

Data File : VR025799.D
Acq On : 21 Sep 2018 13:58
Operator : SY/MD
Sample : VSTD00120
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00120

Quant Time: Sep 21 15:33:34 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092118WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 21 15:32:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	489781	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	389097	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	134015	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	40041	1.91	ug/L	0.00
7) Chloroethane-d5	2.62	69	32651	1.83	ug/L	-0.01
11) 1,1-Dichloroethene-d2	3.61	63	94479	1.64	ug/L	0.00
20) 2-Butanone-d5	6.59	46	48989	13.05	ug/L	0.00
24) Chloroform-d	7.20	84	78088	1.32	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.89	65	34500	1.40	ug/L	0.00
32) Benzene-d6	7.85	84	154664	1.59	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.90	67	42375	1.44	ug/L	0.00
41) Toluene-d8	9.97	98	138128	1.73	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	10242	0.96	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	37637	11.16	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	15579	1.10	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.51	152	25133	1.41	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	54228	0.974 ug/L	100
3) Chloromethane	2.01	50	62142	1.134 ug/L	98
5) Vinyl chloride	2.16	62	58945	1.128 ug/L	96
6) Bromomethane	2.52	94	33501	1.213 ug/L	100
8) Chloroethane	2.65	64	33823	1.176 ug/L	89
9) Trichlorofluoromethane	2.94	101	26094	0.432 ug/L	# 1
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	44726	1.224 ug/L	99
12) 1,1-Dichloroethene	3.62	96	46957	1.188 ug/L	95
13) Acetone	3.69	43	33485	16.785 ug/L	96
14) Carbon disulfide	3.93	76	124121	0.953 ug/L	98
15) Methyl Acetate	4.19	43	10154	1.170 ug/L	98
16) Methylene chloride	4.40	84	43297	1.291 ug/L	97
17) Methyl tert-butyl Ether	4.89	73	76565	0.998 ug/L	96
18) trans-1,2-Dichloroethene	4.88	96	51059	1.046 ug/L	89
19) 1,1-Dichloroethane	5.69	63	106493	1.078 ug/L	98
21) 2-Butanone	6.69	43	65140	12.061 ug/L	99
22) cis-1,2-Dichloroethene	6.67	96	52590	1.082 ug/L	# 92
23) Bromochloromethane	7.05	128	13744	1.039 ug/L	77
25) Chloroform	7.23	83	94444	1.034 ug/L	96
27) 1,2-Dichloroethane	7.99	62	50587	1.104 ug/L	96
29) 1,1,1-Trichloroethane	7.43	97	81226	0.951 ug/L	99
30) Cyclohexane	7.51	56	100691	1.063 ug/L	98
31) Carbon tetrachloride	7.63	117	63599	0.862 ug/L	99
33) Benzene	7.90	78	217799	1.109 ug/L	100
34) Trichloroethene	8.71	95	58447	1.077 ug/L	98
35) Methylcyclohexane	8.96	83	97042	1.089 ug/L	99
37) 1,2-Dichloropropane	8.99	63	48397	1.131 ug/L	# 98
38) Bromodichloromethane	9.28	83	48772	0.915 ug/L	# 93
39) cis-1,3-Dichloropropene	9.72	75	54530	0.922 ug/L	98
40) 4-Methyl-2-pentanone	9.87	43	165050	10.911 ug/L	100

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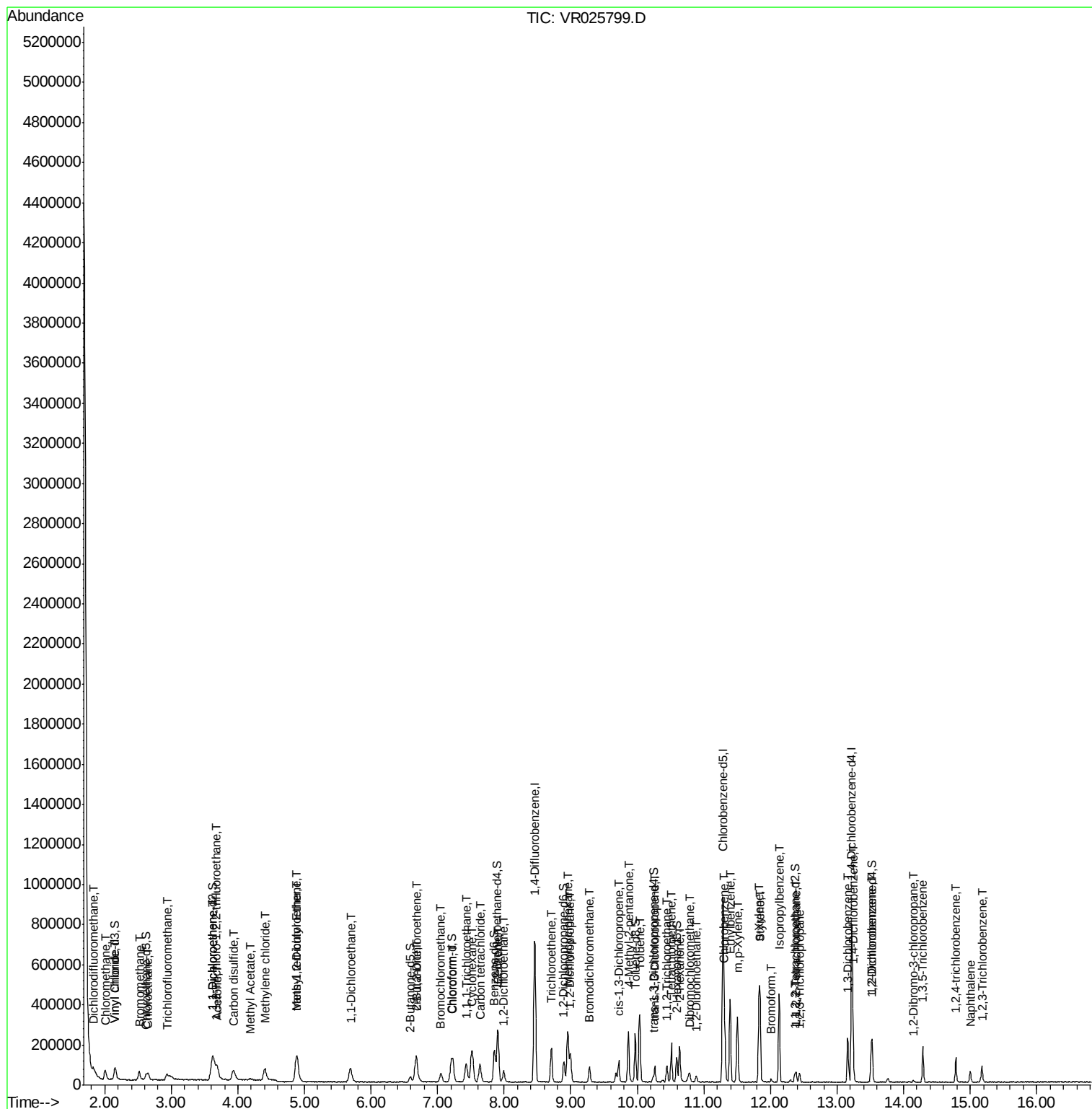
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.04	91	219072	1.100	ug/L	97
44) trans-1,3-Dichloropropene	10.26	75	35489	0.816	ug/L	95
45) 1,1,2-Trichloroethane	10.45	97	19799	1.066	ug/L	97
47) Tetrachloroethene	10.51	164	32198	1.001	ug/L	94
48) 2-Hexanone	10.63	43	115474	11.468	ug/L	95
49) Dibromochloromethane	10.79	129	18553	0.800	ug/L	99
50) 1,2-Dibromoethane	10.88	107	17707	1.046	ug/L #	92
51) Chlorobenzene	11.32	112	114057	1.048	ug/L	97
52) Ethylbenzene	11.39	91	253391	1.087	ug/L	100
53) m,p-Xylene	11.50	106	87390	1.015	ug/L	99
54) o-Xylene	11.83	106	79631	1.002	ug/L	100
55) Styrene	11.84	104	126067	1.025	ug/L	96
56) Isopropylbenzene	12.13	105	233405	1.060	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	20430	1.055	ug/L	90
59) 1,2,3-Trichloropropane	12.43	75	16014	1.036	ug/L	93
61) Bromoform	12.00	173	4864	0.583	ug/L #	89
62) 1,3-Dichlorobenzene	13.16	146	66106	1.058	ug/L	95
63) 1,4-Dichlorobenzene	13.24	146	63077	1.072	ug/L	99
65) 1,2-Dichlorobenzene	13.53	146	49417	1.061	ug/L	92
66) 1,2-Dibromo-3-chloropropan	14.15	75	2399	0.887	ug/L #	66
67) 1,3,5-Trichlorobenzene	14.29	180	36559	1.028	ug/L	95
68) 1,2,4-trichlorobenzene	14.78	180	23098	0.992	ug/L	99
69) Naphthalene	15.00	128	33974	0.975	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	16758	1.005	ug/L	96

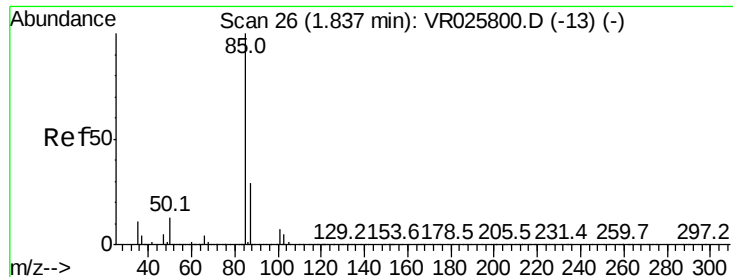
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.974 ug/L

RT: 1.84 min Scan# 26

Delta R.T. 0.00 min

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Acq: 21 Sep 2018 13:58

Instrument :

MSVOA_R

ClientSampleId :

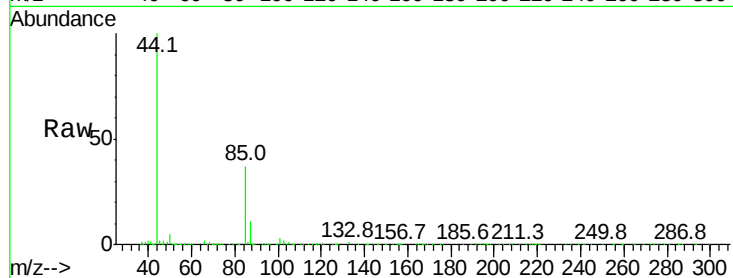
VSTD00120

Tgt Ion: 85 Resp: 54228

Ion Ratio Lower Upper

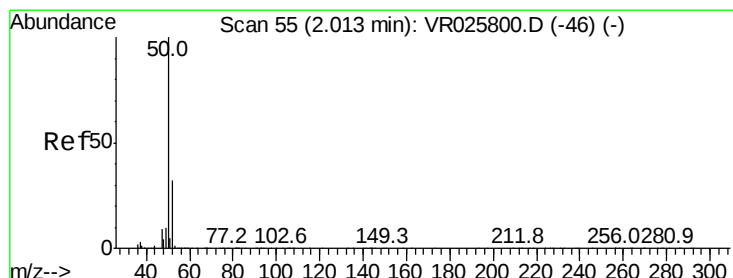
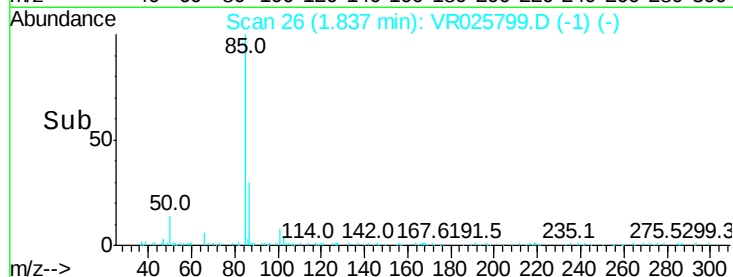
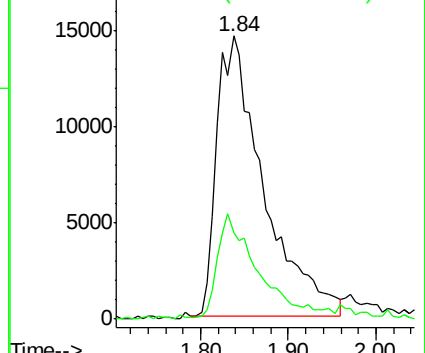
85 100

87 31.6 25.1 37.7



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0



#3

Chloromethane

Concen: 1.134 ug/L

RT: 2.01 min Scan# 54

Delta R.T. -0.01 min

Lab File: VR025799.D

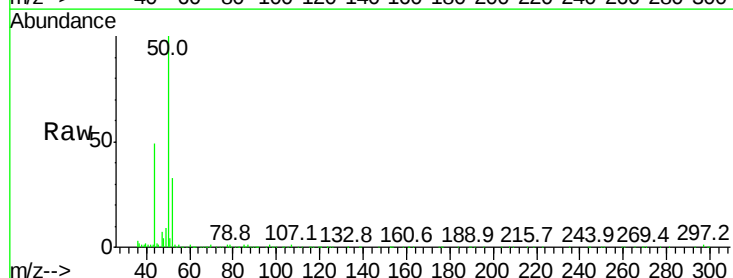
Acq: 21 Sep 2018 13:58

Tgt Ion: 50 Resp: 62142

Ion Ratio Lower Upper

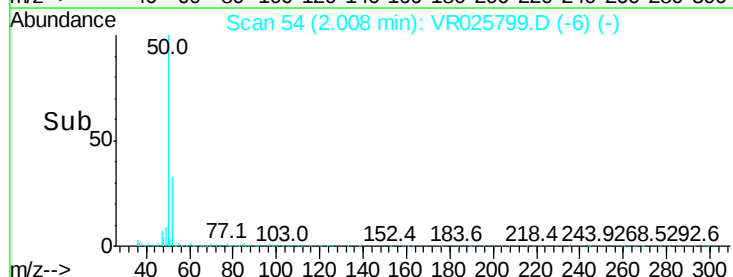
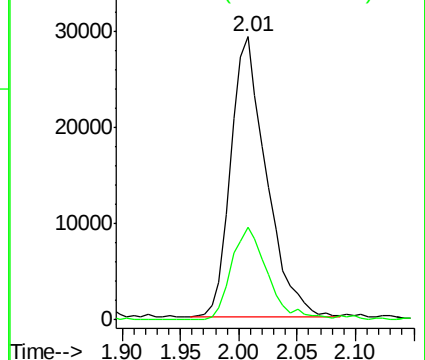
50 100

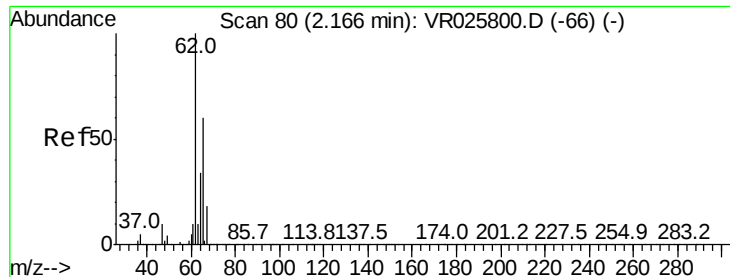
52 32.6 22.1 41.1



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 1.128 ug/L

RT: 2.16 min Scan# 79

Delta R.T. -0.01 min

Lab File: VR025799.D

Acq: 21 Sep 2018 13:58

Instrument :

MSVOA_R

ClientSampleId :

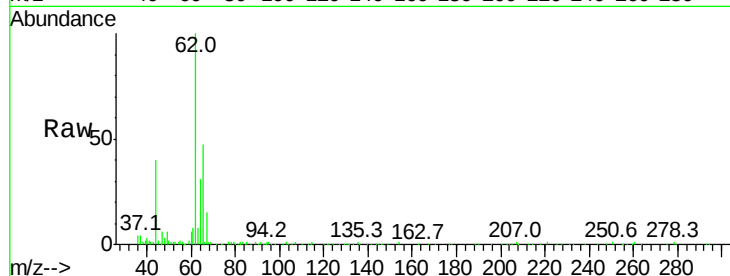
VSTD00120

Tgt Ion: 62 Resp: 58945

Ion Ratio Lower Upper

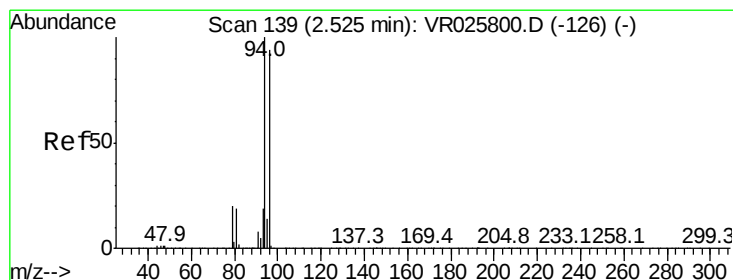
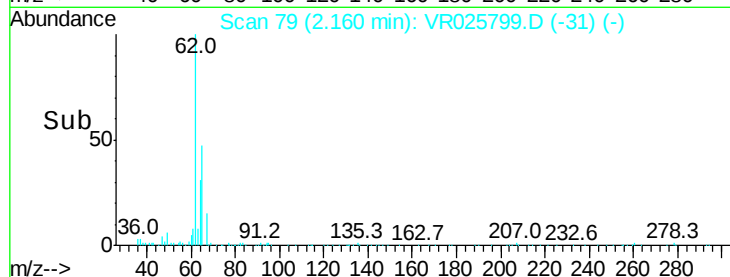
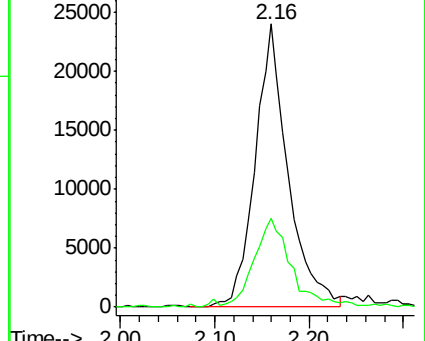
62 100

64 31.5 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 64.10 (63.80 to 64.80): VR0



#6

Bromomethane

Concen: 1.213 ug/L

RT: 2.52 min Scan# 138

Delta R.T. -0.01 min

Lab File: VR025799.D

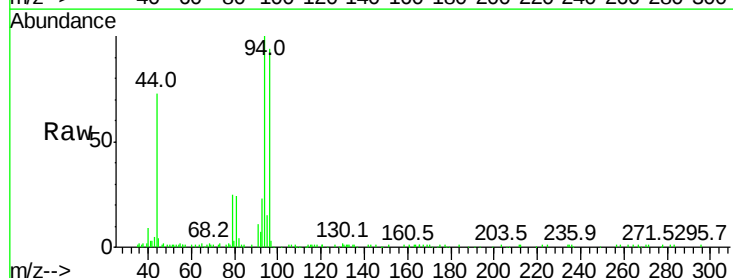
Acq: 21 Sep 2018 13:58

Tgt Ion: 94 Resp: 33501

Ion Ratio Lower Upper

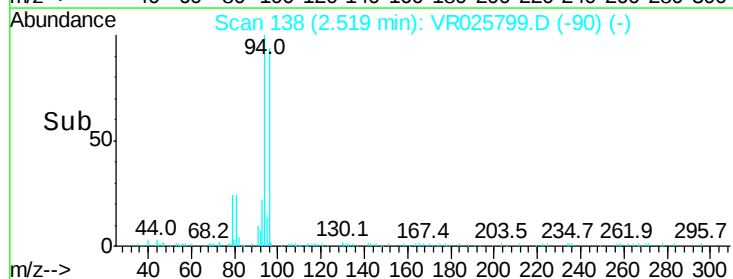
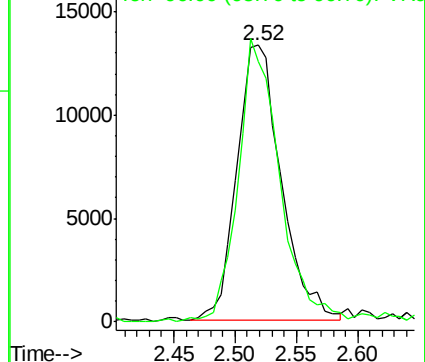
94 100

