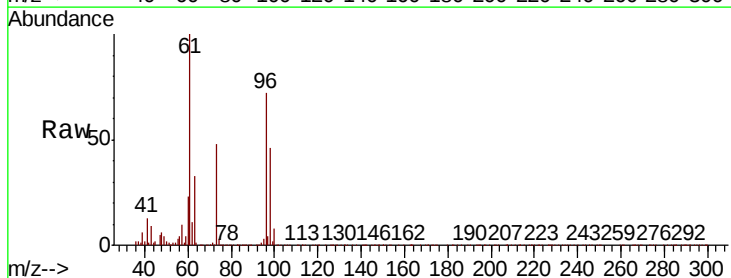
Instrument :
MSVOA_R
ClientSampleId :
VSTD00597

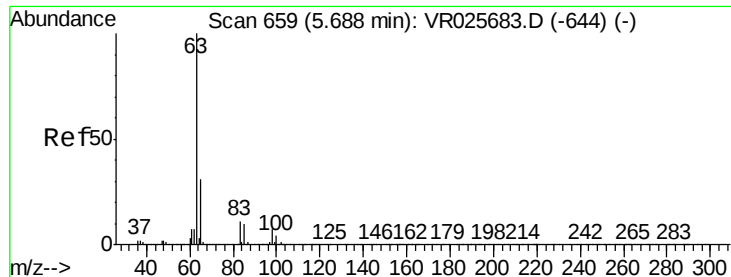
Tot Ion: 73 Resp: 270774
Ion Ratio Lower Upper
73 100
43 16.8 15.1 22.7
57 25.0 19.5 29.3



#18
trans-1,2-Dichloroethene
Concen: 4.94 ug/L
RT: 4.88 min Scan# 526
Delta R.T. 0.00 min
Lab File: VR025692.D
Acq: 12 Sep 2018 13:07

Tgt Ion: 96 Resp: 251302
Ion Ratio Lower Upper
96 100
61 139.2 91.3 169.6
98 63.6 43.2 80.2

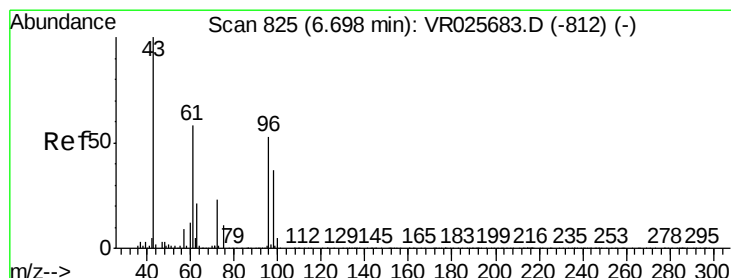
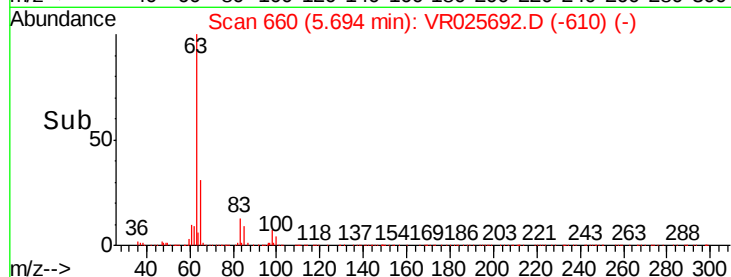
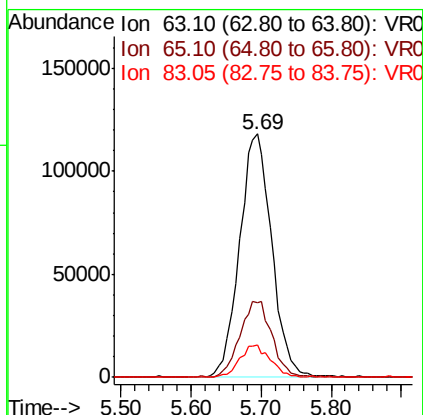
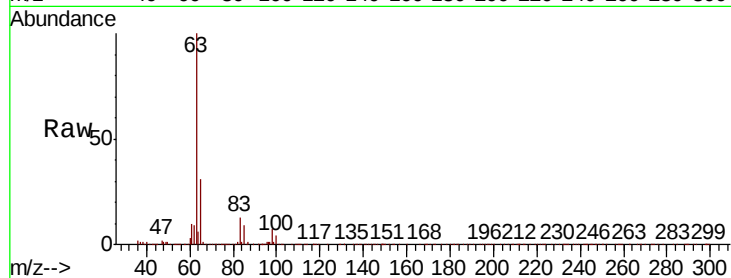




#19
 1,1-Dichloroethane
 Concen: 4.80 ug/L
 RT: 5.69 min Scan# 660
 Delta R.T. 0.01 min
 Lab File: VR025692.D
 Acq: 12 Sep 2018 13:07

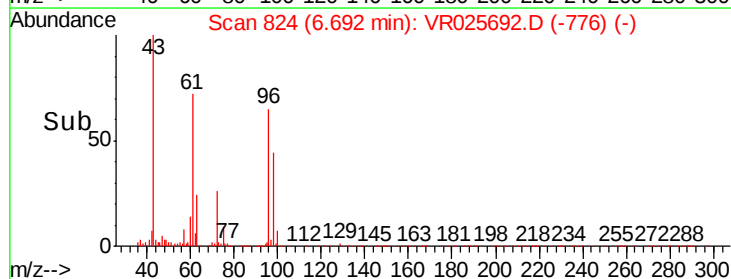
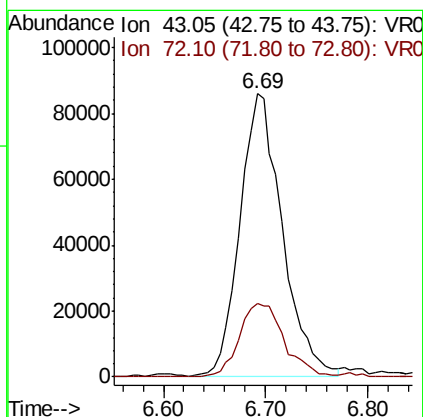
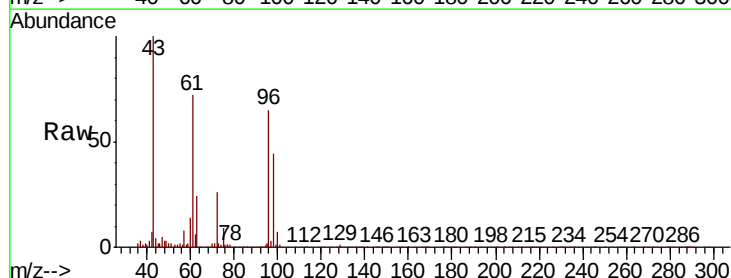
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00597

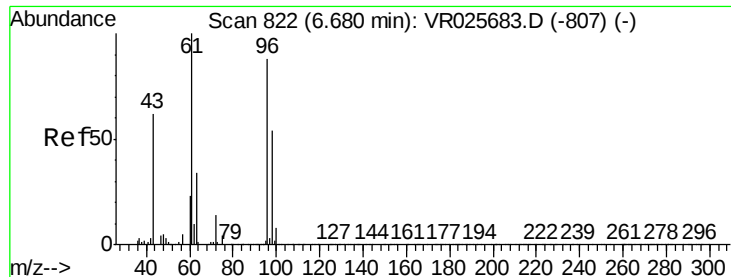
Tot Ion:	63	Resp:	376567
Ion	Ratio	Lower	Upper
63	100		
65	30.6	21.9	40.7
83	13.1	7.6	14.2



#21
 2-Butanone
 Concen: 61.67 ug/L
 RT: 6.69 min Scan# 824
 Delta R.T. -0.01 min
 Lab File: VR025692.D
 Acq: 12 Sep 2018 13:07

Tgt Ion:	43	Resp:	245427
Ion	Ratio	Lower	Upper
43	100		
72	27.8	13.3	39.9



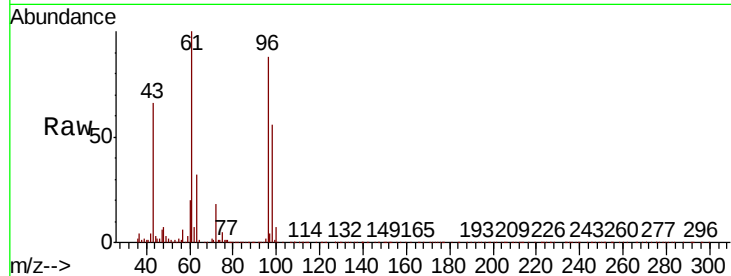


#22

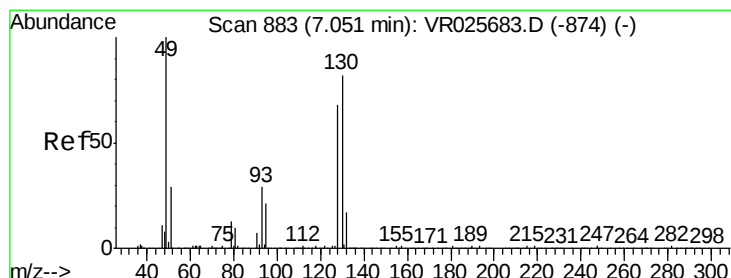
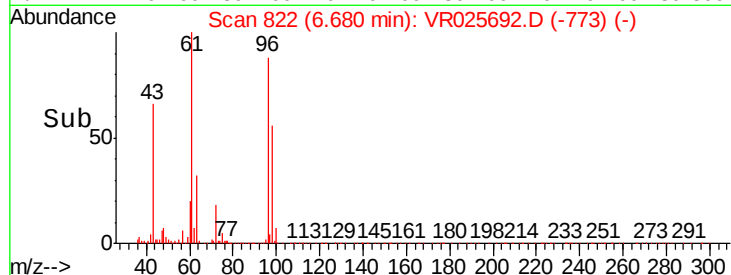
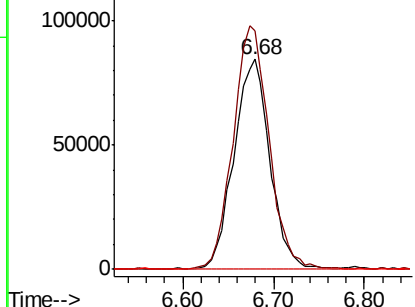
cis-1,2-Dichloroethene
Concen: 5.22 ug/L
RT: 6.68 min Scan# 822
Delta R.T. 0.00 min
Lab File: VR025692.D
Acq: 12 Sep 2018 13:07

Instrument :
MSVOA_R
ClientSampleId :
VSTD00597

Tot Ion	Ratio	Lower	Upper
96	100		
61	113.3	79.9	148.5
68	0.2	0.2	0.4#



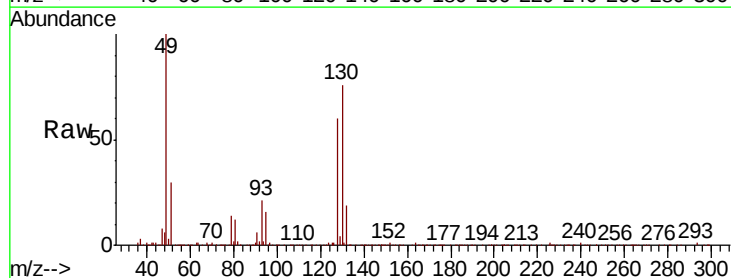
Abundance Ion 96.00 (95.70 to 96.70): VR0
Ion 61.05 (60.75 to 61.75): VR0
Ion 68.15 (67.85 to 68.85): VR0



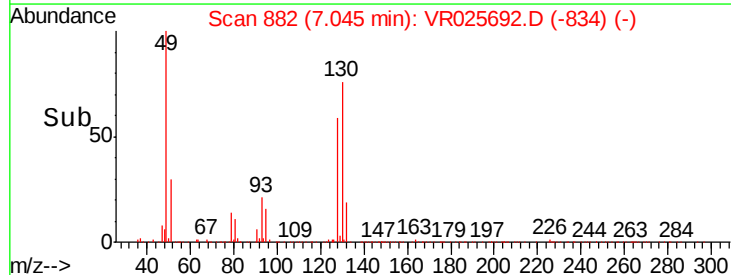
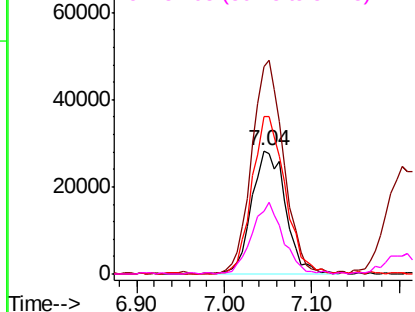
#23

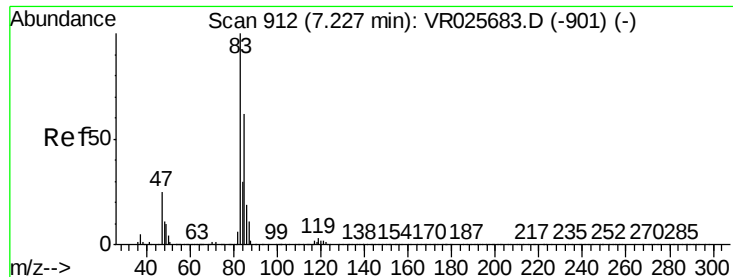
Bromochloromethane
Concen: 5.01 ug/L
RT: 7.04 min Scan# 882
Delta R.T. -0.01 min
Lab File: VR025692.D
Acq: 12 Sep 2018 13:07

Tgt Ion	Ratio	Lower	Upper
128	100		
49	168.0	104.6	194.2
130	127.2	84.7	157.3
51	51.0	35.4	53.2



