

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR080618\
 Data File : VR025555.D
 Acq On : 6 Aug 2018 13:59
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00590

Quant Time: Aug 06 23:36:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR073018WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Aug 01 05:08:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.47	114	606805	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	516183	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	245867	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	147541	3.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.40%
7) Chloroethane-d5	2.63	69	115822	3.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.20%
11) 1,1-Dichloroethene-d2	3.64	63	371321	4.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.60%
20) 2-Butanone-d5	6.60	46	108688	34.97	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	69.94%
24) Chloroform-d	7.21	84	261043	4.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.60%
26) 1,2-Dichloroethane-d4	7.90	65	87685	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.80%
32) Benzene-d6	7.86	84	595081	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.00%
36) 1,2-Dichloropropane-d6	8.90	67	149667	4.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.40%
41) Toluene-d8	9.97	98	584611	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.80%
43) trans-1,3-Dichloropropene-	10.24	79	37561	4.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.80%
46) 2-Hexanone-d5	10.59	63	125885	42.38	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.76%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	72052	4.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.60%
64) 1,2-Dichlorobenzene-d4	13.51	152	155437	4.14	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	184350	5.307 ug/L	96
3) Chloromethane	2.01	50	212676	4.635 ug/L	97
5) Vinyl chloride	2.16	62	214902	4.687 ug/L	96
6) Bromomethane	2.52	94	129137	5.122 ug/L	88
8) Chloroethane	2.66	64	118722	4.662 ug/L	97
9) Trichlorofluoromethane	2.97	101	328795	5.249 ug/L #	18
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	200312	4.950 ug/L	95
12) 1,1-Dichloroethene	3.65	96	213539	4.927 ug/L	94
13) Acetone	3.71	43	85830	32.857 ug/L	96
14) Carbon disulfide	3.96	76	479257	4.774 ug/L #	94
15) Methyl Acetate	4.20	43	24746	3.000 ug/L #	86
16) Methylene chloride	4.41	84	165703	4.527 ug/L	91
17) Methyl tert-butyl Ether	4.90	73	205915	4.733 ug/L	98
18) trans-1,2-Dichloroethene	4.89	96	206446	4.973 ug/L	96
19) 1,1-Dichloroethane	5.70	63	290562	4.784 ug/L	99
21) 2-Butanone	6.69	43	147389	40.612 ug/L	95
22) cis-1,2-Dichloroethene	6.68	96	188666	4.976 ug/L #	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR080618\
 Data File : VR025555.D
 Acq On : 6 Aug 2018 13:59
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00590

Quant Time: Aug 06 23:36:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR073018WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Aug 01 05:08:14 2018
 Response via : Initial Calibration

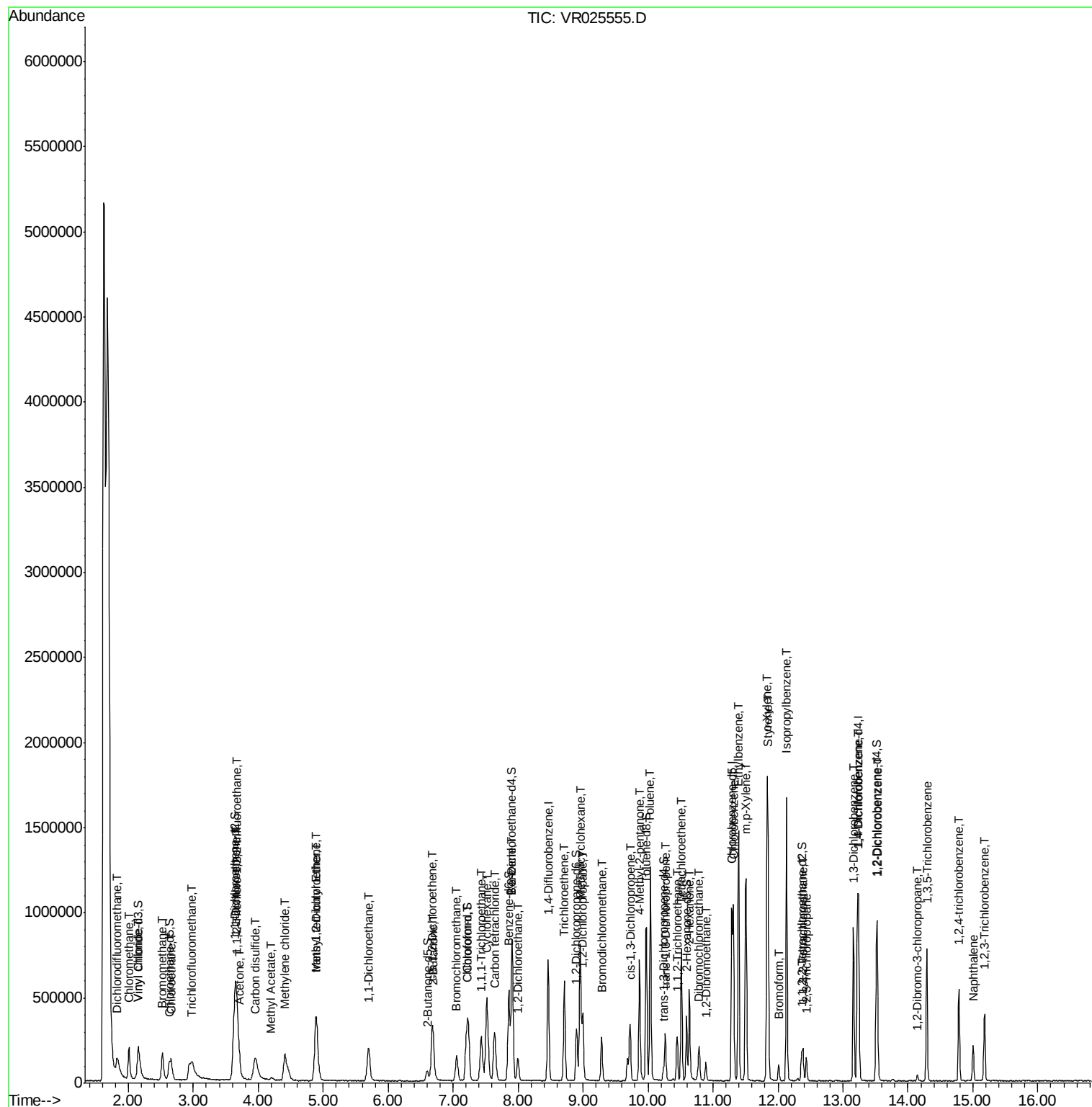
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	60043	4.774	ug/L	90
25) Chloroform	7.23	83	287005	4.773	ug/L	96
27) 1,2-Dichloroethane	7.99	62	108688	4.536	ug/L	97
29) 1,1,1-Trichloroethane	7.44	97	224339	4.907	ug/L	99
30) Cyclohexane	7.52	56	293475	5.573	ug/L	100
31) Carbon tetrachloride	7.64	117	235184	4.984	ug/L	99
33) Benzene	7.91	78	771731	4.840	ug/L	100
34) Trichloroethene	8.71	95	190628	4.807	ug/L	93
35) Methylcyclohexane	8.96	83	332788	5.580	ug/L	99
37) 1,2-Dichloropropane	8.99	63	153756	4.580	ug/L	99
38) Bromodichloromethane	9.29	83	158192	4.613	ug/L #	96
39) cis-1,3-Dichloropropene	9.72	75	188057	5.074	ug/L	99
40) 4-Methyl-2-pentanone	9.87	43	451023	47.682	ug/L	100
42) Toluene	10.03	91	858744	5.057	ug/L	97
44) trans-1,3-Dichloropropene	10.27	75	129120	4.990	ug/L	98
45) 1,1,2-Trichloroethane	10.44	97	77876	4.658	ug/L	99
47) Tetrachloroethene	10.52	164	175522	5.173	ug/L	98
48) 2-Hexanone	10.64	43	315074	49.392	ug/L	98
49) Dibromochloromethane	10.78	129	95341	4.834	ug/L	99
50) 1,2-Dibromoethane	10.89	107	69828	5.007	ug/L	99
51) Chlorobenzene	11.31	112	510103	4.967	ug/L	97
52) Ethylbenzene	11.39	91	958309	5.190	ug/L	100
53) m,p-Xylene	11.51	106	383347	5.366	ug/L	95
54) o-Xylene	11.83	106	350953	5.351	ug/L	99
55) Styrene	11.85	104	566948	5.426	ug/L	99
56) Isopropylbenzene	12.13	105	951014	5.512	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.38	83	79511	5.019	ug/L #	99
59) 1,2,3-Trichloropropane	12.44	75	51578	4.873	ug/L	97
61) Bromoform	12.01	173	41886	4.277	ug/L	99
62) 1,3-Dichlorobenzene	13.16	146	346715	4.877	ug/L	97
63) 1,4-Dichlorobenzene	13.24	146	365995	4.743	ug/L	99
65) 1,2-Dichlorobenzene	13.53	146	287006	4.699	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.15	75	7228	3.824	ug/L #	66
67) 1,3,5-Trichlorobenzene	14.29	180	233427	4.830	ug/L	99
68) 1,2,4-trichlorobenzene	14.79	180	151728	4.886	ug/L	99
69) Naphthalene	15.00	128	157819	4.449	ug/L	97
70) 1,2,3-Trichlorobenzene	15.18	180	123420	5.168	ug/L	98

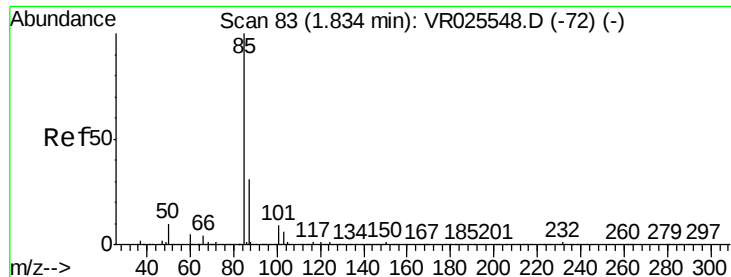
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR080618\
 Data File : VR025555.D
 Acq On : 6 Aug 2018 13:59
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00590

Quant Time: Aug 06 23:36:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR073018WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Aug 01 05:08:14 2018
 Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.307 ug/L

RT: 1.83 min Scan# 82

Delta R.T. -0.01 min

Lab File: VR025555.D

Acq: 6 Aug 2018 13:59

Instrument :

MSVOA_R

ClientSampled :

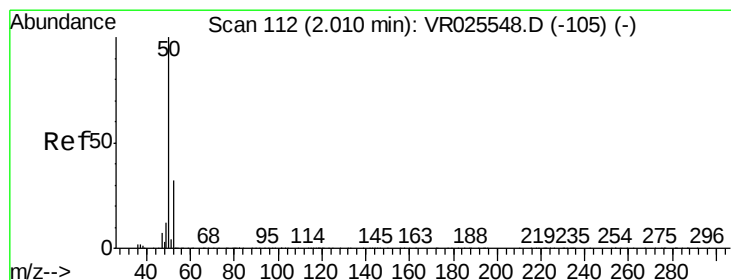
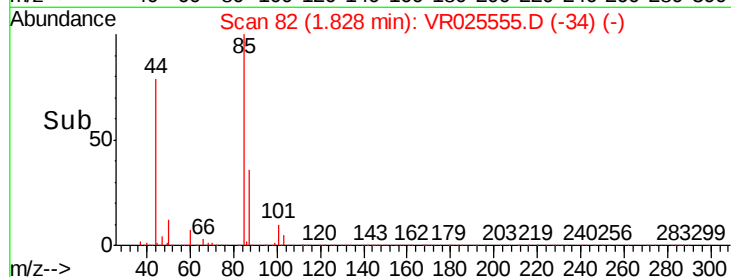
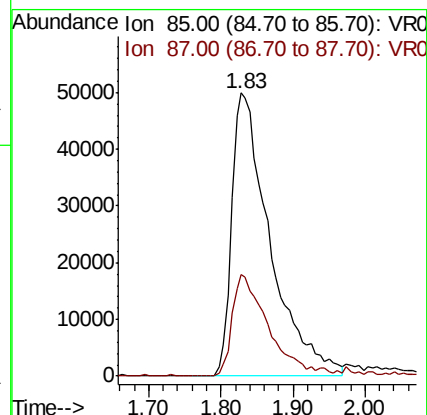
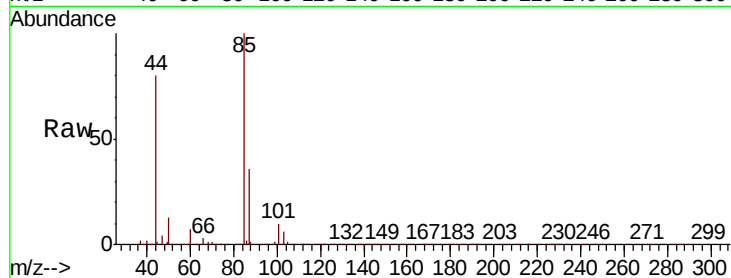
VSTD00590

Tgt Ion: 85 Resp: 184350

Ion Ratio Lower Upper

85 100

87 33.3 25.0 37.6



#3

Chloromethane

Concen: 4.635 ug/L

RT: 2.01 min Scan# 112

Delta R.T. 0.00 min

Lab File: VR025555.D

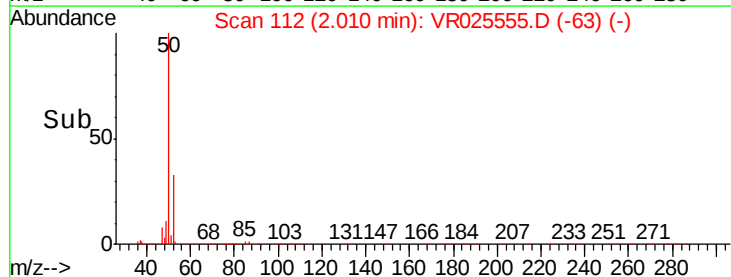
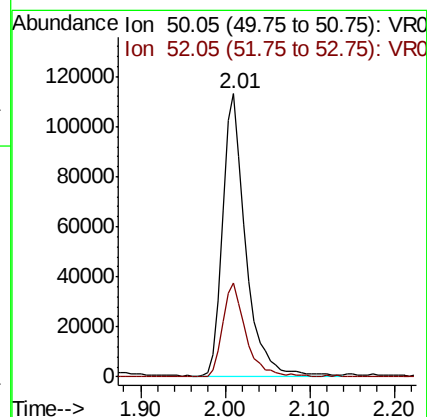
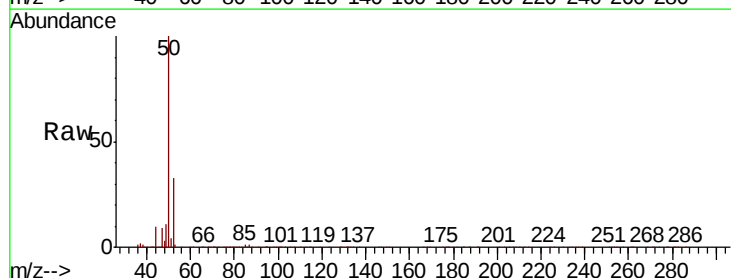
Acq: 6 Aug 2018 13:59

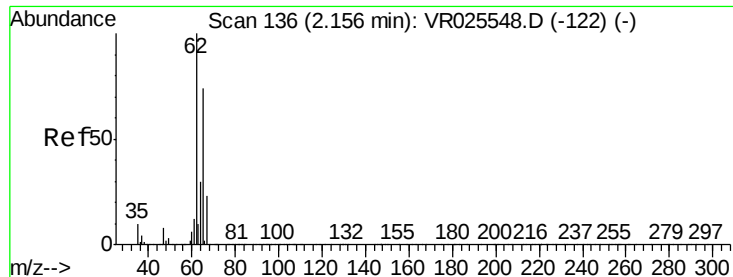
Tgt Ion: 50 Resp: 212676

Ion Ratio Lower Upper

50 100

52 33.4 24.4 45.4





#5

Vinyl chloride

Concen: 4.687 ug/L

RT: 2.16 min Scan# 136

Delta R.T. 0.00 min

Lab File: VR025555.D

Acq: 6 Aug 2018 13:59

Instrument :

MSVOA_R

ClientSampleId :

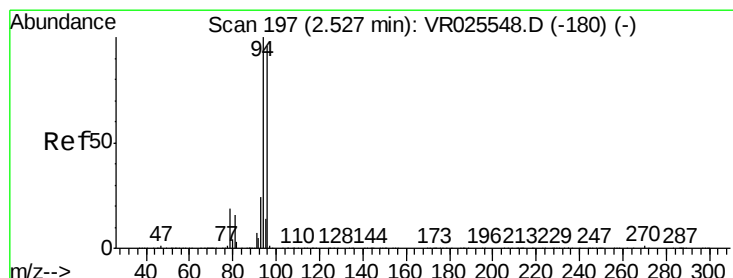
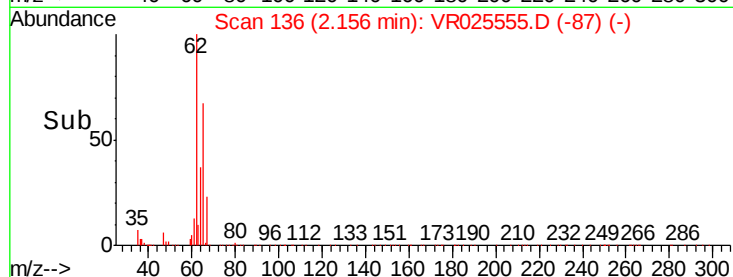
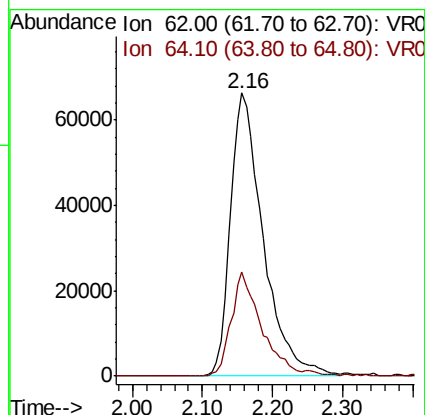
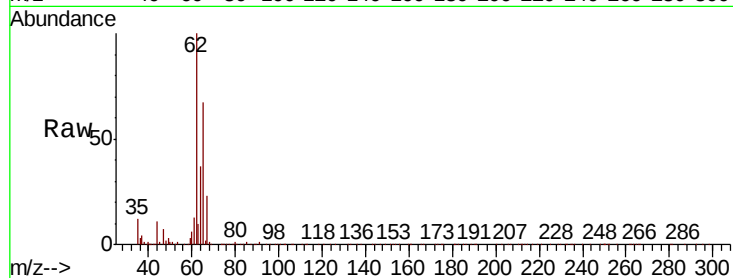
VSTD00590

Tgt Ion: 62 Resp: 214902

Ion Ratio Lower Upper

62 100

64 37.0 24.1 44.8



#6

Bromomethane

Concen: 5.122 ug/L

RT: 2.52 min Scan# 196

Delta R.T. -0.01 min

Lab File: VR025555.D

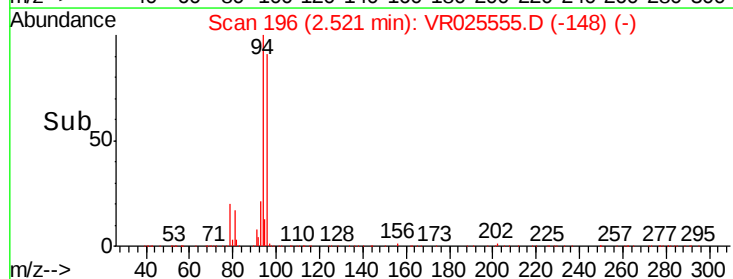
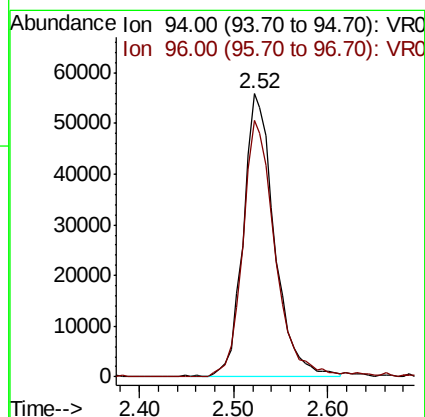
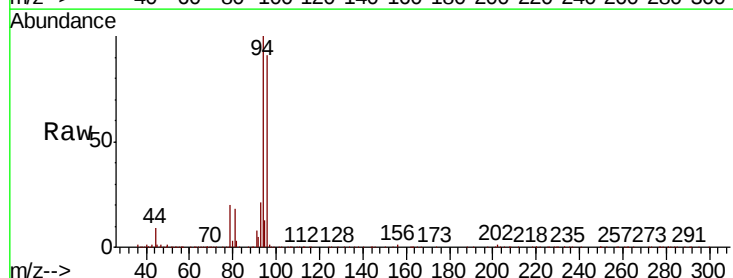
Acq: 6 Aug 2018 13:59