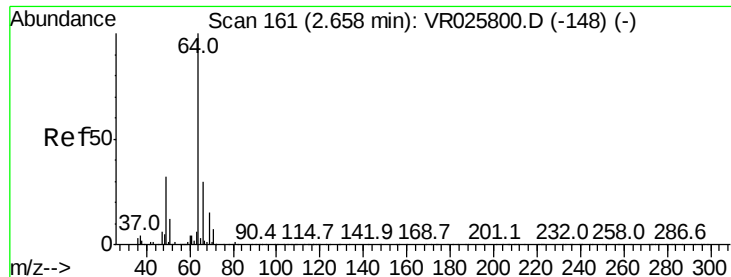
96 94.2 66.1 122.8



Abundance Ion 94.00 (93.70 to 94.70): VR0

Ion 96.00 (95.70 to 96.70): VR0





#8

Chloroethane

Concen: 1.176 ug/L

RT: 2.65 min Scan# 160

Delta R.T. -0.01 min

Lab File: VR025799.D

Acq: 21 Sep 2018 13:58

Instrument :

MSVOA_R

ClientSampleId :

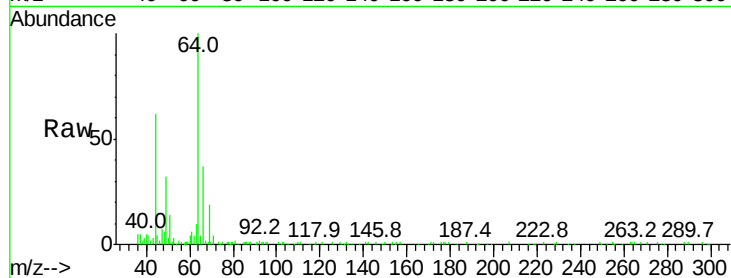
VSTD00120

Tgt Ion: 64 Resp: 33823

Ion Ratio Lower Upper

64 100

66 36.6 21.3 39.5



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0

2.65

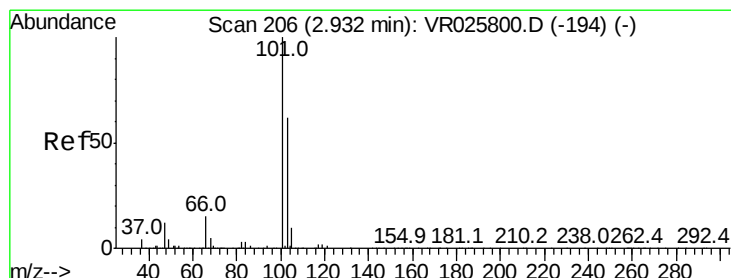
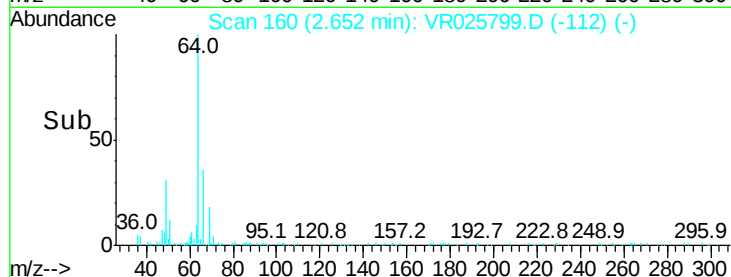
15000

10000

5000

0

Time--> 2.50 2.60 2.70 2.80



#9

Trichlorofluoromethane

Concen: 0.432 ug/L

RT: 2.94 min Scan# 207

Delta R.T. 0.01 min

Lab File: VR025799.D

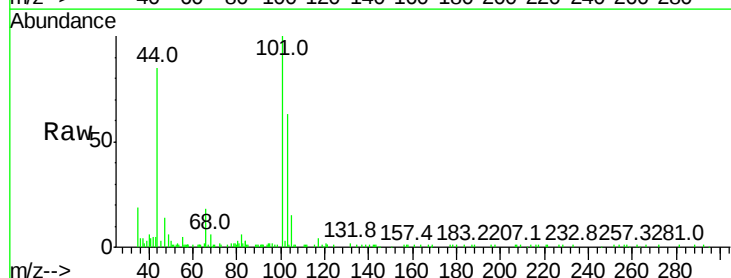
Acq: 21 Sep 2018 13:58

Tgt Ion: 101 Resp: 26094

Ion Ratio Lower Upper

101 100

103 82.7 22.1 33.1#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

2.94

12000

10000

8000

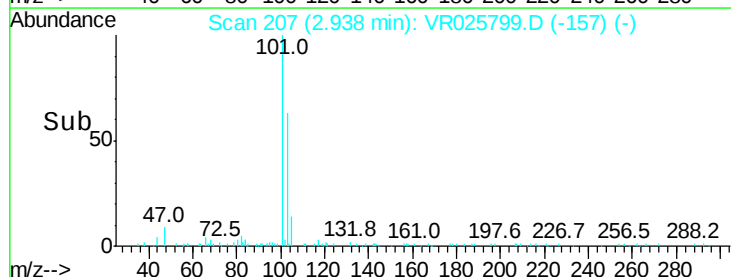
6000

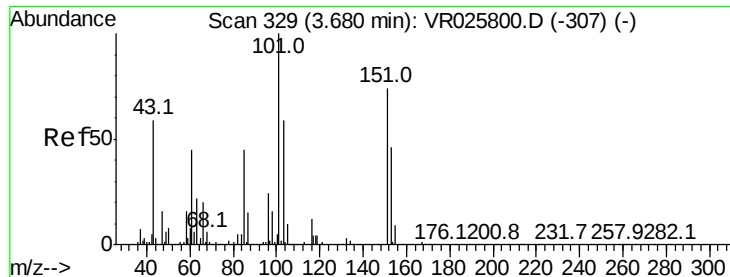
4000

2000

0

Time--> 2.85 2.90 2.95





#10

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

Concen: 1.224 ug/L

RT: 3.68 min Scan# 329

Delta R.T. 0.00 min

Lab File: VR025799.D

Acq: 21 Sep 2018 13:58

Instrument :

MSVOA_R

ClientSampleId :

VSTD00120

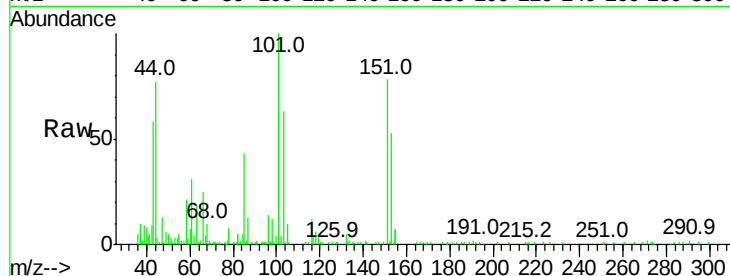
Tgt Ion:101 Resp: 44726

Ion Ratio Lower Upper

101 100

85 48.2 38.2 57.4

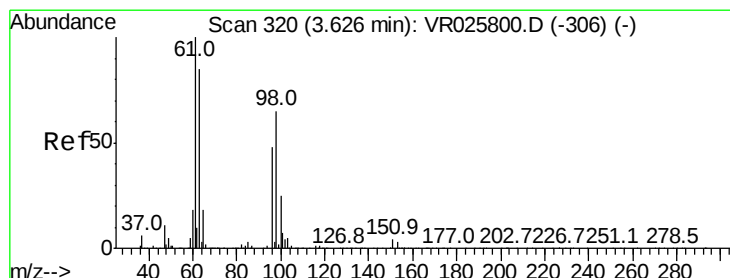
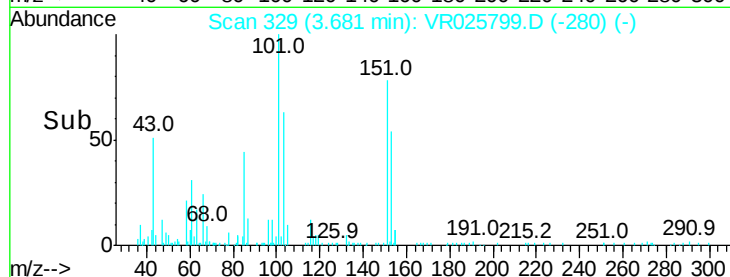
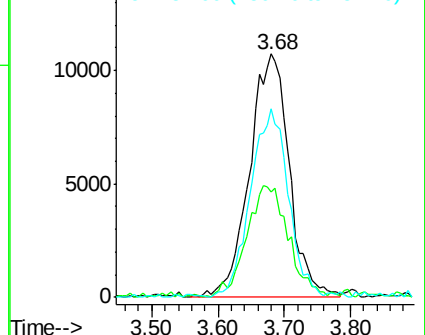
151 73.6 58.4 87.6



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: 1.188 ug/L

RT: 3.62 min Scan# 319

Delta R.T. -0.01 min

Lab File: VR025799.D

Acq: 21 Sep 2018 13:58

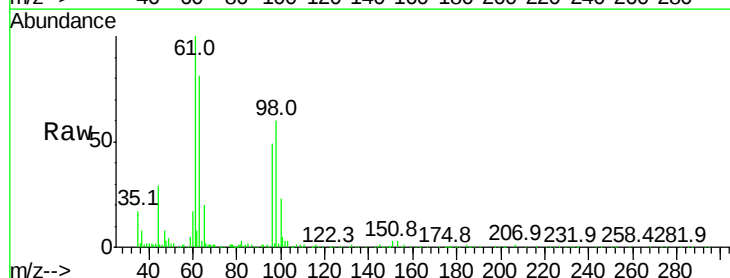
Tgt Ion: 96 Resp: 46957

Ion Ratio Lower Upper

96 100

61 203.2 145.0 269.4

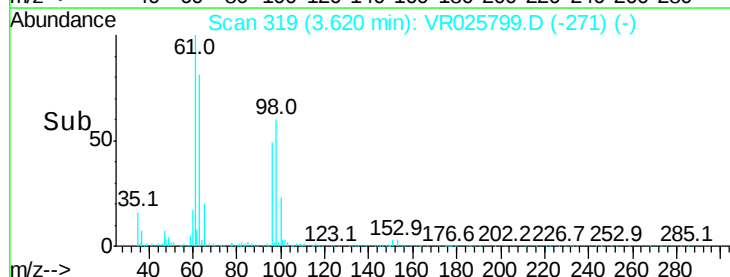
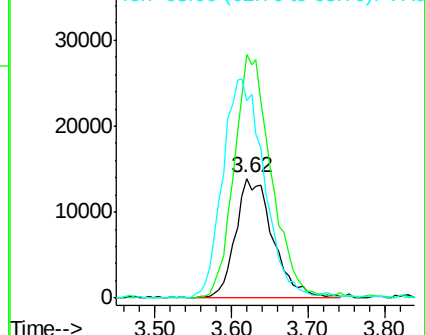
63 165.2 123.8 230.0

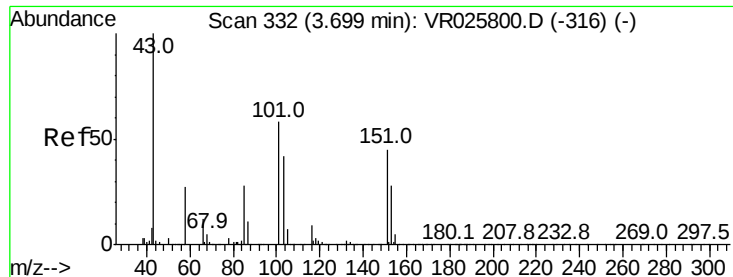


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 16.785 ug/L

RT: 3.69 min Scan# 331

Delta R.T. -0.01 min

Lab File: VR025799.D

Acq: 21 Sep 2018 13:58

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ClientSampled :

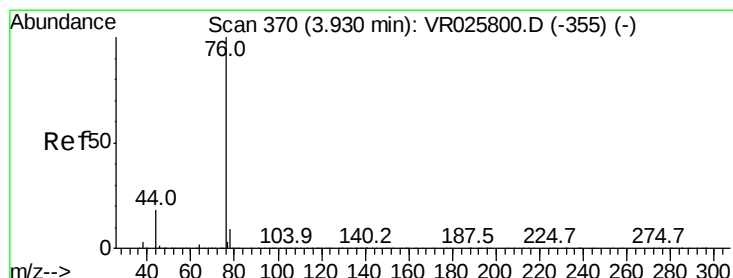
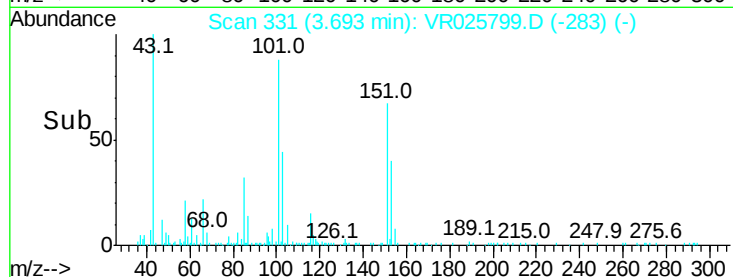
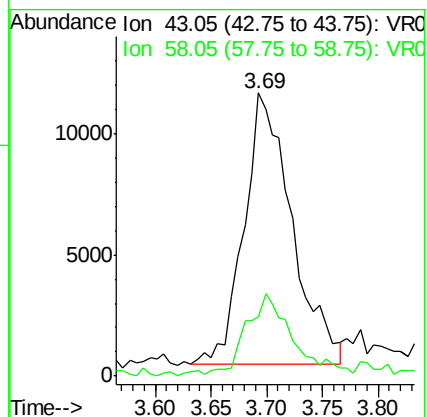
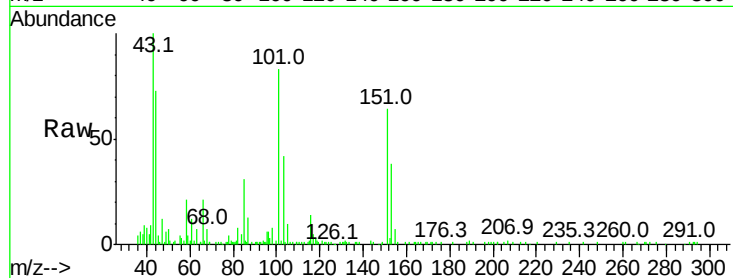
VSTD00120

Tgt Ion: 43 Resp: 33485

Ion Ratio Lower Upper

43 100

58 27.7 0.0 51.4



#14

Carbon disulfide

Concen: 0.953 ug/L

RT: 3.93 min Scan# 370

Delta R.T. 0.00 min

Lab File: VR025799.D

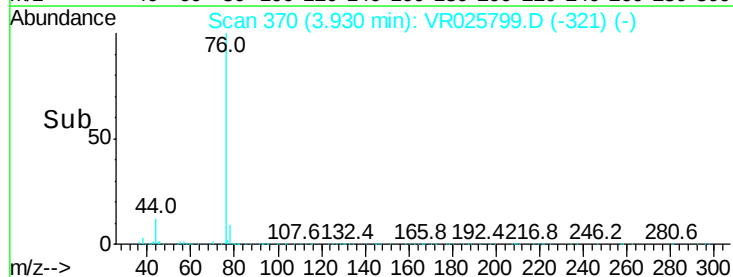
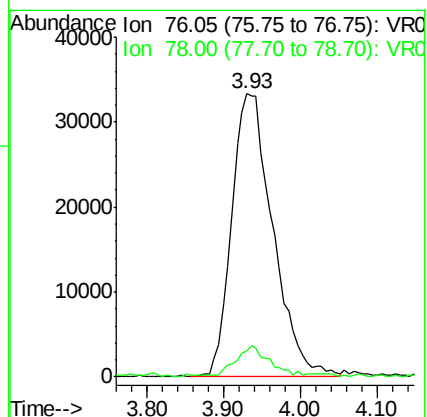
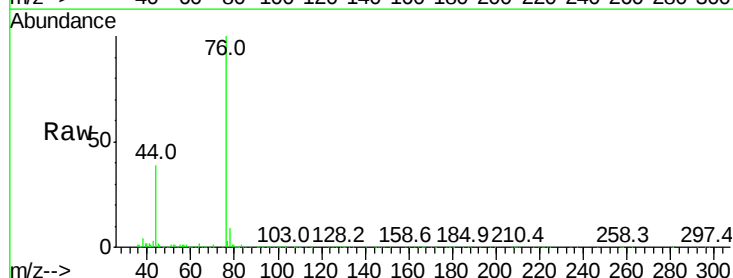
Acq: 21 Sep 2018 13:58

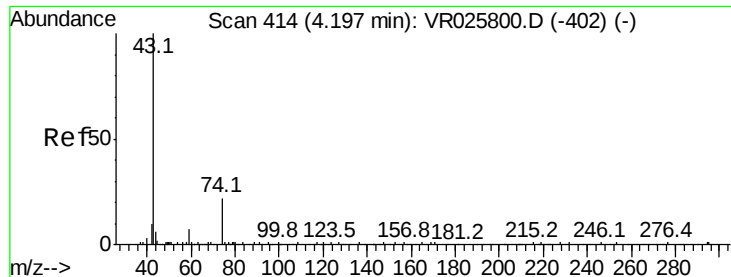
Tgt Ion: 76 Resp: 124121

Ion Ratio Lower Upper

76 100

78 9.4 7.0 10.6





#15

Methyl Acetate

Concen: 1.170 ug/L

RT: 4.19 min Scan# 413

Delta R.T. -0.01 min

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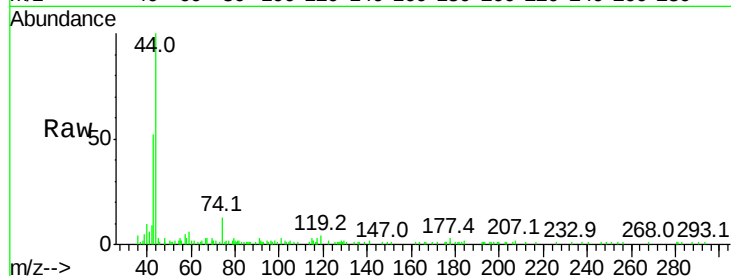
VSTD00120

Tgt Ion: 43 Resp: 10154

Ion Ratio Lower Upper

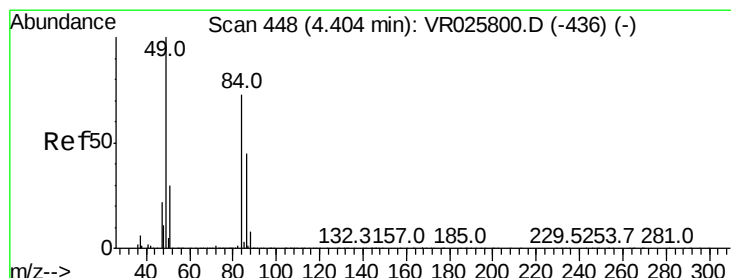
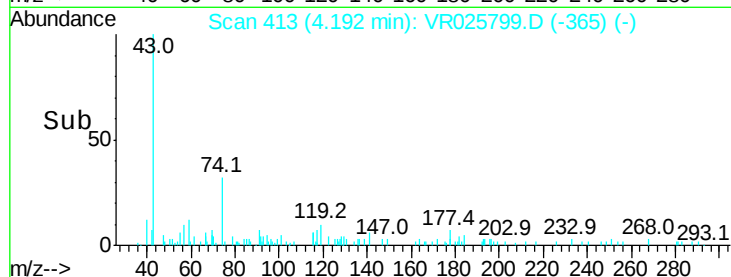
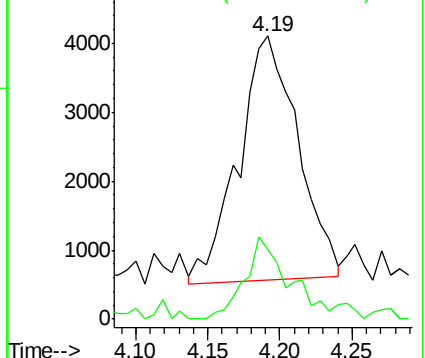
43 100

