

Data File : VR025873.D
Acq On : 27 Sep 2018 13:02
Operator : SY/MD
Sample : VSTD001
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00189

Quant Time: Sep 27 15:08:43 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 27 15:06:01 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	508029	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	418188	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	148377	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	44778	1.23	ug/L	0.00
7) Chloroethane-d5	2.63	69	37554	1.31	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.64	63	106252	1.21	ug/L	0.00
20) 2-Butanone-d5	6.59	46	47126	9.72	ug/L	0.00
24) Chloroform-d	7.20	84	76435	1.00	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.90	65	32201	0.98	ug/L	0.00
32) Benzene-d6	7.85	84	152023	0.98	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.90	67	40647	0.96	ug/L	0.00
41) Toluene-d8	9.97	98	138073	0.99	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	8106	0.69	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	34130	8.72	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	15521	0.96	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.51	152	23812	0.94	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	32039	0.605 ug/L	89
3) Chloromethane	2.01	50	49083	0.852 ug/L	98
5) Vinyl chloride	2.17	62	51535	0.945 ug/L	91
6) Bromomethane	2.53	94	32739	1.056 ug/L	88
8) Chloroethane	2.66	64	28685	0.925 ug/L	96
9) Trichlorofluoromethane	2.94	101	26068	0.385 ug/L #	47
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	41162	0.999 ug/L	98
12) 1,1-Dichloroethene	3.64	96	42244	0.964 ug/L	74
13) Acetone	3.70	43	36762	11.488 ug/L	92
14) Carbon disulfide	3.95	76	95428	0.774 ug/L	97
15) Methyl Acetate	4.19	43	9673	0.942 ug/L	90
16) Methylene chloride	4.40	84	42107	1.069 ug/L	88
17) Methyl tert-butyl Ether	4.89	73	45788	0.597 ug/L #	88
18) trans-1,2-Dichloroethene	4.88	96	34289	0.692 ug/L	83
19) 1,1-Dichloroethane	5.69	63	70122	0.692 ug/L	95
21) 2-Butanone	6.69	43	46990	7.046 ug/L	97
22) cis-1,2-Dichloroethene	6.67	96	32998	0.661 ug/L #	89
23) Bromochloromethane	7.06	128	9223	0.701 ug/L	90
25) Chloroform	7.23	83	69242	0.743 ug/L	96
27) 1,2-Dichloroethane	7.99	62	34014	0.706 ug/L	98
29) 1,1,1-Trichloroethane	7.43	97	48835	0.578 ug/L	97
30) Cyclohexane	7.53	56	60291	0.599 ug/L	97
31) Carbon tetrachloride	7.64	117	40662	0.585 ug/L	95
33) Benzene	7.90	78	153393	0.699 ug/L	100
34) Trichloroethene	8.71	95	40768	0.700 ug/L	90
35) Methylcyclohexane	8.96	83	55995	0.586 ug/L	96
37) 1,2-Dichloropropane	9.00	63	32813	0.670 ug/L #	96
38) Bromodichloromethane	9.28	83	32786	0.607 ug/L #	90
39) cis-1,3-Dichloropropene	9.72	75	32731	0.546 ug/L	97
40) 4-Methyl-2-pentanone	9.87	43	111147	6.522 ug/L	99

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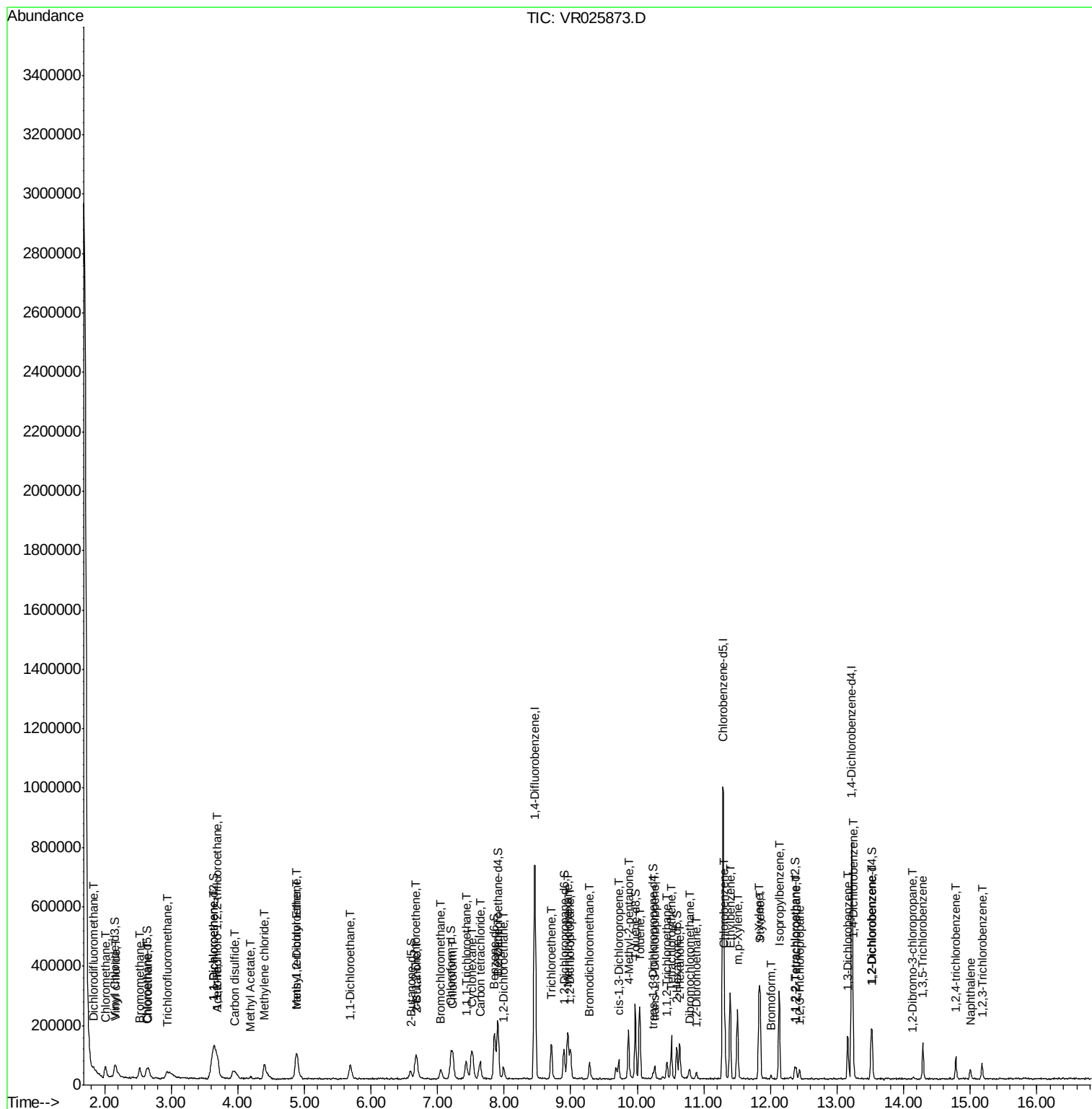
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.04	91	154698	0.691	ug/L	97
44) trans-1,3-Dichloropropene	10.26	75	19933	0.480	ug/L #	82
45) 1,1,2-Trichloroethane	10.45	97	16220	0.790	ug/L	91
47) Tetrachloroethene	10.51	164	24137	0.724	ug/L	93
48) 2-Hexanone	10.63	43	72383	6.459	ug/L	98
49) Dibromochloromethane	10.79	129	12877	0.602	ug/L	77
50) 1,2-Dibromoethane	10.89	107	10531	0.583	ug/L #	60
51) Chlorobenzene	11.32	112	81985	0.698	ug/L	95
52) Ethylbenzene	11.39	91	176650	0.686	ug/L	99
53) m,p-Xylene	11.50	106	59922	0.646	ug/L	95
54) o-Xylene	11.83	106	55055	0.648	ug/L	92
55) Styrene	11.84	104	87922	0.668	ug/L	98
56) Isopropylbenzene	12.13	105	157514	0.662	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	15580	0.774	ug/L #	91
59) 1,2,3-Trichloropropane	12.43	75	10926	0.683	ug/L	97
61) Bromoform	12.01	173	3828	0.553	ug/L #	90
62) 1,3-Dichlorobenzene	13.16	146	43928	0.640	ug/L	92
63) 1,4-Dichlorobenzene	13.24	146	45647	0.689	ug/L	92
65) 1,2-Dichlorobenzene	13.53	146	35817	0.685	ug/L	91
66) 1,2-Dibromo-3-chloropropan	14.13	75	1761	0.737	ug/L #	80
67) 1,3,5-Trichlorobenzene	14.29	180	25841	0.667	ug/L	97
68) 1,2,4-trichlorobenzene	14.78	180	16495	0.669	ug/L	98
69) Naphthalene	15.00	128	20127	0.561	ug/L	97
70) 1,2,3-Trichlorobenzene	15.18	180	12207	0.697	ug/L	96

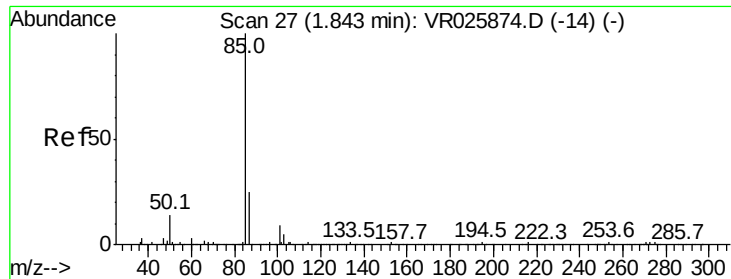
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.605 ug/L

RT: 1.83 min Scan# 25

Delta R.T. -0.01 min

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Instrument :

MSVOA_R

ClientSampleId :

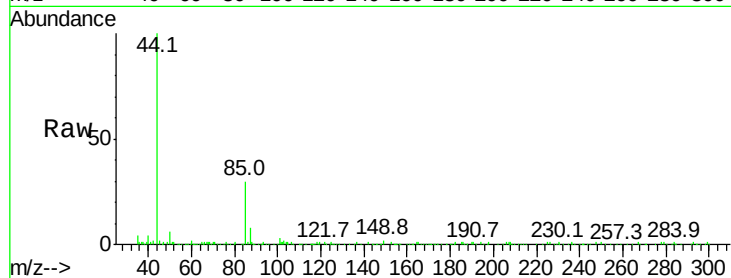
VSTD00189

Tgt Ion: 85 Resp: 32039

Ion Ratio Lower Upper

85 100

87 25.3 25.1 37.7



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0

1.83

8000

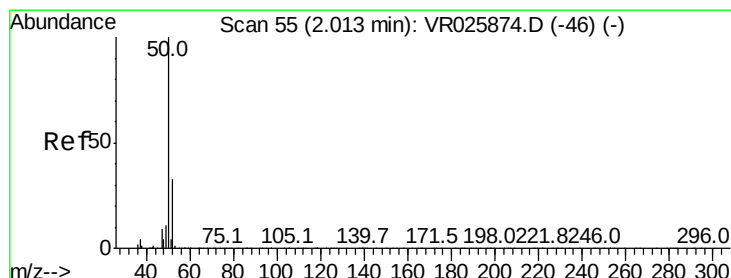
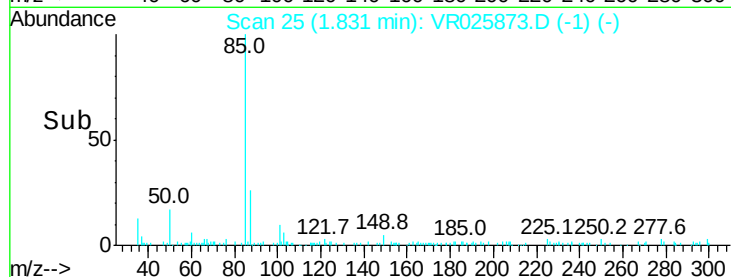
6000

4000

2000

0

Time--> 1.70 1.80 1.90 2.00



#3

Chloromethane

Concen: 0.852 ug/L

RT: 2.01 min Scan# 55

Delta R.T. -0.00 min

Lab File: VR025873.D

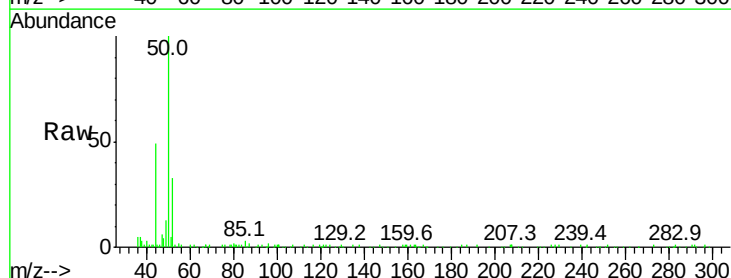
Acq: 27 Sep 2018 13:02

Tgt Ion: 50 Resp: 49083

Ion Ratio Lower Upper

50 100

52 33.0 22.1 41.1



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0

2.01

20000

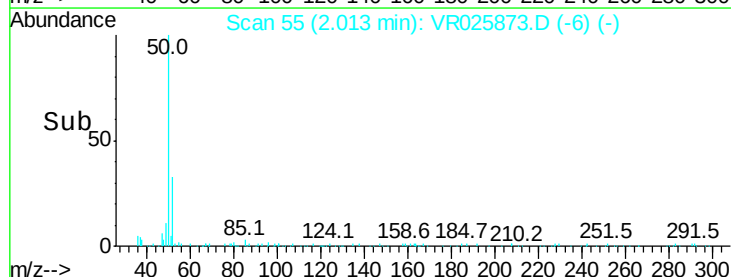
15000

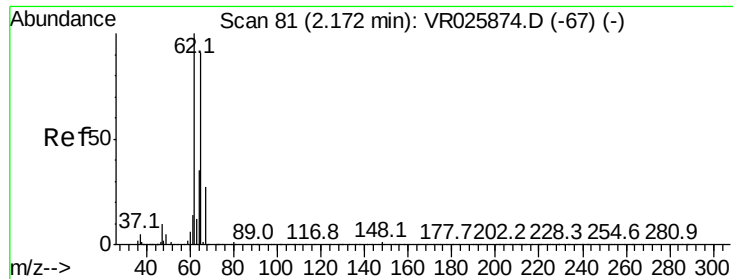
10000

5000

0

Time--> 1.90 1.95 2.00 2.05 2.10





#5

Vinyl chloride

Concen: 0.945 ug/L

RT: 2.17 min Scan# 80

Delta R.T. -0.00 min

Lab File: VR025873.D

Acq: 27 Sep 2018 13:02

Instrument :

MSVOA_R

ClientSampleId :

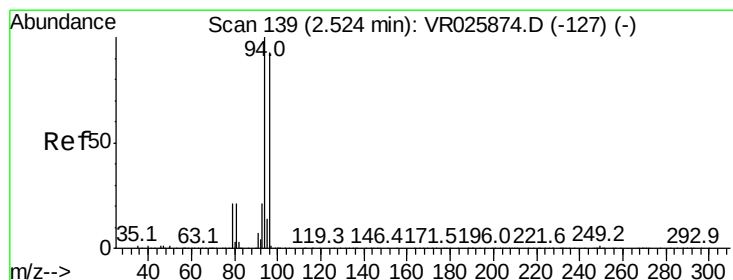
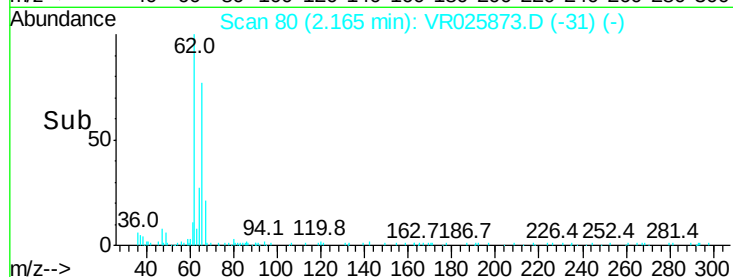
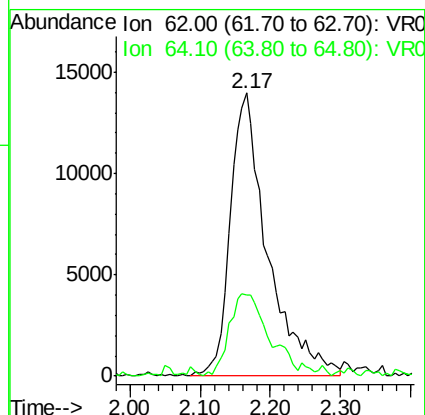
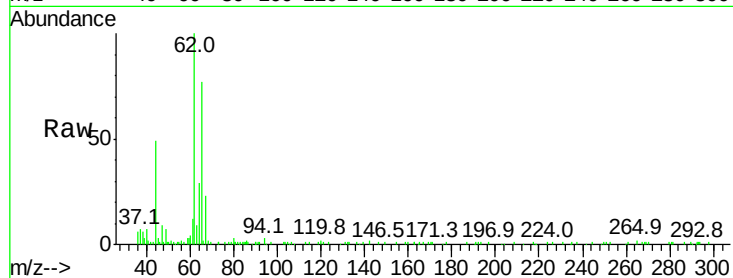
VSTD00189