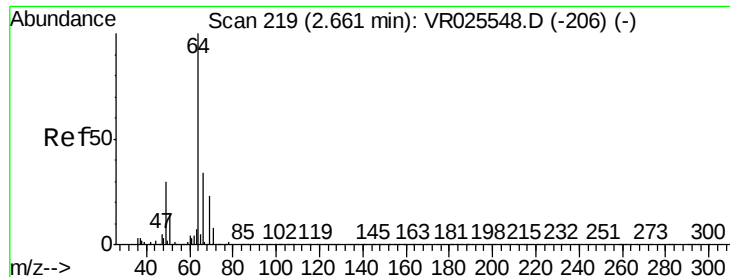
Tgt Ion: 94 Resp: 129137

Ion Ratio Lower Upper

94 100

96 90.7 72.0 133.6

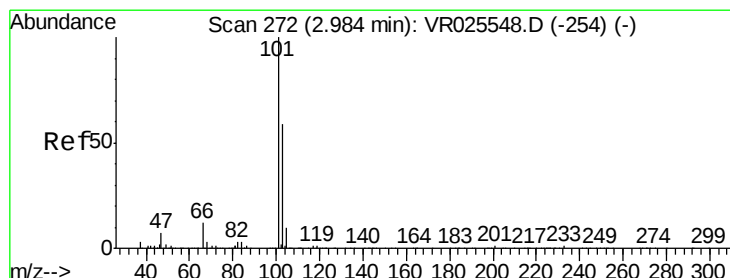
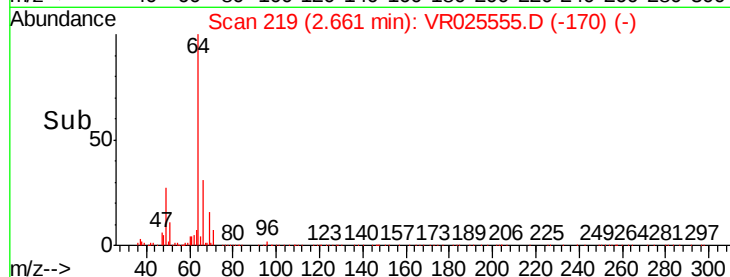
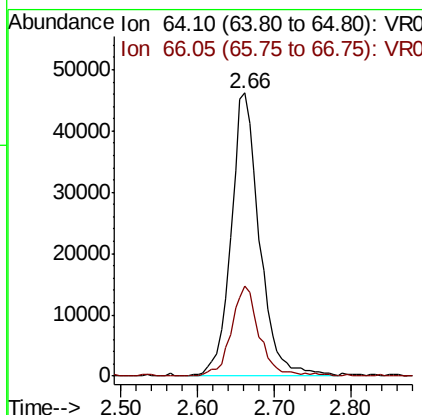
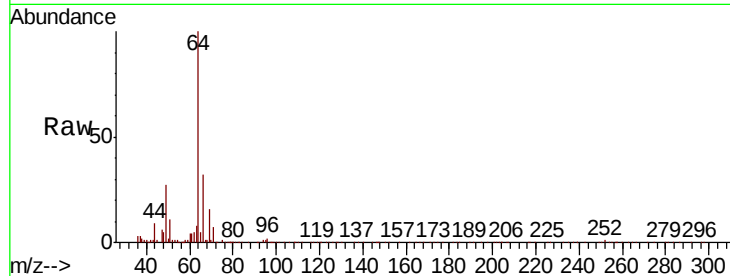




#8
Chloroethane
Concen: 4.662 ug/L
RT: 2.66 min Scan# 219
Delta R.T. 0.00 min
Lab File: VR025555.D
Acq: 6 Aug 2018 13:59

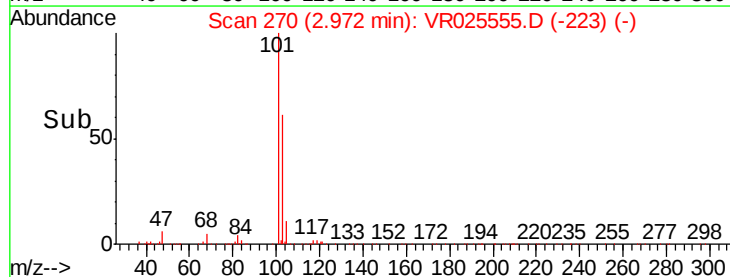
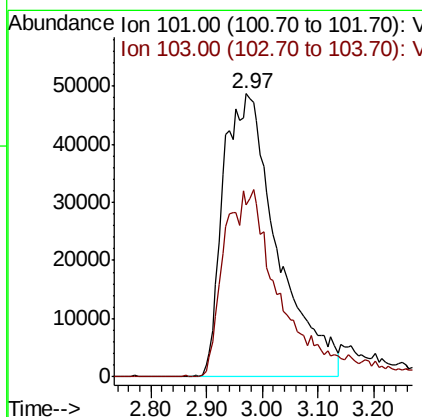
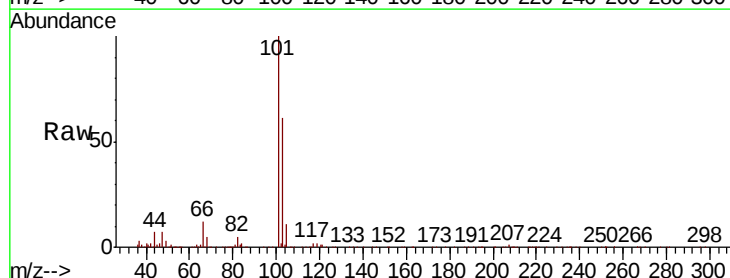
Instrument :
MSVOA_R
ClientSampleId :
VSTD00590

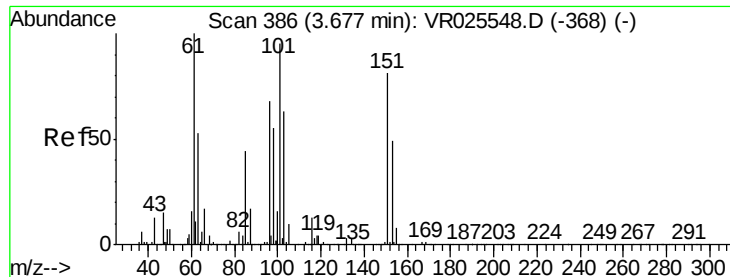
Tgt Ion: 64 Resp: 118722
Ion Ratio Lower Upper
64 100
66 31.7 20.9 38.9



#9
Trichlorofluoromethane
Concen: 5.249 ug/L
RT: 2.97 min Scan# 270
Delta R.T. -0.01 min
Lab File: VR025555.D
Acq: 6 Aug 2018 13:59

Tgt Ion: 101 Resp: 328795
Ion Ratio Lower Upper
101 100
103 65.8 19.8 29.6#





#10

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

Concen: 4.950 ug/L

RT: 3.68 min Scan# 386

Delta R.T. 0.00 min

Lab File: VR025555.D

Acq: 6 Aug 2018 13:59

Instrument :

MSVOA_R

ClientSampleId :

VSTD00590

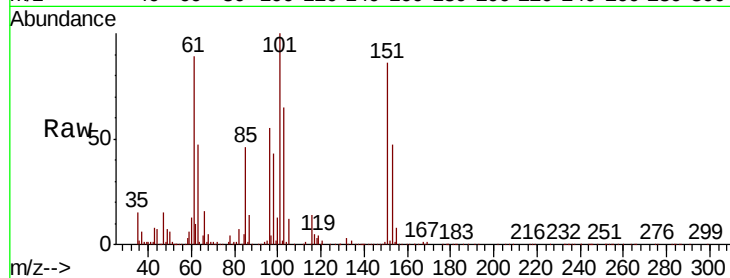
Tgt Ion: 101 Resp: 200312

Ion Ratio Lower Upper

101 100

85 45.3 37.4 56.0

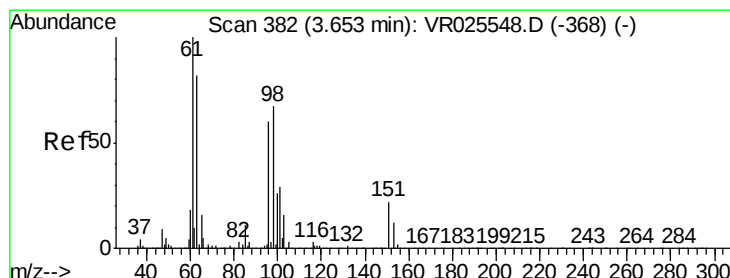
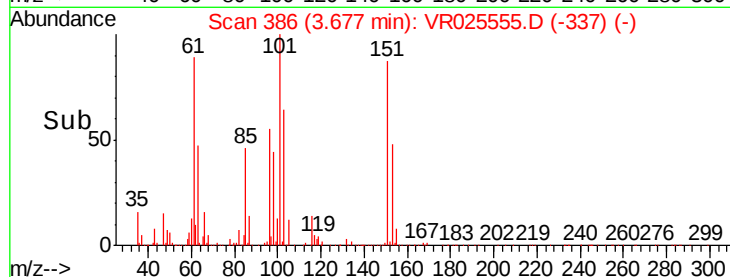
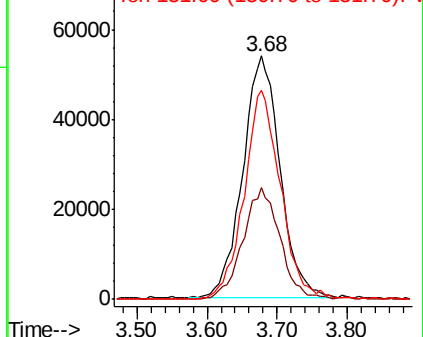
151 83.8 61.9 92.9



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: 4.927 ug/L

RT: 3.65 min Scan# 381

Delta R.T. -0.01 min

Lab File: VR025555.D

Acq: 6 Aug 2018 13:59

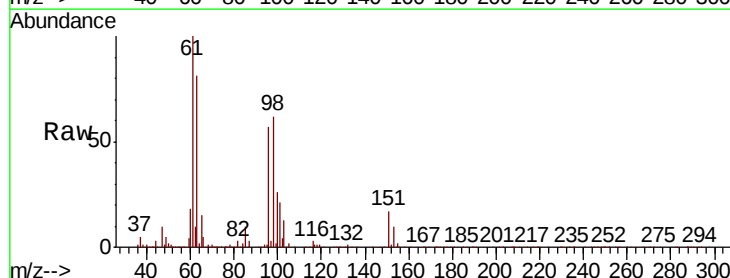
Tgt Ion: 96 Resp: 213539

Ion Ratio Lower Upper

96 100

61 175.3 124.3 230.8

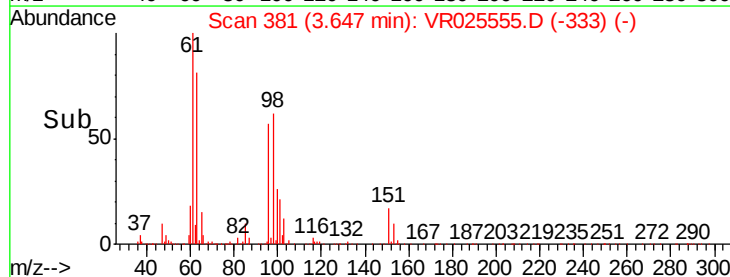
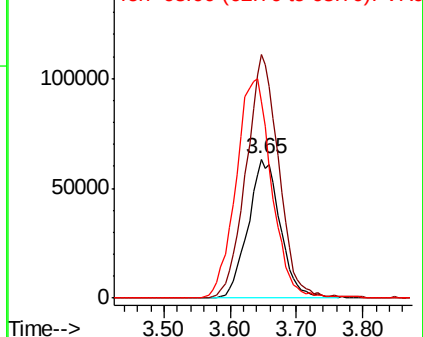
63 141.3 108.1 200.7

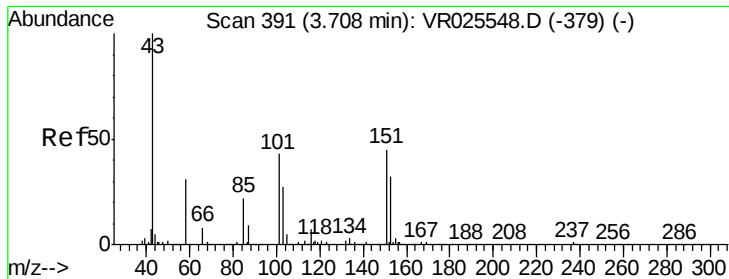


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 32.857 ug/L

RT: 3.71 min Scan# 392

Delta R.T. 0.01 min

Lab File: VR025555.D

Acq: 6 Aug 2018 13:59

Instrument :

MSVOA_R

ClientSampleId :

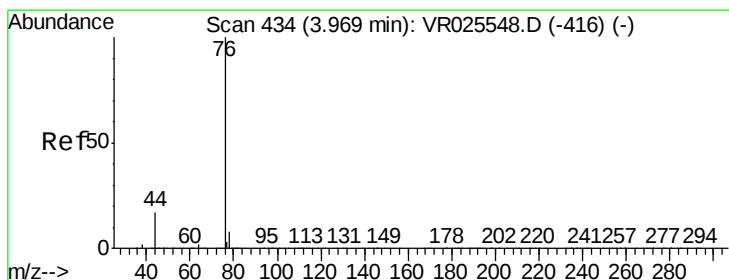
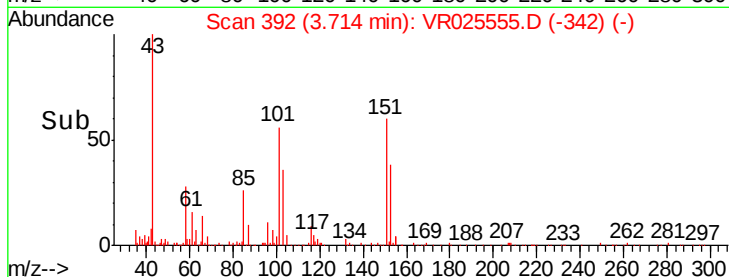
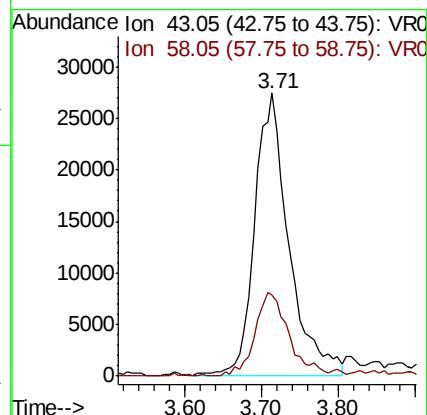
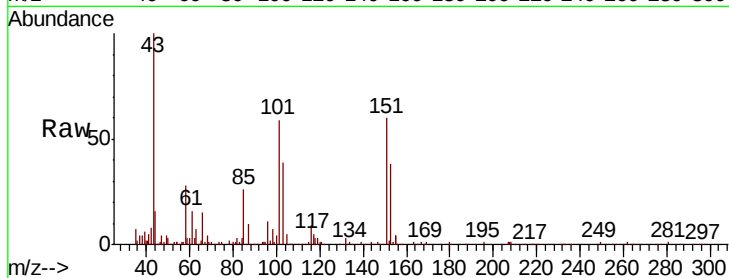
VSTD00590

Tgt Ion: 43 Resp: 85830

Ion Ratio Lower Upper

43 100

58 29.0 0.0 53.4



#14

Carbon disulfide

Concen: 4.774 ug/L

RT: 3.96 min Scan# 432

Delta R.T. -0.01 min

Lab File: VR025555.D

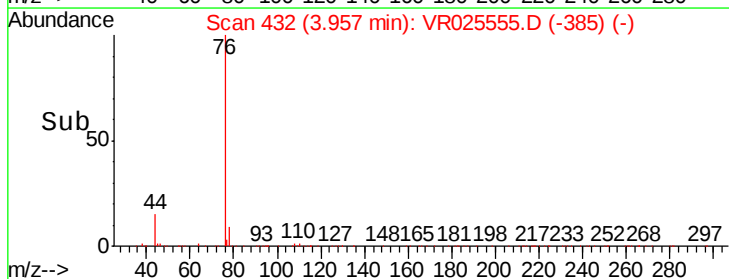
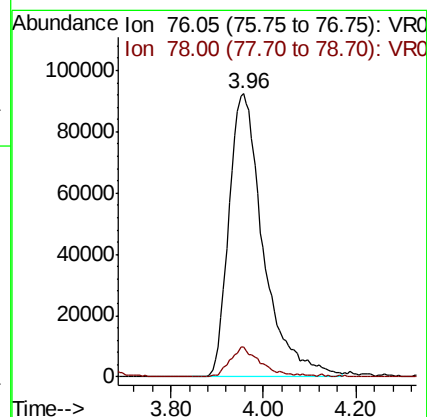
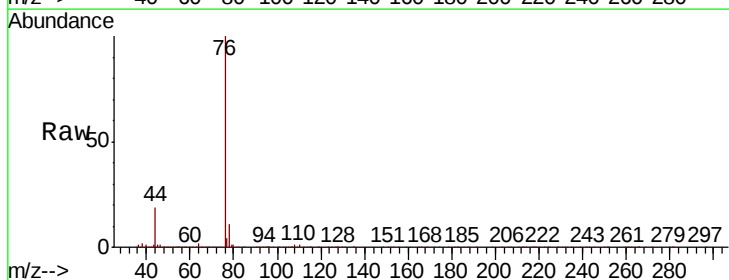
Acq: 6 Aug 2018 13:59

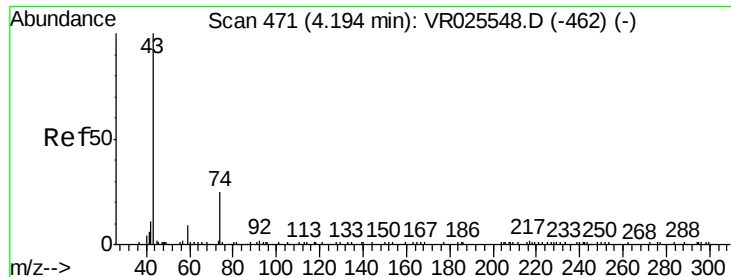
Tgt Ion: 76 Resp: 479257

Ion Ratio Lower Upper

76 100

78 10.8 6.8 10.2#

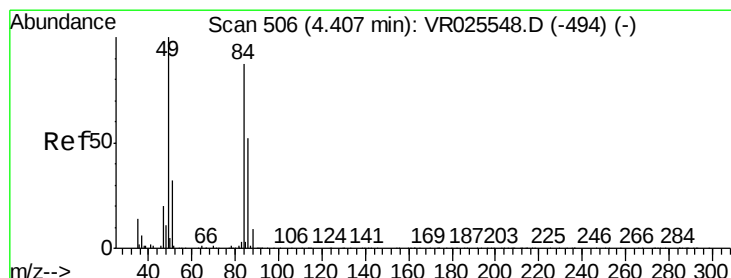
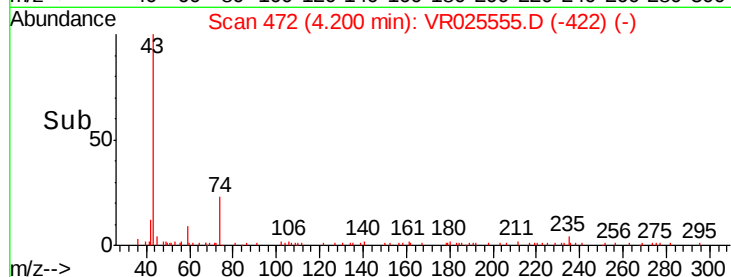
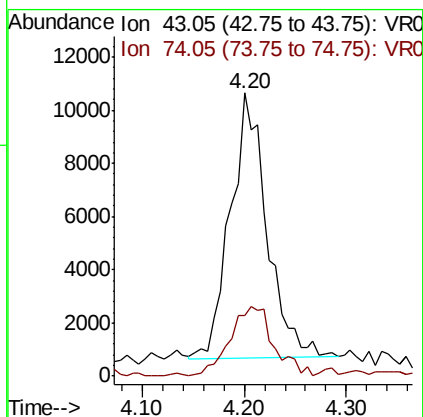
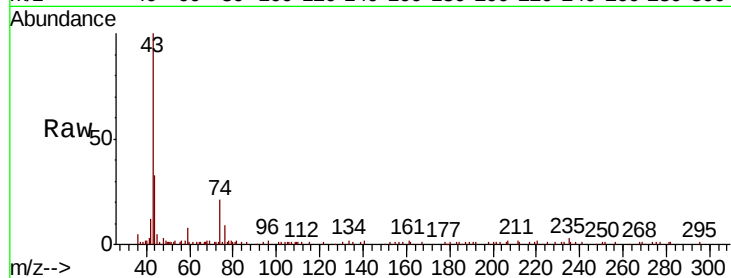




