

Data File : VR025776.D
Acq On : 20 Sep 2018 14:13
Operator : SY/MD
Sample : VSTD0.514
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.514

Quant Time: Sep 20 14:47:46 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092018WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 20 12:33:47 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	466053	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	372312	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	142728	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	10682	0.53	ug/L	0.00
7) Chloroethane-d5	2.62	69	8547	0.52	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.62	63	31179	0.56	ug/L	0.00
20) 2-Butanone-d5	6.59	46	17783	8.69	ug/L	0.00
24) Chloroform-d	7.20	84	30035	0.65	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.90	65	11868	0.76	ug/L	0.00
32) Benzene-d6	7.85	84	48850	0.49	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.89	67	15411	0.57	ug/L	0.00
41) Toluene-d8	9.97	98	40072	0.42	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	6115	0.91	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	17404	8.70	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	6890	0.58	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.52	152	10083	0.50	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	26288	1.106 ug/L	91
3) Chloromethane	2.01	50	31269	1.072 ug/L	97
5) Vinyl chloride	2.16	62	30336	1.046 ug/L	92
6) Bromomethane	2.51	94	16697	0.804 ug/L	74
8) Chloroethane	2.66	64	16037	0.942 ug/L	97
9) Trichlorofluoromethane	2.93	101	12738	0.238 ug/L #	18
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	20595	0.715 ug/L	96
12) 1,1-Dichloroethene	3.62	96	23064	0.759 ug/L	80
13) Acetone	3.70	43	11625	8.434 ug/L	86
14) Carbon disulfide	3.93	76	72939	1.017 ug/L	100
15) Methyl Acetate	4.21	43	6753	1.374 ug/L #	58
16) Methylene chloride	4.41	84	19250	0.715 ug/L	94
17) Methyl tert-butyl Ether	4.89	73	41429	1.108 ug/L	94
18) trans-1,2-Dichloroethene	4.89	96	26567	0.715 ug/L	90
19) 1,1-Dichloroethane	5.69	63	55013	0.960 ug/L	90
21) 2-Butanone	6.70	43	30109	10.350 ug/L	83
22) cis-1,2-Dichloroethene	6.68	96	26638	0.824 ug/L #	88
23) Bromochloromethane	7.04	128	7554	0.681 ug/L	81
25) Chloroform	7.23	83	51549	0.985 ug/L	89
27) 1,2-Dichloroethane	7.99	62	25014	1.211 ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	46811	1.262 ug/L	99
30) Cyclohexane	7.52	56	51527	1.156 ug/L	97
31) Carbon tetrachloride	7.63	117	40799	1.135 ug/L	97
33) Benzene	7.90	78	110070	0.830 ug/L	100
34) Trichloroethene	8.71	95	30114	0.937 ug/L	88
35) Methylcyclohexane	8.95	83	50150	1.011 ug/L	99
37) 1,2-Dichloropropane	8.99	63	23348	0.781 ug/L	99
38) Bromodichloromethane	9.28	83	28449	1.059 ug/L	98
39) cis-1,3-Dichloropropene	9.72	75	32520	1.063 ug/L	94
40) 4-Methyl-2-pentanone	9.87	43	87043	11.776 ug/L	99

Data File : VR025776.D
Acq On : 20 Sep 2018 14:13
Operator : SY/MD
Sample : VSTD0.514
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.514

Quant Time: Sep 20 14:47:46 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092018WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 20 12:33:47 2018
Response via : Initial Calibration

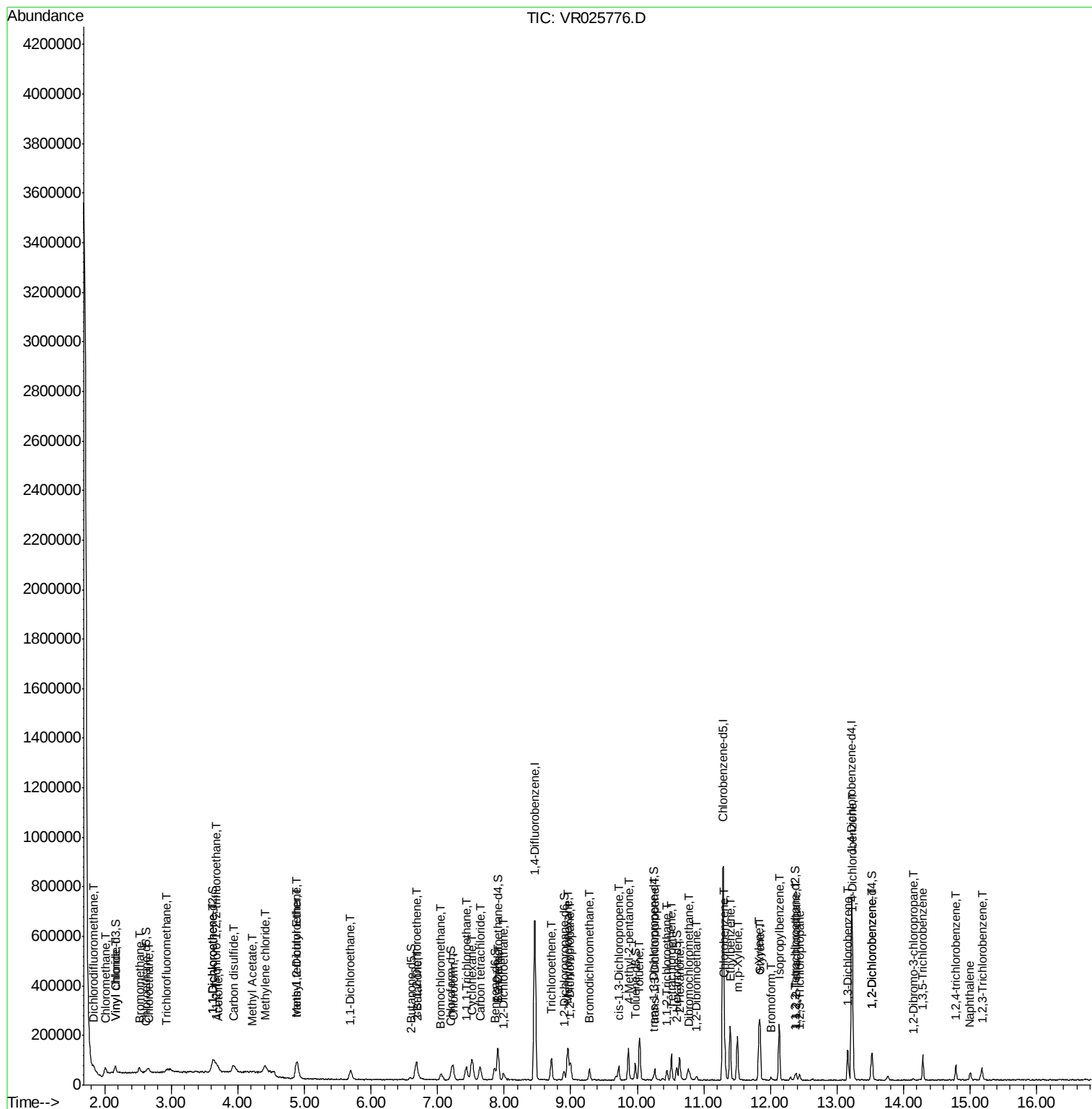
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.03	91	111479	0.821	ug/L	98
44) trans-1,3-Dichloropropene	10.26	75	22775	1.059	ug/L	96
45) 1,1,2-Trichloroethane	10.45	97	10072	0.719	ug/L	87
47) Tetrachloroethene	10.51	164	17884	0.679	ug/L	95
48) 2-Hexanone	10.63	43	54026	10.422	ug/L	97
49) Dibromochloromethane	10.79	129	11762	0.788	ug/L	96
50) 1,2-Dibromoethane	10.89	107	8960	0.805	ug/L #	92
51) Chlorobenzene	11.32	112	60520	0.709	ug/L	97
52) Ethylbenzene	11.39	91	132982	0.909	ug/L	99
53) m,p-Xylene	11.50	106	47656	0.810	ug/L	99
54) o-Xylene	11.83	106	43104	0.831	ug/L	91
55) Styrene	11.84	104	67155	0.804	ug/L	99
56) Isopropylbenzene	12.13	105	124687	0.965	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	10931	0.801	ug/L	99
59) 1,2,3-Trichloropropane	12.43	75	8440	0.920	ug/L	94
61) Bromoform	12.00	173	4679	0.766	ug/L	98
62) 1,3-Dichlorobenzene	13.16	146	39198	0.879	ug/L	97
63) 1,4-Dichlorobenzene	13.24	146	36419	0.718	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	29041	0.755	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.14	75	1713	1.514	ug/L #	70
67) 1,3,5-Trichlorobenzene	14.29	180	22020	0.831	ug/L	94
68) 1,2,4-trichlorobenzene	14.79	180	13734	0.845	ug/L	95
69) Naphthalene	15.00	128	21935	1.206	ug/L	95
70) 1,2,3-Trichlorobenzene	15.18	180	10595	0.823	ug/L	92

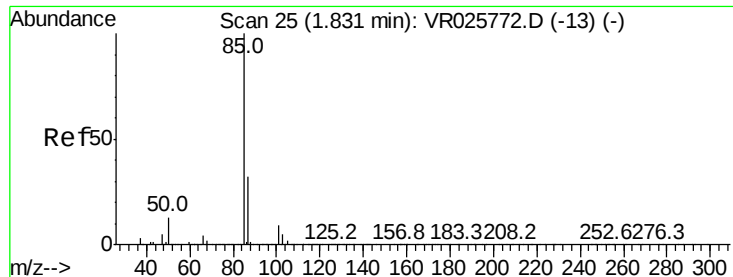
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VR025776.D
Acq On : 20 Sep 2018 14:13
Operator : SY/MD
Sample : VSTD0.514
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.514

Quant Time: Sep 20 14:47:46 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092018WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 20 12:33:47 2018
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 1.106 ug/L

RT: 1.84 min Scan# 27

Delta R.T. 0.01 min

Lab File: VR025776.D

Acq: 20 Sep 2018 14:13

Instrument :

MSVOA_R

ClientSampleId :

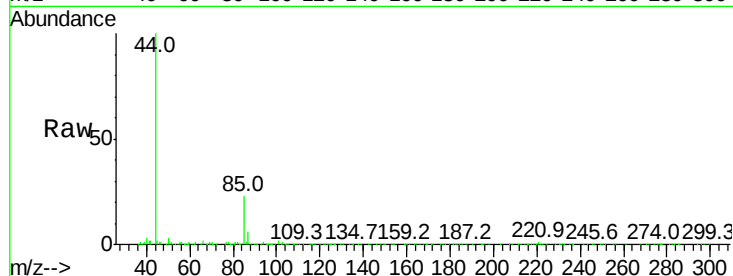
VSTD0.514

Tgt Ion: 85 Resp: 26288

Ion Ratio Lower Upper

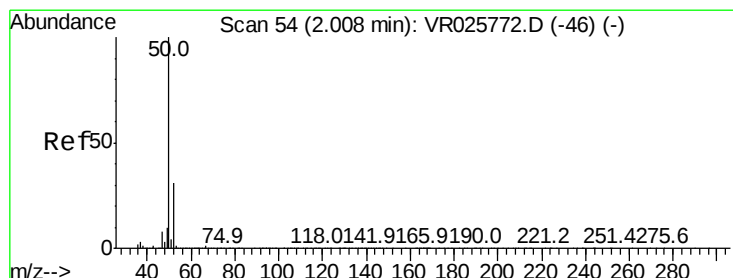
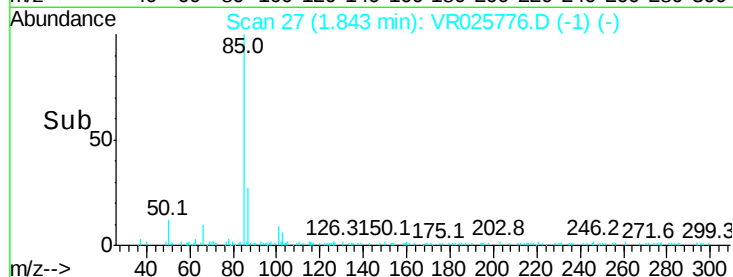
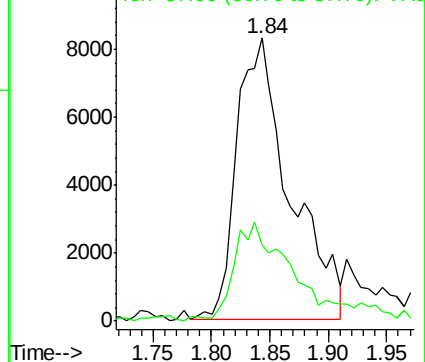
85 100

87 37.9 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0



#3

Chloromethane

Concen: 1.072 ug/L

RT: 2.01 min Scan# 54

Delta R.T. -0.00 min

Lab File: VR025776.D

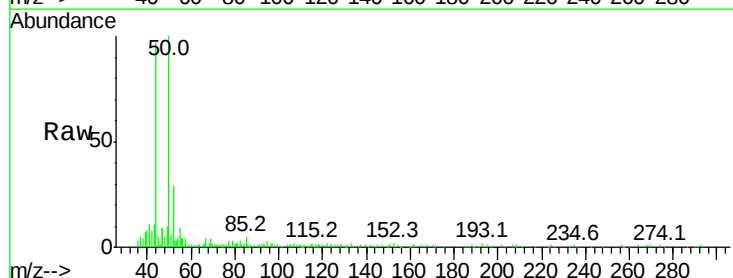
Acq: 20 Sep 2018 14:13

Tgt Ion: 50 Resp: 31269

Ion Ratio Lower Upper

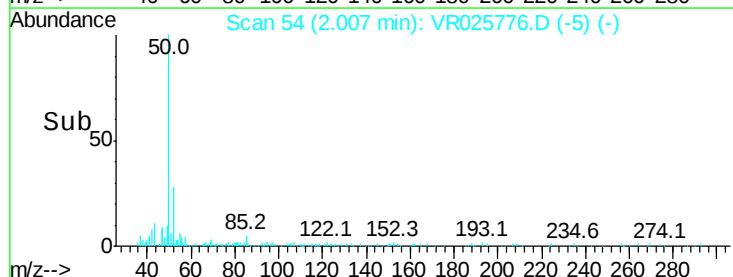
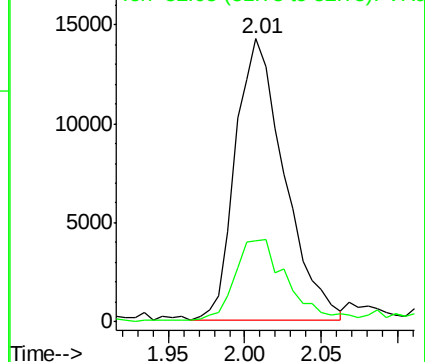
50 100

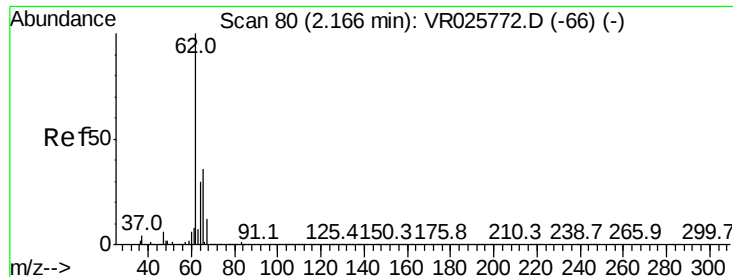
52 28.9 21.3 39.6



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 1.046 ug/L

RT: 2.16 min Scan# 79

Delta R.T. -0.01 min

Lab File: VR025776.D

Acq: 20 Sep 2018 14:13

Instrument :

MSVOA_R

ClientSampled :

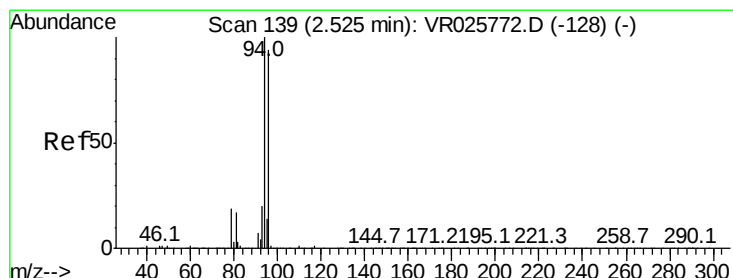
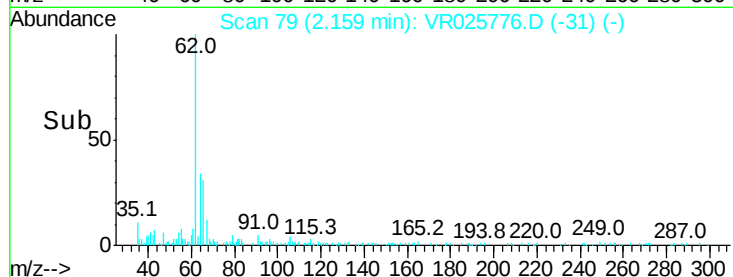
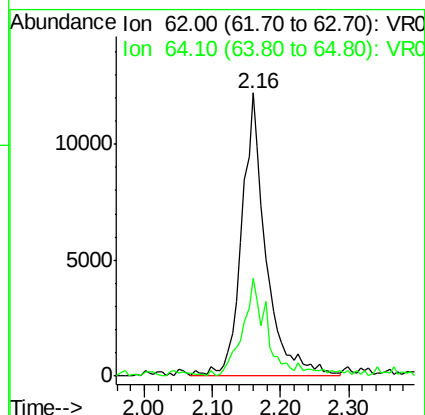
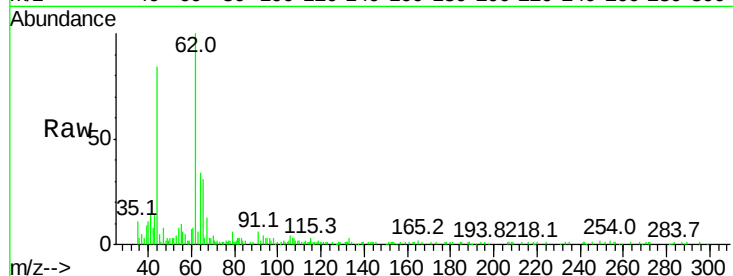
VSTD0.514

Tgt Ion: 62 Resp: 30336

Ion Ratio Lower Upper

62 100

64 34.4 20.9 38.9



#6

Bromomethane

Concen: 0.804 ug/L

RT: 2.51 min Scan# 137

Delta R.T. -0.01 min

Lab File: VR025776.D

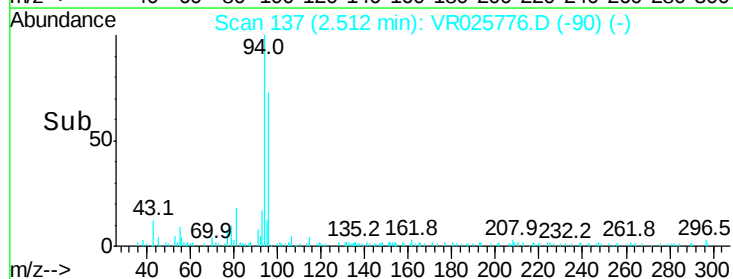
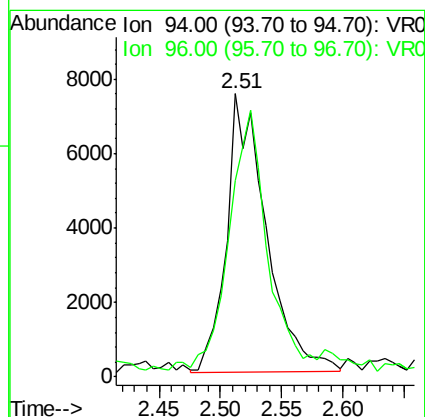
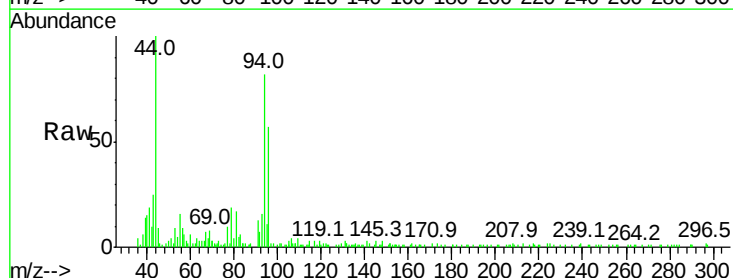
Acq: 20 Sep 2018 14:13

