

Data File : VR025773.D
Acq On : 20 Sep 2018 12:33
Operator : SY/MD
Sample : VSTD01012
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD01012

Quant Time: Sep 20 14:02:49 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	609974	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	484741	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	188623	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	249737	9.42	ug/L	0.00
7) Chloroethane-d5	2.62	69	210447	9.69	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.61	63	677206	9.34	ug/L	0.00
20) 2-Butanone-d5	6.59	46	458367	171.22	ug/L	0.00
24) Chloroform-d	7.20	84	711774	11.73	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.90	65	301132	14.64	ug/L	0.00
32) Benzene-d6	7.85	84	1195028	9.12	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.90	67	346746	9.82	ug/L	0.00
41) Toluene-d8	9.97	98	977020	7.80	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	125950	14.46	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	410825	157.66	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	172295	11.16	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.51	152	246960	9.24	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	677136	21.769 ug/L	99
3) Chloromethane	2.01	50	620369	16.247 ug/L	94
5) Vinyl chloride	2.17	62	597683	15.749 ug/L	99
6) Bromomethane	2.52	94	305480	11.245 ug/L	99
8) Chloroethane	2.66	64	330997	14.852 ug/L	98
9) Trichlorofluoromethane	2.93	101	275130	3.932 ug/L	# 6
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	409324	10.856 ug/L	98
12) 1,1-Dichloroethene	3.63	96	442054	11.109 ug/L	97
13) Acetone	3.70	43	227517	126.111 ug/L	92
14) Carbon disulfide	3.93	76	1514884	16.134 ug/L	100
15) Methyl Acetate	4.19	43	86997	13.526 ug/L	# 88
16) Methylene chloride	4.40	84	384025	10.900 ug/L	99
17) Methyl tert-butyl Ether	4.89	73	891874	18.218 ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	565783	11.633 ug/L	97
19) 1,1-Dichloroethane	5.69	63	1142937	15.241 ug/L	98
21) 2-Butanone	6.69	43	614549	161.412 ug/L	97
22) cis-1,2-Dichloroethene	6.67	96	562534	13.295 ug/L	# 99
23) Bromochloromethane	7.05	128	151836	10.460 ug/L	98
25) Chloroform	7.23	83	1033175	15.079 ug/L	100
27) 1,2-Dichloroethane	7.99	62	530921	19.636 ug/L	98
29) 1,1,1-Trichloroethane	7.43	97	1006051	20.835 ug/L	100
30) Cyclohexane	7.51	56	1106129	19.063 ug/L	100
31) Carbon tetrachloride	7.63	117	869242	18.571 ug/L	100
33) Benzene	7.91	78	2253232	13.047 ug/L	100
34) Trichloroethene	8.71	95	625092	14.934 ug/L	99
35) Methylcyclohexane	8.95	83	1006822	15.585 ug/L	97
37) 1,2-Dichloropropane	9.00	63	497469	12.777 ug/L	99
38) Bromodichloromethane	9.28	83	628981	17.989 ug/L	97
39) cis-1,3-Dichloropropene	9.72	75	695444	17.468 ug/L	98
40) 4-Methyl-2-pentanone	9.87	43	1739895	180.787 ug/L	99

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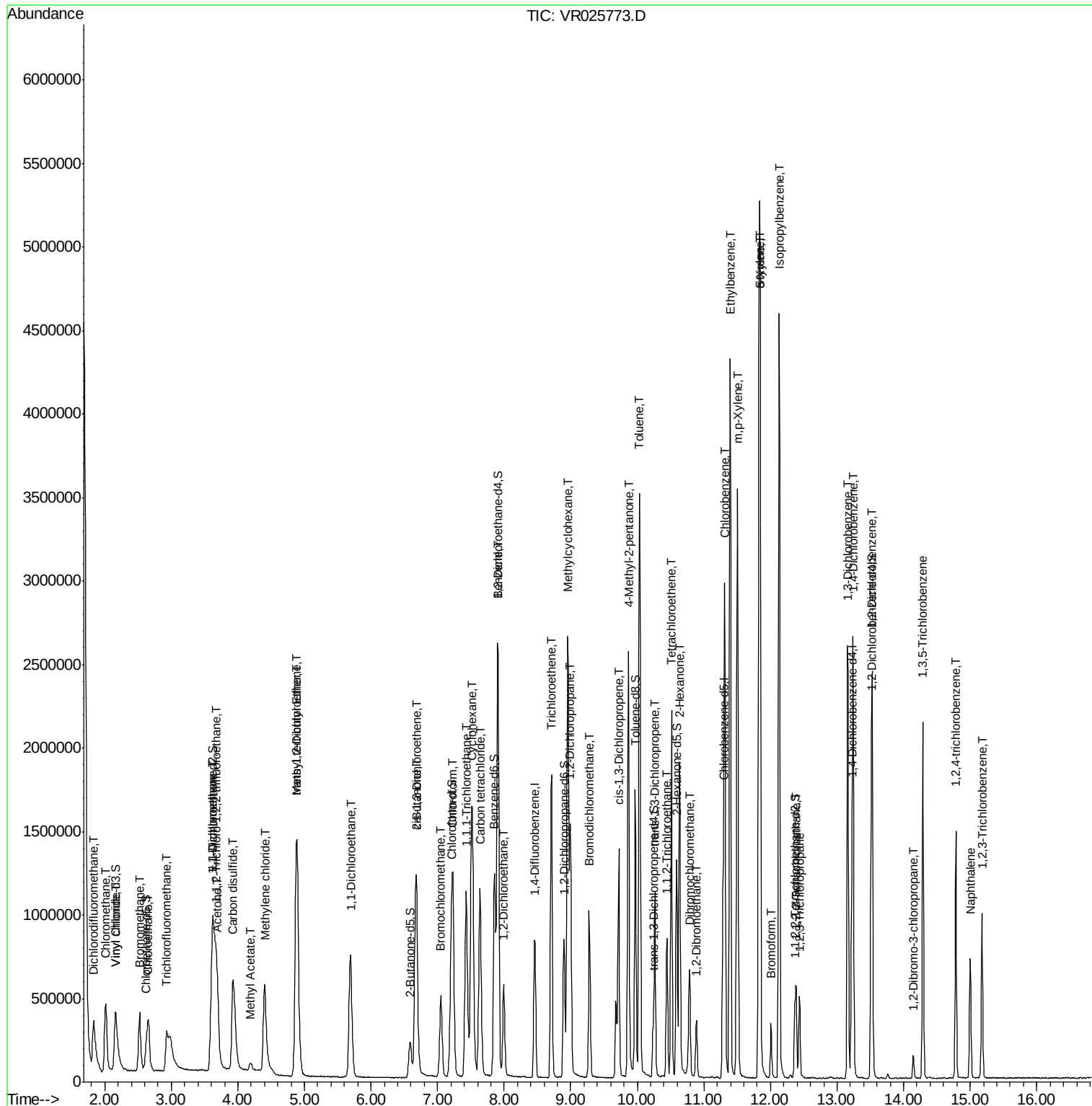
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.04	91	2274951	12.869	ug/L	98
44) trans-1,3-Dichloropropene	10.26	75	525158	18.754	ug/L	96
45) 1,1,2-Trichloroethane	10.45	97	214829	11.780	ug/L	98
47) Tetrachloroethene	10.51	164	377134	11.003	ug/L	93
48) 2-Hexanone	10.63	43	1202049	178.097	ug/L	98
49) Dibromochloromethane	10.79	129	288746	14.864	ug/L	99
50) 1,2-Dibromoethane	10.89	107	199686	13.784	ug/L	96
51) Chlorobenzene	11.32	112	1246535	11.218	ug/L	98
52) Ethylbenzene	11.39	91	2676823	14.054	ug/L	99
53) m,p-Xylene	11.50	106	993940	12.969	ug/L	99
54) o-Xylene	11.83	106	919025	13.611	ug/L	92
55) Styrene	11.84	104	1439477	13.239	ug/L	98
56) Isopropylbenzene	12.13	105	2525458	15.010	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	233398	13.140	ug/L	99
59) 1,2,3-Trichloropropane	12.43	75	181779	15.216	ug/L	100
61) Bromoform	12.01	173	119924	14.859	ug/L	99
62) 1,3-Dichlorobenzene	13.16	146	812617	13.792	ug/L	97
63) 1,4-Dichlorobenzene	13.24	146	777424	11.601	ug/L	100
65) 1,2-Dichlorobenzene	13.53	146	614529	12.089	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.14	75	35394	23.678	ug/L #	88
67) 1,3,5-Trichlorobenzene	14.29	180	474917	13.558	ug/L	99
68) 1,2,4-trichlorobenzene	14.78	180	318775	14.836	ug/L	98
69) Naphthalene	15.00	128	473882	19.716	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	224185	13.181	ug/L	99

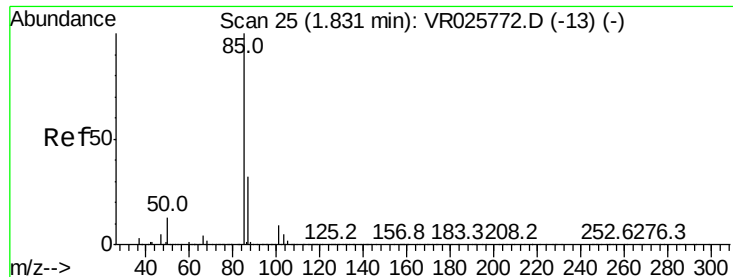
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 21.769 ug/L

RT: 1.83 min Scan# 25

Delta R.T. -0.00 min

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Acq: 20 Sep 2018 12:33

Instrument :

MSVOA_R

ClientSampleId :

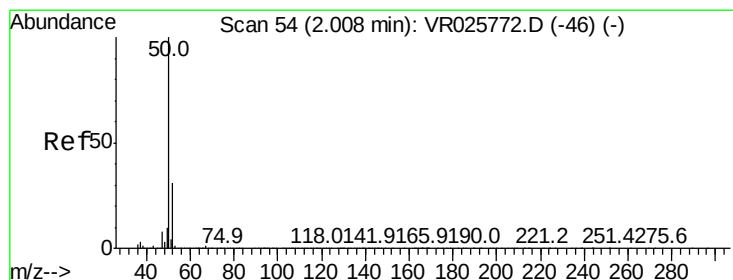
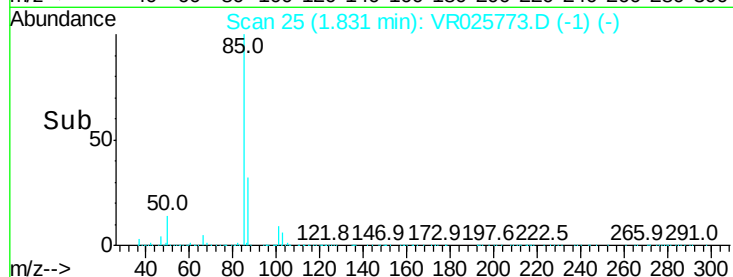
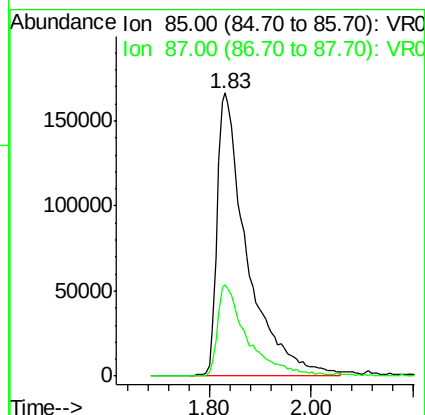
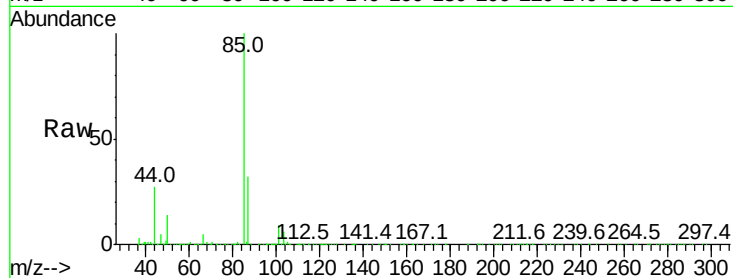
VSTD01012

Tgt Ion: 85 Resp: 677136

Ion Ratio Lower Upper

85 100

87 32.3 26.4 39.6



#3

Chloromethane

Concen: 16.247 ug/L

RT: 2.01 min Scan# 55

Delta R.T. 0.01 min

Lab File: VR025773.D

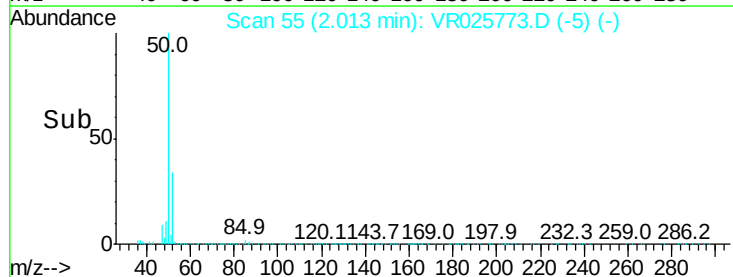
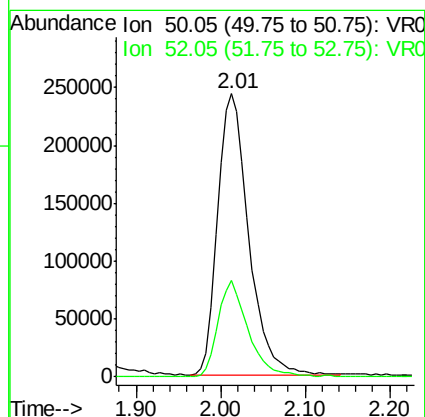
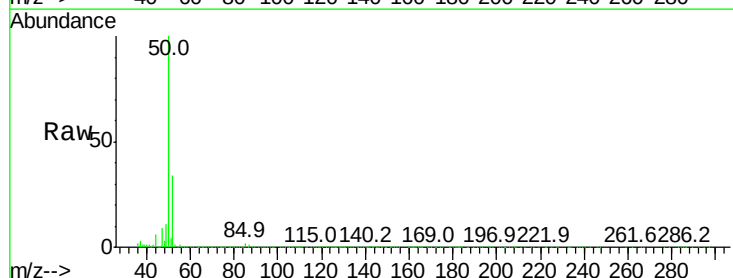
Acq: 20 Sep 2018 12:33

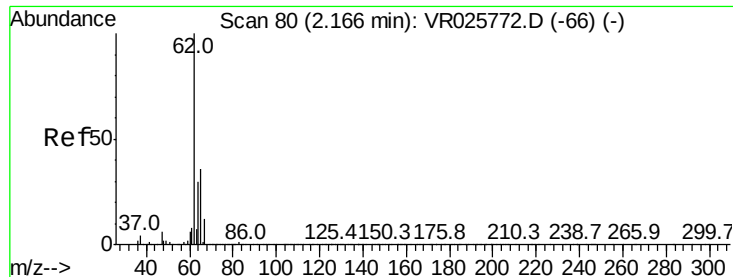
Tgt Ion: 50 Resp: 620369

Ion Ratio Lower Upper

50 100

52 34.0 21.3 39.6





#5

Vinyl chloride

Concen: 15.749 ug/L

RT: 2.17 min Scan# 80

Delta R.T. -0.00 min

Lab File: VR025773.D

Acq: 20 Sep 2018 12:33

Instrument :

MSVOA_R

ClientSampleId :

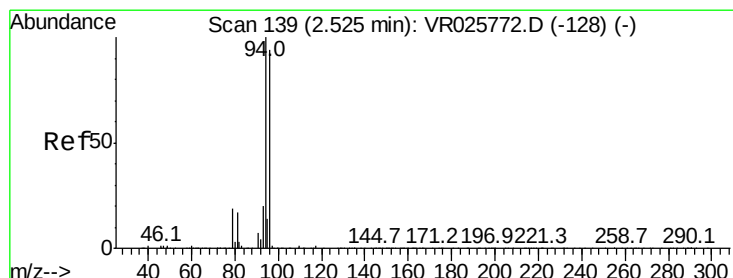
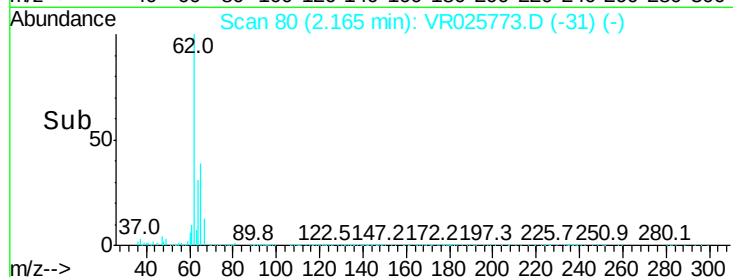
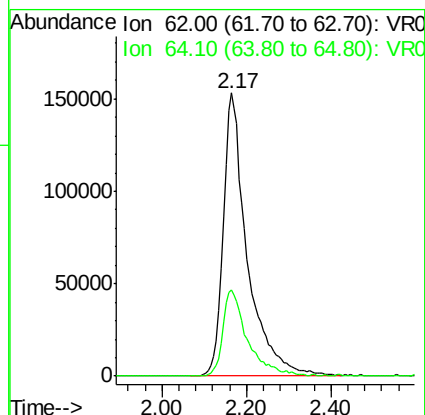
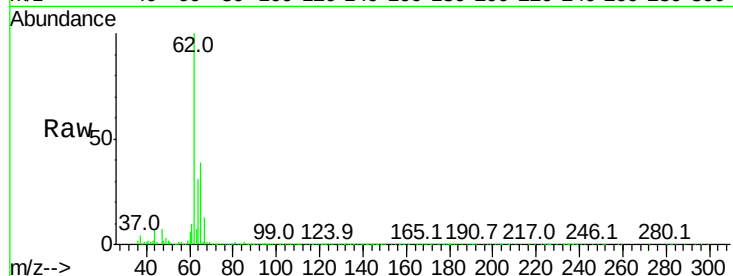
VSTD01012

Tgt Ion: 62 Resp: 597683

Ion Ratio Lower Upper

62 100

64 30.5 20.9 38.9



#6

Bromomethane

Concen: 11.245 ug/L

RT: 2.52 min Scan# 138

Delta R.T. -0.01 min

Lab File: VR025773.D

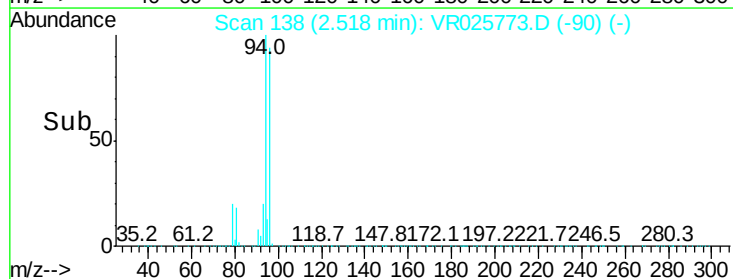
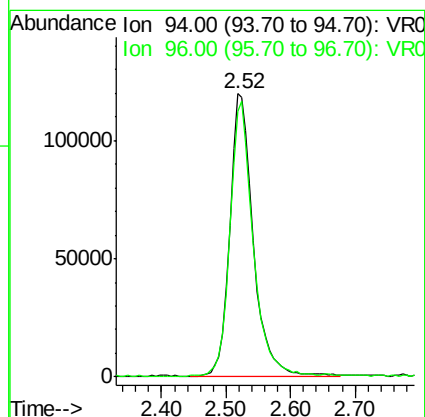
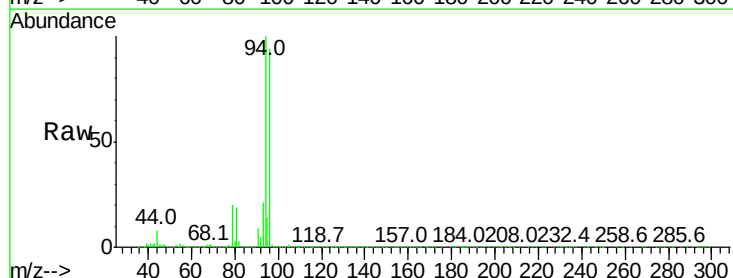
Acq: 20 Sep 2018 12:33