Tgt Ion: 62 Resp: 51535

Ion Ratio Lower Upper

62 100

64 28.6 23.5 43.7



#6

Bromomethane

Concen: 1.056 ug/L

RT: 2.53 min Scan# 140

Delta R.T. -0.00 min

Lab File: VR025873.D

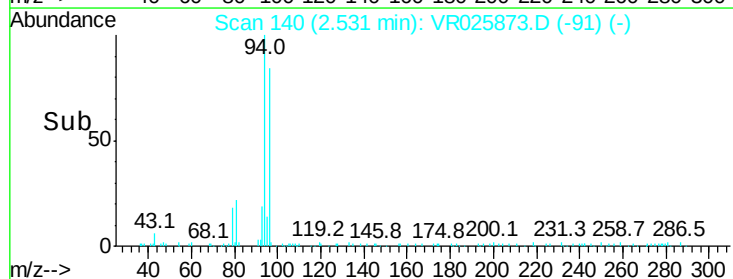
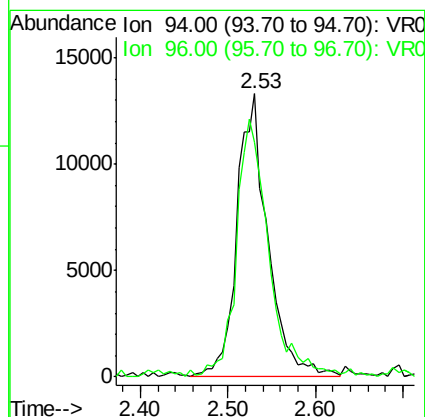
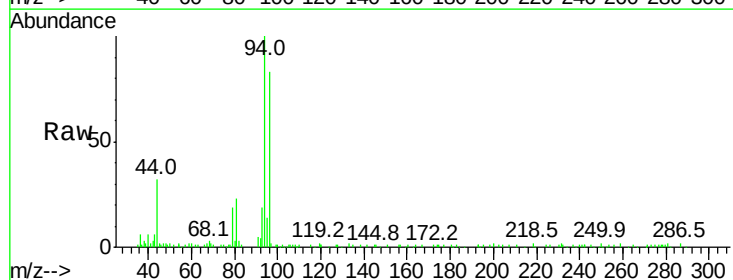
Acq: 27 Sep 2018 13:02

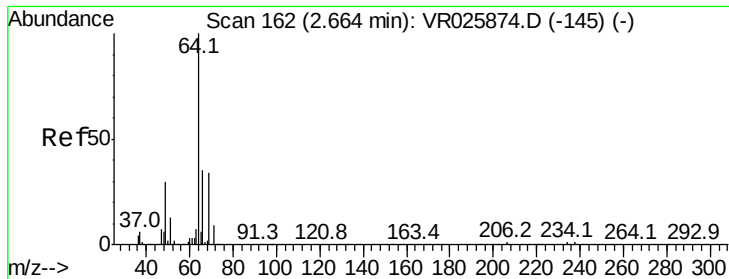
Tgt Ion: 94 Resp: 32739

Ion Ratio Lower Upper

94 100

96 83.1 66.1 122.8





#8

Chloroethane

Concen: 0.925 ug/L

RT: 2.66 min Scan# 161

Delta R.T. -0.01 min

Lab File: VR025873.D

Acq: 27 Sep 2018 13:02

Instrument :

MSVOA_R

ClientSampleId :

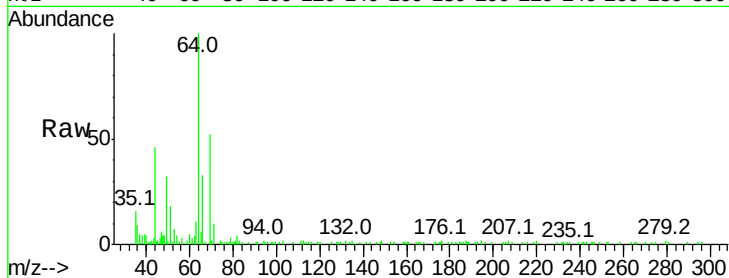
VSTD00189

Tgt Ion: 64 Resp: 28685

Ion Ratio Lower Upper

64 100

66 32.6 21.3 39.5



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0

2.66

10000

8000

6000

4000

2000

0

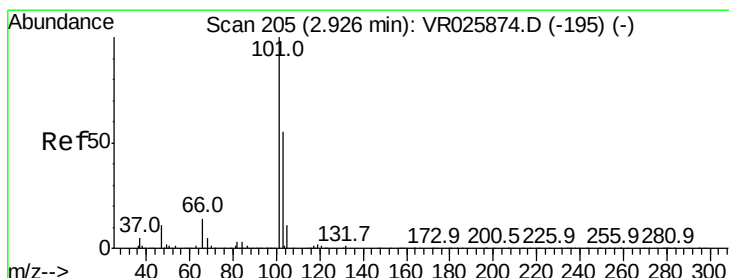
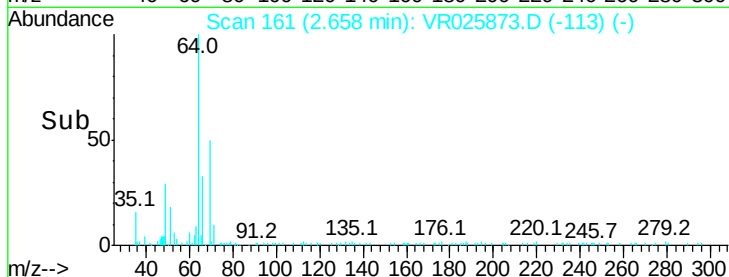
Time-->

2.50

2.60

2.70

2.80



#9

Trichlorofluoromethane

Concen: 0.385 ug/L

RT: 2.94 min Scan# 207

Delta R.T. 0.01 min

Lab File: VR025873.D

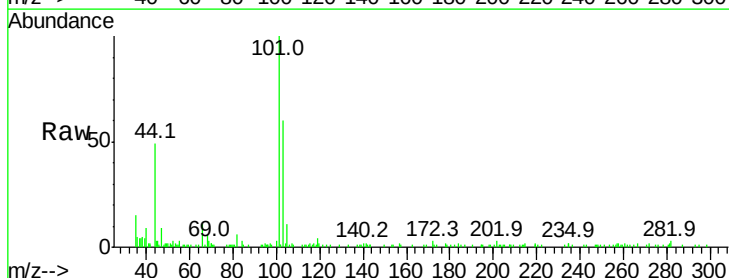
Acq: 27 Sep 2018 13:02

Tgt Ion: 101 Resp: 26068

Ion Ratio Lower Upper

101 100

103 55.1 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

10000

8000

6000

4000

2000

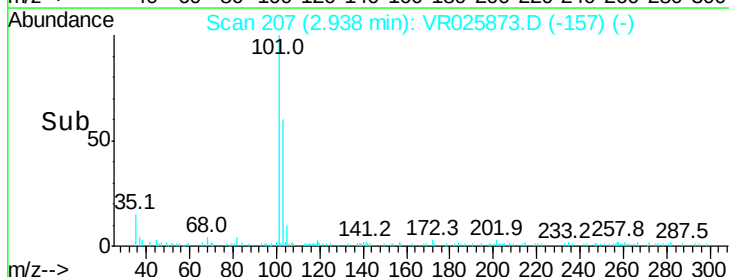
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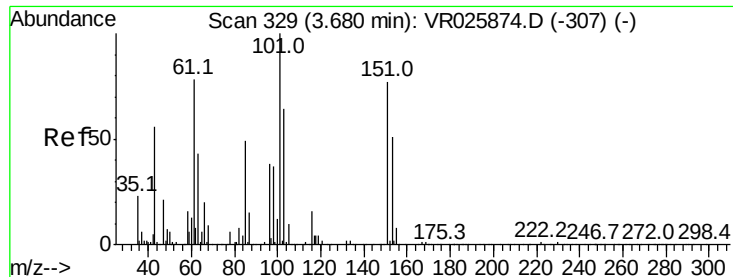
Time-->

2.85

2.90

2.95





#10

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

Concen: 0.999 ug/L

RT: 3.69 min Scan# 331

Delta R.T. 0.01 min

Lab File: VR025873.D

Acq: 27 Sep 2018 13:02

Instrument :

MSVOA_R

ClientSampleId :

VSTD00189

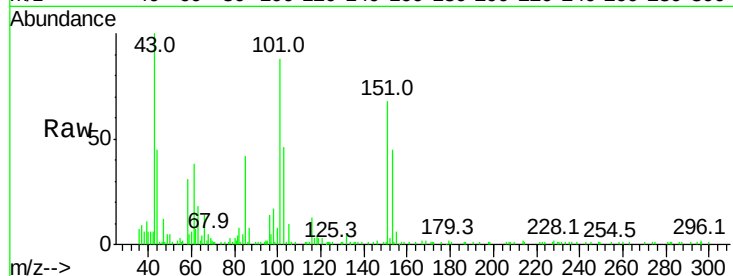
Tgt Ion:101 Resp: 41162

Ion Ratio Lower Upper

101 100

85 47.0 38.2 57.4

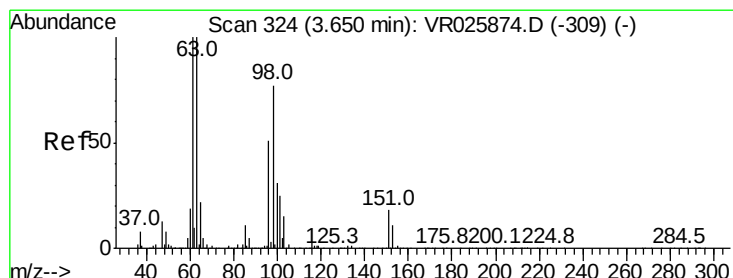
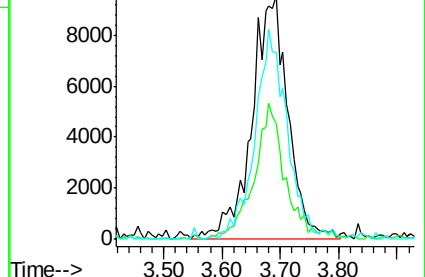
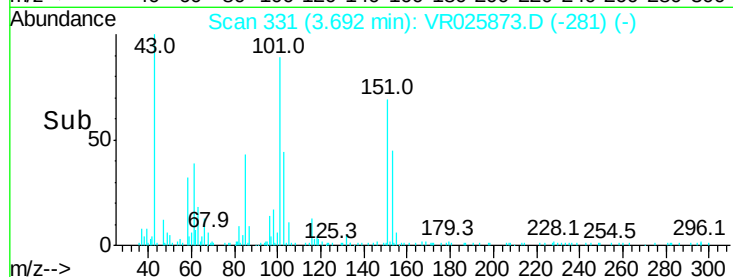
151 75.6 58.4 87.6



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: 0.964 ug/L

RT: 3.64 min Scan# 323

Delta R.T. -0.01 min

Lab File: VR025873.D

Acq: 27 Sep 2018 13:02

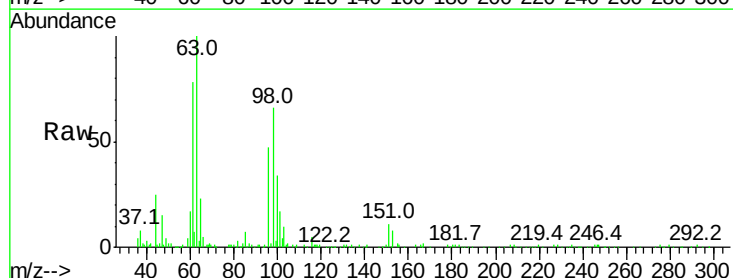
Tgt Ion: 96 Resp: 42244

Ion Ratio Lower Upper

96 100

61 168.2 145.0 269.4

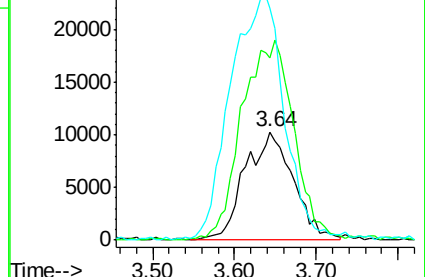
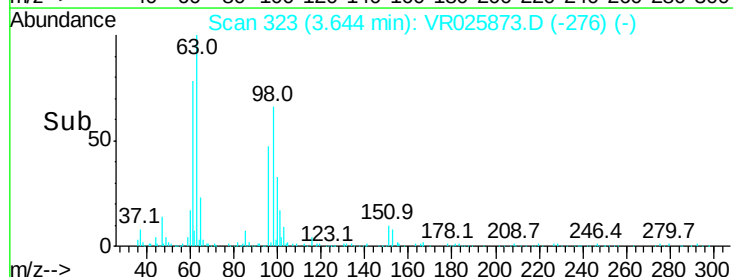
63 214.3 123.8 230.0

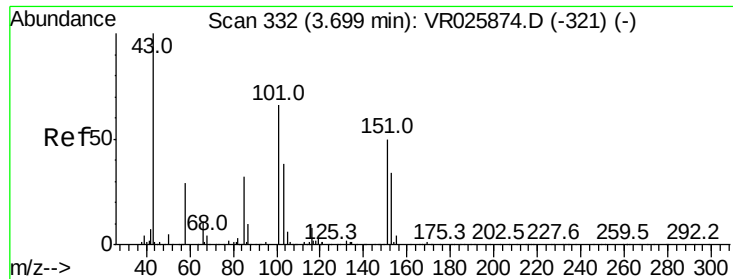


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 11.488 ug/L

RT: 3.70 min Scan# 332

Delta R.T. -0.00 min

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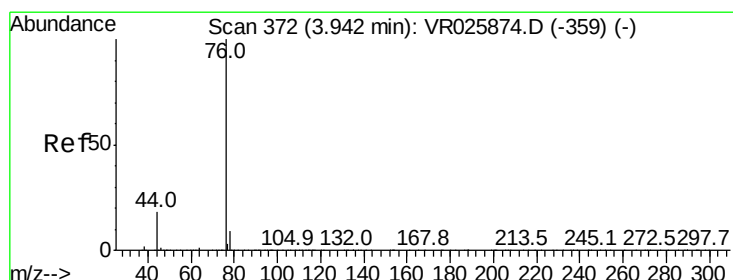
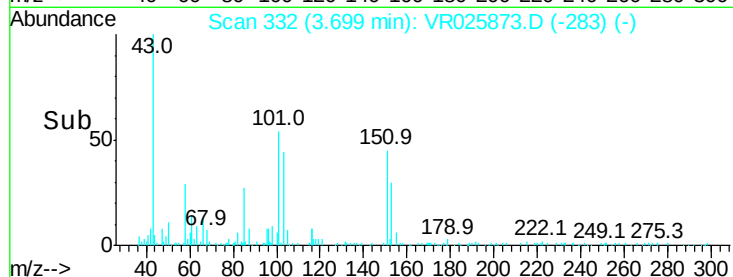
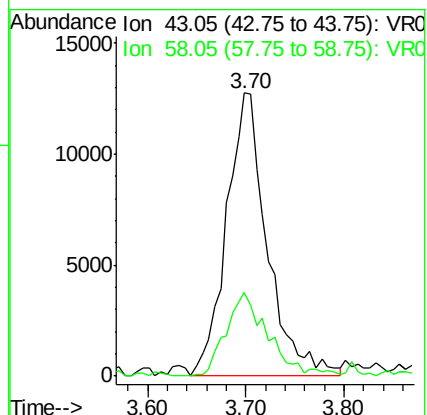
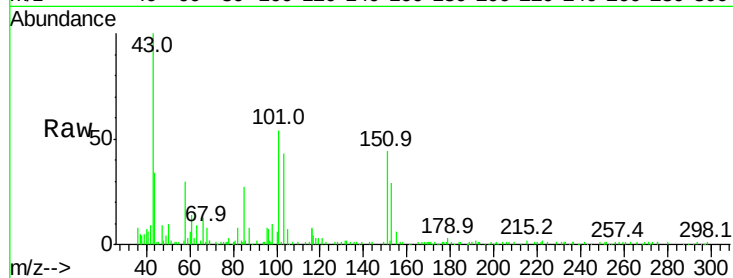
VSTD00189