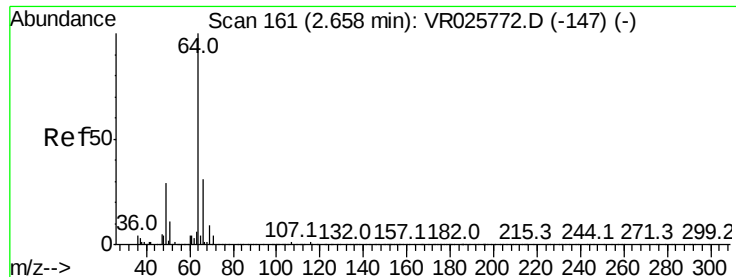
Tgt Ion: 94 Resp: 16697

Ion Ratio Lower Upper

94 100

96 69.6 66.1 122.7

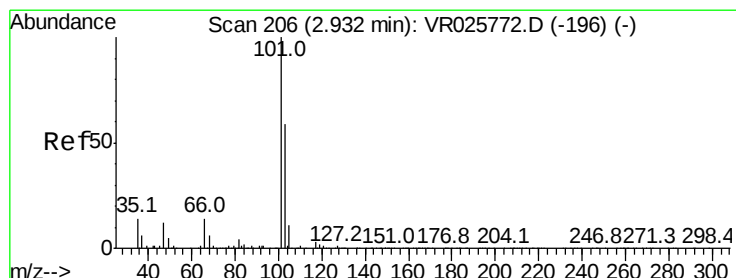
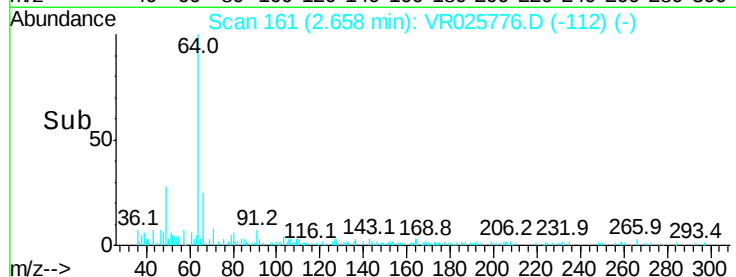
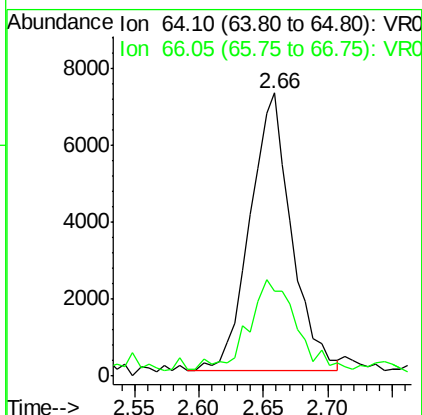
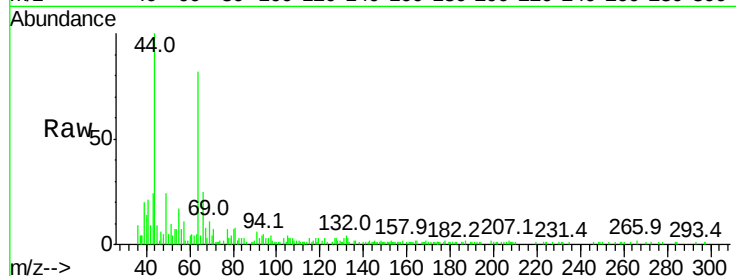




#8
Chloroethane
Concen: 0.942 ug/L
RT: 2.66 min Scan# 161
Delta R.T. -0.00 min
Lab File: VR025776.D
Acq: 20 Sep 2018 14:13

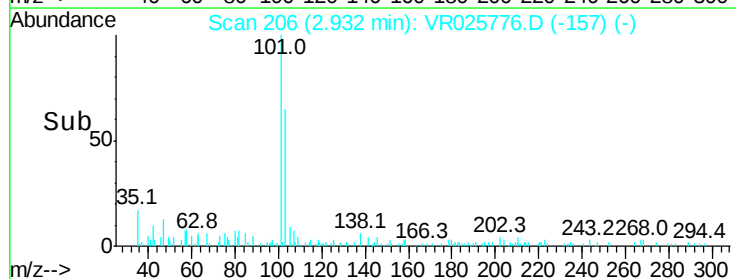
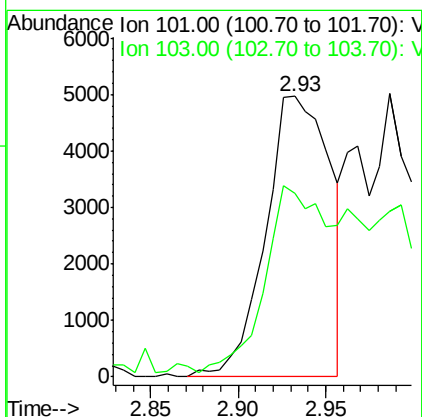
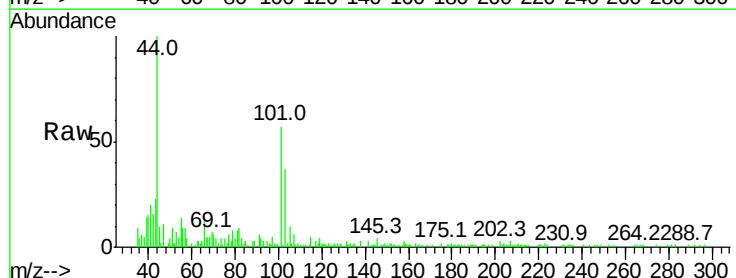
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.514

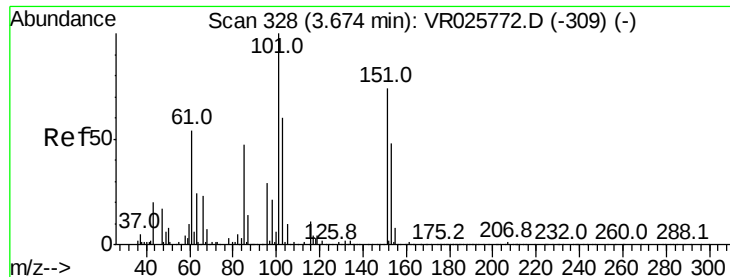
Tgt Ion: 64 Resp: 16037
Ion Ratio Lower Upper
64 100
66 29.9 21.9 40.7



#9
Trichlorofluoromethane
Concen: 0.238 ug/L
RT: 2.93 min Scan# 206
Delta R.T. -0.00 min
Lab File: VR025776.D
Acq: 20 Sep 2018 14:13

Tgt Ion: 101 Resp: 12738
Ion Ratio Lower Upper
101 100
103 66.6 20.2 30.2#





#10

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

Concen: 0.715 ug/L

RT: 3.68 min Scan# 329

Delta R.T. 0.01 min

Lab File: VR025776.D

Acq: 20 Sep 2018 14:13

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.514

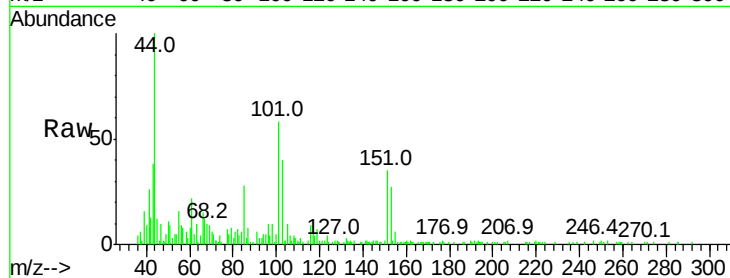
Tgt Ion:101 Resp: 20595

Ion Ratio Lower Upper

101 100

85 49.2 37.6 56.4

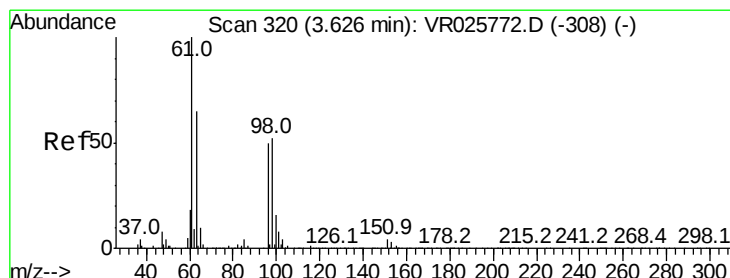
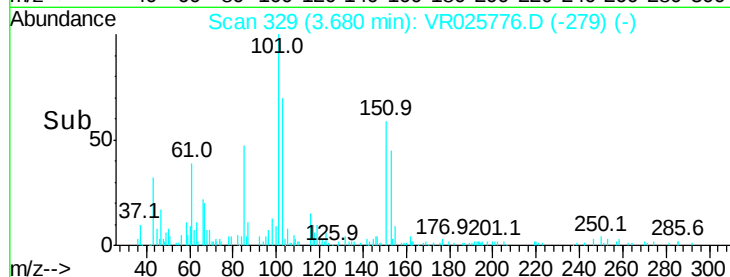
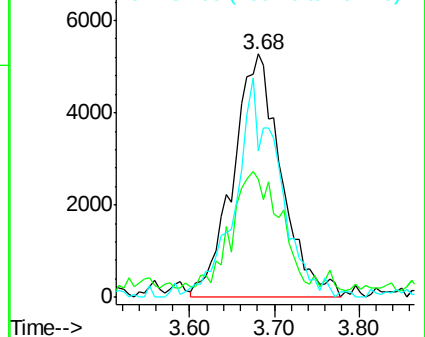
151 79.9 60.9 91.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VR0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.759 ug/L

RT: 3.62 min Scan# 319

Delta R.T. -0.01 min

Lab File: VR025776.D

Acq: 20 Sep 2018 14:13

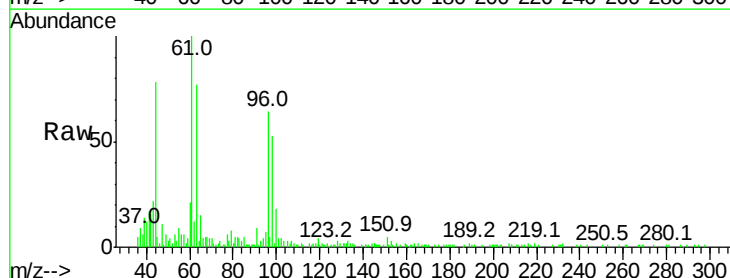
Tgt Ion: 96 Resp: 23064

Ion Ratio Lower Upper

96 100

61 157.2 138.7 257.7

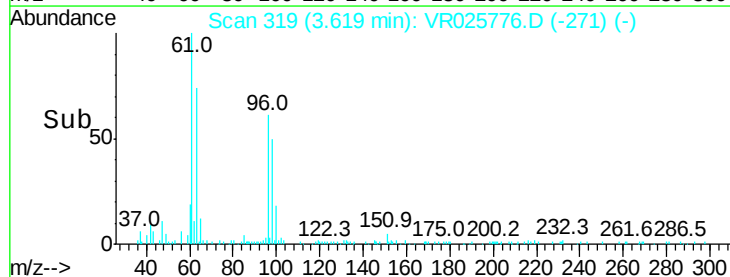
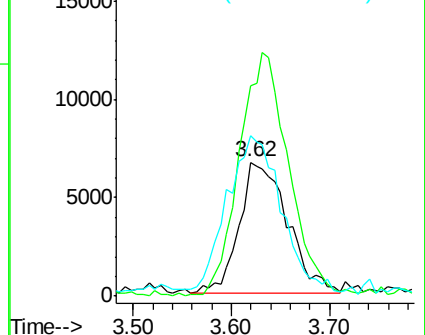
63 120.4 90.9 168.7

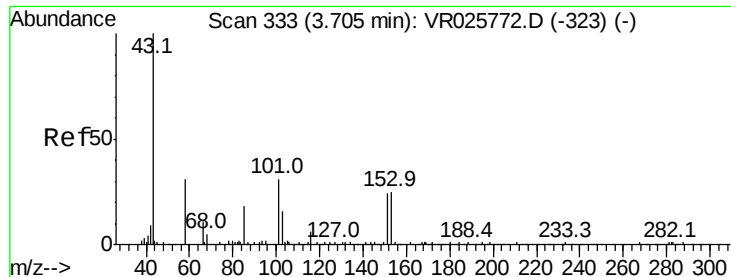


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0

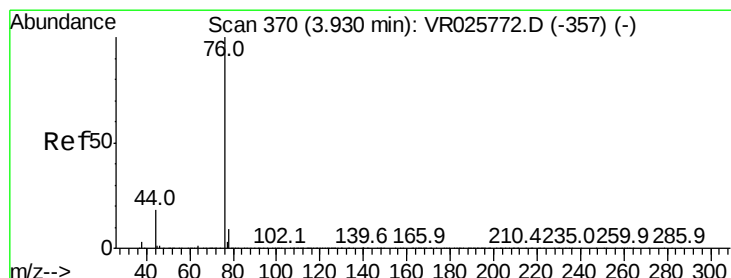
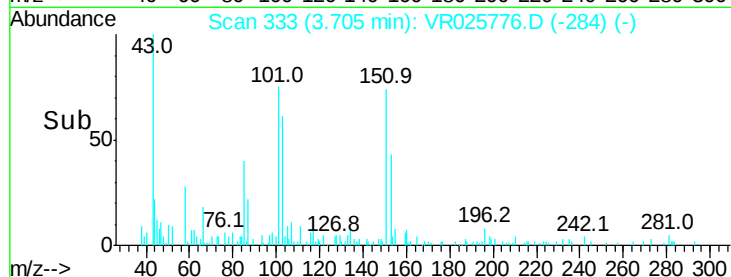
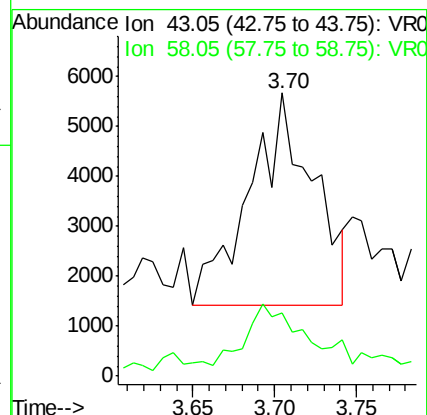
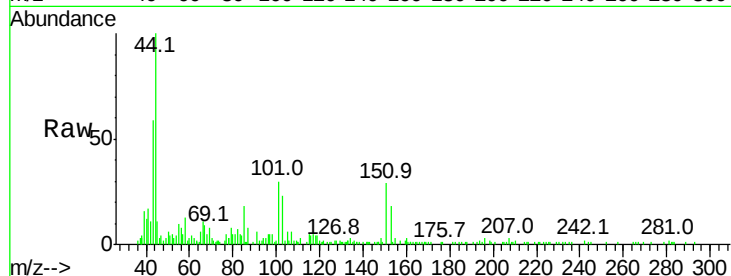




#13
Acetone
Concen: 8.434 ug/L
RT: 3.70 min Scan# 333
Delta R.T. -0.00 min
Lab File: VR025776.D
Acq: 20 Sep 2018 14:13

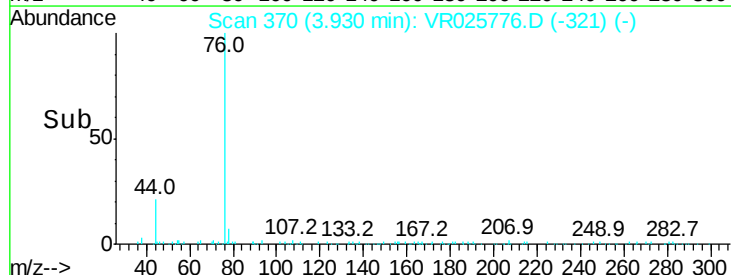
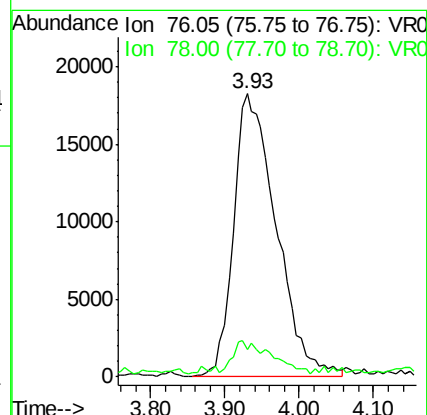
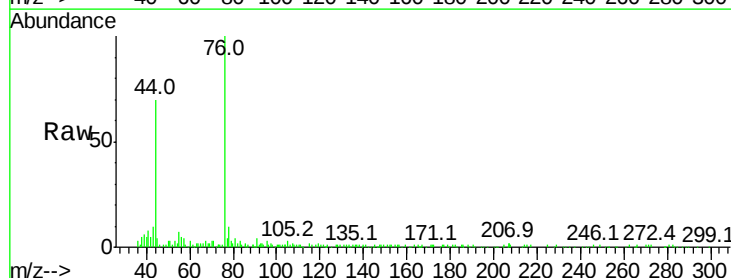
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.514

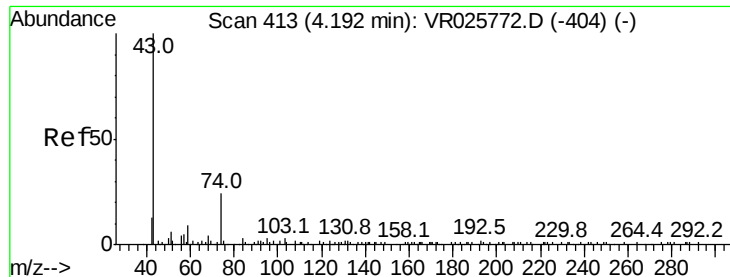
Tgt Ion: 43 Resp: 11625
Ion Ratio Lower Upper
43 100
58 23.7 0.0 63.0



#14
Carbon disulfide
Concen: 1.017 ug/L
RT: 3.93 min Scan# 370
Delta R.T. -0.00 min
Lab File: VR025776.D
Acq: 20 Sep 2018 14:13

Tgt Ion: 76 Resp: 72939
Ion Ratio Lower Upper
76 100
78 9.6 7.6 11.4





#15

Methyl Acetate

Concen: 1.374 ug/L

RT: 4.21 min Scan# 416

Delta R.T. 0.02 min

Lab File: VR025776.D

Acq: 20 Sep 2018 14:13

Instrument :

MSVOA_R

ClientSampleId :

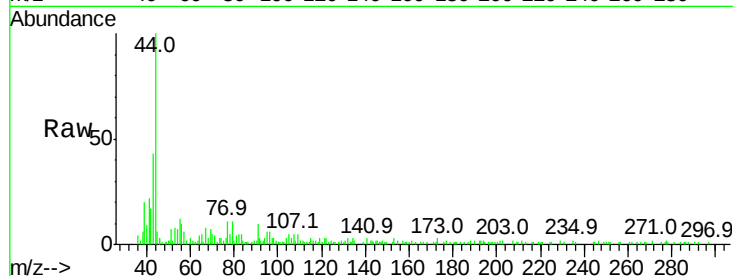
VSTD0.514

Tgt Ion: 43 Resp: 6753

Ion Ratio Lower Upper

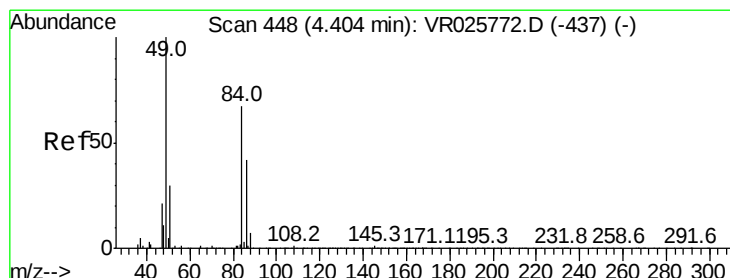
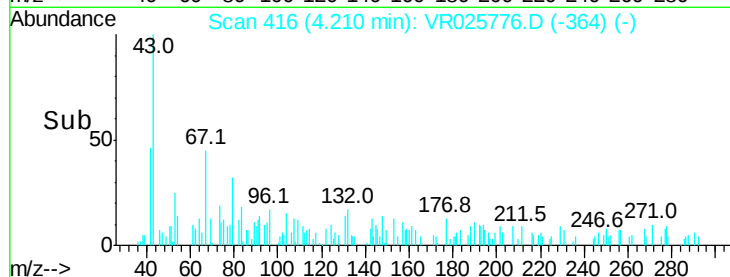
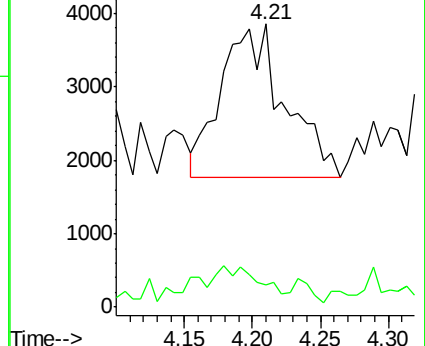
43 100