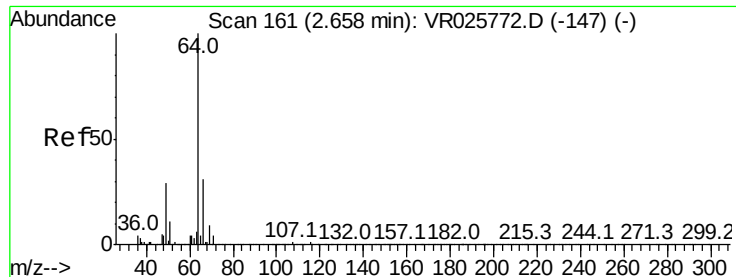
Tgt Ion: 94 Resp: 305480

Ion Ratio Lower Upper

94 100

96 93.8 66.1 122.7





#8

Chloroethane

Concen: 14.852 ug/L

RT: 2.66 min Scan# 161

Delta R.T. -0.00 min

Lab File: VR025773.D

Acq: 20 Sep 2018 12:33

Instrument :

MSVOA_R

ClientSampleId :

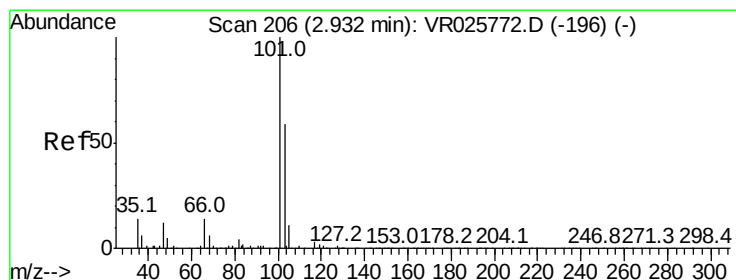
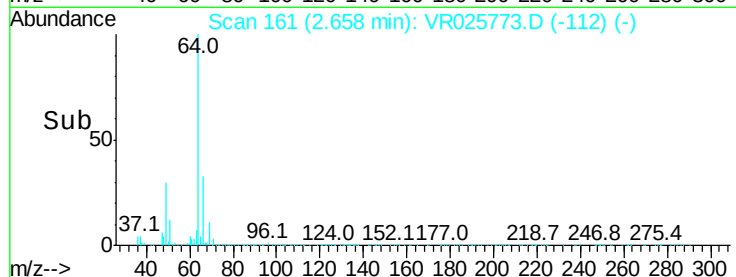
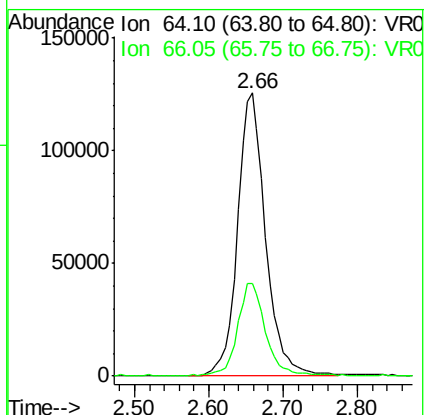
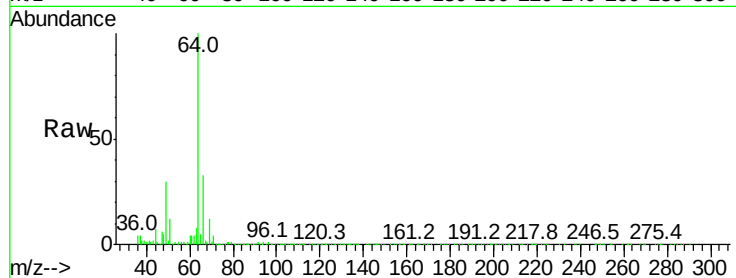
VSTD01012

Tgt Ion: 64 Resp: 330997

Ion Ratio Lower Upper

64 100

66 32.7 21.9 40.7



#9

Trichlorofluoromethane

Concen: 3.932 ug/L

RT: 2.93 min Scan# 206

Delta R.T. -0.00 min

Lab File: VR025773.D

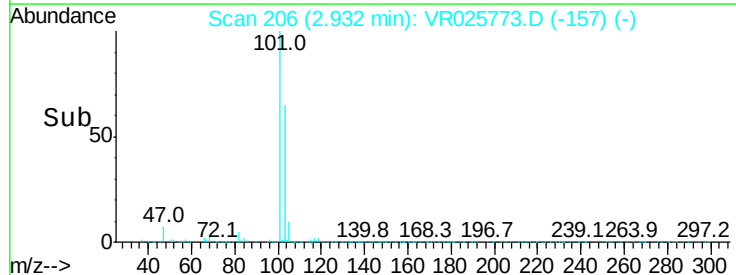
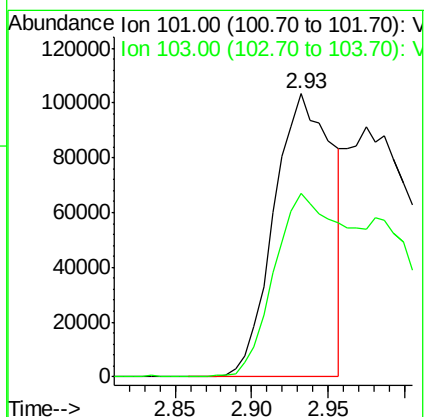
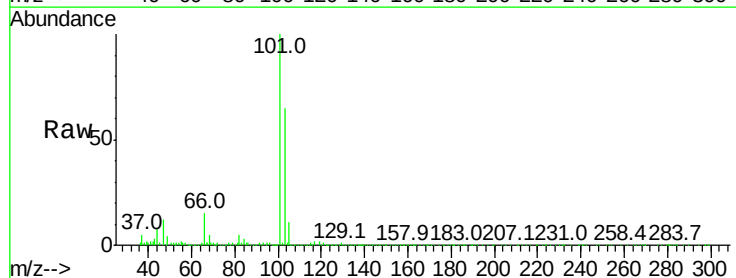
Acq: 20 Sep 2018 12:33

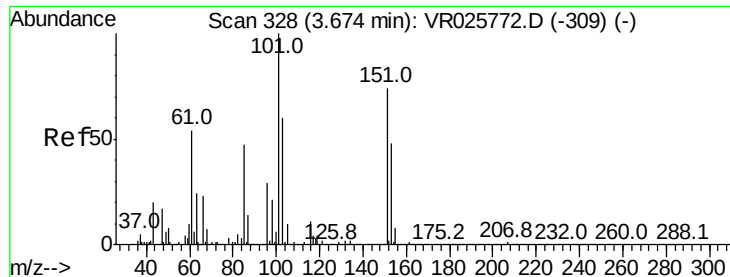
Tgt Ion: 101 Resp: 275130

Ion Ratio Lower Upper

101 100

103 72.3 20.2 30.2#





#10

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

Concen: 10.856 ug/L

RT: 3.68 min Scan# 329

Delta R.T. 0.01 min

Lab File: VR025773.D

Acq: 20 Sep 2018 12:33

Instrument :

MSVOA_R

ClientSampled :

VSTD01012

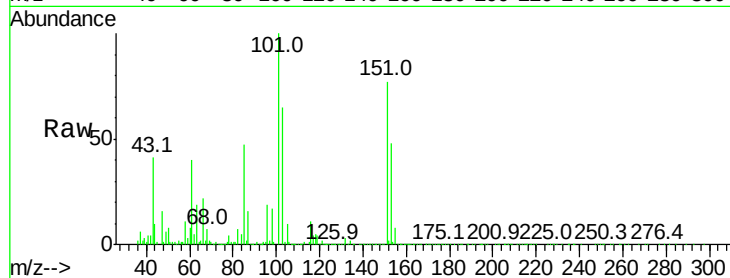
Tgt Ion: 101 Resp: 409324

Ion Ratio Lower Upper

101 100

85 48.4 37.6 56.4

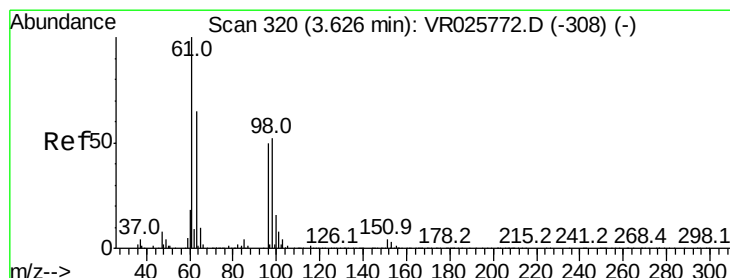
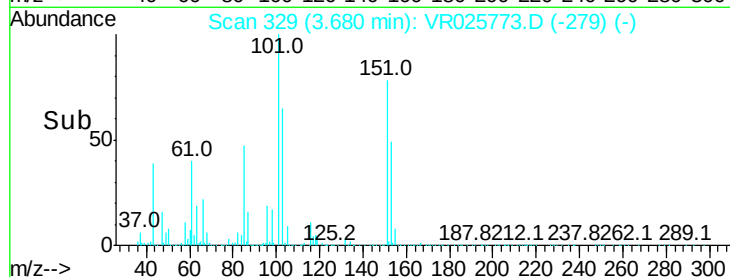
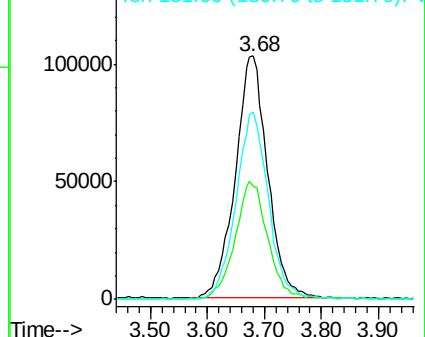
151 77.3 60.9 91.3



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: 11.109 ug/L

RT: 3.63 min Scan# 320

Delta R.T. -0.00 min

Lab File: VR025773.D

Acq: 20 Sep 2018 12:33

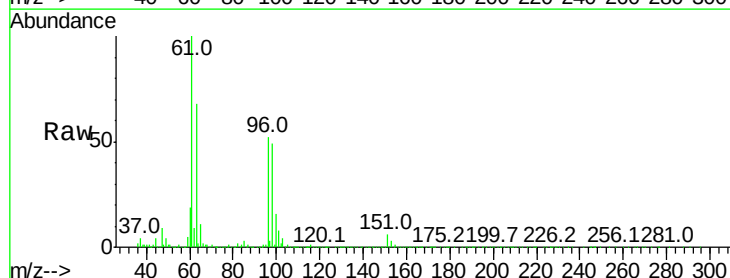
Tgt Ion: 96 Resp: 442054

Ion Ratio Lower Upper

96 100

61 193.8 138.7 257.7

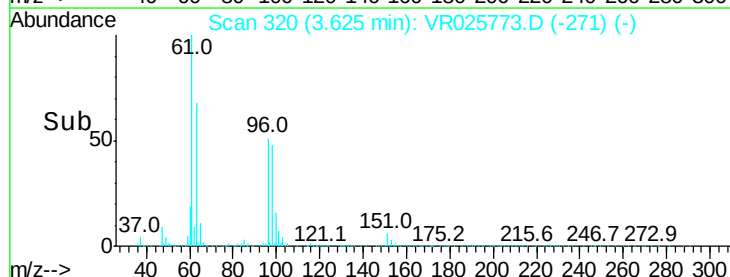
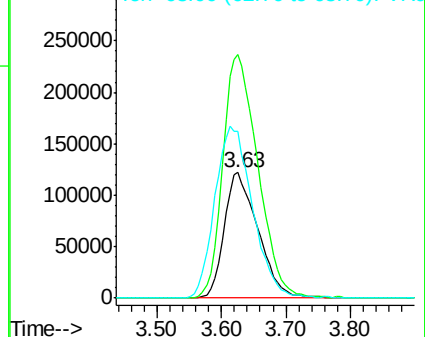
63 132.3 90.9 168.7

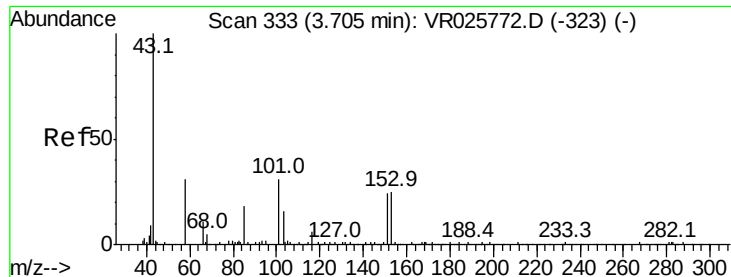


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 126.111 ug/L

RT: 3.70 min Scan# 332

Delta R.T. -0.01 min

Lab File: VR025773.D

Acq: 20 Sep 2018 12:33

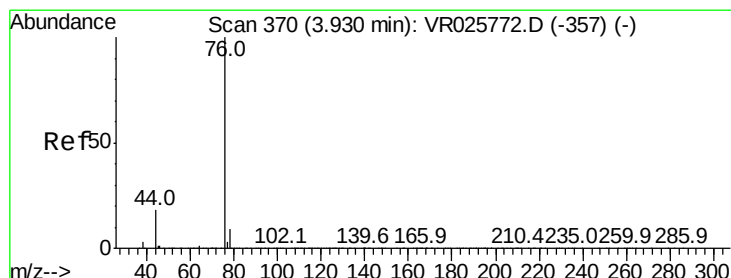
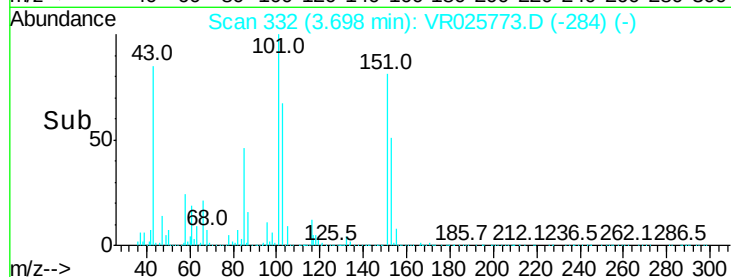
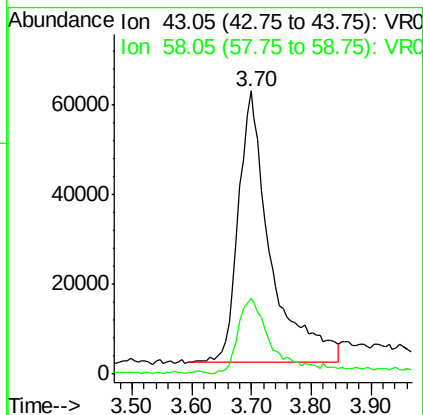
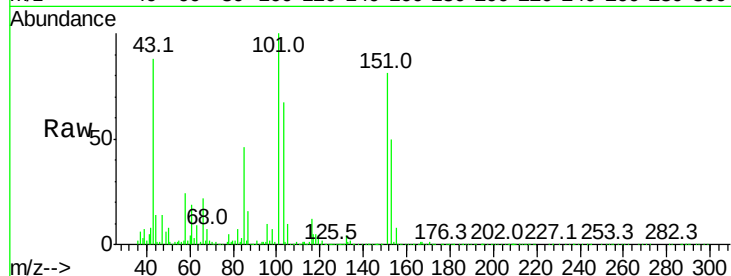
Instrument :
MSVOA_R
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VSTD01012

Tgt Ion: 43 Resp: 227517

Ion Ratio Lower Upper

43 100

58 26.9 0.0 63.0



#14

Carbon disulfide

Concen: 16.134 ug/L

RT: 3.93 min Scan# 370

Delta R.T. -0.00 min

Lab File: VR025773.D

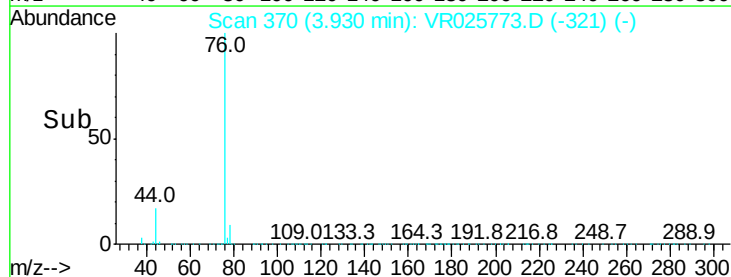
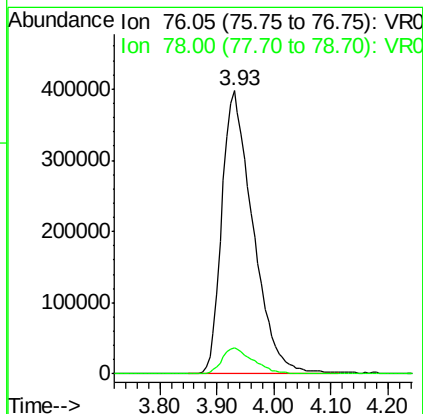
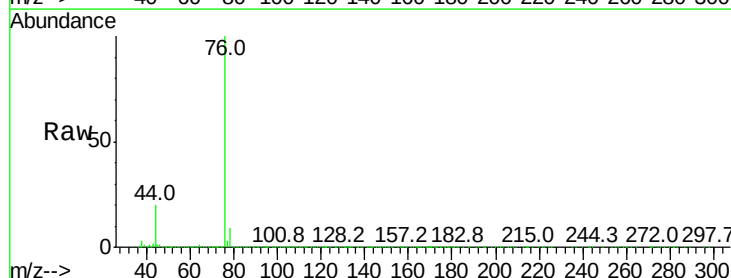
Acq: 20 Sep 2018 12:33

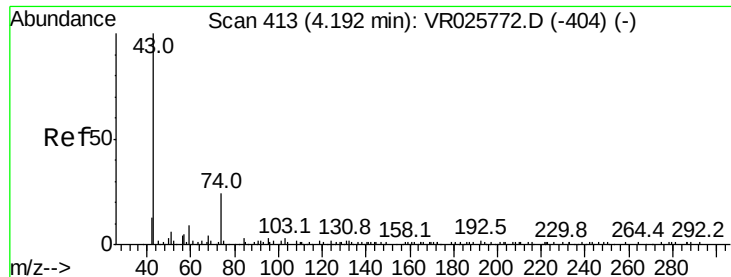
Tgt Ion: 76 Resp: 1514884

Ion Ratio Lower Upper

76 100

78 9.4 7.6 11.4





#15

Methyl Acetate

Concen: 13.526 ug/L

RT: 4.19 min Scan# 413

Delta R.T. -0.00 min

Lab File: VR025773.D

Acq: 20 Sep 2018 12:33

Instrument :

MSVOA_R

ClientSampleId :

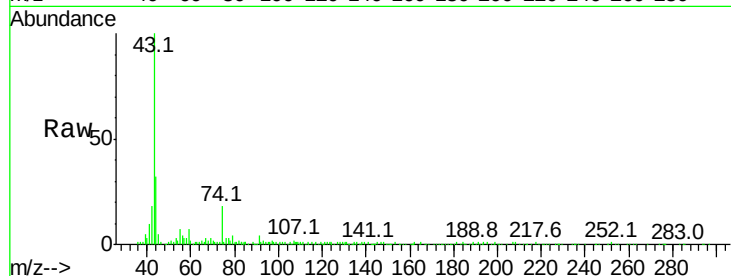
VSTD01012

Tgt Ion: 43 Resp: 86997

Ion Ratio Lower Upper

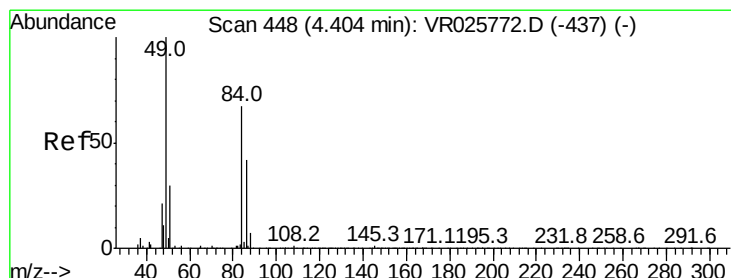
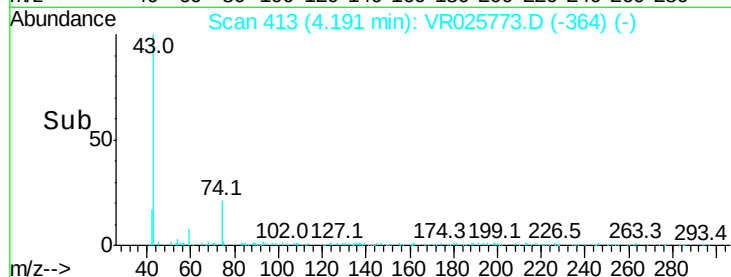
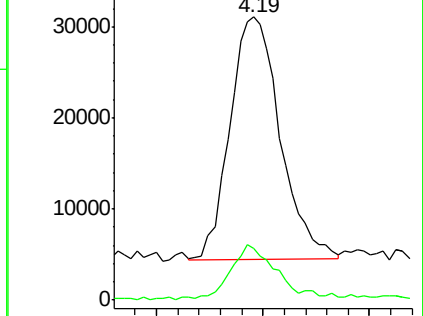
43 100