#15
Methyl Acetate
Concen: 3.000 ug/L
RT: 4.20 min Scan# 472
Delta R.T. 0.01 min
Lab File: VR025555.D
Acq: 6 Aug 2018 13:59

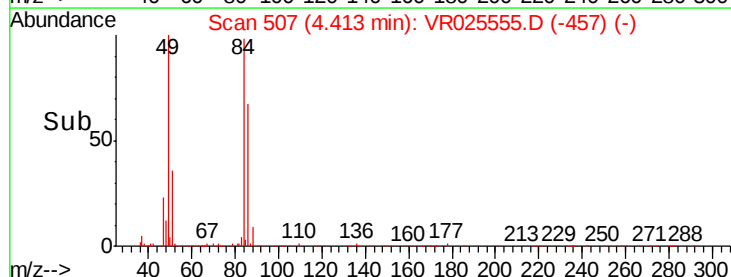
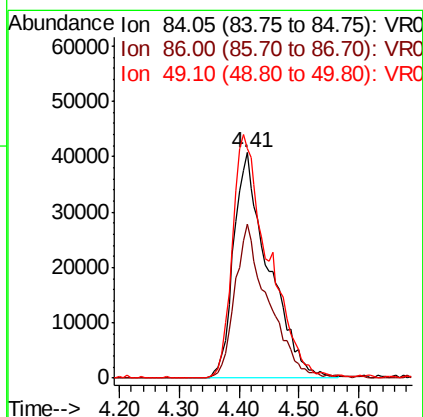
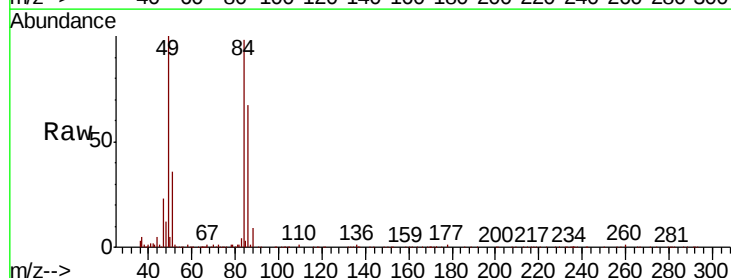
Instrument :
MSVOA_R
ClientSampleId :
VSTD00590

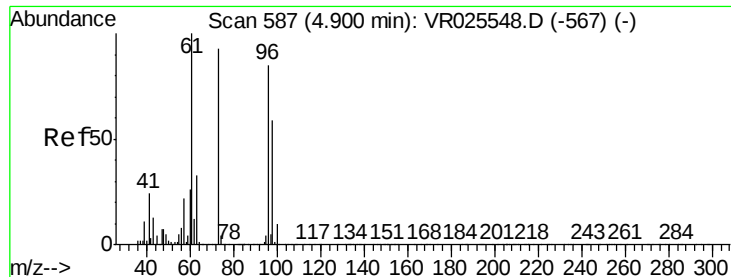
Tgt Ion: 43 Resp: 24746
Ion Ratio Lower Upper
43 100
74 31.5 19.8 29.6#



#16
Methylene chloride
Concen: 4.527 ug/L
RT: 4.41 min Scan# 507
Delta R.T. 0.01 min
Lab File: VR025555.D
Acq: 6 Aug 2018 13:59

Tgt Ion: 84 Resp: 165703
Ion Ratio Lower Upper
84 100
86 68.3 40.4 75.0
49 101.7 76.2 141.4

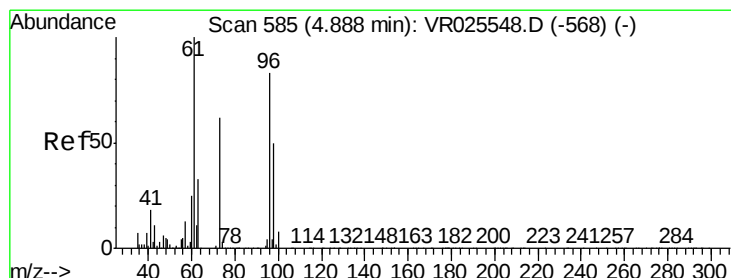
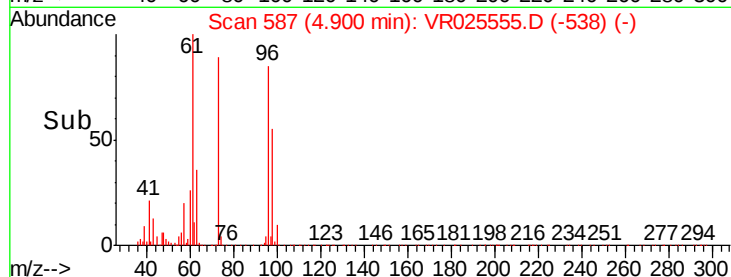
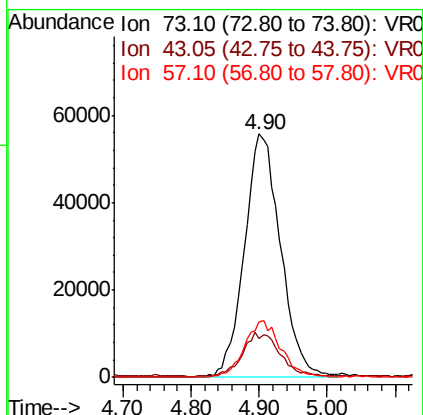
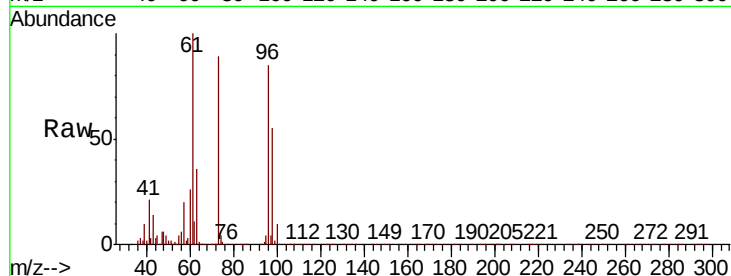




#17
Methyl tert-butyl Ether
Concen: 4.733 ug/L
RT: 4.90 min Scan# 587
Delta R.T. 0.00 min
Lab File: VR025555.D
Acq: 6 Aug 2018 13:59

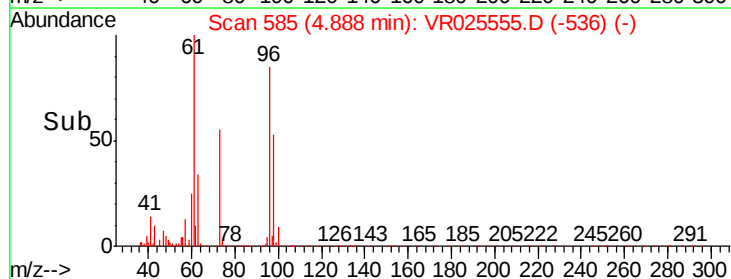
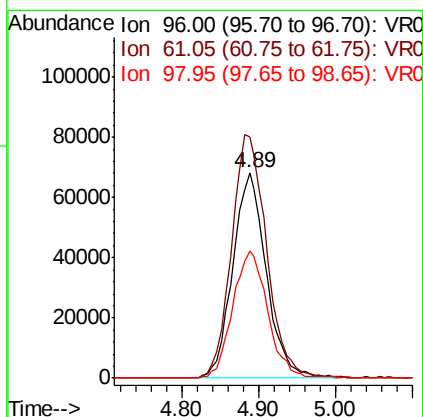
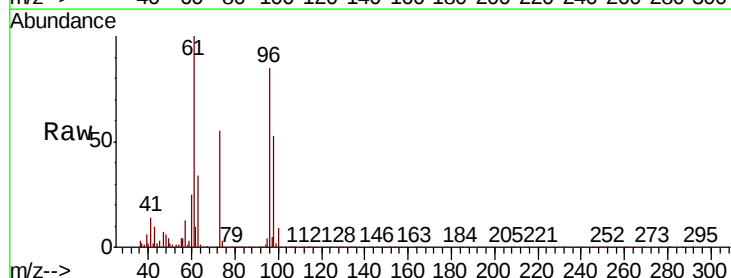
Instrument :
MSVOA_R
ClientSampleId :
VSTD00590

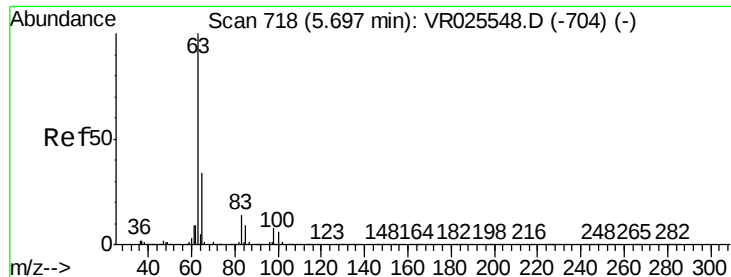
Tgt Ion	Ratio	Lower	Upper
73	100		
43	18.7	14.2	21.4
57	23.1	17.6	26.4



#18
trans-1,2-Dichloroethene
Concen: 4.973 ug/L
RT: 4.89 min Scan# 585
Delta R.T. 0.00 min
Lab File: VR025555.D
Acq: 6 Aug 2018 13:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	117.3	85.5	158.9
98	62.0	42.1	78.1

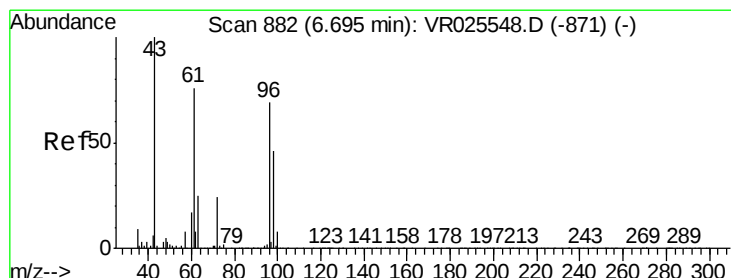
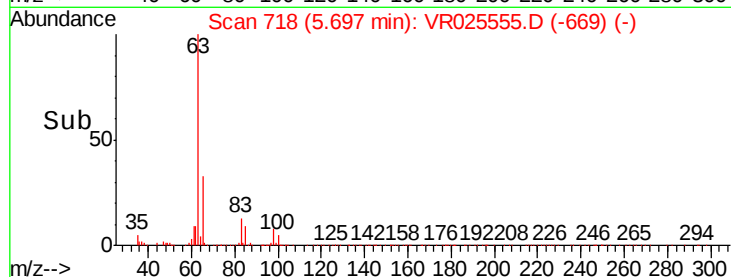
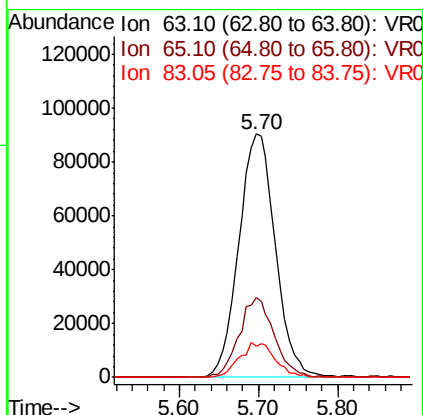
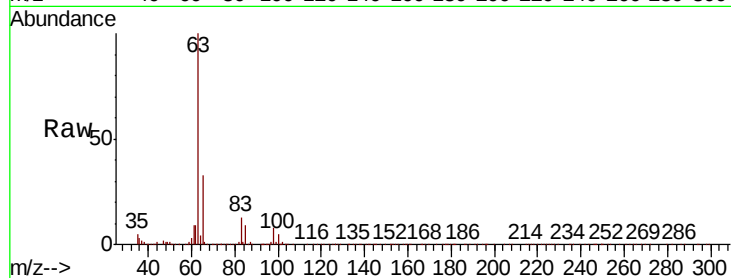




#19
 1,1-Dichloroethane
 Concen: 4.784 ug/L
 RT: 5.70 min Scan# 718
 Delta R.T. 0.00 min
 Lab File: VR025555.D
 Acq: 6 Aug 2018 13:59

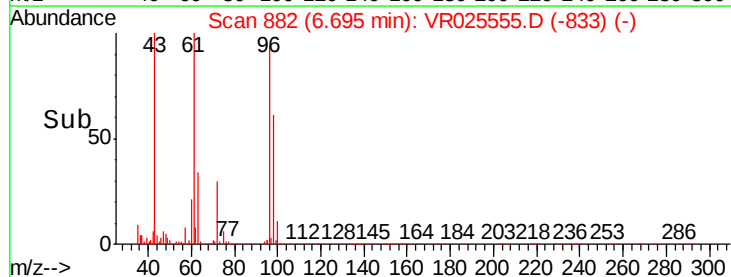
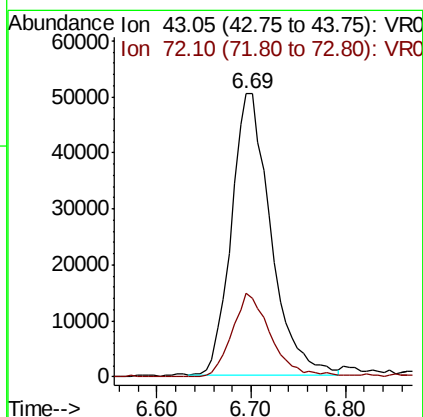
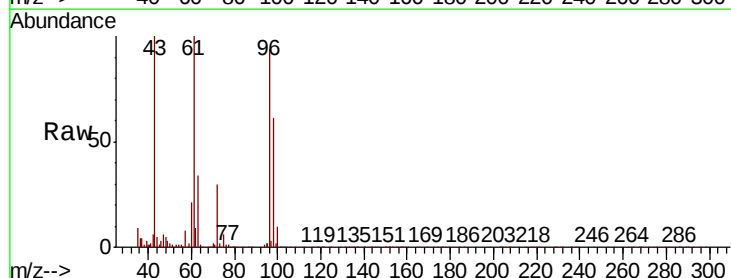
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00590

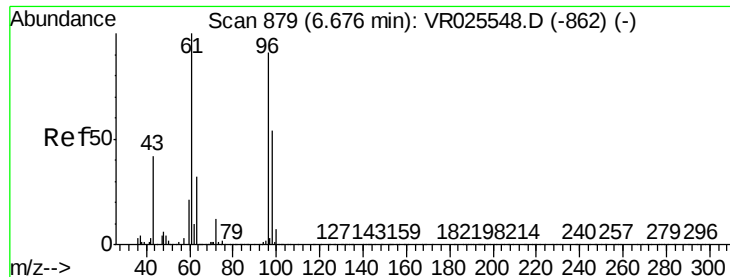
Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.6	23.5	43.7
83	13.0	9.1	16.9



#21
 2-Butanone
 Concen: 40.612 ug/L
 RT: 6.69 min Scan# 882
 Delta R.T. 0.00 min
 Lab File: VR025555.D
 Acq: 6 Aug 2018 13:59

Tgt Ion	Ratio	Lower	Upper
43	100		
72	29.0	13.2	39.6



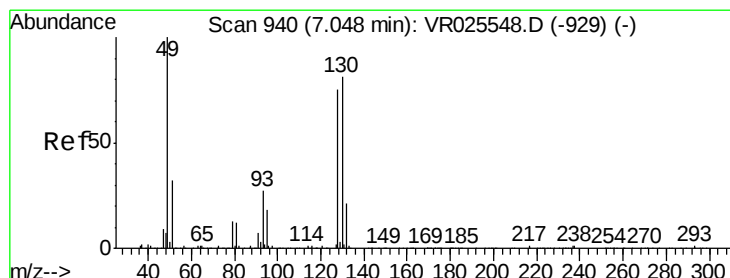
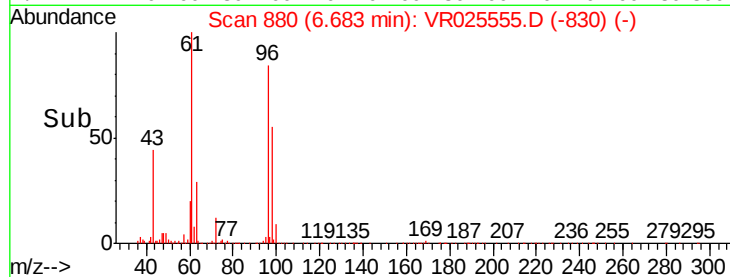
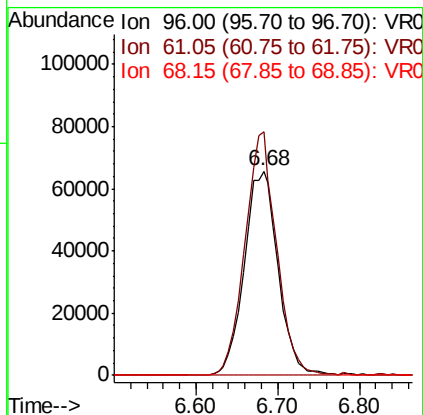
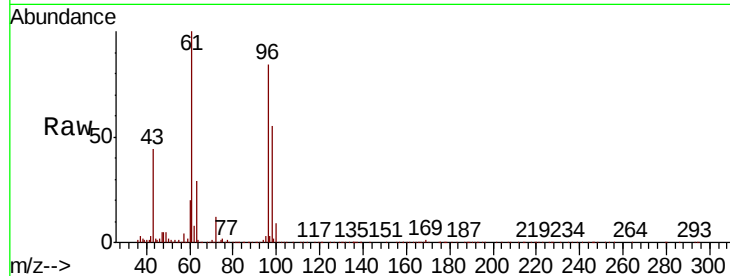


#22

cis-1,2-Dichloroethene
 Concen: 4.976 ug/L
 RT: 6.68 min Scan# 880
 Delta R.T. 0.01 min
 Lab File: VR025555.D
 Acq: 6 Aug 2018 13:59

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00590

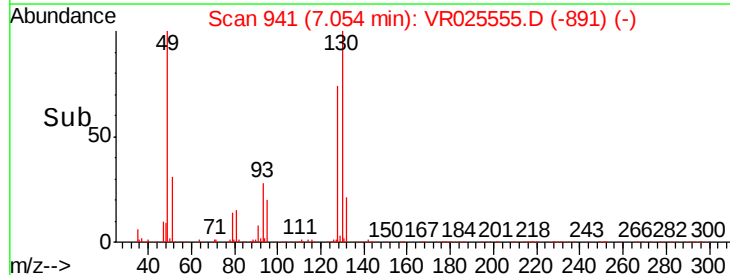
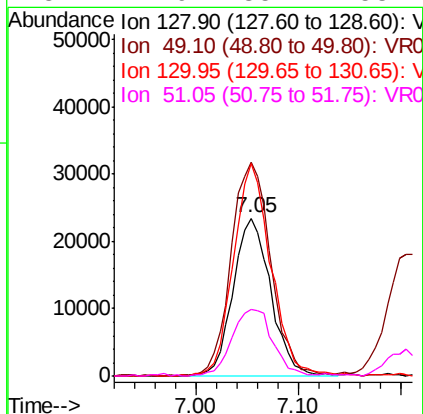
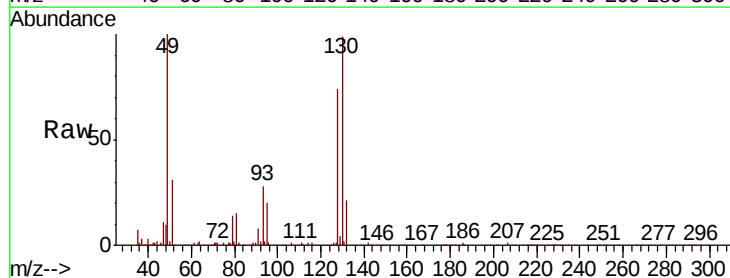
Tgt Ion	Ratio	Lower	Upper
96	100		
61	119.2	77.7	144.3
68	0.1	0.0	0.0#