74 4.6 21.1 31.7#



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 74.05 (73.75 to 74.75): VR0



#16

Methylene chloride

Concen: 0.715 ug/L

RT: 4.41 min Scan# 449

Delta R.T. 0.01 min

Lab File: VR025776.D

Acq: 20 Sep 2018 14:13

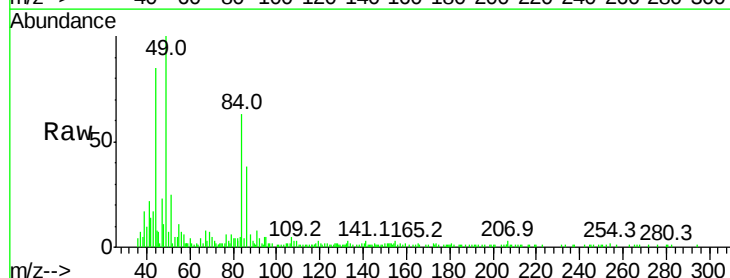
Tgt Ion: 84 Resp: 19250

Ion Ratio Lower Upper

84 100

86 60.4 44.2 82.0

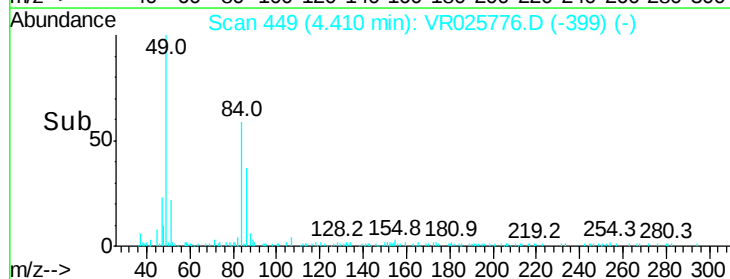
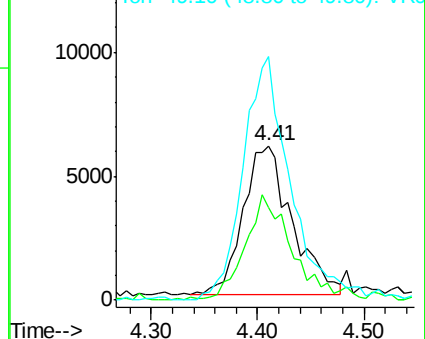
49 158.1 103.9 192.9

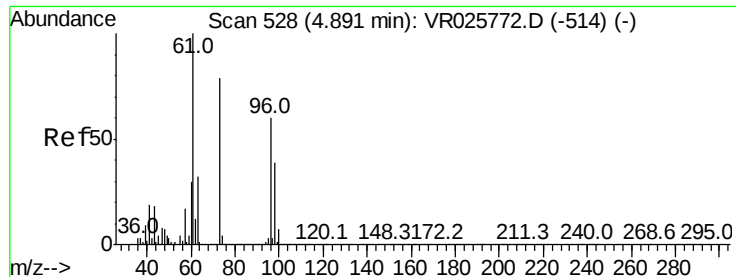


Abundance Ion 84.05 (83.75 to 84.75): VR0

Ion 86.00 (85.70 to 86.70): VR0

Ion 49.10 (48.80 to 49.80): VR0





#17

Methyl tert-butyl Ether

Concen: 1.108 ug/L

RT: 4.89 min Scan# 528

Delta R.T. -0.00 min

Lab File: VR025776.D

Acq: 20 Sep 2018 14:13

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.514

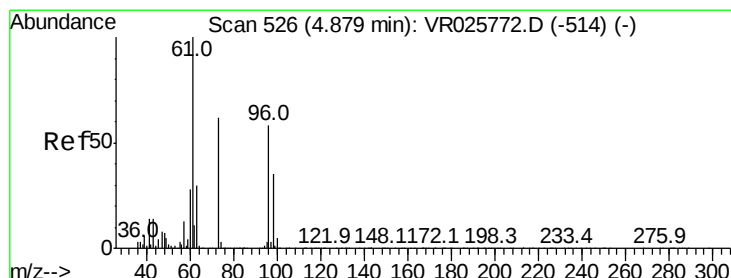
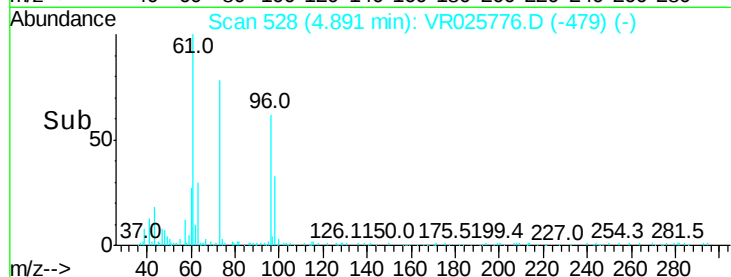
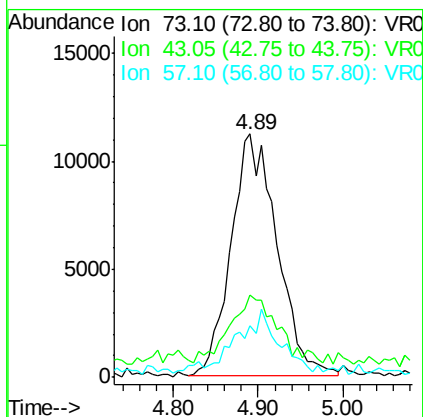
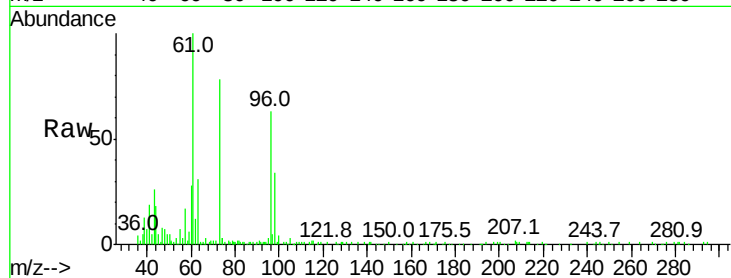
Tgt Ion: 73 Resp: 41429

Ion Ratio Lower Upper

73 100

43 30.3 20.4 30.6

57 22.9 17.8 26.6



#18

trans-1,2-Dichloroethene

Concen: 0.715 ug/L

RT: 4.89 min Scan# 528

Delta R.T. 0.01 min

Lab File: VR025776.D

Acq: 20 Sep 2018 14:13

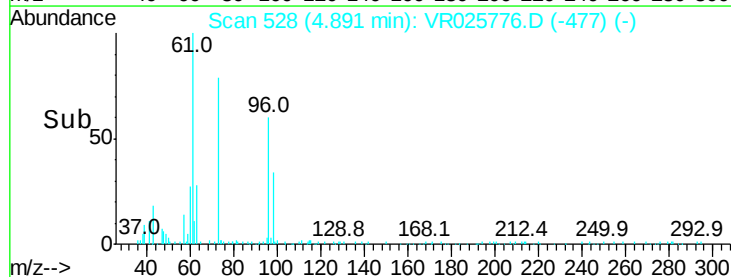
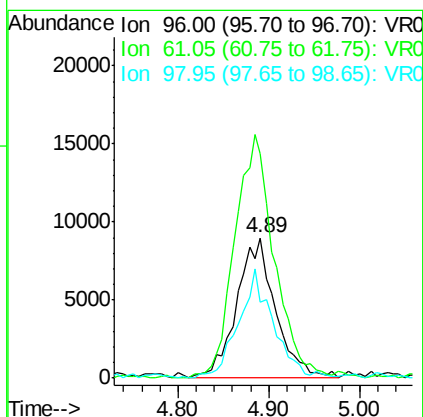
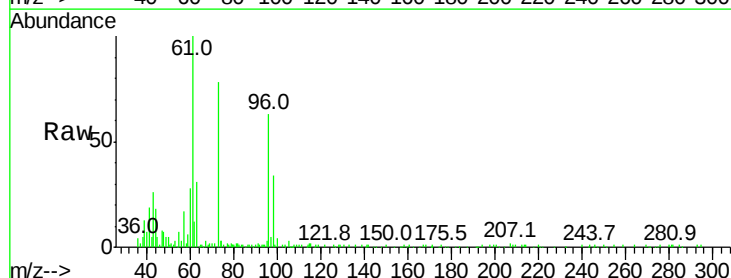
Tgt Ion: 96 Resp: 26567

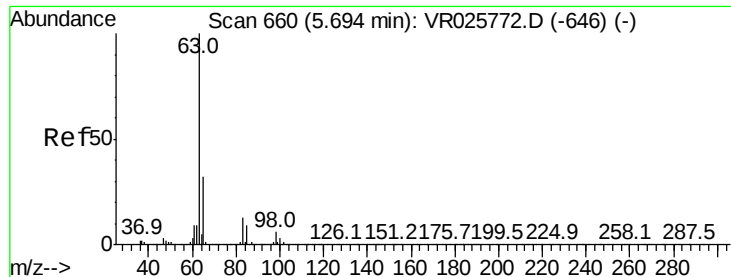
Ion Ratio Lower Upper

96 100

61 160.0 121.4 225.6

98 54.1 42.7 79.3





#19

1,1-Dichloroethane

Concen: 0.960 ug/L

RT: 5.69 min Scan# 659

Delta R.T. -0.01 min

Lab File: VR025776.D

Acq: 20 Sep 2018 14:13

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.514

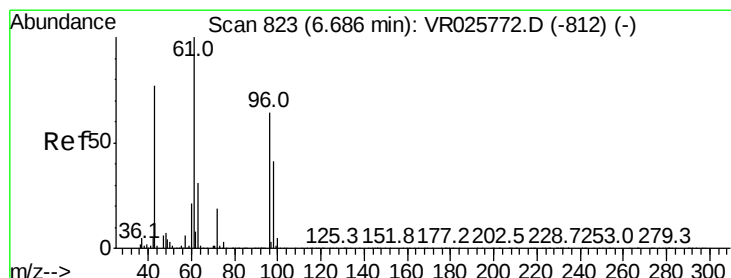
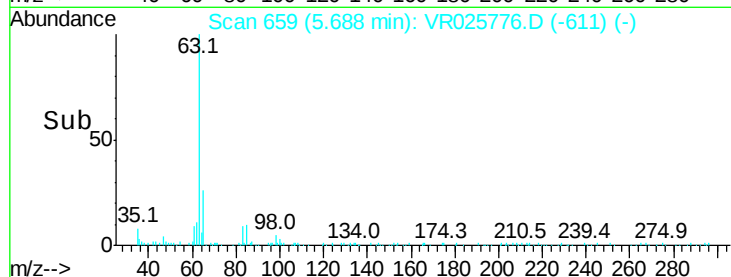
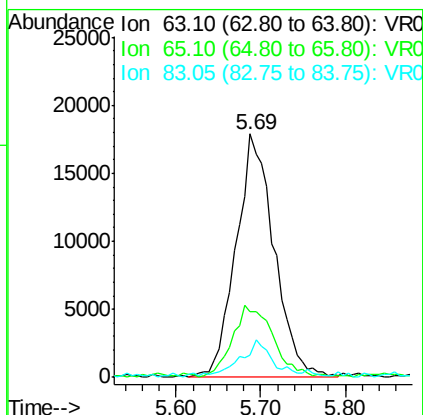
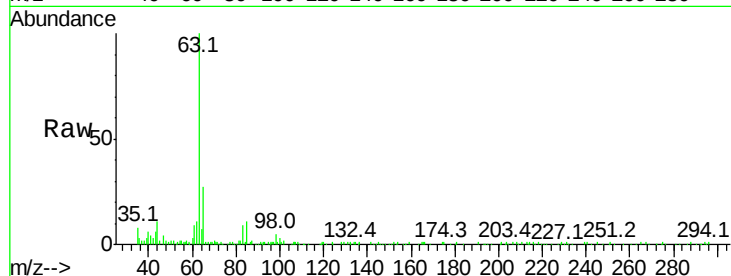
Tgt Ion: 63 Resp: 55013

Ion Ratio Lower Upper

63 100

65 26.9 22.7 42.1

83 9.3 9.3 17.3



#21

2-Butanone

Concen: 10.350 ug/L

RT: 6.70 min Scan# 825

Delta R.T. 0.01 min

Lab File: VR025776.D

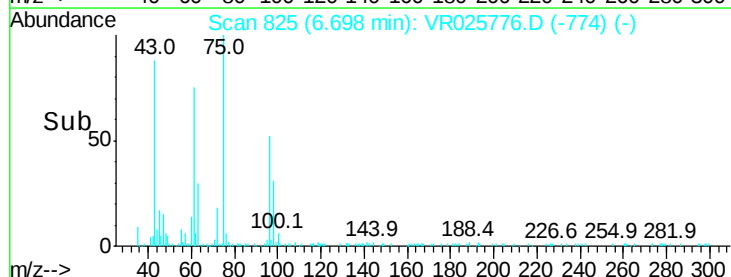
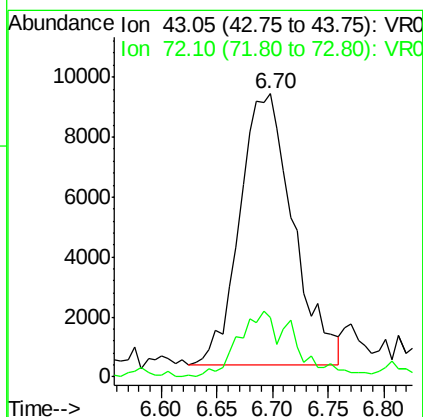
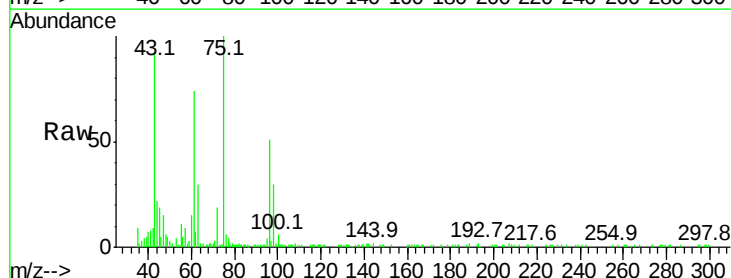
Acq: 20 Sep 2018 14:13

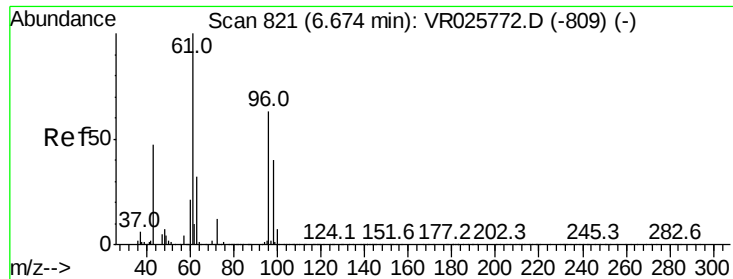
Tgt Ion: 43 Resp: 30109

Ion Ratio Lower Upper

43 100

72 16.2 12.4 37.0



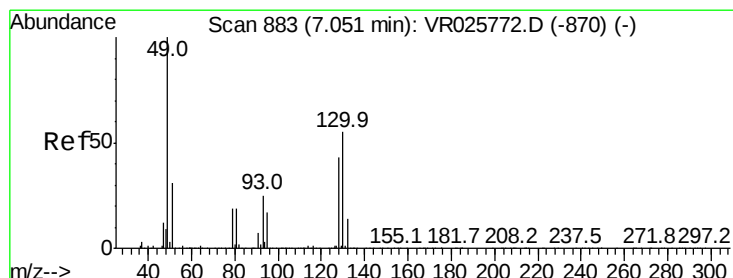
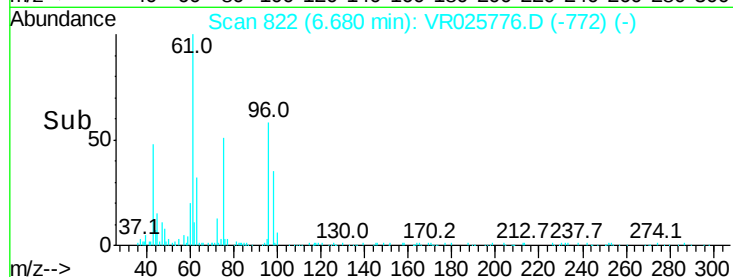
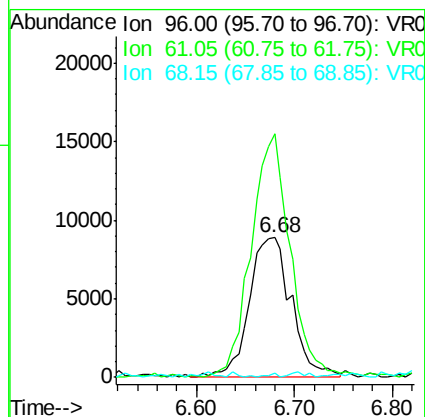
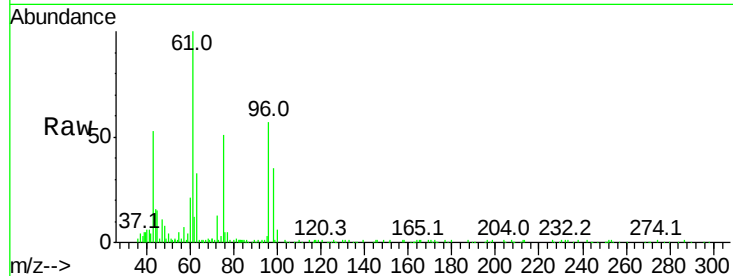


#22

cis-1,2-Dichloroethene
Concen: 0.824 ug/L
RT: 6.68 min Scan# 822
Delta R.T. 0.01 min
Lab File: VR025776.D
Acq: 20 Sep 2018 14:13

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.514

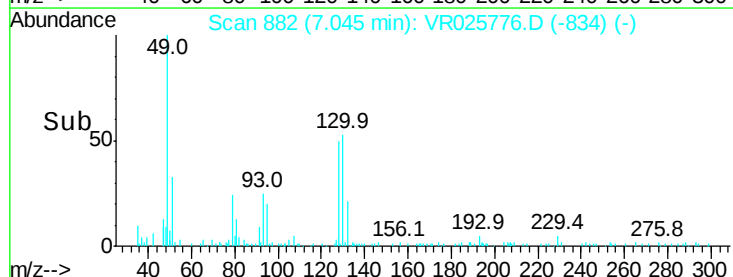
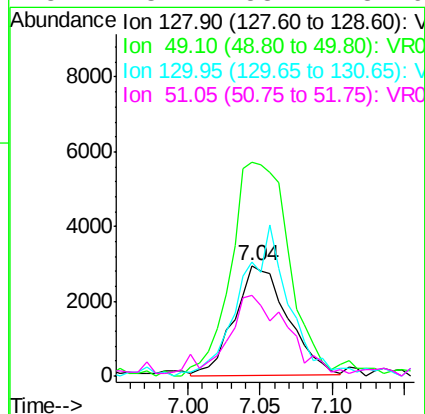
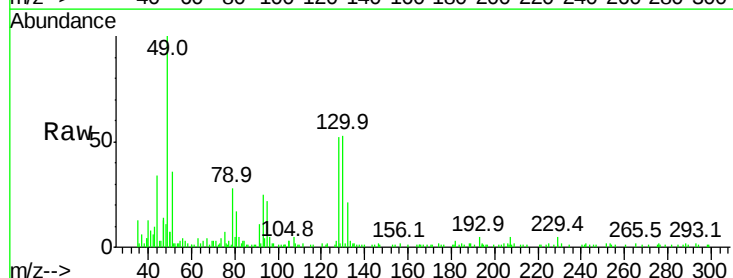
Tgt Ion: 96 Resp: 26638
Ion Ratio Lower Upper
96 100
61 174.1 110.8 205.8
68 2.8 0.1 0.1#