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

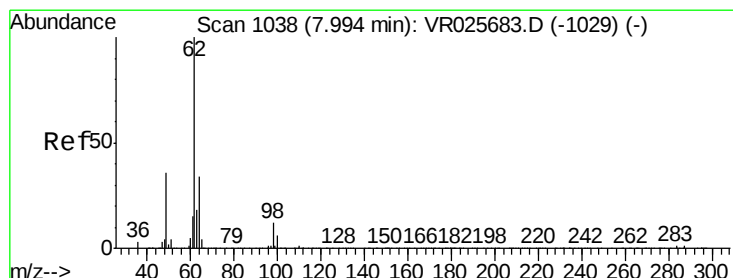
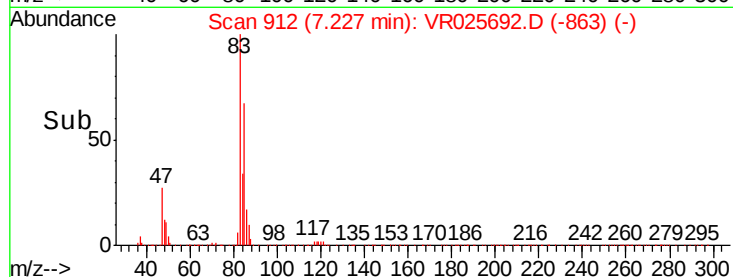
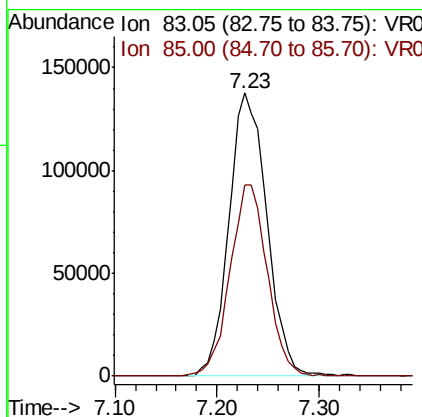
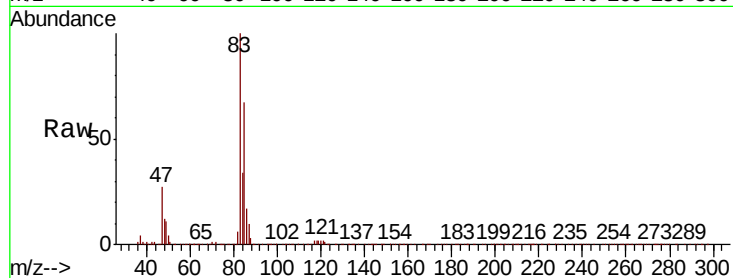




#25
Chloroform
Concen: 4.94 ug/L
RT: 7.23 min Scan# 912
Delta R.T. 0.00 min
Lab File: VR025692.D
Acq: 12 Sep 2018 13:07

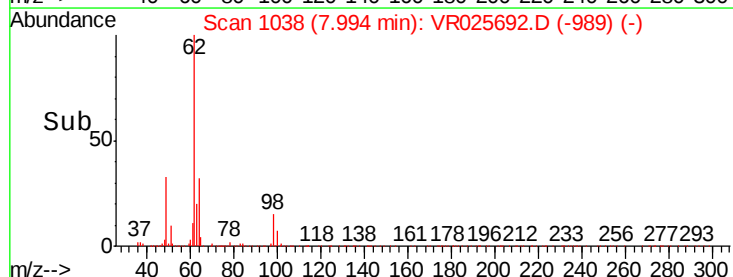
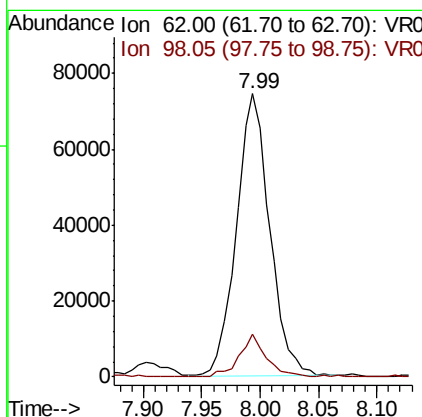
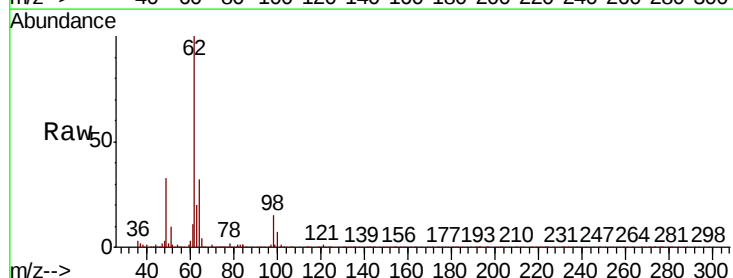
Instrument :
MSVOA_R
ClientSampleId :
VSTD00597

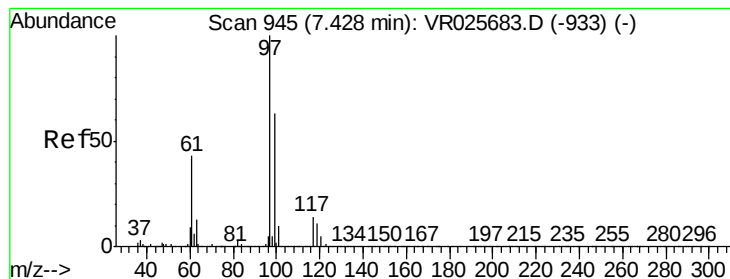
Tot Ion: 83 Resp: 353942
Ion Ratio Lower Upper
83 100
85 67.3 43.8 81.4



#27
1,2-Dichloroethane
Concen: 5.23 ug/L
RT: 7.99 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VR025692.D
Acq: 12 Sep 2018 13:07

Tgt Ion: 62 Resp: 147774
Ion Ratio Lower Upper
62 100
98 15.3 9.4 14.2#





#29

1,1,1-Trichloroethane

Concen: 4.54 ug/L

RT: 7.43 min Scan# 946

Delta R.T. 0.01 min

Lab File: VR025692.D

Acq: 12 Sep 2018 13:07

Instrument :

MSVOA_R

ClientSampleId :

VSTD00597

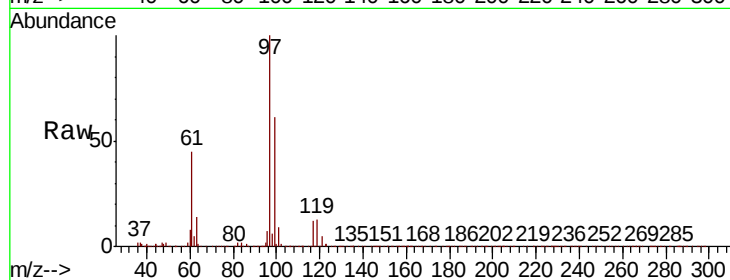
Tot Ion: 97 Resp: 265657

Ion Ratio Lower Upper

97 100

99 63.9 51.3 76.9

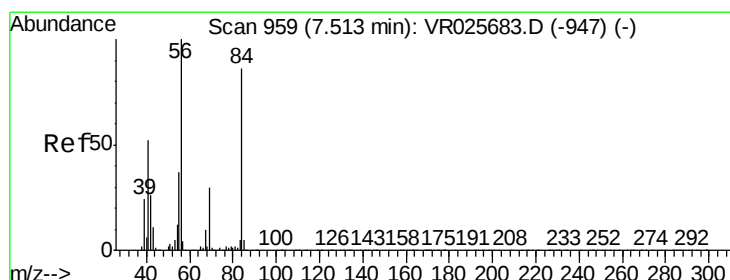
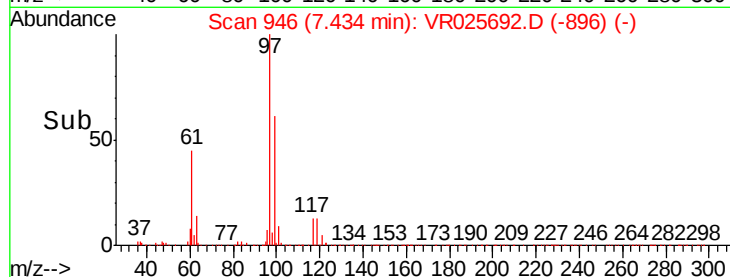
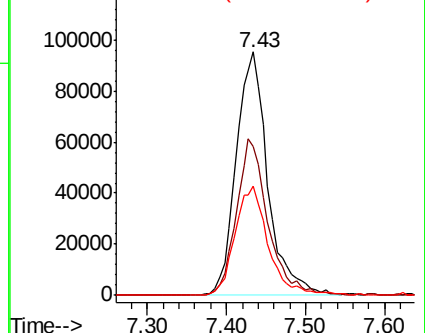
61 46.9 36.2 54.4



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: 5.15 ug/L

RT: 7.52 min Scan# 960

Delta R.T. 0.01 min

Lab File: VR025692.D

Acq: 12 Sep 2018 13:07

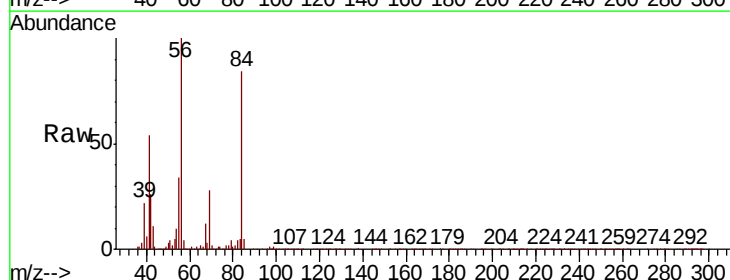
Tgt Ion: 56 Resp: 362241

Ion Ratio Lower Upper

56 100

69 28.2 23.4 35.2

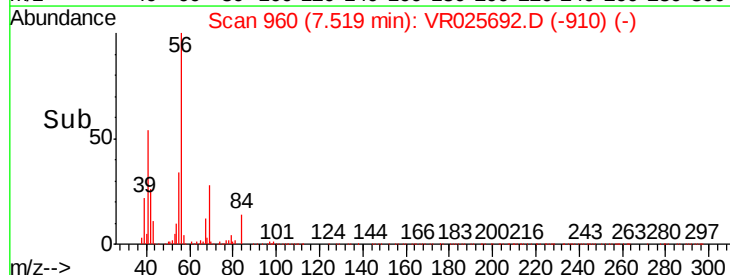
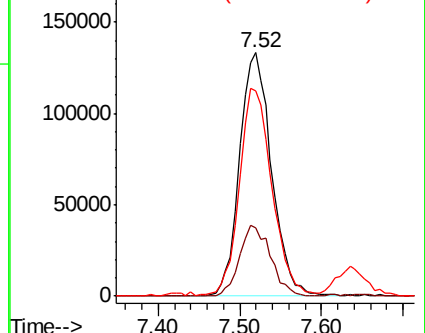
84 86.5 70.4 105.6

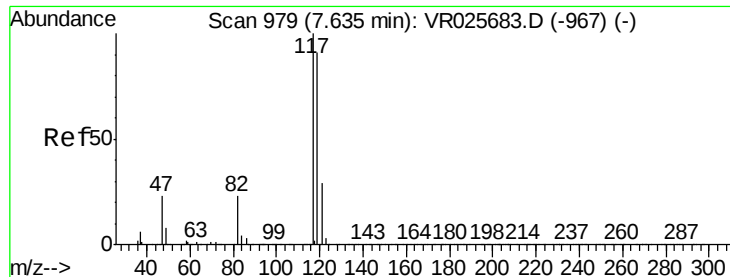


Abundance Ion 56.10 (55.80 to 56.80): VR0

Ion 69.15 (68.85 to 69.85): VR0

Ion 84.15 (83.85 to 84.85): VR0





#31

Carbon tetrachloride

Concen: 4.67 ug/L

RT: 7.63 min Scan# 979

Delta R.T. 0.00 min

Lab File: VR025692.D

Acq: 12 Sep 2018 13:07

Instrument :

MSVOA_R

ClientSampleId :

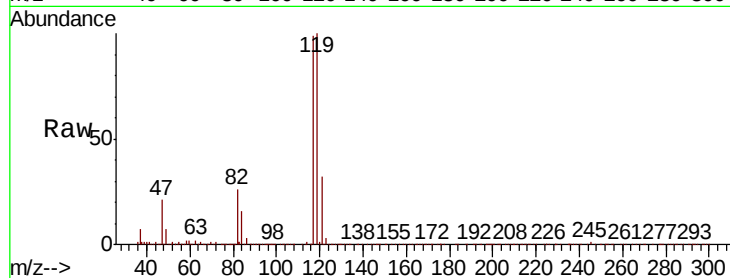
VSTD00597

Tot Ion:117 Resp: 265350

Ion Ratio Lower Upper

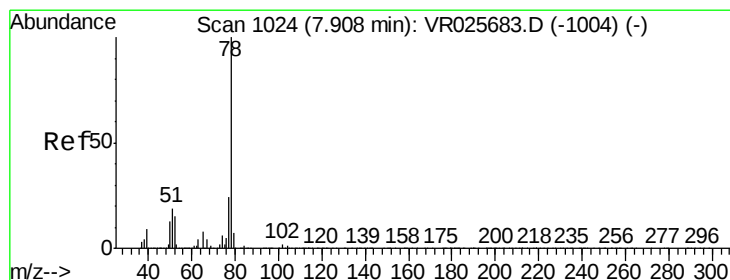
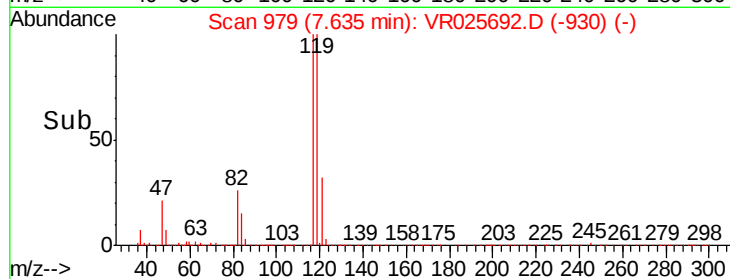
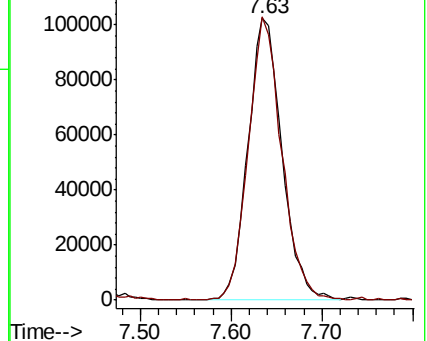
117 100