74 24.7 19.0 28.4



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 74.05 (73.75 to 74.75): VR0



#16

Methylene chloride

Concen: 1.291 ug/L

RT: 4.40 min Scan# 448

Delta R.T. 0.00 min

Lab File: VR025799.D

Acq: 21 Sep 2018 13:58

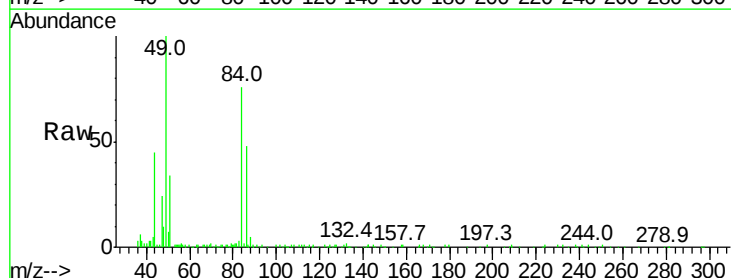
Tgt Ion: 84 Resp: 43297

Ion Ratio Lower Upper

84 100

86 62.7 43.1 80.1

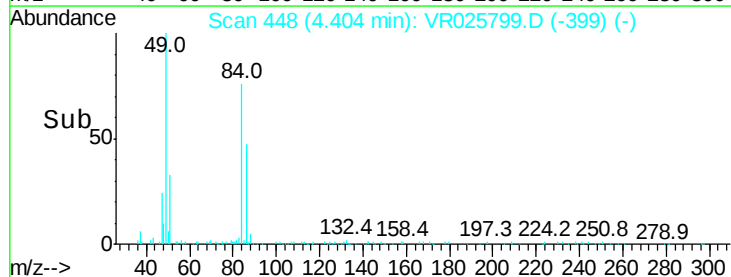
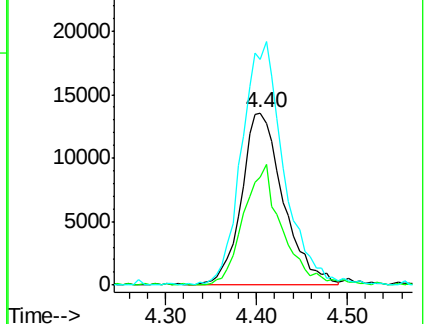
49 131.4 95.5 177.3

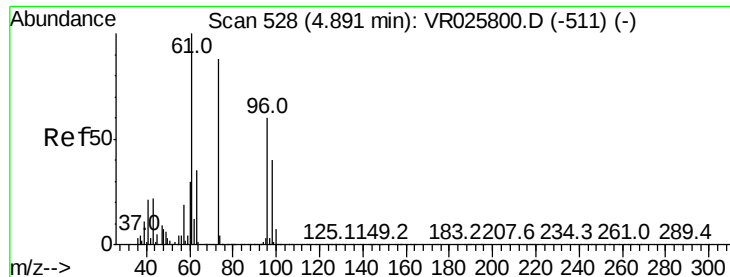


Abundance Ion 84.05 (83.75 to 84.75): VR0

Ion 86.00 (85.70 to 86.70): VR0

Ion 49.10 (48.80 to 49.80): VR0



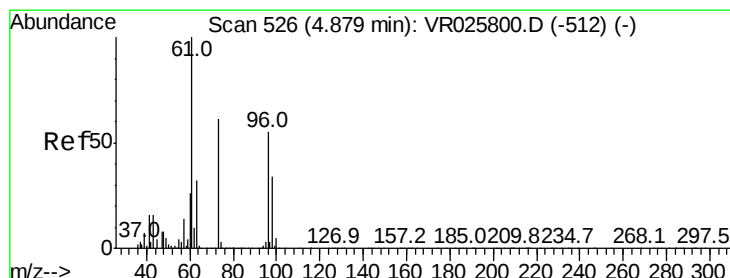
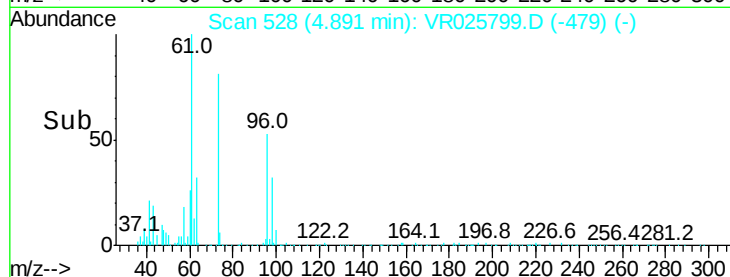
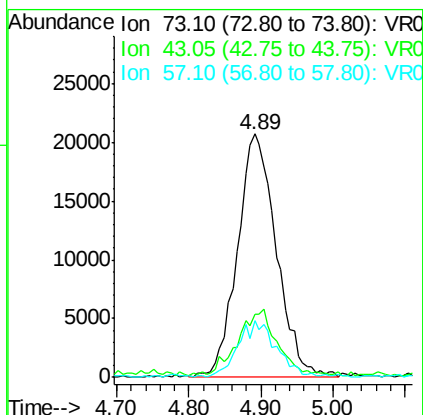
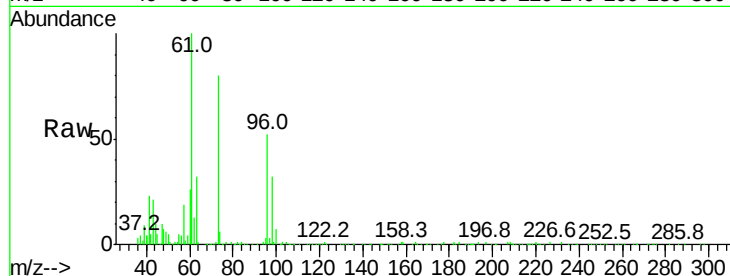


#17

Methyl tert-butyl Ether
 Concen: 0.998 ug/L
 RT: 4.89 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VR025799.D
 Acq: 21 Sep 2018 13:58

Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00120

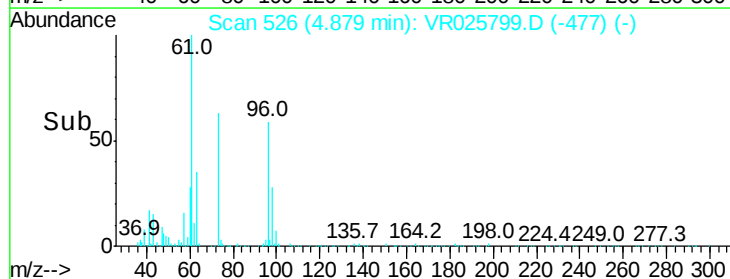
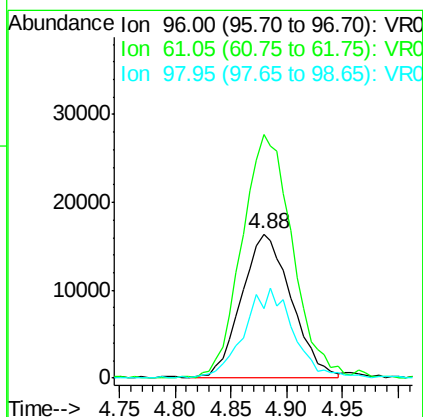
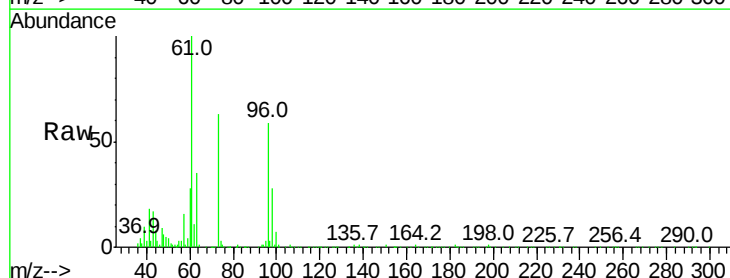
Tgt Ion:	73	Resp:	76565
Ion	Ratio	Lower	Upper
73	100		
43	28.0	19.8	29.8
57	22.0	17.9	26.9

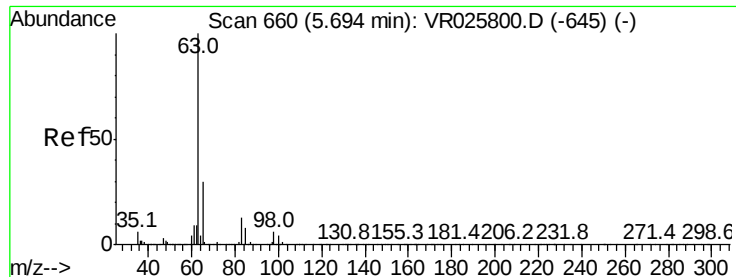


#18

trans-1,2-Dichloroethene
 Concen: 1.046 ug/L
 RT: 4.88 min Scan# 526
 Delta R.T. 0.00 min
 Lab File: VR025799.D
 Acq: 21 Sep 2018 13:58

Tgt Ion:	96	Resp:	51059
Ion	Ratio	Lower	Upper
96	100		
61	169.4	127.4	236.6
98	48.0	43.8	81.3

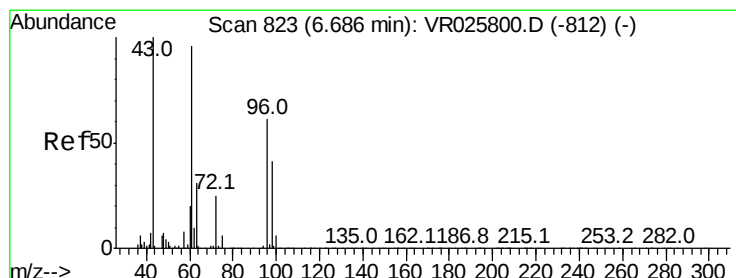
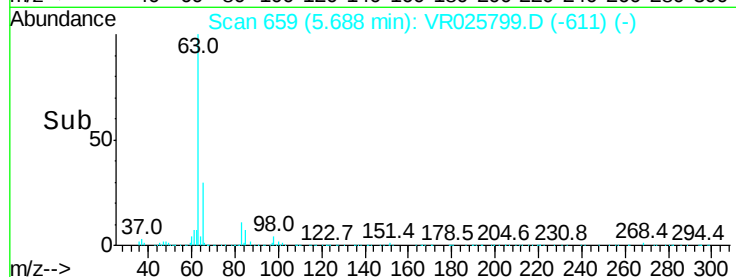
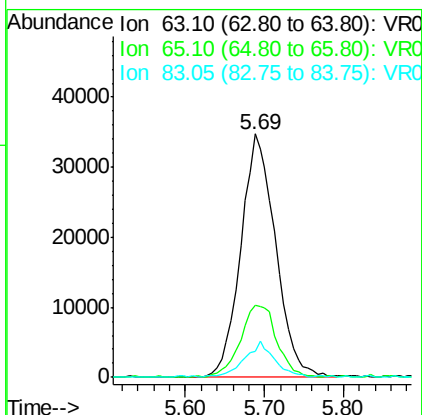
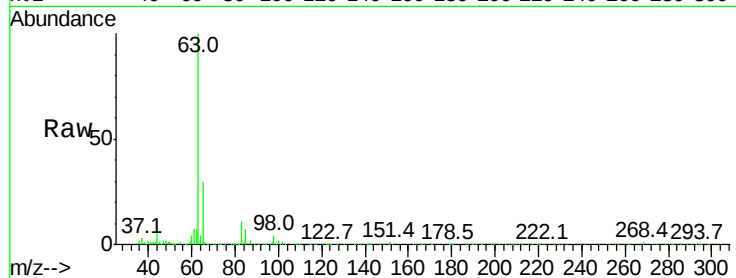




#19
 1,1-Dichloroethane
 Concen: 1.078 ug/L
 RT: 5.69 min Scan# 659
 Delta R.T. -0.01 min
 Lab File: VR025799.D
 Acq: 21 Sep 2018 13:58

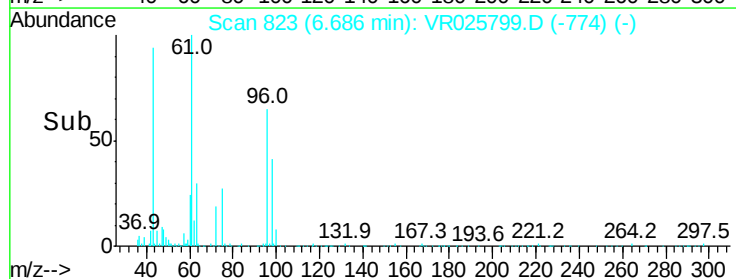
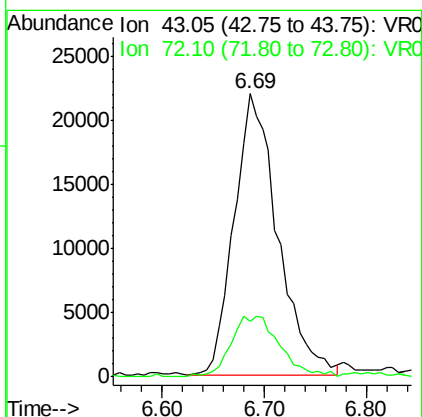
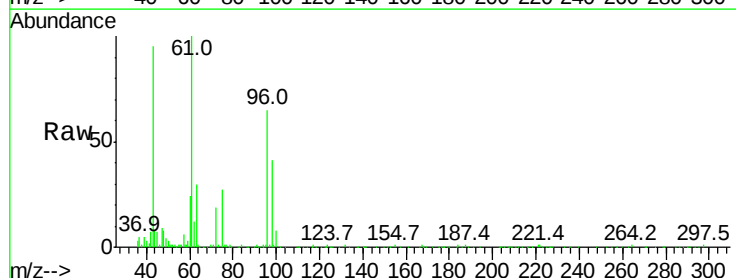
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00120

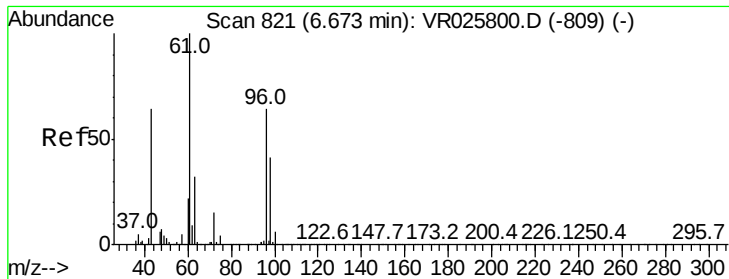
Tgt Ion:	63	Resp:	106493
Ion	Ratio	Lower	Upper
63	100		
65	29.6	21.1	39.1
83	10.9	8.9	16.5



#21
 2-Butanone
 Concen: 12.061 ug/L
 RT: 6.69 min Scan# 823
 Delta R.T. 0.00 min
 Lab File: VR025799.D
 Acq: 21 Sep 2018 13:58

Tgt Ion:	43	Resp:	65140
Ion	Ratio	Lower	Upper
43	100		
72	24.2	11.9	35.7



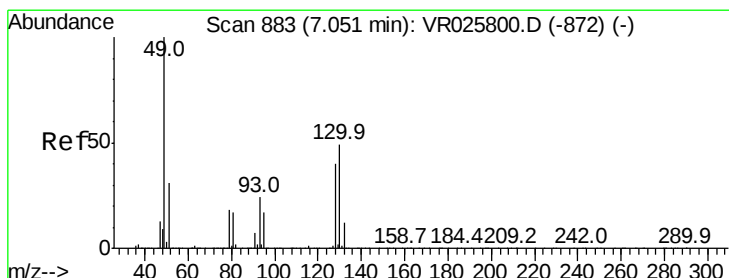
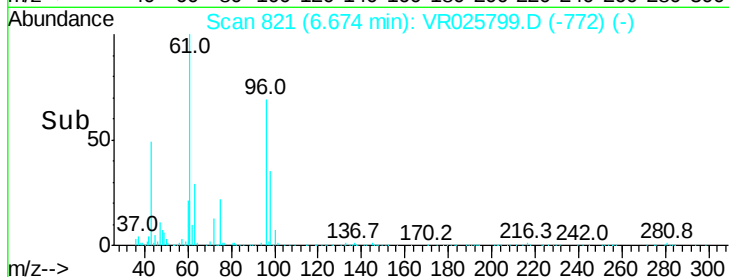
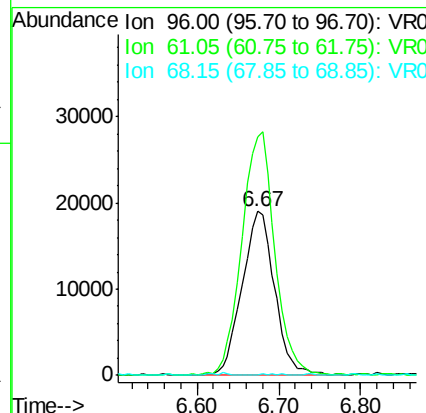
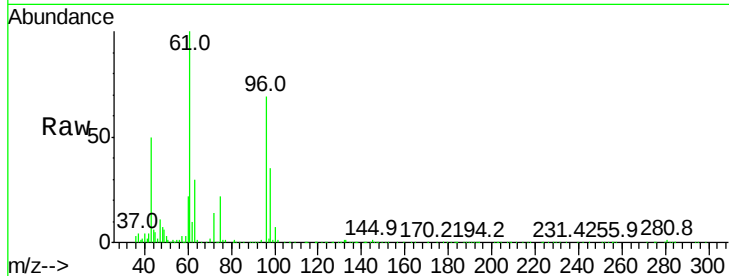


#22

cis-1,2-Dichloroethene
Concen: 1.082 ug/L
RT: 6.67 min Scan# 821
Delta R.T. 0.00 min
Lab File: VR025799.D
Acq: 21 Sep 2018 13:58

Instrument :
MSVOA_R
ClientSampleId :
VSTD00120

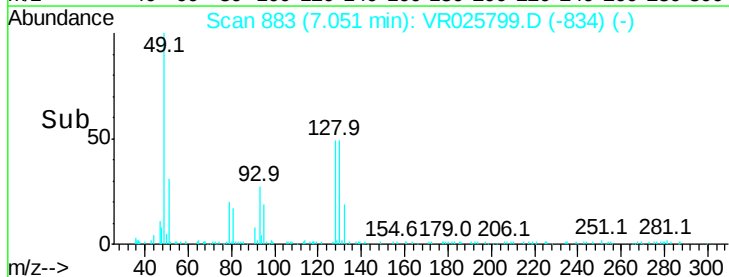
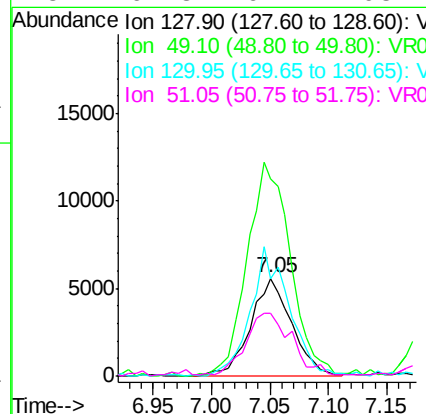
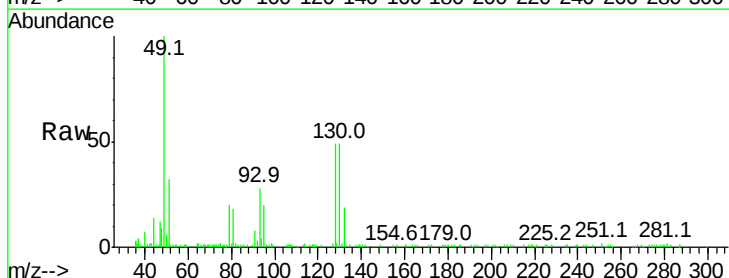
Tgt Ion: 96 Resp: 52590
Ion Ratio Lower Upper
96 100
61 145.4 108.7 201.9
68 0.6 0.1 0.1#