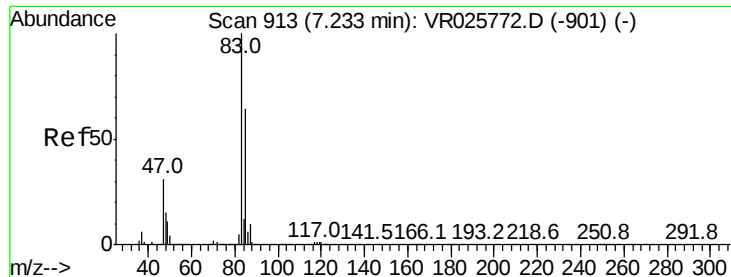


#23

Bromochloromethane
Concen: 0.681 ug/L
RT: 7.04 min Scan# 882
Delta R.T. -0.01 min
Lab File: VR025776.D
Acq: 20 Sep 2018 14:13

Tgt Ion: 128 Resp: 7554
Ion Ratio Lower Upper
128 100
49 193.6 161.5 299.9
130 102.7 89.5 166.1
51 73.4 58.4 87.6





#25

Chloroform

Concen: 0.985 ug/L

RT: 7.23 min Scan# 913

Delta R.T. -0.00 min

Lab File: VR025776.D

Acq: 20 Sep 2018 14:13

Instrument :

MSVOA_R

ClientSampleId :

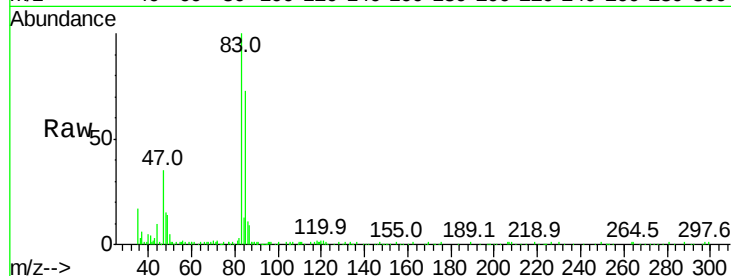
VSTD0.514

Tgt Ion: 83 Resp: 51549

Ion Ratio Lower Upper

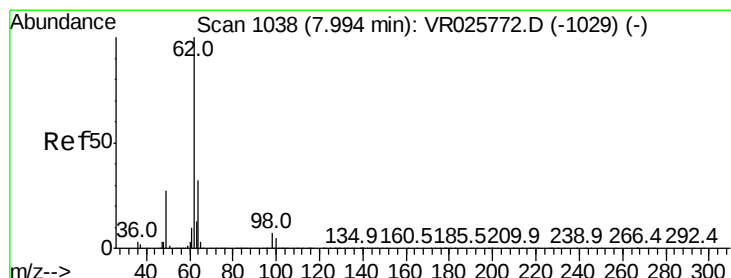
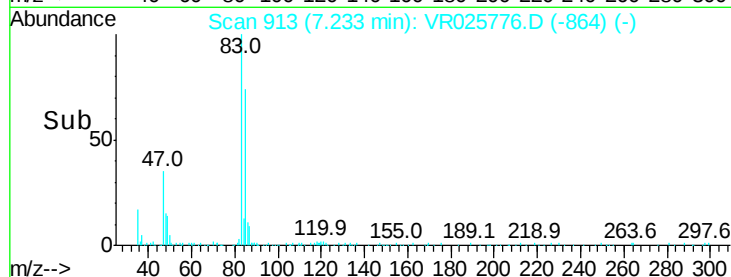
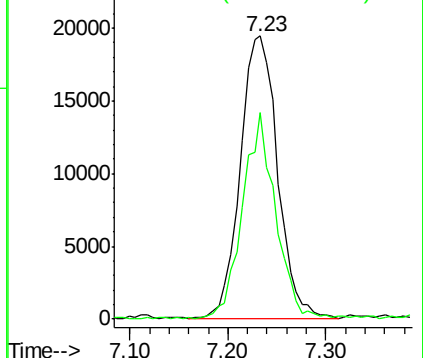
83 100

85 72.8 44.8 83.2



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0



#27

1,2-Dichloroethane

Concen: 1.211 ug/L

RT: 7.99 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VR025776.D

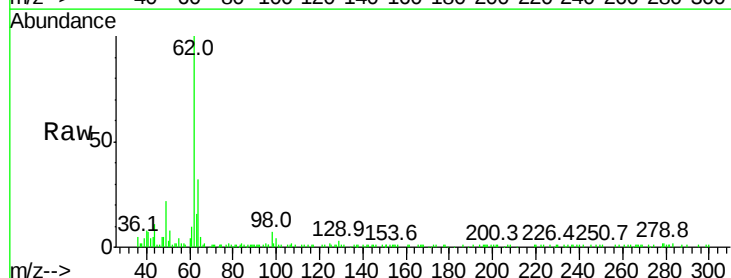
Acq: 20 Sep 2018 14:13

Tgt Ion: 62 Resp: 25014

Ion Ratio Lower Upper

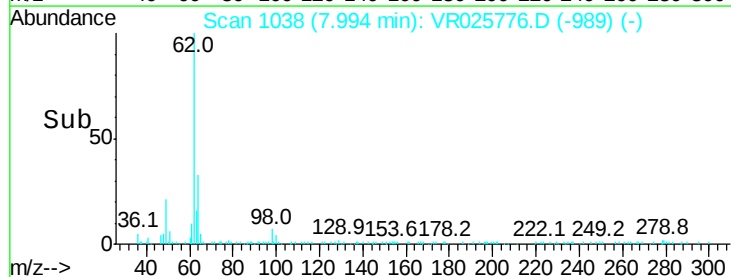
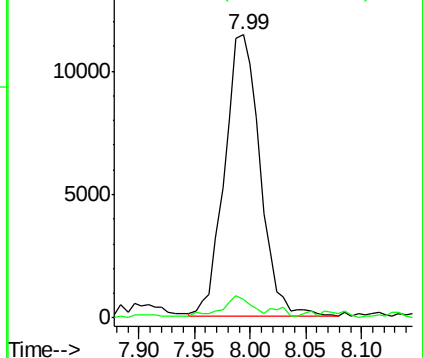
62 100

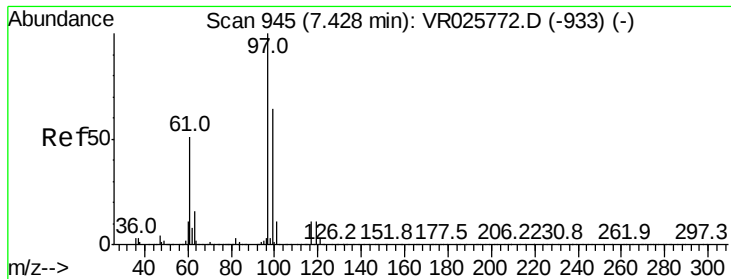
98 6.6 5.5 8.3



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 98.05 (97.75 to 98.75): VR0

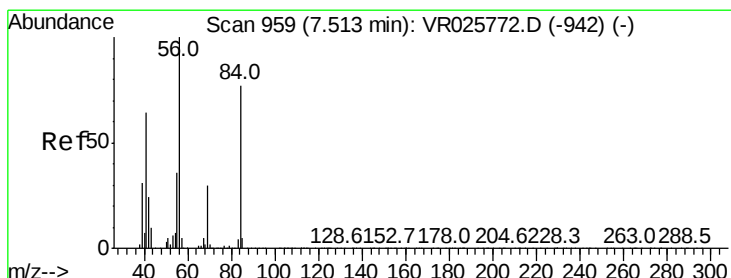
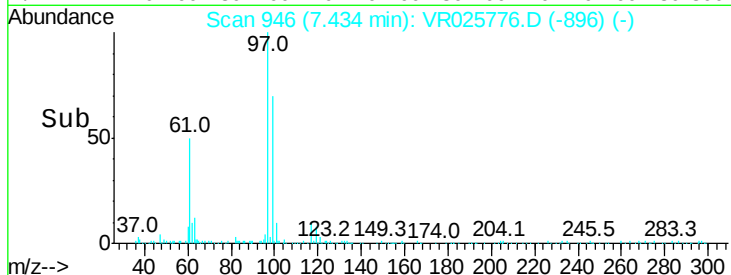
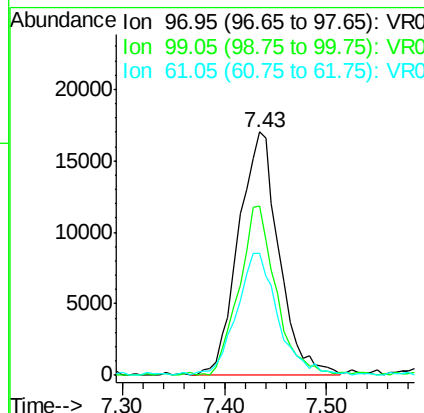
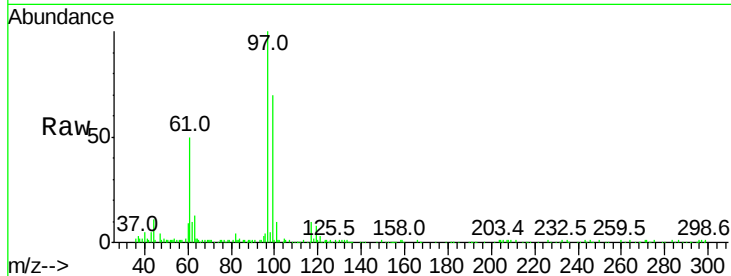




#29
 1,1,1-Trichloroethane
 Concen: 1.262 ug/L
 RT: 7.43 min Scan# 946
 Delta R.T. 0.01 min
 Lab File: VR025776.D
 Acq: 20 Sep 2018 14:13

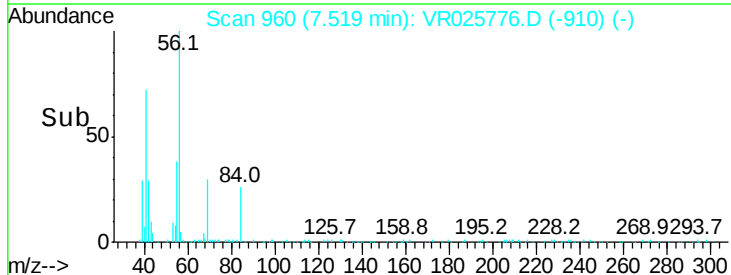
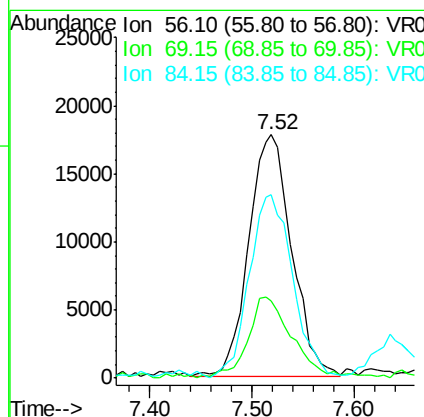
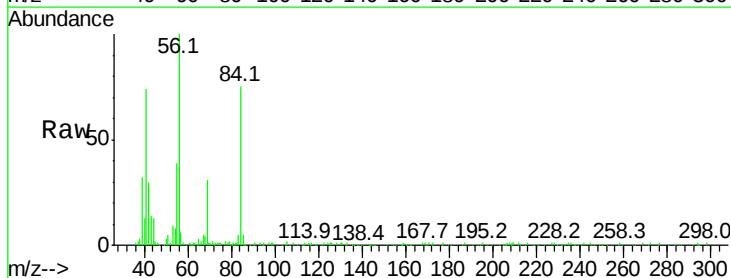
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.514

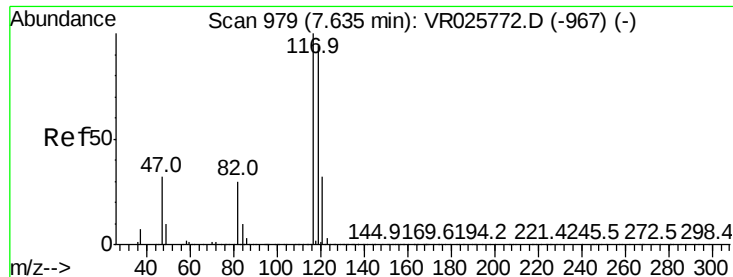
Tgt Ion: 97 Resp: 46811
 Ion Ratio Lower Upper
 97 100
 99 63.8 51.0 76.6
 61 51.4 40.4 60.6



#30
 Cyclohexane
 Concen: 1.156 ug/L
 RT: 7.52 min Scan# 960
 Delta R.T. 0.01 min
 Lab File: VR025776.D
 Acq: 20 Sep 2018 14:13

Tgt Ion: 56 Resp: 51527
 Ion Ratio Lower Upper
 56 100
 69 34.2 24.0 36.0
 84 76.6 60.2 90.4





#31

Carbon tetrachloride

Concen: 1.135 ug/L

RT: 7.63 min Scan# 979

Delta R.T. -0.00 min

Lab File: VR025776.D

Acq: 20 Sep 2018 14:13

Instrument :

MSVOA_R

ClientSampleId :

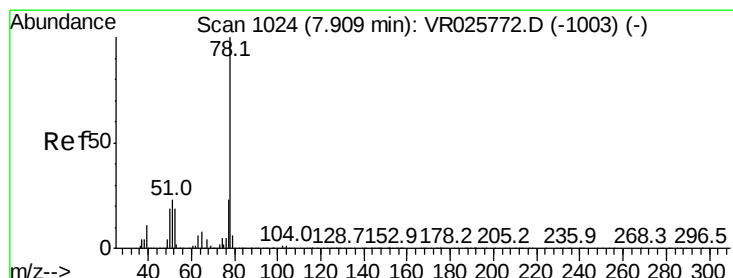
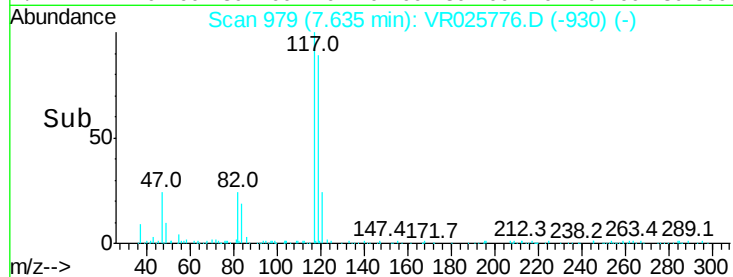
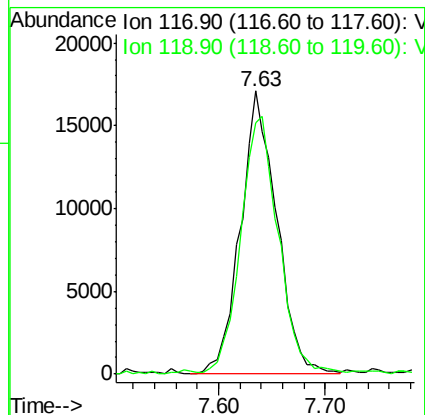
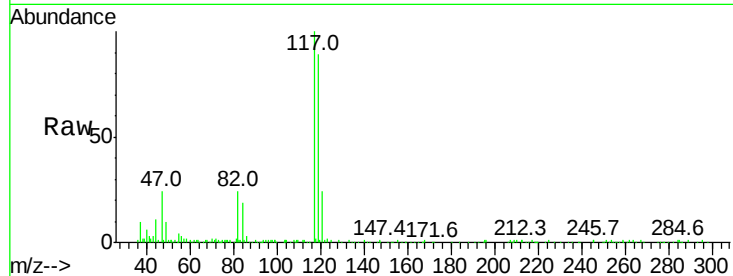
VSTD0.514

Tgt Ion:117 Resp: 40799

Ion Ratio Lower Upper

117 100

119 92.8 76.5 114.7



#33

Benzene

Concen: 0.830 ug/L

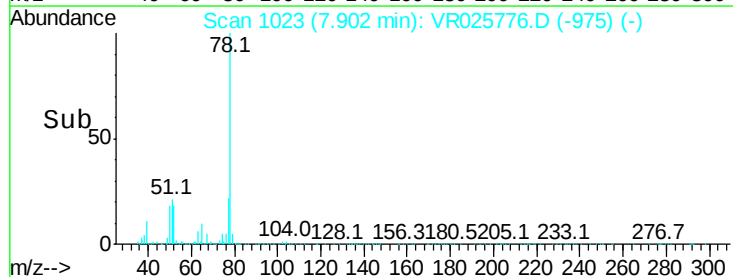
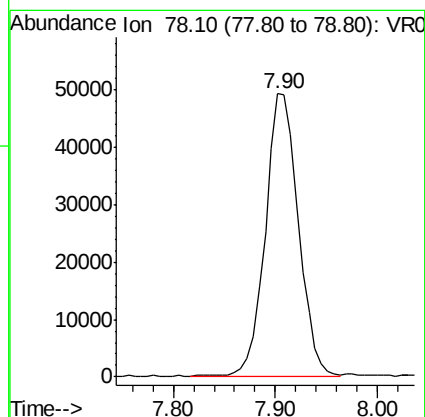
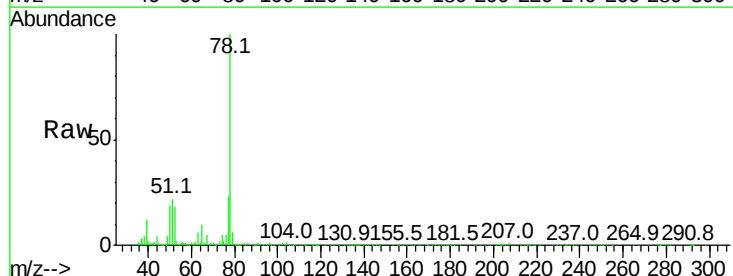
RT: 7.90 min Scan# 1023

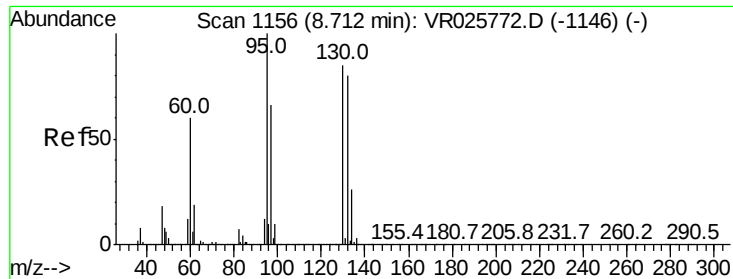
Delta R.T. -0.01 min

Lab File: VR025776.D

Acq: 20 Sep 2018 14:13

Tgt Ion: 78 Resp: 110070





#34

Trichloroethene

Concen: 0.937 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VR025776.D

Acq: 20 Sep 2018 14:13

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.514

Tgt Ion: 95 Resp: 30114

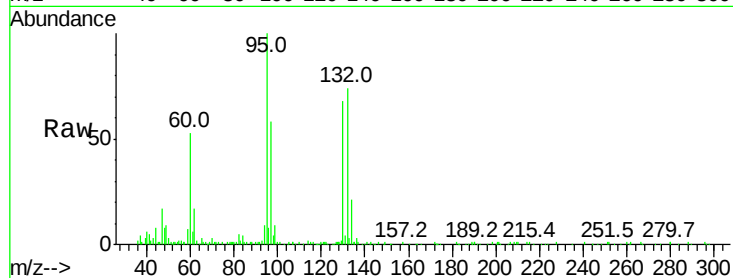
Ion Ratio Lower Upper

95 100

97 57.7 46.2 85.8

132 74.3 56.0 104.0

130 68.2 59.6 110.8

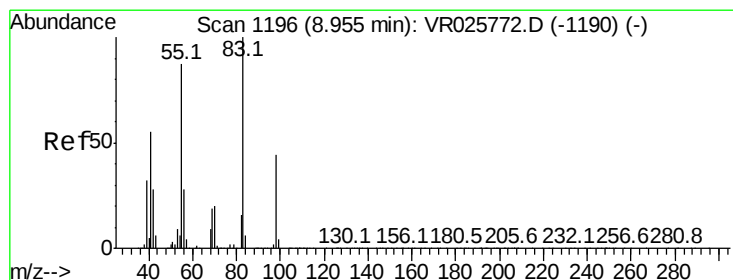
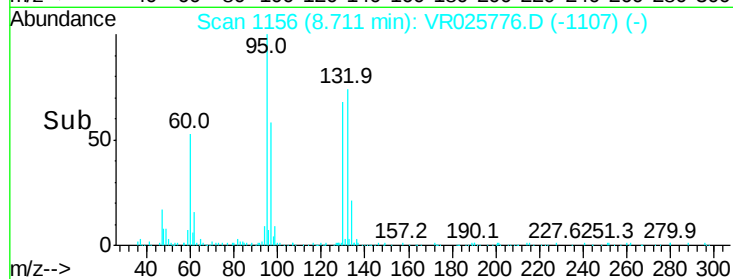
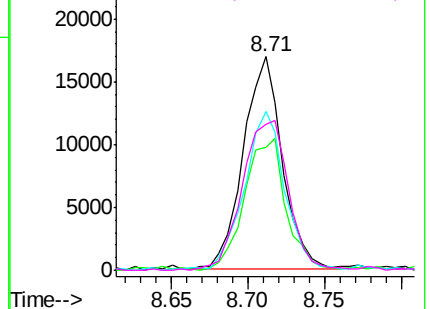