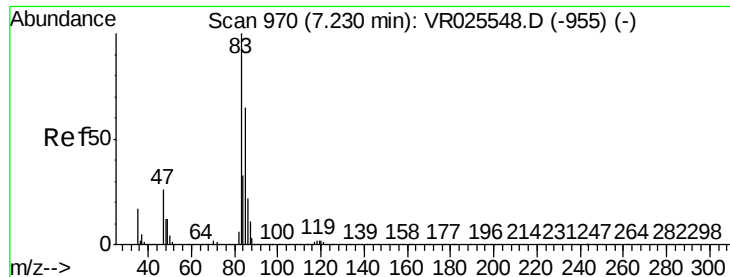


#23

Bromochloromethane
 Concen: 4.774 ug/L
 RT: 7.05 min Scan# 941
 Delta R.T. 0.01 min
 Lab File: VR025555.D
 Acq: 6 Aug 2018 13:59

Tgt Ion	Ratio	Lower	Upper
128	100		
49	135.4	103.3	191.9
130	134.6	84.9	157.7
51	41.9	35.4	53.2





#25

Chloroform

Concen: 4.773 ug/L

RT: 7.23 min Scan# 970

Delta R.T. 0.00 min

Lab File: VR025555.D

Acq: 6 Aug 2018 13:59

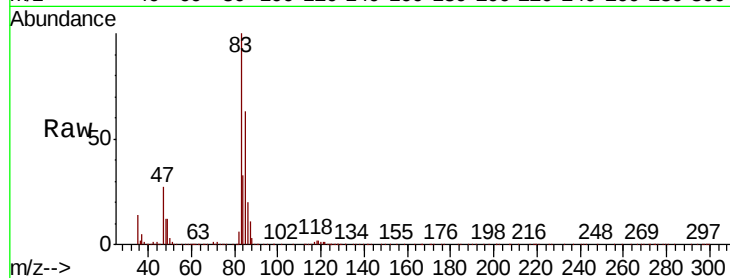
Instrument :
MSVOA_R
ClientSampleId :
VSTD00590

Tgt Ion: 83 Resp: 287005

Ion Ratio Lower Upper

83 100

85 63.4 46.5 86.3



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0

7.23

120000

100000

80000

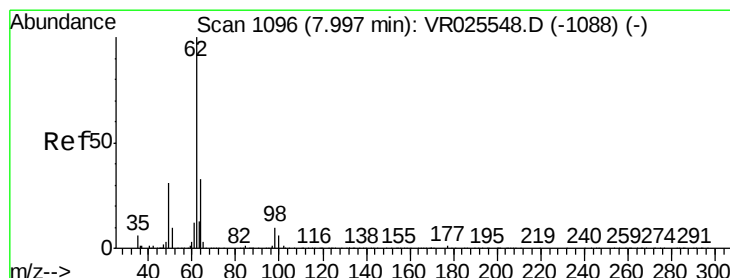
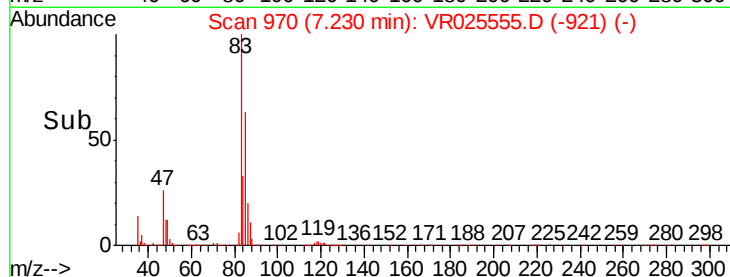
60000

40000

20000

0

Time--> 7.10 7.20 7.30



#27

1,2-Dichloroethane

Concen: 4.536 ug/L

RT: 7.99 min Scan# 1095

Delta R.T. -0.01 min

Lab File: VR025555.D

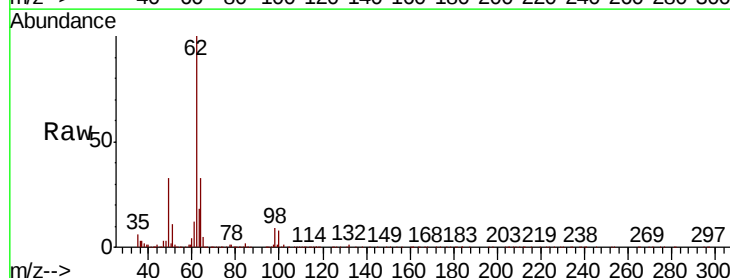
Acq: 6 Aug 2018 13:59

Tgt Ion: 62 Resp: 108688

Ion Ratio Lower Upper

62 100

98 9.4 6.6 9.8



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 98.05 (97.75 to 98.75): VR0

7.99

50000

40000

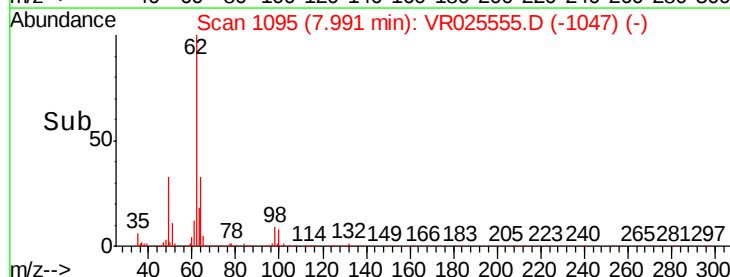
30000

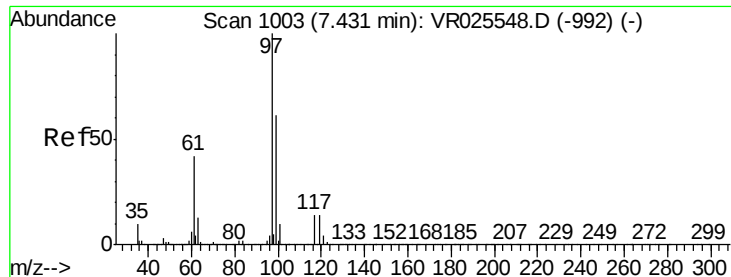
20000

10000

0

Time--> 7.90 8.00 8.10

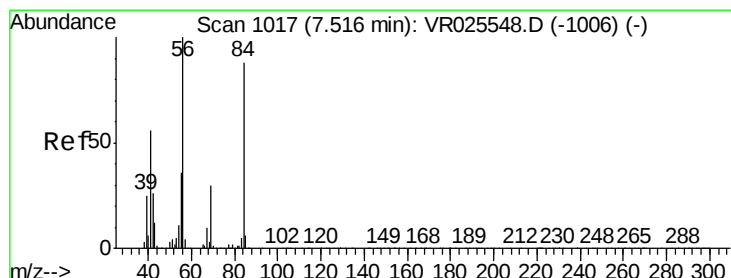
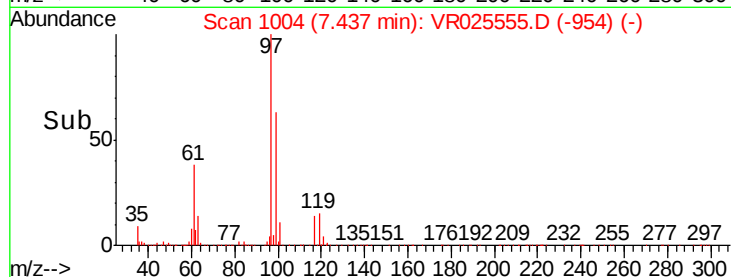
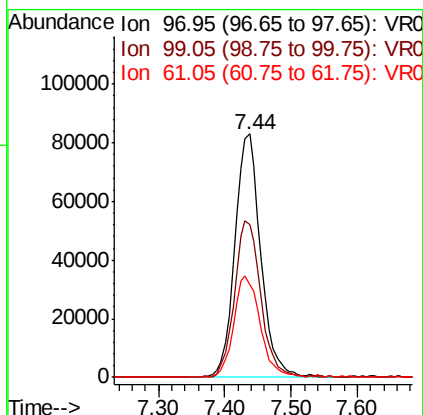
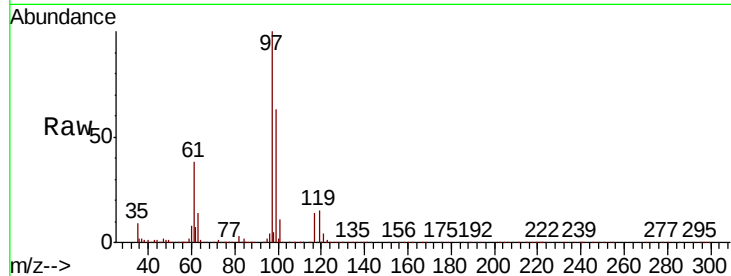




#29
 1,1,1-Trichloroethane
 Concen: 4.907 ug/L
 RT: 7.44 min Scan# 1004
 Delta R.T. 0.01 min
 Lab File: VR025555.D
 Acq: 6 Aug 2018 13:59

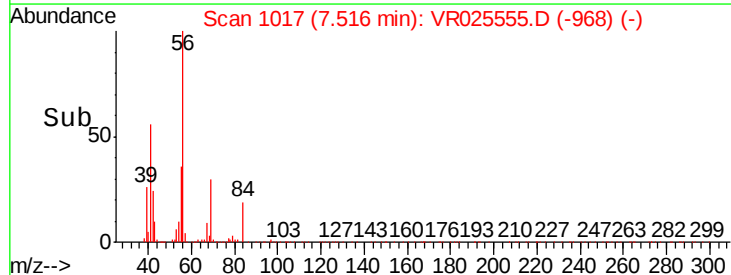
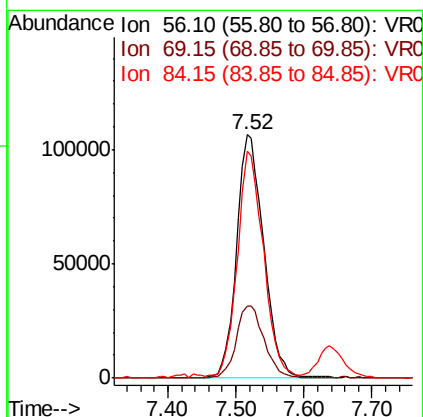
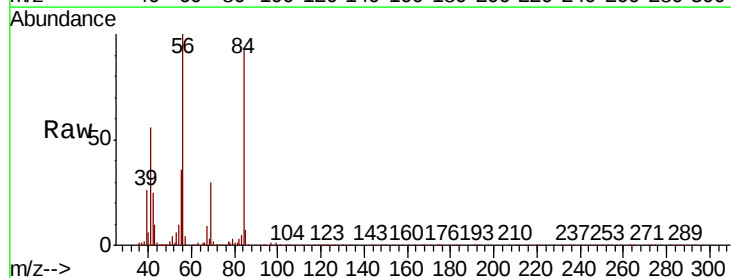
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00590

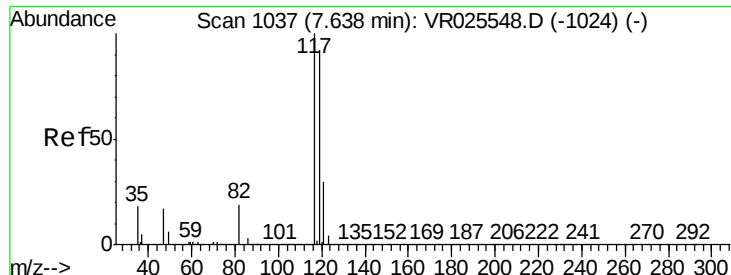
Tgt Ion: 97 Resp: 224339
 Ion Ratio Lower Upper
 97 100
 99 65.1 52.1 78.1
 61 42.7 35.3 52.9



#30
 Cyclohexane
 Concen: 5.573 ug/L
 RT: 7.52 min Scan# 1017
 Delta R.T. 0.00 min
 Lab File: VR025555.D
 Acq: 6 Aug 2018 13:59

Tgt Ion: 56 Resp: 293475
 Ion Ratio Lower Upper
 56 100
 69 30.7 24.6 36.8
 84 88.8 71.3 106.9

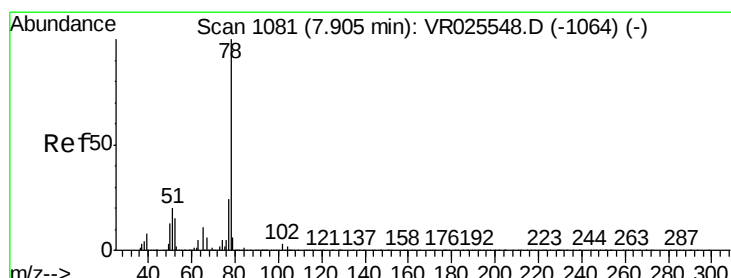
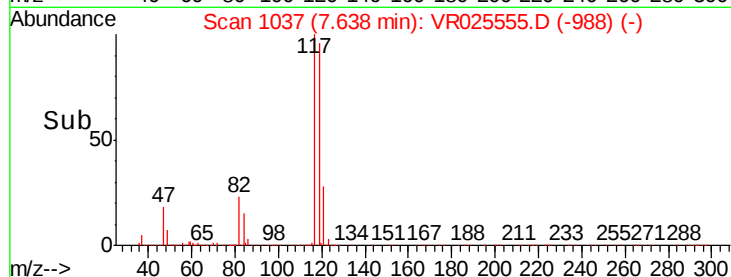
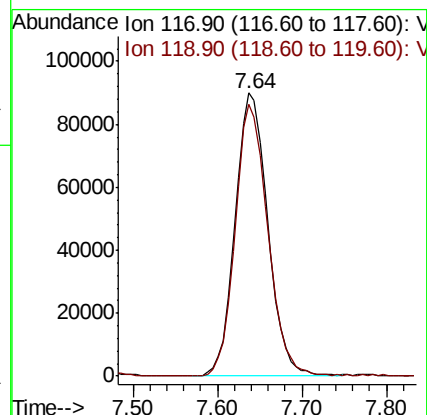
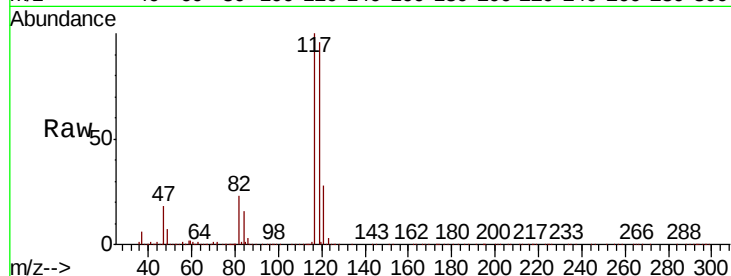




#31
Carbon tetrachloride
Concen: 4.984 ug/L
RT: 7.64 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VR025555.D
Acq: 6 Aug 2018 13:59

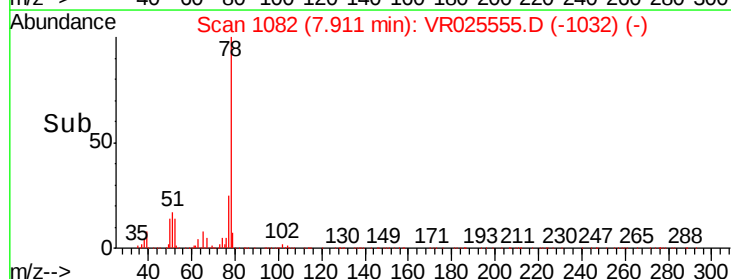
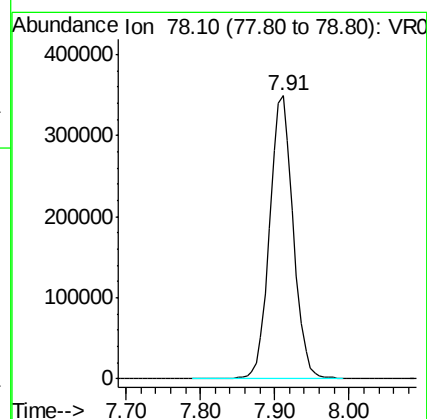
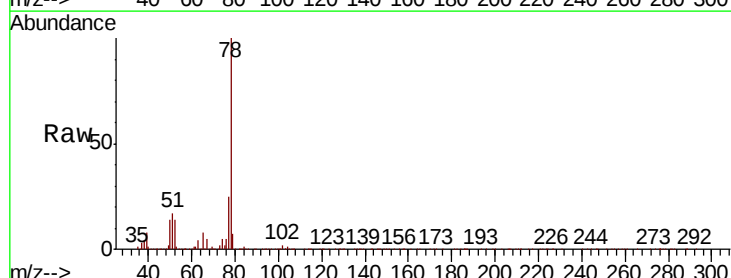
Instrument :
MSVOA_R
ClientSampleId :
VSTD00590

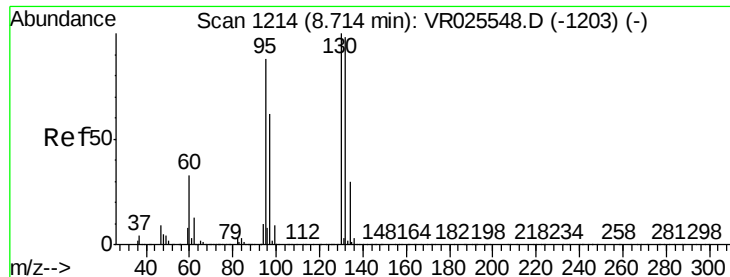
Tgt Ion:117 Resp: 235184
Ion Ratio Lower Upper
117 100
119 95.7 77.4 116.2



#33
Benzene
Concen: 4.840 ug/L
RT: 7.91 min Scan# 1082
Delta R.T. 0.01 min
Lab File: VR025555.D
Acq: 6 Aug 2018 13:59

Tgt Ion: 78 Resp: 771731





#34

Trichloroethene

Concen: 4.807 ug/L

RT: 8.71 min Scan# 1214

Delta R.T. 0.00 min

Lab File: VR025555.D

Acq: 6 Aug 2018 13:59

Instrument :

MSVOA_R

ClientSampleId :

VSTD00590

Tgt Ion: 95 Resp: 190628

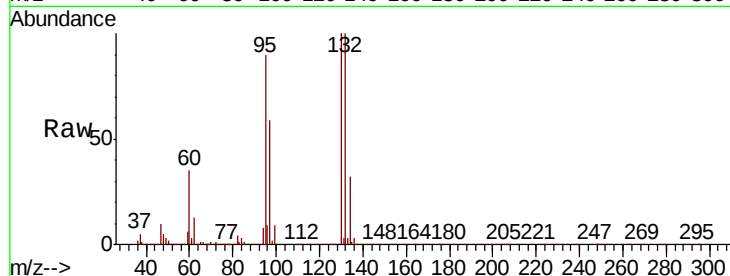
Ion Ratio Lower Upper

95 100

97 65.8 46.7 86.7

132 111.4 71.7 133.1

130 111.5 71.3 132.3

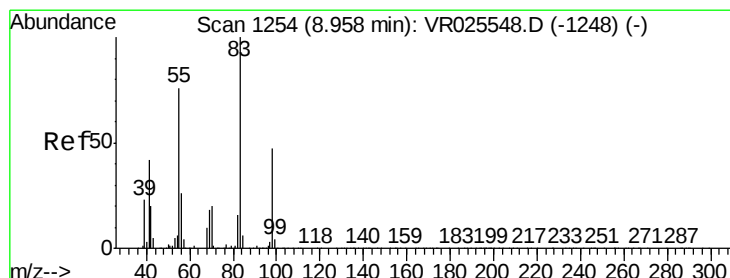
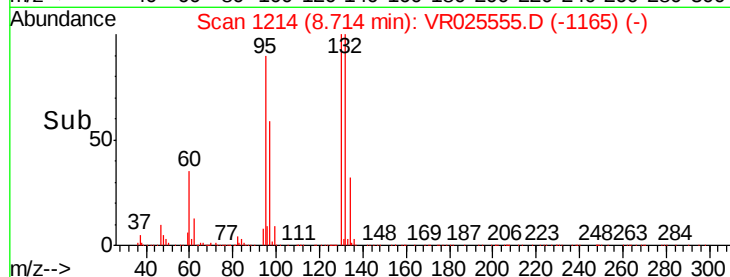
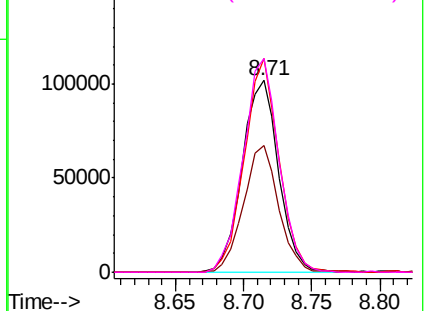