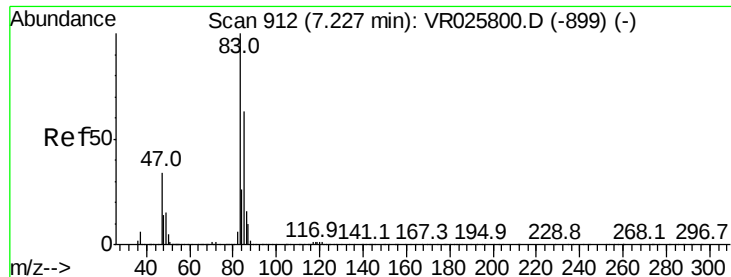


#23

Bromochloromethane
Concen: 1.039 ug/L
RT: 7.05 min Scan# 883
Delta R.T. 0.00 min
Lab File: VR025799.D
Acq: 21 Sep 2018 13:58

Tgt Ion: 128 Resp: 13744
Ion Ratio Lower Upper
128 100
49 202.2 175.0 325.0
130 100.0 85.6 159.0
51 64.3 62.2 93.2





#25

Chloroform

Concen: 1.034 ug/L

RT: 7.23 min Scan# 913

Delta R.T. 0.01 min

Lab File: VR025799.D

Acq: 21 Sep 2018 13:58

Instrument :

MSVOA_R

ClientSampleId :

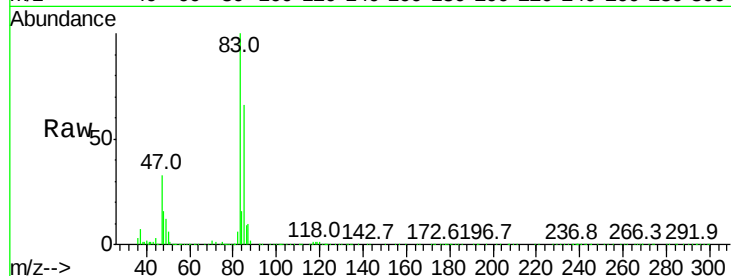
VSTD00120

Tgt Ion: 83 Resp: 94444

Ion Ratio Lower Upper

83 100

85 66.1 43.8 81.4



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0

7.23

40000

30000

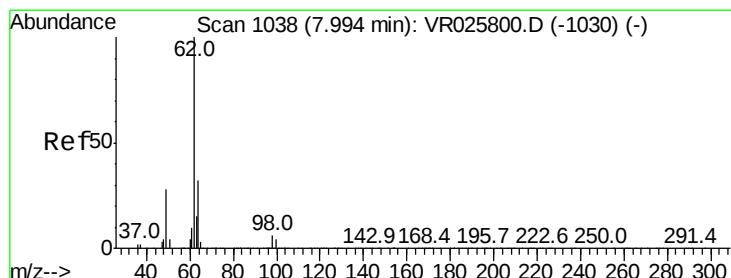
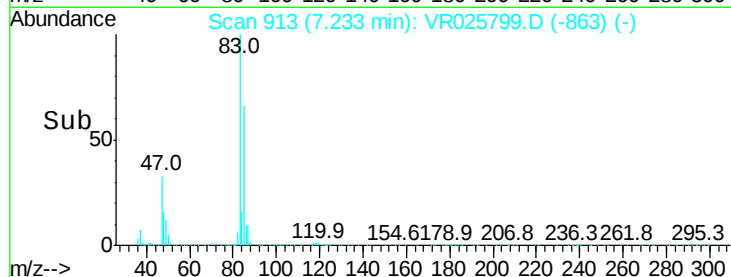
20000

10000

0

Time-->

7.10 7.20 7.30 7.40



#27

1,2-Dichloroethane

Concen: 1.104 ug/L

RT: 7.99 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VR025799.D

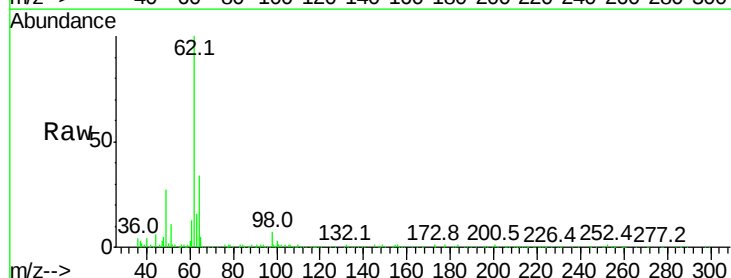
Acq: 21 Sep 2018 13:58

Tgt Ion: 62 Resp: 50587

Ion Ratio Lower Upper

62 100

98 7.7 5.2 7.8



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 98.05 (97.75 to 98.75): VR0

7.99

25000

20000

15000

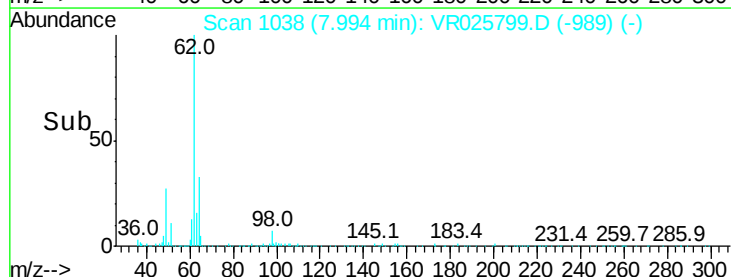
10000

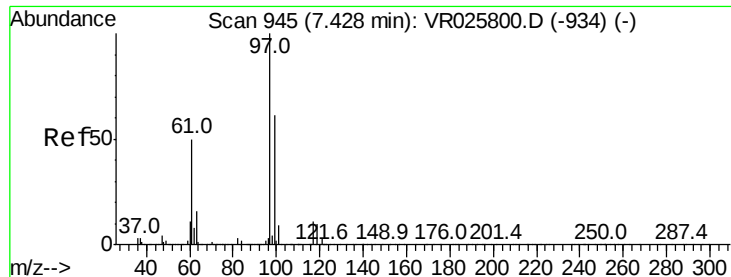
5000

0

Time-->

7.90 7.95 8.00 8.05





#29

1,1,1-Trichloroethane

Concen: 0.951 ug/L

RT: 7.43 min Scan# 945

Delta R.T. 0.00 min

Lab File: VR025799.D

Acq: 21 Sep 2018 13:58

Instrument :

MSVOA_R

ClientSampleId :

VSTD00120

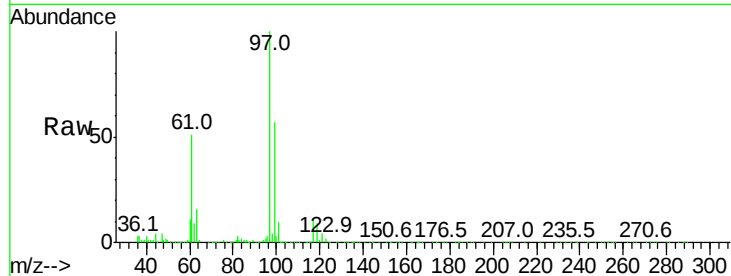
Tgt Ion: 97 Resp: 81226

Ion Ratio Lower Upper

97 100

99 63.6 51.0 76.6

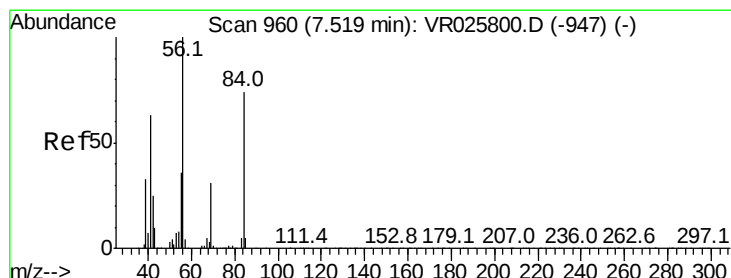
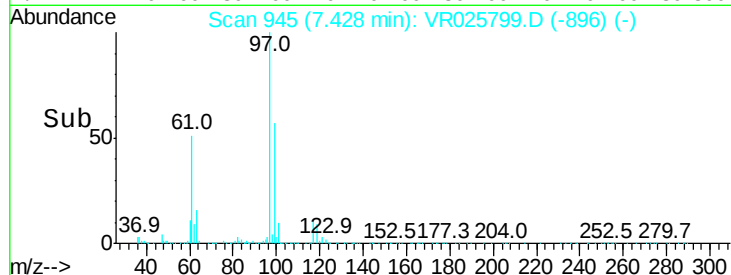
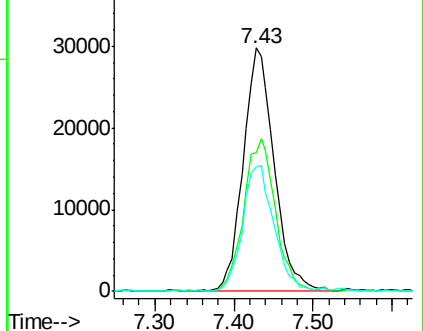
61 51.2 41.6 62.4



Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 61.05 (60.75 to 61.75): VR0



#30

Cyclohexane

Concen: 1.063 ug/L

RT: 7.51 min Scan# 959

Delta R.T. -0.01 min

Lab File: VR025799.D

Acq: 21 Sep 2018 13:58

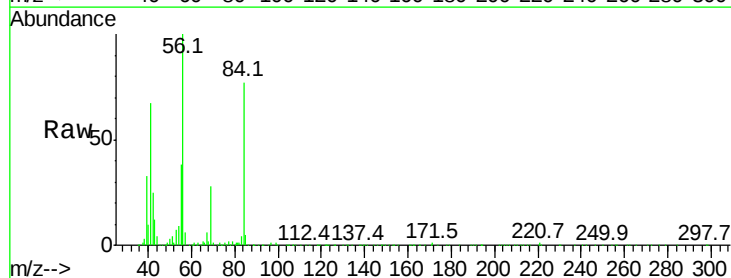
Tgt Ion: 56 Resp: 100691

Ion Ratio Lower Upper

56 100

69 29.9 24.8 37.2

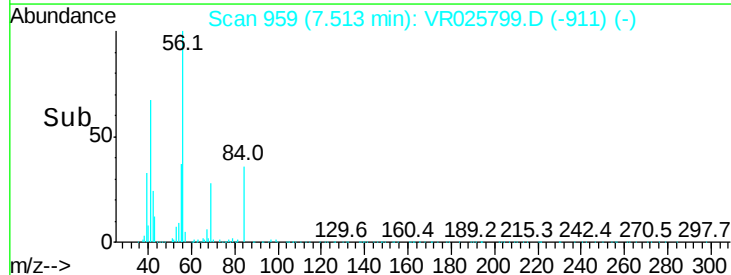
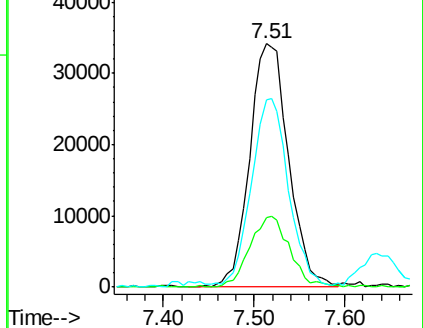
84 73.0 59.8 89.8

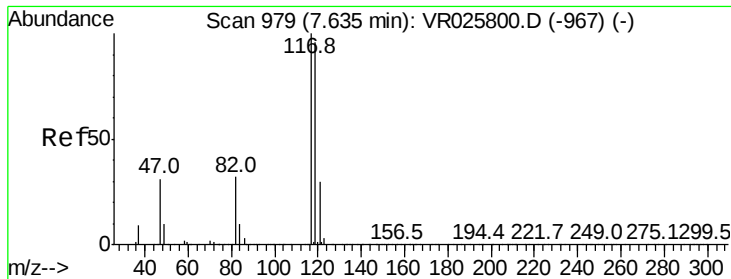


Abundance Ion 56.10 (55.80 to 56.80): VR0

Ion 69.15 (68.85 to 69.85): VR0

Ion 84.15 (83.85 to 84.85): VR0



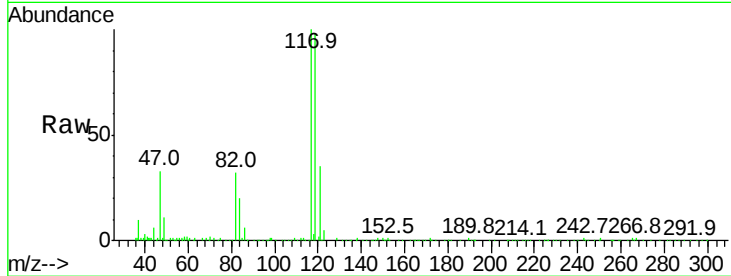


#31

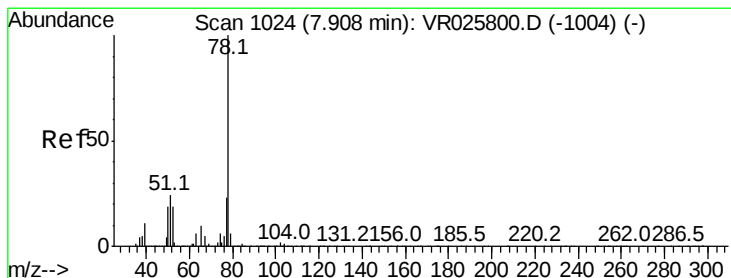
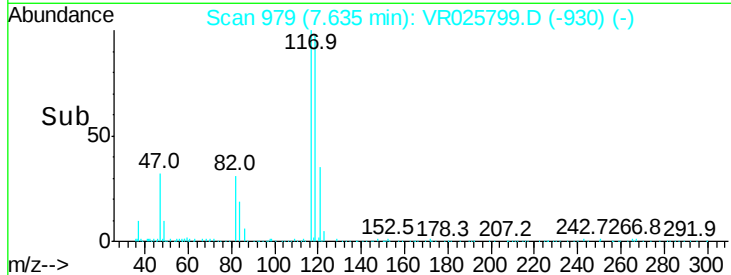
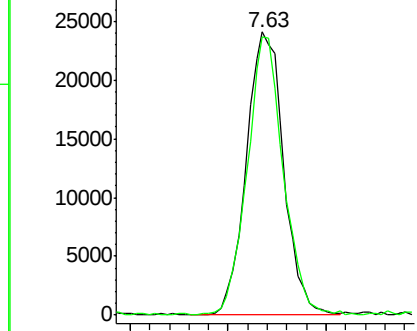
Carbon tetrachloride
Concen: 0.862 ug/L
RT: 7.63 min Scan# 979
Delta R.T. 0.00 min
Lab File: VR025799.D
Acq: 21 Sep 2018 13:58

Instrument :
MSVOA_R
ClientSampled :
VSTD00120

Tgt Ion: 117 Resp: 63599
Ion Ratio Lower Upper
117 100
119 95.5 75.6 113.4



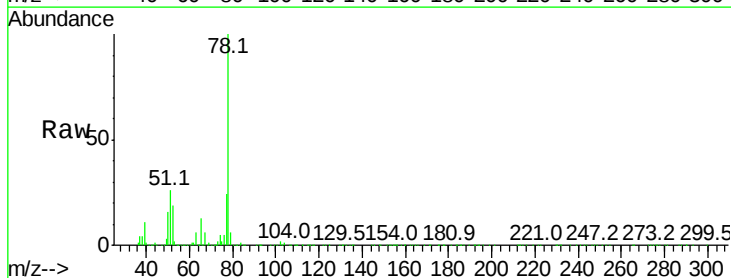
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V



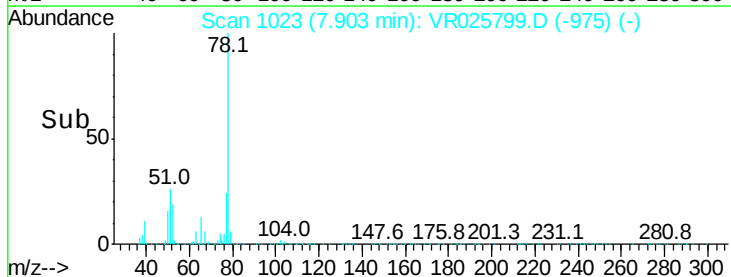
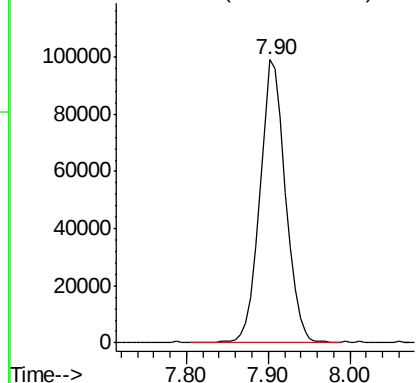
#33

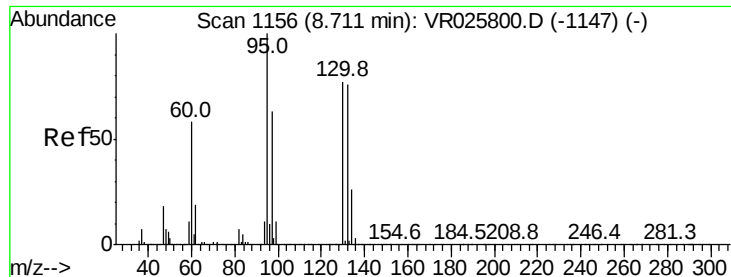
Benzene
Concen: 1.109 ug/L
RT: 7.90 min Scan# 1023
Delta R.T. -0.01 min
Lab File: VR025799.D
Acq: 21 Sep 2018 13:58

Tgt Ion: 78 Resp: 217799



Abundance Ion 78.10 (77.80 to 78.80): VR0





#34

Trichloroethene

Concen: 1.077 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VR025799.D

Acq: 21 Sep 2018 13:58

Instrument :

MSVOA_R

ClientSampleId :

VSTD00120

Tgt Ion: 95 Resp: 58447

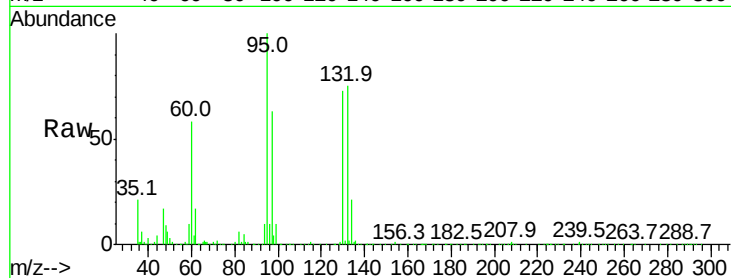
Ion Ratio Lower Upper

95 100

97 62.5 43.9 81.5

132 74.6 53.3 98.9

130 72.9 53.8 99.8

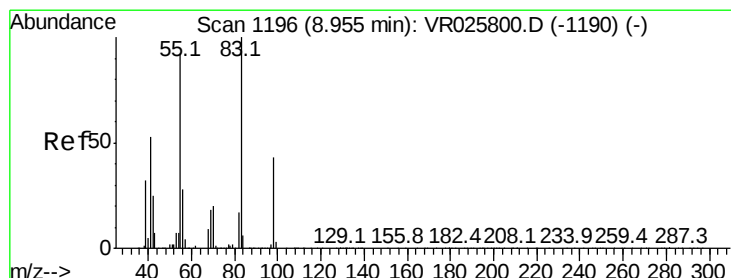
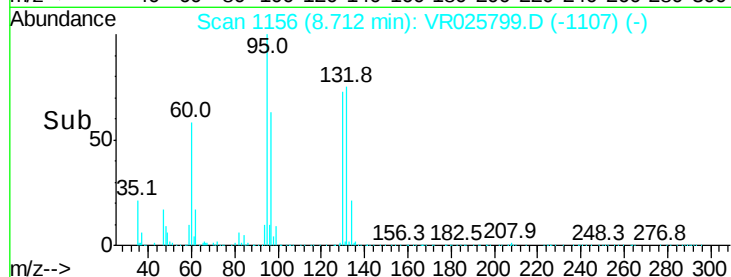
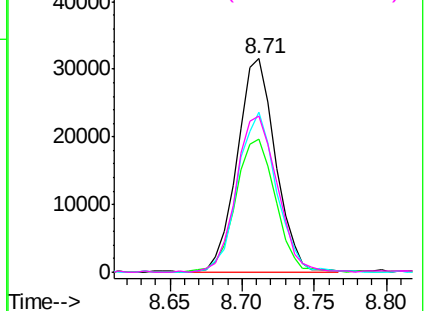