119 98.4 78.9 118.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.88 ug/L

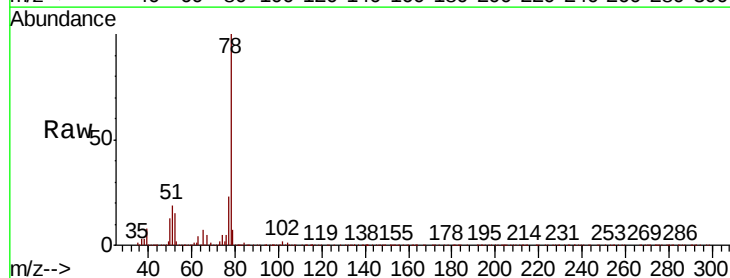
RT: 7.91 min Scan# 1024

Delta R.T. 0.00 min

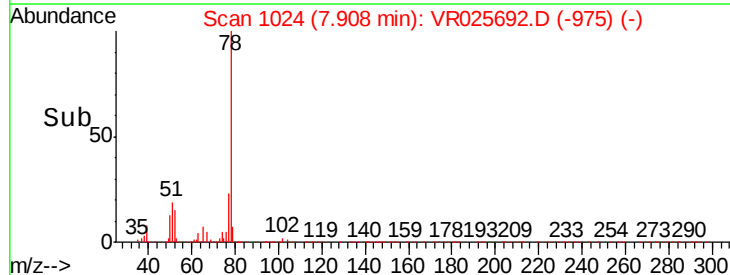
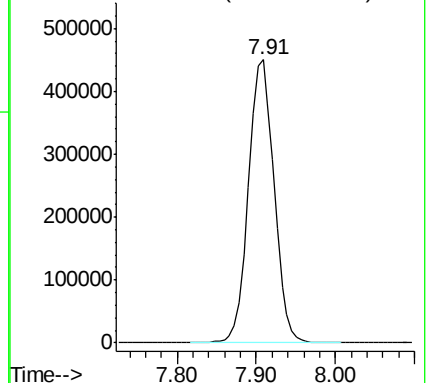
Lab File: VR025692.D

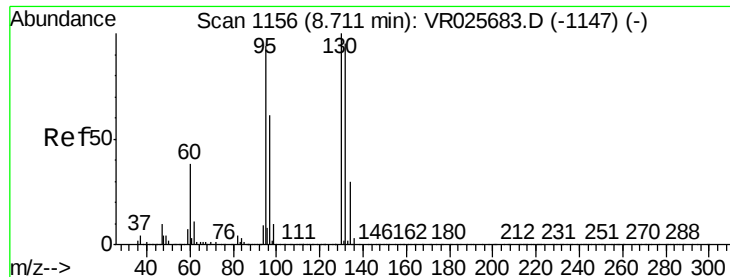
Acq: 12 Sep 2018 13:07

Tgt Ion: 78 Resp: 1021889



Abundance Ion 78.10 (77.80 to 78.80): VR0





#34

Trichloroethene

Concen: 4.47 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VR025692.D

Acq: 12 Sep 2018 13:07

Instrument :

MSVOA_R

ClientSampleId :

VSTD00597

Tot Ion: 95 Resp: 227000

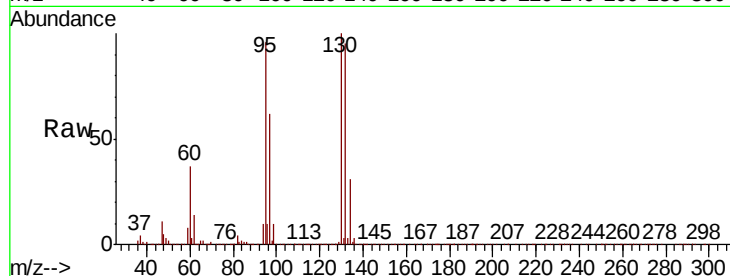
Ion Ratio Lower Upper

95 100

97 64.1 45.5 84.5

132 98.5 71.0 131.9

130 103.8 74.5 138.3

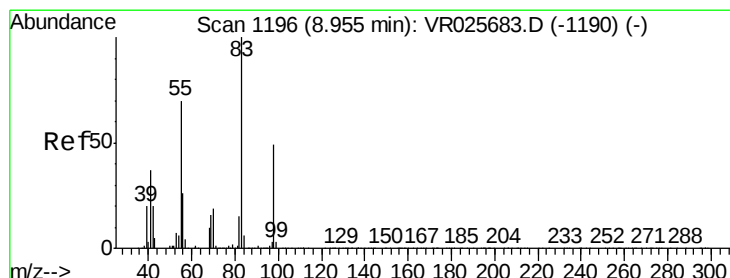
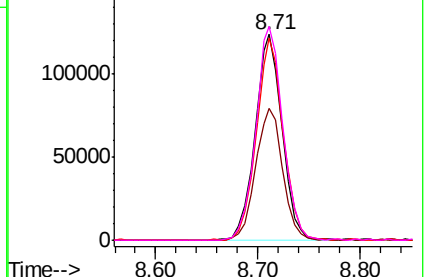
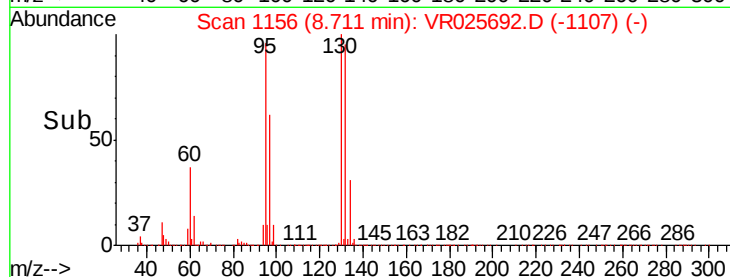


Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.32 ug/L

RT: 8.95 min Scan# 1196

Delta R.T. -0.00 min

Lab File: VR025692.D

Acq: 12 Sep 2018 13:07

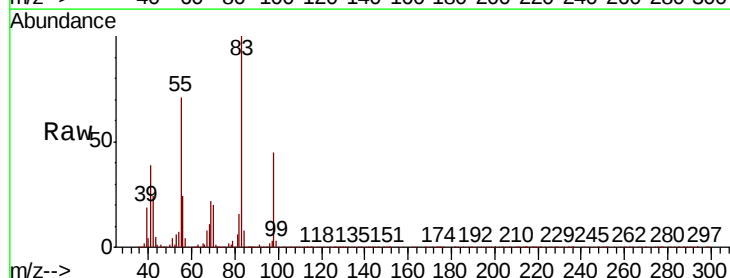
Tgt Ion: 83 Resp: 416633

Ion Ratio Lower Upper

83 100

55 73.3 58.9 88.3

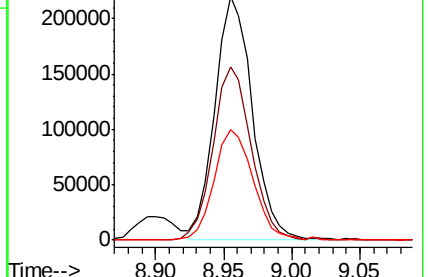
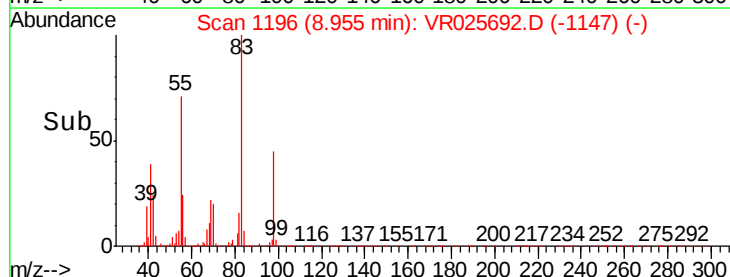
98 47.8 36.9 55.3

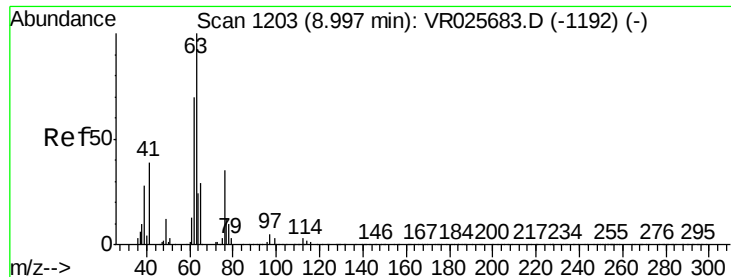


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

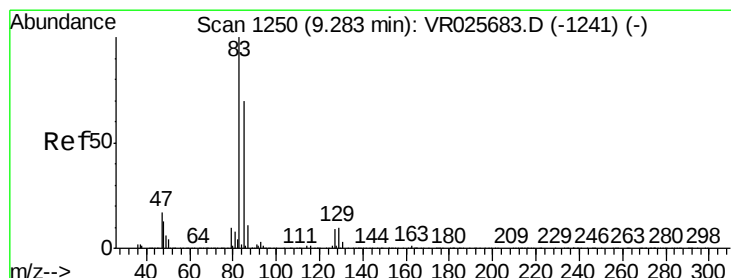
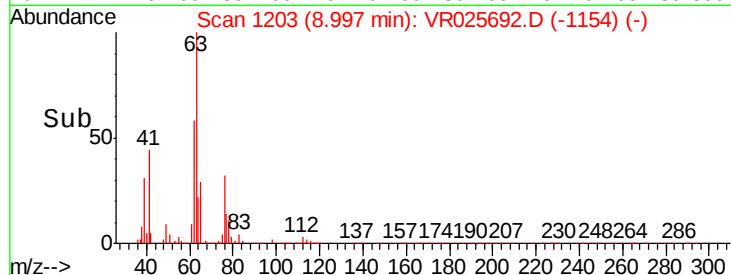
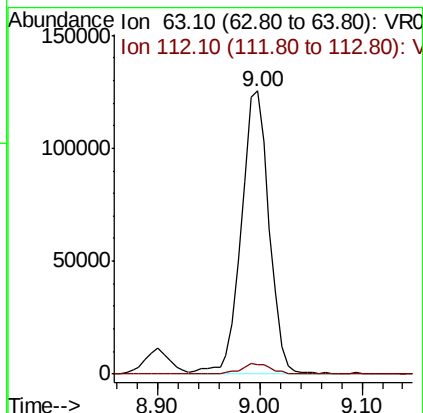
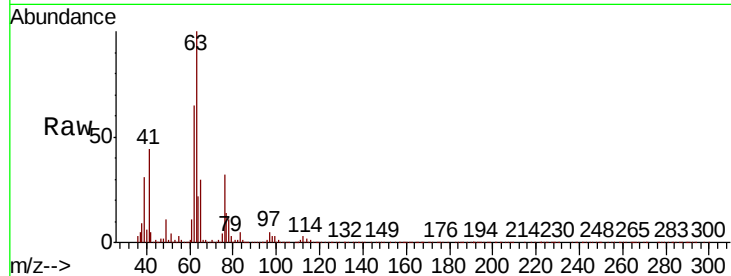




#37
 1,2-Dichloropropane
 Concen: 4.97 ug/L
 RT: 9.00 min Scan# 1203
 Delta R.T. -0.00 min
 Lab File: VR025692.D
 Acq: 12 Sep 2018 13:07

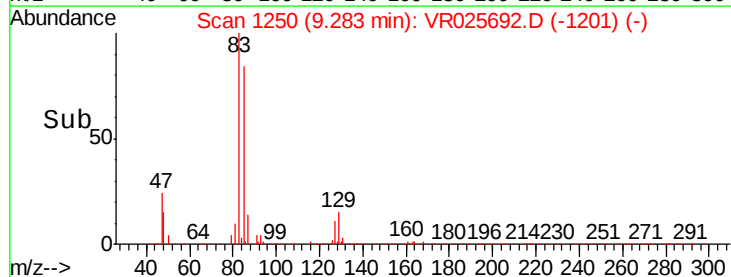
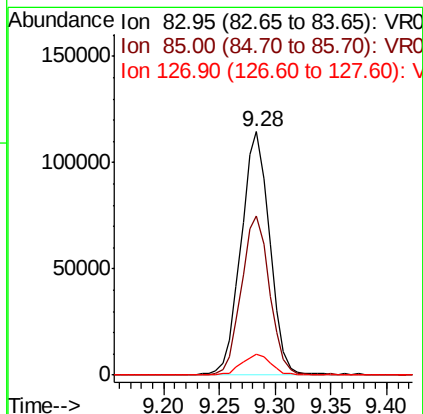
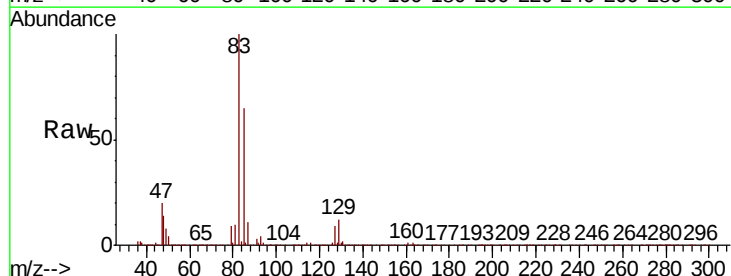
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00597

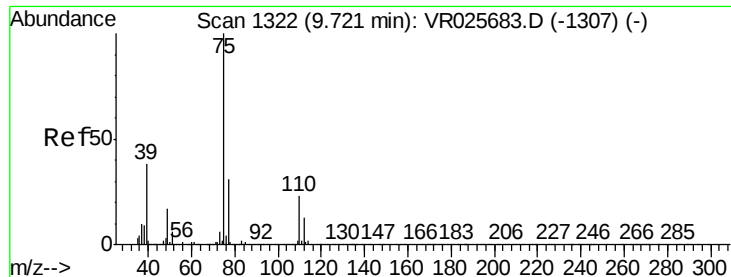
Tot Ion: 63 Resp: 234759
 Ion Ratio Lower Upper
 63 100
 112 4.2 2.9 4.3



#38
 Bromodichloromethane
 Concen: 4.83 ug/L
 RT: 9.28 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: VR025692.D
 Acq: 12 Sep 2018 13:07

Tgt Ion: 83 Resp: 204616
 Ion Ratio Lower Upper
 83 100
 85 65.2 48.7 90.5
 127 8.5 7.5 11.3