Tgt Ion: 43 Resp: 36762

Ion Ratio Lower Upper

43 100

58 29.9 0.0 51.4



#14

Carbon disulfide

Concen: 0.774 ug/L

RT: 3.95 min Scan# 373

Delta R.T. -0.01 min

Lab File: VR025873.D

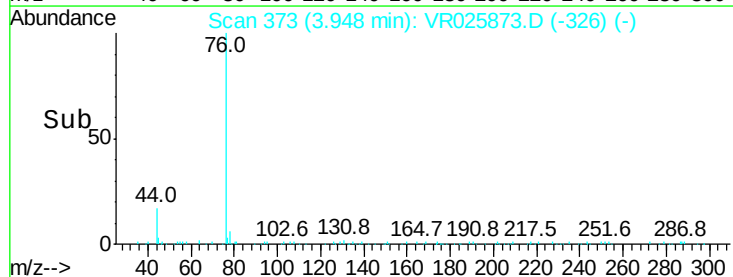
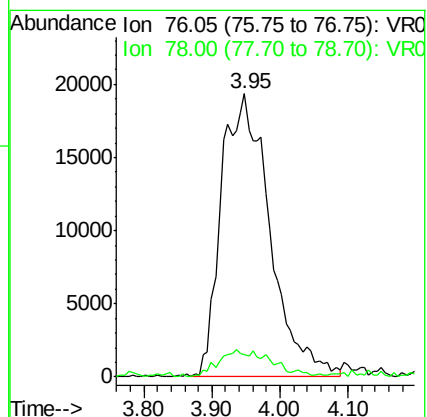
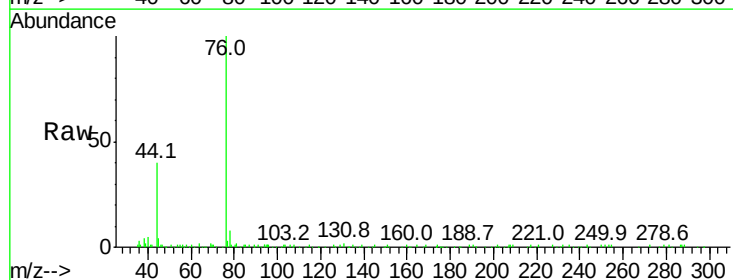
Acq: 27 Sep 2018 13:02

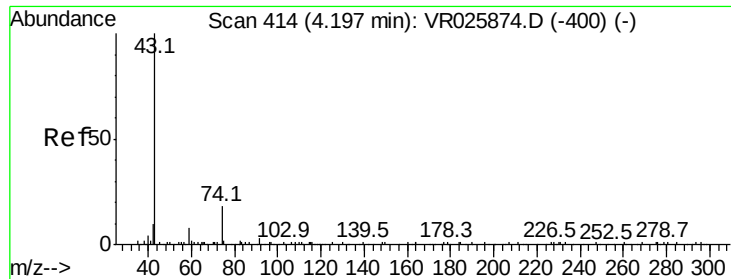
Tgt Ion: 76 Resp: 95428

Ion Ratio Lower Upper

76 100

78 7.9 7.0 10.6

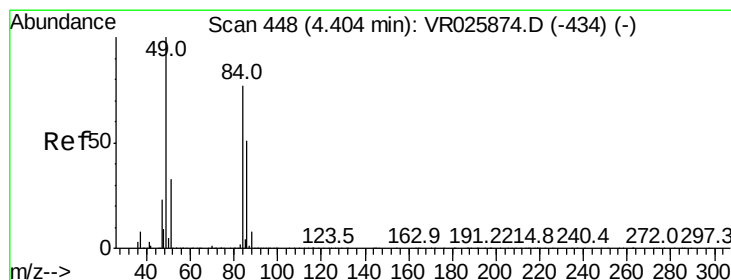
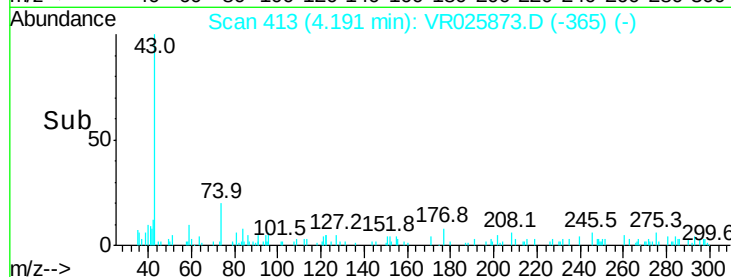
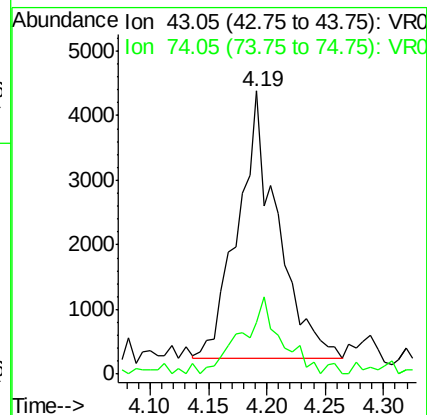
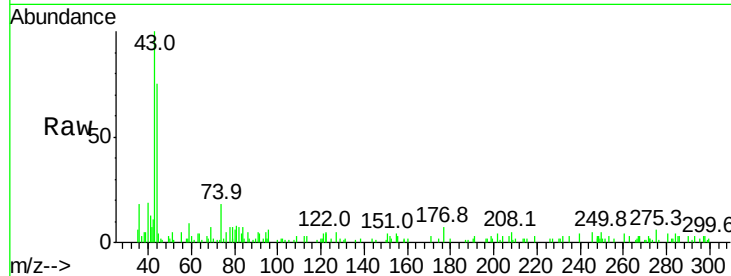




#15
Methyl Acetate
Concen: 0.942 ug/L
RT: 4.19 min Scan# 413
Delta R.T. -0.01 min
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Acq: 27 Sep 2018 13:02

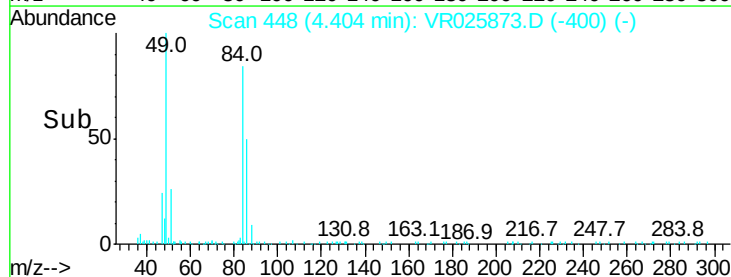
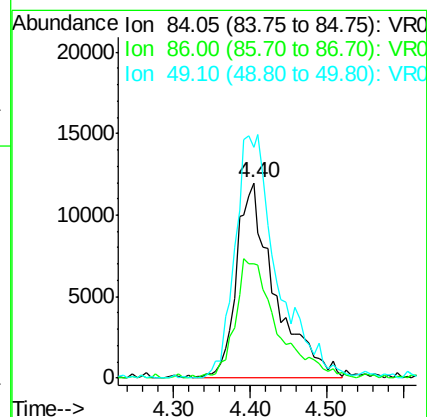
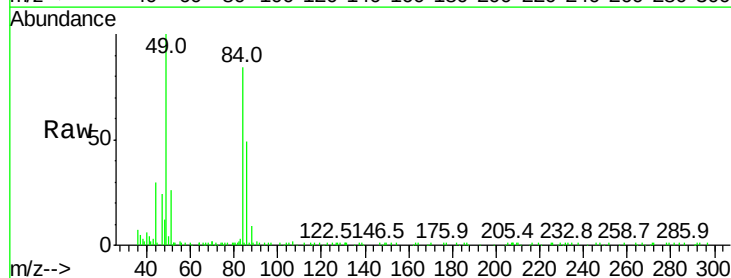
Instrument :
MSVOA_R
ClientSampleId :
VSTD00189

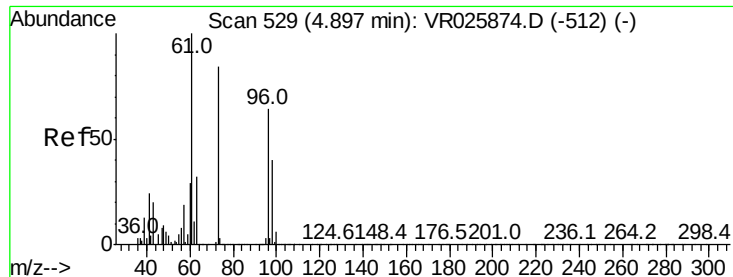
Tgt Ion: 43 Resp: 9673
Ion Ratio Lower Upper
43 100
74 28.4 19.0 28.4



#16
Methylene chloride
Concen: 1.069 ug/L
RT: 4.40 min Scan# 448
Delta R.T. -0.01 min
Lab File: VR025873.D
Acq: 27 Sep 2018 13:02

Tgt Ion: 84 Resp: 42107
Ion Ratio Lower Upper
84 100
86 58.4 43.1 80.1
49 118.2 95.5 177.3





#17

Methyl tert-butyl Ether

Concen: 0.597 ug/L

RT: 4.89 min Scan# 528

Delta R.T. -0.01 min

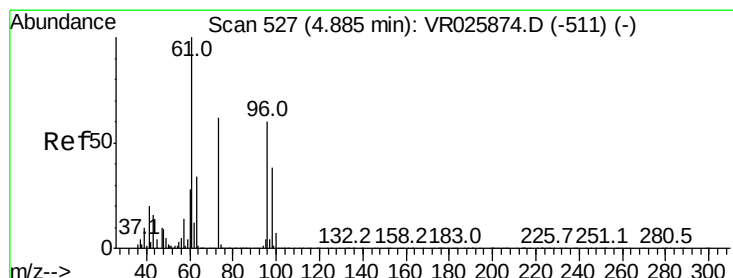
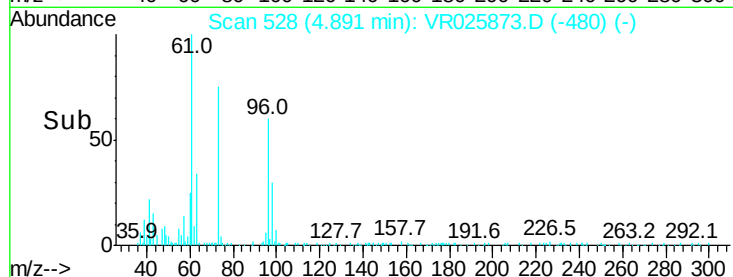
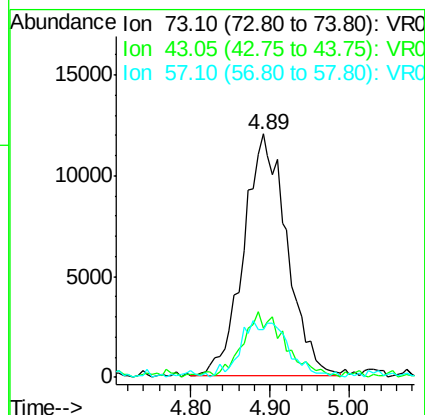
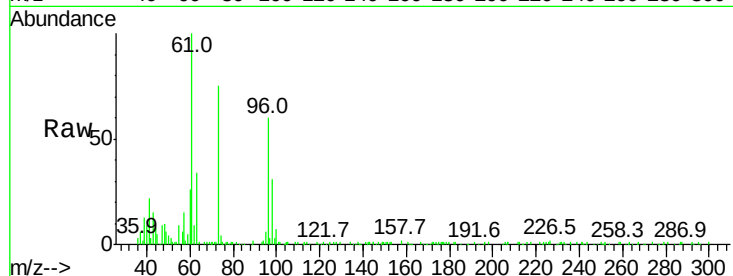
Lab File: VR025873.D

Acq: 27 Sep 2018 13:02

Instrument :
MSVOA_R
ClientSampleId :
VSTD00189

Tgt Ion: 73 Resp: 45788

Ion	Ratio	Lower	Upper
73	100		
43	26.2	19.8	29.8
57	12.2	17.9	26.9#



#18

trans-1,2-Dichloroethene

Concen: 0.692 ug/L

RT: 4.88 min Scan# 526

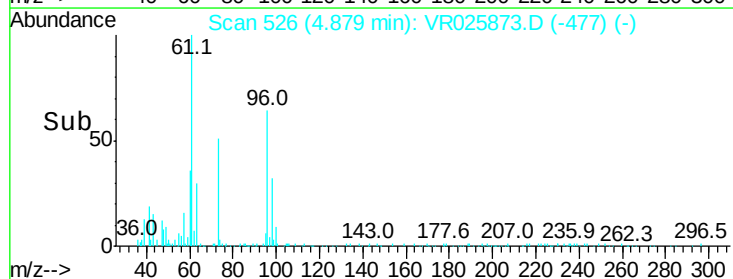
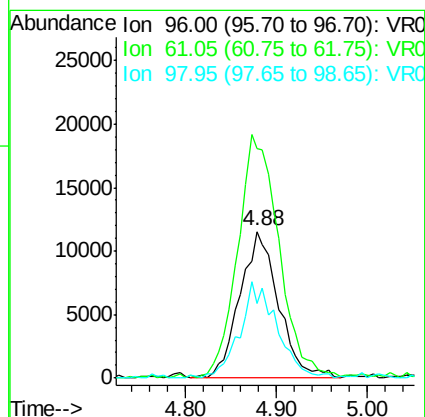
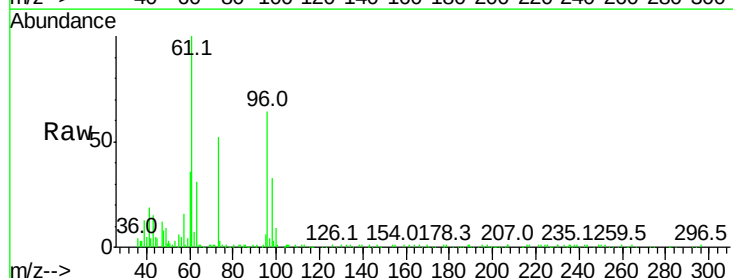
Delta R.T. -0.00 min

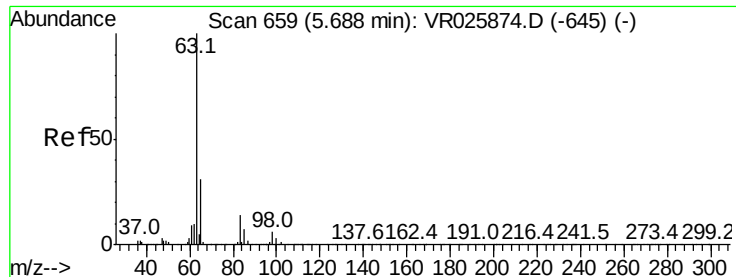
Lab File: VR025873.D

Acq: 27 Sep 2018 13:02

Tgt Ion: 96 Resp: 34289

Ion	Ratio	Lower	Upper
96	100		
61	156.6	127.4	236.6
98	51.2	43.8	81.3

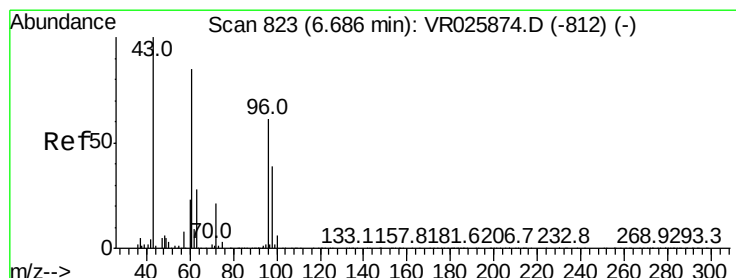
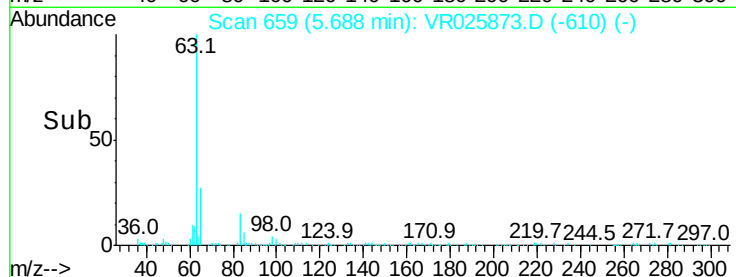
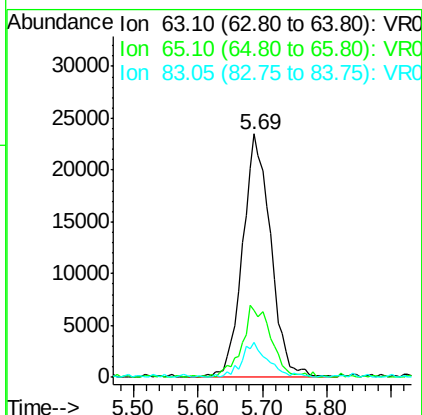
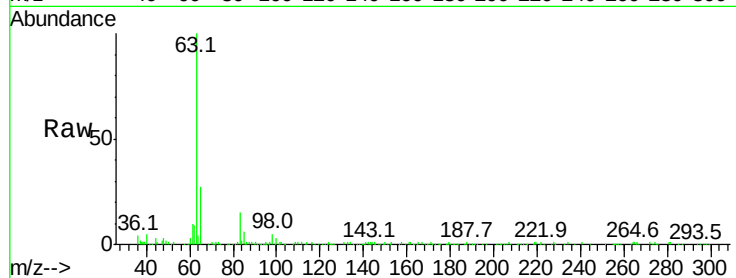