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 5.580 ug/L

RT: 8.96 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VR025555.D

Acq: 6 Aug 2018 13:59

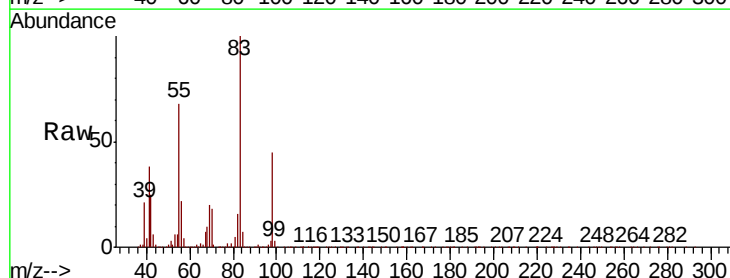
Tgt Ion: 83 Resp: 332788

Ion Ratio Lower Upper

83 100

55 71.2 58.3 87.5

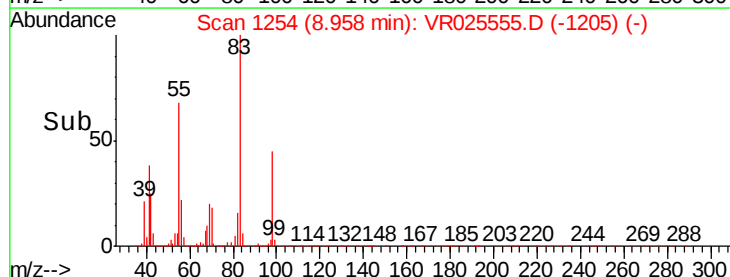
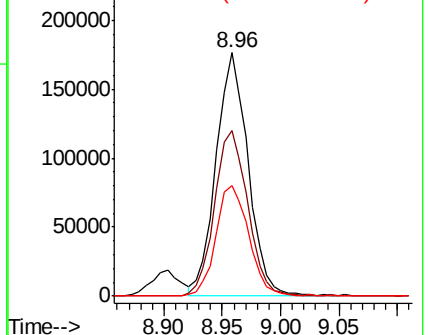
98 47.2 37.8 56.6

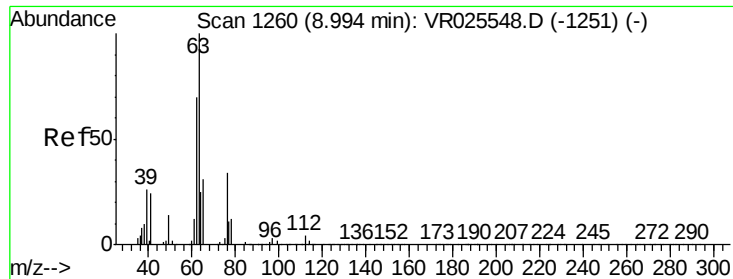


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

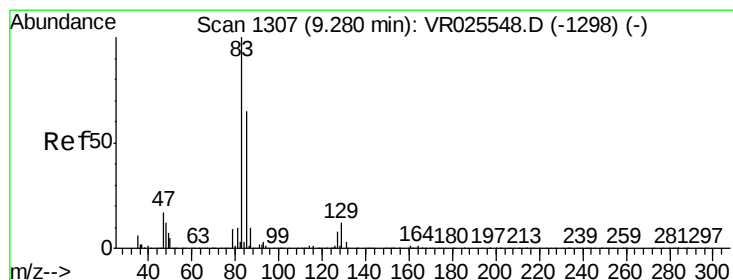
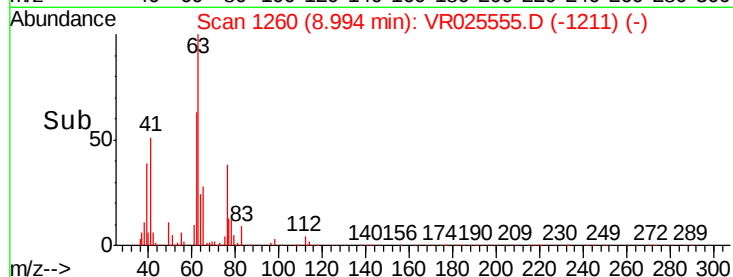
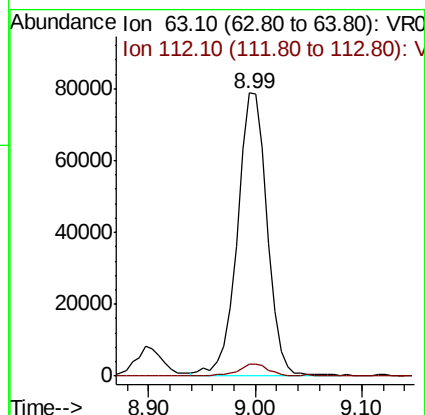
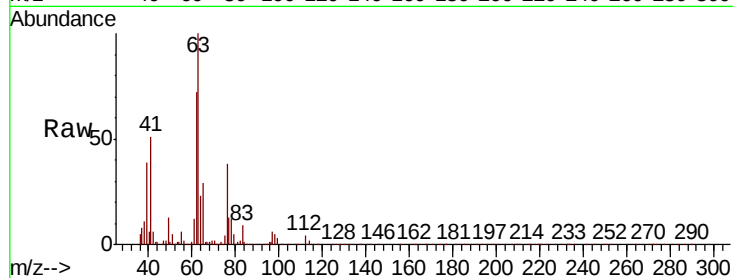




#37
 1,2-Dichloropropane
 Concen: 4.580 ug/L
 RT: 8.99 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VR025555.D
 Acq: 6 Aug 2018 13:59

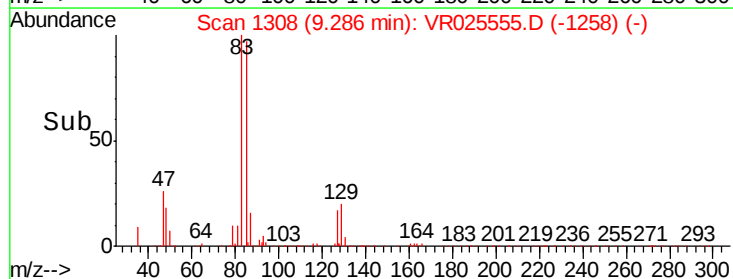
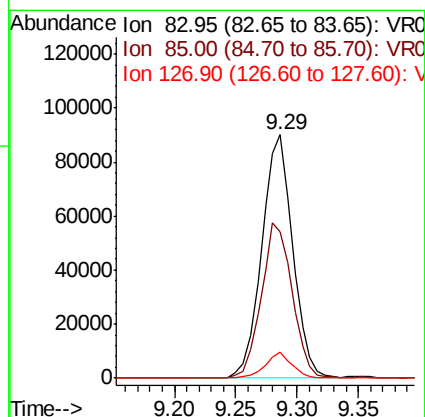
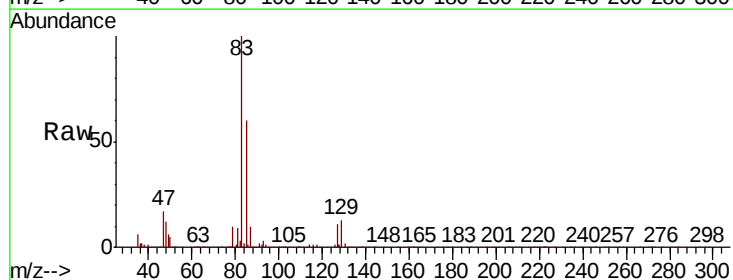
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00590

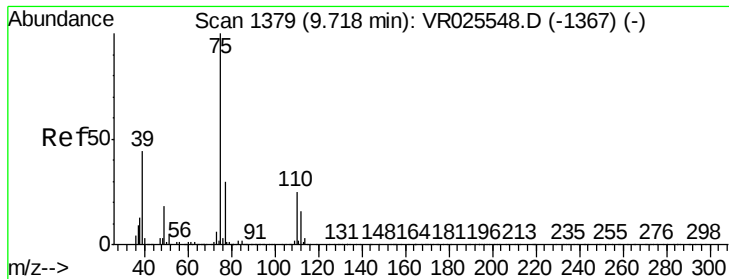
Tgt Ion: 63 Resp: 153756
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.3 4.9



#38
 Bromodichloromethane
 Concen: 4.613 ug/L
 RT: 9.29 min Scan# 1308
 Delta R.T. 0.01 min
 Lab File: VR025555.D
 Acq: 6 Aug 2018 13:59

Tgt Ion: 83 Resp: 158192
 Ion Ratio Lower Upper
 83 100
 85 60.0 44.0 81.6
 127 10.6 6.7 10.1#



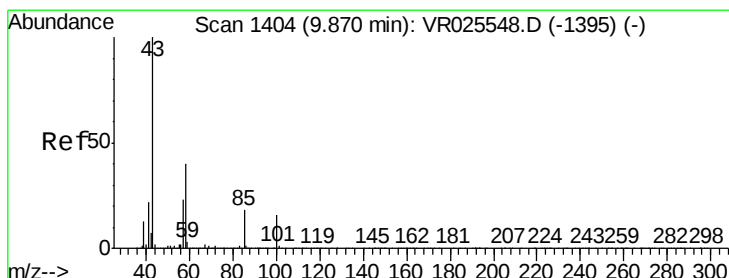
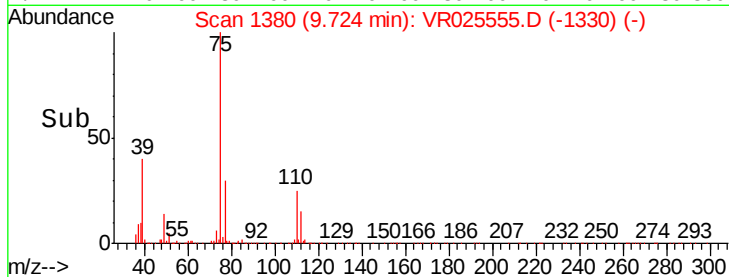
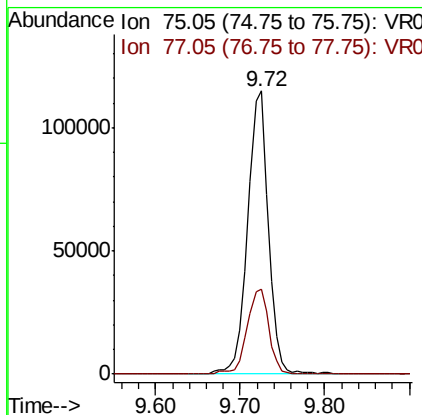
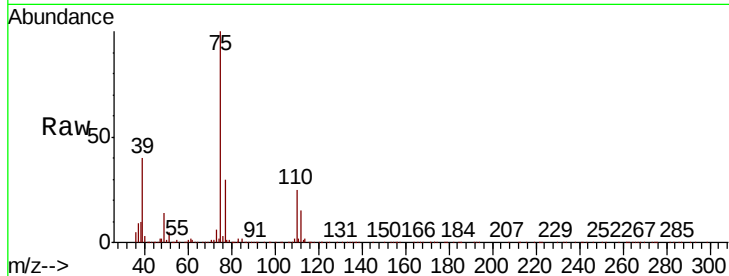


#39

cis-1,3-Dichloropropene
Concen: 5.074 ug/L
RT: 9.72 min Scan# 1380
Delta R.T. 0.01 min
Lab File: VR025555.D
Acq: 6 Aug 2018 13:59

Instrument :
MSVOA_R
ClientSampleId :
VSTD00590

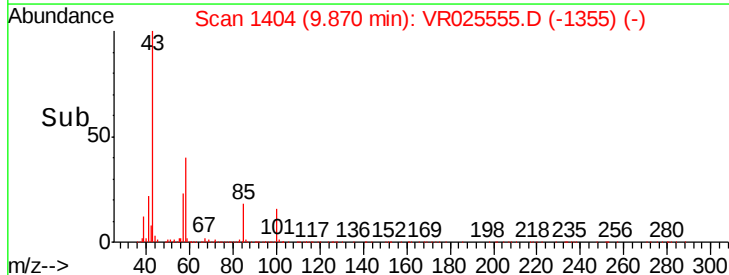
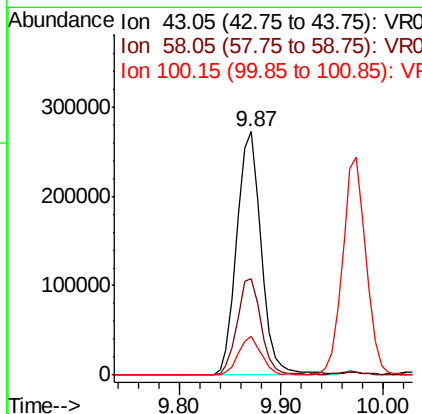
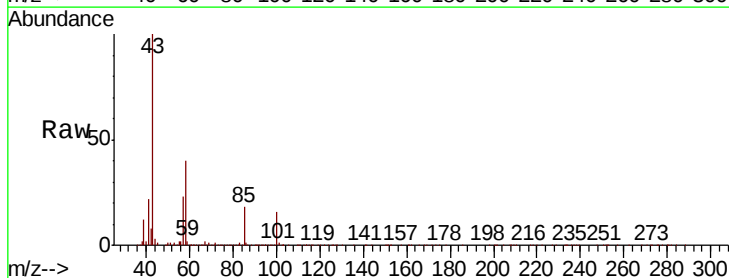
Tgt Ion: 75 Resp: 188057
Ion Ratio Lower Upper
75 100
77 30.0 21.6 40.0

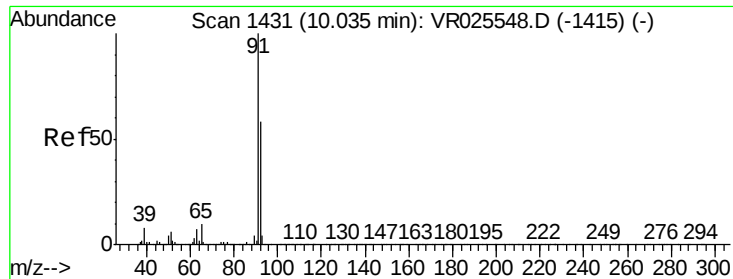


#40

4-Methyl-2-pentanone
Concen: 47.682 ug/L
RT: 9.87 min Scan# 1404
Delta R.T. 0.00 min
Lab File: VR025555.D
Acq: 6 Aug 2018 13:59

Tgt Ion: 43 Resp: 451023
Ion Ratio Lower Upper
43 100
58 38.9 31.0 46.6
100 15.0 11.9 17.9





#42

Toluene

Concen: 5.057 ug/L

RT: 10.03 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VR025555.D

Acq: 6 Aug 2018 13:59

Instrument :

MSVOA_R

ClientSampleId :

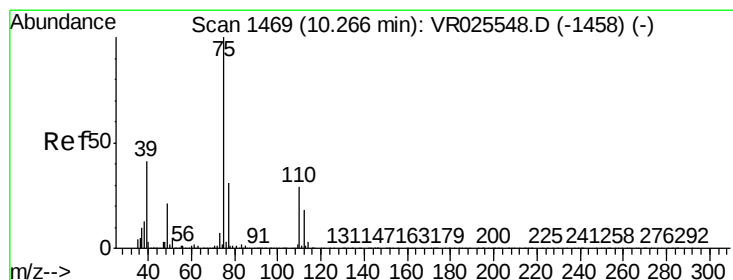
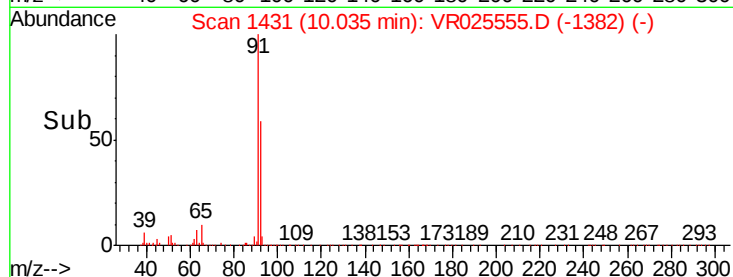
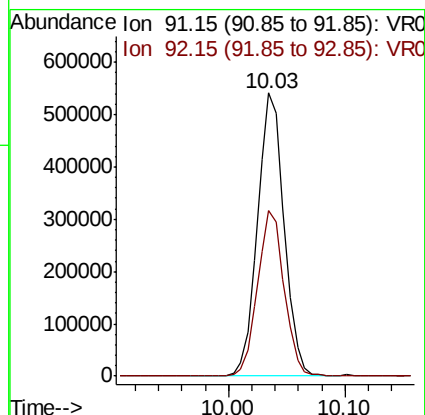
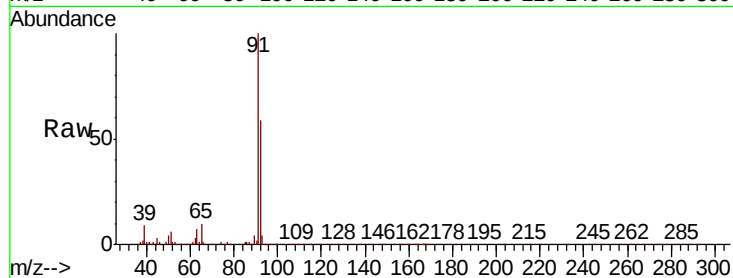
VSTD00590

Tgt Ion: 91 Resp: 858744

Ion Ratio Lower Upper

91 100

92 58.6 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 4.990 ug/L

RT: 10.27 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VR025555.D

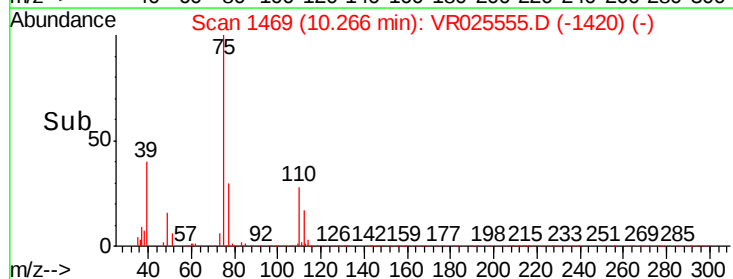
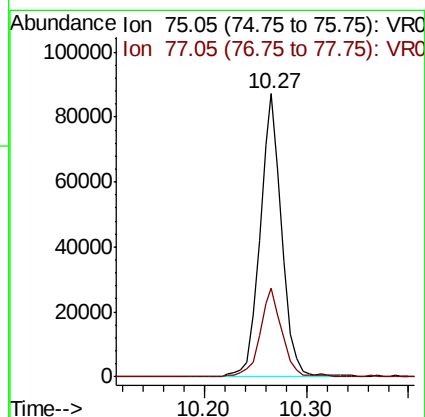
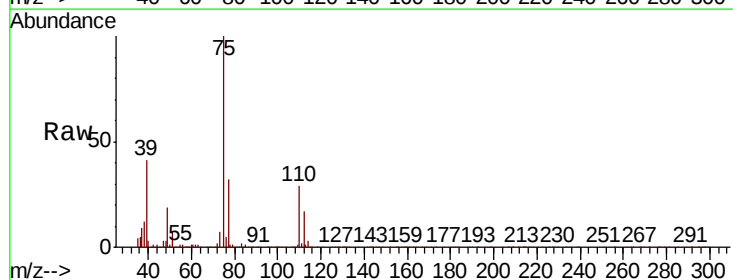
Acq: 6 Aug 2018 13:59

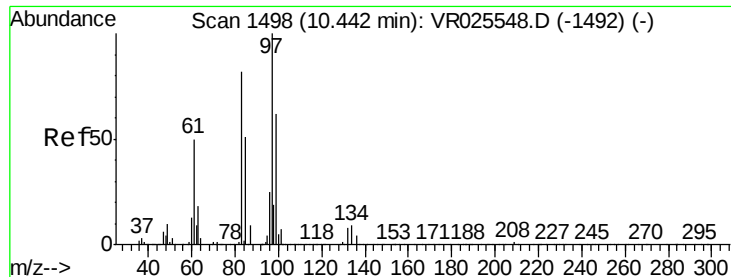
Tgt Ion: 75 Resp: 129120

Ion Ratio Lower Upper

75 100

77 31.6 22.8 42.4





#45

1,1,2-Trichloroethane

Concen: 4.658 ug/L

RT: 10.44 min Scan# 1498

Delta R.T. 0.00 min

Lab File: VR025555.D

Acq: 6 Aug 2018 13:59

Instrument :