#39

cis-1,3-Dichloropropene

Concen: 4.98 ug/L

RT: 9.72 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VR025692.D

Acq: 12 Sep 2018 13:07

Instrument :

MSVOA_R

ClientSampleId :

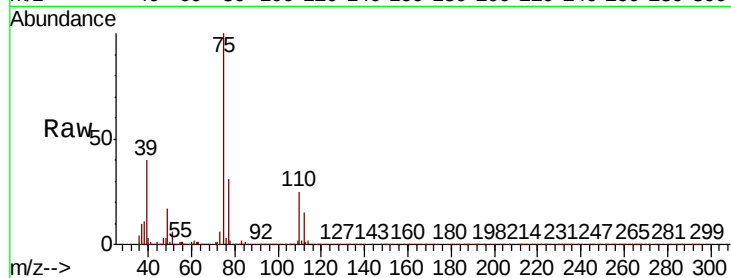
VSTD00597

Tot Ion: 75 Resp: 240286

Ion Ratio Lower Upper

75 100

77 31.3 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

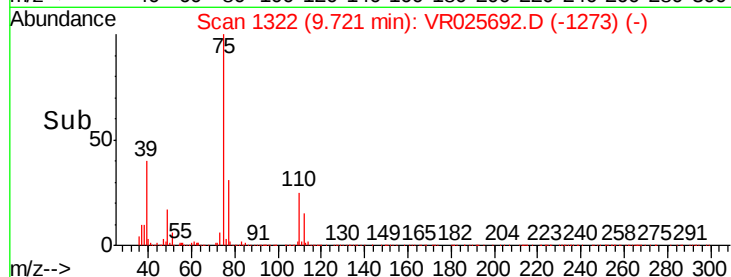
150000

100000

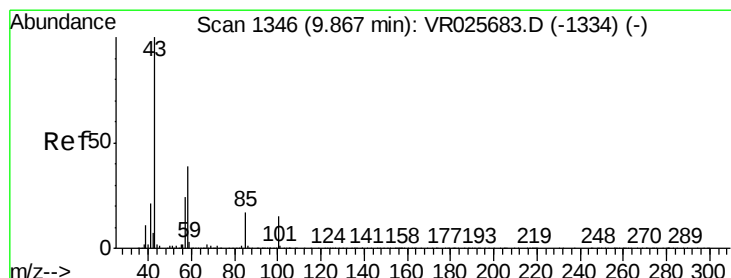
50000

0

9.60 9.65 9.70 9.75 9.80



Time-->



#40

4-Methyl-2-pentanone

Concen: 59.20 ug/L

RT: 9.87 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VR025692.D

Acq: 12 Sep 2018 13:07

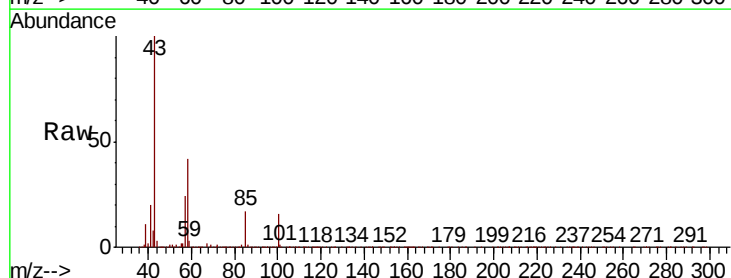
Tgt Ion: 43 Resp: 690980

Ion Ratio Lower Upper

43 100

58 39.2 30.6 46.0

100 14.2 11.7 17.5



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 100.15 (99.85 to 100.85): VR0

600000

500000

400000

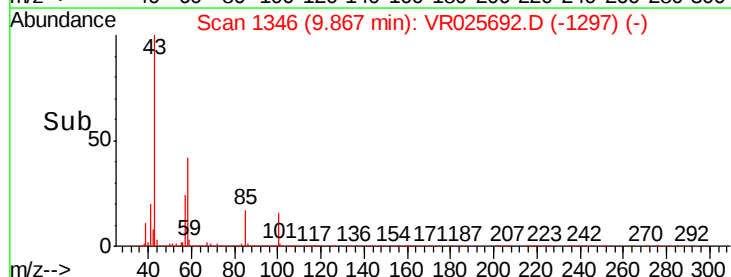
300000

200000

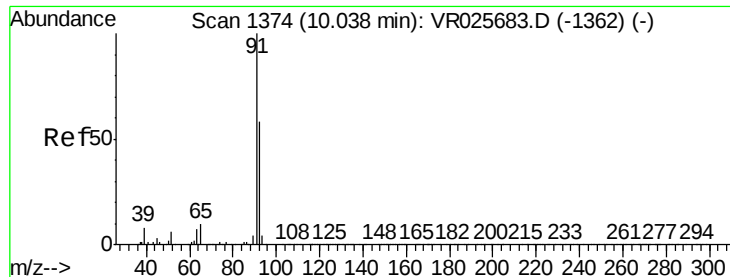
100000

0

9.80 9.90



Time-->



#42

Toluene

Concen: 5.18 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. 0.00 min

Lab File: VR025692.D

Acq: 12 Sep 2018 13:07

Instrument :

MSVOA_R

ClientSampleId :

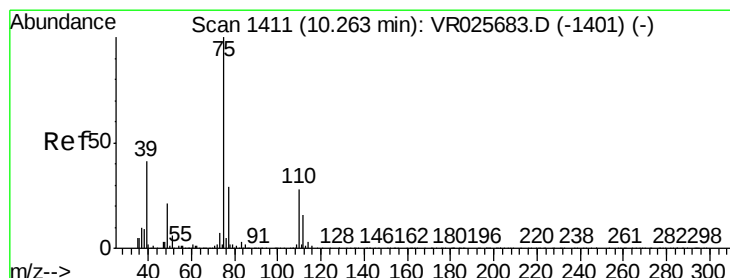
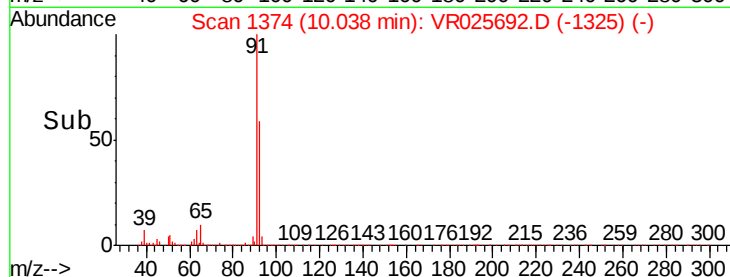
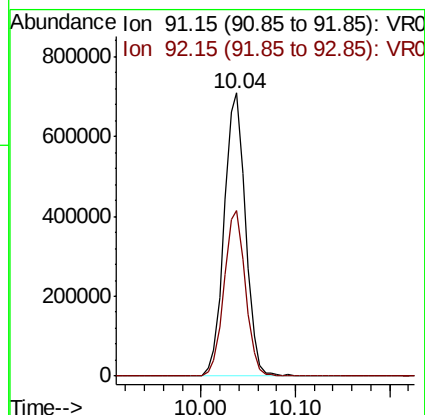
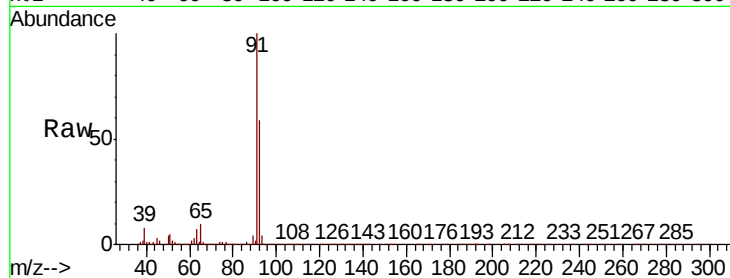
VSTD00597

Tot Ion: 91 Resp: 1110307

Ion Ratio Lower Upper

91 100

92 58.6 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 5.02 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR025692.D

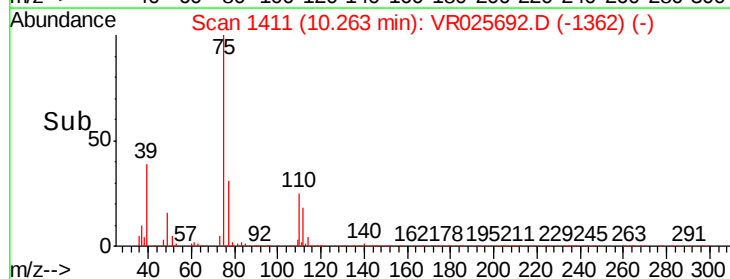
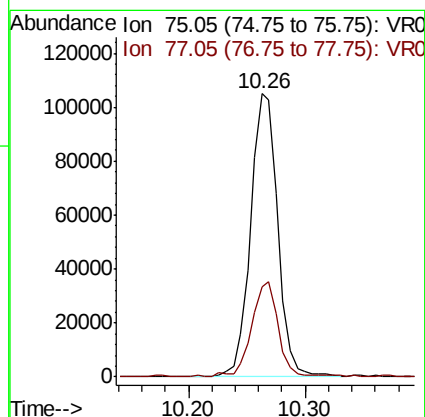
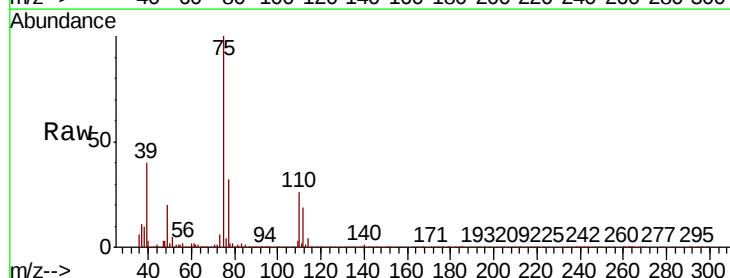
Acq: 12 Sep 2018 13:07

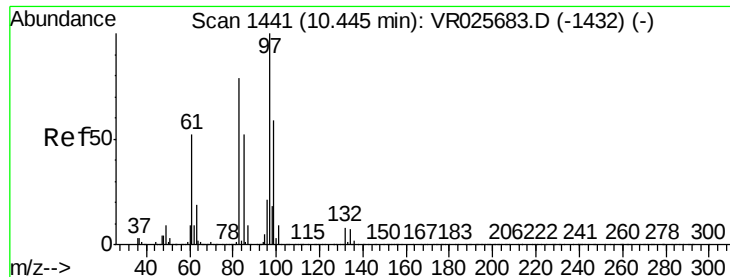
Tgt Ion: 75 Resp: 170555

Ion Ratio Lower Upper

75 100

77 31.7 20.7 38.5

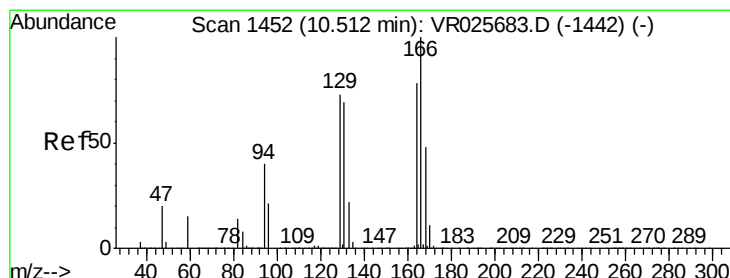
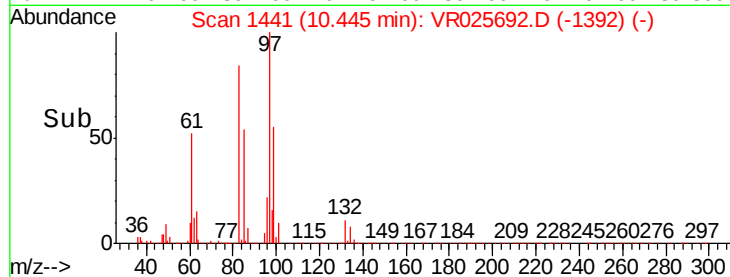
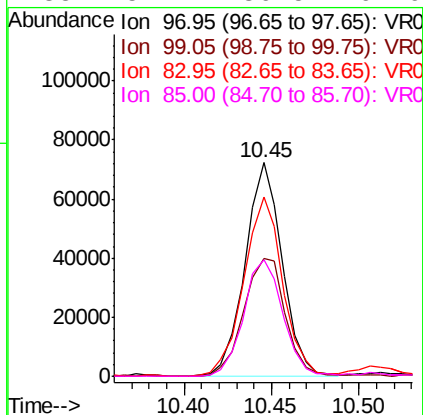
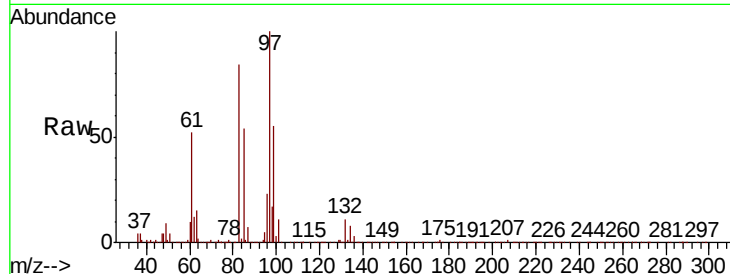




#45
 1,1,2-Trichloroethane
 Concen: 4.81 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VR025692.D
 Acq: 12 Sep 2018 13:07

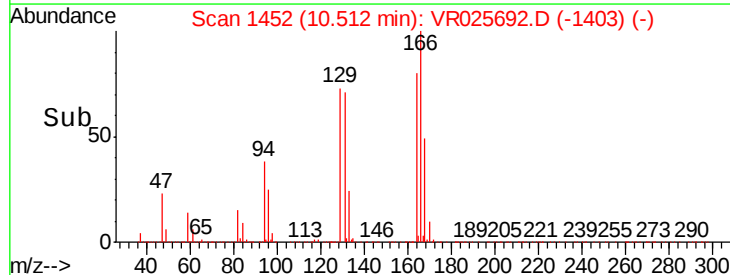
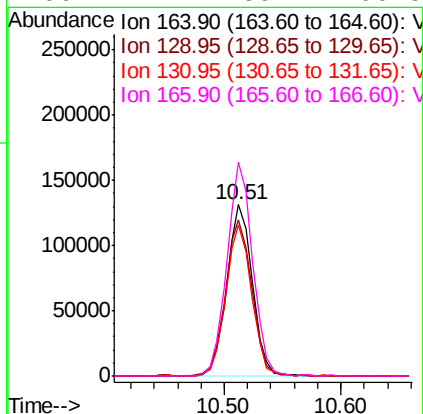
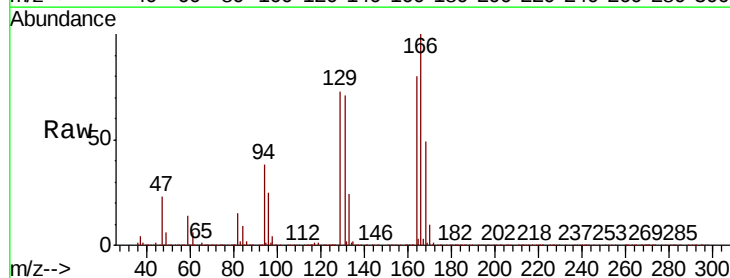
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00597