#19
 1,1-Dichloroethane
 Concen: 0.692 ug/L
 RT: 5.69 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VR025873.D
 Acq: 27 Sep 2018 13:02

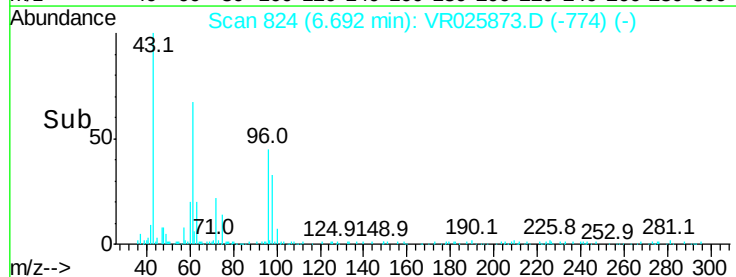
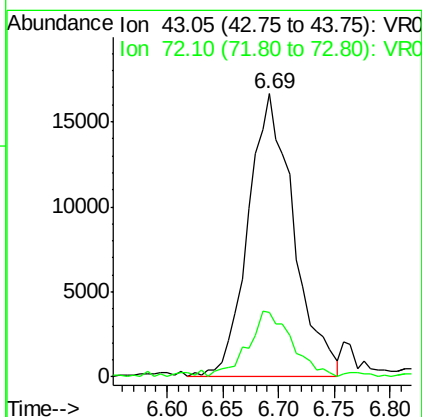
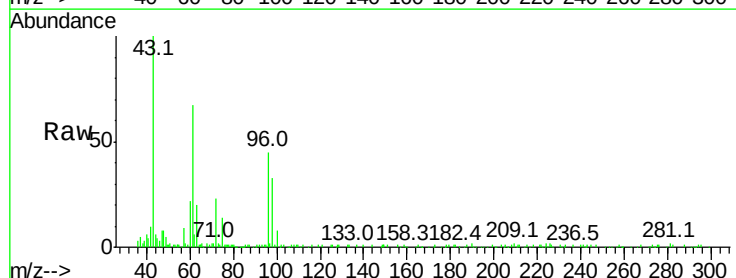
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00189

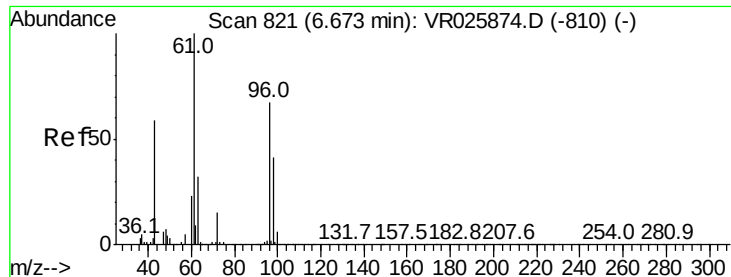
Tgt Ion: 63 Resp: 70122
 Ion Ratio Lower Upper
 63 100
 65 27.5 21.1 39.1
 83 14.6 8.9 16.5



#21
 2-Butanone
 Concen: 7.046 ug/L
 RT: 6.69 min Scan# 824
 Delta R.T. 0.01 min
 Lab File: VR025873.D
 Acq: 27 Sep 2018 13:02

Tgt Ion: 43 Resp: 46990
 Ion Ratio Lower Upper
 43 100
 72 22.5 11.9 35.7



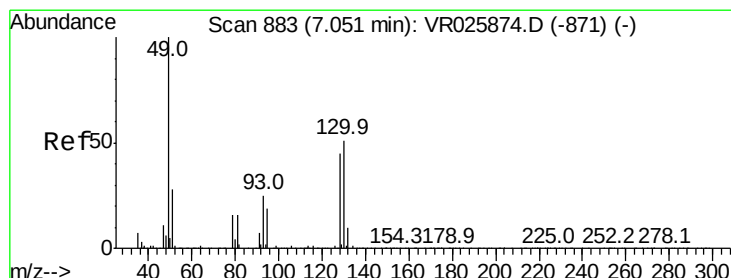
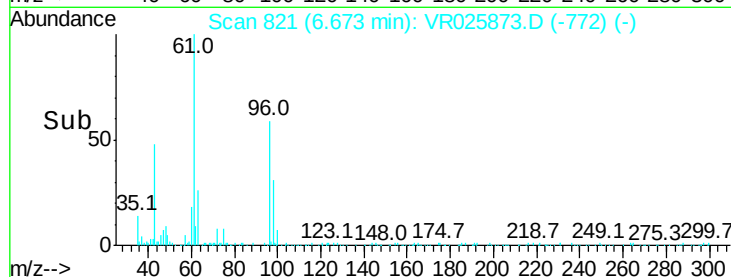
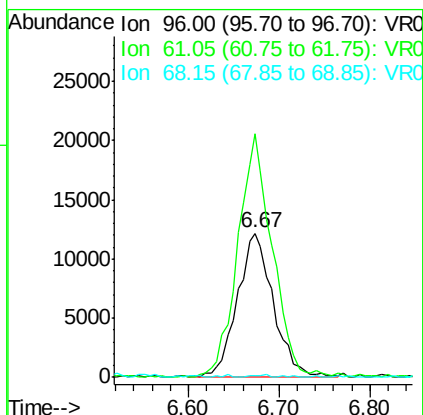
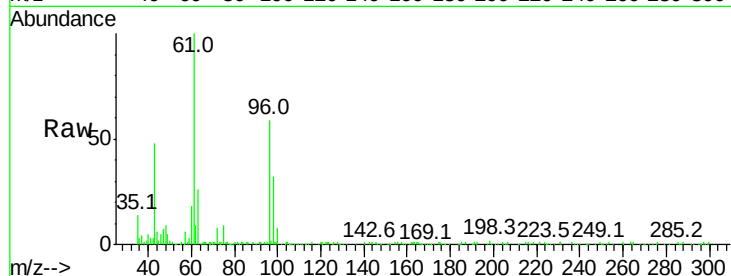


#22

cis-1,2-Dichloroethene
Concen: 0.661 ug/L
RT: 6.67 min Scan# 821
Delta R.T. -0.00 min
Lab File: VR025873.D
Acq: 27 Sep 2018 13:02

Instrument :
MSVOA_R
ClientSampled :
VSTD00189

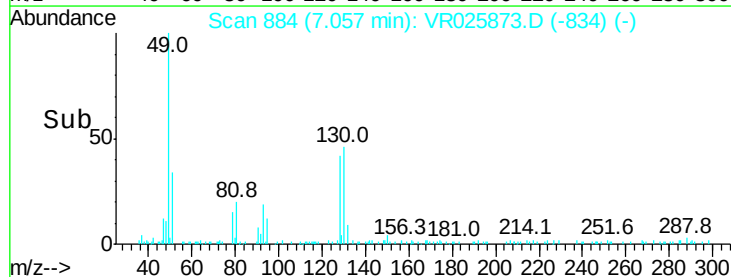
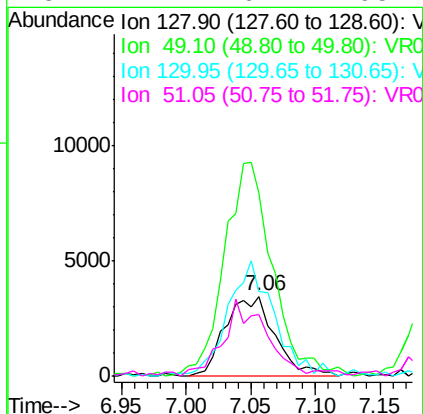
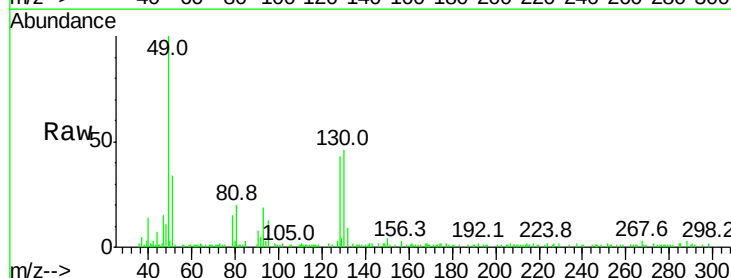
Tgt Ion: 96 Resp: 32998
Ion Ratio Lower Upper
96 100
61 168.9 108.7 201.9
68 1.5 0.1 0.1#

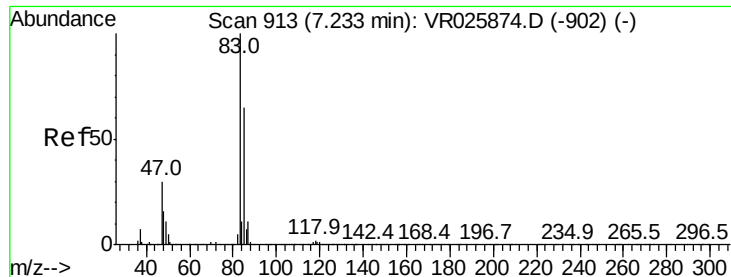


#23

Bromochloromethane
Concen: 0.701 ug/L
RT: 7.06 min Scan# 884
Delta R.T. 0.01 min
Lab File: VR025873.D
Acq: 27 Sep 2018 13:02

Tgt Ion: 128 Resp: 9223
Ion Ratio Lower Upper
128 100
49 229.9 175.0 325.0
130 105.6 85.6 159.0
51 77.4 62.2 93.2

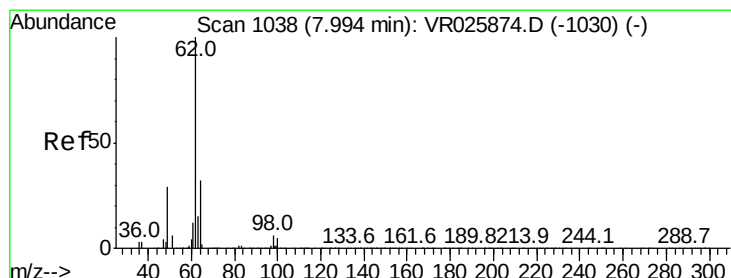
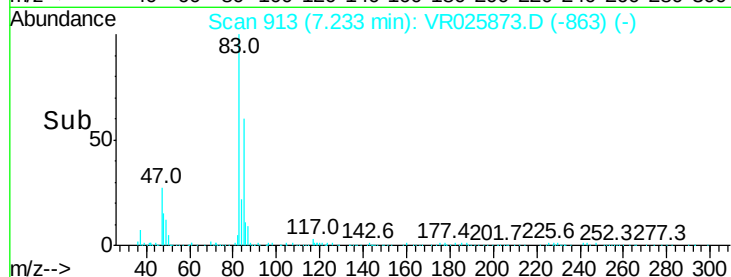
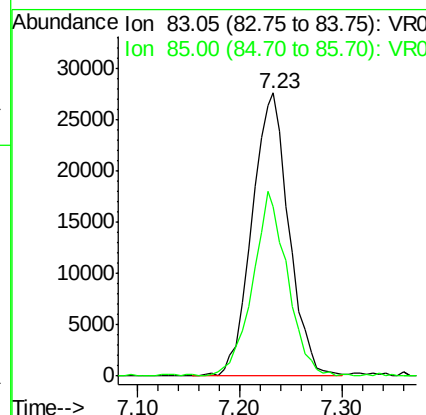
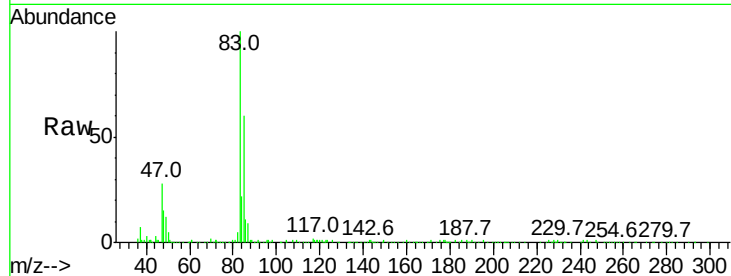




#25
Chloroform
Concen: 0.743 ug/L
RT: 7.23 min Scan# 913
Delta R.T. 0.01 min
Lab File: VR025873.D
Acq: 27 Sep 2018 13:02

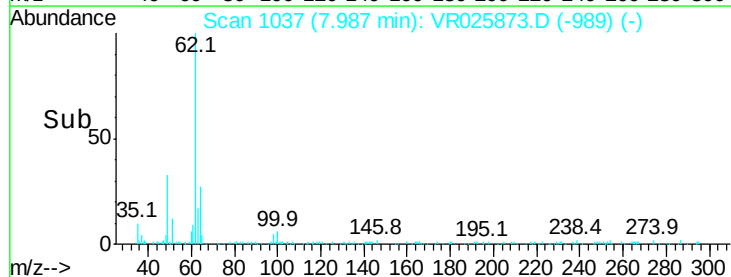
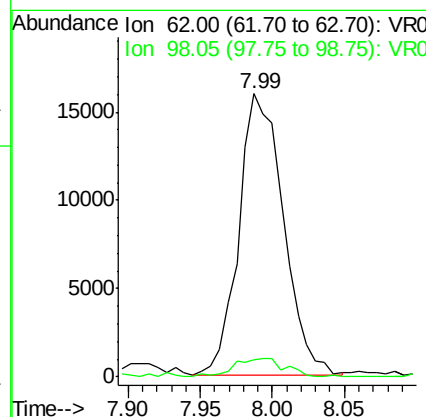
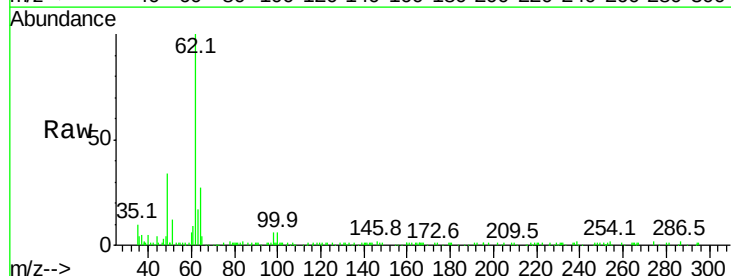
Instrument :
MSVOA_R
ClientSampleId :
VSTD00189

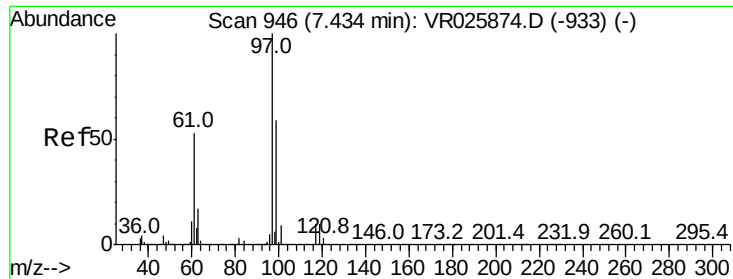
Tgt Ion: 83 Resp: 69242
Ion Ratio Lower Upper
83 100
85 59.7 43.8 81.4



#27
1,2-Dichloroethane
Concen: 0.706 ug/L
RT: 7.99 min Scan# 1037
Delta R.T. -0.01 min
Lab File: VR025873.D
Acq: 27 Sep 2018 13:02

Tgt Ion: 62 Resp: 34014
Ion Ratio Lower Upper
62 100
98 5.9 5.2 7.8





#29

1,1,1-Trichloroethane

Concen: 0.578 ug/L

RT: 7.43 min Scan# 945

Delta R.T. -0.00 min

Lab File: VR025873.D

Acq: 27 Sep 2018 13:02

Instrument :

MSVOA_R

ClientSampleId :