74 20.2 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: 10.900 ug/L

RT: 4.40 min Scan# 448

Delta R.T. -0.00 min

Lab File: VR025773.D

Acq: 20 Sep 2018 12:33

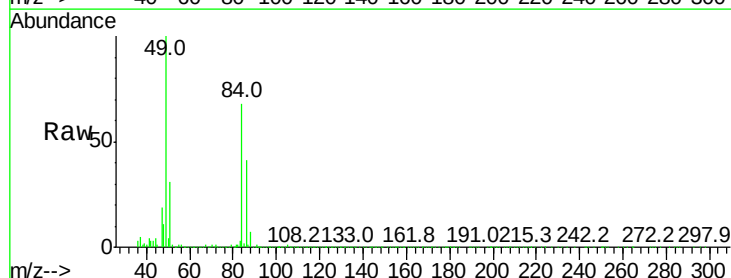
Tgt Ion: 84 Resp: 384025

Ion Ratio Lower Upper

84 100

86 60.2 44.2 82.0

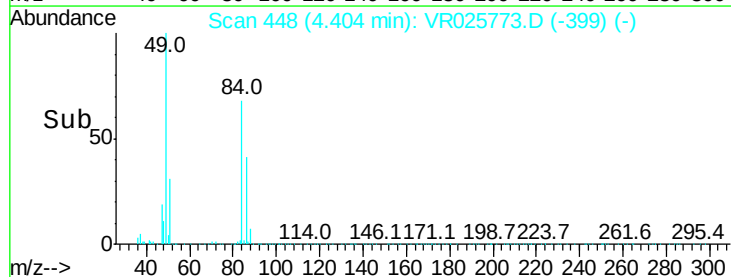
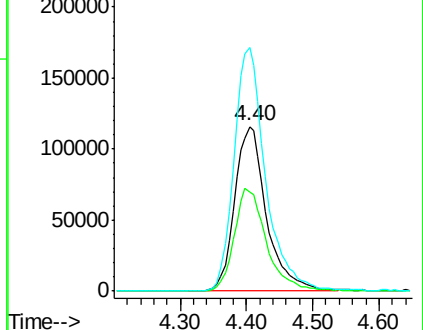
49 147.9 103.9 192.9

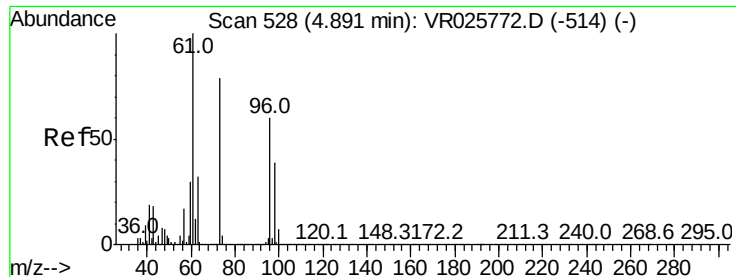


Abundance Ion 84.05 (83.75 to 84.75): VR0

Ion 86.00 (85.70 to 86.70): VR0

Ion 49.10 (48.80 to 49.80): VR0



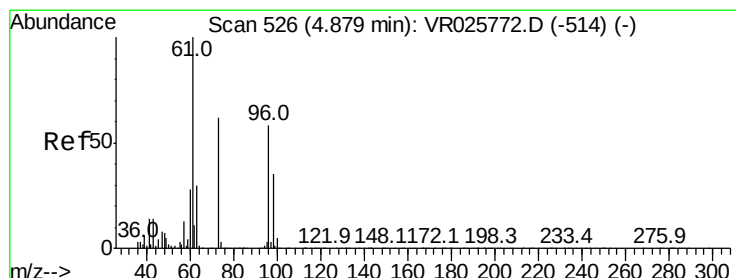
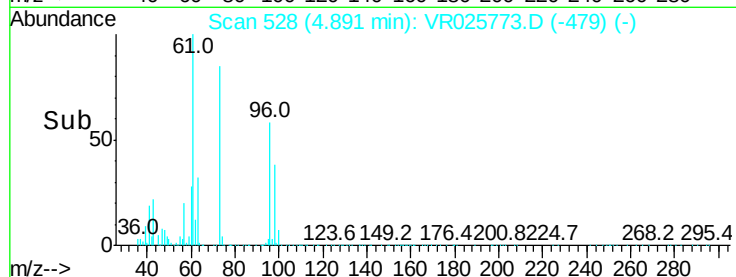
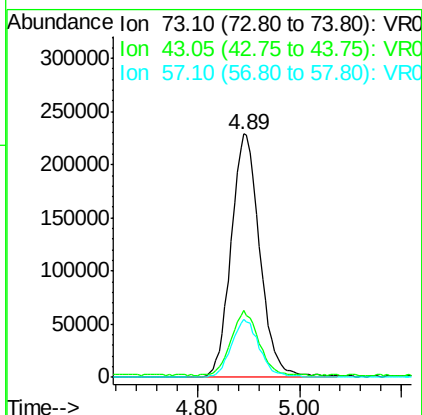
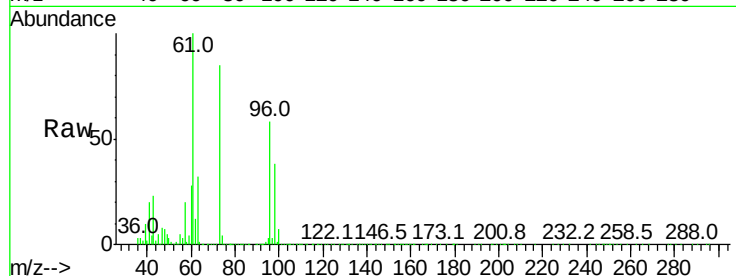


#17

Methyl tert-butyl Ether
 Concen: 18.218 ug/L
 RT: 4.89 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: VR025773.D
 Acq: 20 Sep 2018 12:33

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01012

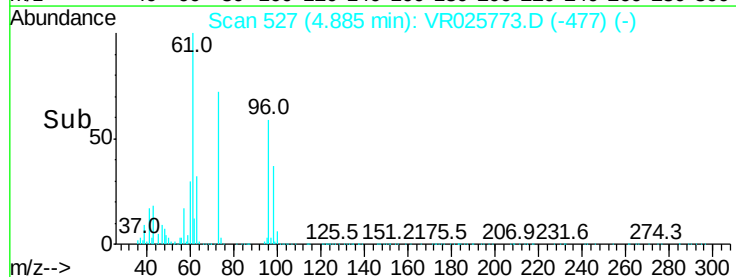
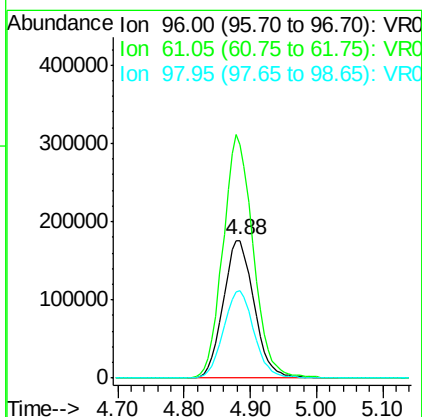
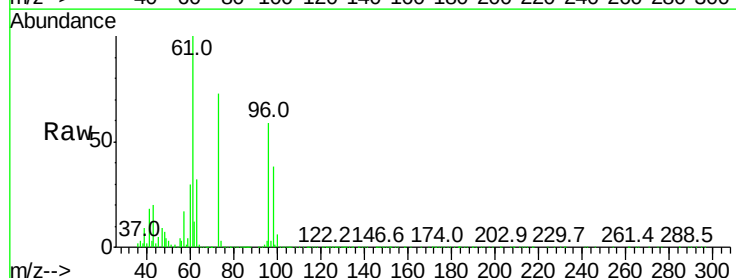
Tgt Ion: 73 Resp: 891874
 Ion Ratio Lower Upper
 73 100
 43 25.9 20.4 30.6
 57 23.0 17.8 26.6

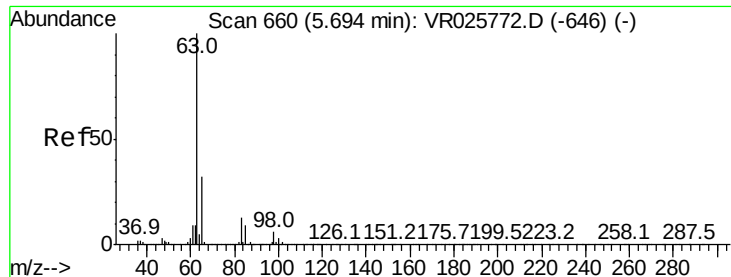


#18

trans-1,2-Dichloroethene
 Concen: 11.633 ug/L
 RT: 4.88 min Scan# 527
 Delta R.T. 0.01 min
 Lab File: VR025773.D
 Acq: 20 Sep 2018 12:33

Tgt Ion: 96 Resp: 565783
 Ion Ratio Lower Upper
 96 100
 61 169.2 121.4 225.6
 98 63.6 42.7 79.3



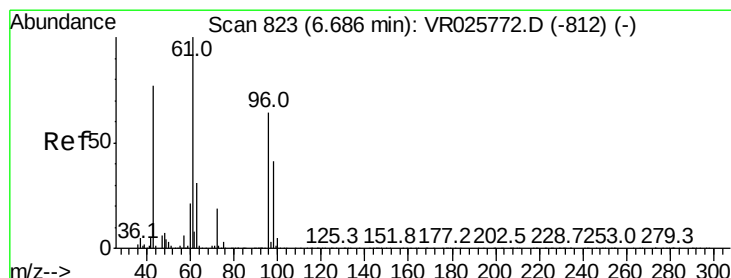
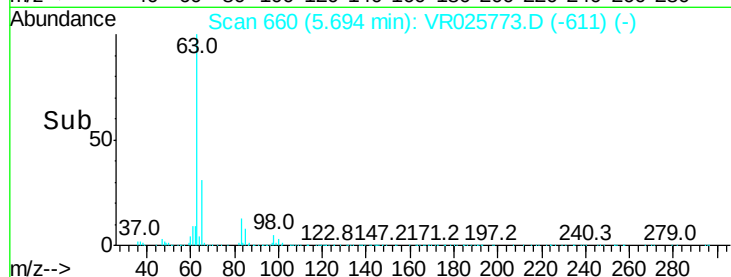
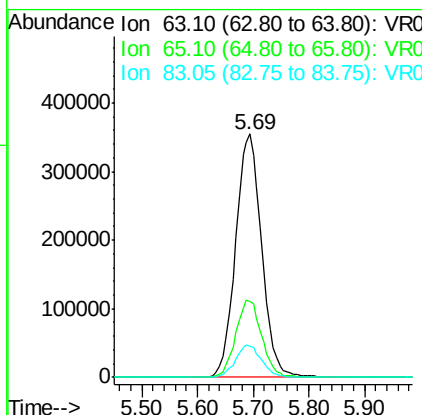
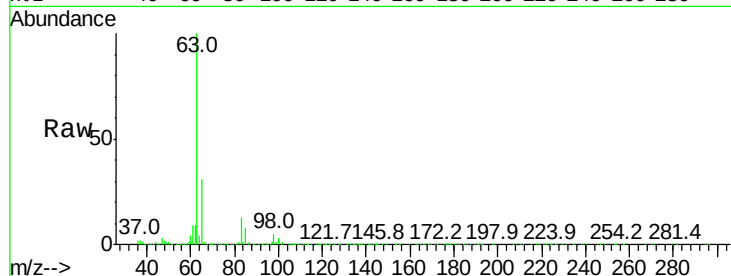


#19
 1,1-Dichloroethane
 Concen: 15.241 ug/L
 RT: 5.69 min Scan# 660
 Delta R.T. -0.00 min
 Lab File: VR025773.D
 Acq: 20 Sep 2018 12:33

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01012

Tgt Ion: 63 Resp: 1142937

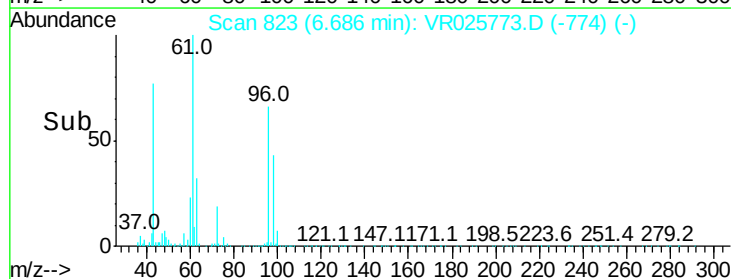
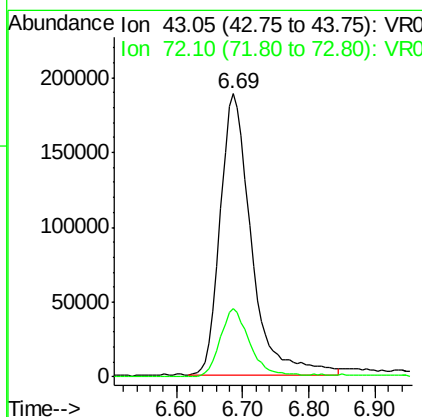
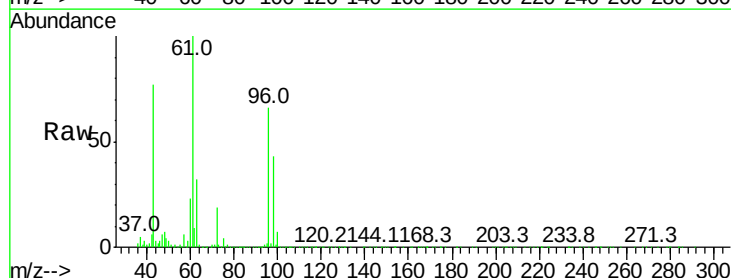
Ion	Ratio	Lower	Upper
63	100		
65	31.4	22.7	42.1
83	12.8	9.3	17.3

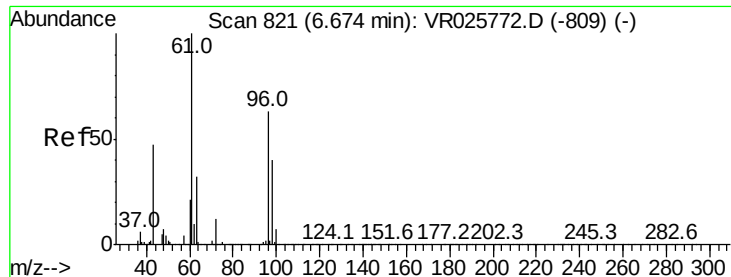


#21
 2-Butanone
 Concen: 161.412 ug/L
 RT: 6.69 min Scan# 823
 Delta R.T. -0.00 min
 Lab File: VR025773.D
 Acq: 20 Sep 2018 12:33

Tgt Ion: 43 Resp: 614549

Ion	Ratio	Lower	Upper
43	100		
72	23.2	12.4	37.0



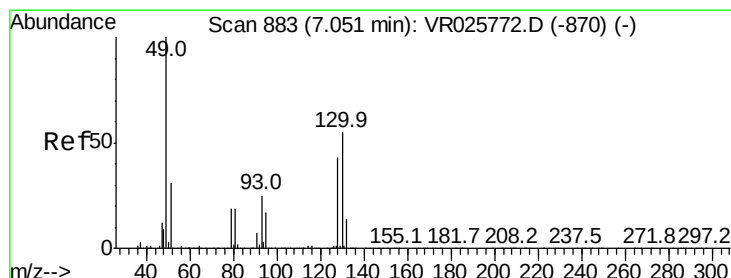
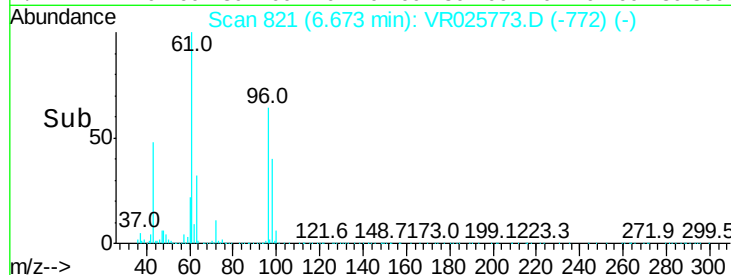
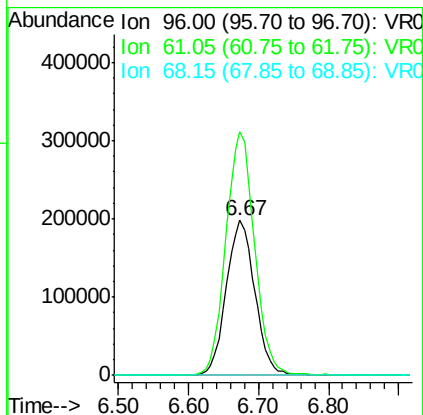
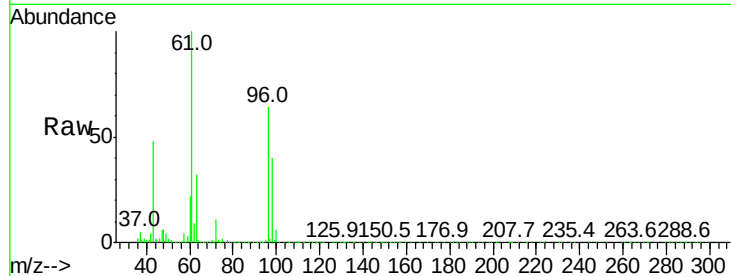


#22

cis-1,2-Dichloroethene
 Concen: 13.295 ug/L
 RT: 6.67 min Scan# 821
 Delta R.T. -0.00 min
 Lab File: VR025773.D
 Acq: 20 Sep 2018 12:33

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01012

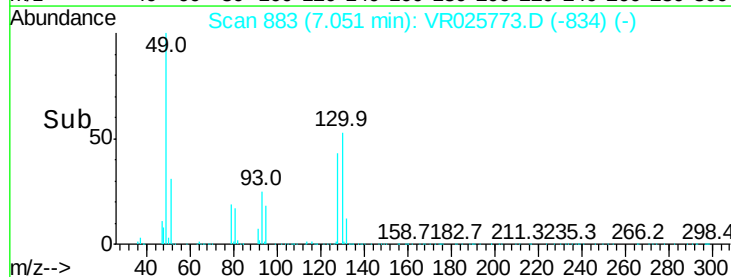
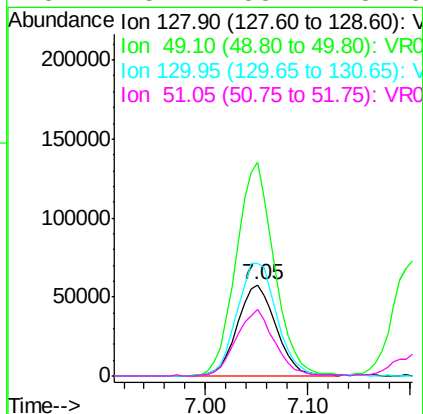
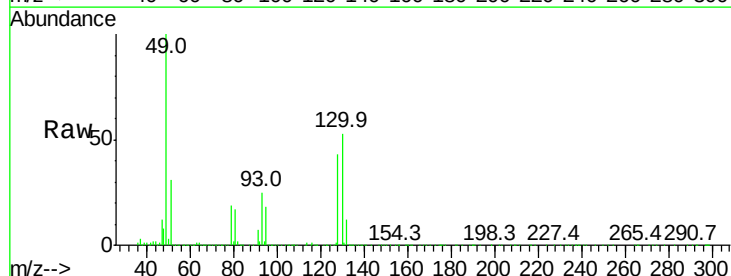
Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.1	110.8	205.8
68	0.2	0.1	0.1#

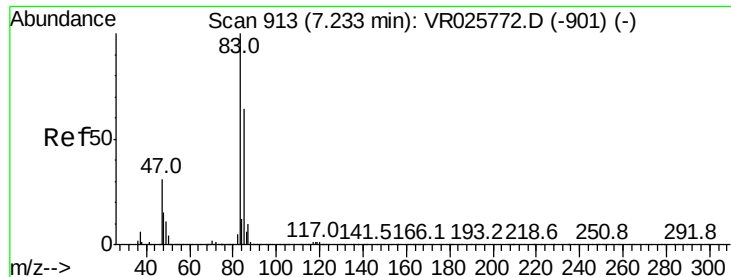


#23

Bromochloromethane
 Concen: 10.460 ug/L
 RT: 7.05 min Scan# 883
 Delta R.T. -0.00 min
 Lab File: VR025773.D
 Acq: 20 Sep 2018 12:33