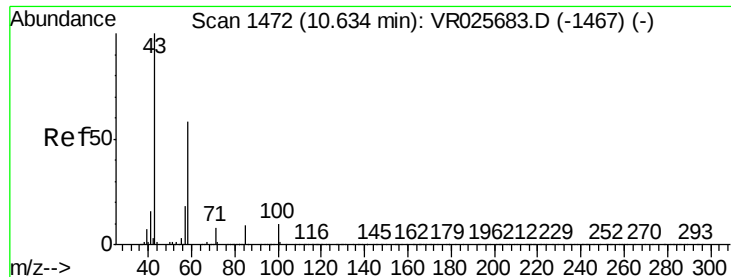
Tot Ion:	97	Resp:	106276
Ion	Ratio	Lower	Upper
97	100		
99	54.9	41.3	76.7
83	84.0	55.4	102.8
85	54.4	36.5	67.9



#47
 Tetrachloroethene
 Concen: 4.82 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: VR025692.D
 Acq: 12 Sep 2018 13:07

Tgt Ion:	164	Resp:	200152
Ion	Ratio	Lower	Upper
164	100		
129	91.2	65.6	121.8
131	88.4	62.2	115.4
166	124.7	89.7	166.5

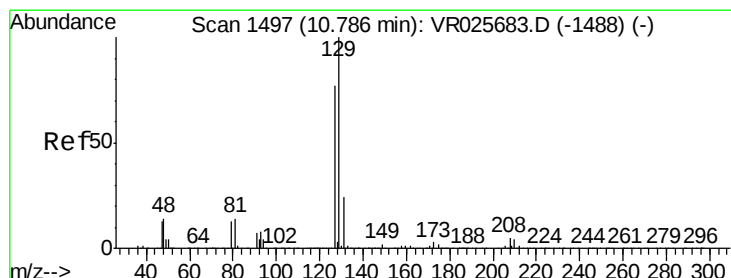
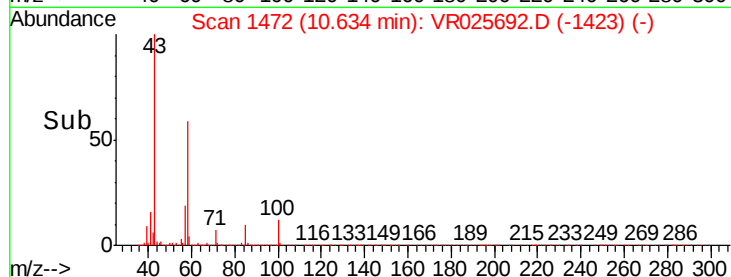
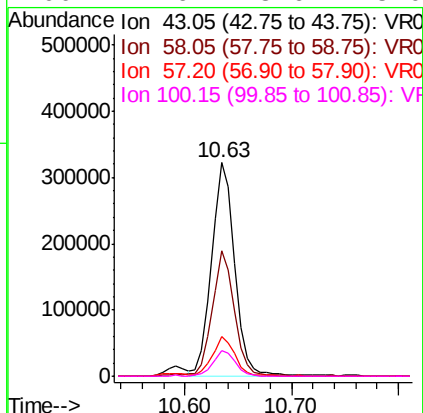
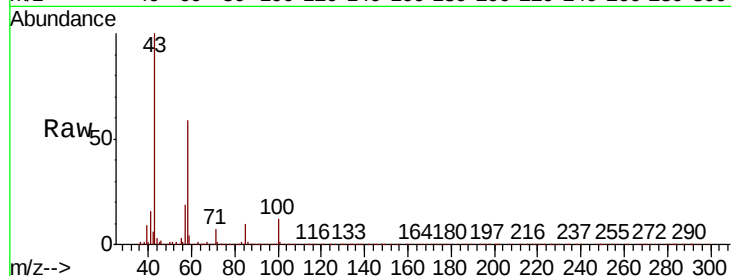




#48
2-Hexanone
Concen: 58.50 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR025692.D
Acq: 12 Sep 2018 13:07

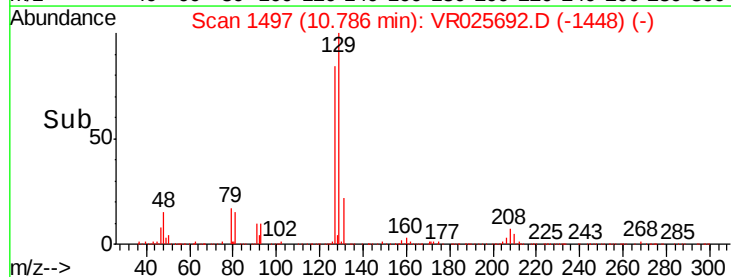
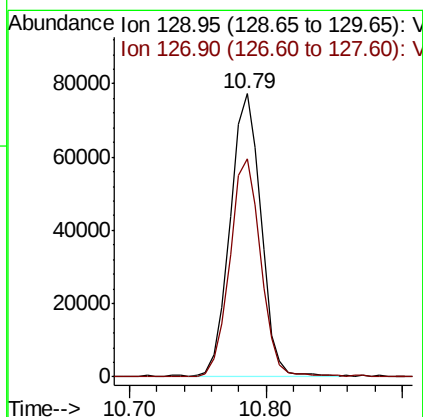
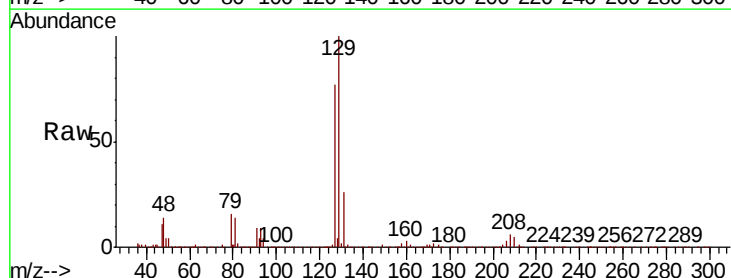
Instrument :
MSVOA_R
ClientSampleId :
VSTD00597

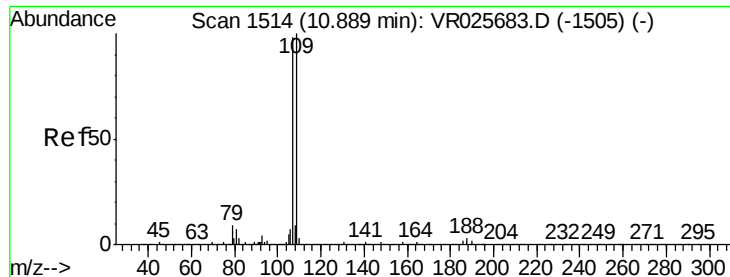
Tot Ion:	43	Resp:	478826
Ion	Ratio	Lower	Upper
43	100		
58	55.5	45.8	68.8
57	18.2	14.2	21.2
100	11.6	8.6	13.0



#49
Dibromochloromethane
Concen: 5.15 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.00 min
Lab File: VR025692.D
Acq: 12 Sep 2018 13:07

Tgt Ion:	129	Resp:	121382
Ion	Ratio	Lower	Upper
129	100		
127	77.2	54.1	100.5

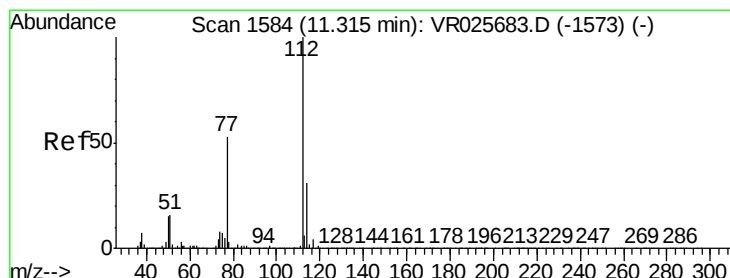
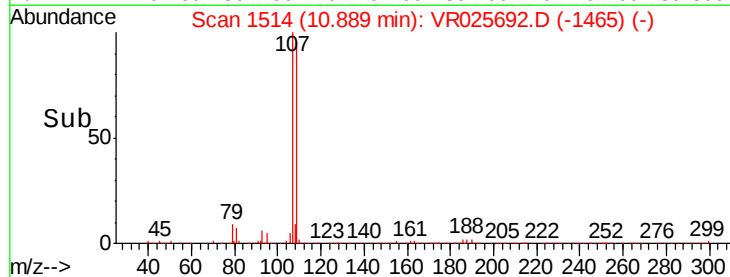
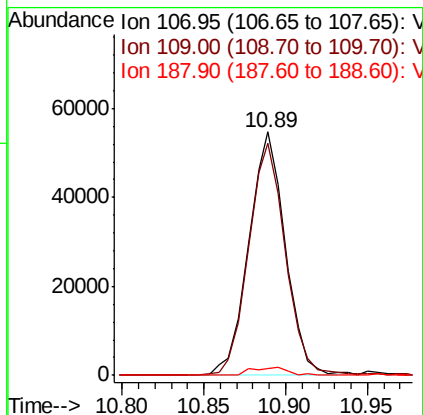
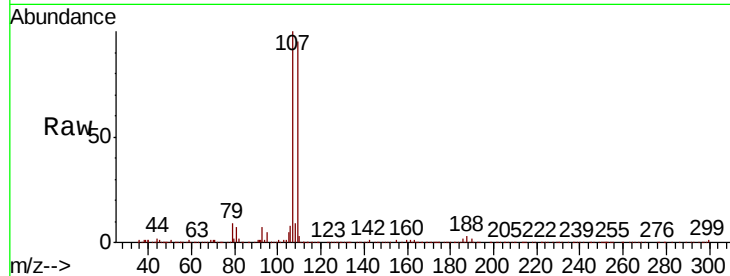




#50
1,2-Dibromoethane
Concen: 4.83 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VR025692.D
Acq: 12 Sep 2018 13:07

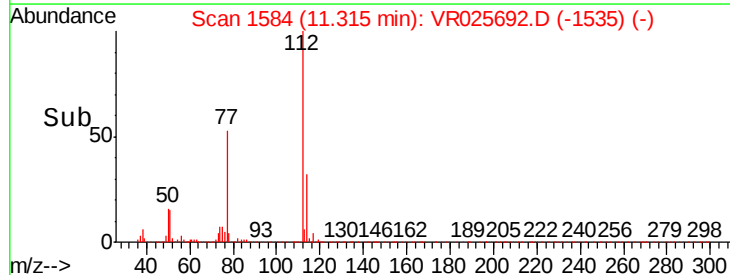
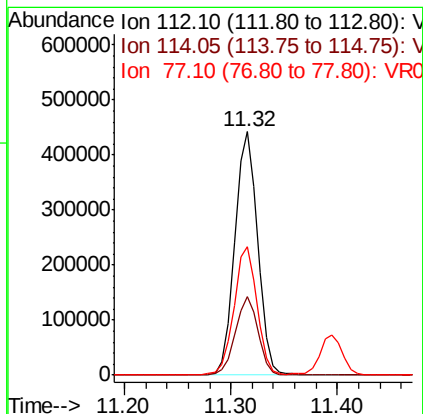
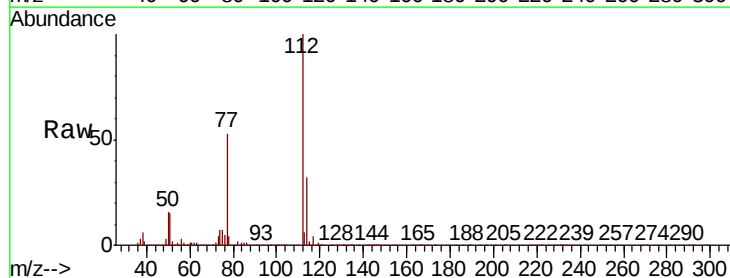
Instrument :
MSVOA_R
ClientSampleId :
VSTD00597

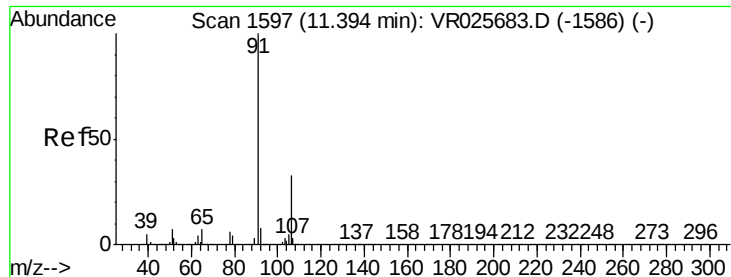
Tot Ion:107 Resp: 84812
Ion Ratio Lower Upper
107 100
109 95.1 71.3 132.5
188 2.6 3.4 5.0#



#51
Chlorobenzene
Concen: 4.95 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VR025692.D
Acq: 12 Sep 2018 13:07

Tgt Ion:112 Resp: 666524
Ion Ratio Lower Upper
112 100
114 32.5 21.8 40.6
77 53.0 42.4 63.6





#52

Ethylbenzene

Concen: 5.19 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR025692.D

Acq: 12 Sep 2018 13:07

Instrument :

MSVOA_R

ClientSampleId :