VSTD00189

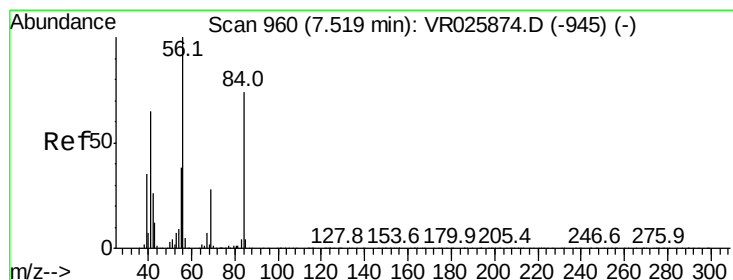
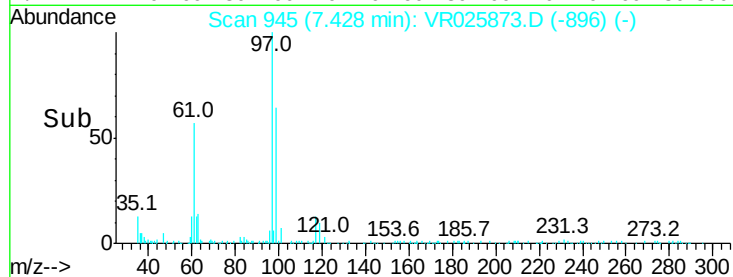
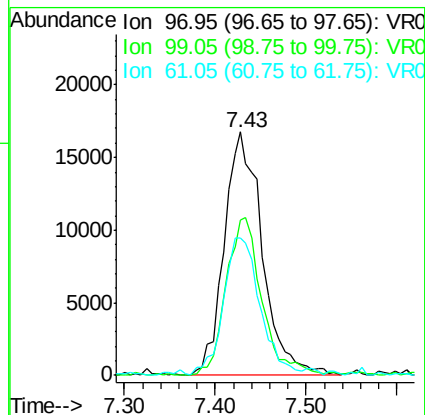
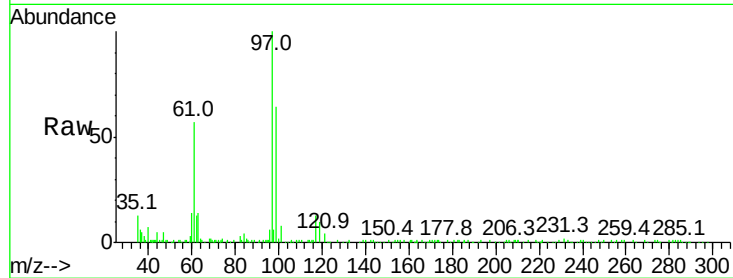
Tgt Ion: 97 Resp: 48835

Ion Ratio Lower Upper

97 100

99 60.9 51.0 76.6

61 54.1 41.6 62.4



#30

Cyclohexane

Concen: 0.599 ug/L

RT: 7.53 min Scan# 961

Delta R.T. 0.01 min

Lab File: VR025873.D

Acq: 27 Sep 2018 13:02

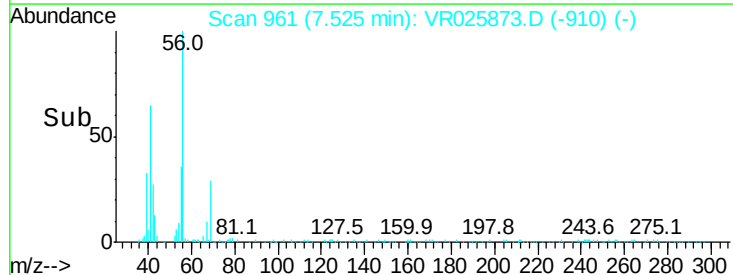
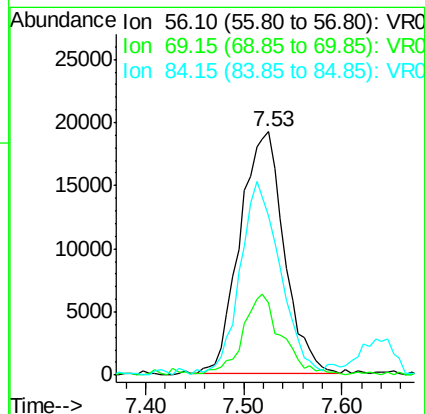
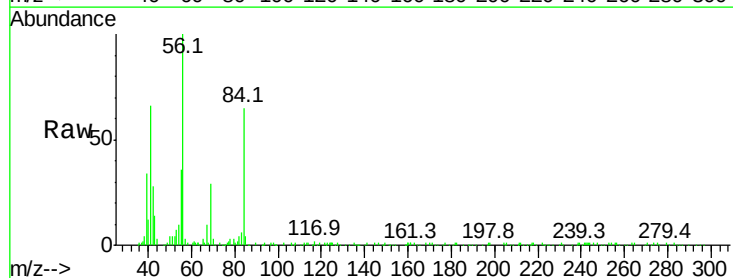
Tgt Ion: 56 Resp: 60291

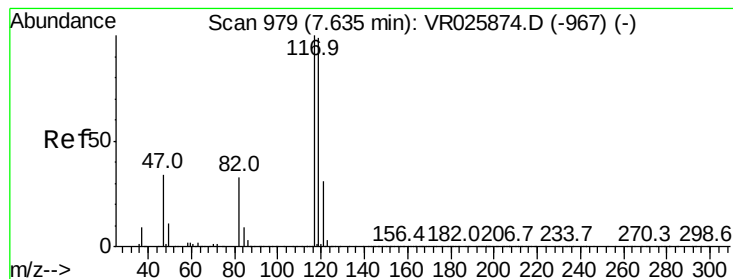
Ion Ratio Lower Upper

56 100

69 29.4 24.8 37.2

84 72.6 59.8 89.8





#31

Carbon tetrachloride

Concen: 0.585 ug/L

RT: 7.64 min Scan# 980

Delta R.T. 0.01 min

Lab File: VR025873.D

Acq: 27 Sep 2018 13:02

Instrument :

MSVOA_R

ClientSampleId :

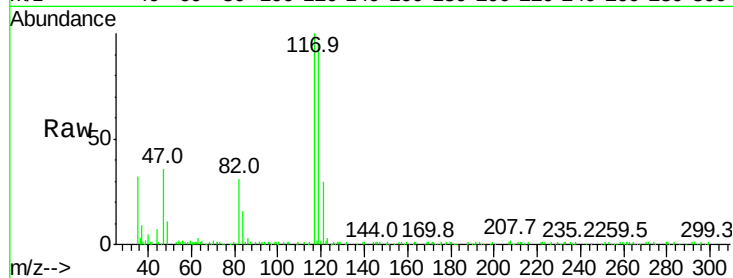
VSTD00189

Tgt Ion:117 Resp: 40662

Ion Ratio Lower Upper

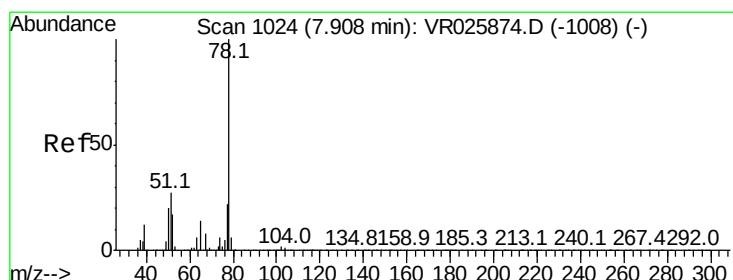
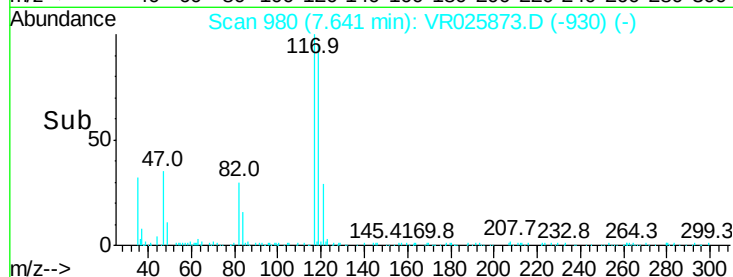
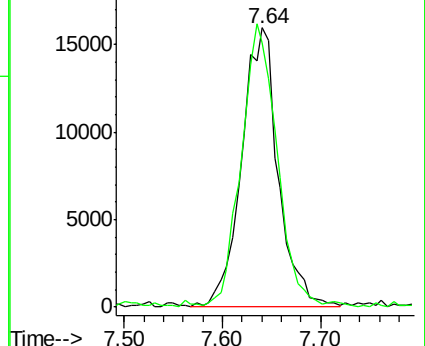
117 100

119 98.9 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: 0.699 ug/L

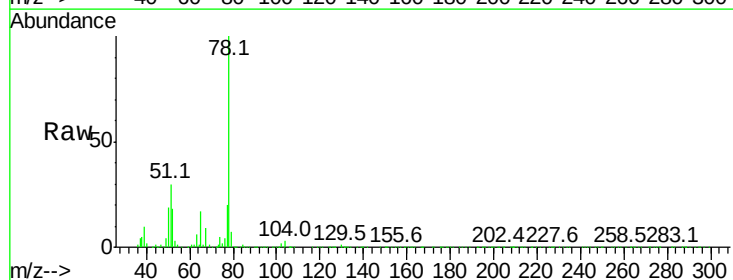
RT: 7.90 min Scan# 1023

Delta R.T. -0.00 min

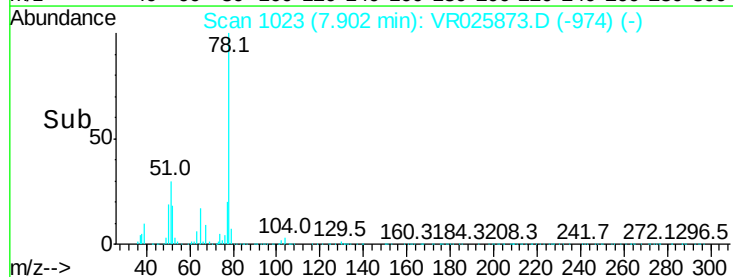
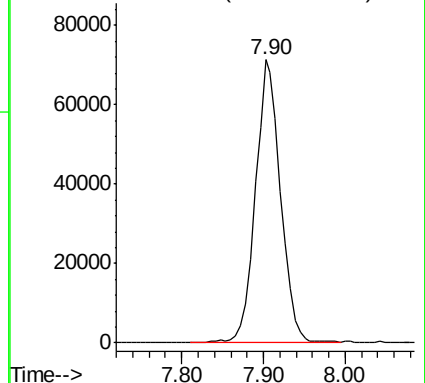
Lab File: VR025873.D

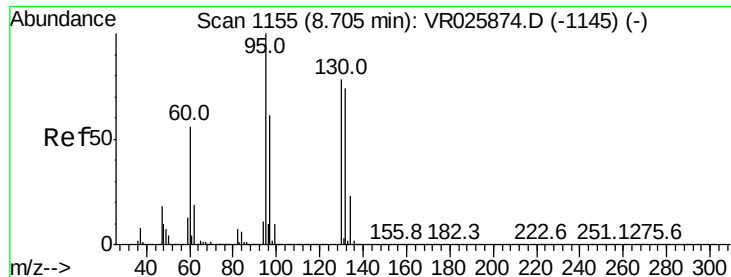
Acq: 27 Sep 2018 13:02

Tgt Ion: 78 Resp: 153393



Abundance Ion 78.10 (77.80 to 78.80): VR0

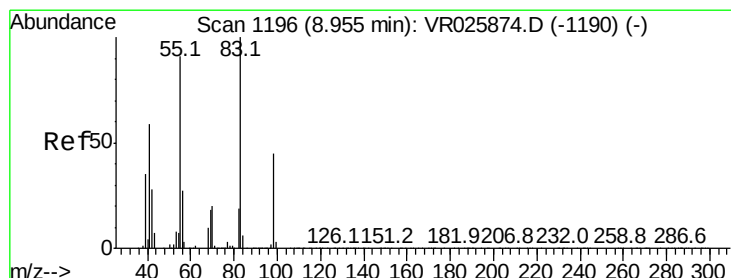
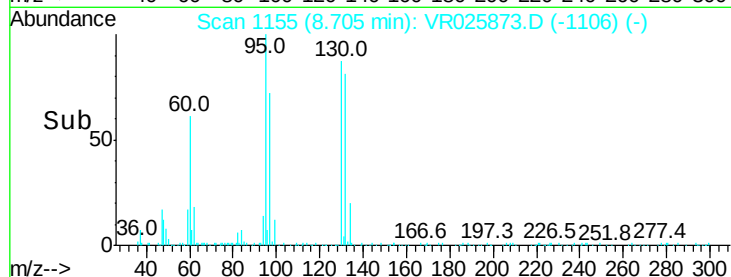
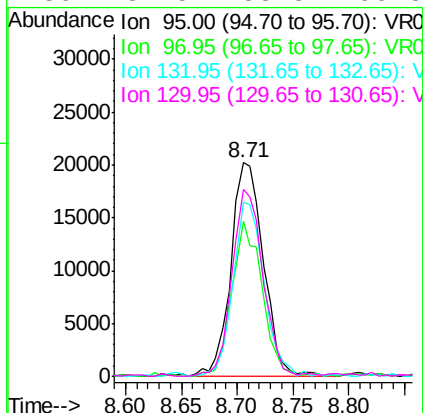
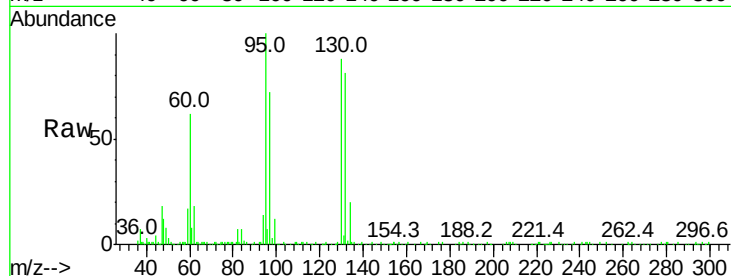




#34
 Trichloroethene
 Concen: 0.700 ug/L
 RT: 8.71 min Scan# 1155
 Delta R.T. -0.00 min
 Lab File: VR025873.D
 Acq: 27 Sep 2018 13:02

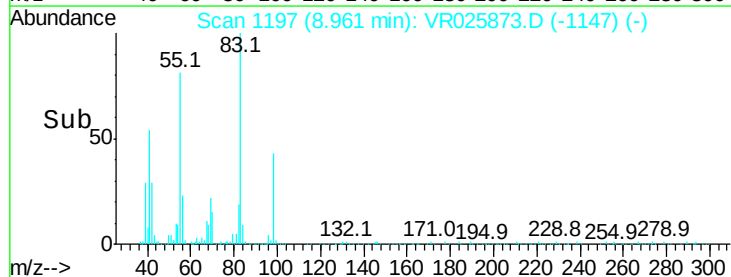
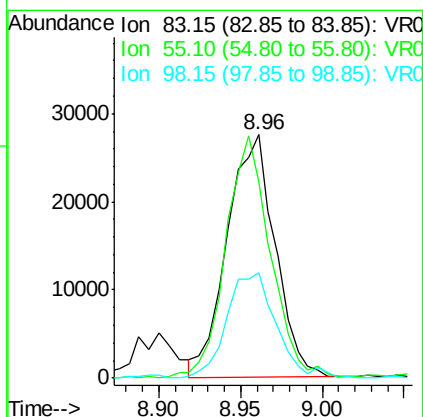
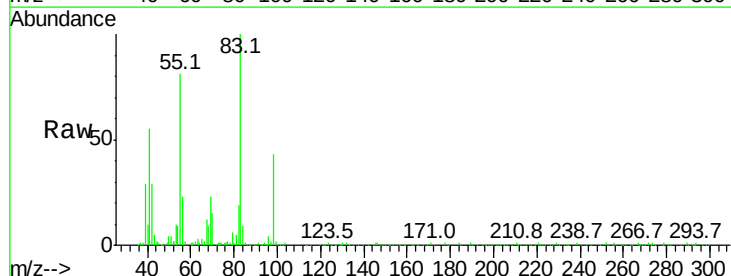
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00189

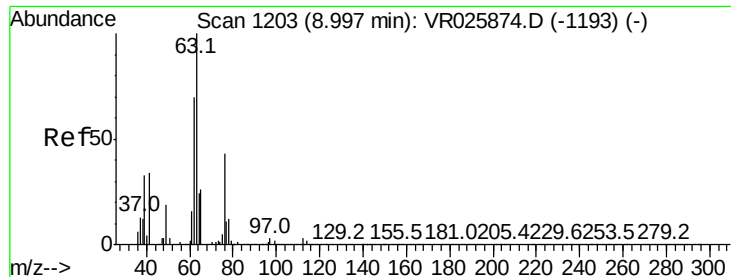
Tgt Ion:	95	Resp:	40768
Ion	Ratio	Lower	Upper
95	100		
97	72.3	43.9	81.5
132	81.3	53.3	98.9
130	87.5	53.8	99.8



#35
 Methylcyclohexane
 Concen: 0.586 ug/L
 RT: 8.96 min Scan# 1197
 Delta R.T. 0.01 min
 Lab File: VR025873.D
 Acq: 27 Sep 2018 13:02

Tgt Ion:	83	Resp:	55995
Ion	Ratio	Lower	Upper
83	100		
55	93.7	71.8	107.6
98	45.0	34.2	51.4