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 1.011 ug/L

RT: 8.95 min Scan# 1196

Delta R.T. -0.00 min

Lab File: VR025776.D

Acq: 20 Sep 2018 14:13

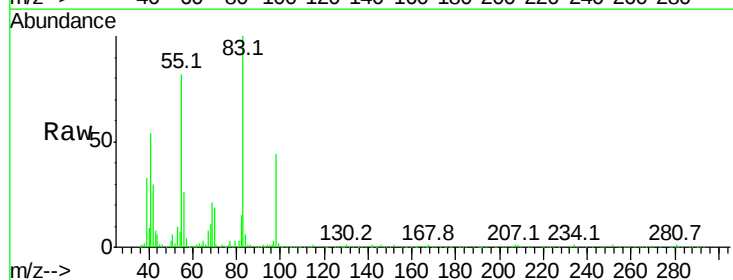
Tgt Ion: 83 Resp: 50150

Ion Ratio Lower Upper

83 100

55 87.8 70.3 105.5

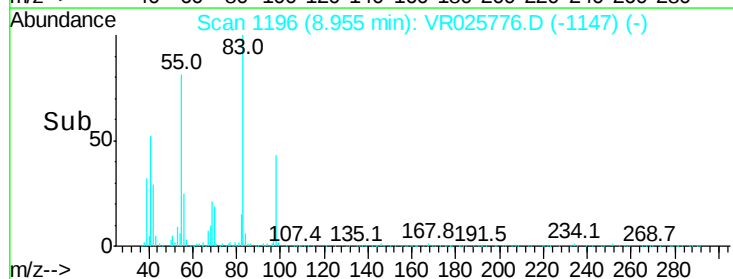
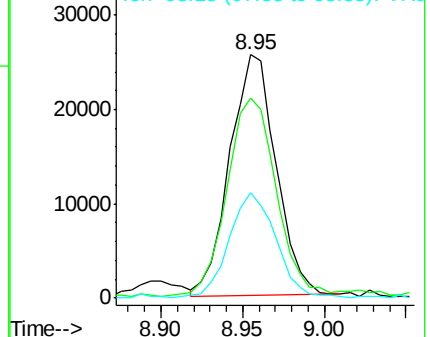
98 44.3 34.4 51.6

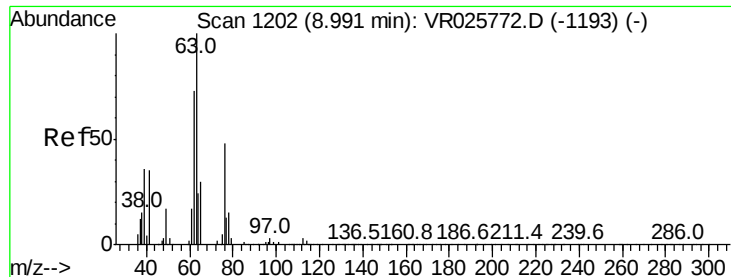


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 0.781 ug/L

RT: 8.99 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VR025776.D

Acq: 20 Sep 2018 14:13

Instrument :

MSVOA_R

ClientSampled :

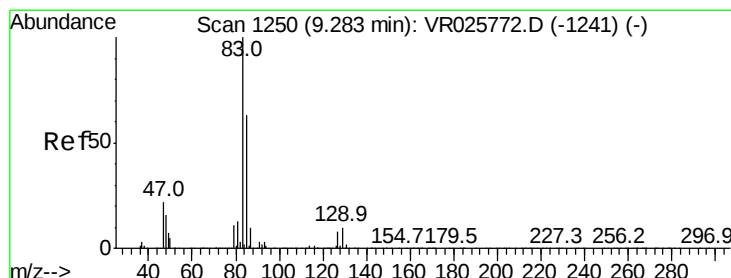
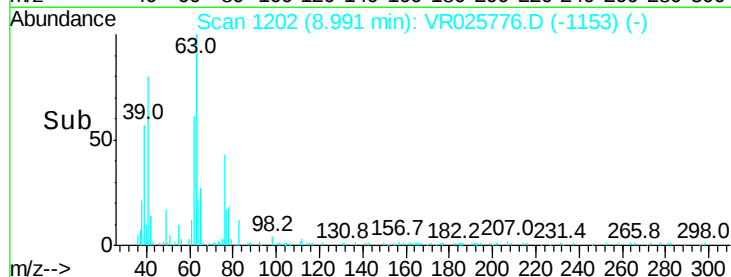
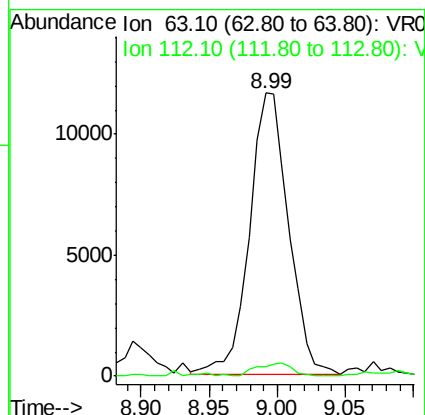
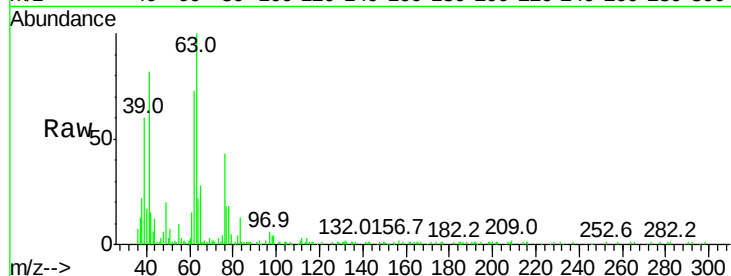
VSTD0.514

Tgt Ion: 63 Resp: 23348

Ion Ratio Lower Upper

63 100

112 4.2 3.0 4.6



#38

Bromodichloromethane

Concen: 1.059 ug/L

RT: 9.28 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VR025776.D

Acq: 20 Sep 2018 14:13

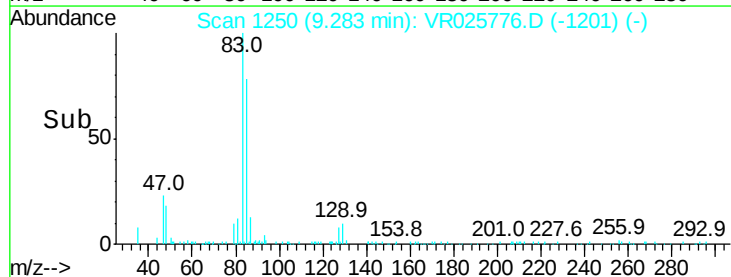
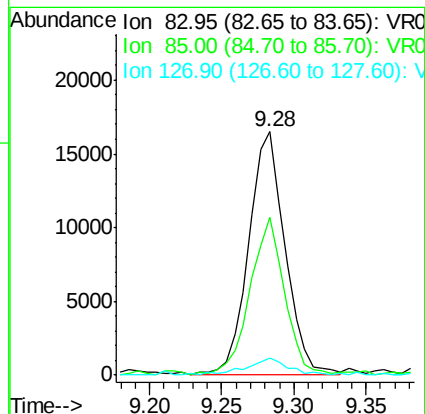
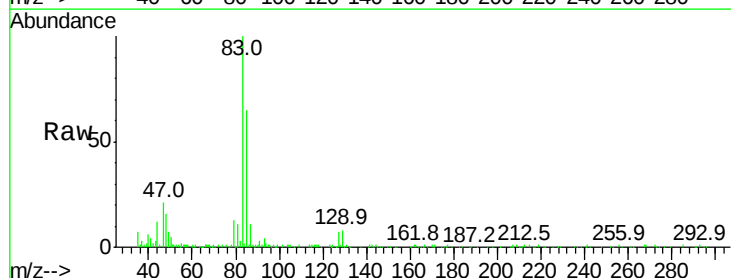
Tgt Ion: 83 Resp: 28449

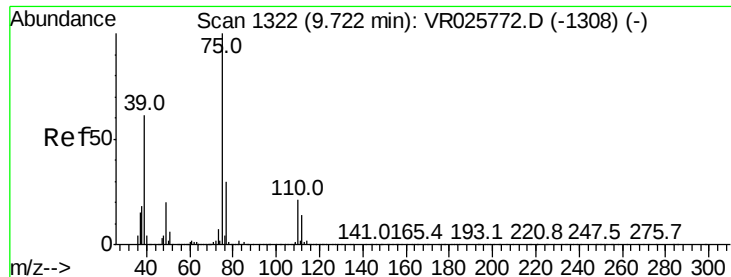
Ion Ratio Lower Upper

83 100

85 64.6 44.2 82.0

127 7.1 6.0 9.0



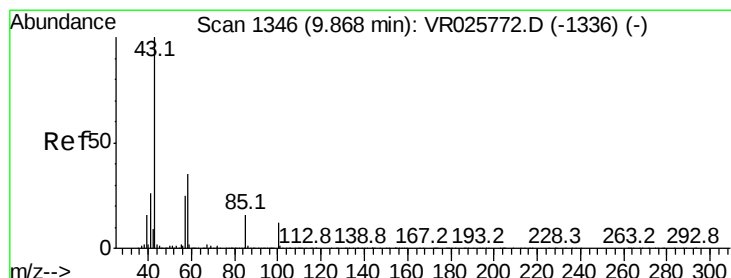
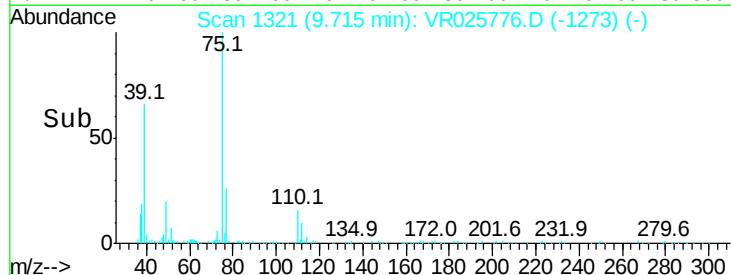
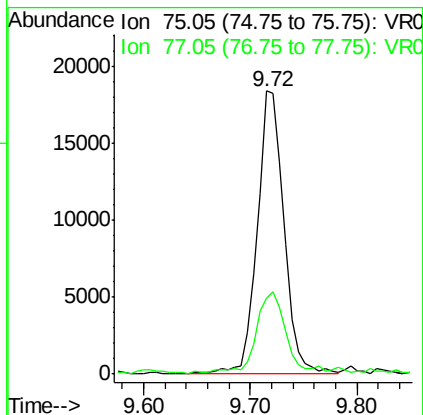
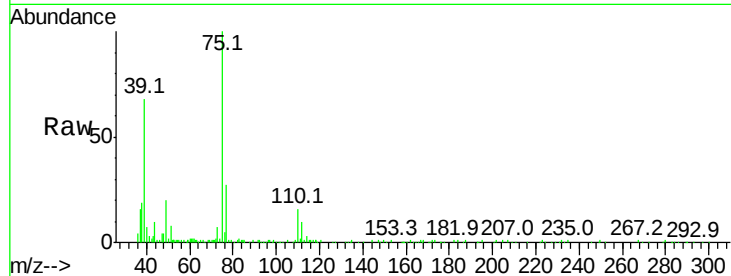


#39

cis-1,3-Dichloropropene
Concen: 1.063 ug/L
RT: 9.72 min Scan# 1321
Delta R.T. -0.01 min
Lab File: VR025776.D
Acq: 20 Sep 2018 14:13

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.514

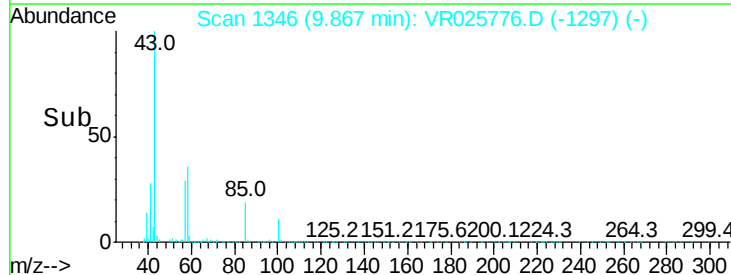
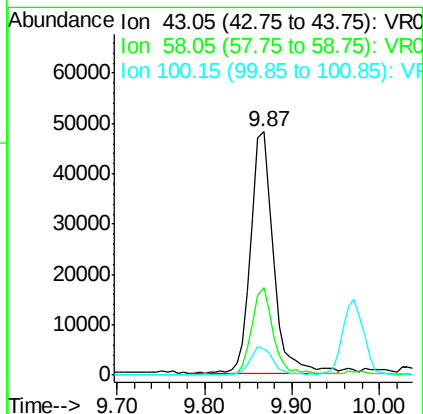
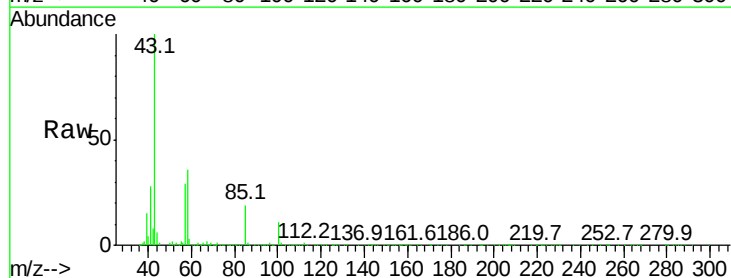
Tgt Ion: 75 Resp: 32520
Ion Ratio Lower Upper
75 100
77 27.0 21.2 39.4

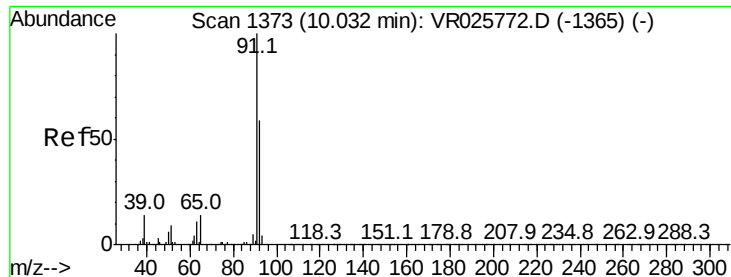


#40

4-Methyl-2-pentanone
Concen: 11.776 ug/L
RT: 9.87 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VR025776.D
Acq: 20 Sep 2018 14:13

Tgt Ion: 43 Resp: 87043
Ion Ratio Lower Upper
43 100
58 34.6 28.3 42.5
100 11.7 9.3 13.9





#42

Toluene

Concen: 0.821 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. -0.00 min

Lab File: VR025776.D

Acq: 20 Sep 2018 14:13

Instrument :

MSVOA_R

ClientSampleId :

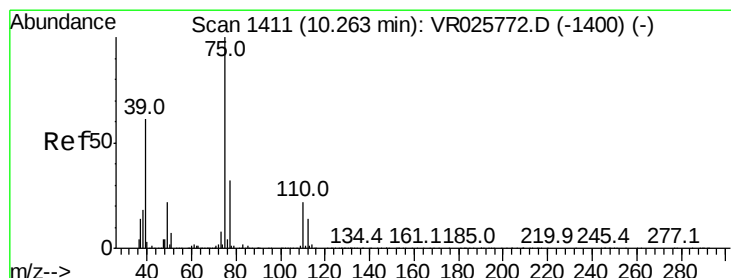
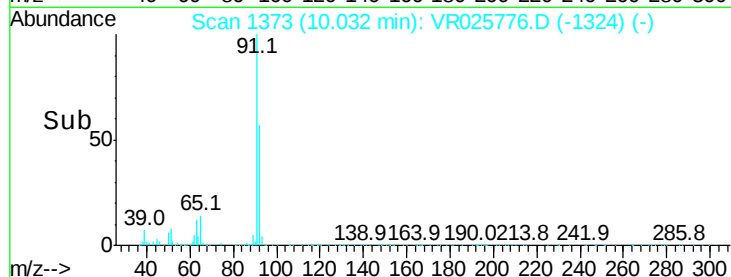
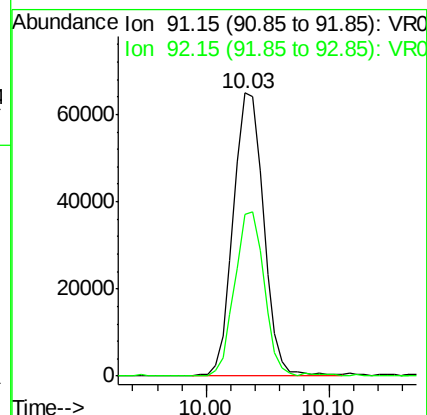
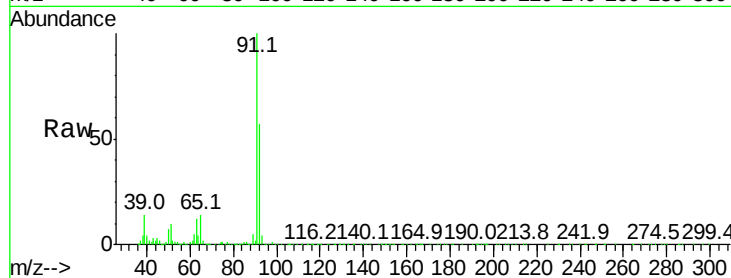
VSTD0.514

Tgt Ion: 91 Resp: 111479

Ion Ratio Lower Upper

91 100

92 57.0 41.1 76.3



#44

trans-1,3-Dichloropropene

Concen: 1.059 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR025776.D

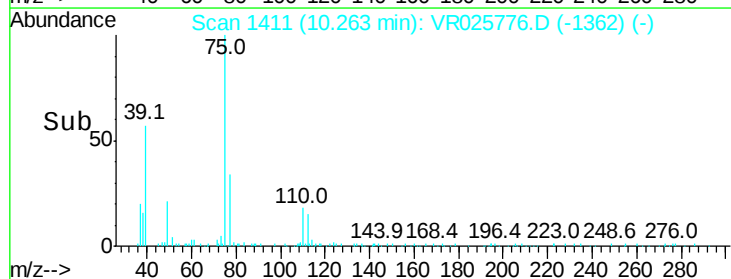
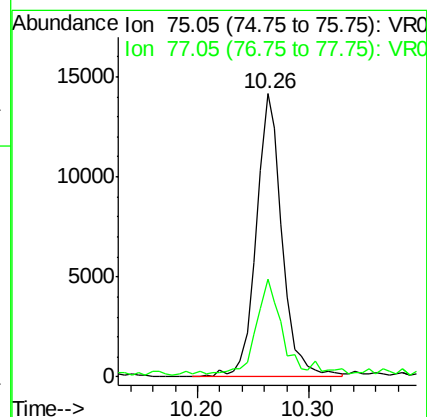
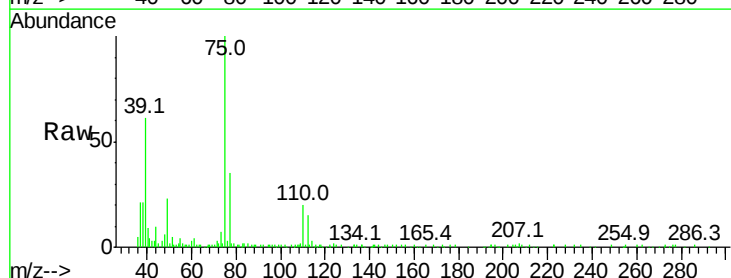
Acq: 20 Sep 2018 14:13