Tgt Ion	Ratio	Lower	Upper
128	100		
49	234.7	161.5	299.9
130	124.4	89.5	166.1
51	73.7	58.4	87.6

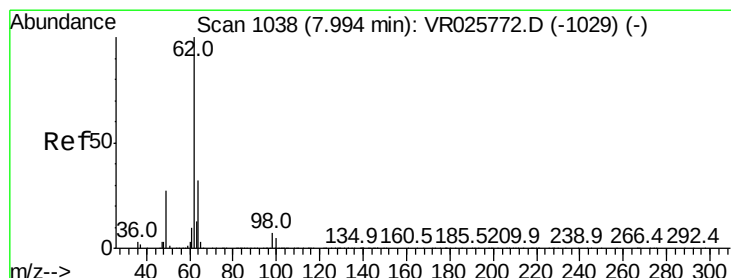
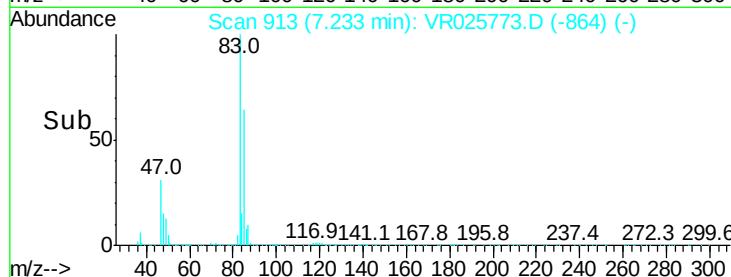
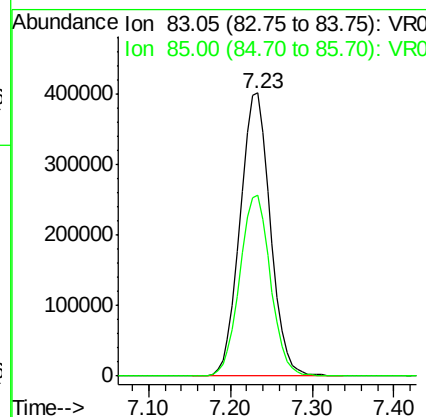
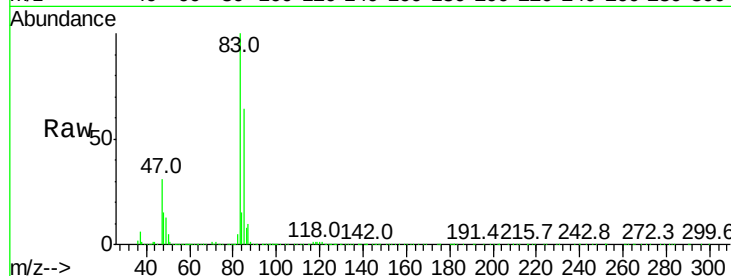




#25
Chloroform
Concen: 15.079 ug/L
RT: 7.23 min Scan# 913
Delta R.T. -0.00 min
Lab File: VR025773.D
Acq: 20 Sep 2018 12:33

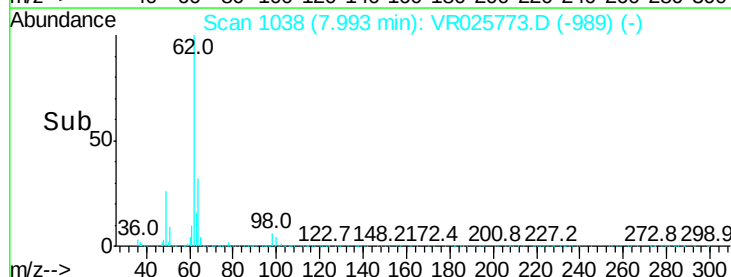
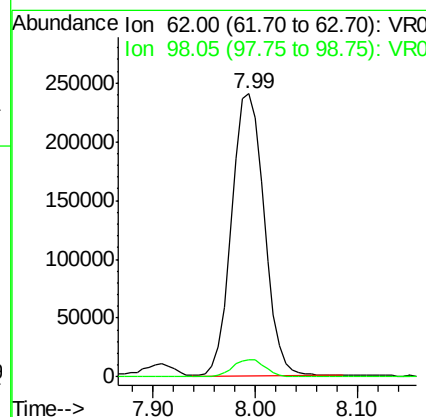
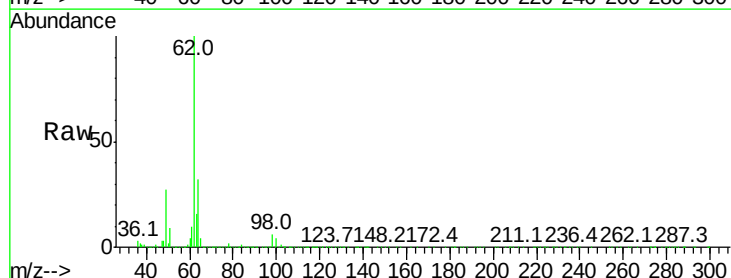
Instrument :
MSVOA_R
ClientSampleId :
VSTD01012

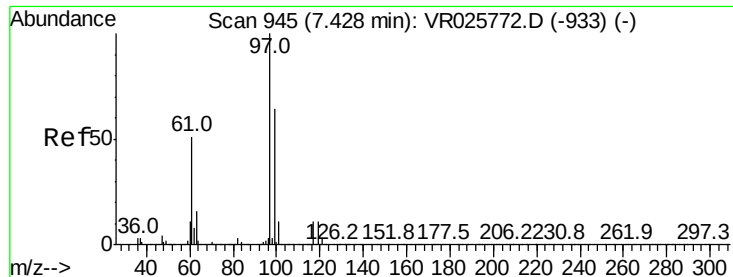
Tgt Ion: 83 Resp: 1033175
Ion Ratio Lower Upper
83 100
85 64.1 44.8 83.2



#27
1,2-Dichloroethane
Concen: 19.636 ug/L
RT: 7.99 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VR025773.D
Acq: 20 Sep 2018 12:33

Tgt Ion: 62 Resp: 530921
Ion Ratio Lower Upper
62 100
98 6.2 5.5 8.3





#29

1,1,1-Trichloroethane

Concen: 20.835 ug/L

RT: 7.43 min Scan# 946

Delta R.T. 0.01 min

Lab File: VR025773.D

Acq: 20 Sep 2018 12:33

Instrument :

MSVOA_R

ClientSampleId :

VSTD01012

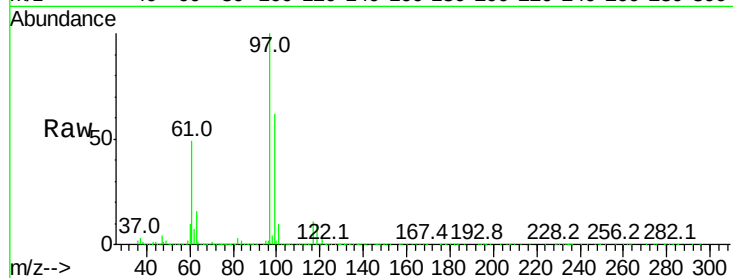
Tgt Ion: 97 Resp: 1006051

Ion Ratio Lower Upper

97 100

99 63.5 51.0 76.6

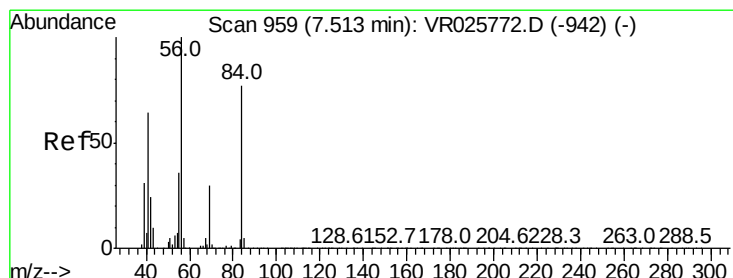
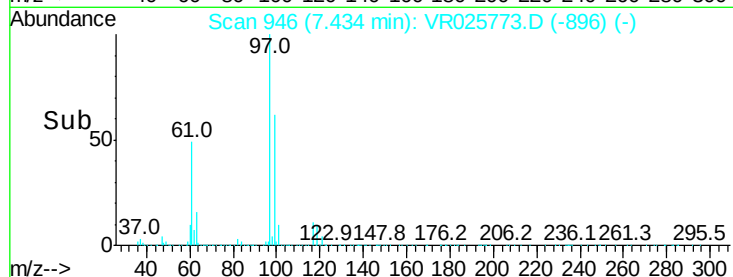
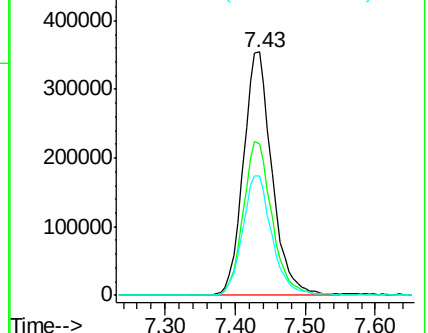
61 50.2 40.4 60.6



Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 61.05 (60.75 to 61.75): VR0



#30

Cyclohexane

Concen: 19.063 ug/L

RT: 7.51 min Scan# 959

Delta R.T. -0.00 min

Lab File: VR025773.D

Acq: 20 Sep 2018 12:33

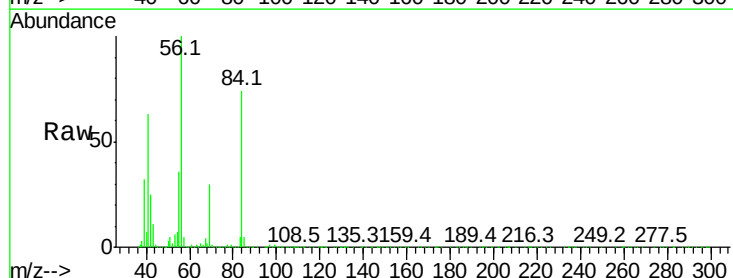
Tgt Ion: 56 Resp: 1106129

Ion Ratio Lower Upper

56 100

69 30.0 24.0 36.0

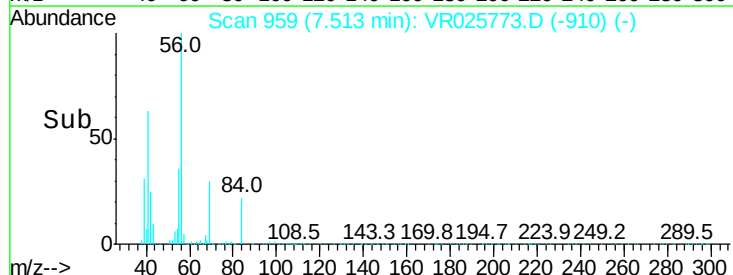
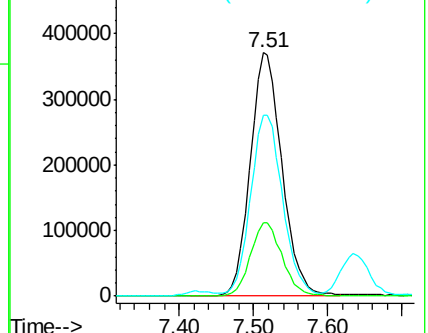
84 74.8 60.2 90.4

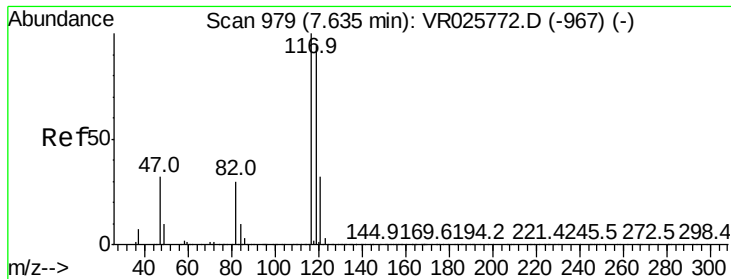


Abundance Ion 56.10 (55.80 to 56.80): VR0

Ion 69.15 (68.85 to 69.85): VR0

Ion 84.15 (83.85 to 84.85): VR0





#31

Carbon tetrachloride

Concen: 18.571 ug/L

RT: 7.63 min Scan# 979

Delta R.T. -0.00 min

Lab File: VR025773.D

Acq: 20 Sep 2018 12:33

Instrument :

MSVOA_R

ClientSampleId :

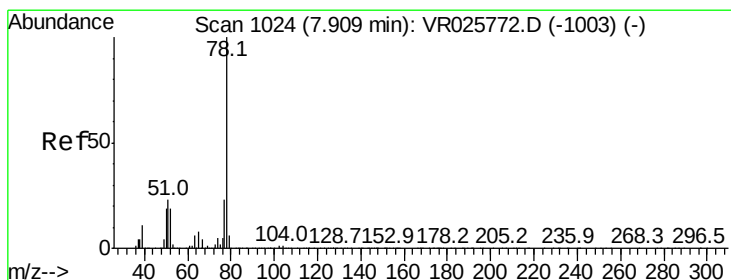
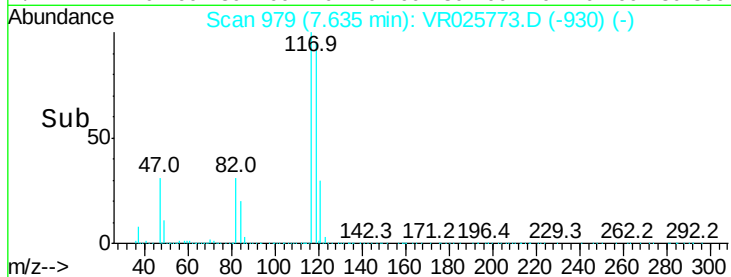
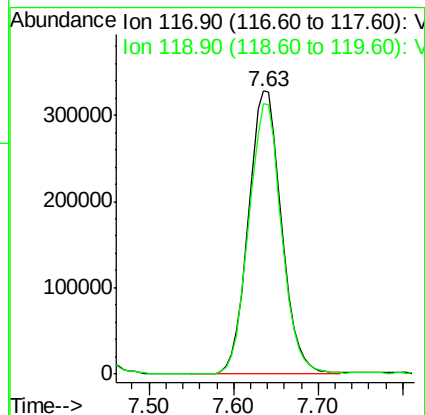
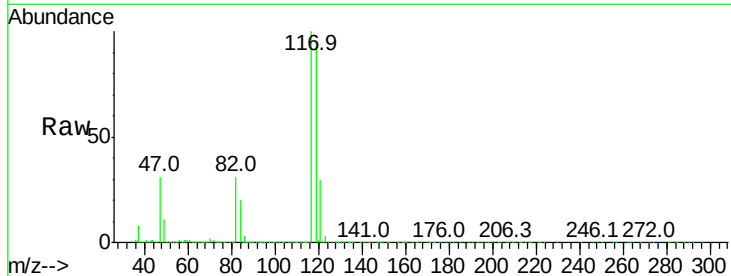
VSTD01012

Tgt Ion:117 Resp: 869242

Ion Ratio Lower Upper

117 100

119 95.3 76.5 114.7



#33

Benzene

Concen: 13.047 ug/L

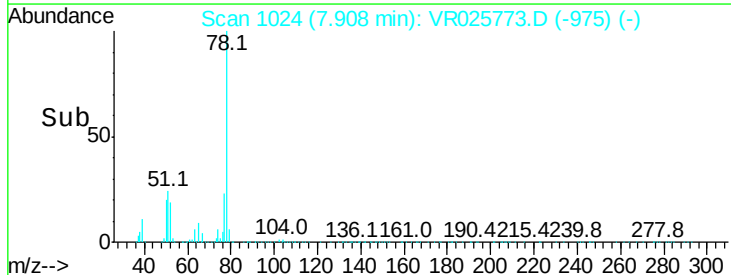
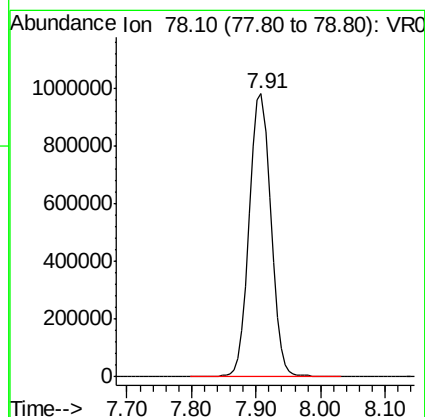
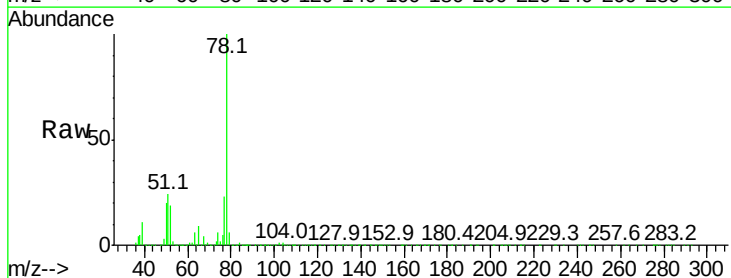
RT: 7.91 min Scan# 1024

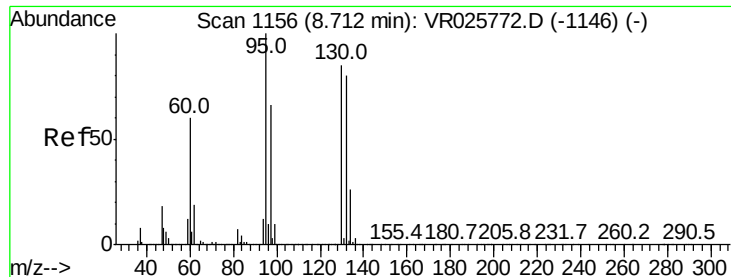
Delta R.T. -0.00 min

Lab File: VR025773.D

Acq: 20 Sep 2018 12:33

Tgt Ion: 78 Resp: 2253232





#34

Trichloroethene

Concen: 14.934 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VR025773.D

Acq: 20 Sep 2018 12:33

Instrument :

MSVOA_R

ClientSampleId :

VSTD01012

Tgt Ion: 95 Resp: 625092

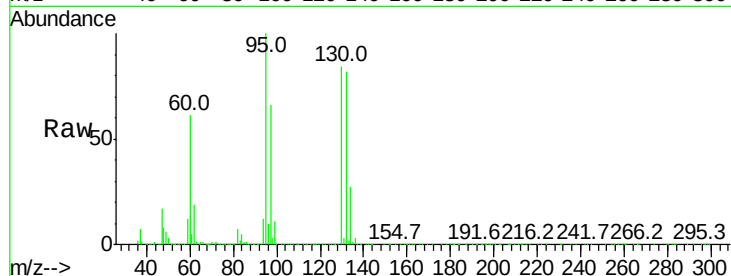
Ion Ratio Lower Upper

95 100

97 66.0 46.2 85.8

132 81.5 56.0 104.0

130 84.4 59.6 110.8

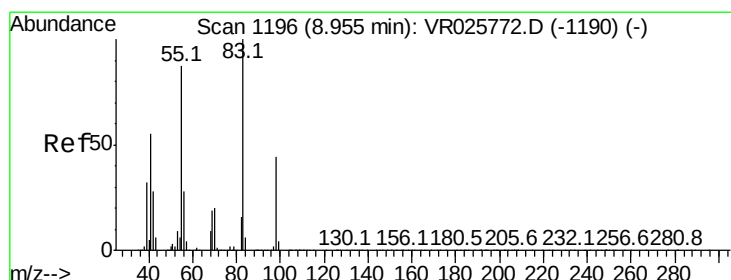
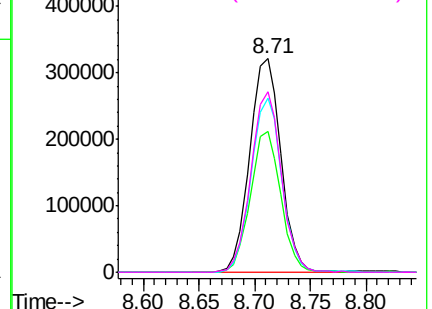
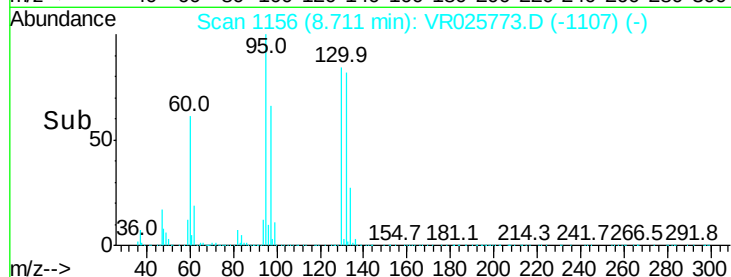