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 1.089 ug/L

RT: 8.96 min Scan# 1196

Delta R.T. 0.00 min

Lab File: VR025799.D

Acq: 21 Sep 2018 13:58

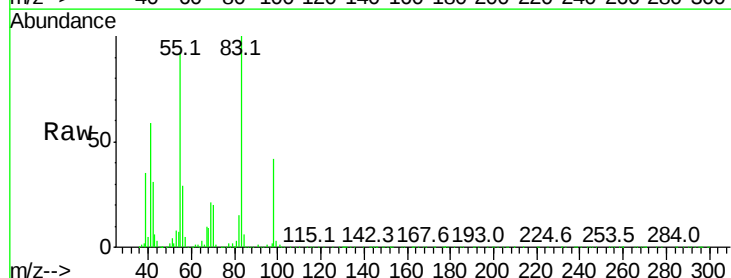
Tgt Ion: 83 Resp: 97042

Ion Ratio Lower Upper

83 100

55 88.2 71.8 107.6

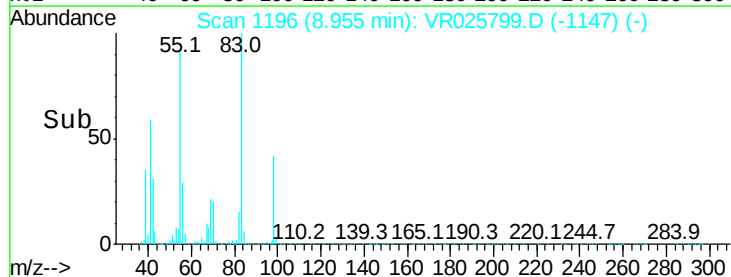
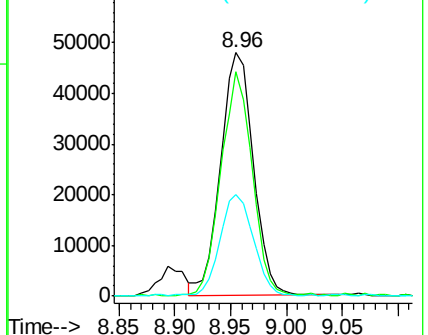
98 43.2 34.2 51.4

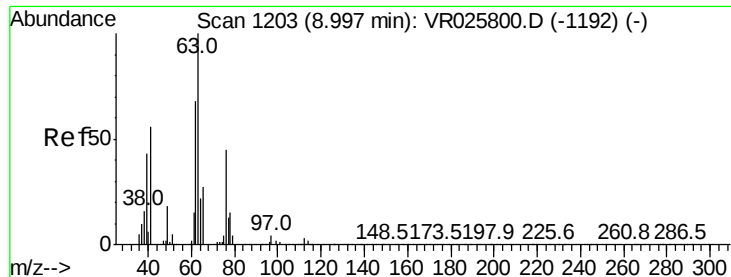


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 1.131 ug/L

RT: 8.99 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VR025799.D

Acq: 21 Sep 2018 13:58

Instrument :

MSVOA_R

ClientSampleId :

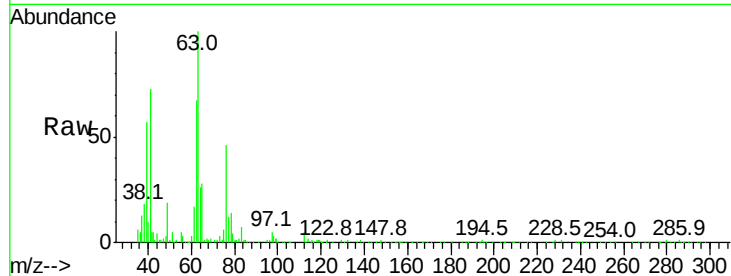
VSTD00120

Tgt Ion: 63 Resp: 48397

Ion Ratio Lower Upper

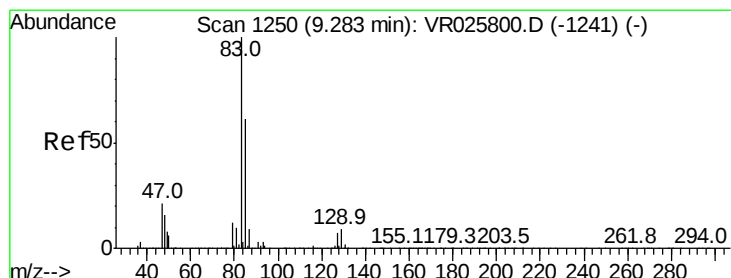
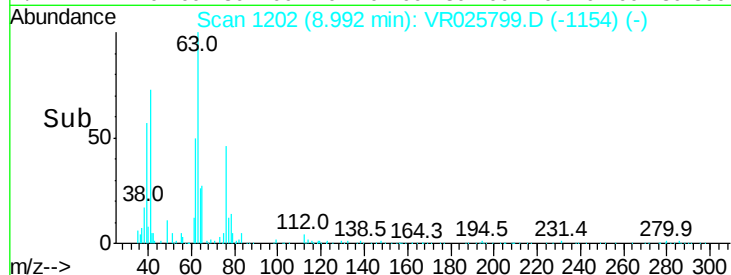
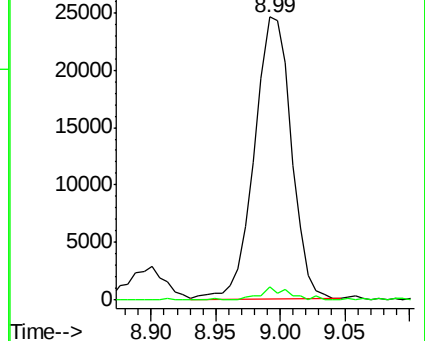
63 100

112 3.7 2.5 3.7#



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 112.10 (111.80 to 112.80): V



#38

Bromodichloromethane

Concen: 0.915 ug/L

RT: 9.28 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VR025799.D

Acq: 21 Sep 2018 13:58

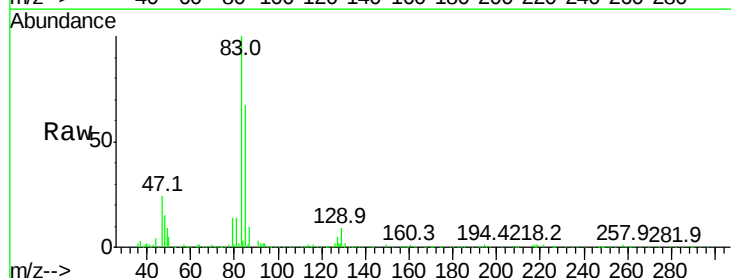
Tgt Ion: 83 Resp: 48772

Ion Ratio Lower Upper

83 100

85 66.7 42.8 79.4

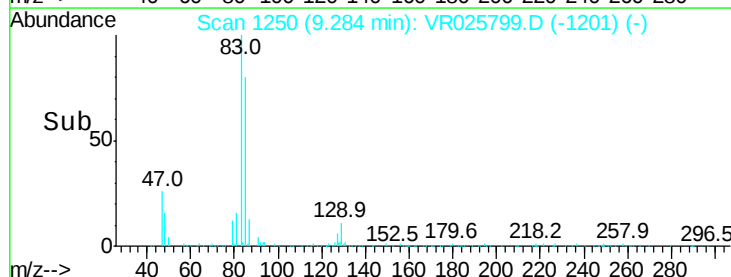
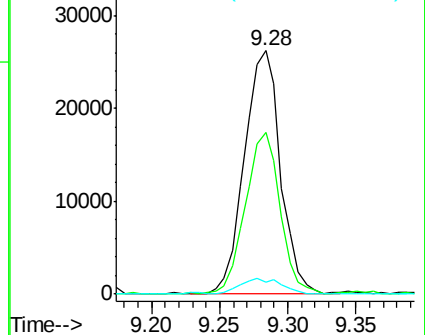
127 5.2 5.6 8.4#

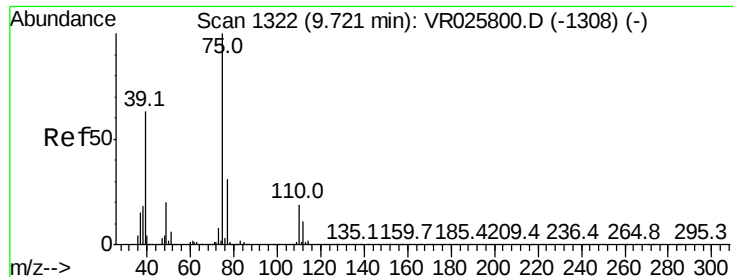


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 126.90 (126.60 to 127.60): V





#39

cis-1,3-Dichloropropene

Concen: 0.922 ug/L

RT: 9.72 min Scan# 1321

Delta R.T. -0.01 min

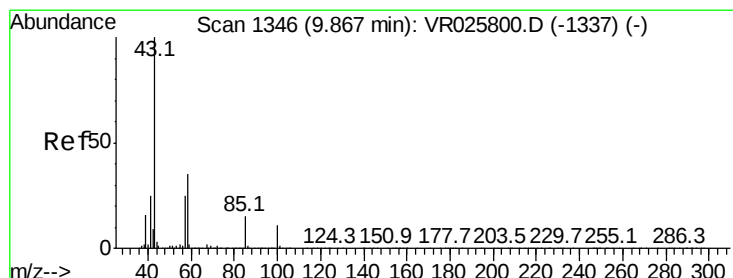
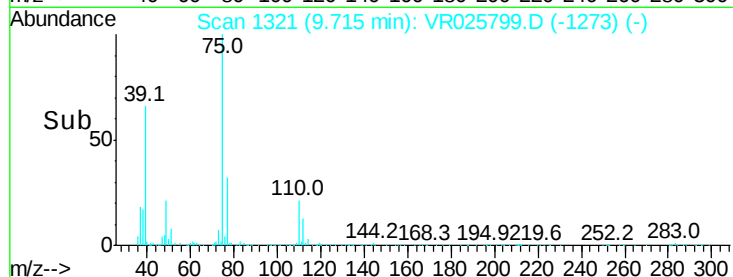
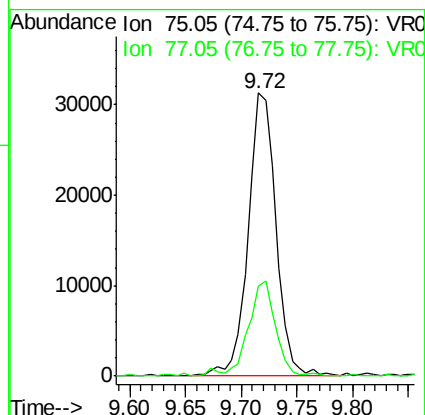
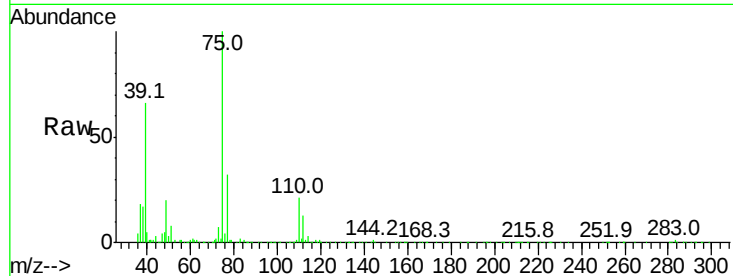
Lab File: VR025799.D

Acq: 21 Sep 2018 13:58

Instrument :
MSVOA_R
ClientSampleId :
VSTD00120

Tgt Ion: 75 Resp: 54530

Ion	Ratio	Lower	Upper
75	100		
77	32.1	21.5	39.9



#40

4-Methyl-2-pentanone

Concen: 10.911 ug/L

RT: 9.87 min Scan# 1346

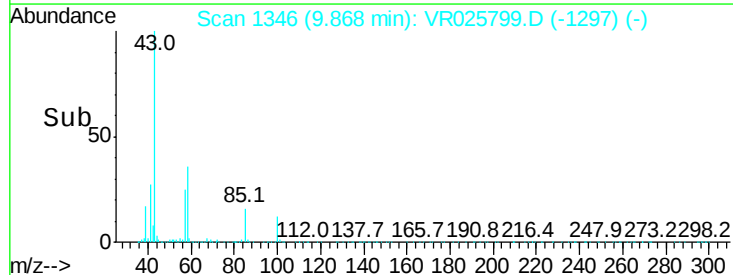
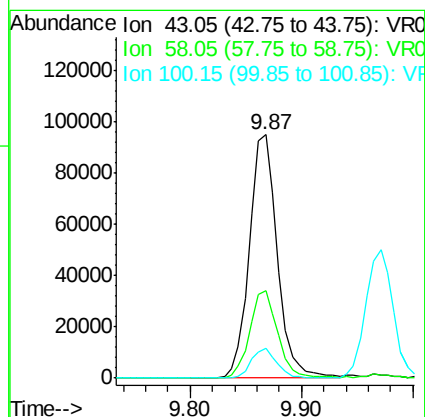
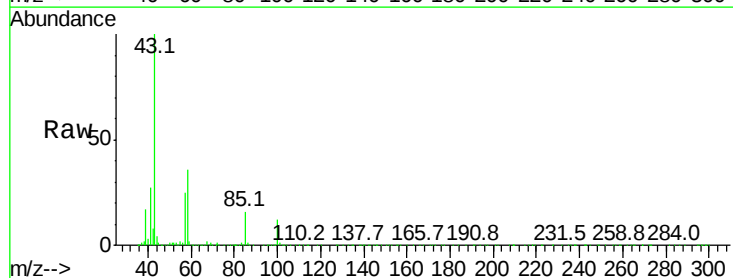
Delta R.T. 0.00 min

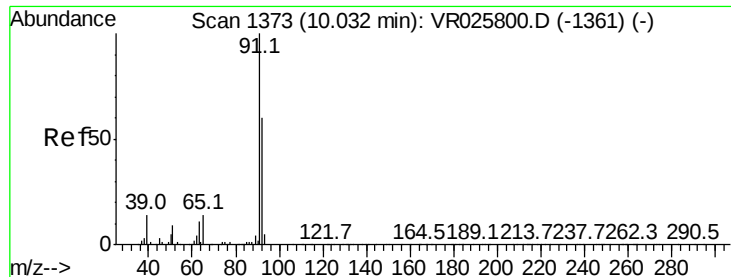
Lab File: VR025799.D

Acq: 21 Sep 2018 13:58

Tgt Ion: 43 Resp: 165050

Ion	Ratio	Lower	Upper
43	100		
58	36.0	28.6	43.0
100	11.5	9.0	13.4





#42

Toluene

Concen: 1.100 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. 0.01 min

Lab File: VR025799.D

Acq: 21 Sep 2018 13:58

Instrument :

MSVOA_R

ClientSampled :

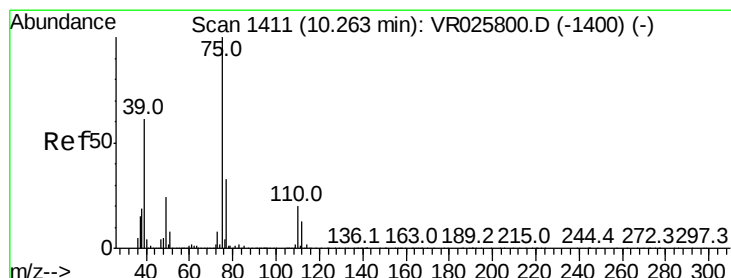
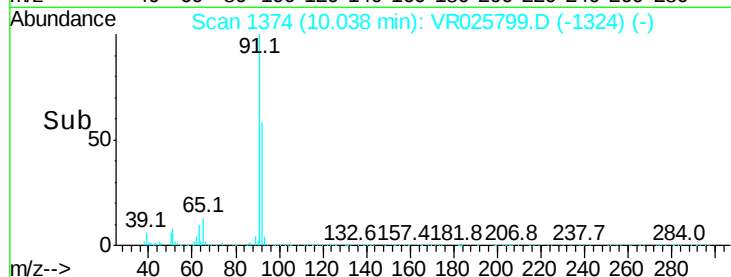
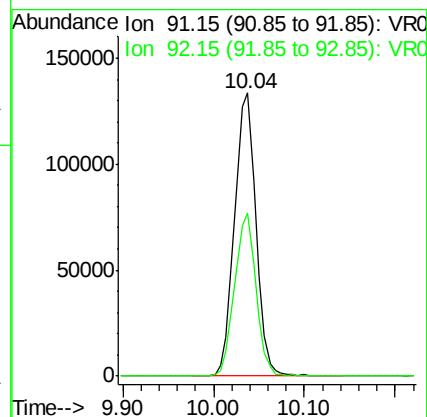
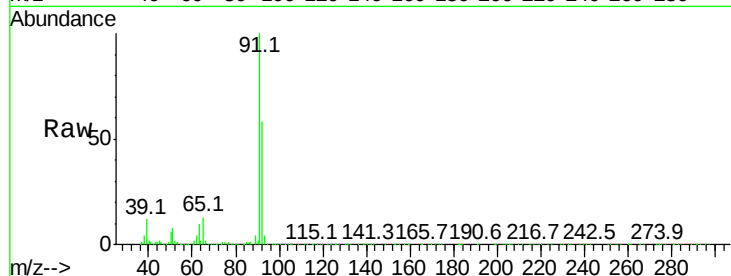
VSTD00120

Tgt Ion: 91 Resp: 219072

Ion Ratio Lower Upper

91 100

92 57.6 41.8 77.6



#44

trans-1,3-Dichloropropene

Concen: 0.816 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR025799.D

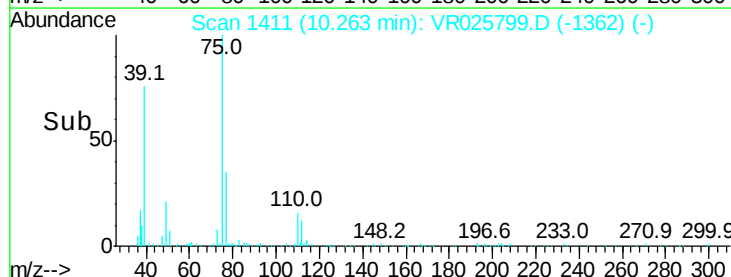
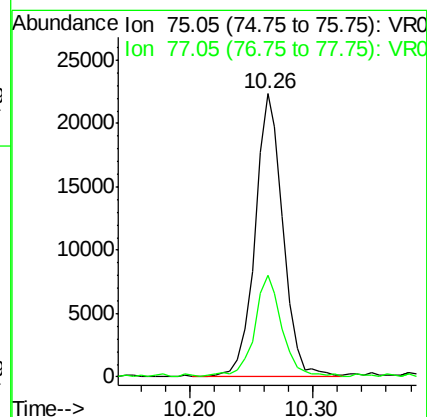
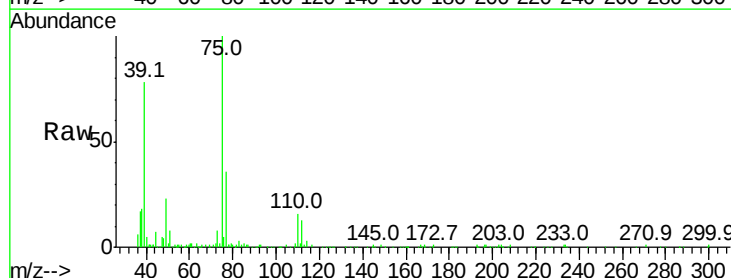
Acq: 21 Sep 2018 13:58