MSVOA_R

ClientSampleId :

VSTD00590

Tgt Ion: 97 Resp: 77876

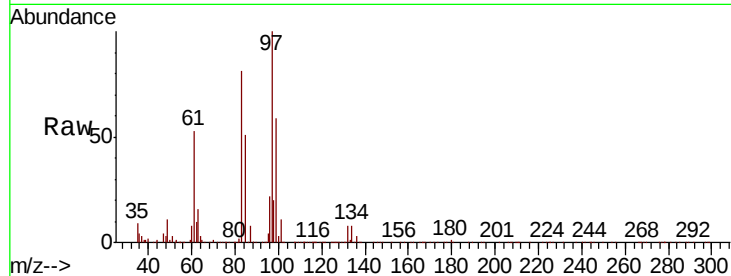
Ion Ratio Lower Upper

97 100

99 59.5 43.4 80.6

83 81.1 57.3 106.5

85 51.3 35.8 66.4



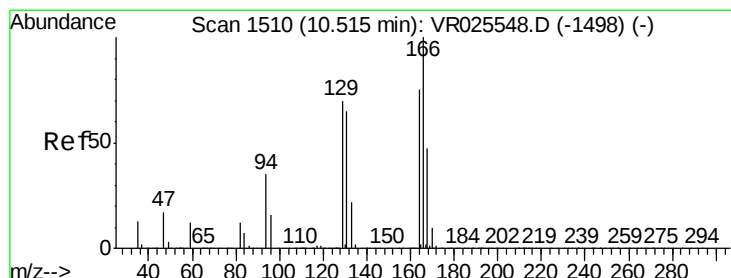
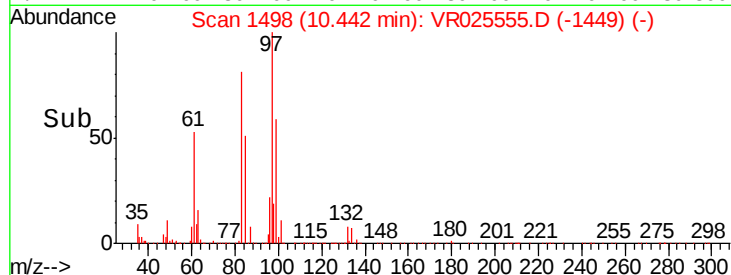
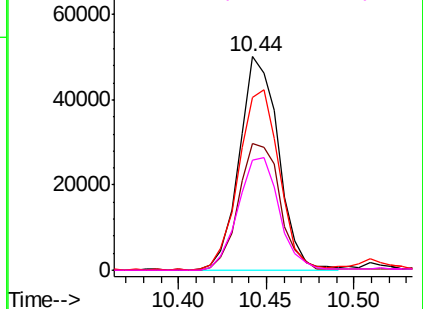
Abundance

Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0



#47

Tetrachloroethene

Concen: 5.173 ug/L

RT: 10.52 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VR025555.D

Acq: 6 Aug 2018 13:59

Tgt Ion: 164 Resp: 175522

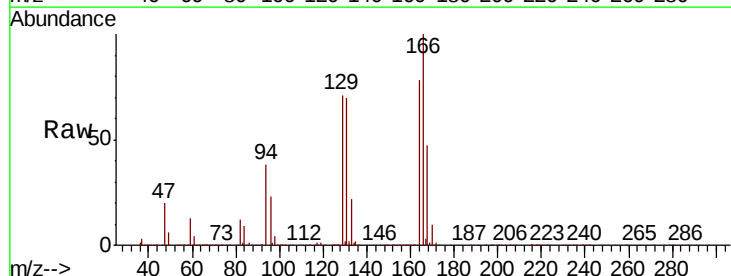
Ion Ratio Lower Upper

164 100

129 91.1 63.0 117.0

131 89.7 60.6 112.6

166 128.4 87.6 162.8



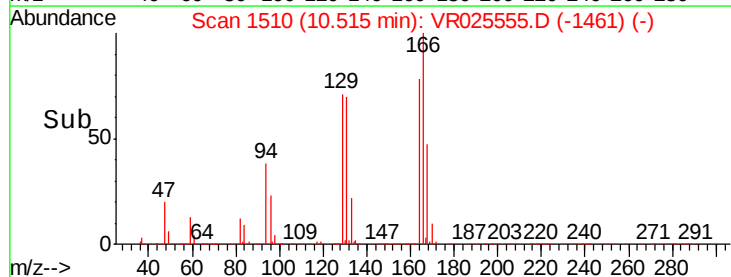
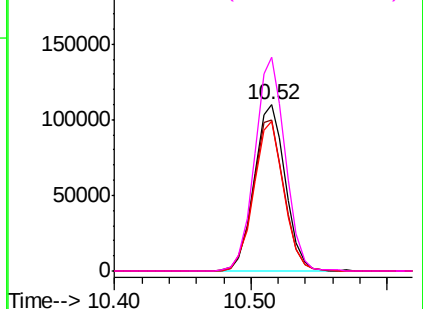
Abundance

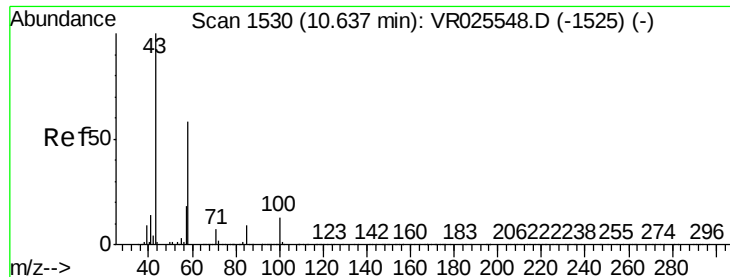
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

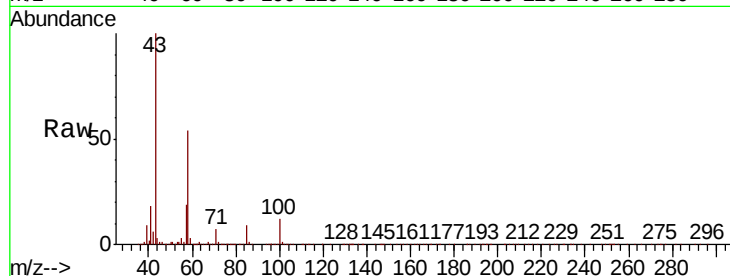




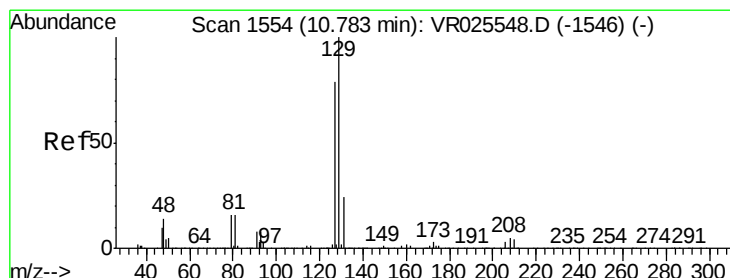
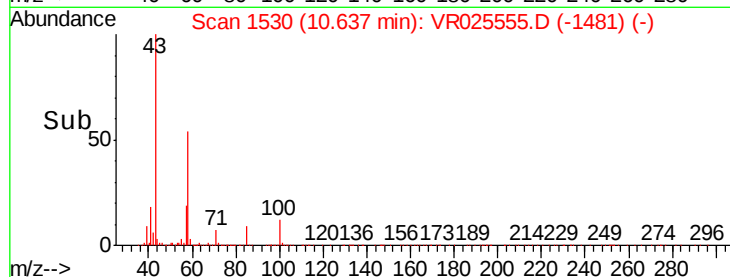
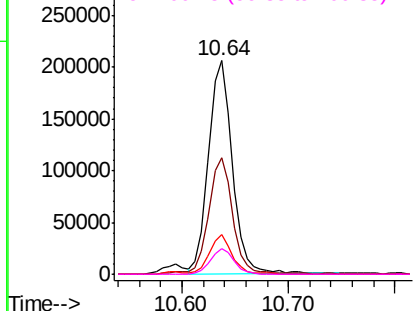
#48
2-Hexanone
Concen: 49.392 ug/L
RT: 10.64 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VR025555.D
Acq: 6 Aug 2018 13:59

Instrument :
MSVOA_R
ClientSampleId :
VSTD00590

Tgt Ion:	43	Resp:	315074
Ion	Ratio	Lower	Upper
43	100		
58	55.8	45.0	67.6
57	17.7	15.8	23.6
100	11.8	9.3	13.9

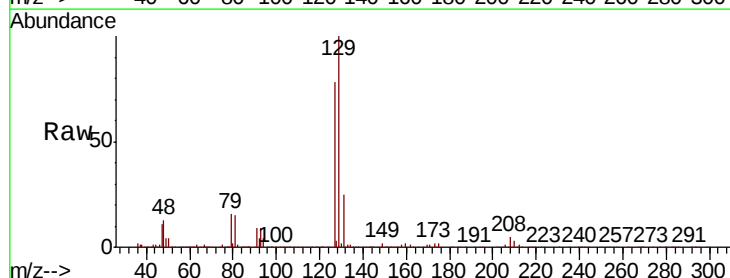


Abundance Ion 43.05 (42.75 to 43.75): VR0
Ion 58.05 (57.75 to 58.75): VR0
Ion 57.20 (56.90 to 57.90): VR0
Ion 100.15 (99.85 to 100.85): VR0

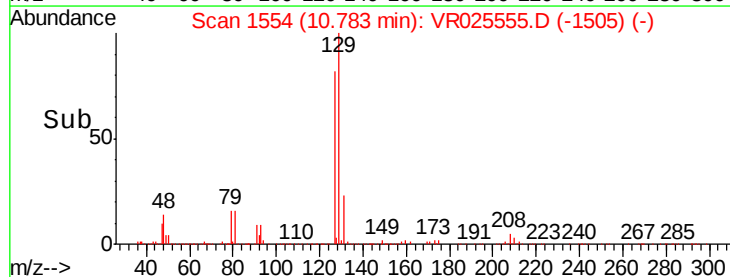
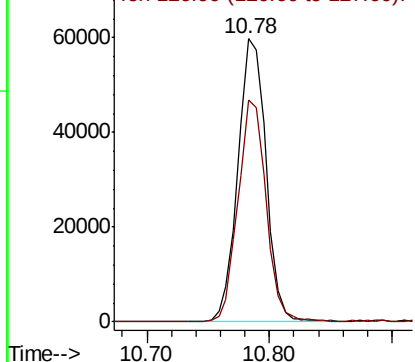


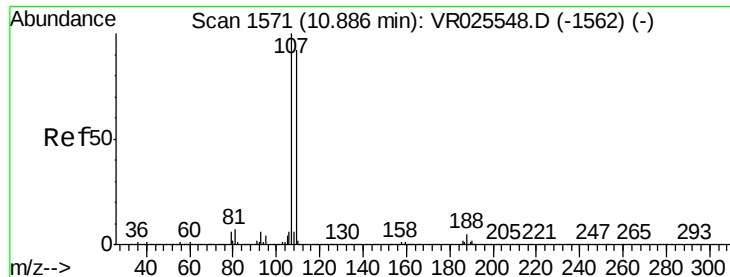
#49
Dibromochloromethane
Concen: 4.834 ug/L
RT: 10.78 min Scan# 1554
Delta R.T. 0.00 min
Lab File: VR025555.D
Acq: 6 Aug 2018 13:59

Tgt Ion:	129	Resp:	95341
Ion	Ratio	Lower	Upper
129	100		
127	78.4	54.3	100.9



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

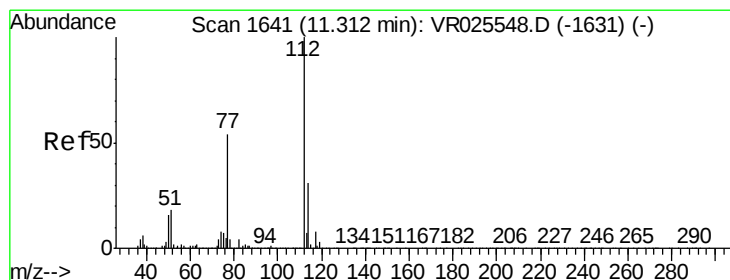
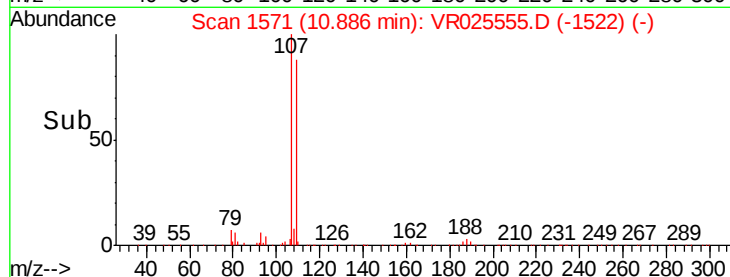
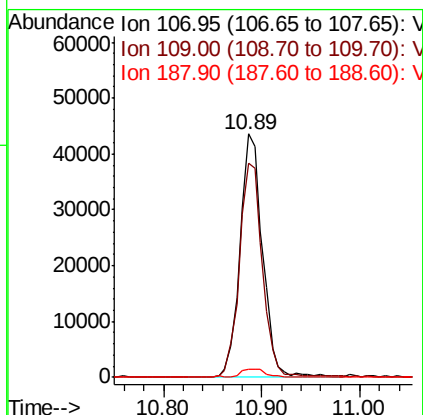
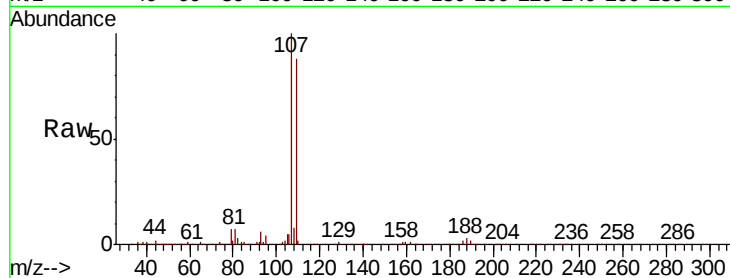




#50
1,2-Dibromoethane
Concen: 5.007 ug/L
RT: 10.89 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VR025555.D
Acq: 6 Aug 2018 13:59

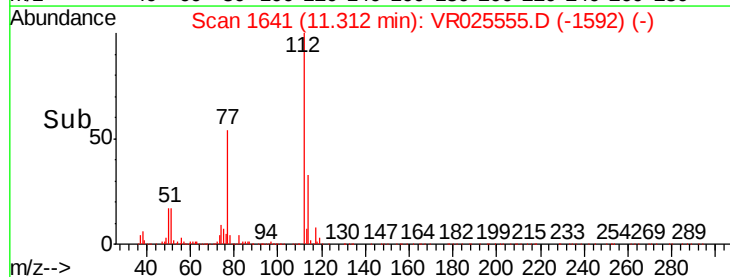
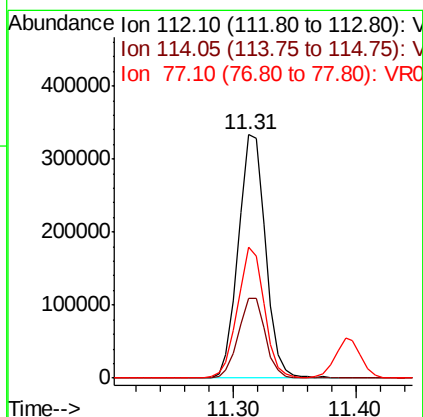
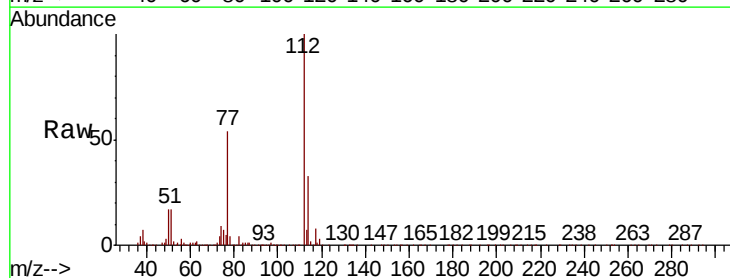
Instrument :
MSVOA_R
ClientSampleId :
VSTD00590

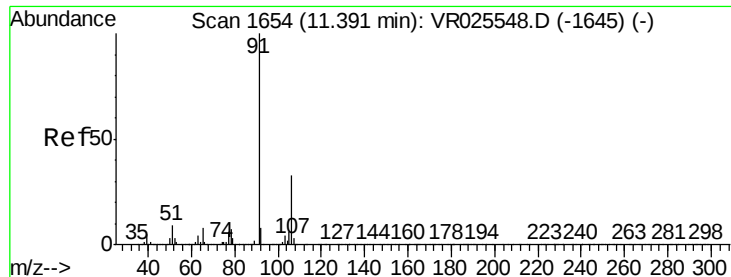
Tgt Ion:107 Resp: 69828
Ion Ratio Lower Upper
107 100
109 87.7 60.6 112.6
188 3.3 2.4 3.6



#51
Chlorobenzene
Concen: 4.967 ug/L
RT: 11.31 min Scan# 1641
Delta R.T. 0.00 min
Lab File: VR025555.D
Acq: 6 Aug 2018 13:59

Tgt Ion:112 Resp: 510103
Ion Ratio Lower Upper
112 100
114 33.0 21.8 40.4
77 53.9 41.8 62.8





#52

Ethylbenzene

Concen: 5.190 ug/L

RT: 11.39 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VR025555.D

Acq: 6 Aug 2018 13:59

Instrument :

MSVOA_R

ClientSampleId :

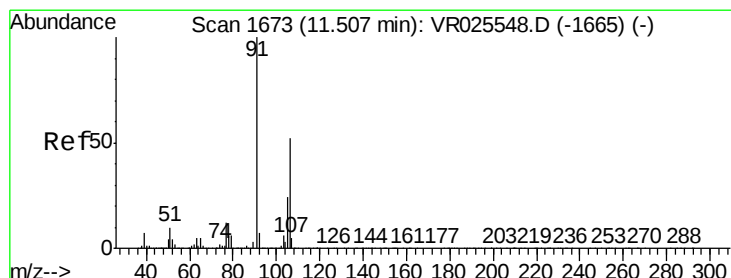
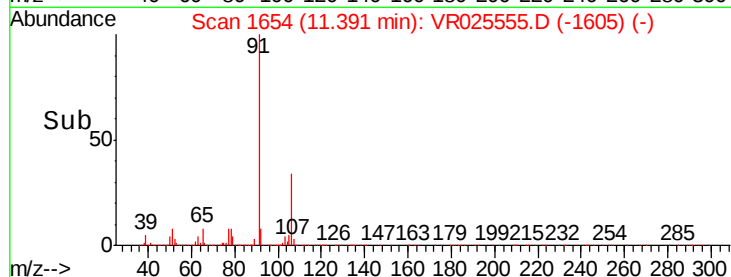
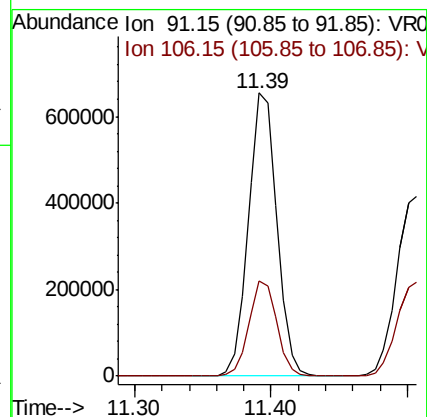
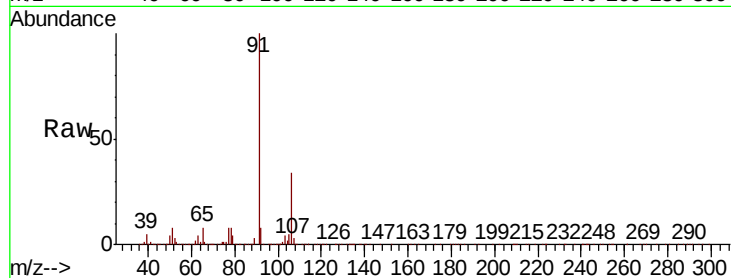
VSTD00590