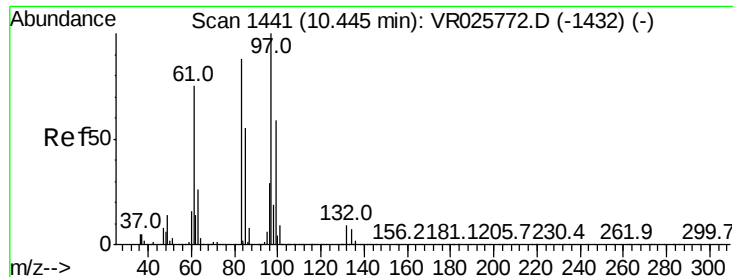
Tgt Ion: 75 Resp: 22775

Ion Ratio Lower Upper

75 100

77 34.6 22.6 42.0





#45

1,1,2-Trichloroethane

Concen: 0.719 ug/L

RT: 10.45 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VR025776.D

Acq: 20 Sep 2018 14:13

Instrument :

MSVOA_R

ClientSampled :

VSTD0.514

Tgt Ion: 97 Resp: 10072

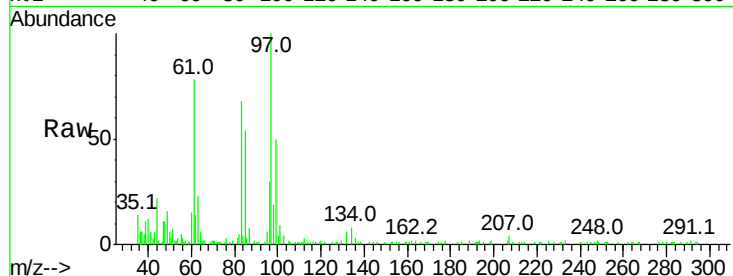
Ion Ratio Lower Upper

97 100

99 49.8 41.2 76.4

83 67.7 61.3 113.9

85 53.9 38.9 72.2

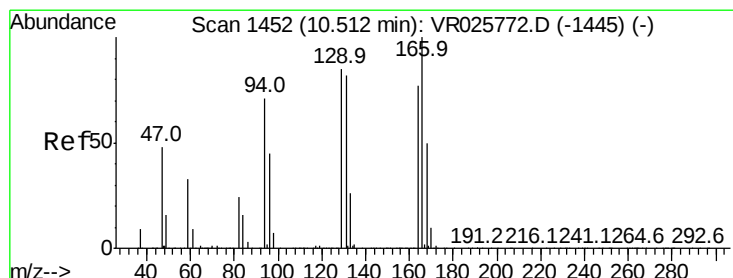
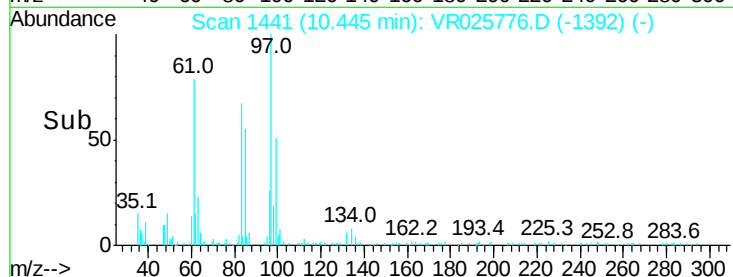
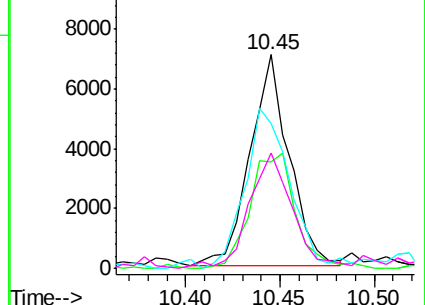


Abundance Ion 96.95 (96.65 to 97.65): VR0

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: 0.679 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VR025776.D

Acq: 20 Sep 2018 14:13

Tgt Ion: 164 Resp: 17884

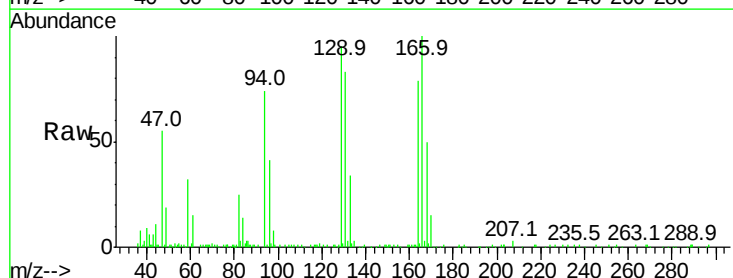
Ion Ratio Lower Upper

164 100

129 122.8 77.5 143.9

131 105.8 74.3 138.1

166 126.7 91.1 169.1

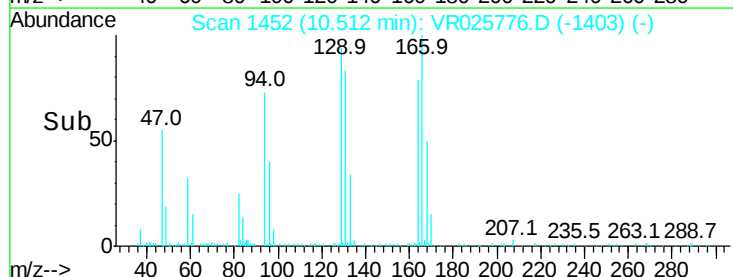
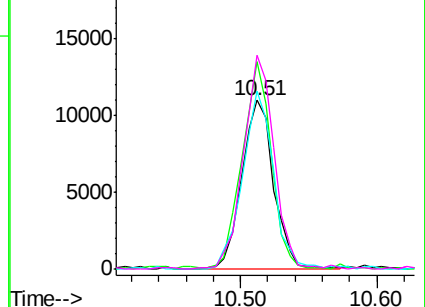


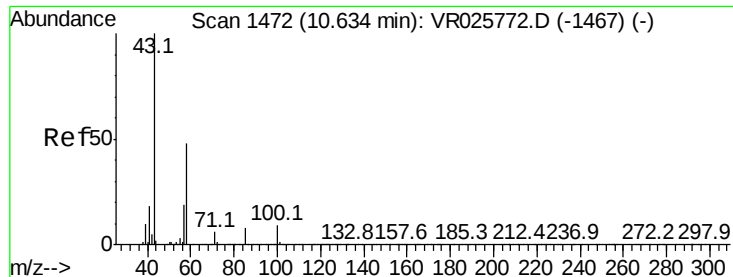
Abundance Ion 163.90 (163.60 to 164.60): V

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

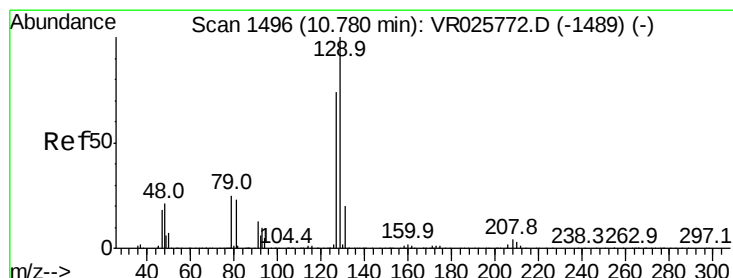
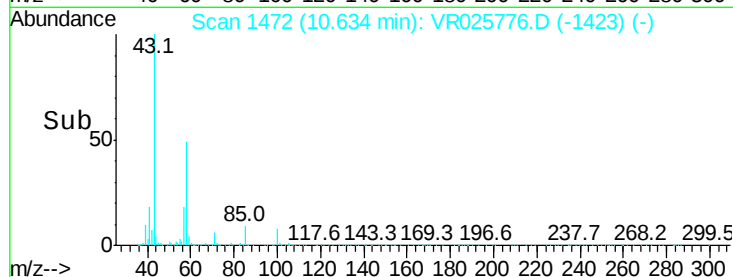
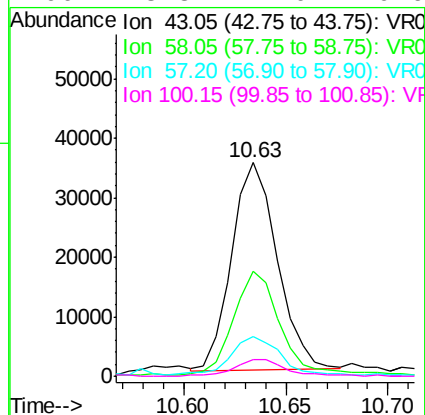
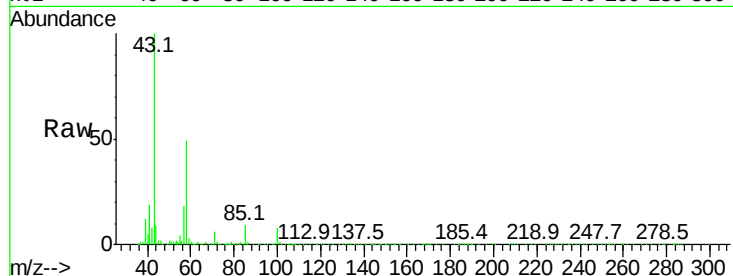




#48
2-Hexanone
Concen: 10.422 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR025776.D
Acq: 20 Sep 2018 14:13

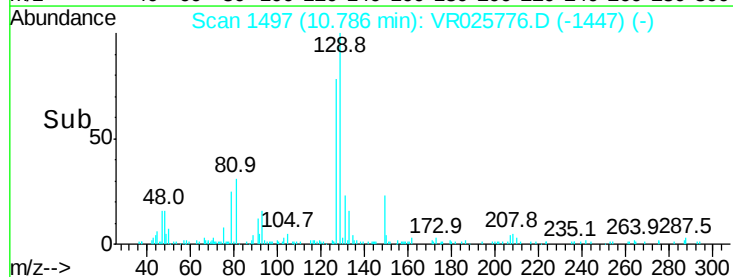
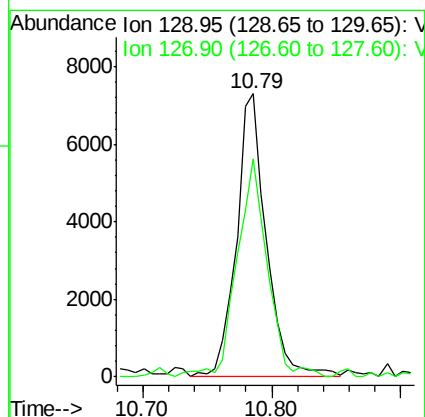
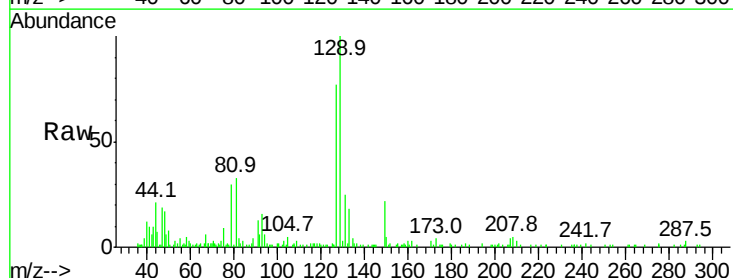
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.514

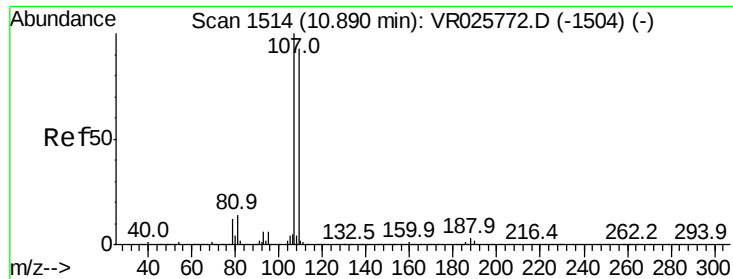
Tgt Ion:	43	Resp:	54026
Ion	Ratio	Lower	Upper
43	100		
58	51.8	39.9	59.9
57	19.2	14.3	21.5
100	8.8	7.0	10.6



#49
Dibromochloromethane
Concen: 0.788 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.01 min
Lab File: VR025776.D
Acq: 20 Sep 2018 14:13

Tgt Ion:	129	Resp:	11762
Ion	Ratio	Lower	Upper
129	100		
127	77.3	51.9	96.5

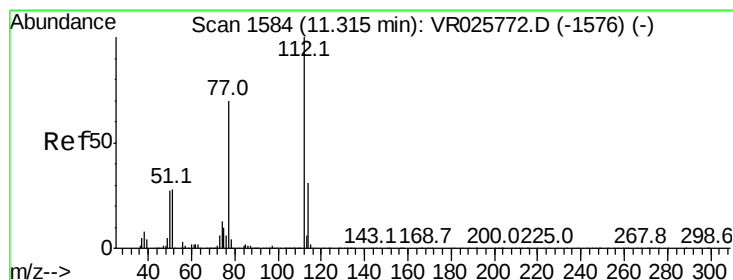
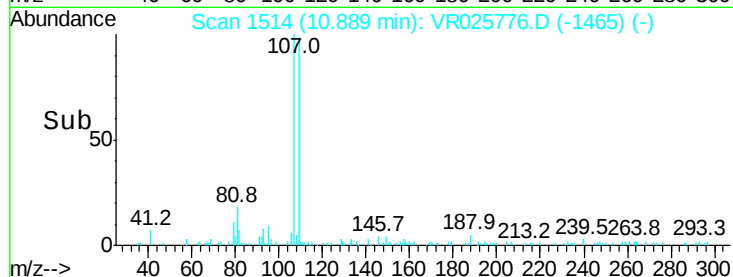
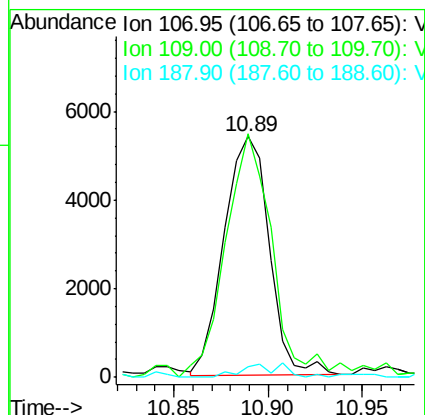
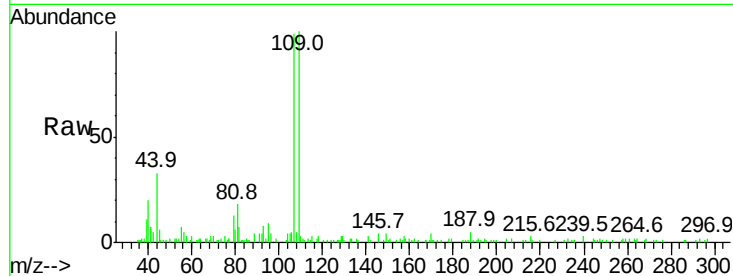




#50
1,2-Dibromoethane
Concen: 0.805 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VR025776.D
Acq: 20 Sep 2018 14:13

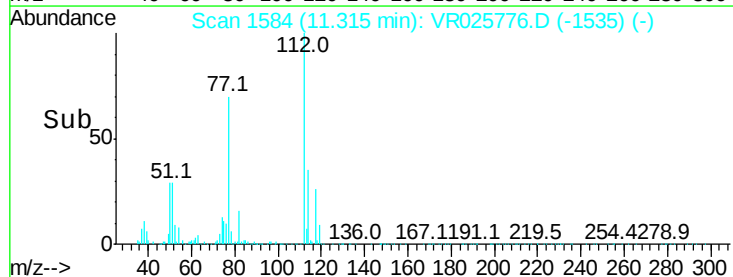
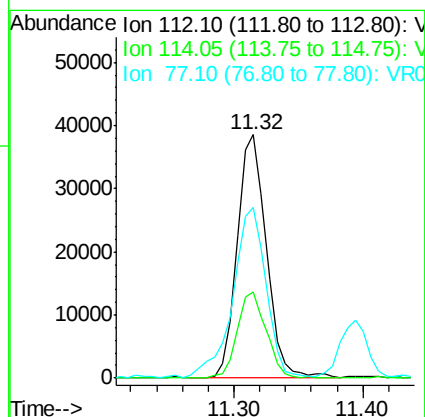
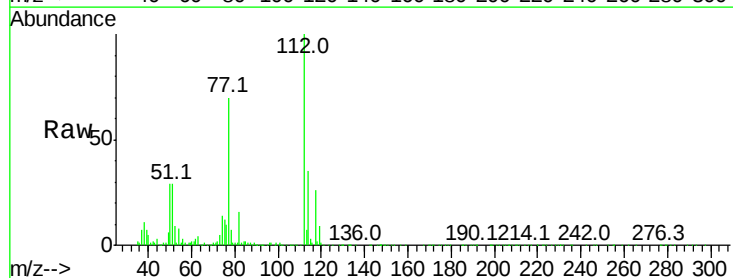
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.514

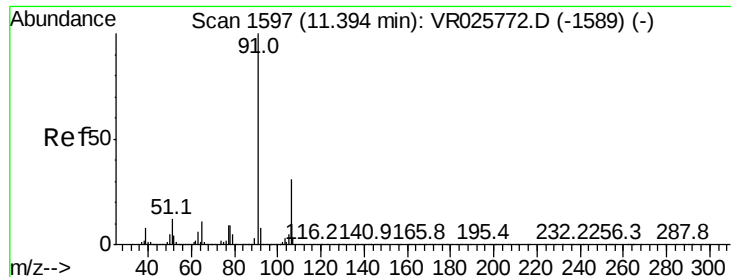
Tgt Ion:107 Resp: 8960
Ion Ratio Lower Upper
107 100
109 101.2 65.3 121.3
188 4.6 2.0 3.0#



#51
Chlorobenzene
Concen: 0.709 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VR025776.D
Acq: 20 Sep 2018 14:13

Tgt Ion:112 Resp: 60520
Ion Ratio Lower Upper
112 100
114 35.4 22.0 41.0
77 69.9 56.3 84.5





#52

Ethylbenzene

Concen: 0.909 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VR025776.D

Acq: 20 Sep 2018 14:13

Instrument :

MSVOA_R

ClientSampleId :

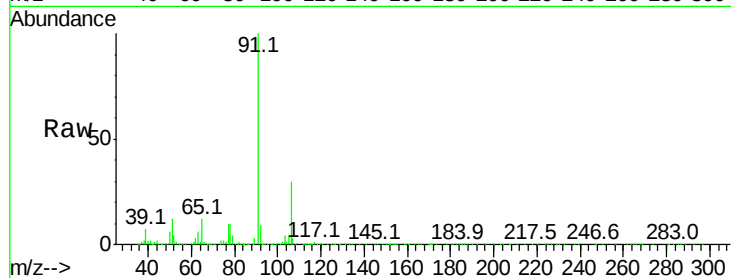
VSTD0.514

Tgt Ion: 91 Resp: 132982

Ion Ratio Lower Upper

91 100

106 30.0 21.4 39.8



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 106.15 (105.85 to 106.85): V

11.39

100000

80000

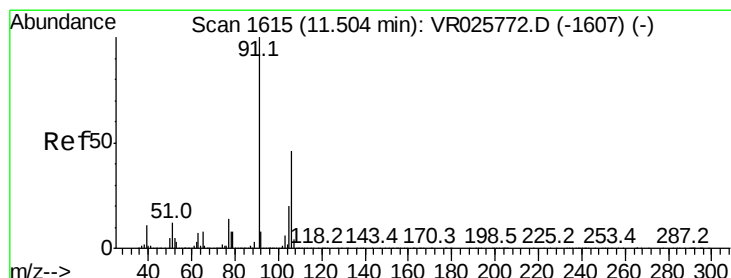
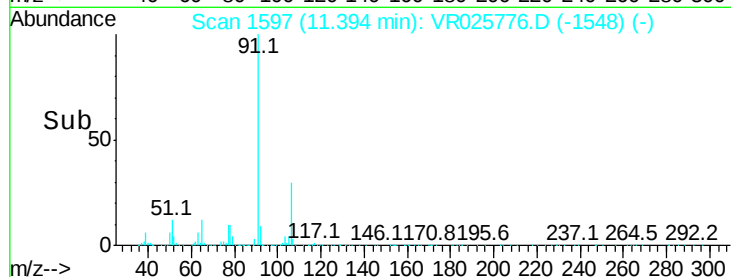
60000