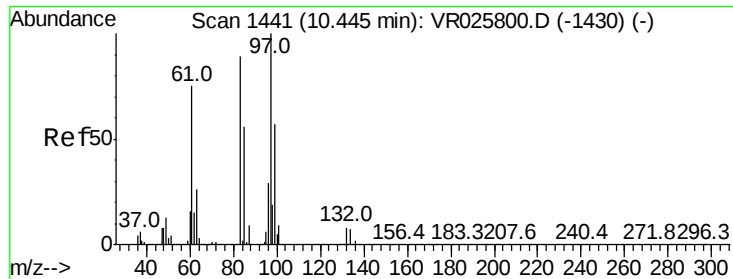
Tgt Ion: 75 Resp: 35489

Ion Ratio Lower Upper

75 100

77 36.0 23.0 42.8

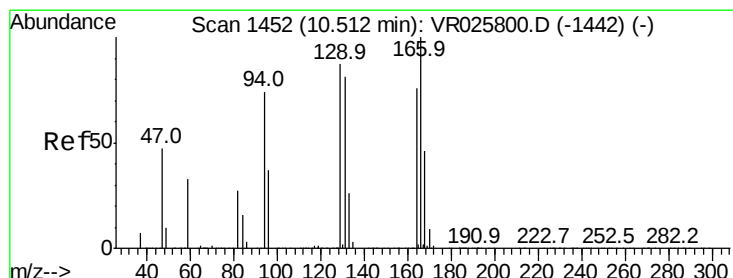
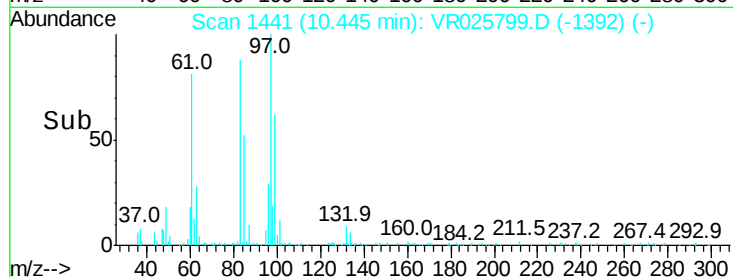
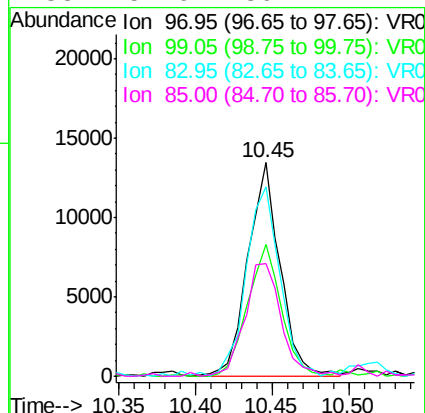
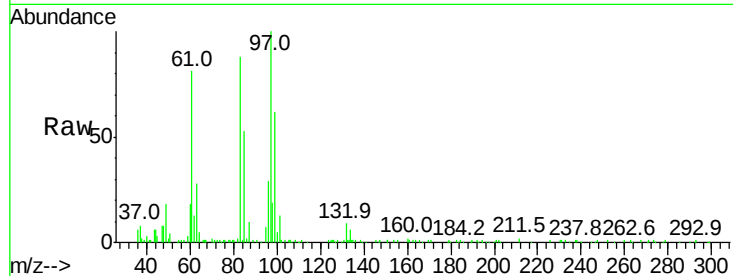




#45
 1,1,2-Trichloroethane
 Concen: 1.066 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VR025799.D
 Acq: 21 Sep 2018 13:58

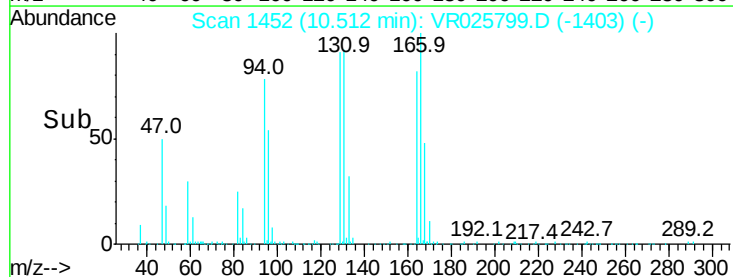
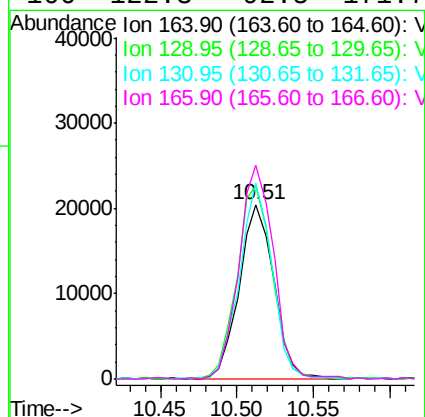
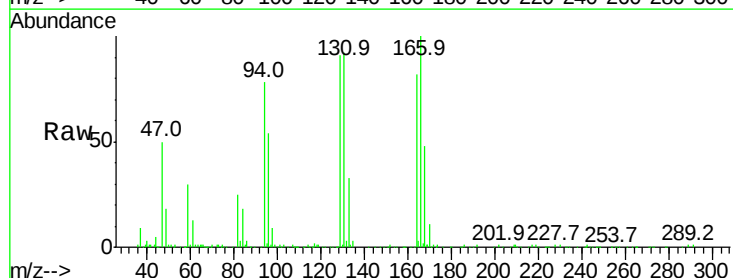
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00120

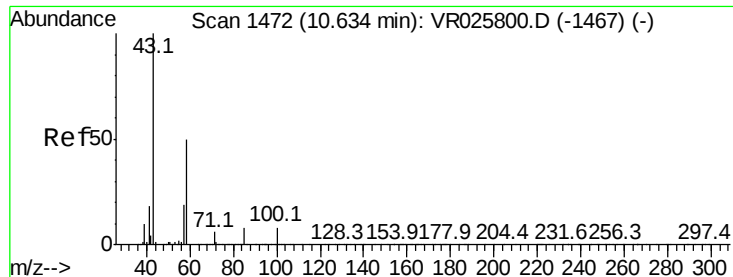
Tgt Ion:	97	Resp:	19799
Ion	Ratio	Lower	Upper
97	100		
99	62.0	39.6	73.6
83	88.5	62.2	115.6
85	52.9	39.1	72.7



#47
 Tetrachloroethene
 Concen: 1.001 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: VR025799.D
 Acq: 21 Sep 2018 13:58

Tgt Ion:	164	Resp:	32198
Ion	Ratio	Lower	Upper
164	100		
129	110.9	80.8	150.2
131	112.0	74.5	138.3
166	122.3	92.5	171.7

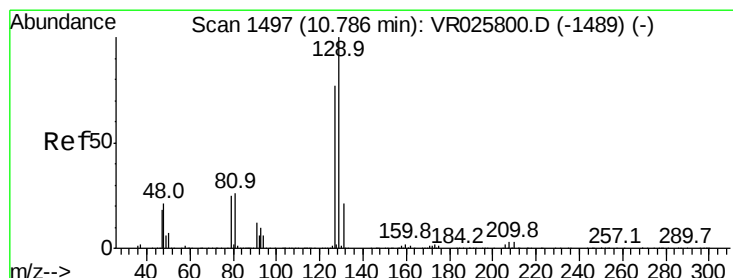
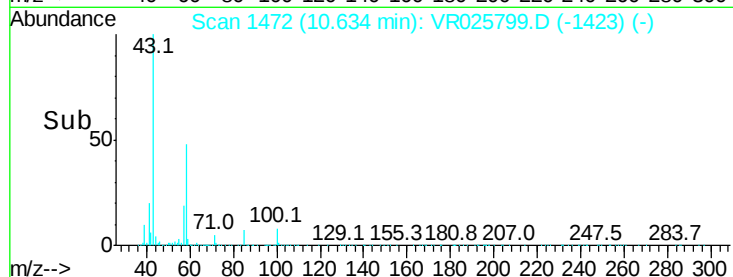
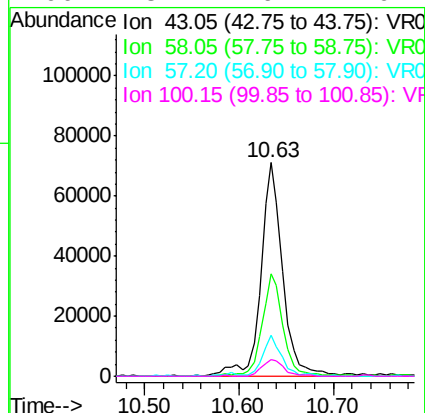
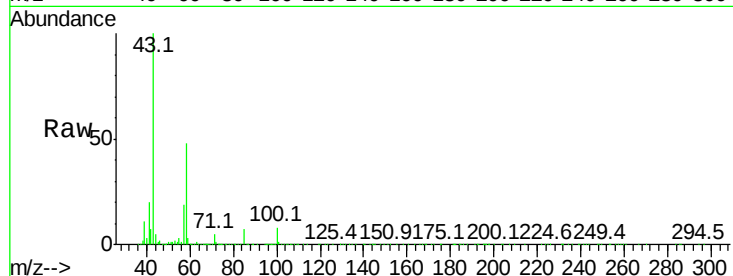




#48
2-Hexanone
Concen: 11.468 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR025799.D
Acq: 21 Sep 2018 13:58

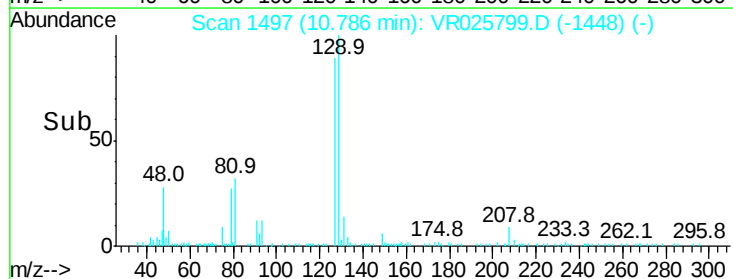
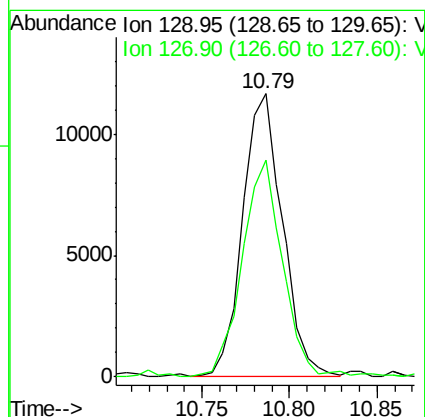
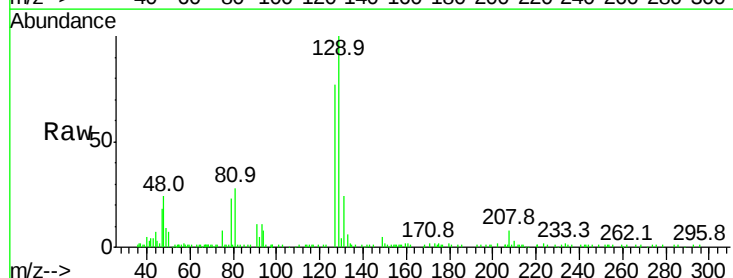
Instrument :
MSVOA_R
ClientSampleId :
VSTD00120

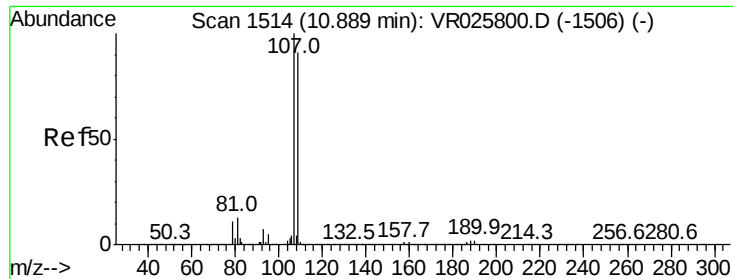
Tgt Ion:	43	Resp:	115474
Ion	Ratio	Lower	Upper
43	100		
58	45.7	39.5	59.3
57	16.4	14.6	21.8
100	8.1	6.7	10.1



#49
Dibromochloromethane
Concen: 0.800 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.00 min
Lab File: VR025799.D
Acq: 21 Sep 2018 13:58

Tgt Ion:	129	Resp:	18553
Ion	Ratio	Lower	Upper
129	100		
127	76.6	54.1	100.5





#50

1,2-Dibromoethane

Concen: 1.046 ug/L

RT: 10.88 min Scan# 1513

Delta R.T. -0.01 min

Lab File: VR025799.D

Acq: 21 Sep 2018 13:58

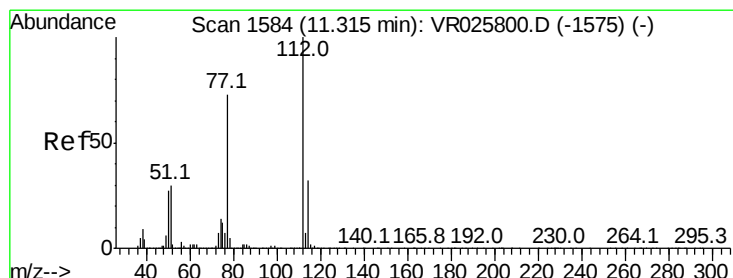
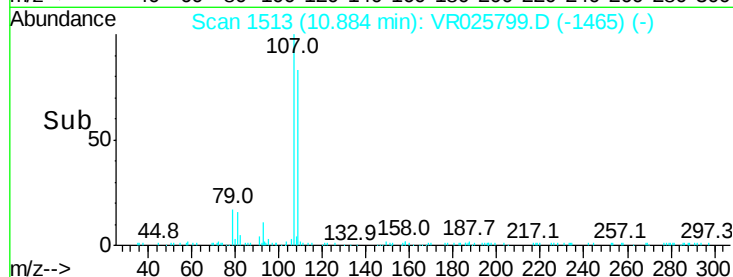
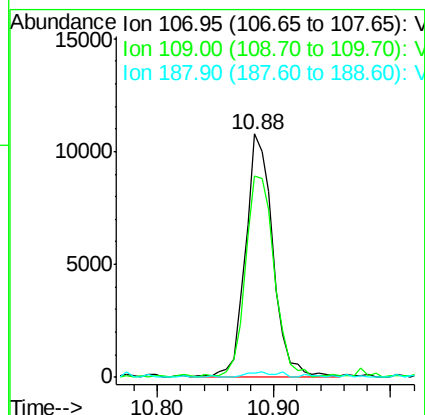
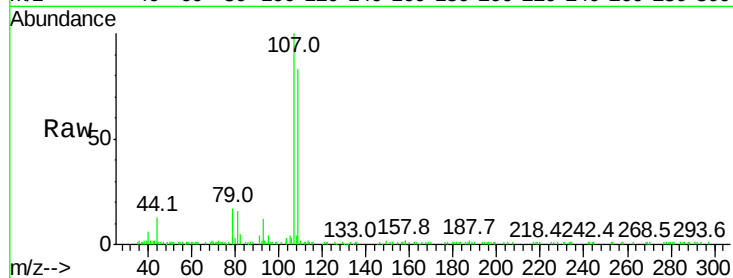
Instrument :

MSVOA_R

ClientSampleId :

VSTD00120

Tgt Ion:	107	Resp:	17707
Ion	Ratio	Lower	Upper
107	100		
109	82.9	63.5	117.9
188	1.7	1.7	2.5#



#51

Chlorobenzene

Concen: 1.048 ug/L

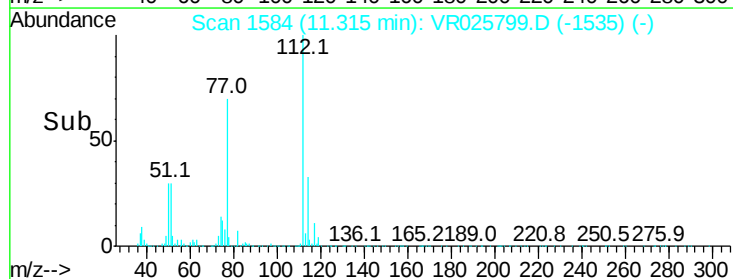
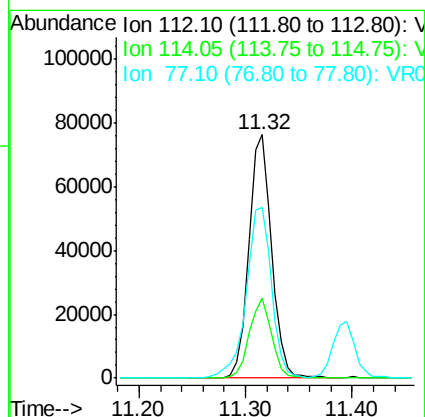
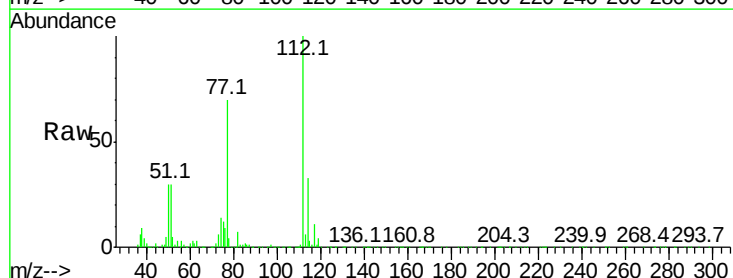
RT: 11.32 min Scan# 1584

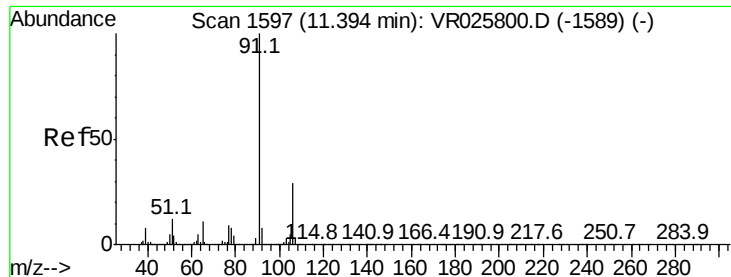
Delta R.T. 0.00 min

Lab File: VR025799.D

Acq: 21 Sep 2018 13:58

Tgt Ion:	112	Resp:	114057
Ion	Ratio	Lower	Upper
112	100		
114	32.7	22.7	42.3
77	70.2	58.5	87.7





#52

Ethylbenzene

Concen: 1.087 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR025799.D

Acq: 21 Sep 2018 13:58

Instrument :

MSVOA_R

ClientSampleId :

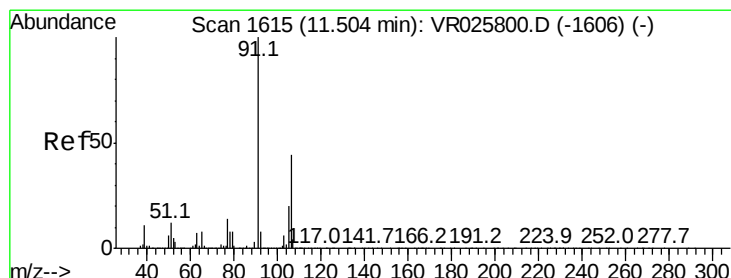
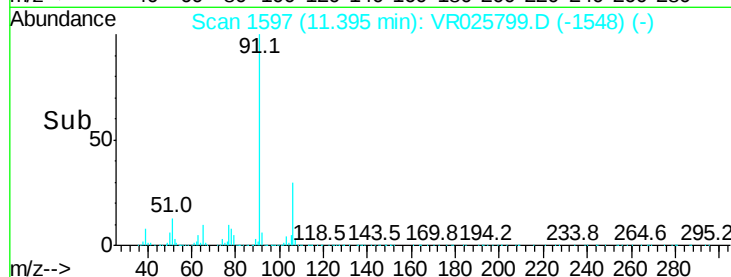
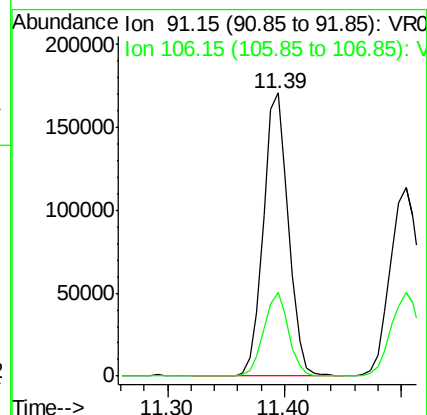
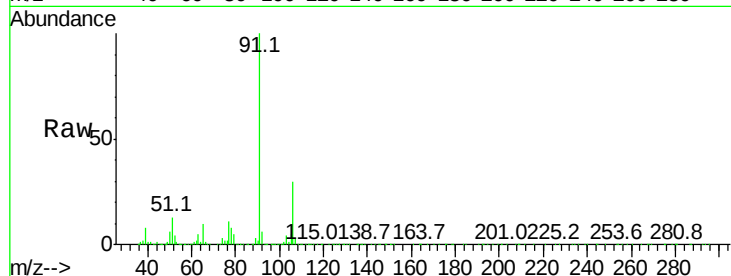
VSTD00120