Tgt Ion: 91 Resp: 958309

Ion Ratio Lower Upper

91 100

106 33.7 23.6 43.8



#53

m,p-Xylene

Concen: 5.366 ug/L

RT: 11.51 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VR025555.D

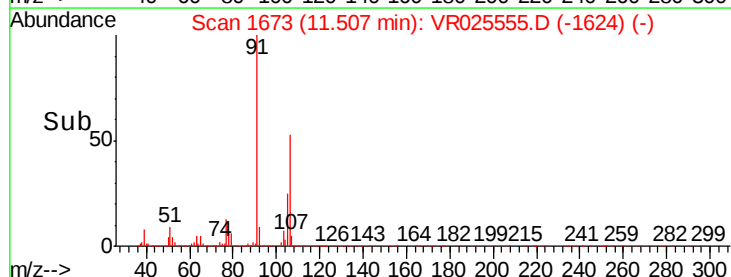
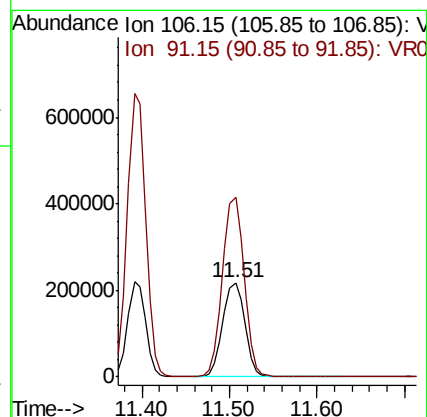
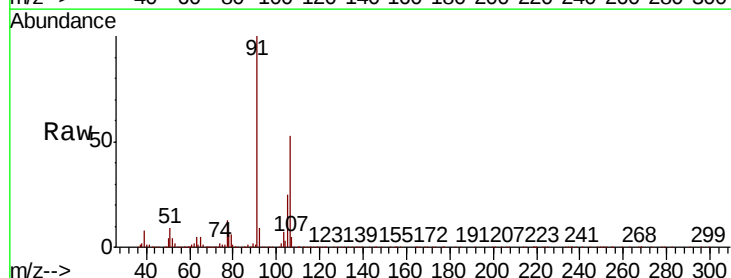
Acq: 6 Aug 2018 13:59

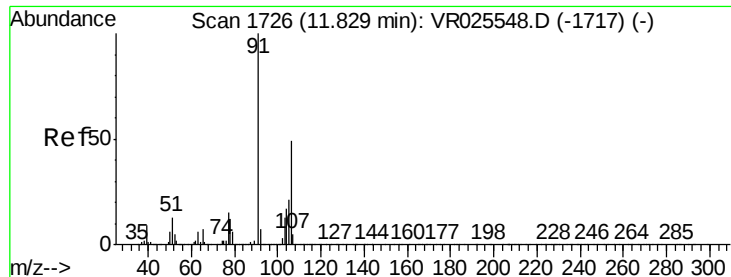
Tgt Ion: 106 Resp: 383347

Ion Ratio Lower Upper

106 100

91 190.3 128.2 238.0

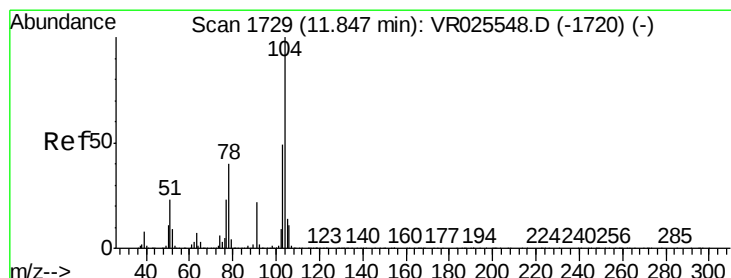
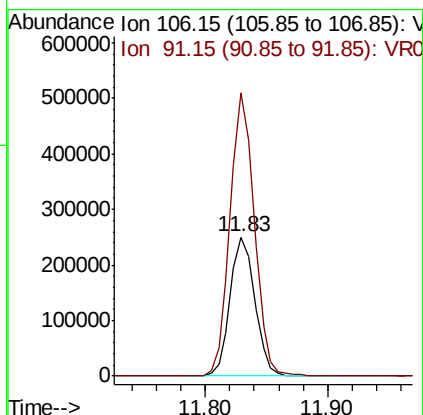
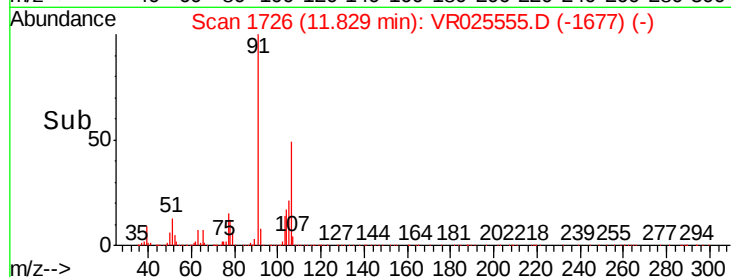
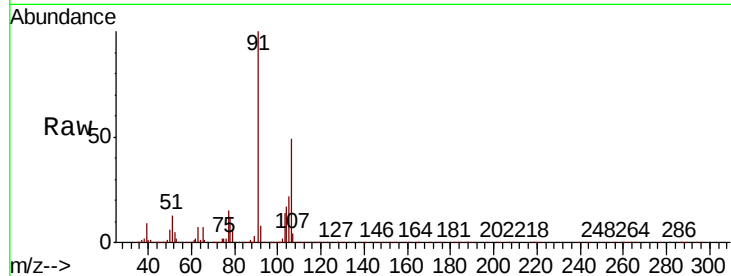




#54
o-Xylene
Concen: 5.351 ug/L
RT: 11.83 min Scan# 1726
Delta R.T. 0.00 min
Lab File: VR025555.D
Acq: 6 Aug 2018 13:59

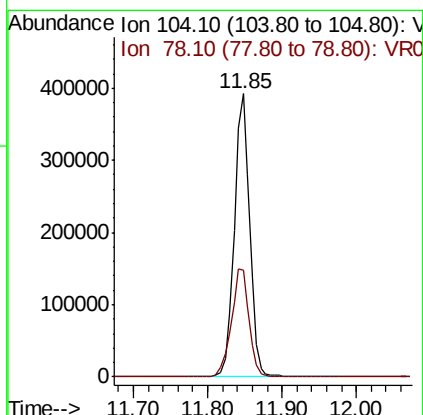
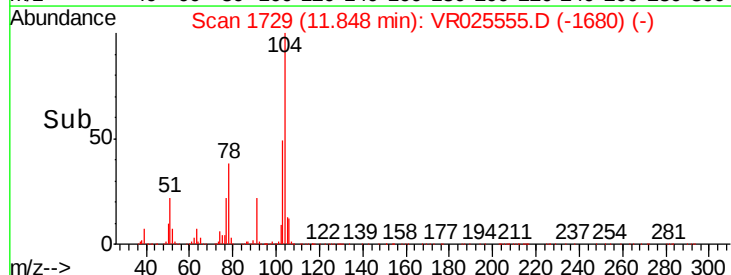
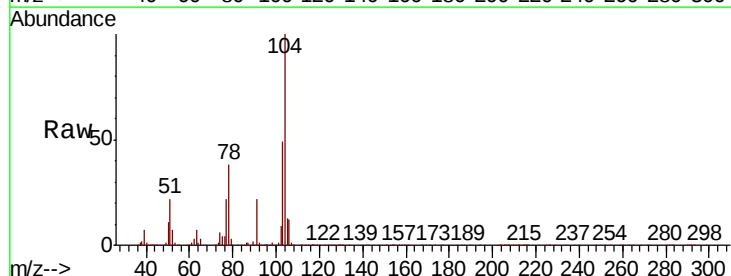
Instrument :
MSVOA_R
ClientSampled :
VSTD00590

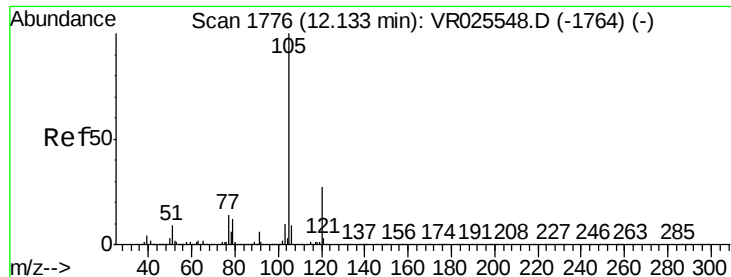
Tgt Ion:106 Resp: 350953
Ion Ratio Lower Upper
106 100
91 203.1 143.0 265.6



#55
Styrene
Concen: 5.426 ug/L
RT: 11.85 min Scan# 1729
Delta R.T. 0.00 min
Lab File: VR025555.D
Acq: 6 Aug 2018 13:59

Tgt Ion:104 Resp: 566948
Ion Ratio Lower Upper
104 100
78 37.9 26.0 48.2





#56

Isopropylbenzene

Concen: 5.512 ug/L

RT: 12.13 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VR025555.D

Acq: 6 Aug 2018 13:59

Instrument :

MSVOA_R

ClientSampleId :

VSTD00590

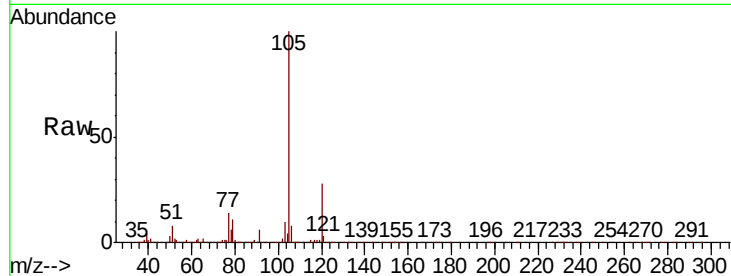
Tgt Ion: 105 Resp: 951014

Ion Ratio Lower Upper

105 100

120 28.6 22.5 33.7

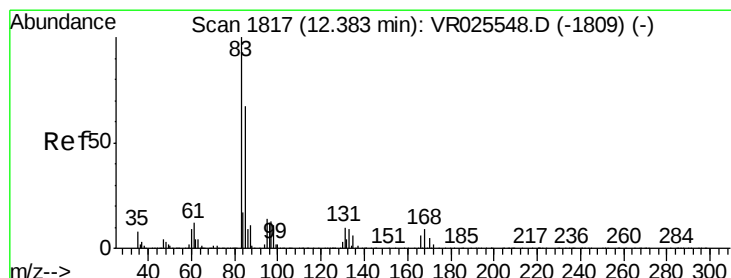
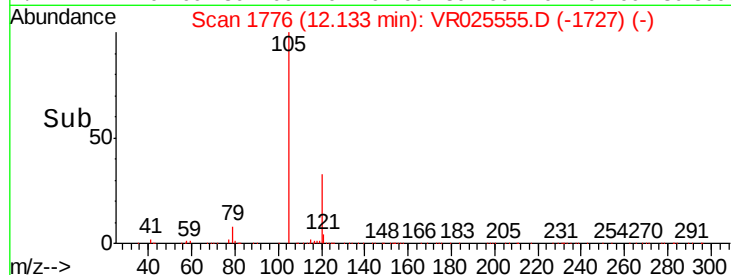
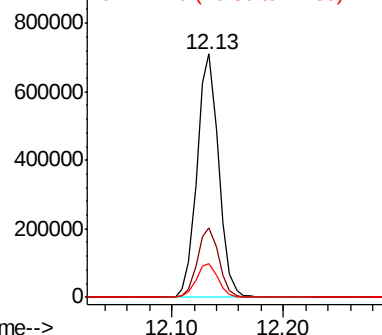
77 14.1 11.8 17.6



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): VR0



#58

1,1,2,2-Tetrachloroethane

Concen: 5.019 ug/L

RT: 12.38 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VR025555.D

Acq: 6 Aug 2018 13:59

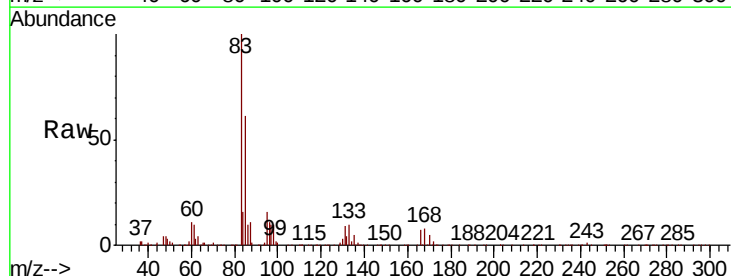
Tgt Ion: 83 Resp: 79511

Ion Ratio Lower Upper

83 100

85 61.1 42.5 78.9

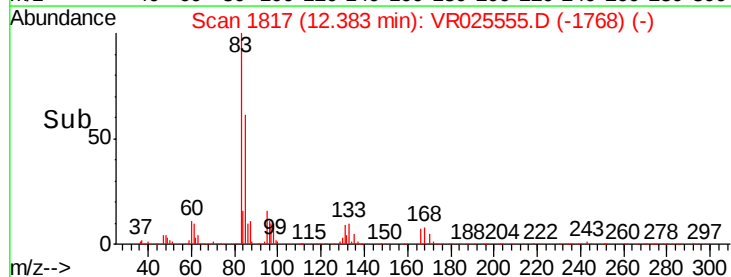
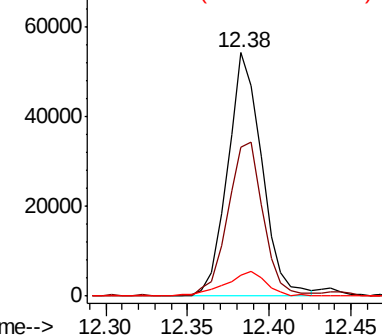
131 8.6 8.6 13.0#

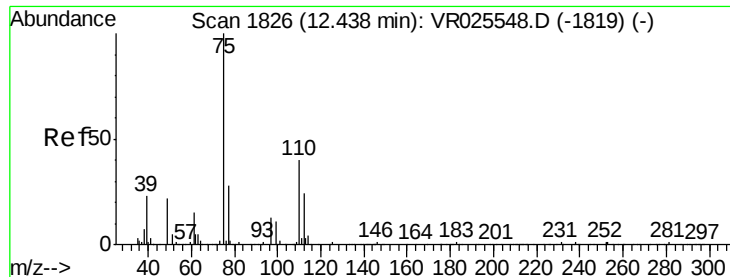


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V

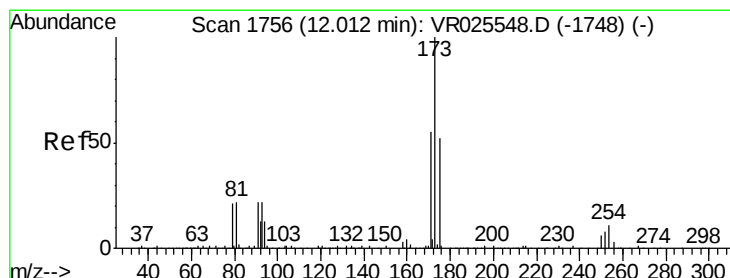
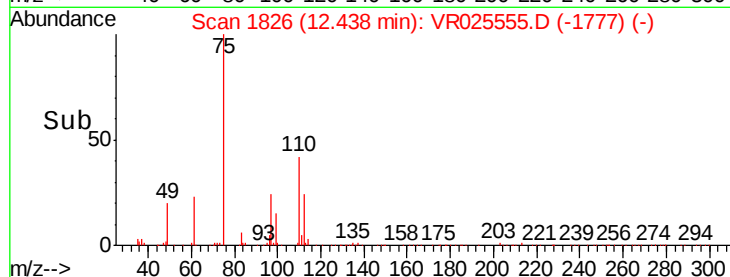
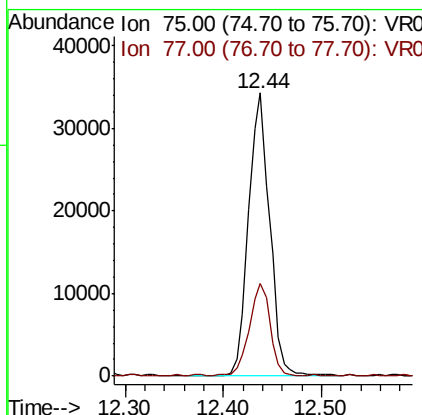
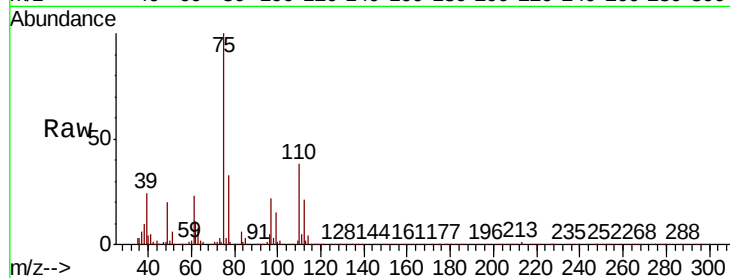




#59
 1,2,3-Trichloropropane
 Concen: 4.873 ug/L
 RT: 12.44 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VR025555.D
 Acq: 6 Aug 2018 13:59

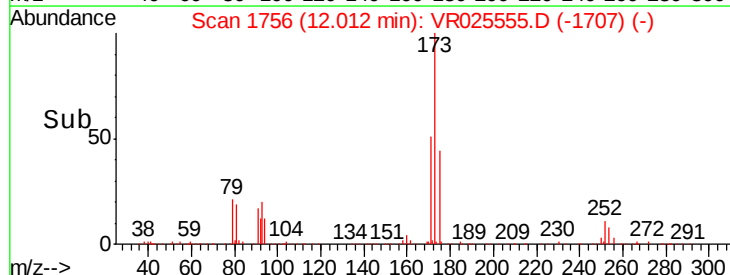
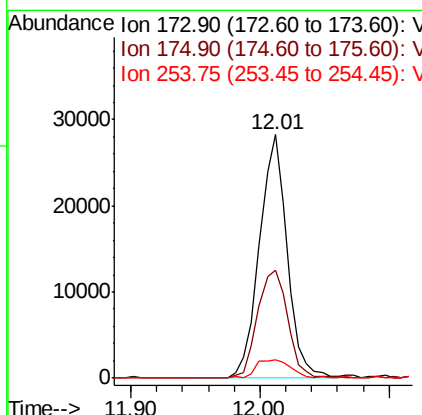
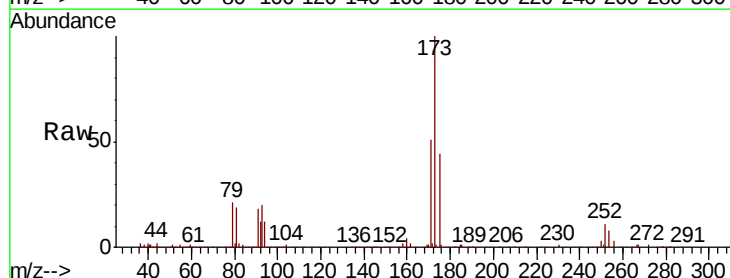
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00590

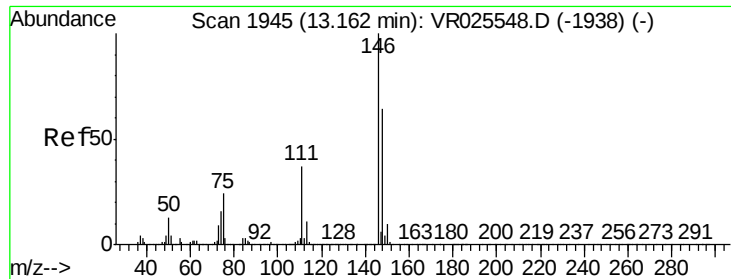
Tgt Ion: 75 Resp: 51578
 Ion Ratio Lower Upper
 75 100
 77 32.4 24.7 37.1



#61
 Bromoform
 Concen: 4.277 ug/L
 RT: 12.01 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VR025555.D
 Acq: 6 Aug 2018 13:59

Tgt Ion: 173 Resp: 41886
 Ion Ratio Lower Upper
 173 100
 175 48.6 39.3 58.9
 254 9.5 7.5 11.3