#37

1,2-Dichloropropane

Concen: 0.670 ug/L

RT: 9.00 min Scan# 1203

Delta R.T. 0.01 min

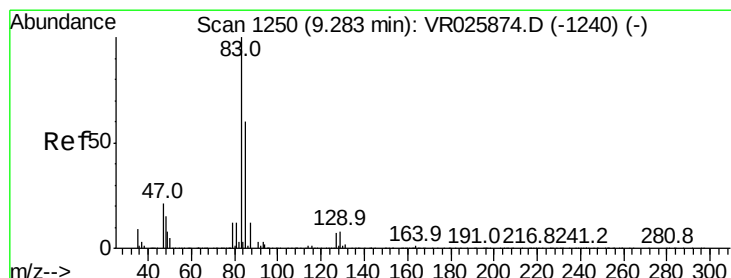
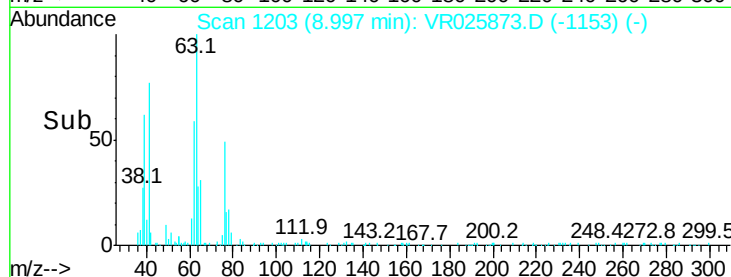
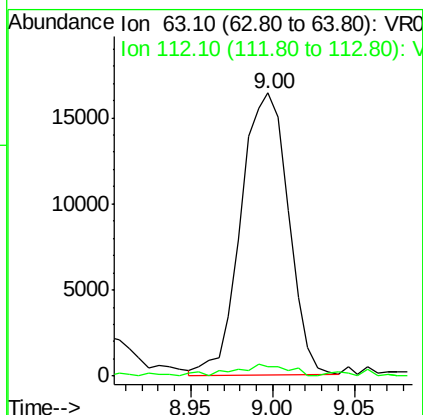
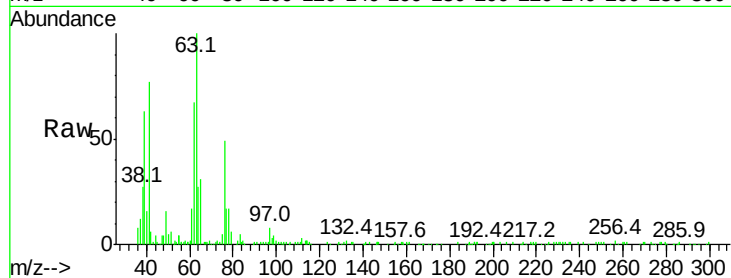
Lab File: VR025873.D

Acq: 27 Sep 2018 13:02

Instrument :
MSVOA_R
ClientSampleId :
VSTD00189

Tgt Ion: 63 Resp: 32813

Ion	Ratio	Lower	Upper
63	100		
112	4.4	2.5	3.7#



#38

Bromodichloromethane

Concen: 0.607 ug/L

RT: 9.28 min Scan# 1250

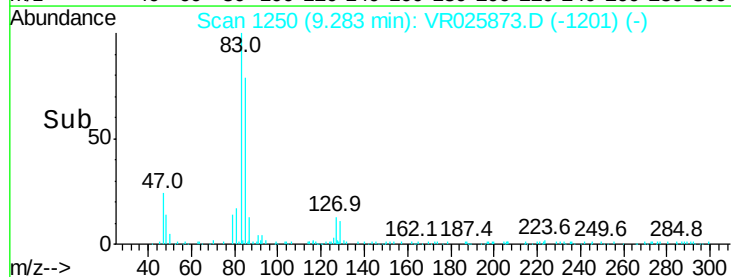
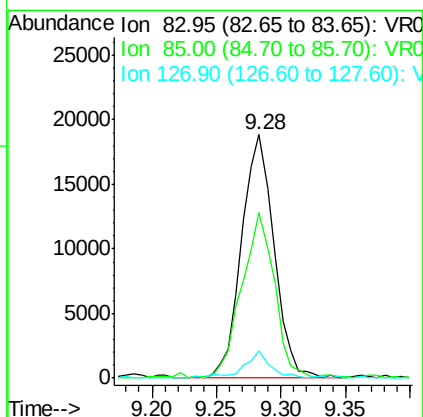
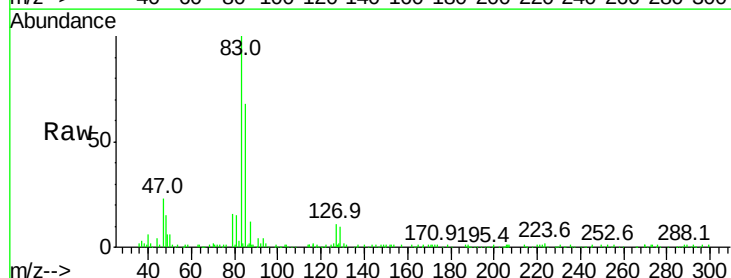
Delta R.T. -0.00 min

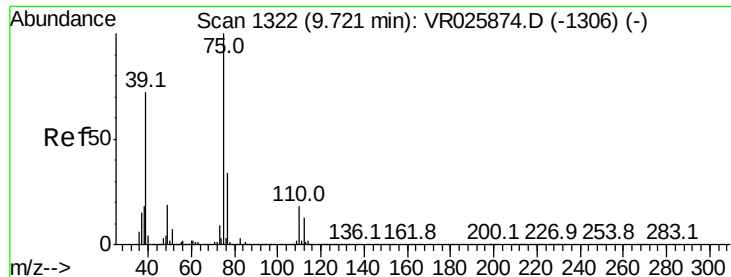
Lab File: VR025873.D

Acq: 27 Sep 2018 13:02

Tgt Ion: 83 Resp: 32786

Ion	Ratio	Lower	Upper
83	100		
85	67.8	42.8	79.4
127	12.5	5.6	8.4#





#39

cis-1,3-Dichloropropene

Concen: 0.546 ug/L

RT: 9.72 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VR025873.D

Acq: 27 Sep 2018 13:02

Instrument :

MSVOA_R

ClientSampleId :

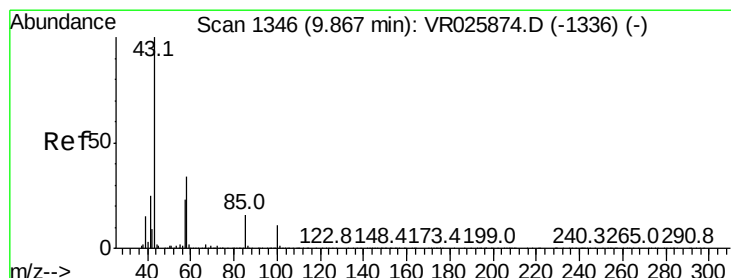
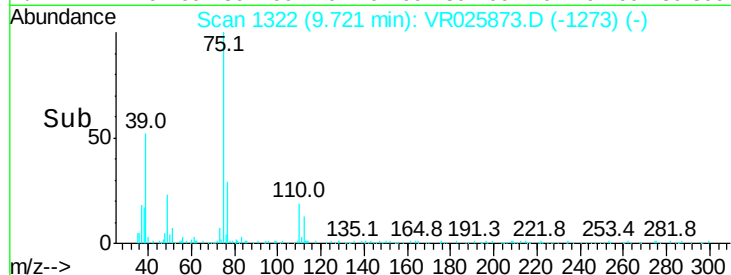
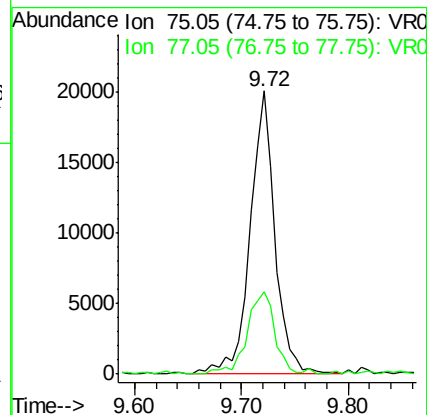
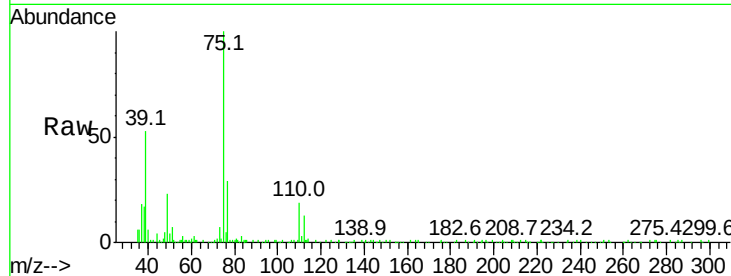
VSTD00189

Tgt Ion: 75 Resp: 32731

Ion Ratio Lower Upper

75 100

77 29.0 21.5 39.9



#40

4-Methyl-2-pentanone

Concen: 6.522 ug/L

RT: 9.87 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VR025873.D

Acq: 27 Sep 2018 13:02

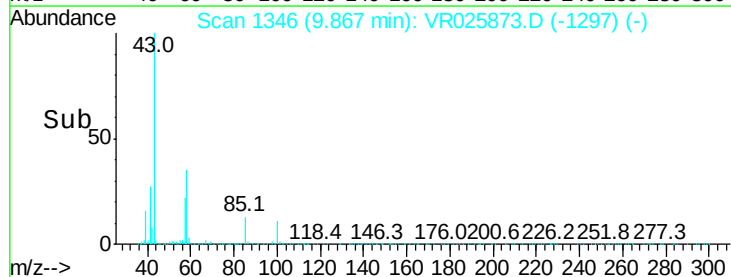
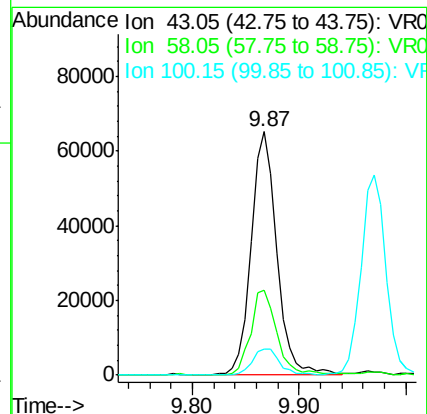
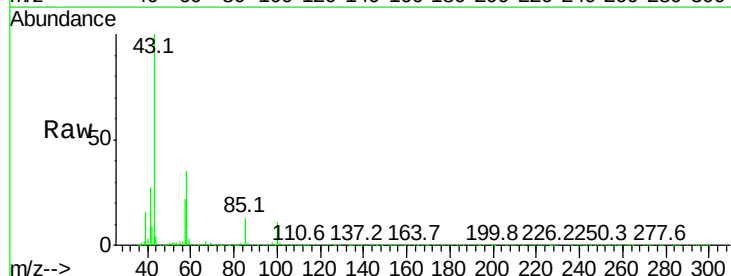
Tgt Ion: 43 Resp: 111147

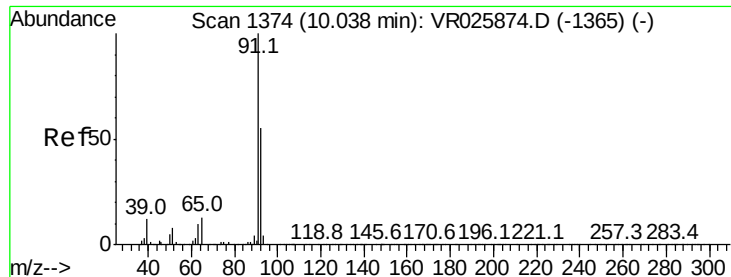
Ion Ratio Lower Upper

43 100

58 36.1 28.6 43.0

100 11.6 9.0 13.4





#42

Toluene

Concen: 0.691 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. 0.01 min

Lab File: VR025873.D

Acq: 27 Sep 2018 13:02

Instrument :

MSVOA_R

ClientSampleId :

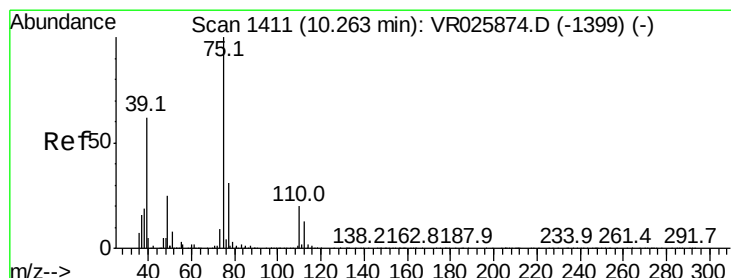
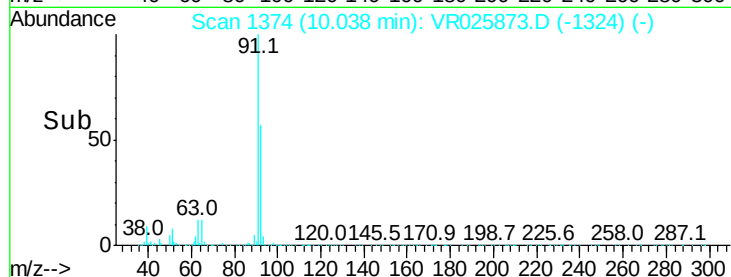
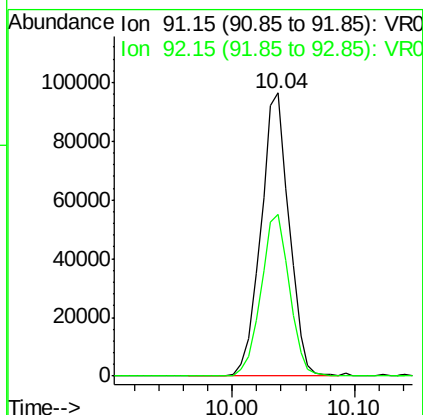
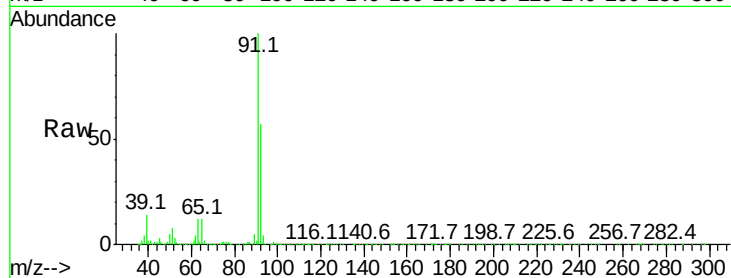
VSTD00189

Tgt Ion: 91 Resp: 154698

Ion Ratio Lower Upper

91 100

92 57.4 41.8 77.6



#44

trans-1,3-Dichloropropene

Concen: 0.480 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR025873.D

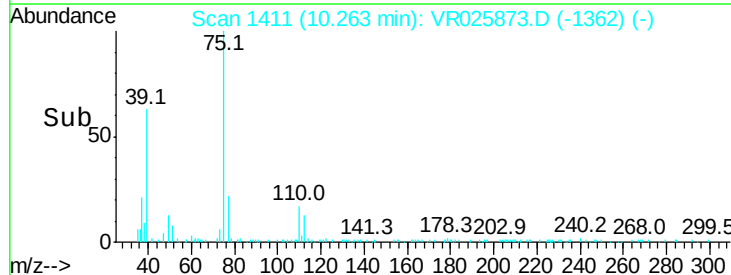
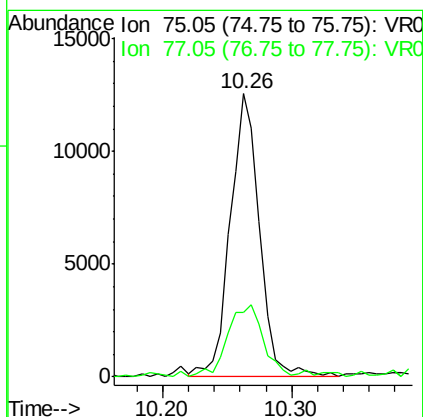
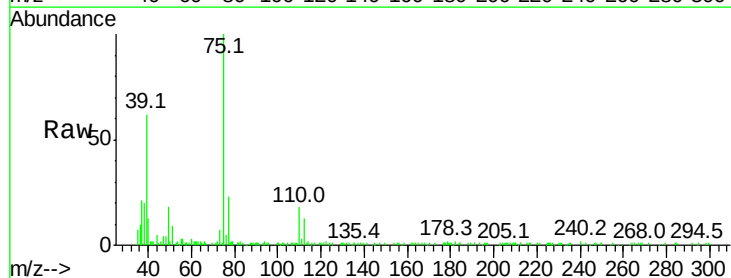
Acq: 27 Sep 2018 13:02

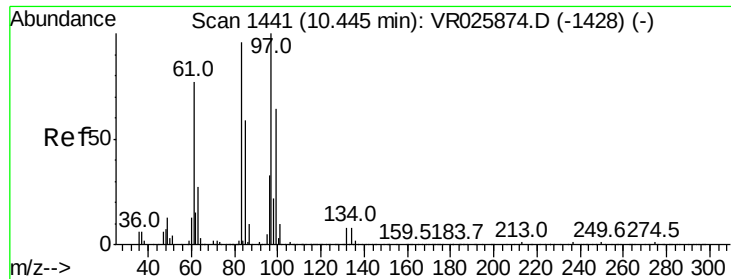
Tgt Ion: 75 Resp: 19933

Ion Ratio Lower Upper

75 100

77 23.0 23.0 42.8#





#45

1,1,2-Trichloroethane

Concen: 0.790 ug/L

RT: 10.45 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VR025873.D

Acq: 27 Sep 2018 13:02

Instrument :