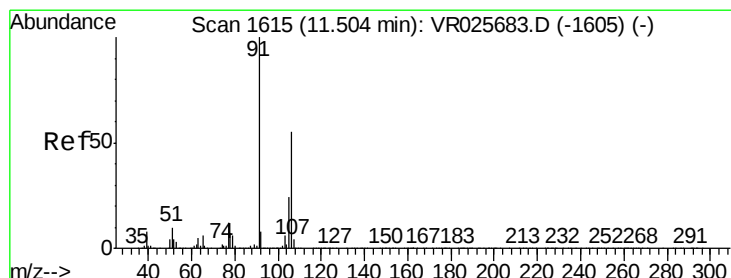
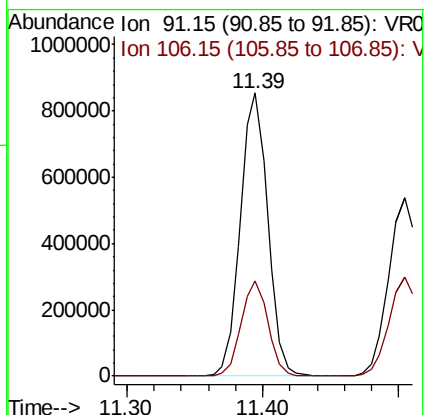
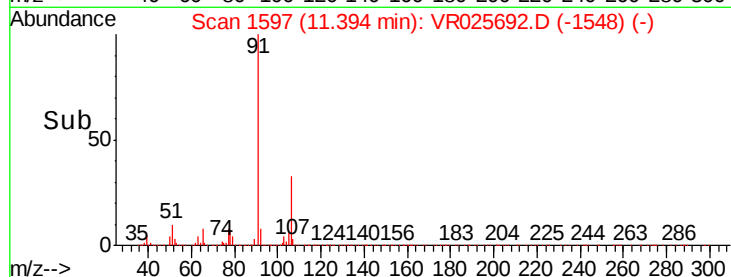
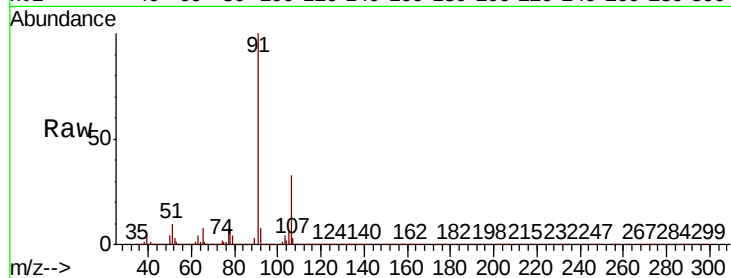
VSTD00597

Tot Ion: 91 Resp: 1199903

Ion Ratio Lower Upper

91 100

106 33.5 22.7 42.3



#53

m,p-Xylene

Concen: 5.22 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR025692.D

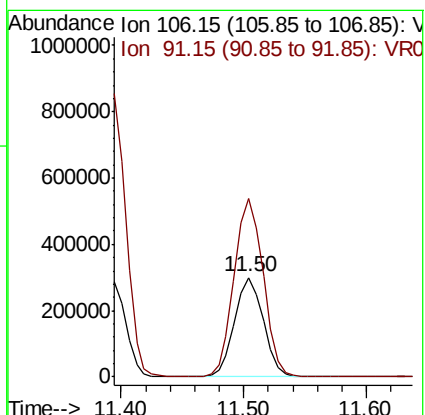
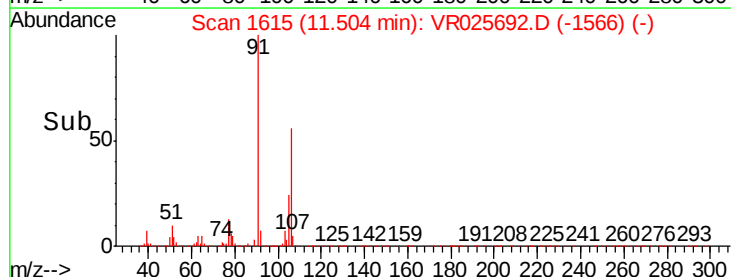
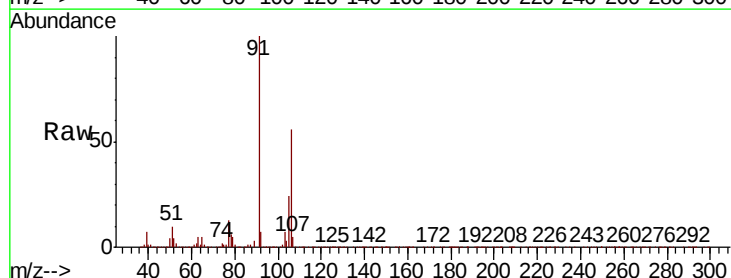
Acq: 12 Sep 2018 13:07

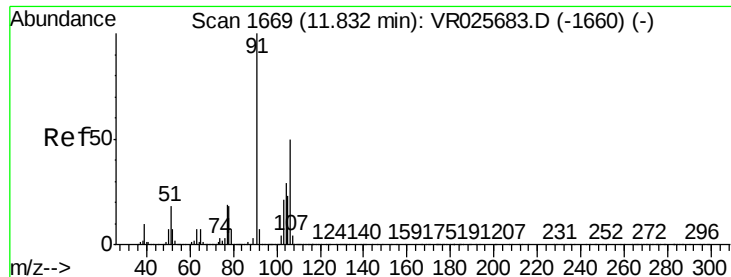
Tgt Ion: 106 Resp: 484855

Ion Ratio Lower Upper

106 100

91 179.7 128.7 238.9

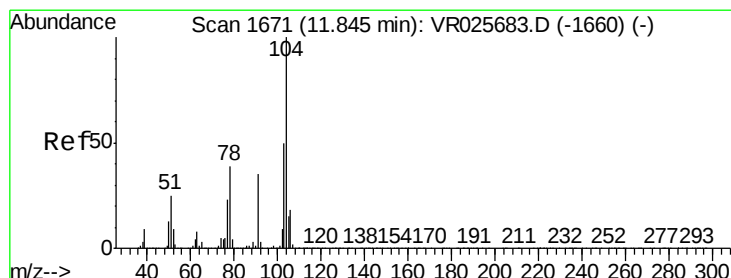
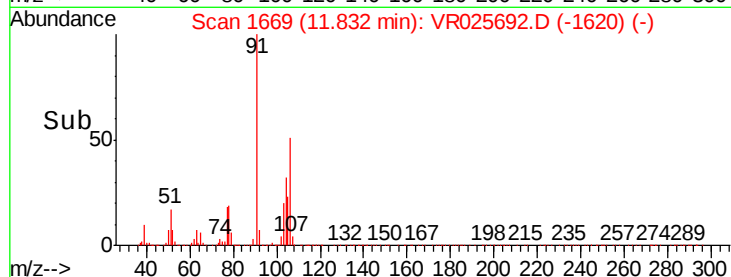
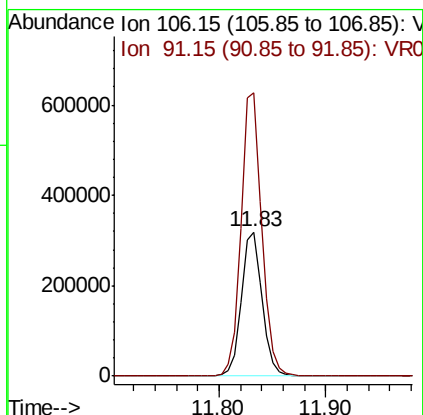
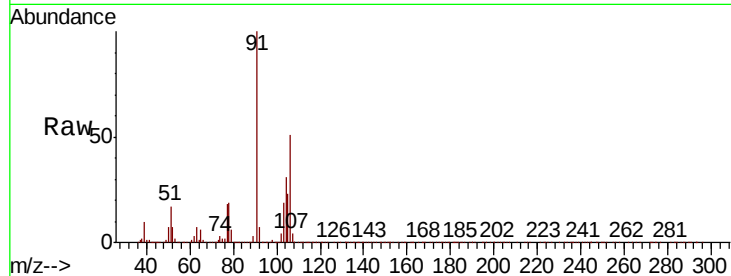




#54
o-Xylene
Concen: 5.31 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. 0.00 min
Lab File: VR025692.D
Acq: 12 Sep 2018 13:07

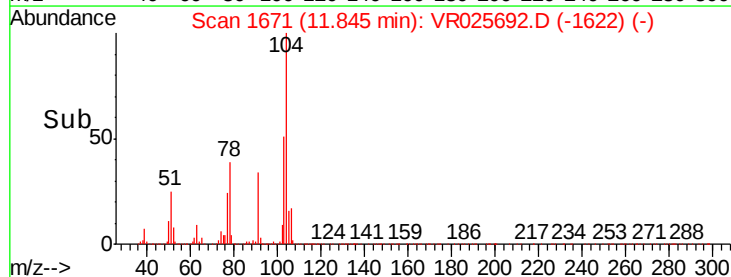
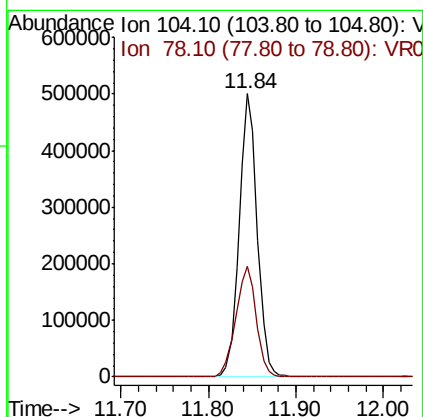
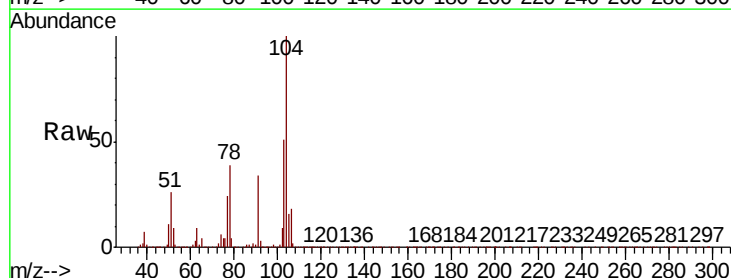
Instrument :
MSVOA_R
ClientSampleId :
VSTD00597

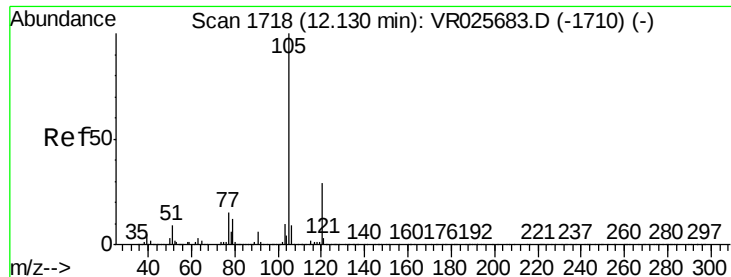
Tot Ion:106 Resp: 435095
Ion Ratio Lower Upper
106 100
91 196.3 139.2 258.6



#55
Styrene
Concen: 5.49 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR025692.D
Acq: 12 Sep 2018 13:07

Tgt Ion:104 Resp: 723583
Ion Ratio Lower Upper
104 100
78 39.3 27.6 51.2





#56

Isopropylbenzene

Concen: 5.63 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR025692.D

Acq: 12 Sep 2018 13:07

Instrument :

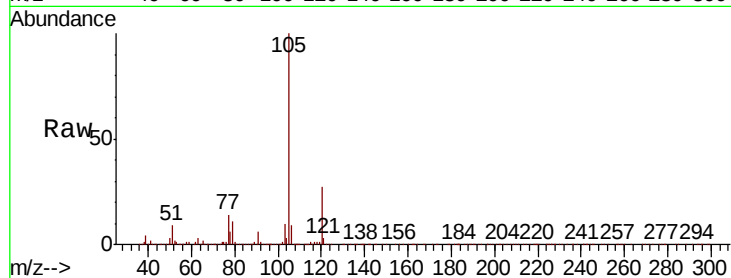
MSVOA_R

ClientSampleId :

VSTD00597

Tot Ion:105 Resp: 1148532

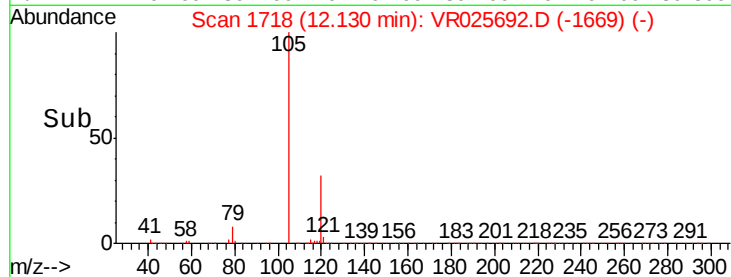
Ion	Ratio	Lower	Upper
105	100		
120	27.5	22.8	34.2
77	14.2	11.8	17.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

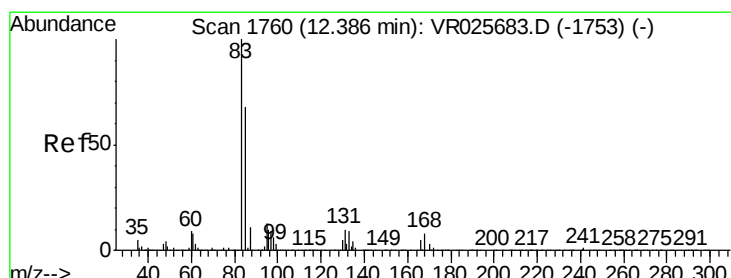
Ion 77.10 (76.80 to 77.80): V



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: 5.12 ug/L

RT: 12.39 min Scan# 1760

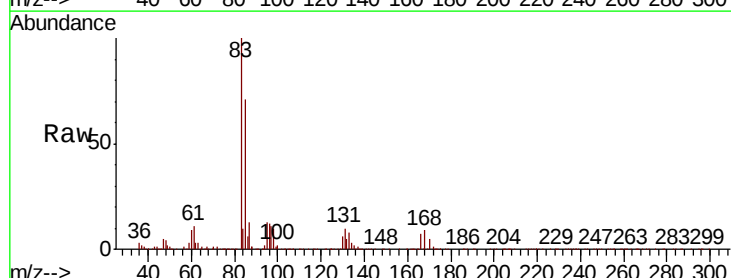
Delta R.T. -0.00 min

Lab File: VR025692.D

Acq: 12 Sep 2018 13:07

Tgt Ion: 83 Resp: 110293

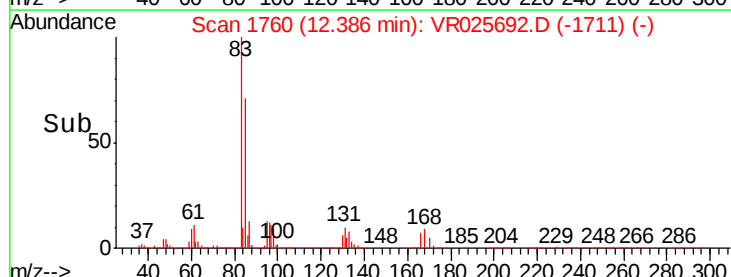
Ion	Ratio	Lower	Upper
83	100		
85	71.2	47.9	88.9
131	10.3	8.2	12.4



Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

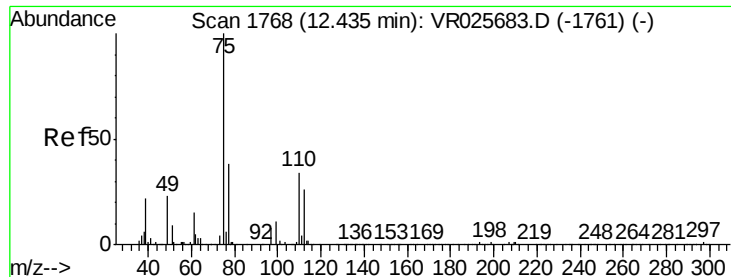
Ion 130.95 (130.65 to 131.65): V



Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

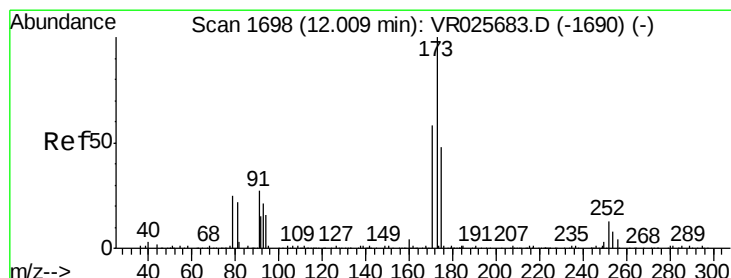
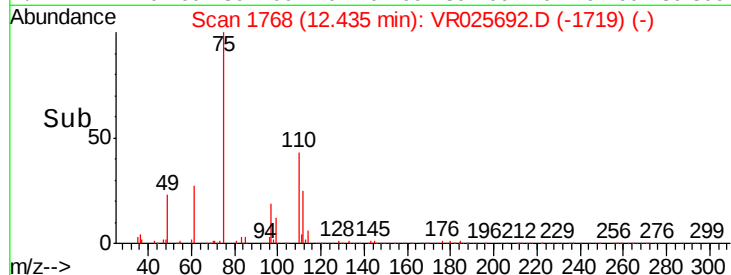
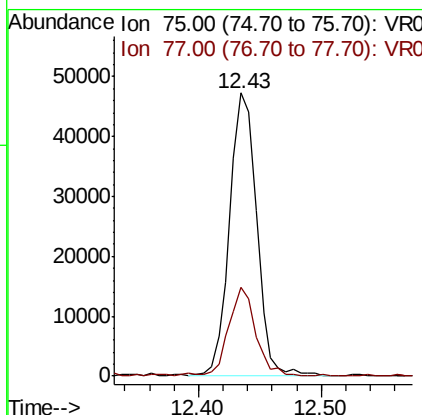
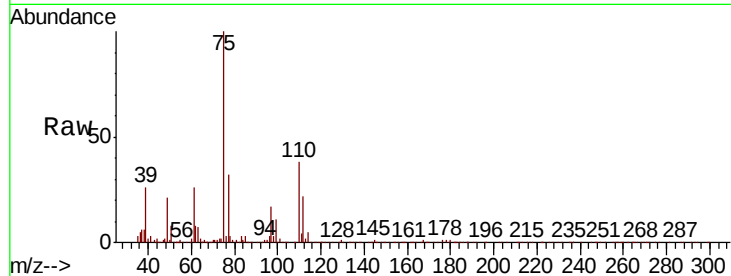
Ion 130.95 (130.65 to 131.65): V



#59
 1,2,3-Trichloropropane
 Concen: 5.00 ug/L
 RT: 12.43 min Scan# 1768
 Delta R.T. 0.00 min
 Lab File: VR025692.D
 Acq: 12 Sep 2018 13:07

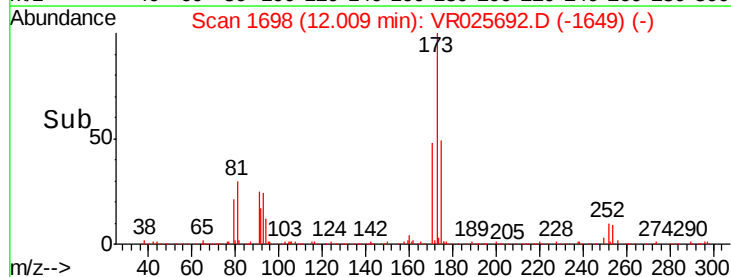
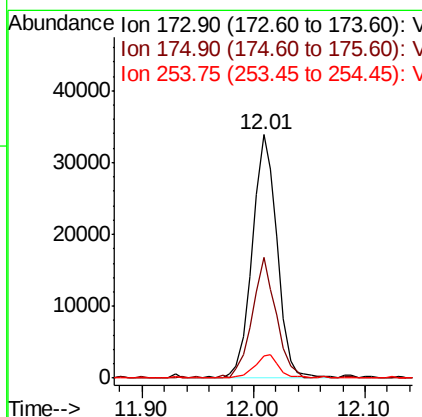
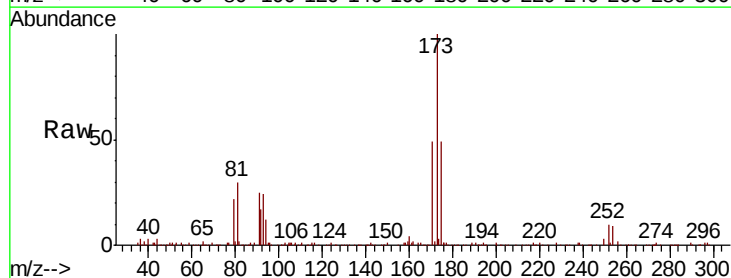
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00597

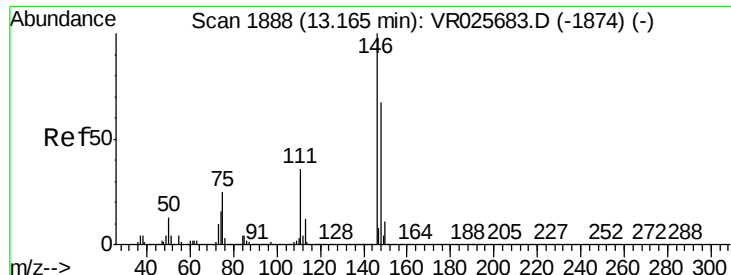
Tot Ion: 75 Resp: 72508
 Ion Ratio Lower Upper
 75 100
 77 31.0 27.8 41.8



#61
 Bromoform
 Concen: 4.69 ug/L
 RT: 12.01 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VR025692.D
 Acq: 12 Sep 2018 13:07

Tgt Ion:173 Resp: 52677
 Ion Ratio Lower Upper
 173 100
 175 47.0 41.9 62.9
 254 9.3 7.3 10.9





#62

1,3-Dichlorobenzene

Concen: 4.37 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. 0.00 min

Lab File: VR025692.D

Acq: 12 Sep 2018 13:07

Instrument :

MSVOA_R

ClientSampleId :

VSTD00597

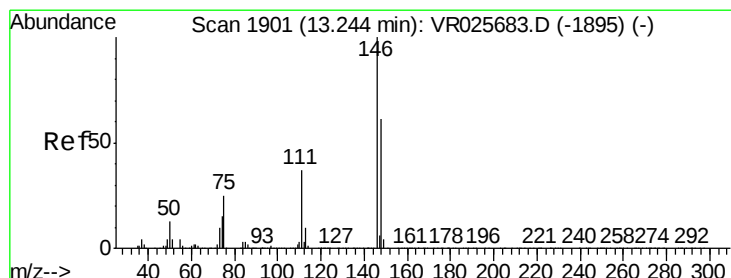
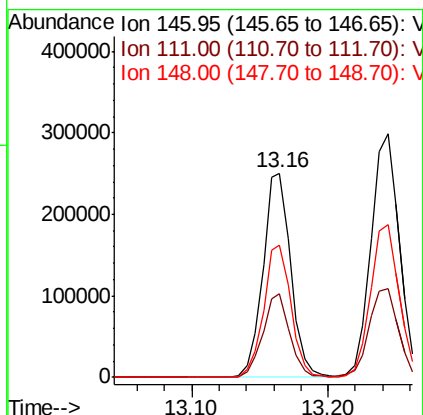
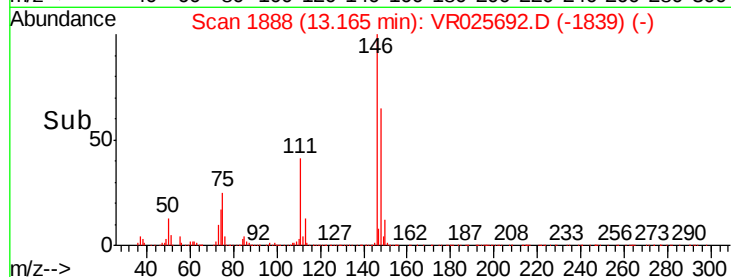
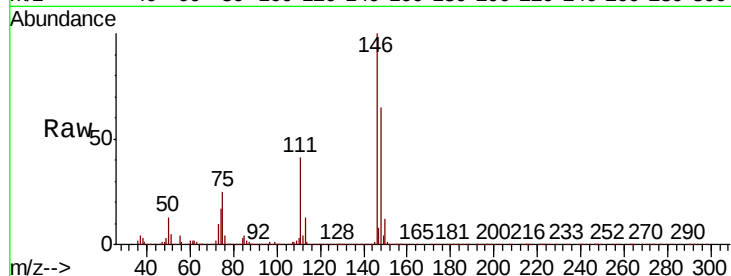
Tot Ion:146 Resp: 358431

Ion Ratio Lower Upper

146 100

111 40.9 25.4 47.2

148 64.5 46.9 87.1



#63

1,4-Dichlorobenzene

Concen: 4.63 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. -0.00 min

Lab File: VR025692.D

Acq: 12 Sep 2018 13:07

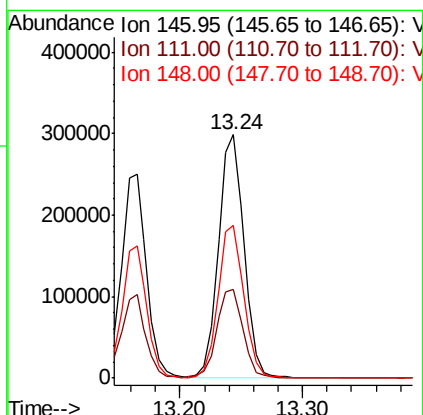
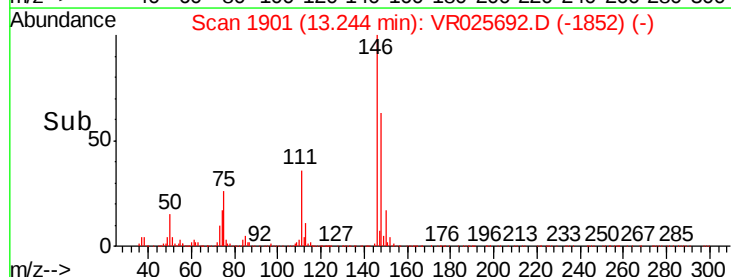
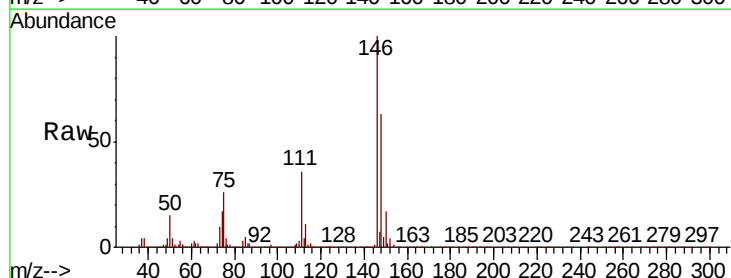
Tgt Ion:146 Resp: 431365