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 15.585 ug/L

RT: 8.95 min Scan# 1196

Delta R.T. -0.00 min

Lab File: VR025773.D

Acq: 20 Sep 2018 12:33

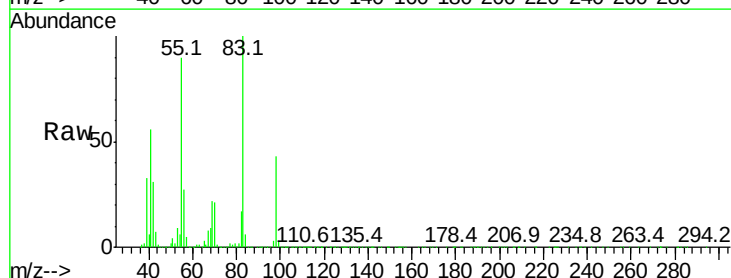
Tgt Ion: 83 Resp: 1006822

Ion Ratio Lower Upper

83 100

55 91.3 70.3 105.5

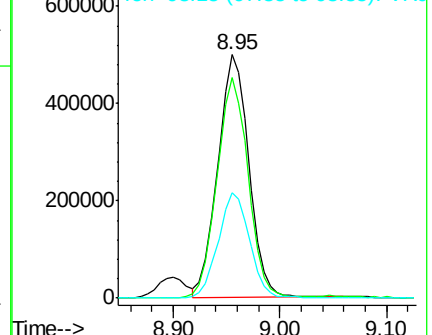
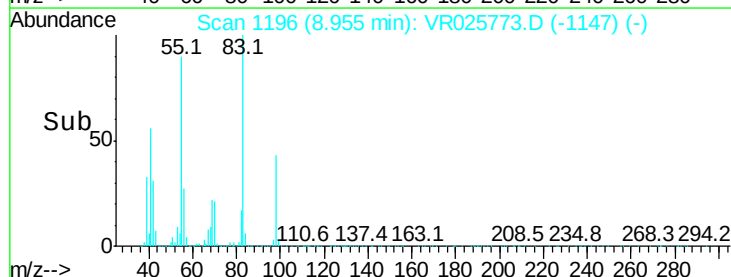
98 44.2 34.4 51.6

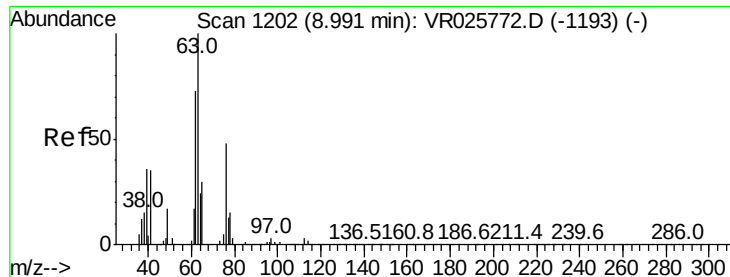


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 12.777 ug/L

RT: 9.00 min Scan# 1203

Delta R.T. 0.01 min

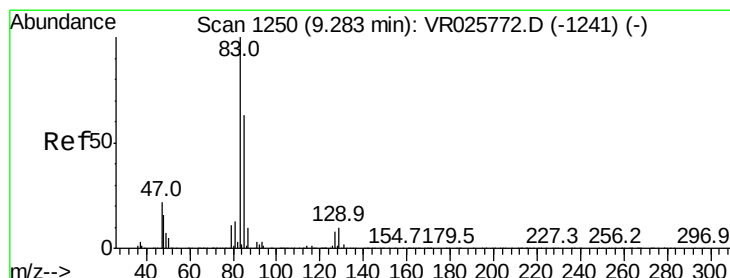
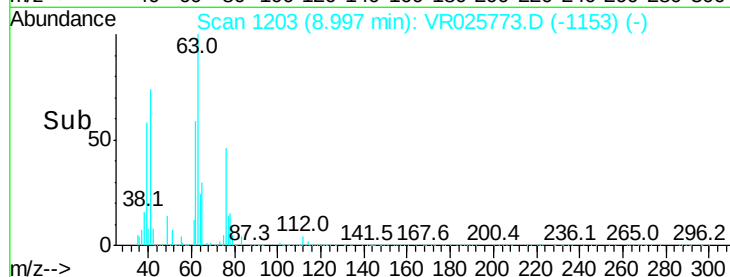
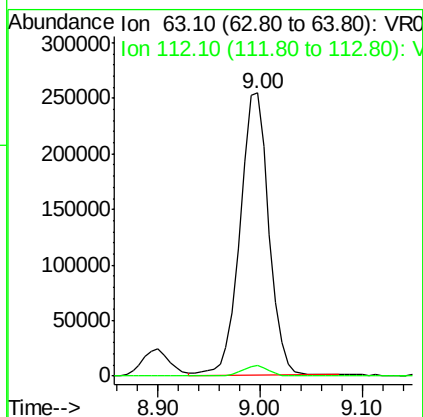
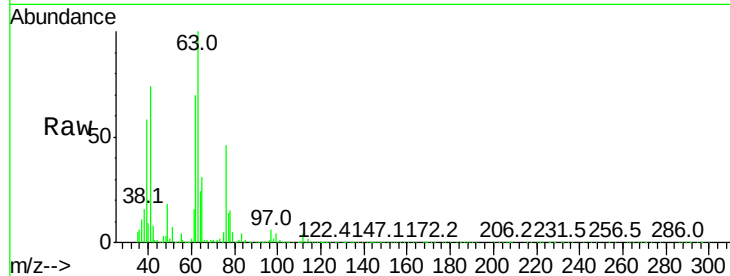
Lab File: VR025773.D

Acq: 20 Sep 2018 12:33

Instrument :
MSVOA_R
ClientSampleId :
VSTD01012

Tgt Ion: 63 Resp: 497469

Ion	Ratio	Lower	Upper
63	100		
112	3.5	3.0	4.6



#38

Bromodichloromethane

Concen: 17.989 ug/L

RT: 9.28 min Scan# 1249

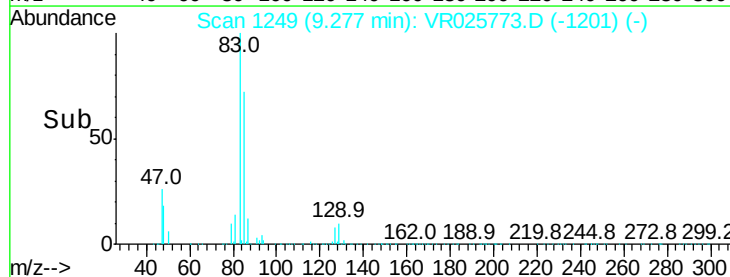
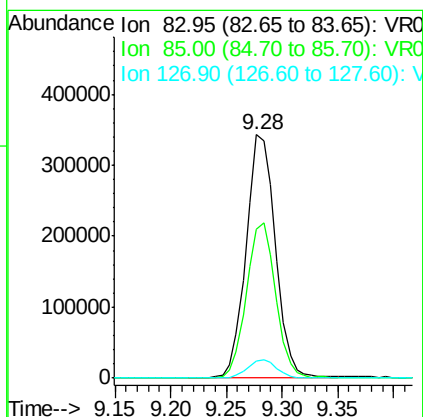
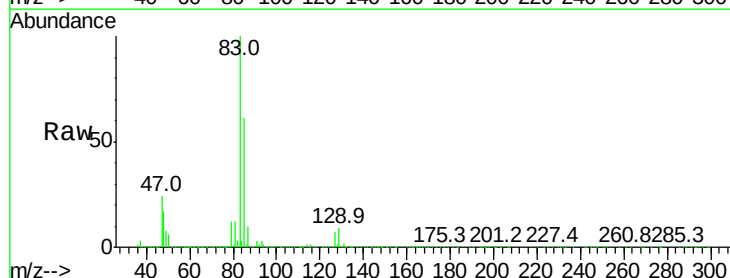
Delta R.T. -0.01 min

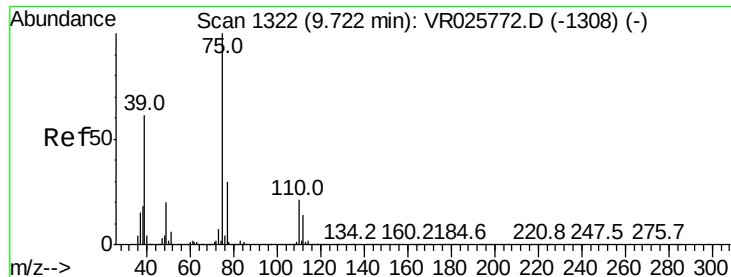
Lab File: VR025773.D

Acq: 20 Sep 2018 12:33

Tgt Ion: 83 Resp: 628981

Ion	Ratio	Lower	Upper
83	100		
85	61.0	44.2	82.0
127	7.1	6.0	9.0

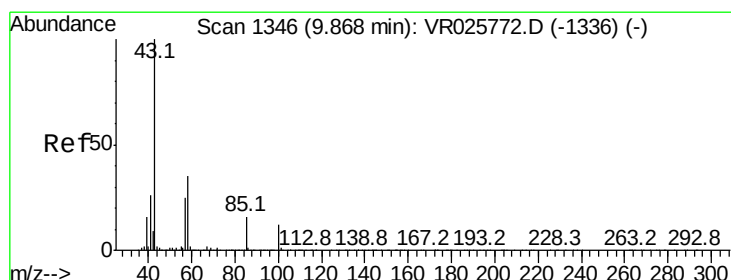
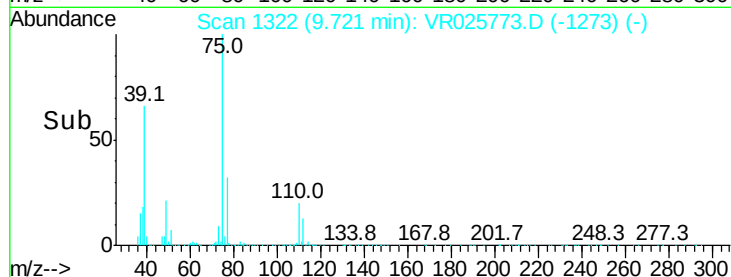
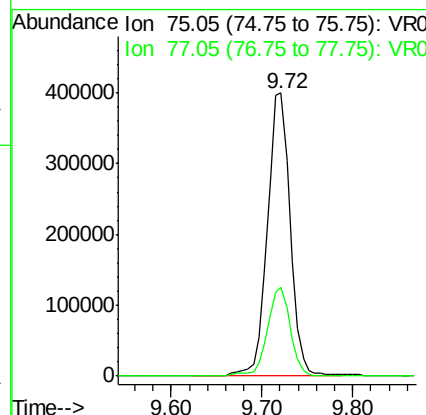
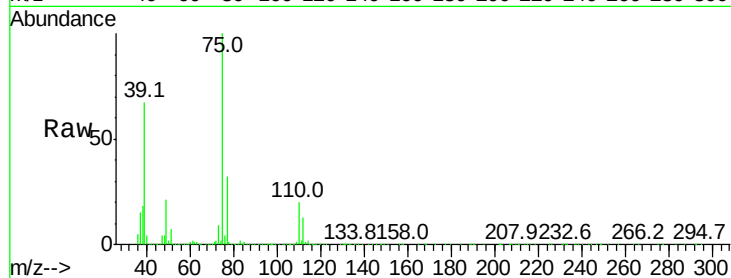




#39
 cis-1,3-Dichloropropene
 Concen: 17.468 ug/L
 RT: 9.72 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VR025773.D
 Acq: 20 Sep 2018 12:33

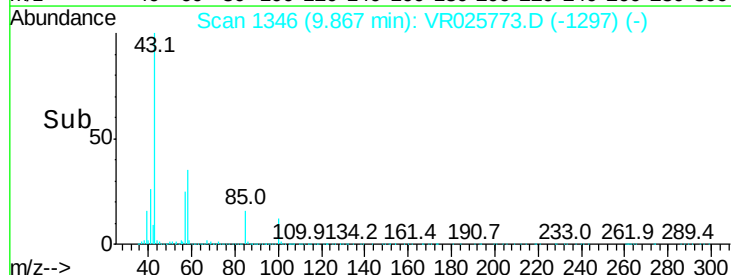
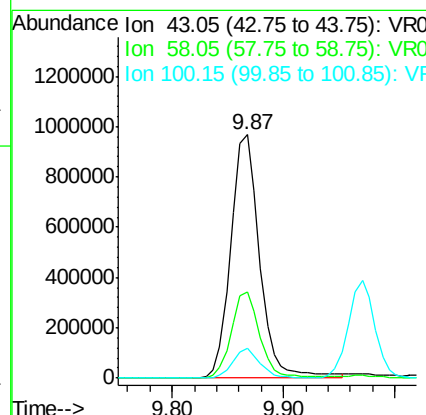
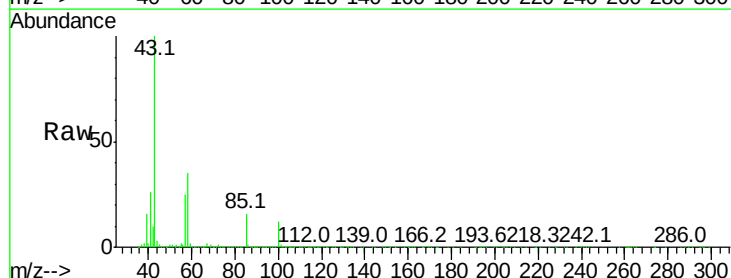
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01012

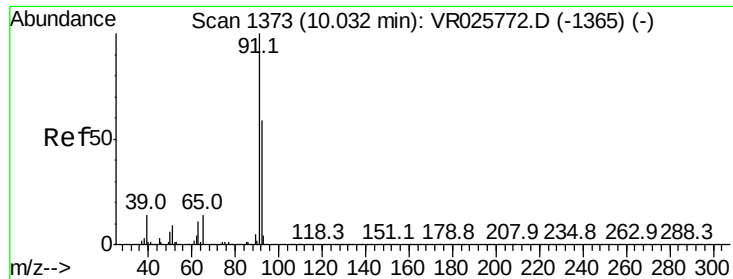
Tgt Ion: 75 Resp: 695444
 Ion Ratio Lower Upper
 75 100
 77 31.6 21.2 39.4



#40
 4-Methyl-2-pentanone
 Concen: 180.787 ug/L
 RT: 9.87 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: VR025773.D
 Acq: 20 Sep 2018 12:33

Tgt Ion: 43 Resp: 1739895
 Ion Ratio Lower Upper
 43 100
 58 34.9 28.3 42.5
 100 11.6 9.3 13.9





#42

Toluene

Concen: 12.869 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. 0.01 min

Lab File: VR025773.D

Acq: 20 Sep 2018 12:33

Instrument :

MSVOA_R

ClientSampleId :

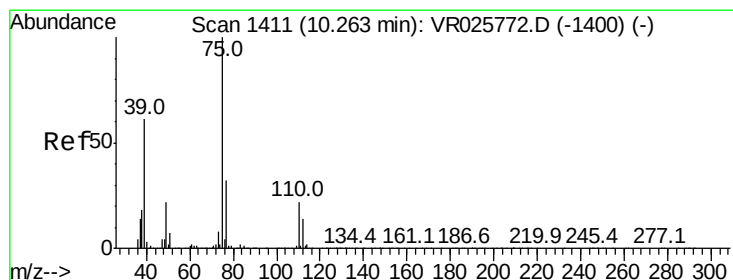
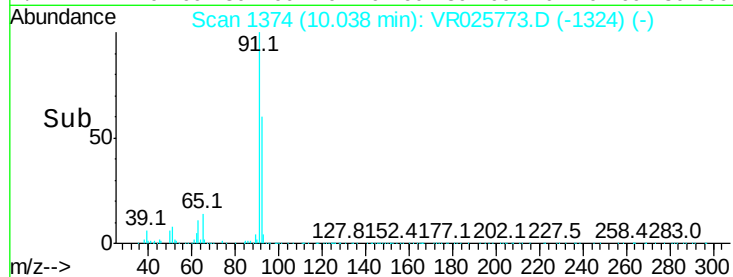
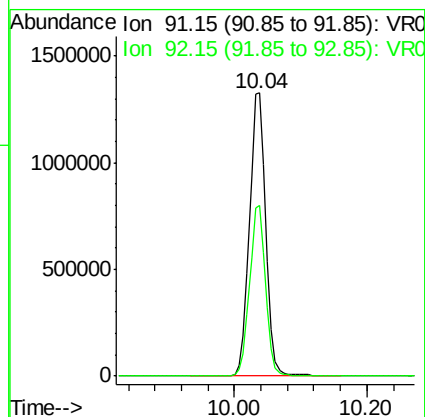
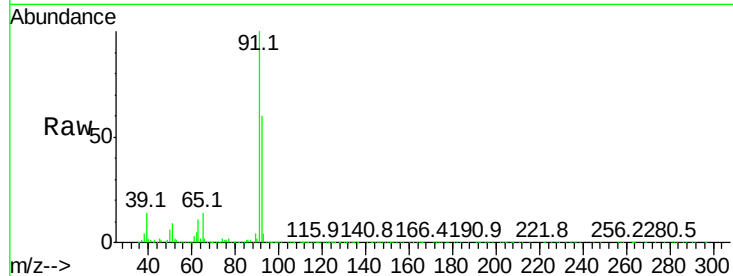
VSTD01012

Tgt Ion: 91 Resp: 2274951

Ion Ratio Lower Upper

91 100

92 60.2 41.1 76.3



#44

trans-1,3-Dichloropropene

Concen: 18.754 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR025773.D

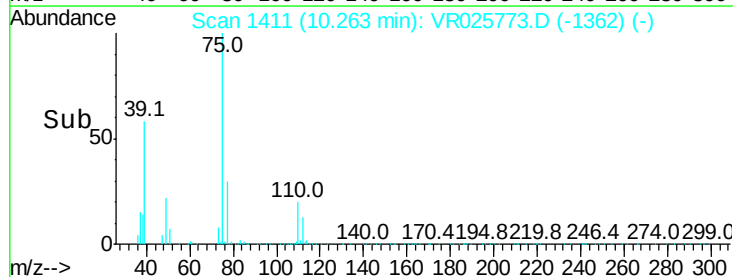
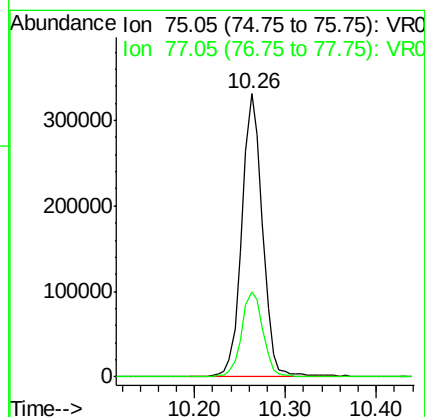
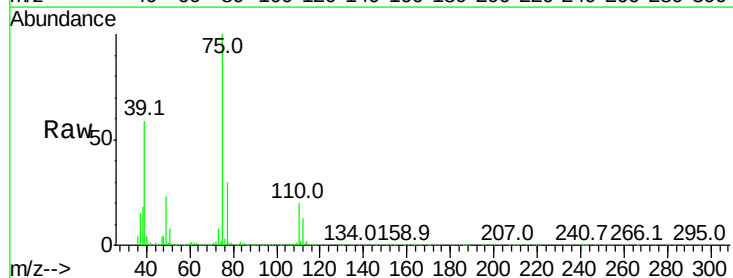
Acq: 20 Sep 2018 12:33