MSVOA_R

ClientSampled :

VSTD00189

Tgt Ion: 97 Resp: 16220

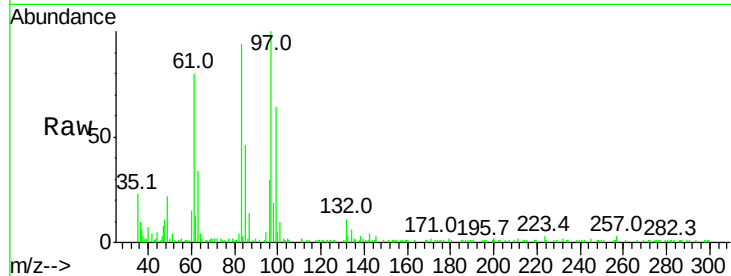
Ion Ratio Lower Upper

97 100

99 64.2 39.6 73.6

83 93.8 62.2 115.6

85 46.2 39.1 72.7

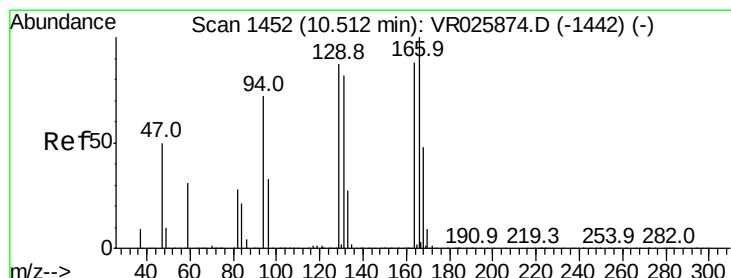
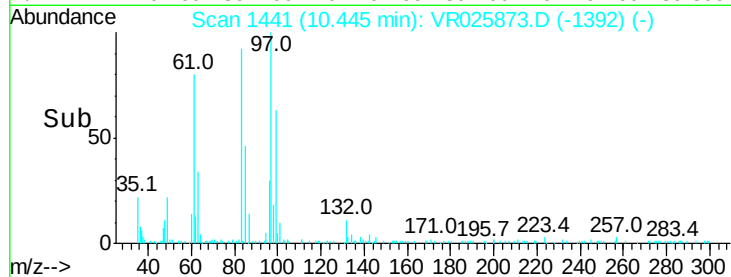
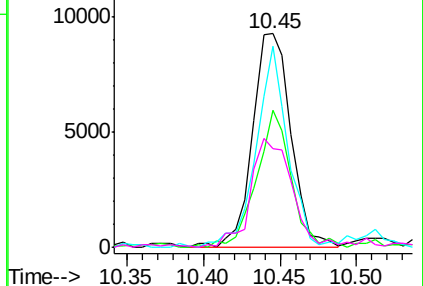


Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0



#47

Tetrachloroethene

Concen: 0.724 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VR025873.D

Acq: 27 Sep 2018 13:02

Tgt Ion: 164 Resp: 24137

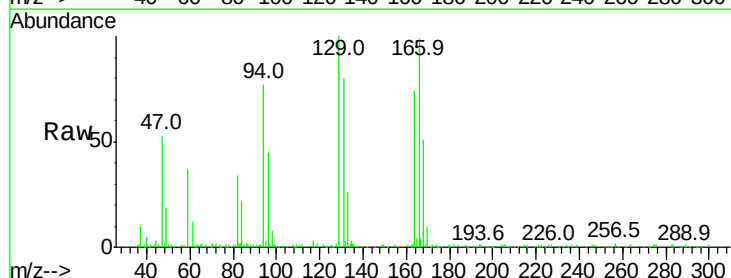
Ion Ratio Lower Upper

164 100

129 134.5 80.8 150.2

131 108.2 74.5 138.3

166 133.2 92.5 171.7

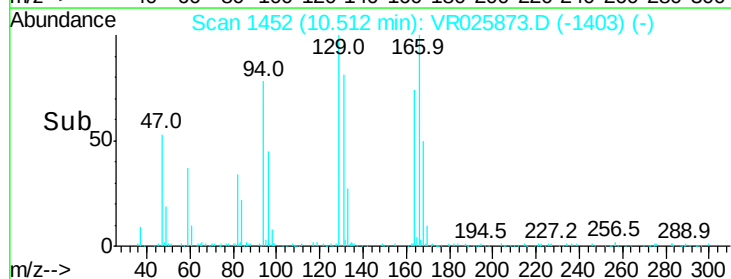
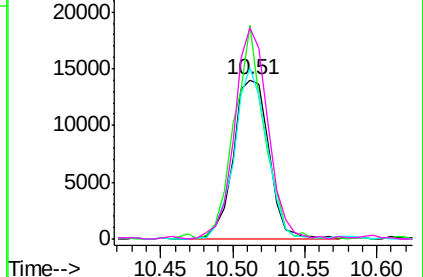


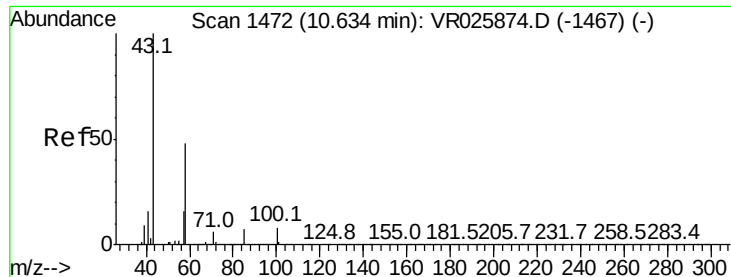
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

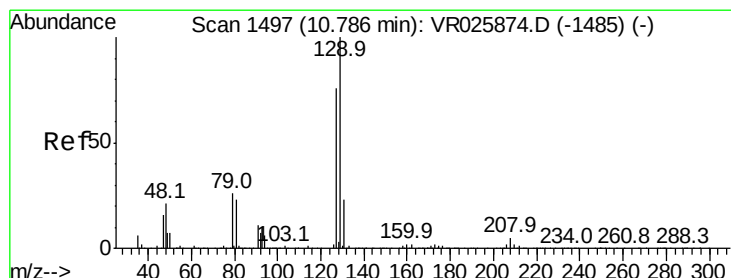
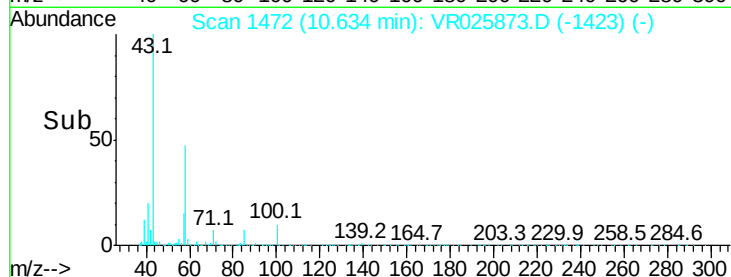
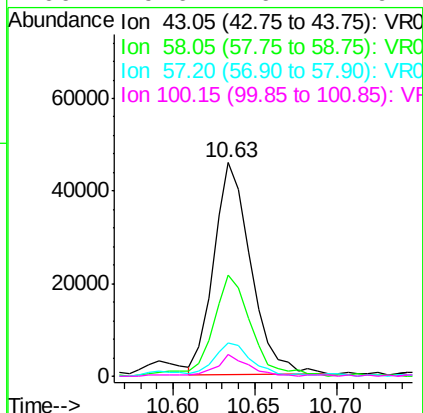
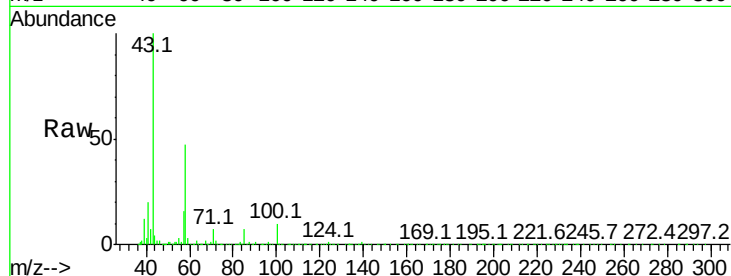




#48
2-Hexanone
Concen: 6.459 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR025873.D
Acq: 27 Sep 2018 13:02

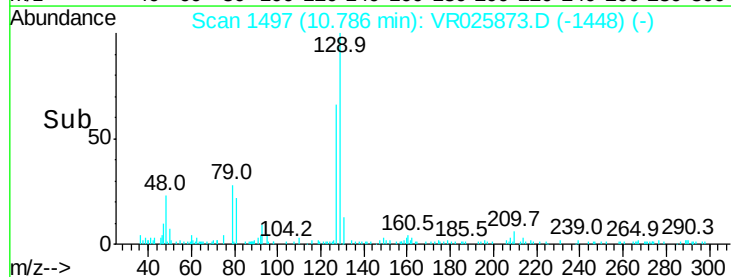
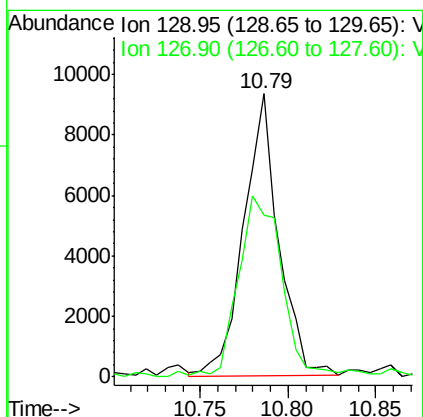
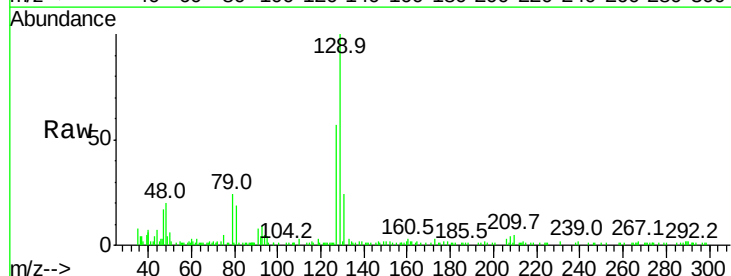
Instrument :
MSVOA_R
ClientSampleId :
VSTD00189

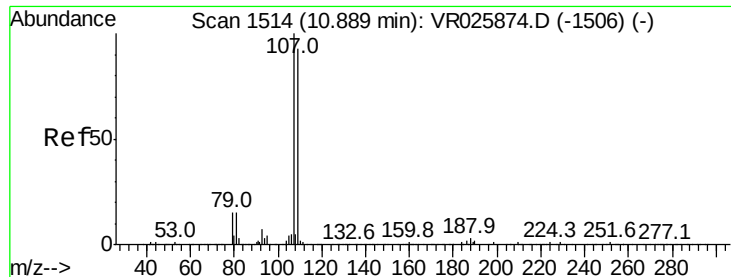
Tgt Ion:	43	Resp:	72383
Ion	Ratio	Lower	Upper
43	100		
58	50.0	39.5	59.3
57	16.1	14.6	21.8
100	9.6	6.7	10.1



#49
Dibromochloromethane
Concen: 0.602 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VR025873.D
Acq: 27 Sep 2018 13:02

Tgt Ion:	129	Resp:	12877
Ion	Ratio	Lower	Upper
129	100		
127	57.3	54.1	100.5

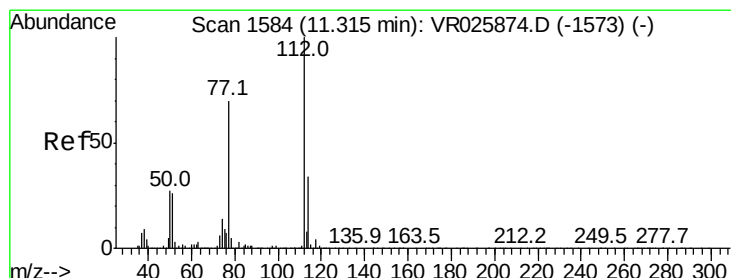
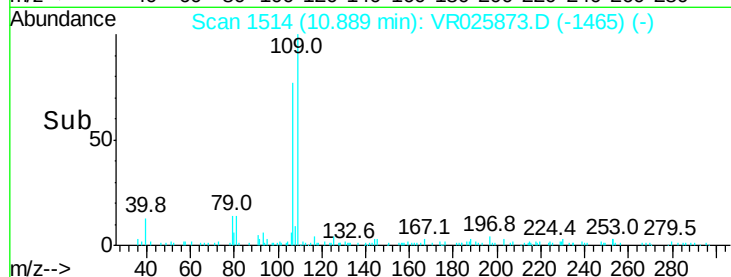
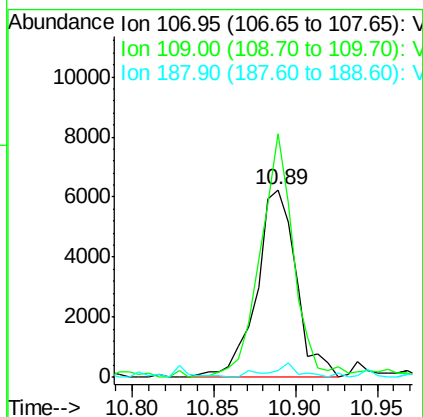
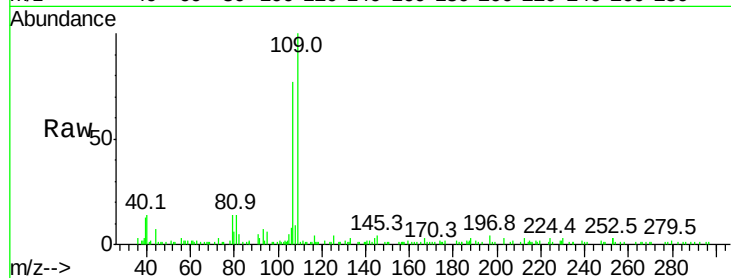




#50
 1,2-Dibromoethane
 Concen: 0.583 ug/L
 RT: 10.89 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VR025873.D
 Acq: 27 Sep 2018 13:02

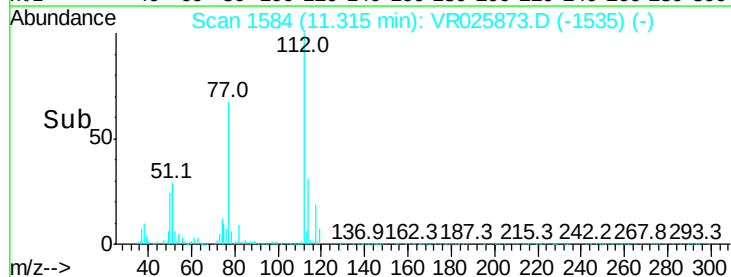
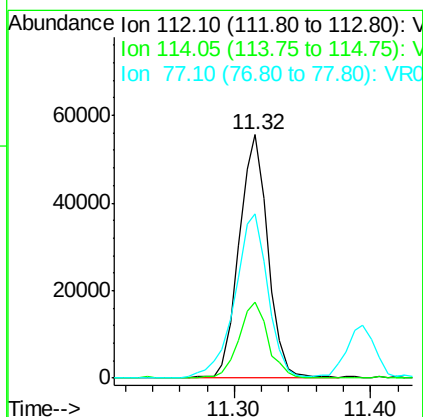
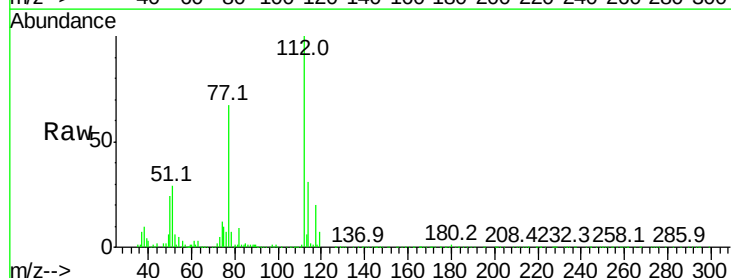
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00189

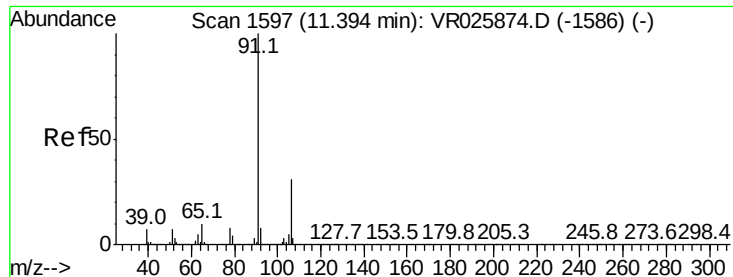
Tgt Ion:107 Resp: 10531
 Ion Ratio Lower Upper
 107 100
 109 129.7 63.5 117.9#
 188 3.5 1.7 2.5#