Tgt Ion: 91 Resp: 253391

Ion Ratio Lower Upper

91 100

106 29.6 20.6 38.4



#53

m,p-Xylene

Concen: 1.015 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR025799.D

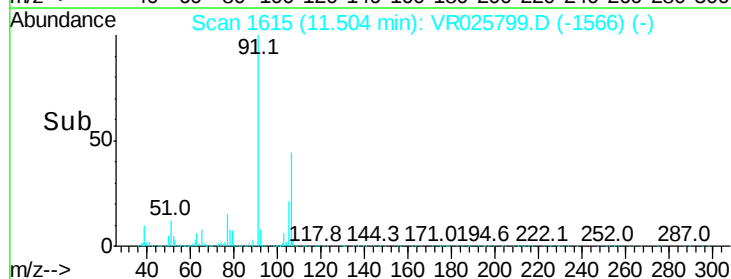
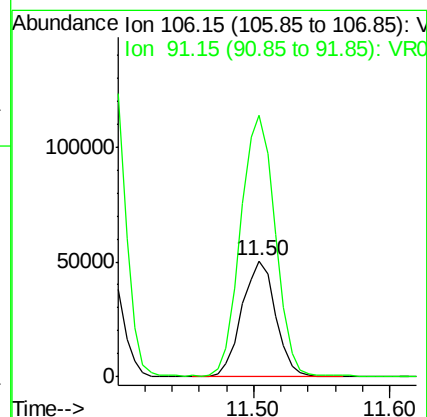
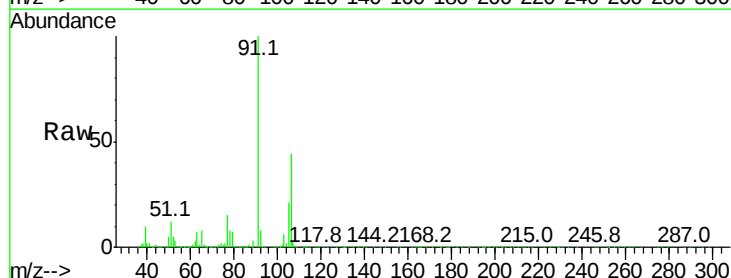
Acq: 21 Sep 2018 13:58

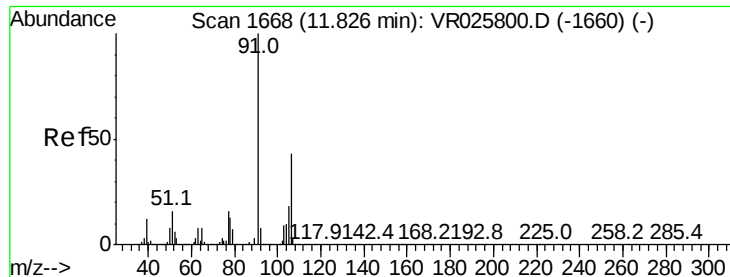
Tgt Ion: 106 Resp: 87390

Ion Ratio Lower Upper

106 100

91 226.0 159.7 296.5

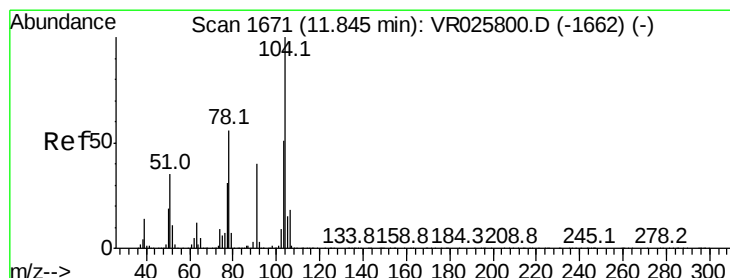
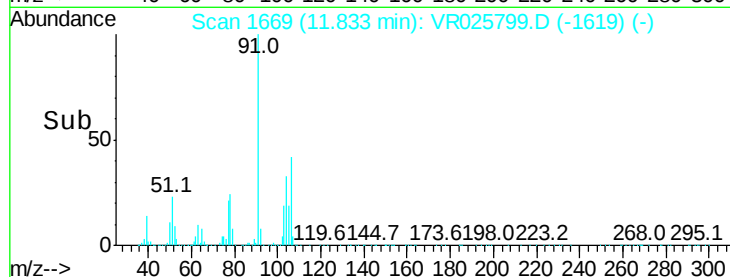
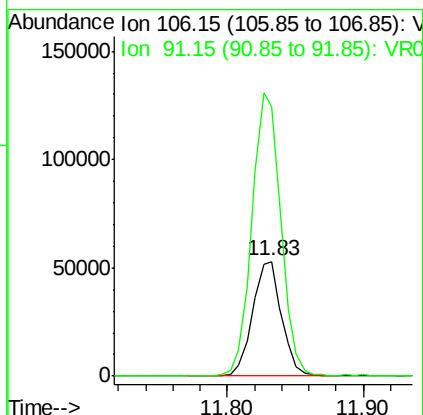
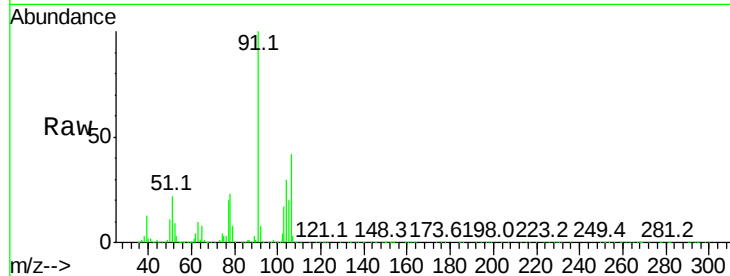




#54
o-Xylene
Concen: 1.002 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. 0.01 min
Lab File: VR025799.D
Acq: 21 Sep 2018 13:58

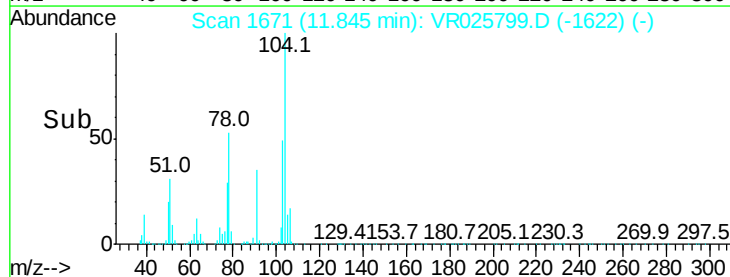
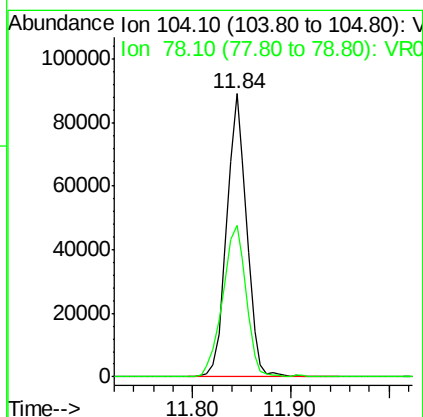
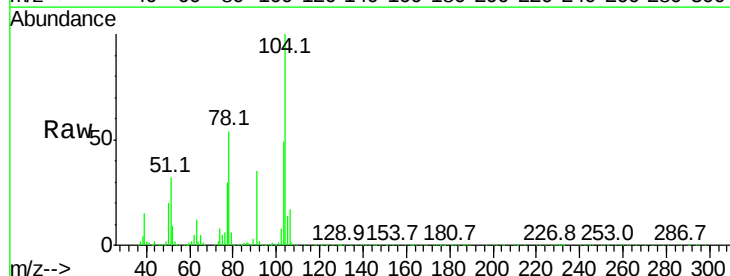
Instrument :
MSVOA_R
ClientSampleId :
VSTD00120

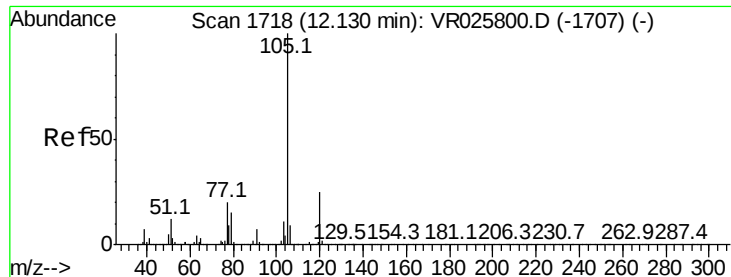
Tgt Ion:106 Resp: 79631
Ion Ratio Lower Upper
106 100
91 235.4 164.5 305.5



#55
Styrene
Concen: 1.025 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR025799.D
Acq: 21 Sep 2018 13:58

Tgt Ion:104 Resp: 126067
Ion Ratio Lower Upper
104 100
78 53.5 39.3 72.9





#56

Isopropylbenzene

Concen: 1.060 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR025799.D

Acq: 21 Sep 2018 13:58

Instrument :

MSVOA_R

ClientSampleId :

VSTD00120

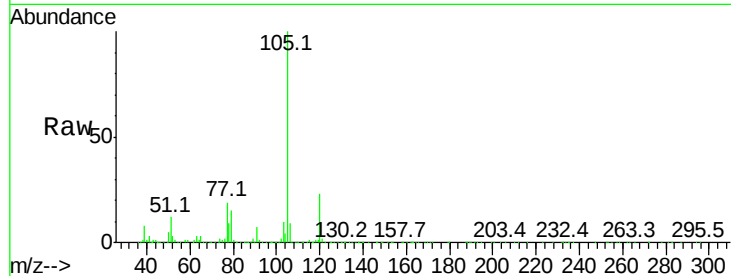
Tgt Ion: 105 Resp: 233405

Ion Ratio Lower Upper

105 100

120 23.8 19.8 29.8

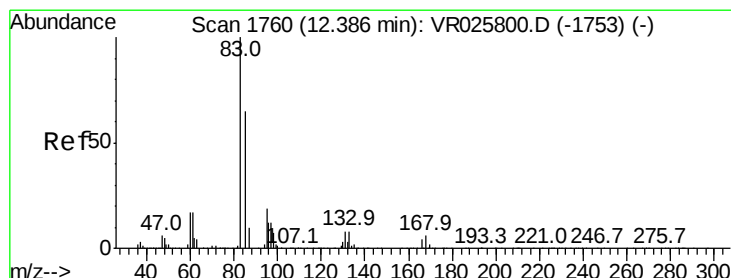
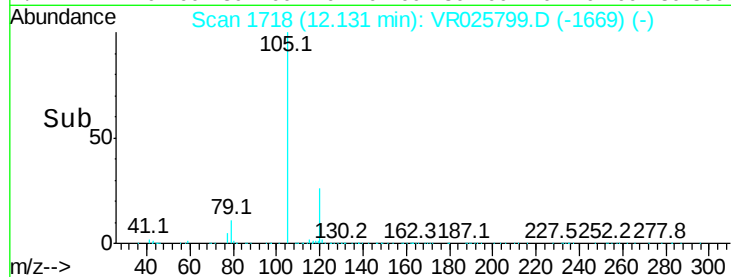
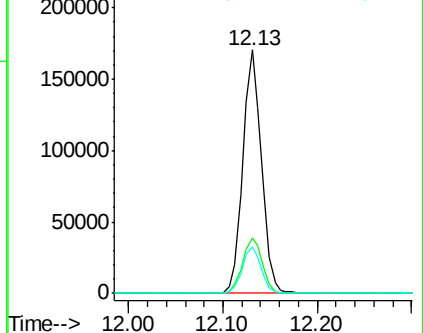
77 19.4 15.5 23.3



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: 1.055 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. 0.00 min

Lab File: VR025799.D

Acq: 21 Sep 2018 13:58

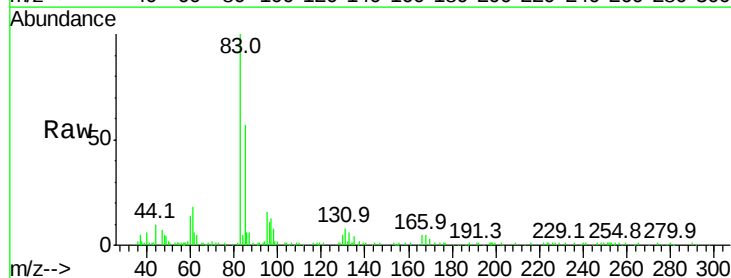
Tgt Ion: 83 Resp: 20430

Ion Ratio Lower Upper

83 100

85 56.5 45.8 85.0

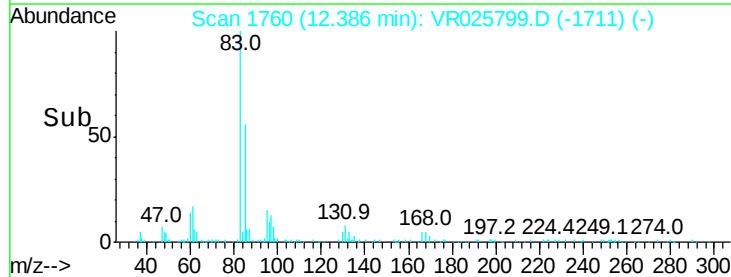
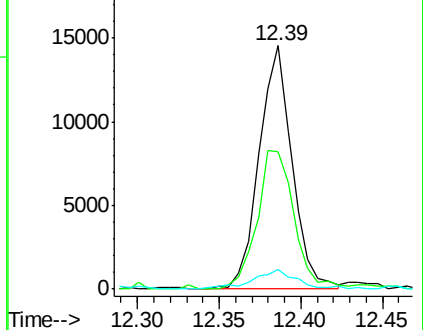
131 8.2 6.6 9.8

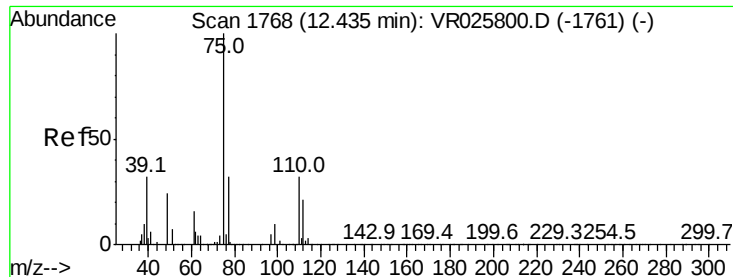


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 1.036 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VR025799.D

Acq: 21 Sep 2018 13:58

Instrument :

MSVOA_R

ClientSampleId :

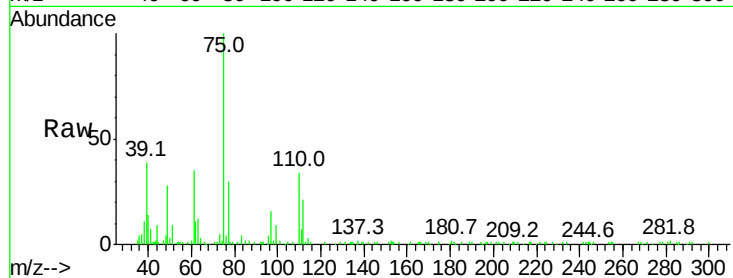
VSTD00120

Tgt Ion: 75 Resp: 16014

Ion Ratio Lower Upper

75 100

77 36.1 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VR0

Ion 77.00 (76.70 to 77.70): VR0

12000

10000

8000

6000

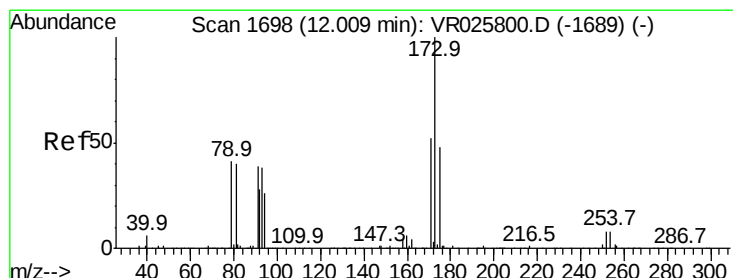
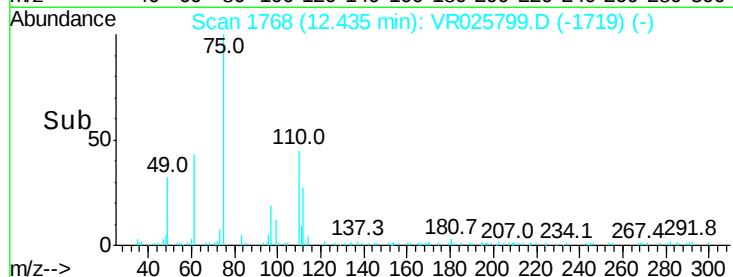
4000

2000

0

12.40 12.50

Time-->



#61

Bromoform

Concen: 0.583 ug/L

RT: 12.00 min Scan# 1697

Delta R.T. -0.01 min

Lab File: VR025799.D

Acq: 21 Sep 2018 13:58

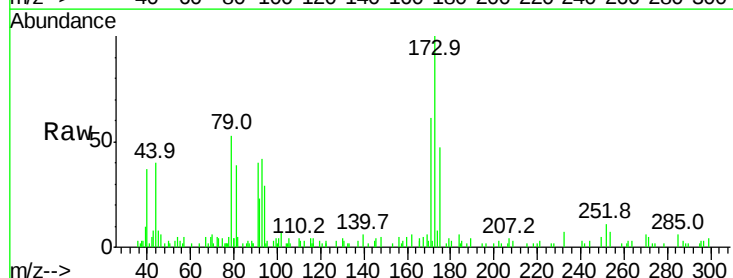
Tgt Ion: 173 Resp: 4864

Ion Ratio Lower Upper

173 100

175 52.4 36.9 55.3

254 14.1 6.6 10.0#



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V

4000

3000

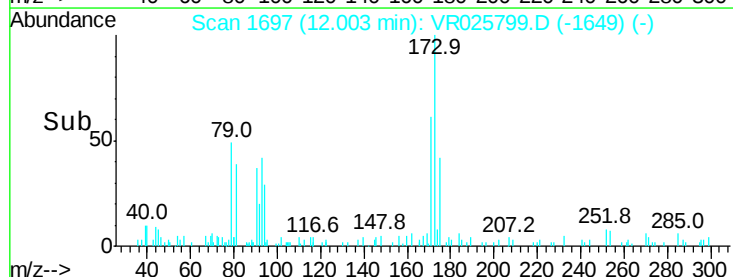
2000

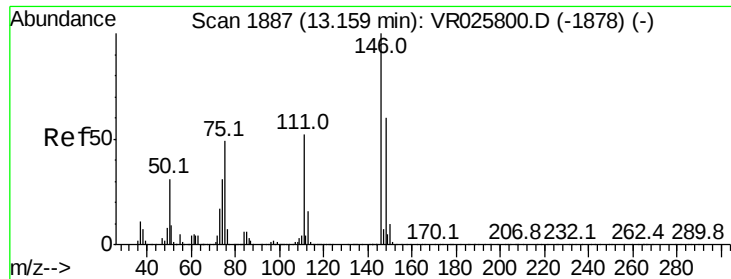
1000

0

11.95 12.00 12.05

Time-->





#62

1,3-Dichlorobenzene

Concen: 1.058 ug/L

RT: 13.16 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VR025799.D

Acq: 21 Sep 2018 13:58

Instrument :

MSVOA_R

ClientSampleId :