40000

20000

0

Time--> 11.30 11.40



#53

m,p-Xylene

Concen: 0.810 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR025776.D

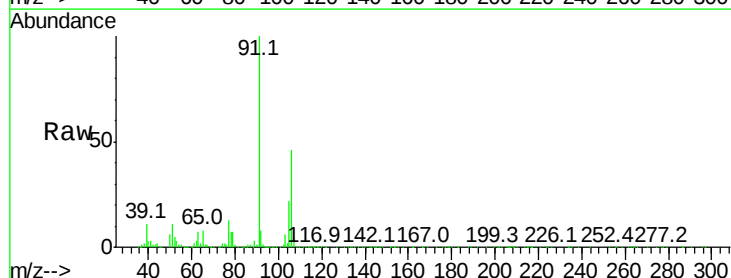
Acq: 20 Sep 2018 14:13

Tgt Ion: 106 Resp: 47656

Ion Ratio Lower Upper

106 100

91 218.6 154.3 286.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0

11.50

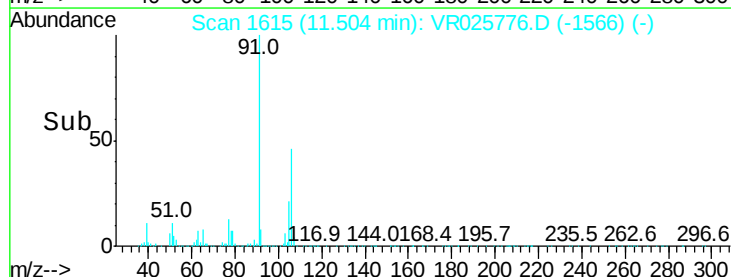
60000

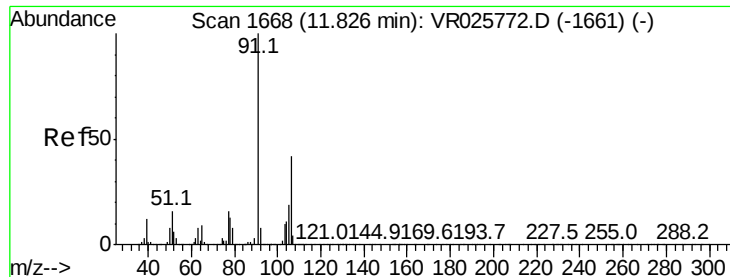
40000

20000

0

Time--> 11.45 11.50 11.55





#54

o-Xylene

Concen: 0.831 ug/L

RT: 11.83 min Scan# 1668

Delta R.T. -0.00 min

Lab File: VR025776.D

Acq: 20 Sep 2018 14:13

Instrument :

MSVOA_R

ClientSampleId :

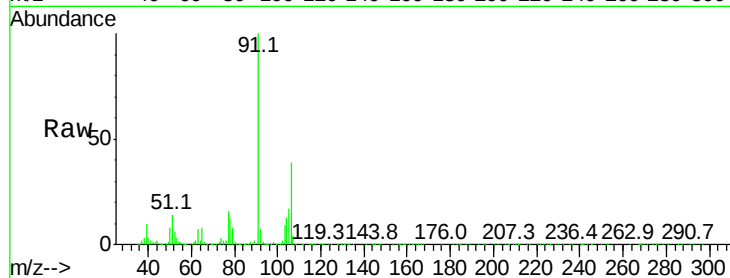
VSTD0.514

Tgt Ion:106 Resp: 43104

Ion Ratio Lower Upper

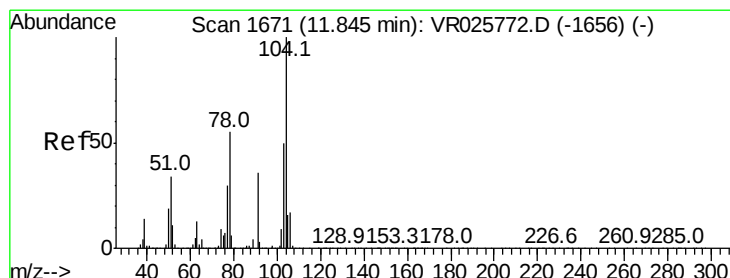
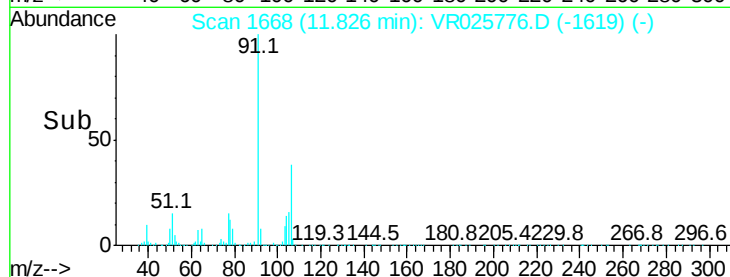
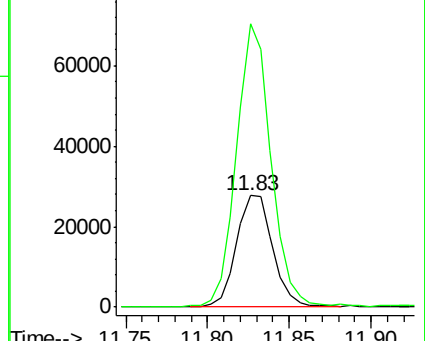
106 100

91 253.6 167.1 310.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0



#55

Styrene

Concen: 0.804 ug/L

RT: 11.84 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VR025776.D

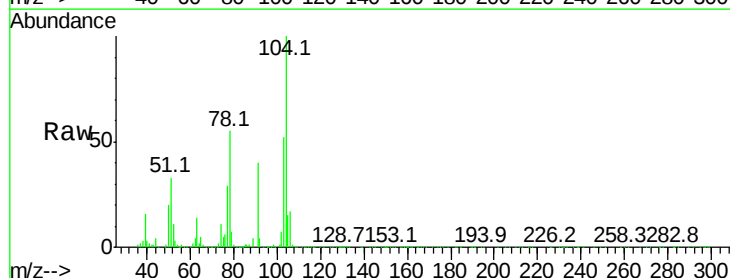
Acq: 20 Sep 2018 14:13

Tgt Ion:104 Resp: 67155

Ion Ratio Lower Upper

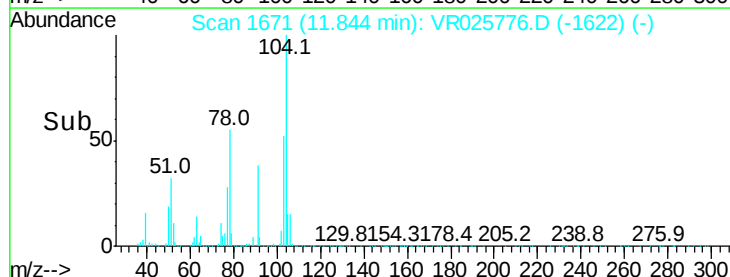
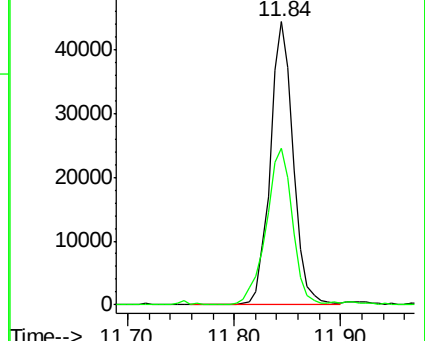
104 100

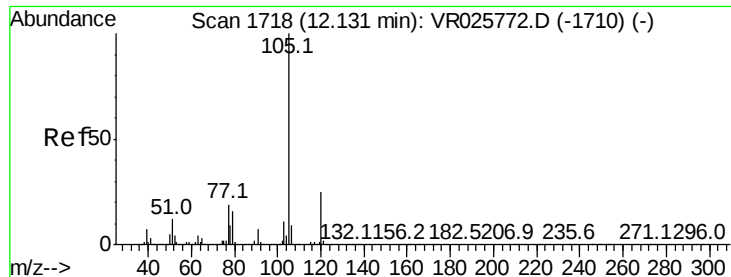
78 55.1 38.1 70.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VR0





#56

Isopropylbenzene

Concen: 0.965 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR025776.D

Acq: 20 Sep 2018 14:13

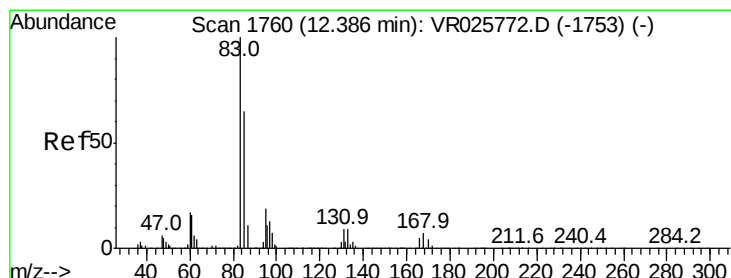
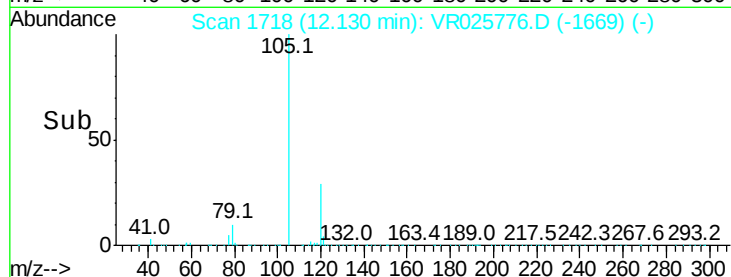
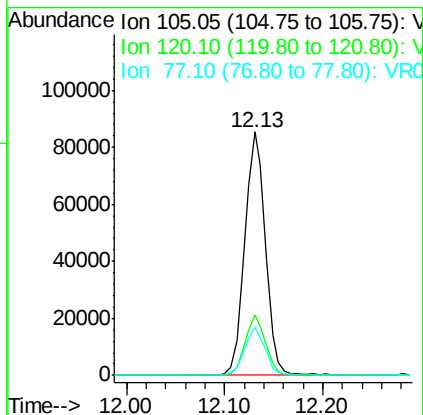
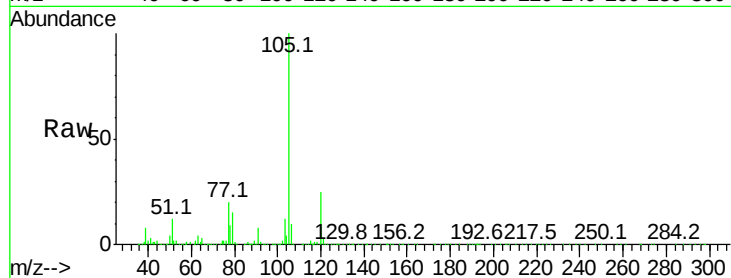
Instrument :

MSVOA_R

ClientSampled :

VSTD0.514

Tgt Ion:	105	Resp:	124687
Ion Ratio	Lower	Upper	
105	100		
120	24.2	20.1	30.1
77	19.1	15.3	22.9



#58

1,1,2,2-Tetrachloroethane

Concen: 0.801 ug/L

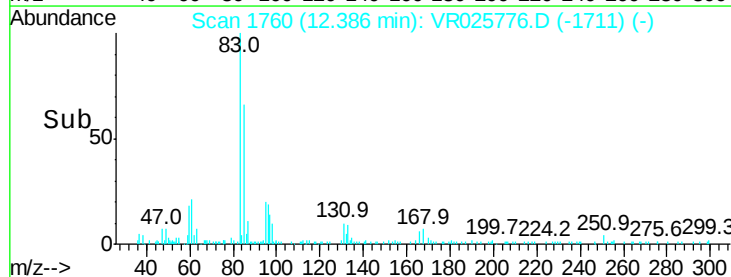
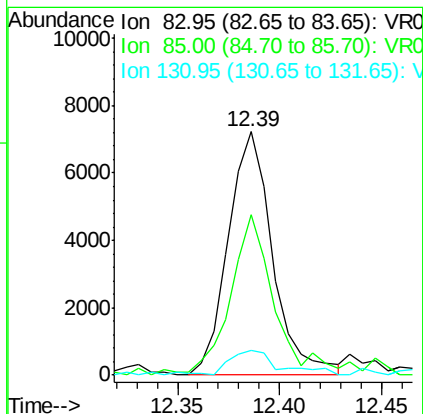
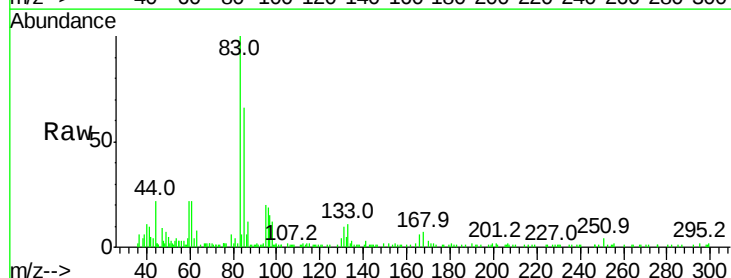
RT: 12.39 min Scan# 1760

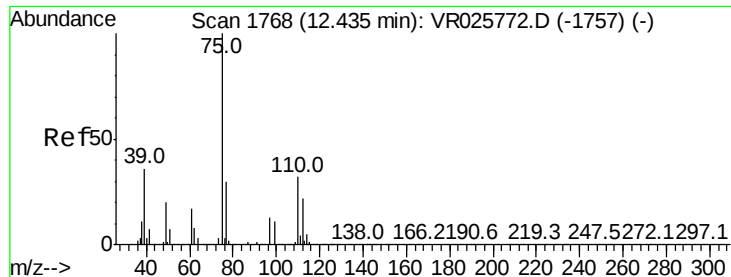
Delta R.T. -0.00 min

Lab File: VR025776.D

Acq: 20 Sep 2018 14:13

Tgt Ion:	83	Resp:	10931
Ion Ratio	Lower	Upper	
83	100		
85	65.9	45.4	84.4
131	10.0	7.5	11.3





#59

1,2,3-Trichloropropane

Concen: 0.920 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VR025776.D

Acq: 20 Sep 2018 14:13

Instrument :

MSVOA_R

ClientSampleId :

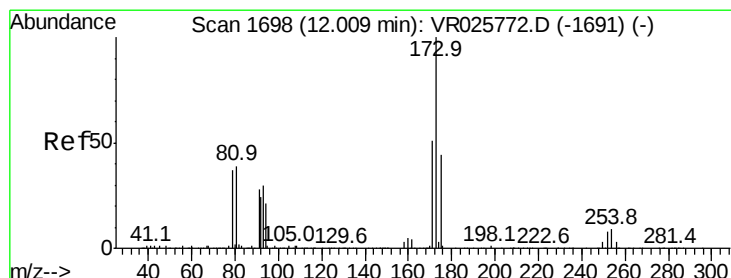
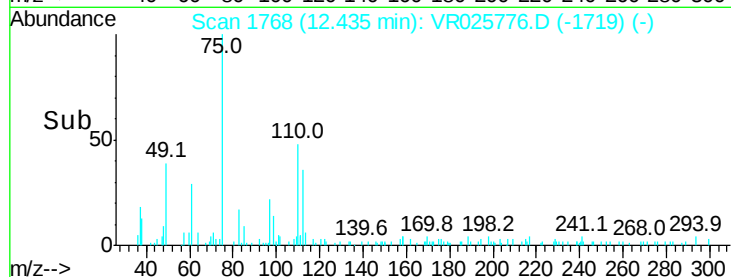
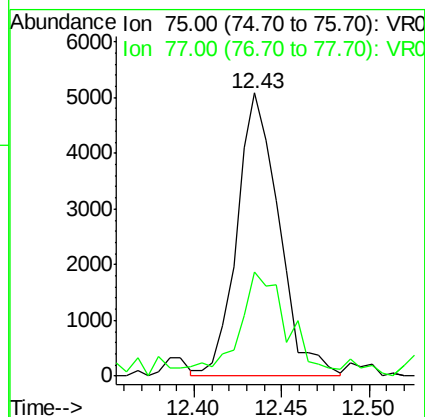
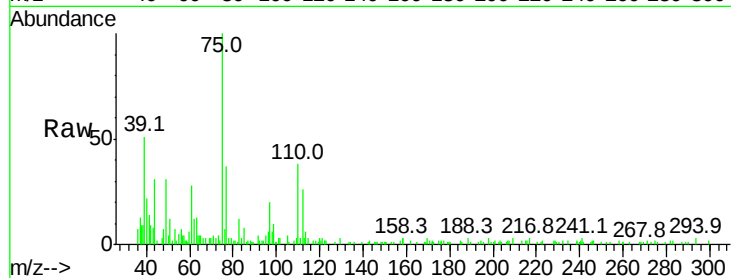
VSTD0.514

Tgt Ion: 75 Resp: 8440

Ion Ratio Lower Upper

75 100

77 35.6 25.6 38.4



#61

Bromoform

Concen: 0.766 ug/L

RT: 12.00 min Scan# 1697

Delta R.T. -0.01 min

Lab File: VR025776.D

Acq: 20 Sep 2018 14:13

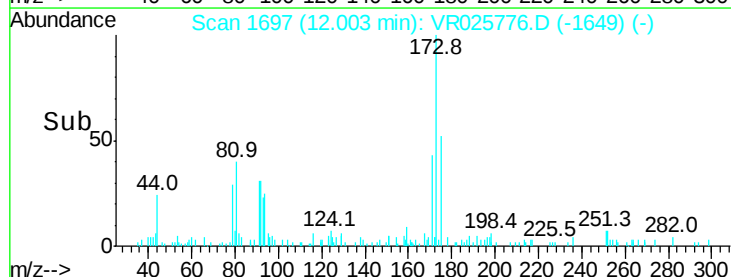
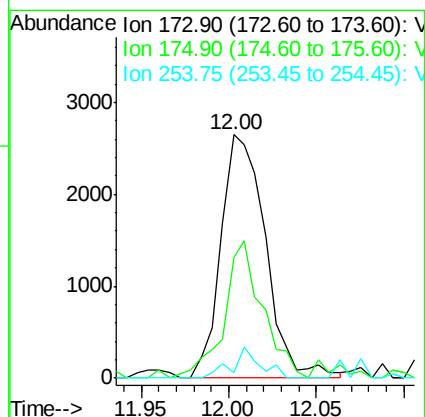
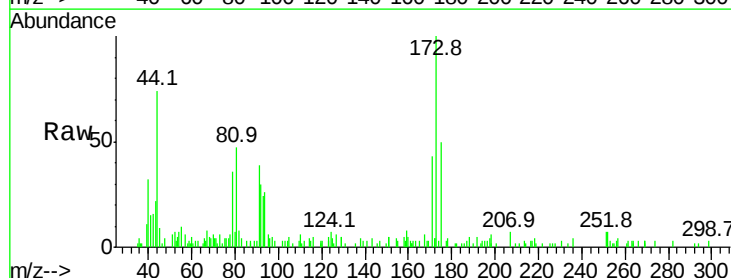
Tgt Ion: 173 Resp: 4679