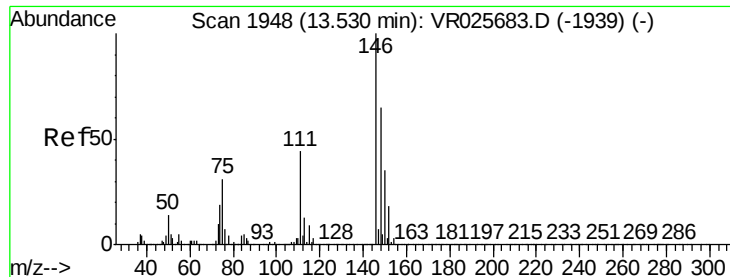
Ion Ratio Lower Upper

146 100

111 36.2 26.2 48.6

148 62.9 42.7 79.3

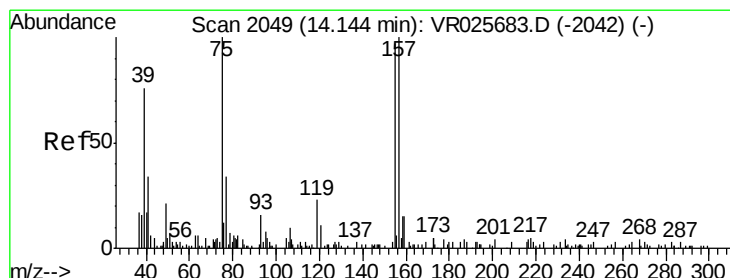
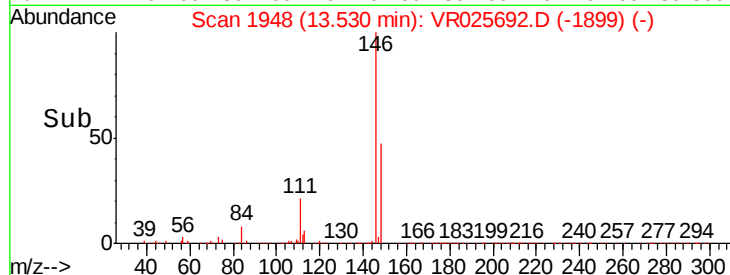
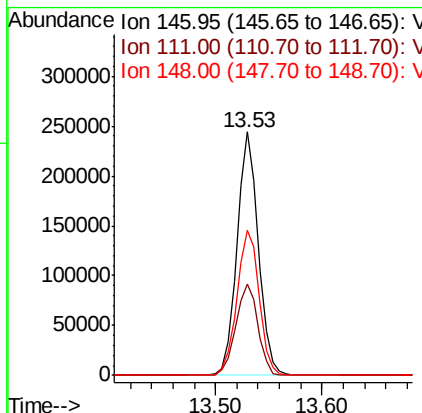
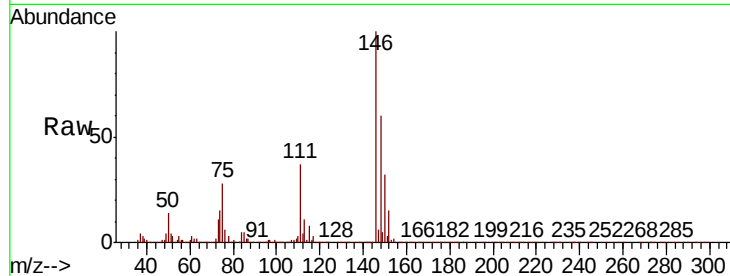




#65
 1,2-Dichlorobenzene
 Concen: 4.84 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. 0.00 min
 Lab File: VR025692.D
 Acq: 12 Sep 2018 13:07

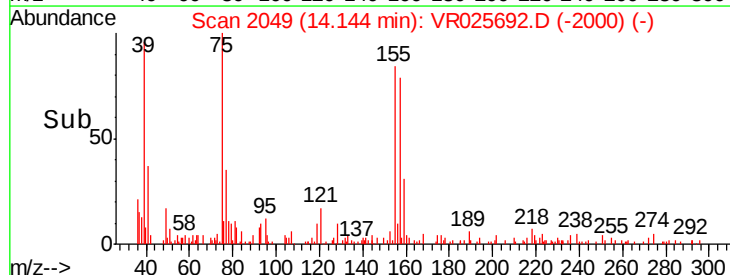
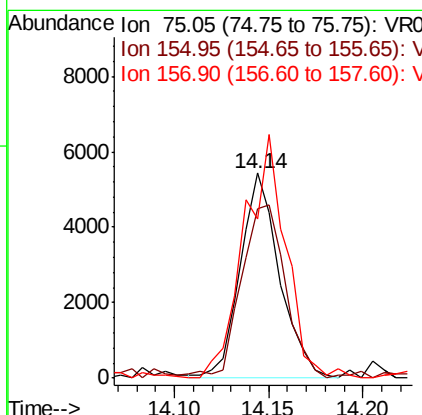
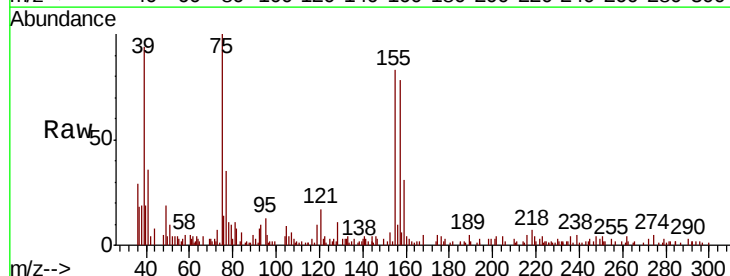
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00597

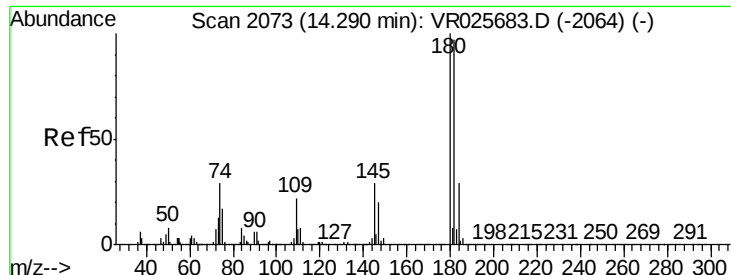
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	35.2	52.8
148	59.7	52.1	78.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.79 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VR025692.D
 Acq: 12 Sep 2018 13:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.6	79.3	118.9
157	77.9	81.4	122.2#

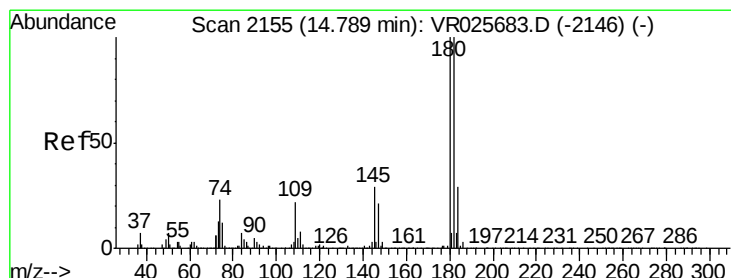
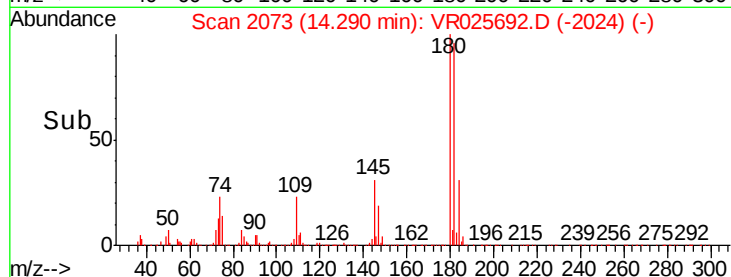
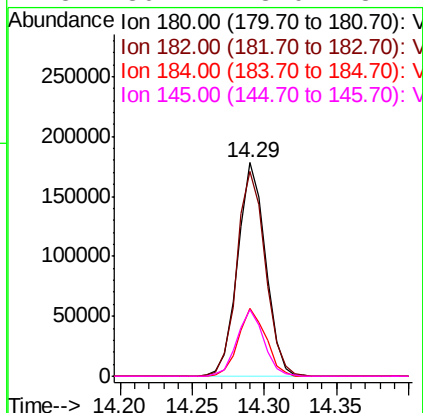
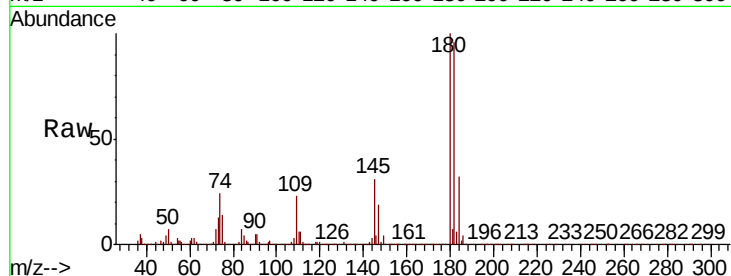




#67
 1,3,5-Trichlorobenzene
 Concen: 4.93 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VR025692.D
 Acq: 12 Sep 2018 13:07

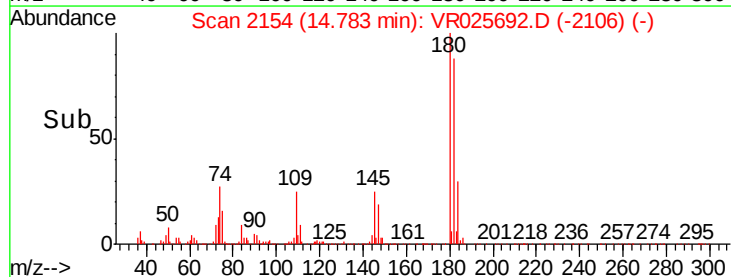
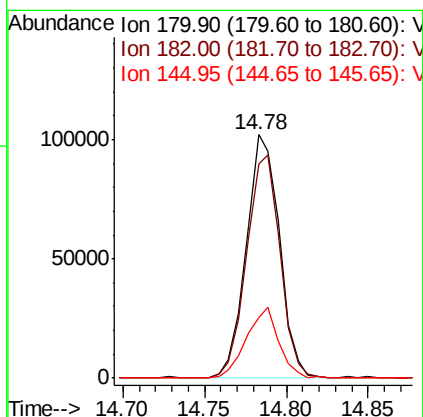
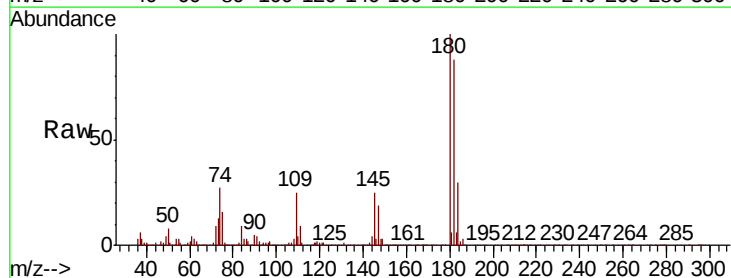
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00597

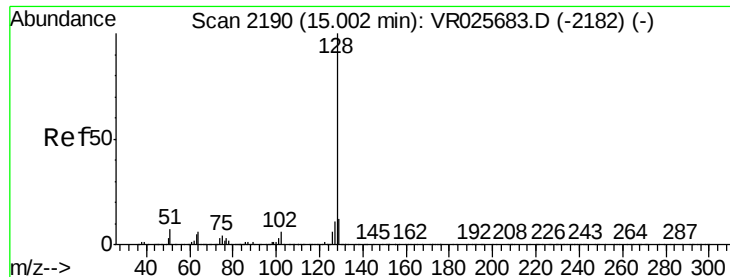
Tot Ion:	180	Resp:	240305
Ion	Ratio	Lower	Upper
180	100		
182	97.9	75.9	113.9
184	31.4	24.0	36.0
145	30.2	23.0	34.4



#68
 1,2,4-trichlorobenzene
 Concen: 4.82 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. -0.01 min
 Lab File: VR025692.D
 Acq: 12 Sep 2018 13:07

Tgt Ion:	180	Resp:	144046
Ion	Ratio	Lower	Upper
180	100		
182	92.9	76.6	115.0
145	28.3	24.8	37.2





#69

Naphthalene

Concen: 4.56 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VR025692.D

Acq: 12 Sep 2018 13:07

Instrument :

MSVOA_R

ClientSampleId :

VSTD00597

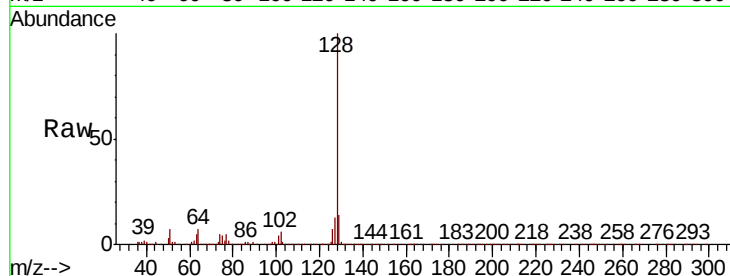
Tot Ion:128 Resp: 152452

Ion Ratio Lower Upper

128 100

127 13.3 10.3 15.5

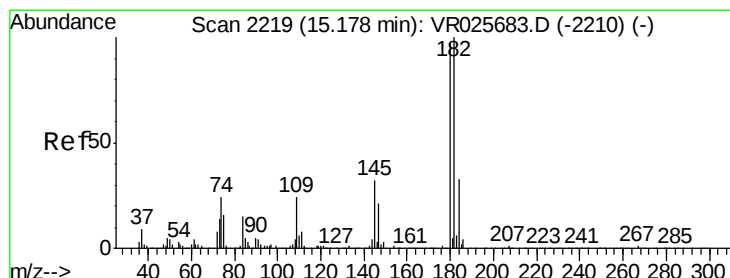
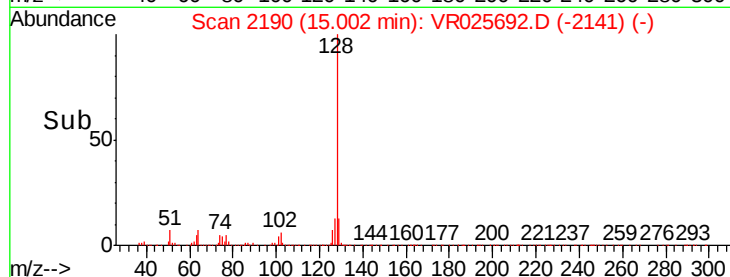
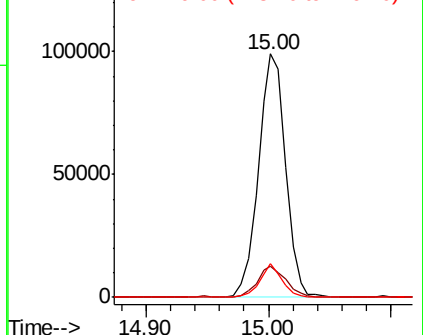
129 11.5 9.0 13.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.18 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VR025692.D

Acq: 12 Sep 2018 13:07

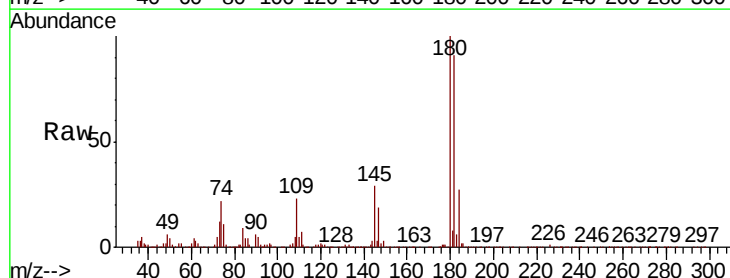
Tgt Ion:180 Resp: 122635

Ion Ratio Lower Upper

180 100

182 96.8 80.2 120.4

145 30.3 25.8 38.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