VSTD00120

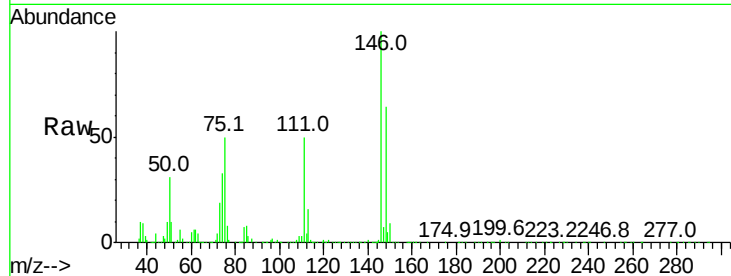
Tgt Ion:146 Resp: 66106

Ion Ratio Lower Upper

146 100

111 50.1 36.6 68.0

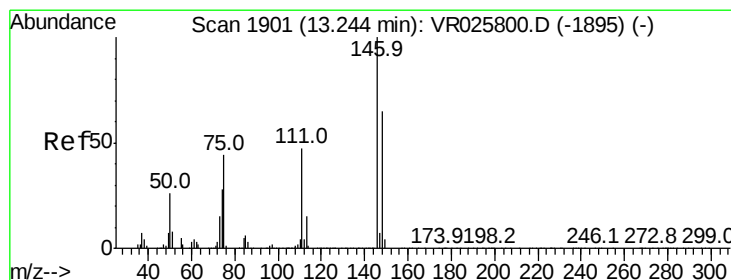
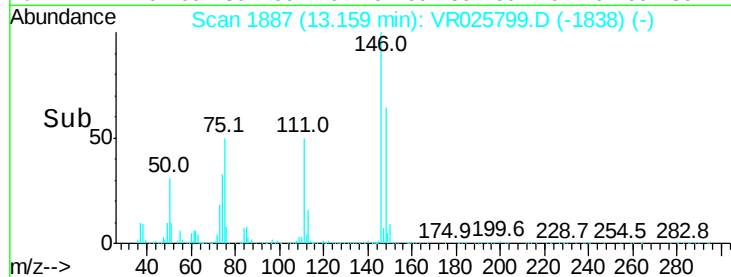
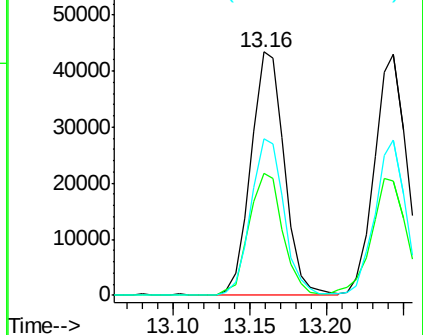
148 64.3 41.9 77.7



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: 1.072 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VR025799.D

Acq: 21 Sep 2018 13:58

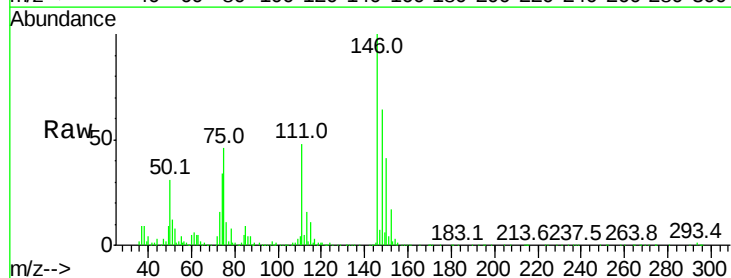
Tgt Ion:146 Resp: 63077

Ion Ratio Lower Upper

146 100

111 47.7 32.9 61.1

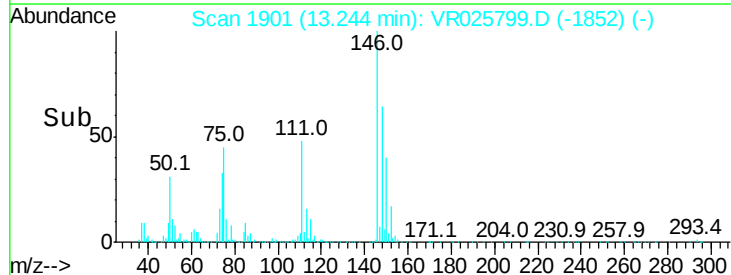
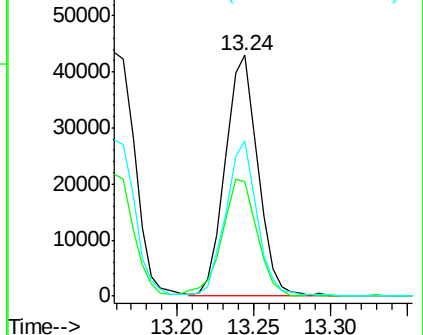
148 64.5 45.5 84.5

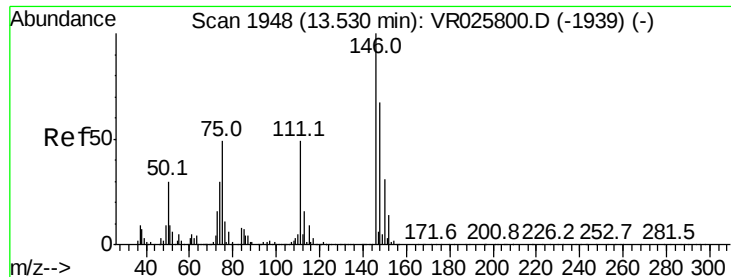


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

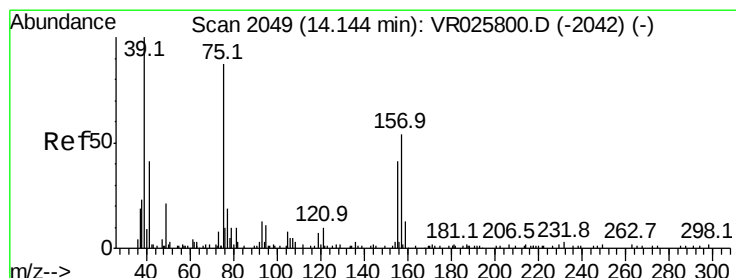
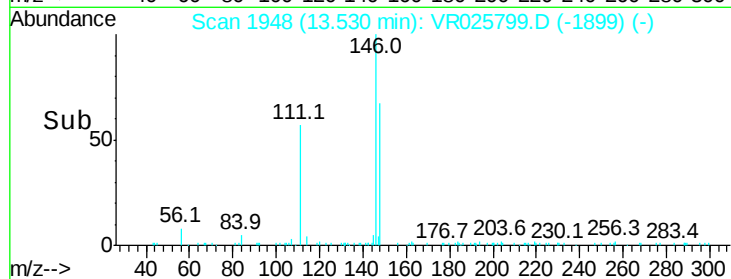
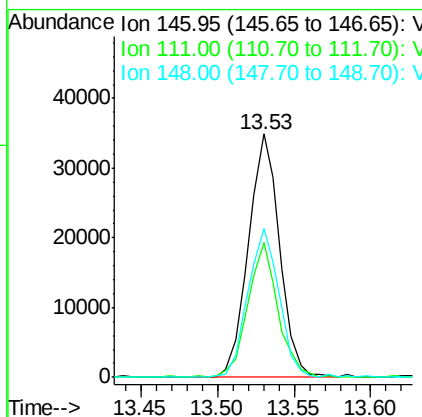
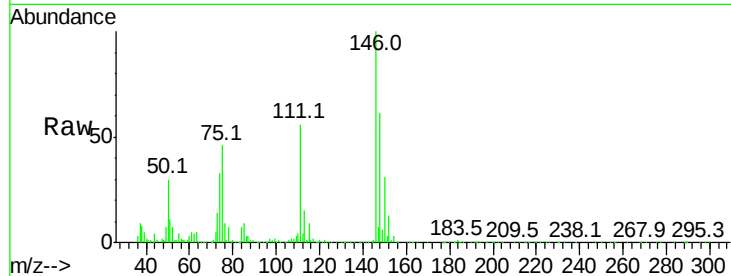




#65
 1,2-Dichlorobenzene
 Concen: 1.061 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. 0.00 min
 Lab File: VR025799.D
 Acq: 21 Sep 2018 13:58

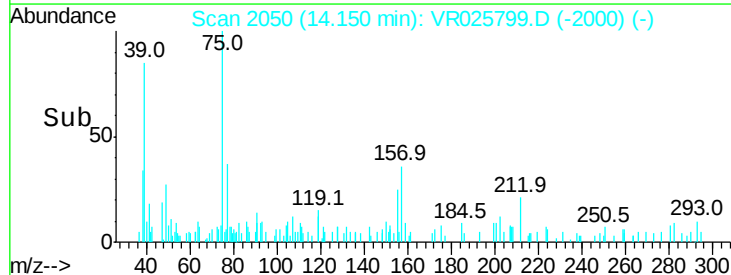
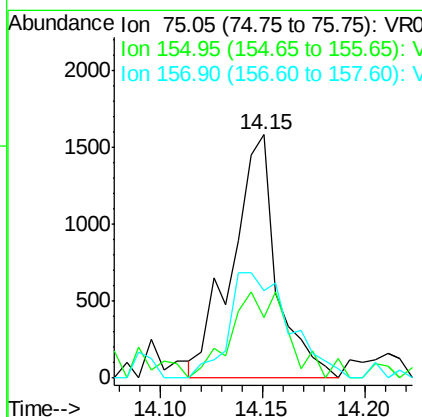
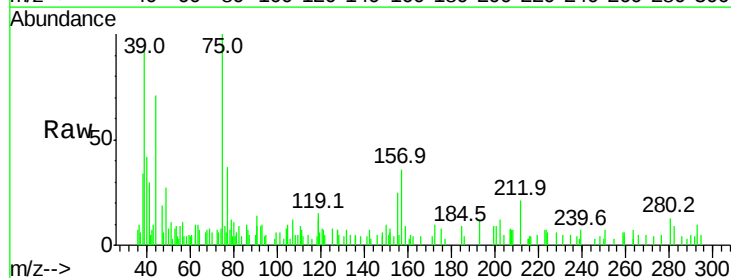
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00120

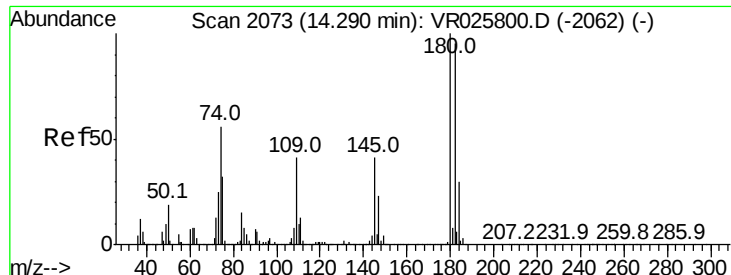
Tgt Ion	Ratio	Lower	Upper
146	100		
111	55.6	39.4	59.0
148	61.1	53.5	80.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.887 ug/L
 RT: 14.15 min Scan# 2050
 Delta R.T. 0.01 min
 Lab File: VR025799.D
 Acq: 21 Sep 2018 13:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	24.8	37.8	56.6#
157	36.0	49.7	74.5#

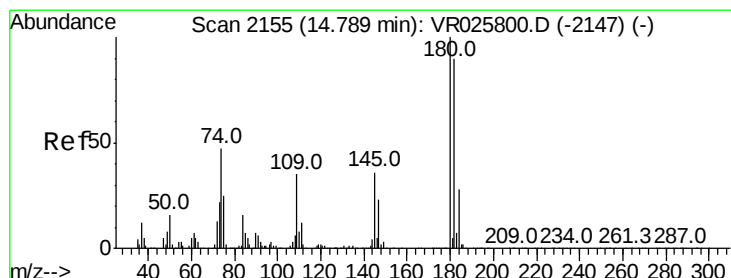
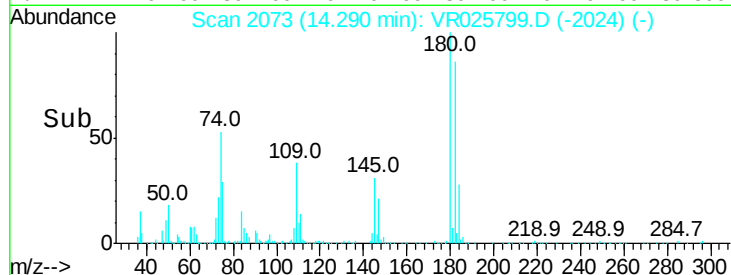
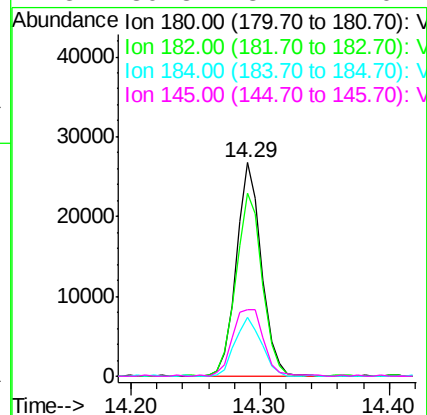
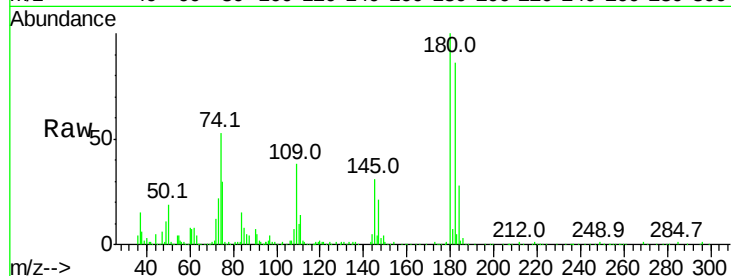




#67
 1,3,5-Trichlorobenzene
 Concen: 1.028 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VR025799.D
 Acq: 21 Sep 2018 13:58

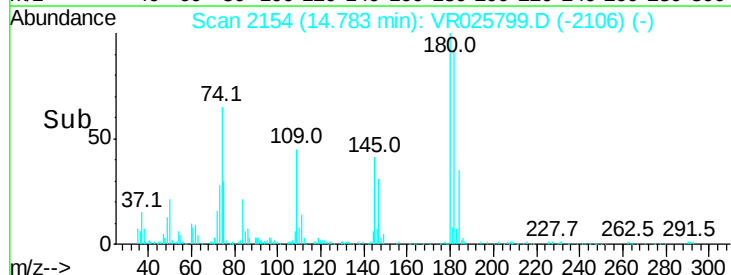
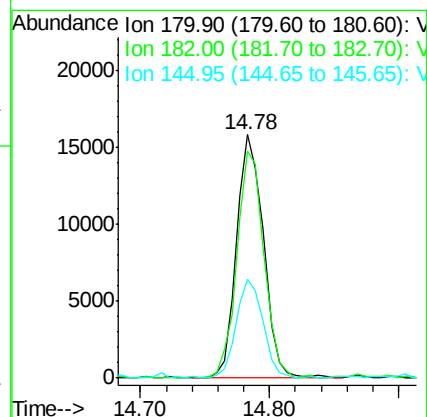
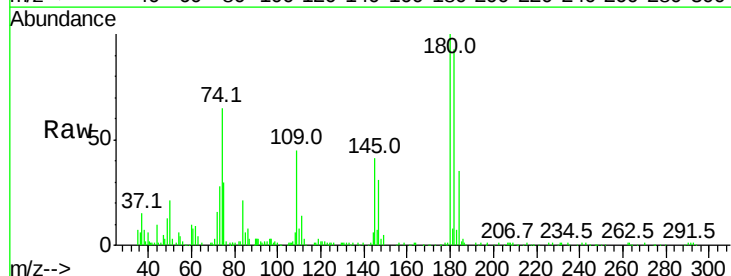
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00120

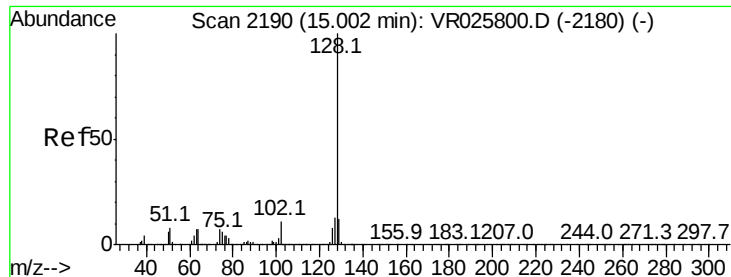
Tgt Ion:180 Resp: 36559
 Ion Ratio Lower Upper
 180 100
 182 89.2 77.2 115.8
 184 29.1 24.5 36.7
 145 39.3 31.1 46.7



#68
 1,2,4-trichlorobenzene
 Concen: 0.992 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. -0.01 min
 Lab File: VR025799.D
 Acq: 21 Sep 2018 13:58

Tgt Ion:180 Resp: 23098
 Ion Ratio Lower Upper
 180 100
 182 94.2 75.2 112.8
 145 40.7 30.5 45.7





#69

Naphthalene

Concen: 0.975 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VR025799.D

Acq: 21 Sep 2018 13:58

Instrument :

MSVOA_R

ClientSampleId :

VSTD00120

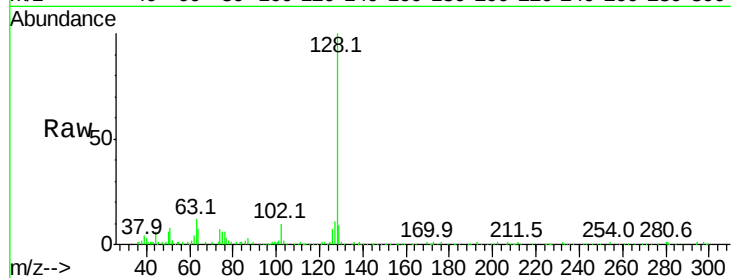
Tgt Ion:128 Resp: 33974

Ion Ratio Lower Upper

128 100

127 12.5 10.5 15.7

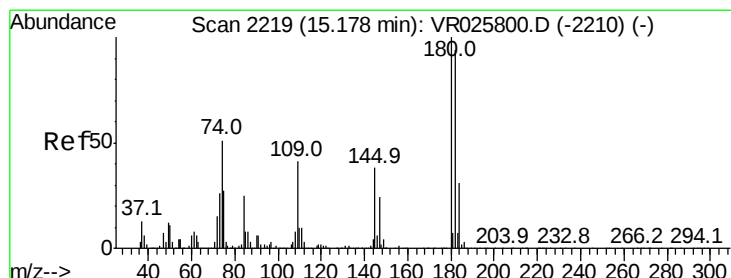
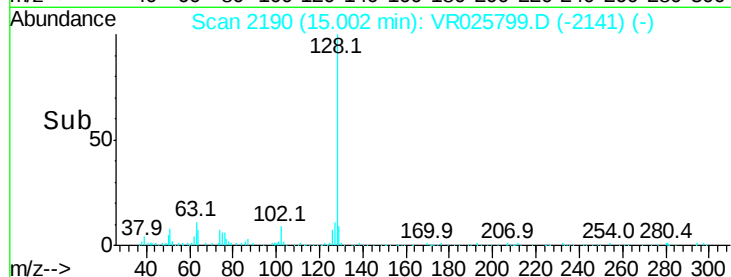
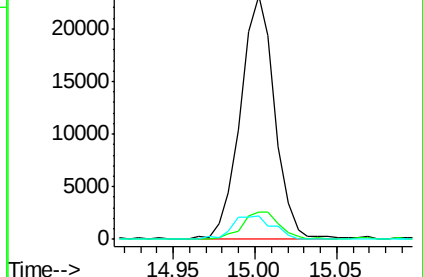
129 11.4 9.4 14.2



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: 1.005 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VR025799.D

Acq: 21 Sep 2018 13:58

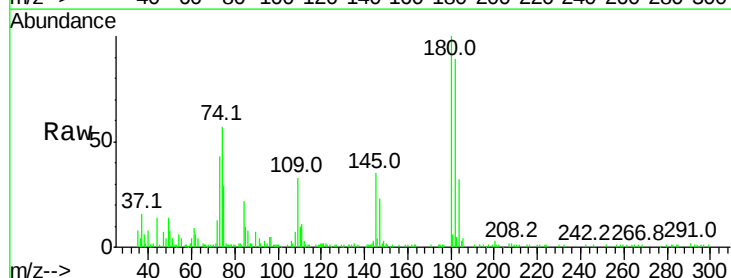
Tgt Ion:180 Resp: 16758

Ion Ratio Lower Upper

180 100

182 89.9 74.7 112.1

145 36.8 31.3 46.9



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