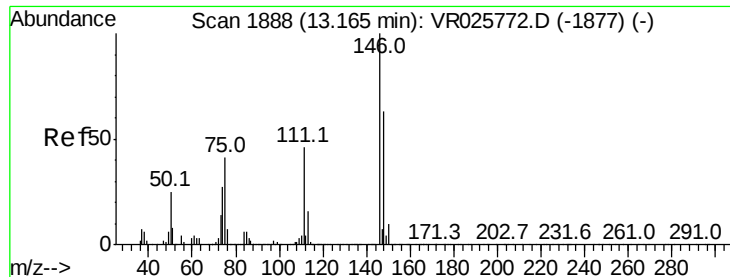
Ion Ratio Lower Upper

173 100

175 48.6 39.9 59.9

254 8.0 6.6 9.8





#62

1,3-Dichlorobenzene

Concen: 0.879 ug/L

RT: 13.16 min Scan# 1887

Delta R.T. -0.01 min

Lab File: VR025776.D

Acq: 20 Sep 2018 14:13

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.514

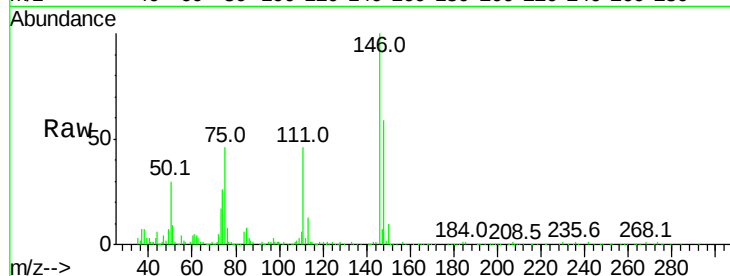
Tgt Ion:146 Resp: 39198

Ion Ratio Lower Upper

146 100

111 46.1 32.1 59.5

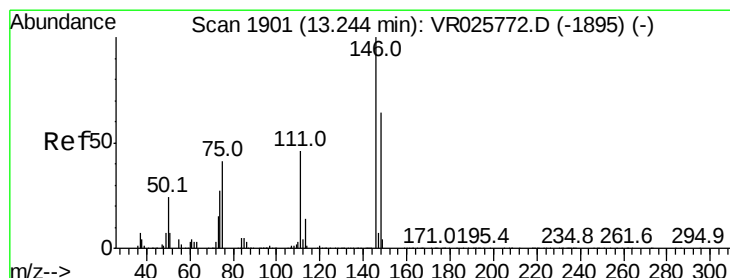
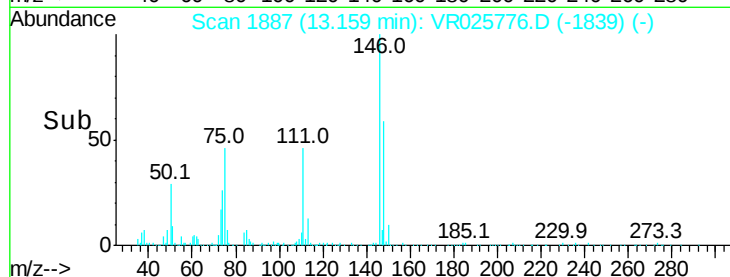
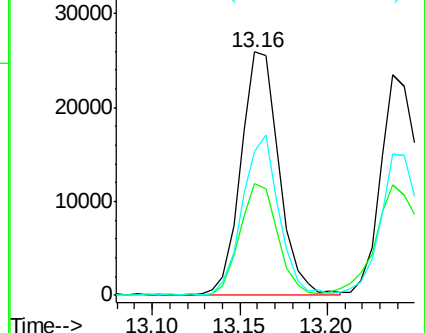
148 59.3 44.3 82.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.718 ug/L

RT: 13.24 min Scan# 1900

Delta R.T. -0.01 min

Lab File: VR025776.D

Acq: 20 Sep 2018 14:13

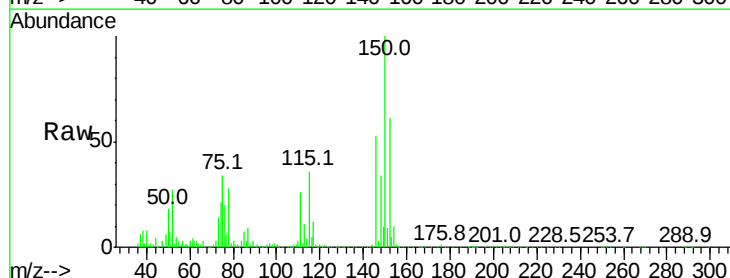
Tgt Ion:146 Resp: 36419

Ion Ratio Lower Upper

146 100

111 50.1 32.3 60.1

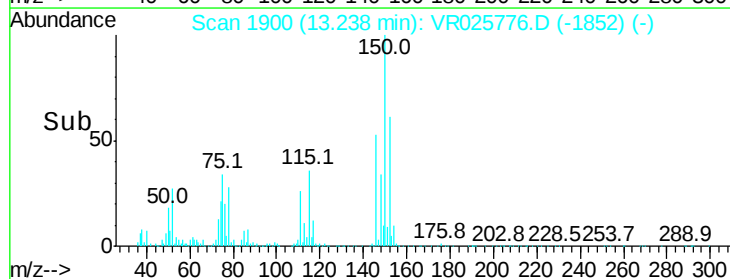
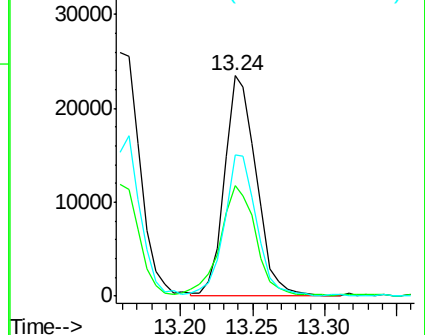
148 64.2 44.6 82.8

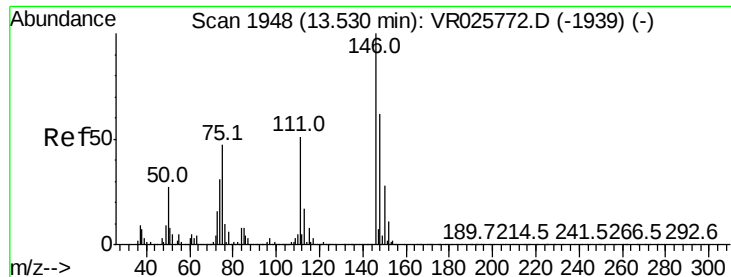


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.755 ug/L

RT: 13.53 min Scan# 1948

Delta R.T. -0.00 min

Lab File: VR025776.D

Acq: 20 Sep 2018 14:13

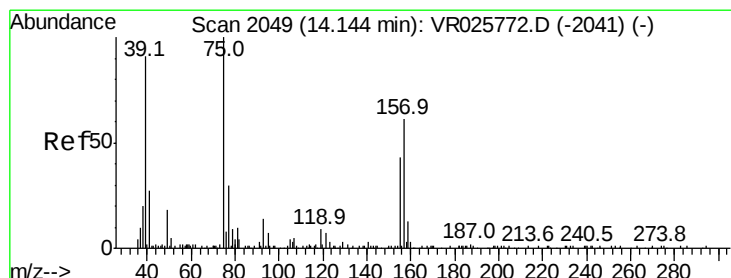
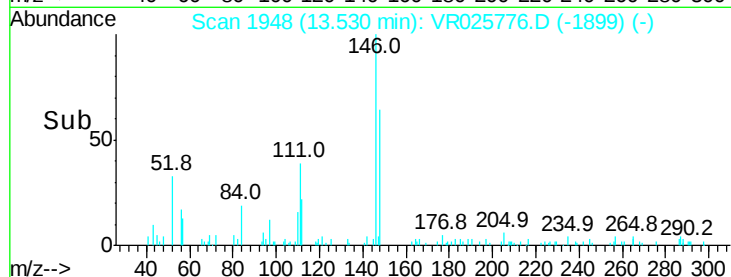
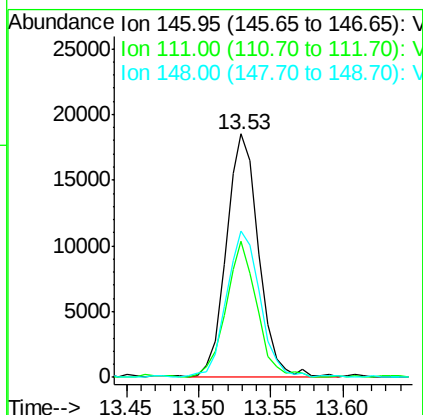
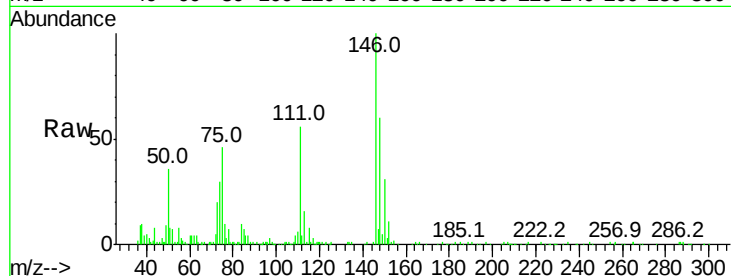
Instrument :

MSVOA_R

ClientSampleId :

VSTD0.514

Tgt Ion:	146	Resp:	29041
Ion	Ratio	Lower	Upper
146	100		
111	55.9	40.5	60.7
148	60.1	49.7	74.5



#66

1,2-Dibromo-3-chloropropane

Concen: 1.514 ug/L

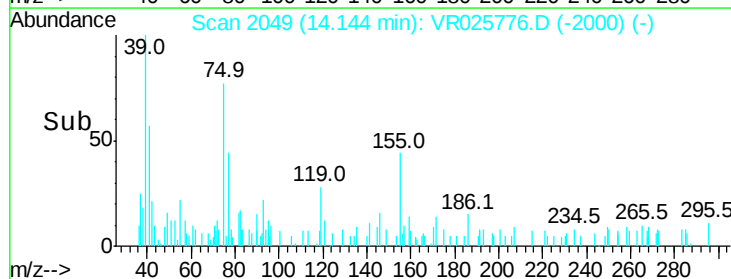
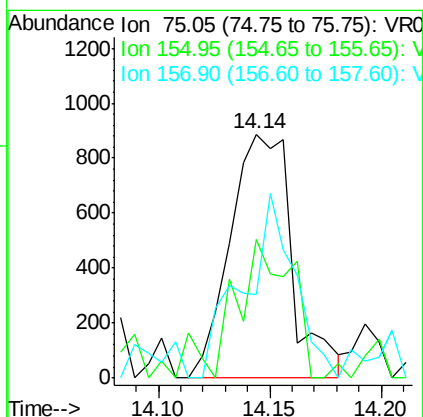
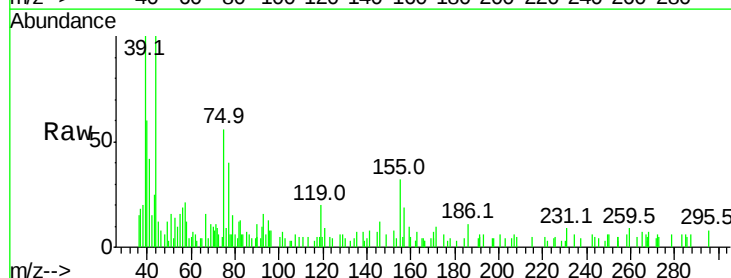
RT: 14.14 min Scan# 2049

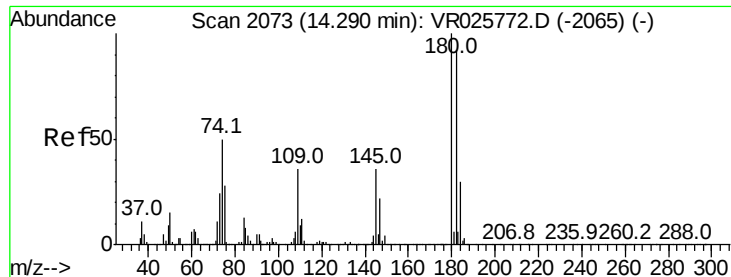
Delta R.T. -0.00 min

Lab File: VR025776.D

Acq: 20 Sep 2018 14:13

Tgt Ion:	75	Resp:	1713
Ion	Ratio	Lower	Upper
75	100		
155	56.8	34.1	51.1#
157	34.2	49.1	73.7#

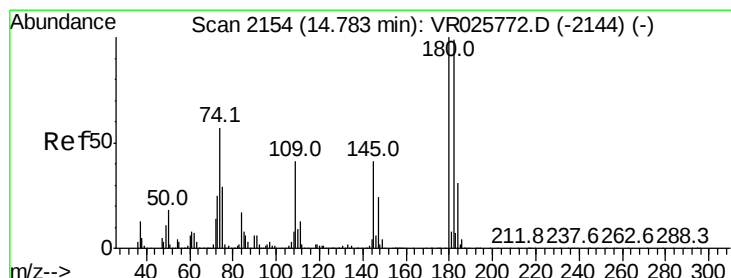
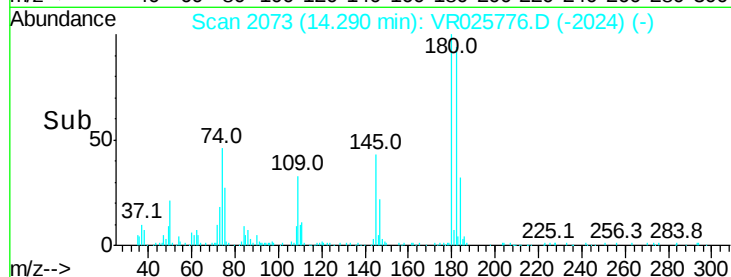
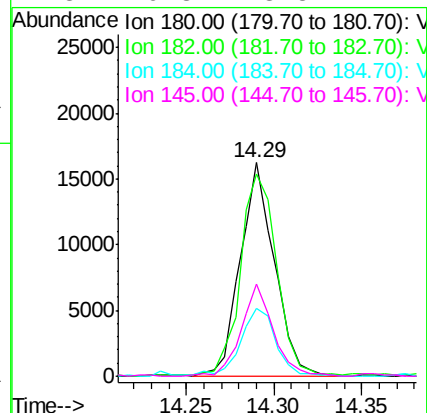
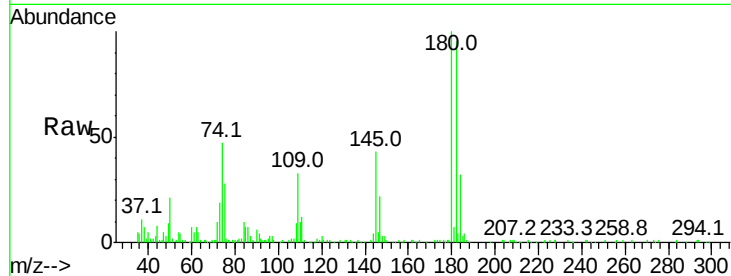




#67
 1,3,5-Trichlorobenzene
 Concen: 0.831 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VR025776.D
 Acq: 20 Sep 2018 14:13

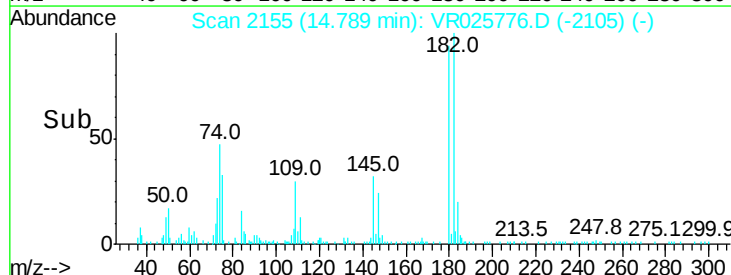
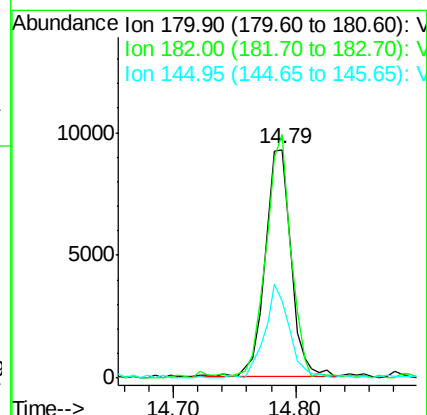
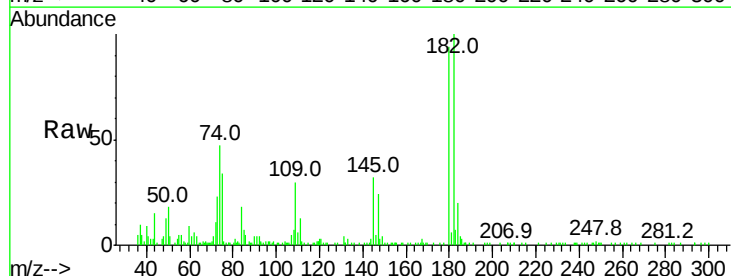
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.514

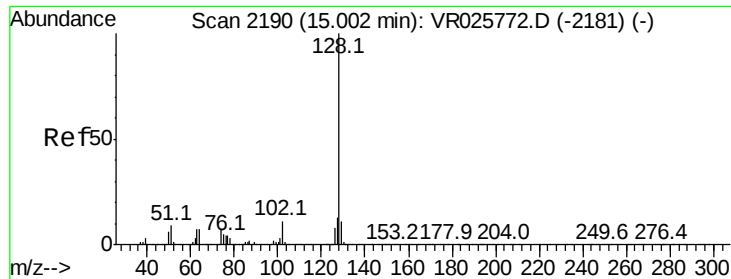
Tgt Ion:	180	Resp:	22020
Ion Ratio	Lower	Upper	
180	100		
182	100.0	75.7	113.5
184	33.0	24.8	37.2
145	40.3	28.5	42.7



#68
 1,2,4-trichlorobenzene
 Concen: 0.845 ug/L
 RT: 14.79 min Scan# 2155
 Delta R.T. 0.01 min
 Lab File: VR025776.D
 Acq: 20 Sep 2018 14:13

Tgt Ion:	180	Resp:	13734
Ion Ratio	Lower	Upper	
180	100		
182	100.5	76.2	114.2
145	39.4	30.2	45.2





#69

Naphthalene

Concen: 1.206 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VR025776.D

Acq: 20 Sep 2018 14:13

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.514

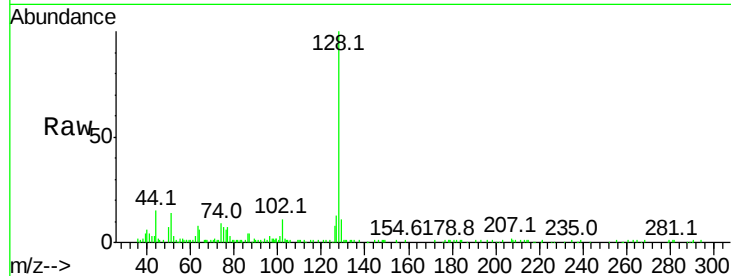
Tgt Ion:128 Resp: 21935

Ion Ratio Lower Upper

128 100

127 15.2 10.3 15.5

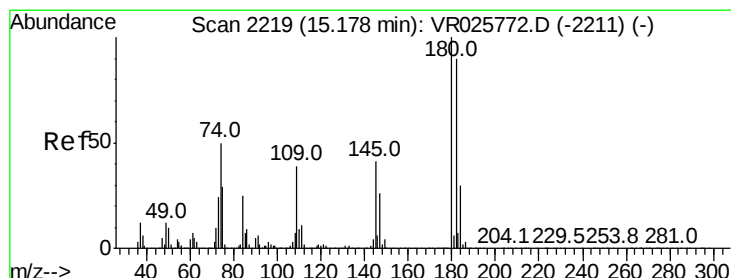
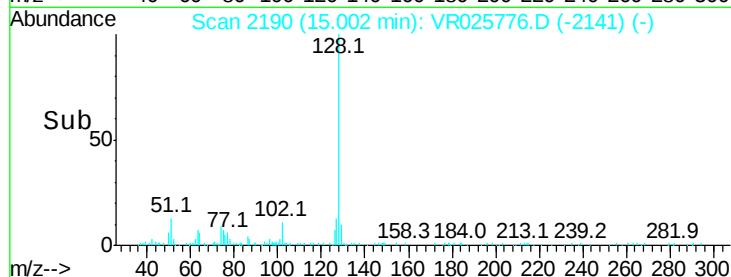
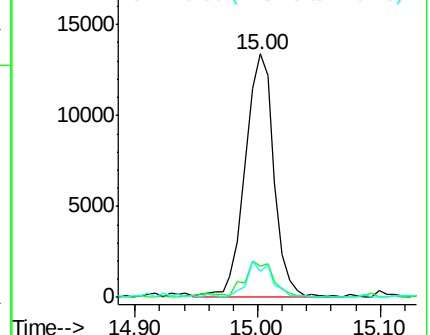
129 13.3 9.1 13.7



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: 0.823 ug/L

RT: 15.18 min Scan# 2220

Delta R.T. 0.01 min

Lab File: VR025776.D

Acq: 20 Sep 2018 14:13

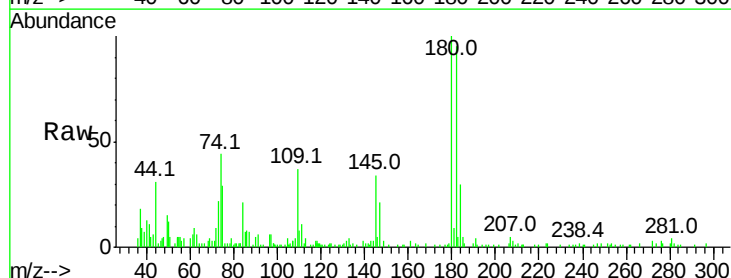
Tgt Ion:180 Resp: 10595

Ion Ratio Lower Upper

180 100

182 101.4 75.7 113.5

145 45.8 31.8 47.8



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