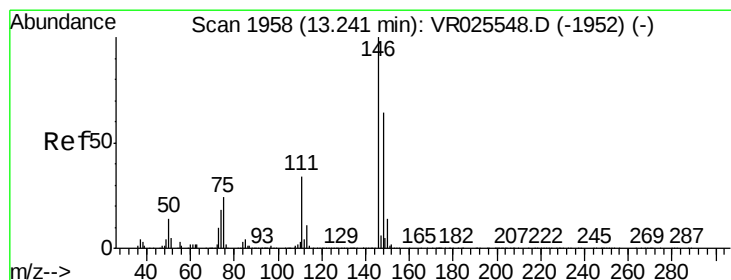
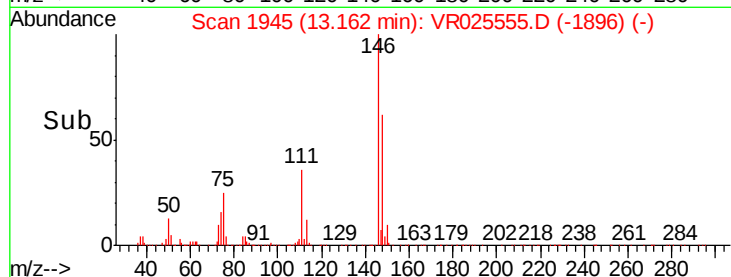
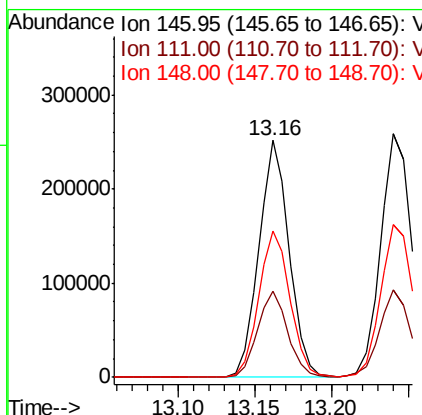
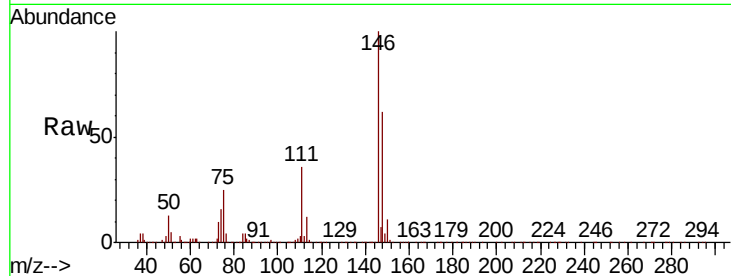




#62
 1,3-Dichlorobenzene
 Concen: 4.877 ug/L
 RT: 13.16 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VR025555.D
 Acq: 6 Aug 2018 13:59

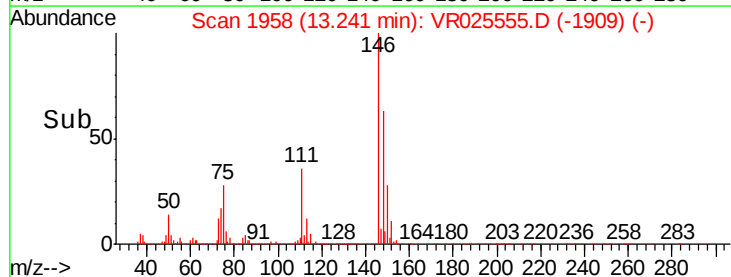
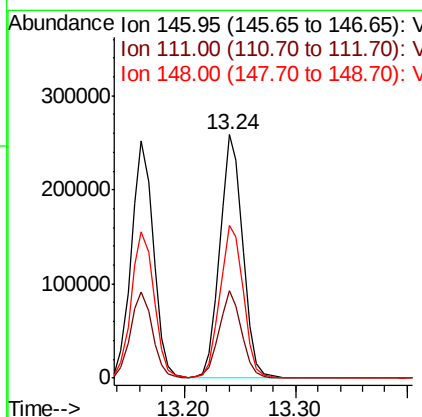
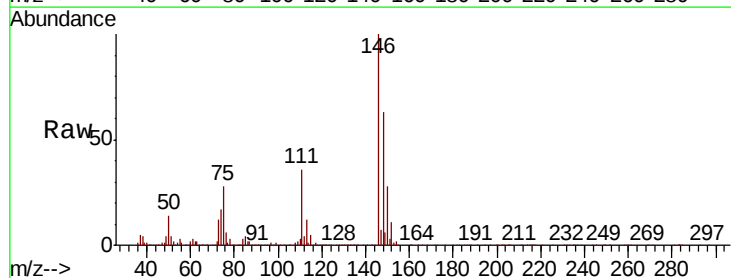
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00590

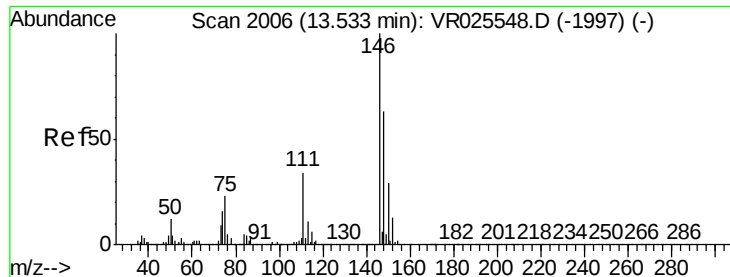
Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	26.2	48.6
148	61.5	45.2	84.0



#63
 1,4-Dichlorobenzene
 Concen: 4.743 ug/L
 RT: 13.24 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VR025555.D
 Acq: 6 Aug 2018 13:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	25.6	47.6
148	62.7	44.2	82.0

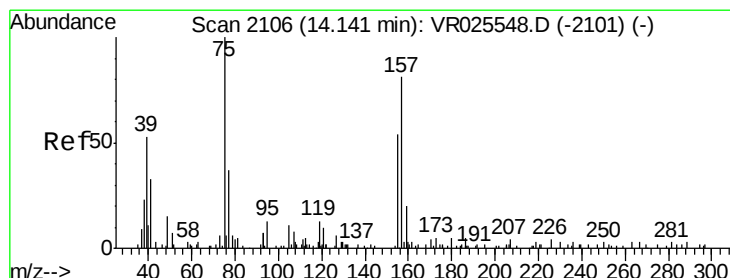
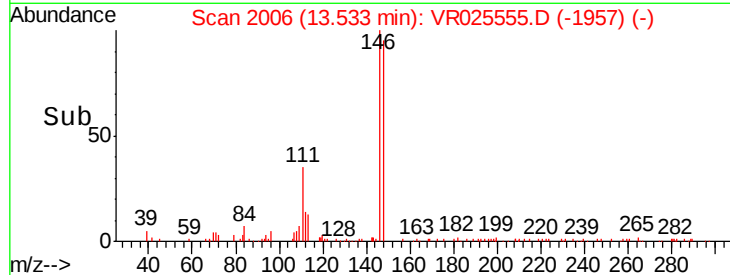
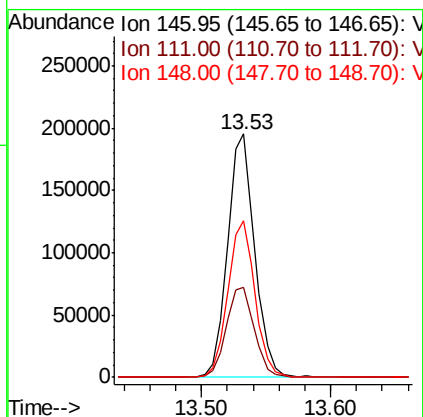
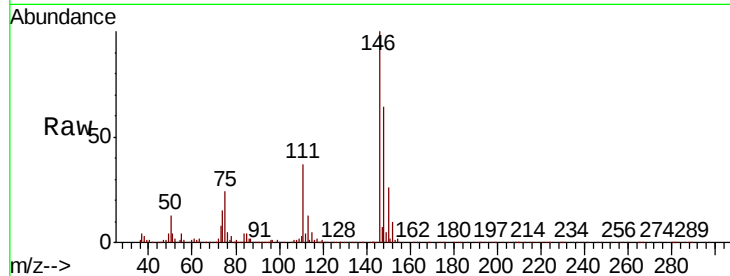




#65
 1,2-Dichlorobenzene
 Concen: 4.699 ug/L
 RT: 13.53 min Scan# 2006
 Delta R.T. 0.00 min
 Lab File: VR025555.D
 Acq: 6 Aug 2018 13:59

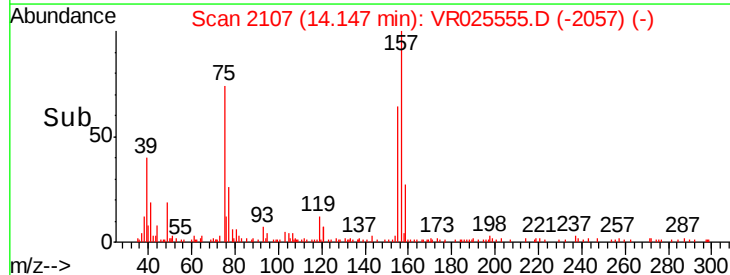
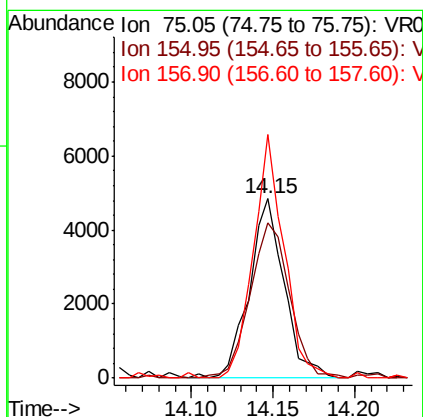
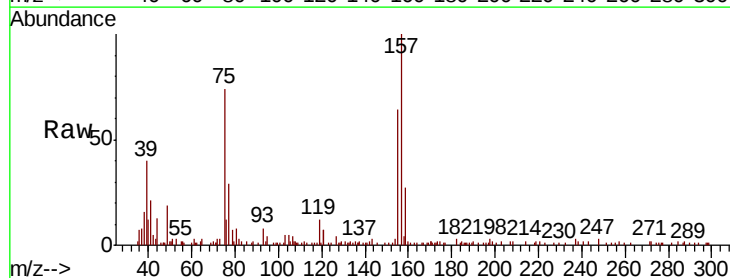
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00590

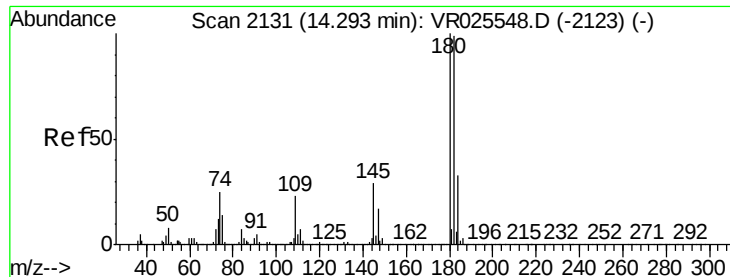
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	28.9	43.3
148	64.3	52.1	78.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.824 ug/L
 RT: 14.15 min Scan# 2107
 Delta R.T. 0.01 min
 Lab File: VR025555.D
 Acq: 6 Aug 2018 13:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.8	62.3	93.5
157	135.9	67.7	101.5#

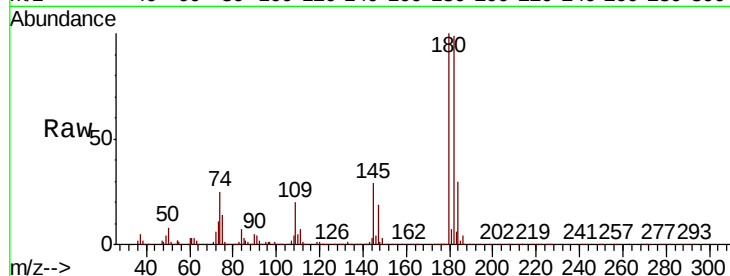




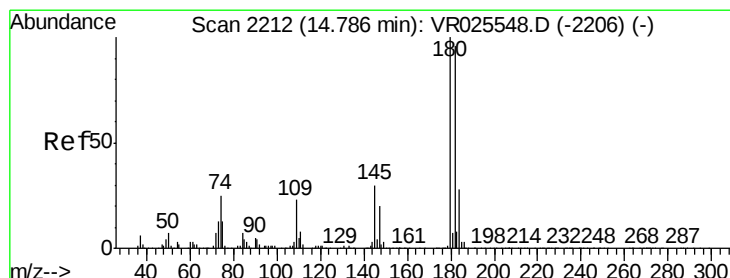
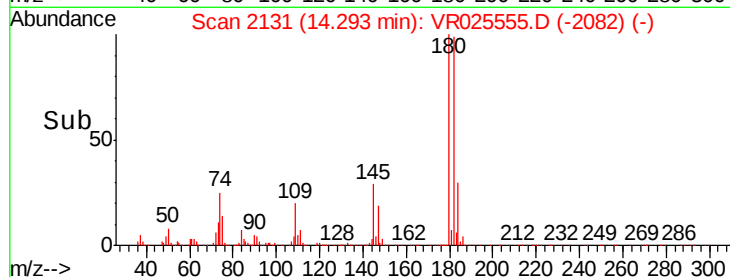
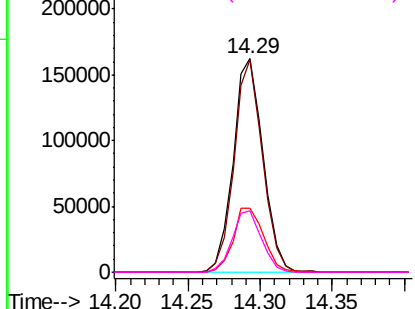
#67
 1,3,5-Trichlorobenzene
 Concen: 4.830 ug/L
 RT: 14.29 min Scan# 2131
 Delta R.T. 0.00 min
 Lab File: VR025555.D
 Acq: 6 Aug 2018 13:59

Instrument :
 MSVOA_R
 ClientSampleID :
 VSTD00590

Tgt Ion:	180	Resp:	233427
Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.0	112.4
184	30.9	24.1	36.1
145	28.8	24.1	36.1

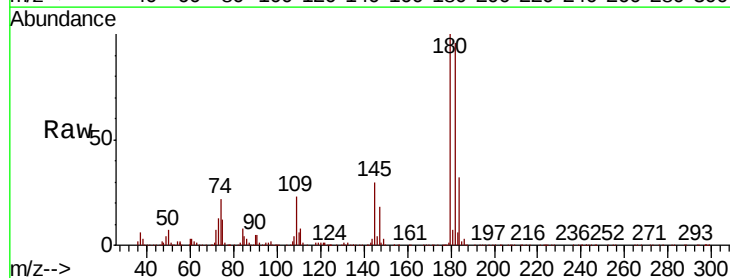


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

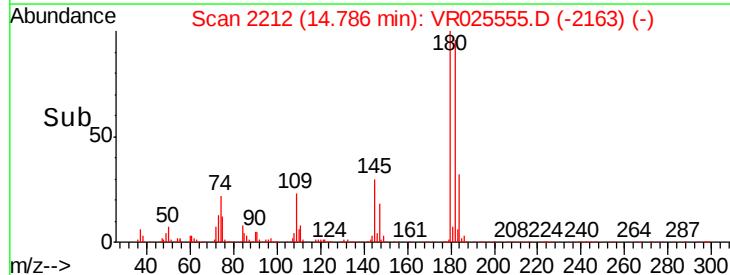
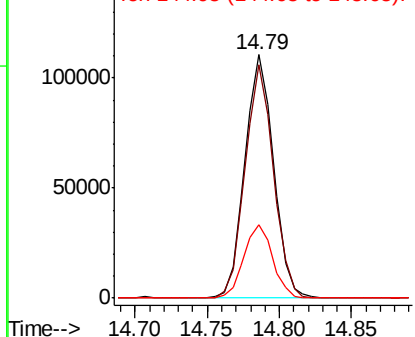


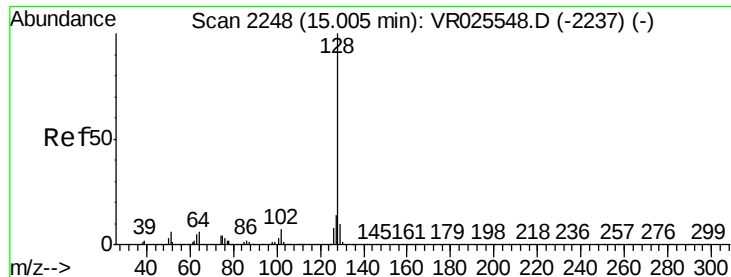
#68
 1,2,4-trichlorobenzene
 Concen: 4.886 ug/L
 RT: 14.79 min Scan# 2212
 Delta R.T. 0.00 min
 Lab File: VR025555.D
 Acq: 6 Aug 2018 13:59

Tgt Ion:	180	Resp:	151728
Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.8	115.2
145	30.4	24.0	36.0



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: 4.449 ug/L

RT: 15.00 min Scan# 2248

Delta R.T. 0.00 min

Lab File: VR025555.D

Acq: 6 Aug 2018 13:59

Instrument :

MSVOA_R

ClientSampleId :

VSTD00590

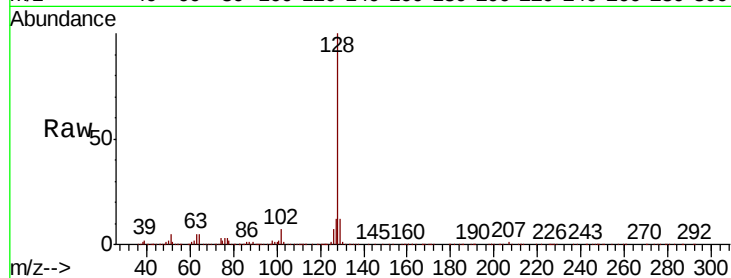
Tgt Ion:128 Resp: 157819

Ion Ratio Lower Upper

128 100

127 12.0 11.1 16.7

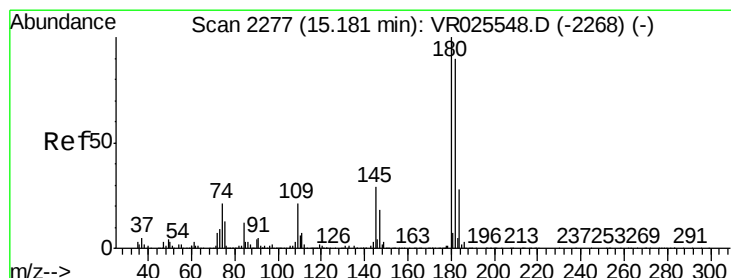
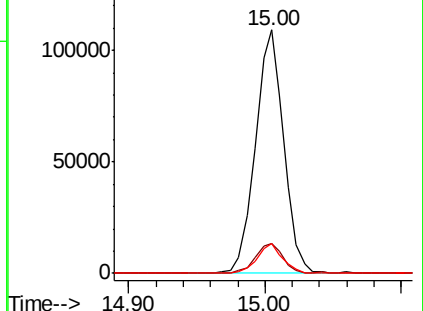
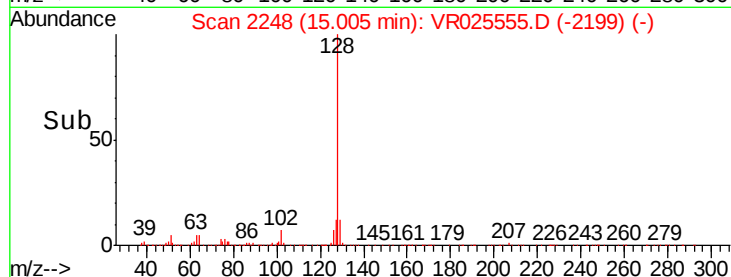
129 10.9 8.9 13.3



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: 5.168 ug/L

RT: 15.18 min Scan# 2277

Delta R.T. 0.00 min

Lab File: VR025555.D

Acq: 6 Aug 2018 13:59

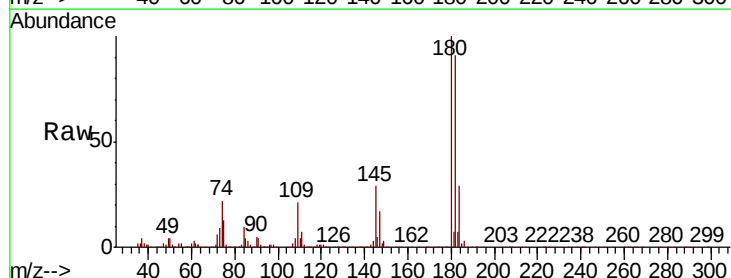
Tgt Ion:180 Resp: 123420

Ion Ratio Lower Upper

180 100

182 93.7 75.6 113.4

145 29.9 26.1 39.1



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