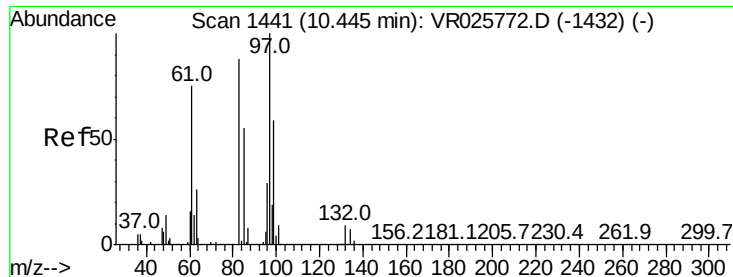
Tgt Ion: 75 Resp: 525158

Ion Ratio Lower Upper

75 100

77 29.9 22.6 42.0

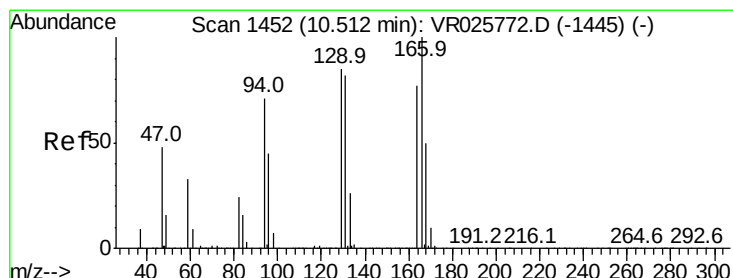
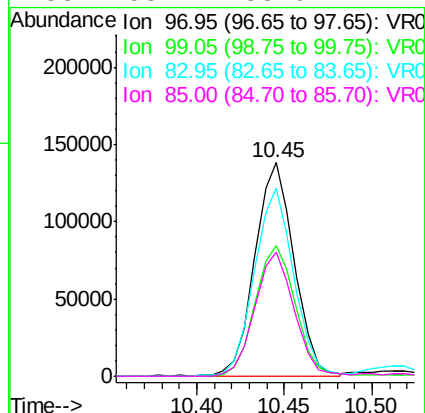
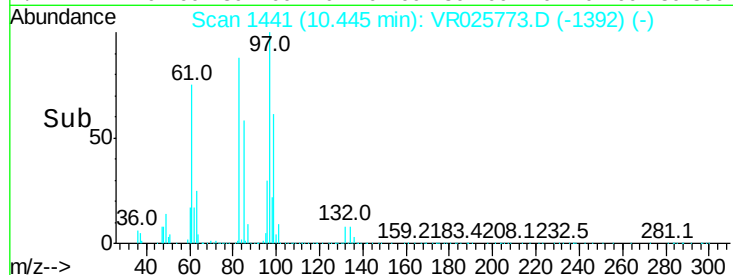
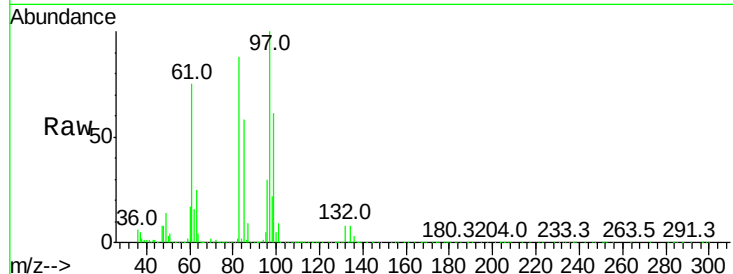




#45
 1,1,2-Trichloroethane
 Concen: 11.780 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VR025773.D
 Acq: 20 Sep 2018 12:33

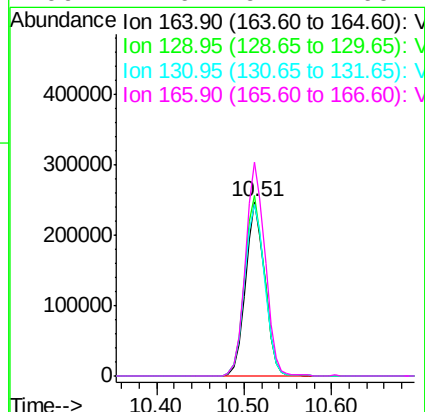
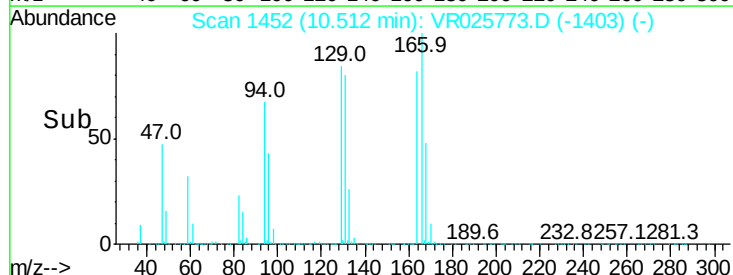
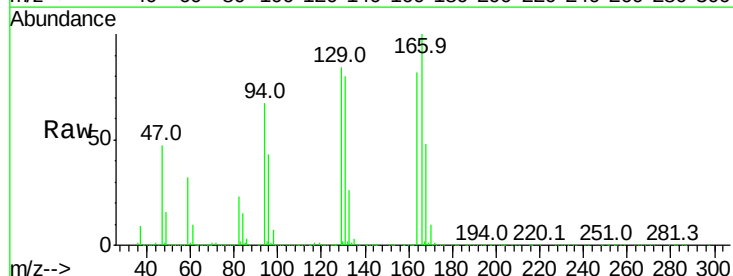
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01012

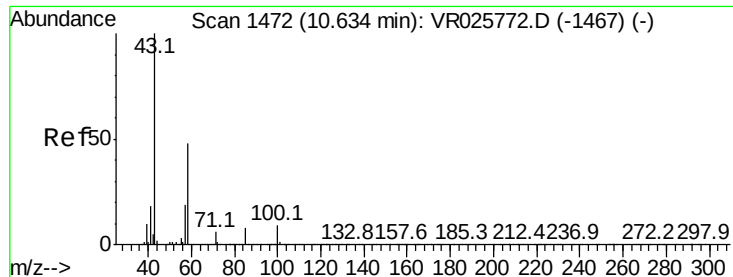
Tgt Ion:	97	Resp:	214829
Ion	Ratio	Lower	Upper
97	100		
99	60.9	41.2	76.4
83	88.3	61.3	113.9
85	58.4	38.9	72.2



#47
 Tetrachloroethene
 Concen: 11.003 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: VR025773.D
 Acq: 20 Sep 2018 12:33

Tgt Ion:	164	Resp:	377134
Ion	Ratio	Lower	Upper
164	100		
129	103.4	77.5	143.9
131	98.1	74.3	138.1
166	122.6	91.1	169.1



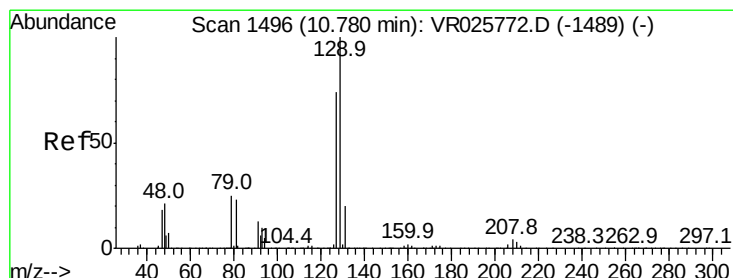
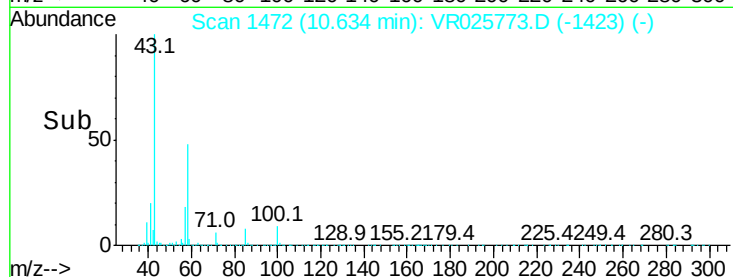
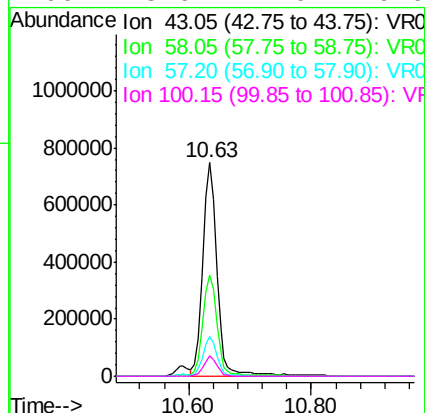
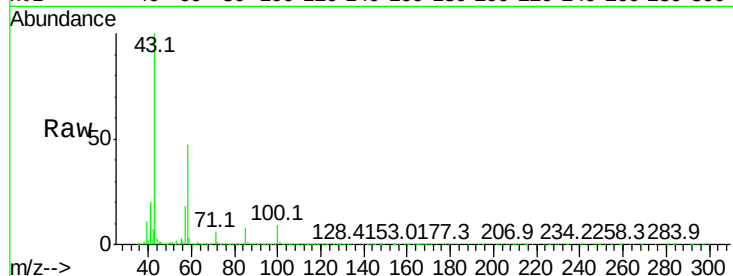


#48
2-Hexanone
Concen: 178.097 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR025773.D
Acq: 20 Sep 2018 12:33

Instrument :
MSVOA_R
ClientSampled :
VSTD01012

Tgt Ion: 43 Resp: 1202049

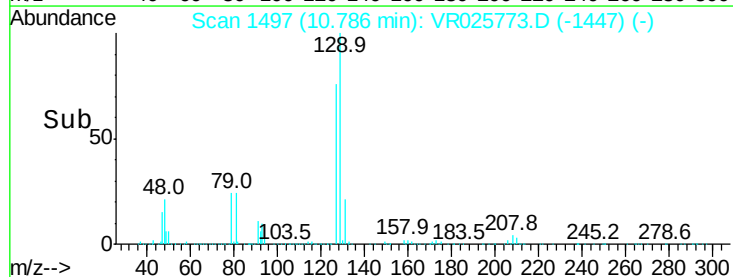
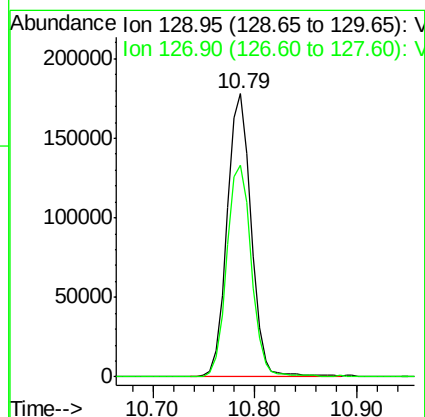
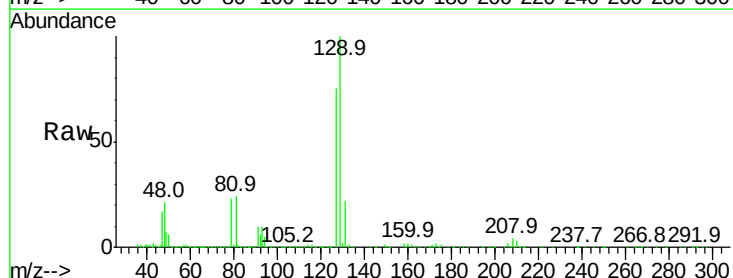
Ion	Ratio	Lower	Upper
43	100		
58	48.2	39.9	59.9
57	18.1	14.3	21.5
100	8.6	7.0	10.6

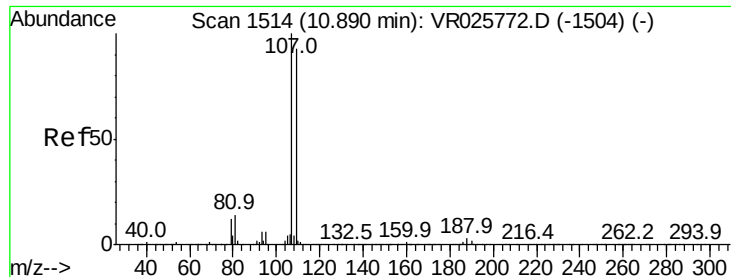


#49
Dibromochloromethane
Concen: 14.864 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.01 min
Lab File: VR025773.D
Acq: 20 Sep 2018 12:33

Tgt Ion: 129 Resp: 288746

Ion	Ratio	Lower	Upper
129	100		
127	74.8	51.9	96.5

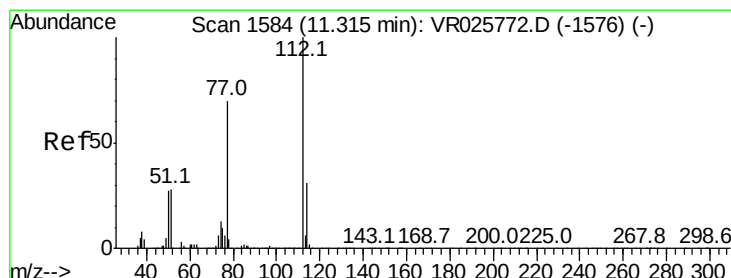
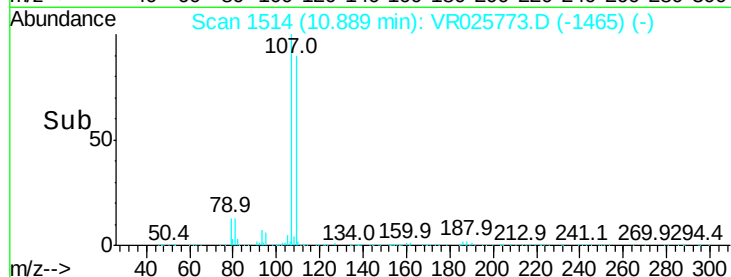
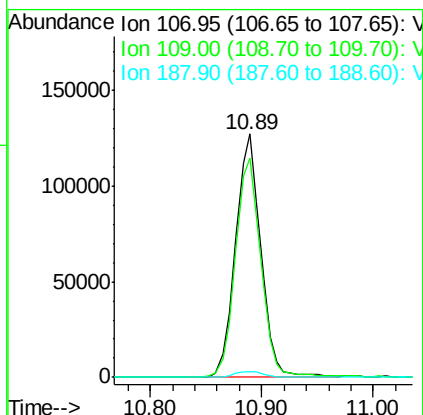
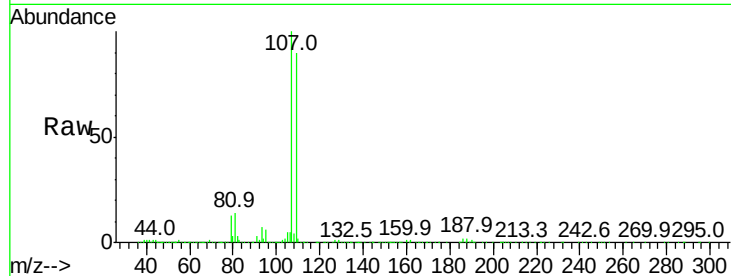




#50
1,2-Dibromoethane
Concen: 13.784 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VR025773.D
Acq: 20 Sep 2018 12:33

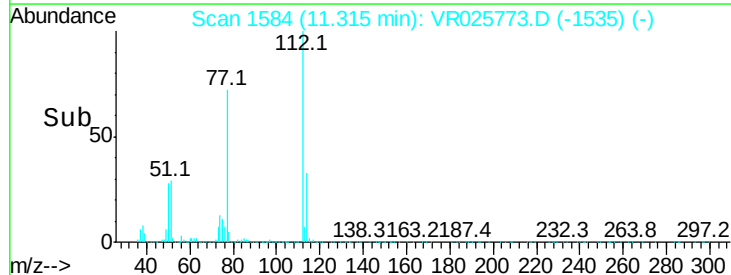
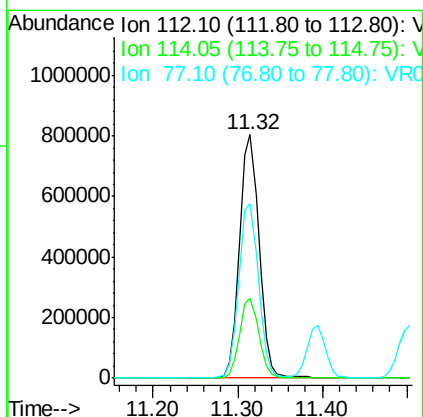
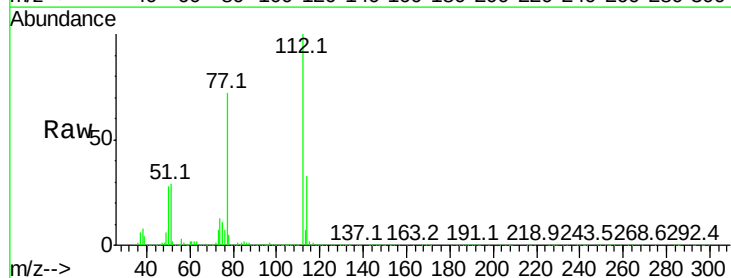
Instrument :
MSVOA_R
ClientSampleId :
VSTD01012

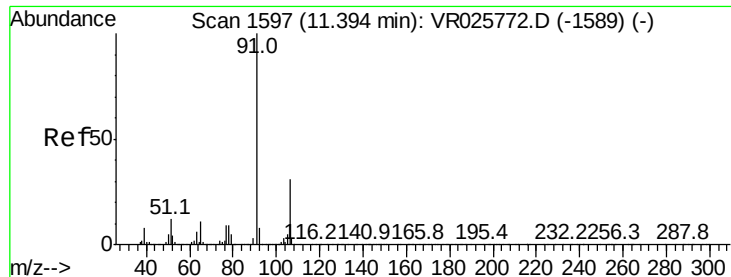
Tgt Ion	Ratio	Lower	Upper
107	100		
109	89.8	65.3	121.3
188	2.4	2.0	3.0



#51
Chlorobenzene
Concen: 11.218 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VR025773.D
Acq: 20 Sep 2018 12:33

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.7	22.0	41.0
77	71.7	56.3	84.5





#52

Ethylbenzene

Concen: 14.054 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VR025773.D

Acq: 20 Sep 2018 12:33

Instrument :

MSVOA_R

ClientSampleId :

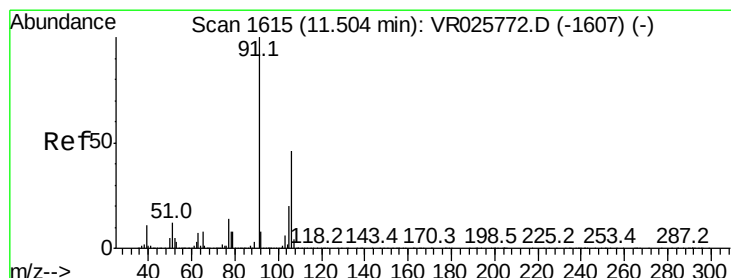
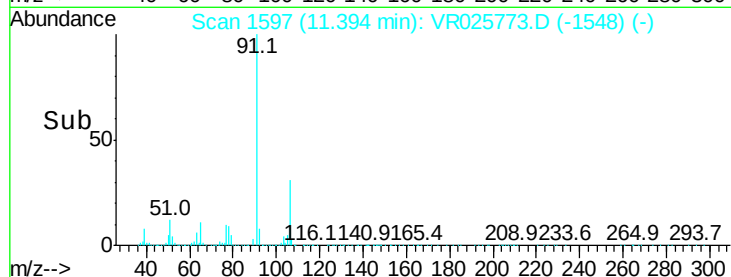
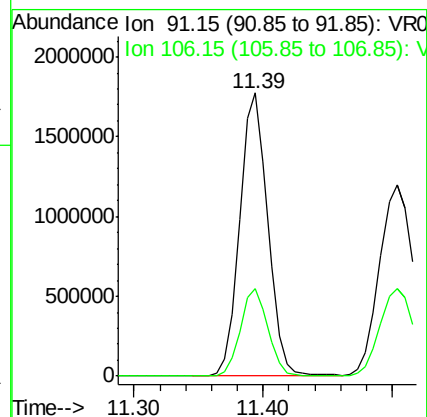
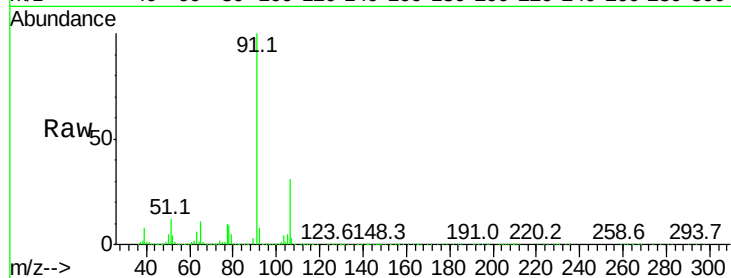
VSTD01012

Tgt Ion: 91 Resp: 2676823

Ion Ratio Lower Upper

91 100

106 31.0 21.4 39.8



#53

m,p-Xylene

Concen: 12.969 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR025773.D

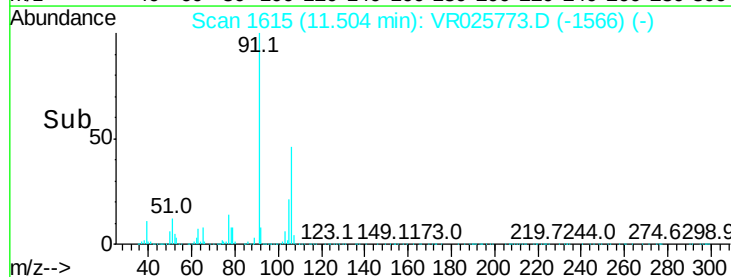
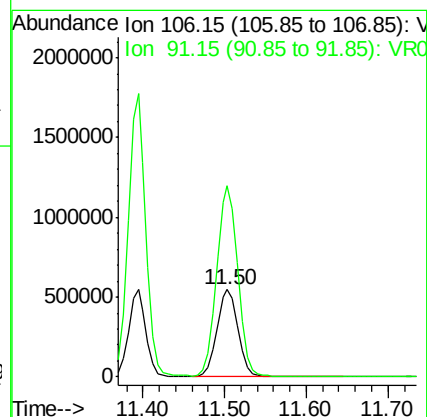
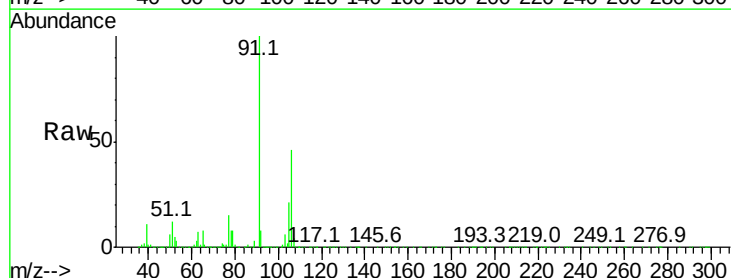
Acq: 20 Sep 2018 12:33

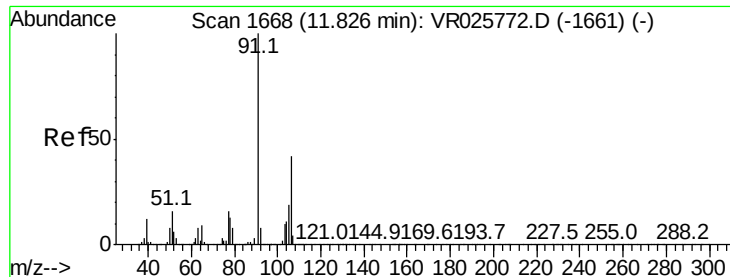
Tgt Ion: 106 Resp: 993940

Ion Ratio Lower Upper

106 100

91 219.3 154.3 286.5

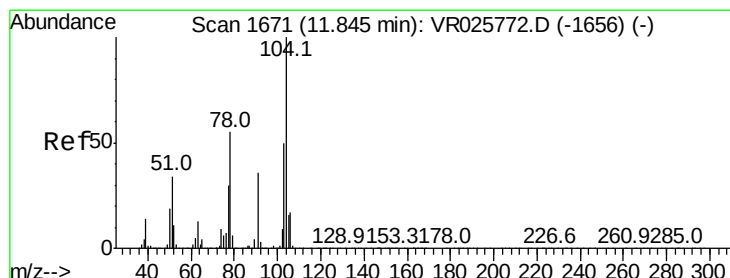
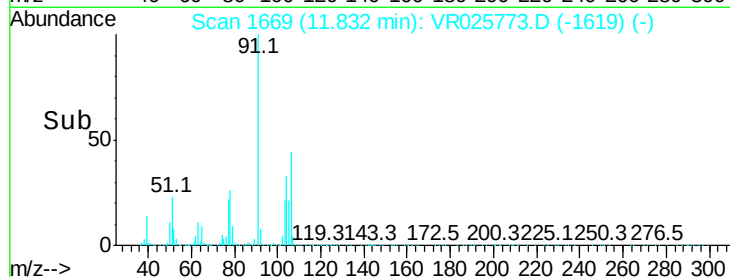
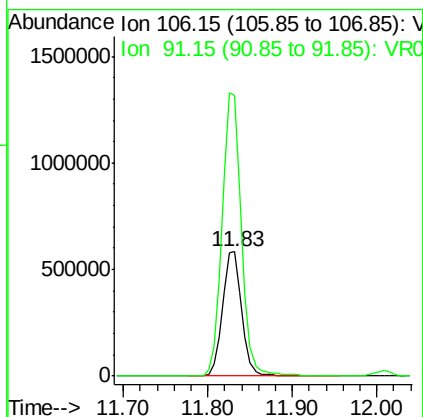
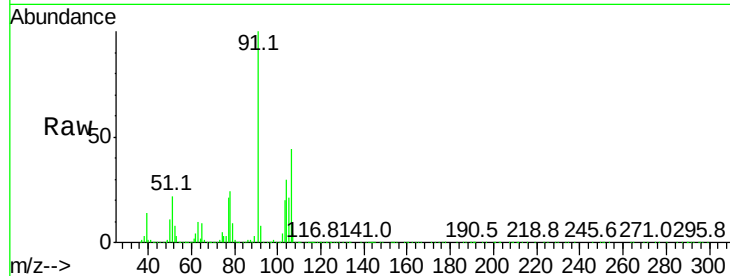




#54
o-Xylene
Concen: 13.611 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. 0.01 min
Lab File: VR025773.D
Acq: 20 Sep 2018 12:33

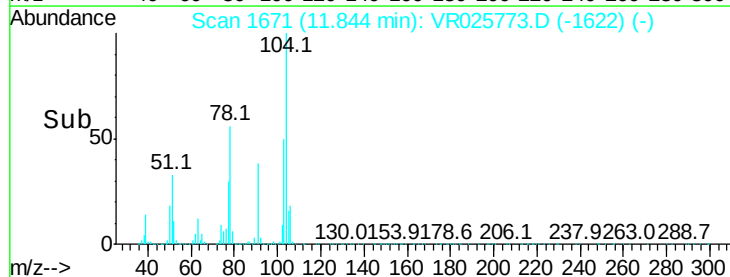
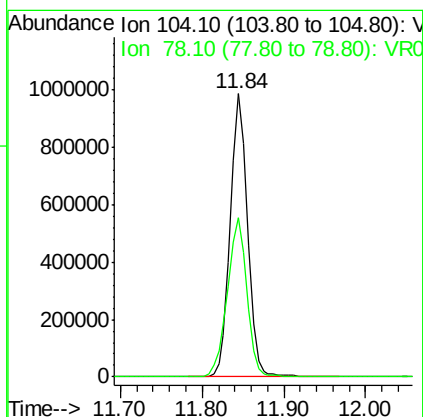
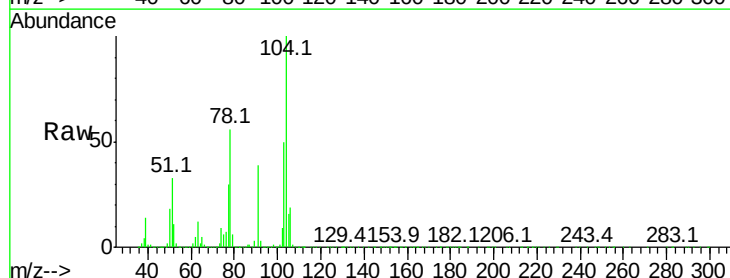
Instrument :
MSVOA_R
ClientSampleId :
VSTD01012

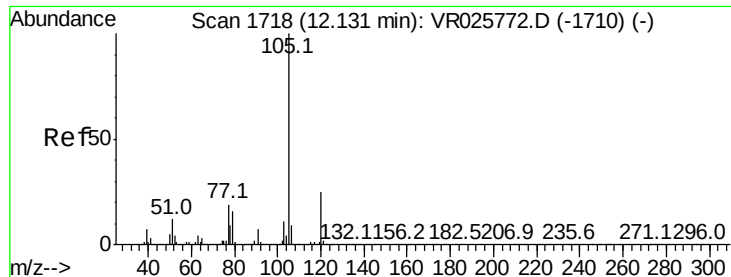
Tgt Ion:106 Resp: 919025
Ion Ratio Lower Upper
106 100
91 225.7 167.1 310.3



#55
Styrene
Concen: 13.239 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VR025773.D
Acq: 20 Sep 2018 12:33

Tgt Ion:104 Resp: 1439477
Ion Ratio Lower Upper
104 100
78 56.1 38.1 70.9





#56

Isopropylbenzene

Concen: 15.010 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR025773.D

Acq: 20 Sep 2018 12:33

Instrument :

MSVOA_R

ClientSampleId :

VSTD01012

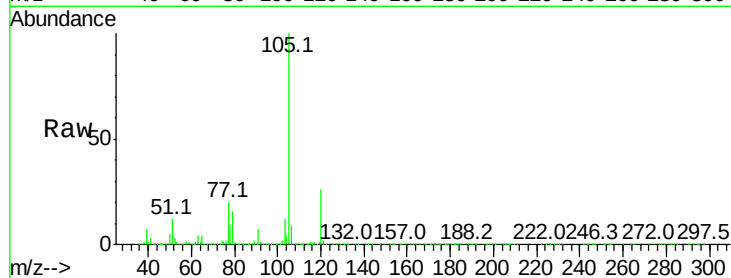
Tgt Ion:105 Resp: 2525458

Ion Ratio Lower Upper

105 100

120 25.6 20.1 30.1

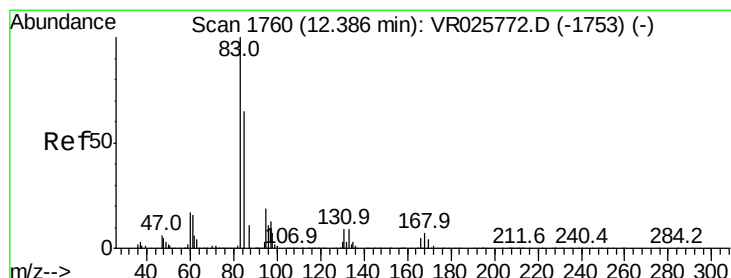
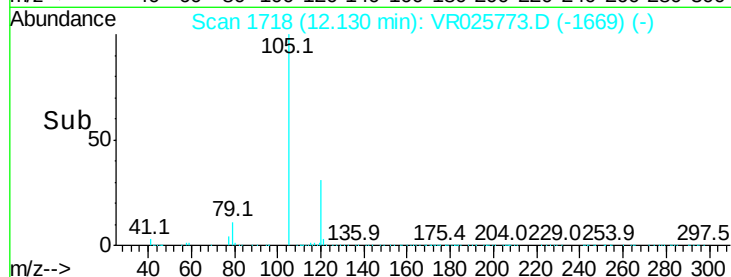
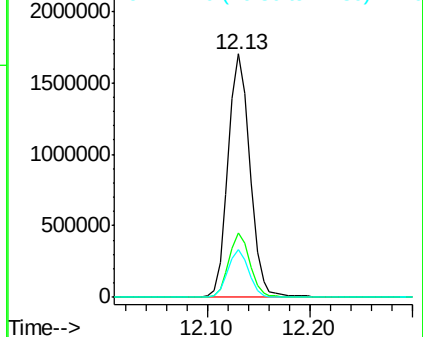
77 19.1 15.3 22.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 13.140 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. -0.00 min

Lab File: VR025773.D

Acq: 20 Sep 2018 12:33

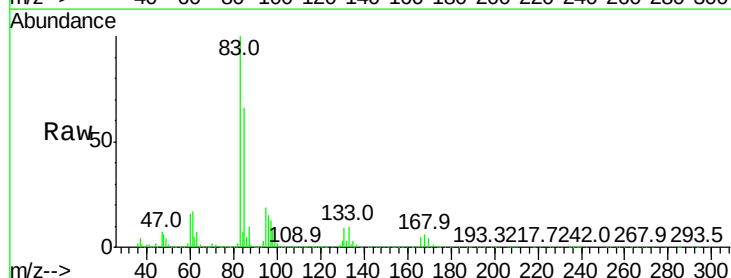
Tgt Ion: 83 Resp: 233398

Ion Ratio Lower Upper

83 100

85 65.9 45.4 84.4

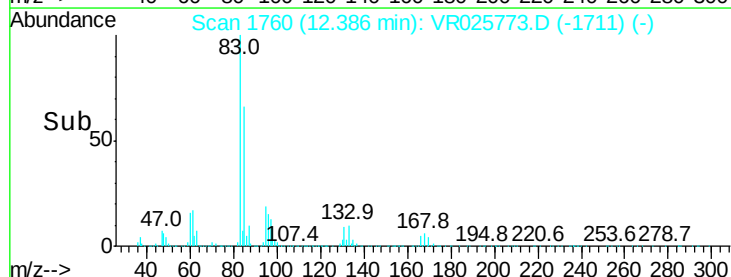
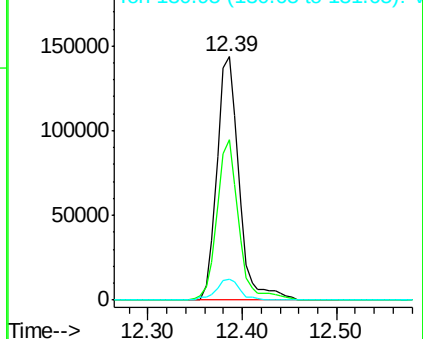
131 8.8 7.5 11.3

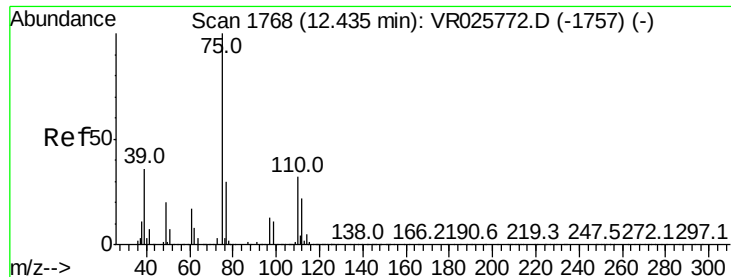


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V

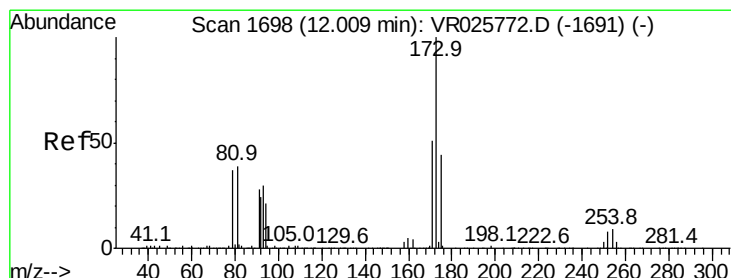
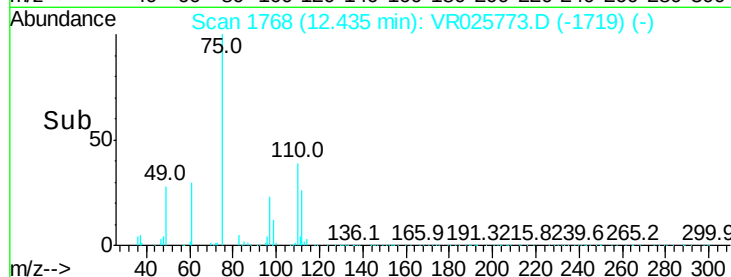
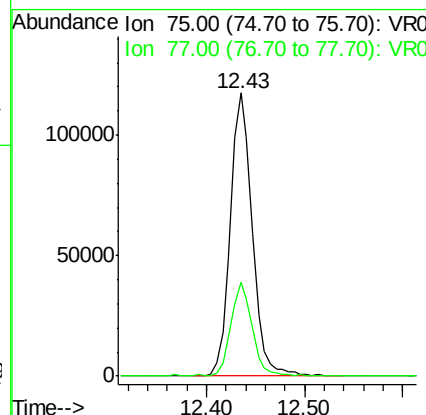
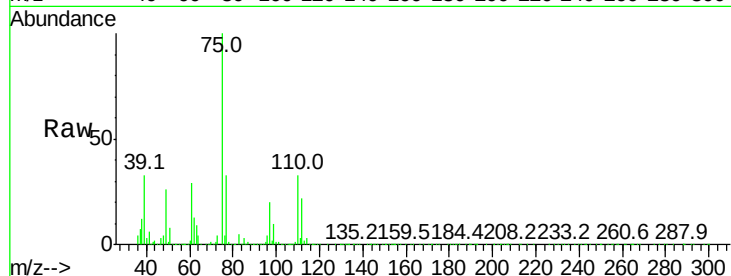




#59
 1,2,3-Trichloropropane
 Concen: 15.216 ug/L
 RT: 12.43 min Scan# 1768
 Delta R.T. -0.00 min
 Lab File: VR025773.D
 Acq: 20 Sep 2018 12:33

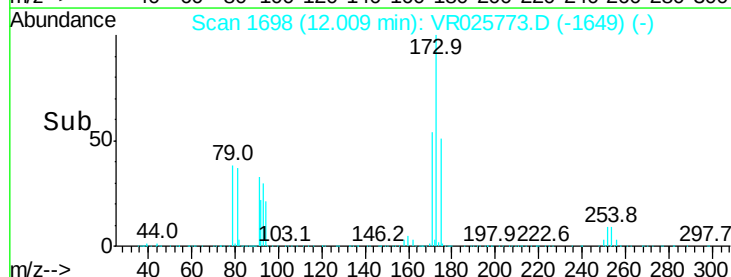
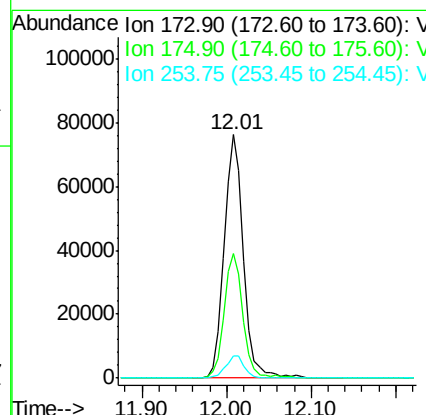
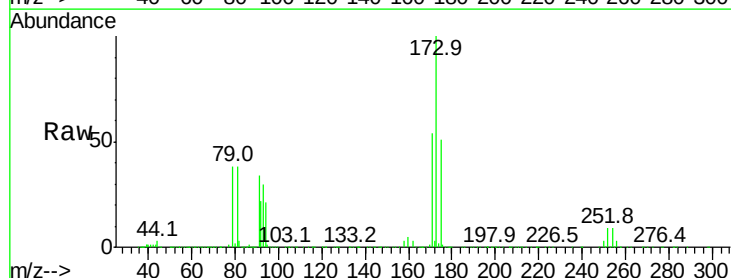
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01012

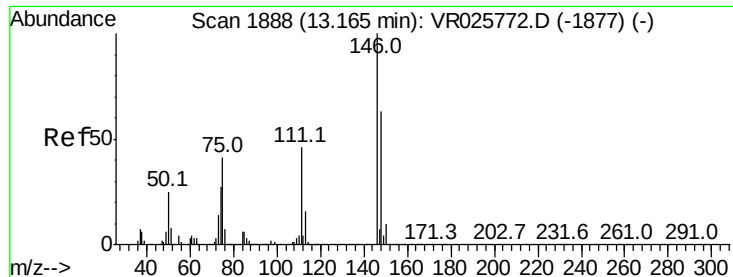
Tgt Ion: 75 Resp: 181779
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.6 38.4



#61
 Bromoform
 Concen: 14.859 ug/L
 RT: 12.01 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VR025773.D
 Acq: 20 Sep 2018 12:33

Tgt Ion: 173 Resp: 119924
 Ion Ratio Lower Upper
 173 100
 175 49.3 39.9 59.9
 254 9.0 6.6 9.8





#62

1,3-Dichlorobenzene

Concen: 13.792 ug/L

RT: 13.16 min Scan# 1887

Delta R.T. -0.01 min

Lab File: VR025773.D

Acq: 20 Sep 2018 12:33

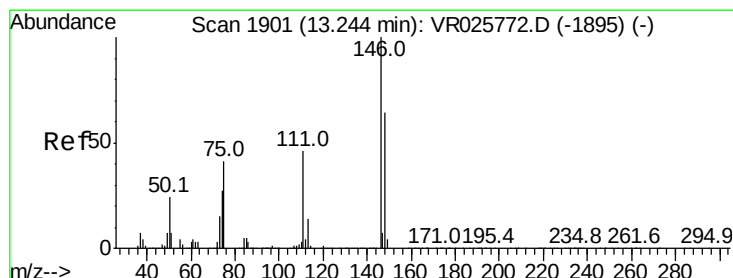
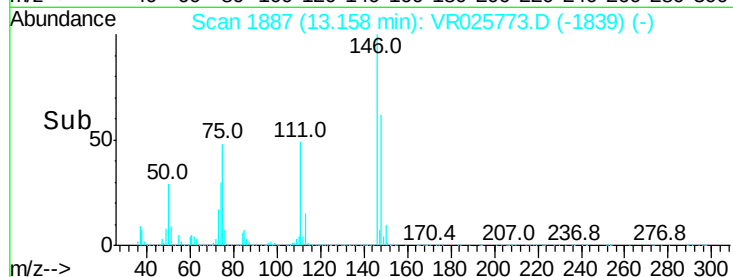
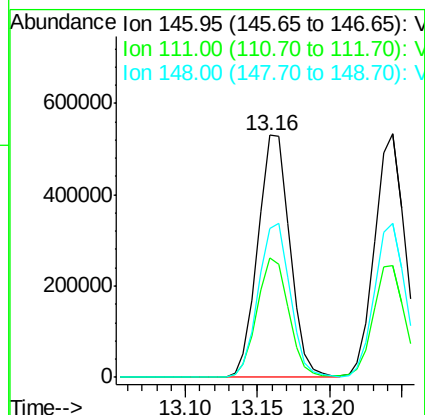
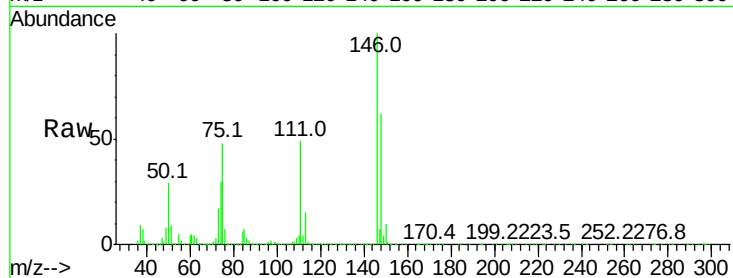
Instrument :

MSVOA_R

ClientSampleId :

VSTD01012

Tgt Ion:	146	Resp:	812617
Ion	Ratio	Lower	Upper
146	100		
111	49.3	32.1	59.5
148	61.6	44.3	82.3



#63

1,4-Dichlorobenzene

Concen: 11.601 ug/L

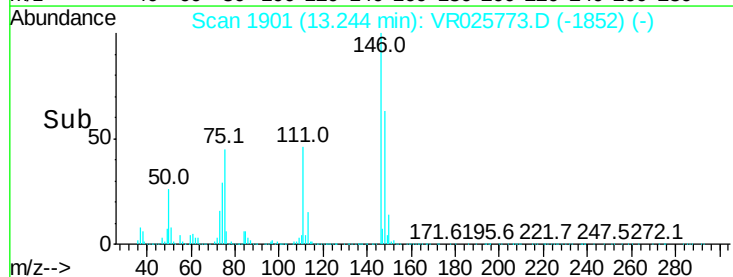
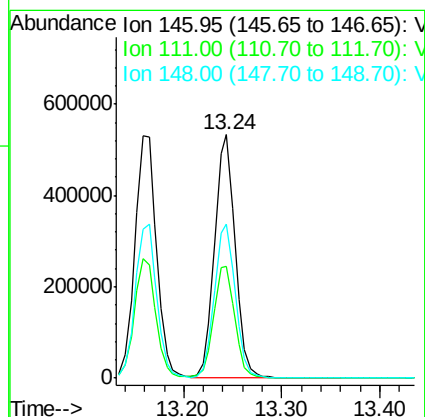
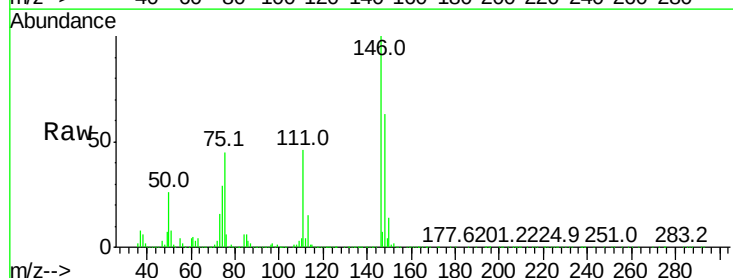
RT: 13.24 min Scan# 1901

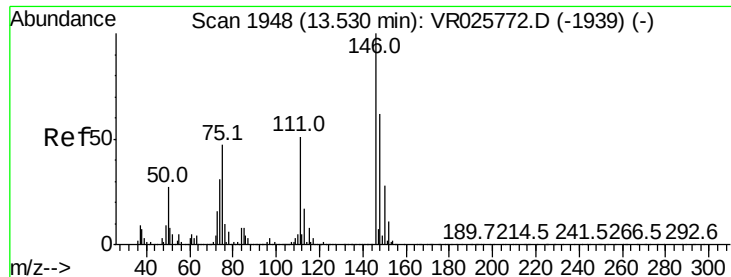
Delta R.T. -0.00 min

Lab File: VR025773.D

Acq: 20 Sep 2018 12:33

Tgt Ion:	146	Resp:	777424
Ion	Ratio	Lower	Upper
146	100		
111	45.9	32.3	60.1
148	63.3	44.6	82.8

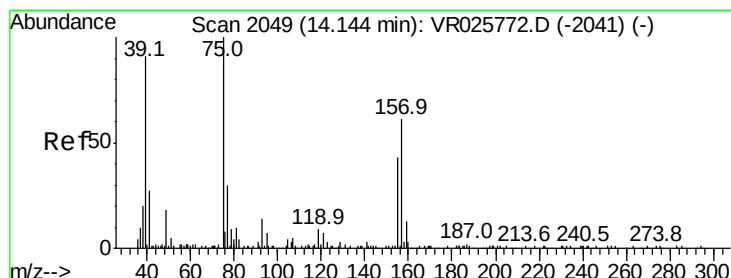
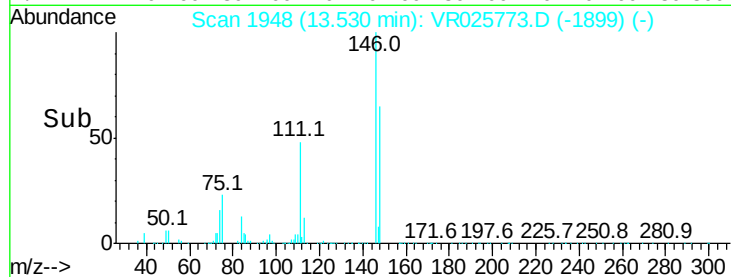
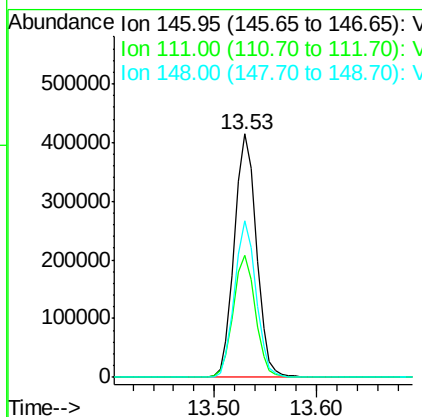
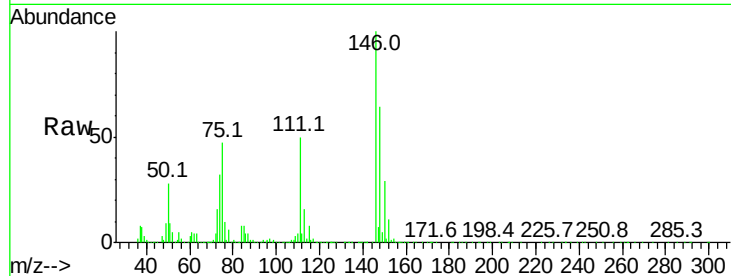




#65
 1,2-Dichlorobenzene
 Concen: 12.089 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. -0.00 min
 Lab File: VR025773.D
 Acq: 20 Sep 2018 12:33

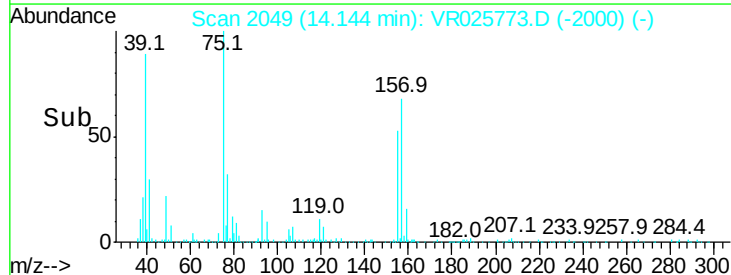
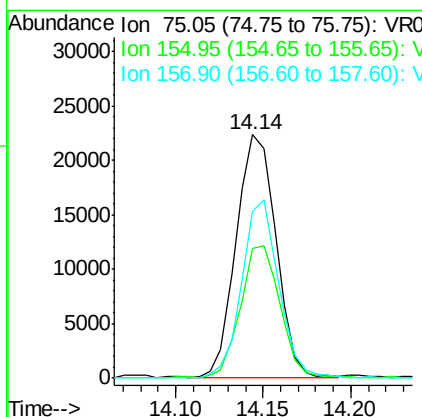
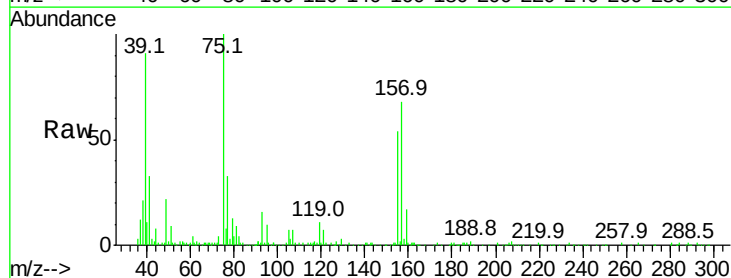
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD01012

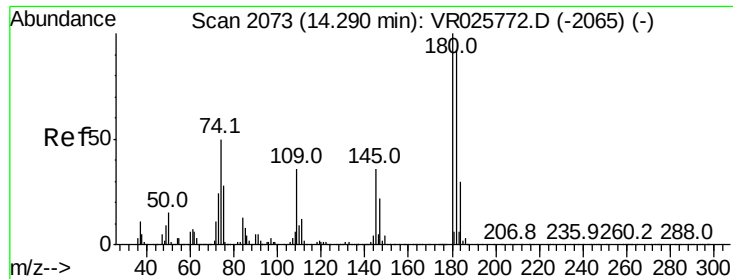
Tgt Ion	Ratio	Lower	Upper
146	100		
111	50.3	40.5	60.7
148	64.3	49.7	74.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 23.678 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VR025773.D
 Acq: 20 Sep 2018 12:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	53.5	34.1	51.1#
157	68.3	49.1	73.7

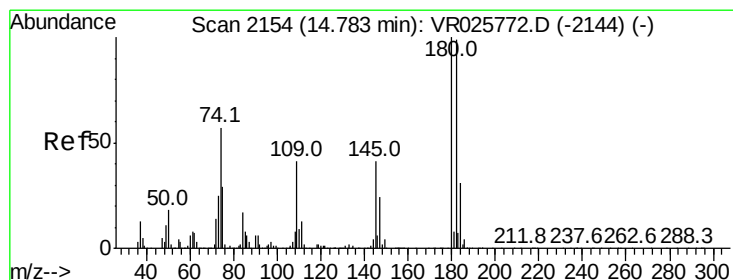
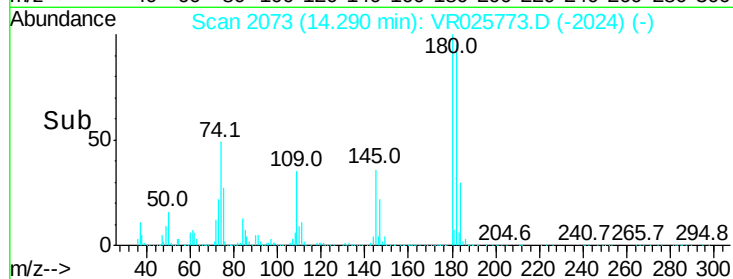
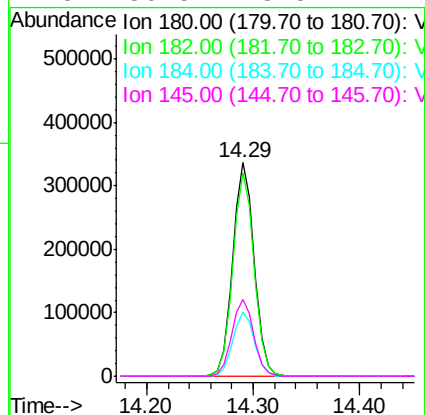
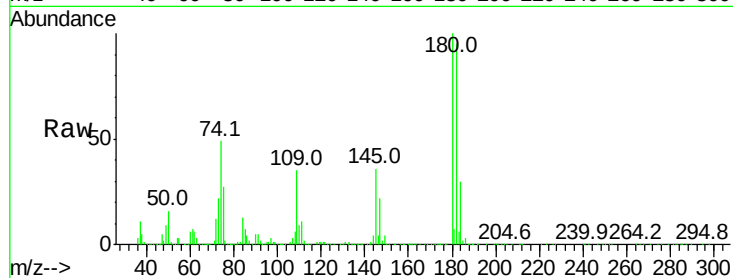




#67
 1,3,5-Trichlorobenzene
 Concen: 13.558 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VR025773.D
 Acq: 20 Sep 2018 12:33

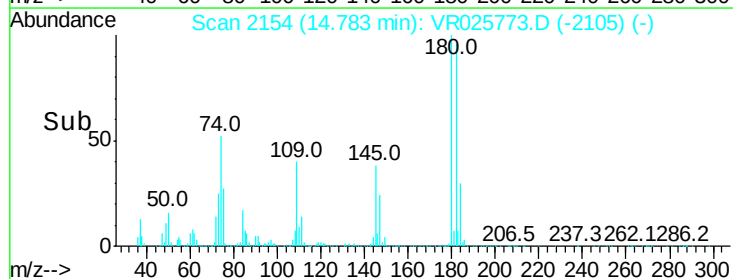
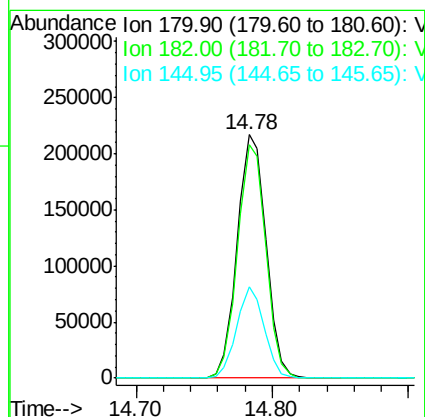
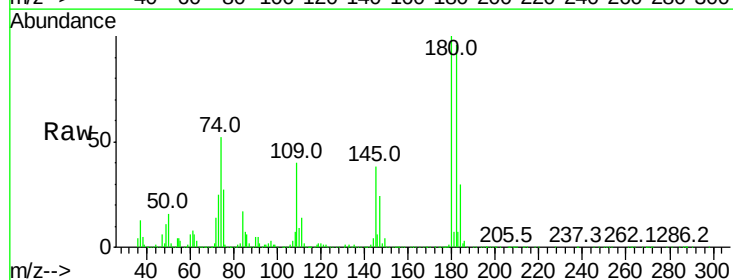
Instrument :
 MSVOA_R
 ClientSampleID :
 VSTD01012

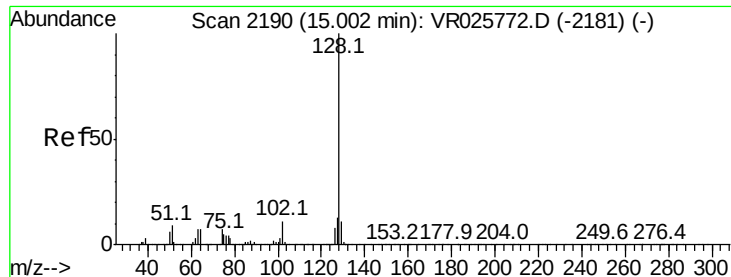
Tgt Ion:	180	Resp:	474917
Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.7	113.5
184	30.3	24.8	37.2
145	36.5	28.5	42.7



#68
 1,2,4-trichlorobenzene
 Concen: 14.836 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VR025773.D
 Acq: 20 Sep 2018 12:33

Tgt Ion:	180	Resp:	318775
Ion	Ratio	Lower	Upper
180	100		
182	94.1	76.2	114.2
145	36.1	30.2	45.2





#69

Naphthalene

Concen: 19.716 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VR025773.D

Acq: 20 Sep 2018 12:33

Instrument :

MSVOA_R

ClientSampleId :

VSTD01012

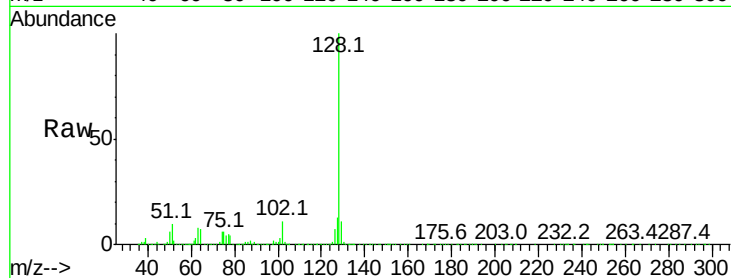
Tgt Ion:128 Resp: 473882

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

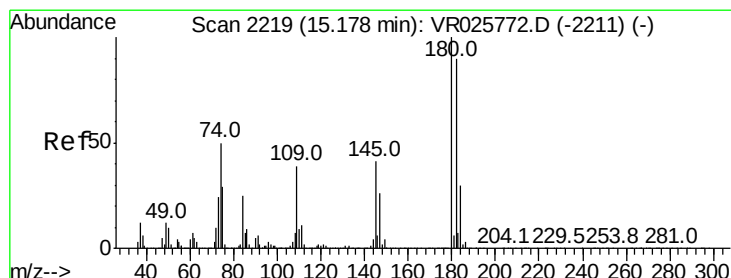
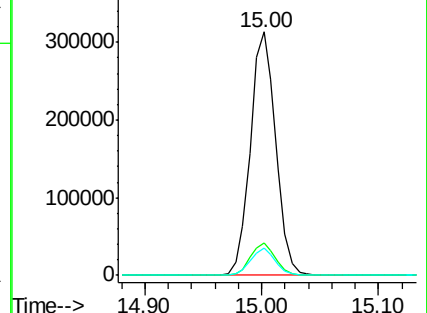
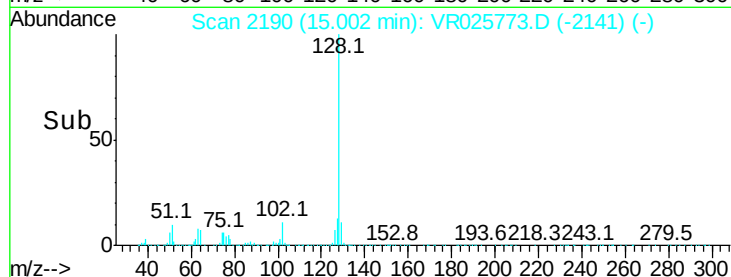
129 10.7 9.1 13.7



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: 13.181 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VR025773.D

Acq: 20 Sep 2018 12:33

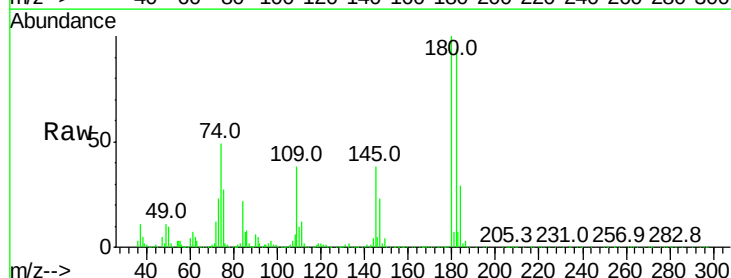
Tgt Ion:180 Resp: 224185

Ion Ratio Lower Upper

180 100

182 94.9 75.7 113.5

145 38.9 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