#51
 Chlorobenzene
 Concen: 0.698 ug/L
 RT: 11.32 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: VR025873.D
 Acq: 27 Sep 2018 13:02

Tgt Ion:112 Resp: 81985
 Ion Ratio Lower Upper
 112 100
 114 31.4 22.7 42.3
 77 67.3 58.5 87.7





#52

Ethylbenzene

Concen: 0.686 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VR025873.D

Acq: 27 Sep 2018 13:02

Instrument :

MSVOA_R

ClientSampleId :

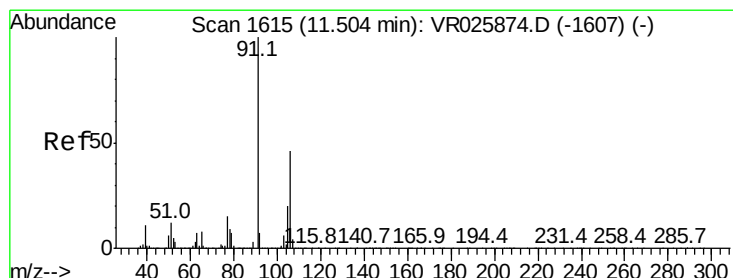
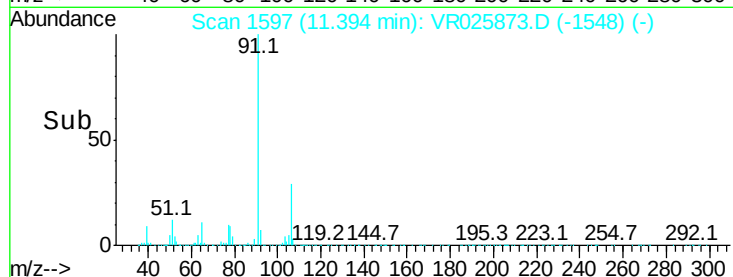
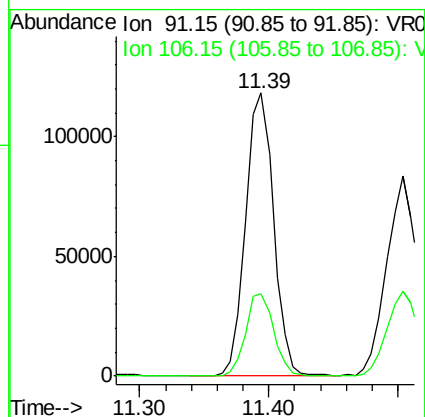
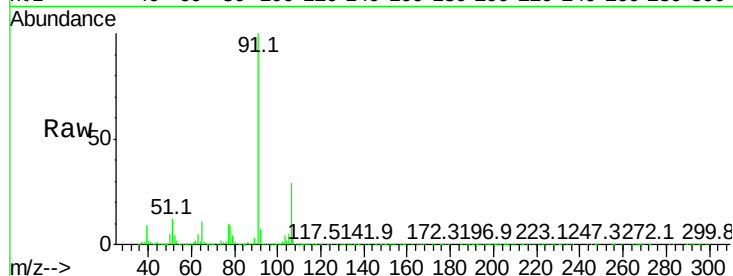
VSTD00189

Tgt Ion: 91 Resp: 176650

Ion Ratio Lower Upper

91 100

106 29.2 20.6 38.4



#53

m,p-Xylene

Concen: 0.646 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR025873.D

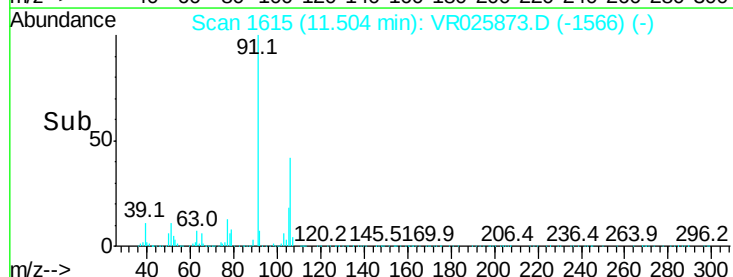
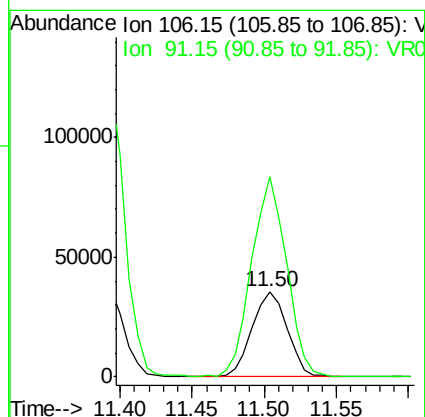
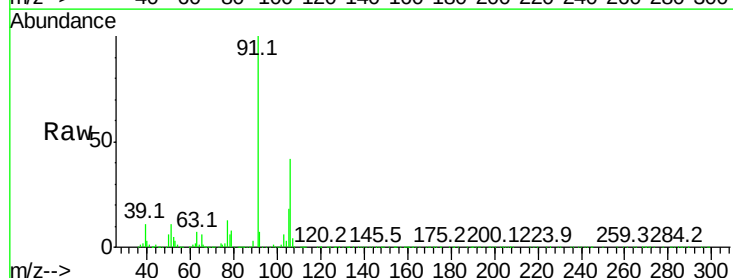
Acq: 27 Sep 2018 13:02

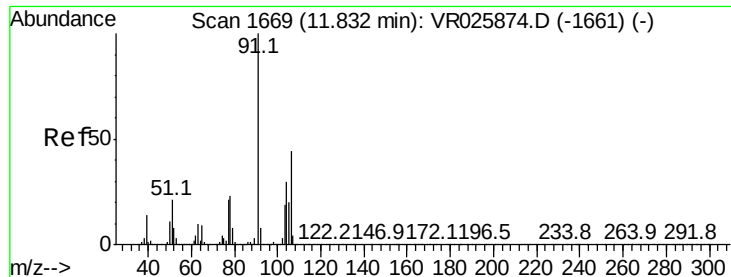
Tgt Ion: 106 Resp: 59922

Ion Ratio Lower Upper

106 100

91 235.7 159.7 296.5

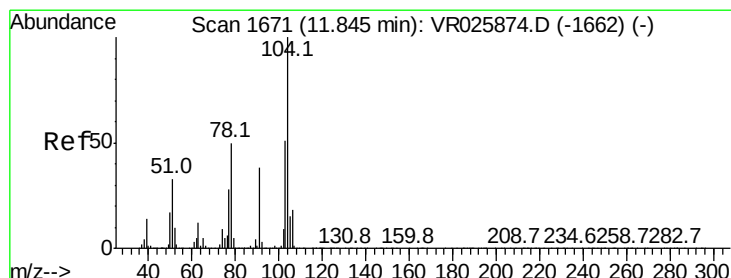
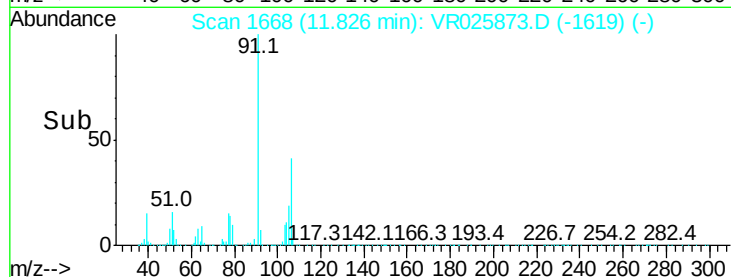
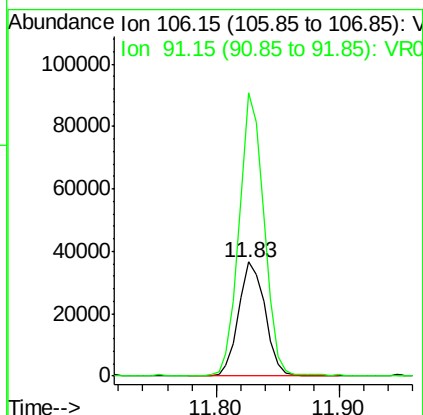
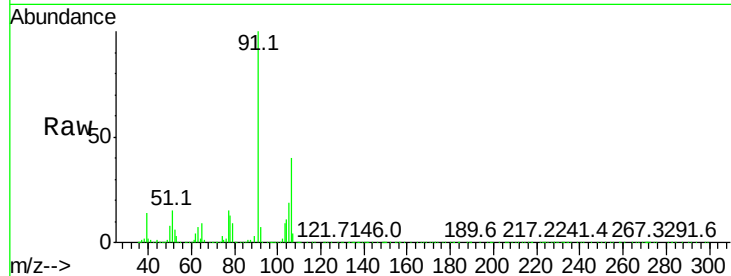




#54
o-Xylene
Concen: 0.648 ug/L
RT: 11.83 min Scan# 1668
Delta R.T. -0.00 min
Lab File: VR025873.D
Acq: 27 Sep 2018 13:02

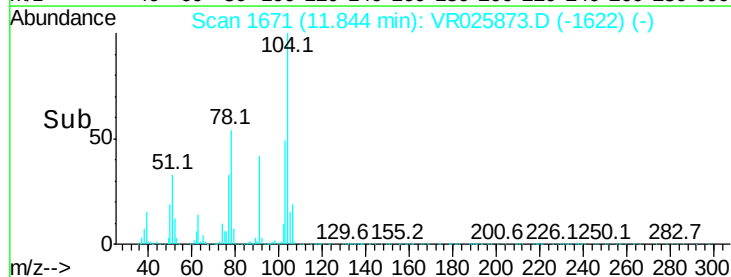
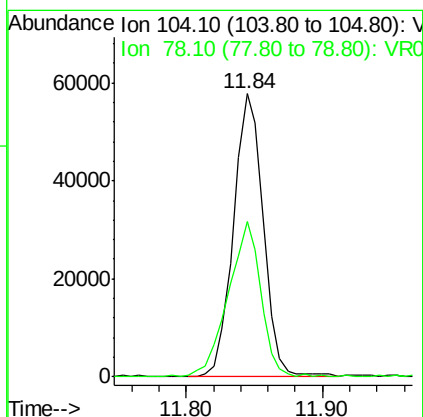
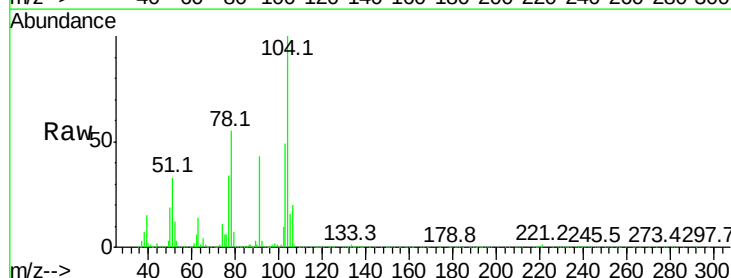
Instrument :
MSVOA_R
ClientSampleId :
VSTD00189

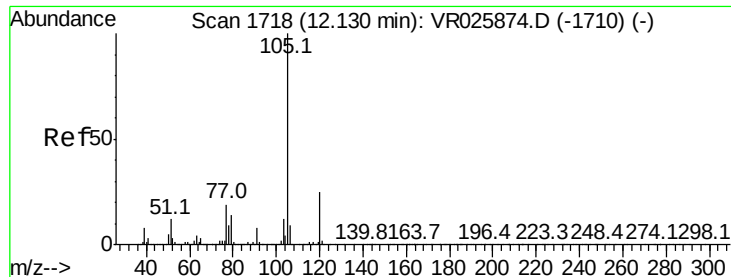
Tgt Ion:106 Resp: 55055
Ion Ratio Lower Upper
106 100
91 248.6 164.5 305.5



#55
Styrene
Concen: 0.668 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VR025873.D
Acq: 27 Sep 2018 13:02

Tgt Ion:104 Resp: 87922
Ion Ratio Lower Upper
104 100
78 54.7 39.3 72.9





#56

Isopropylbenzene

Concen: 0.662 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR025873.D

Acq: 27 Sep 2018 13:02

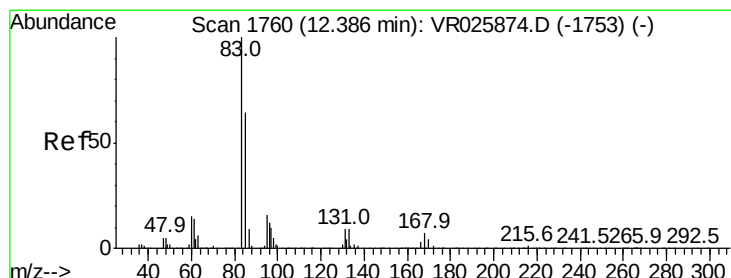
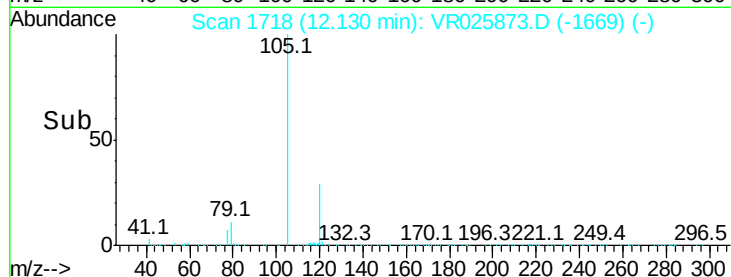
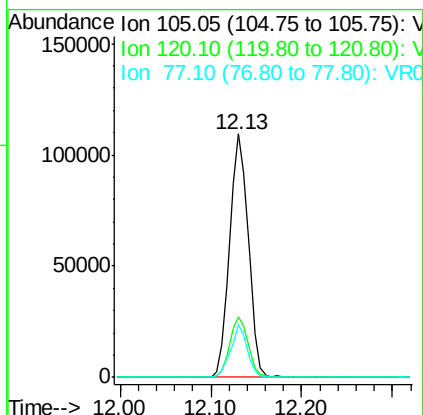
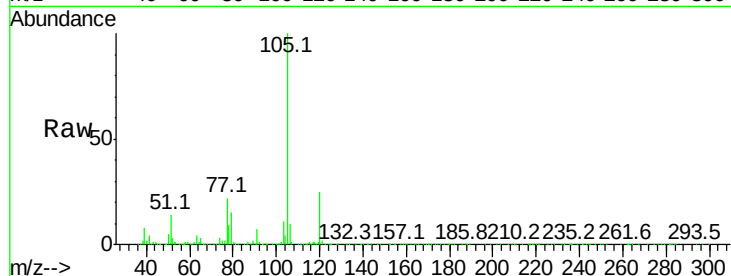
Instrument :

MSVOA_R

ClientSampleId :

VSTD00189

Tgt Ion:	105	Resp:	157514
Ion Ratio	Lower	Upper	
105	100		
120	24.2	19.8	29.8
77	19.2	15.5	23.3



#58

1,1,2,2-Tetrachloroethane

Concen: 0.774 ug/L

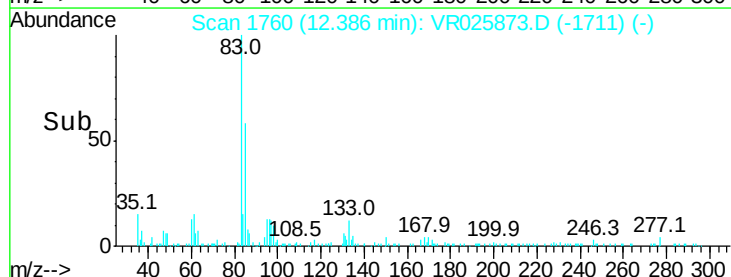
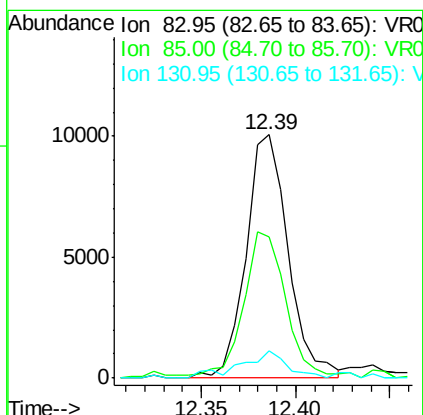
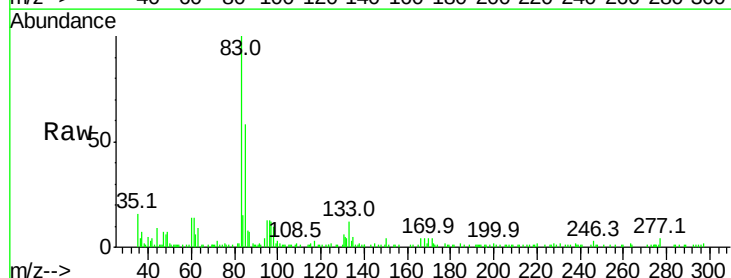
RT: 12.39 min Scan# 1760

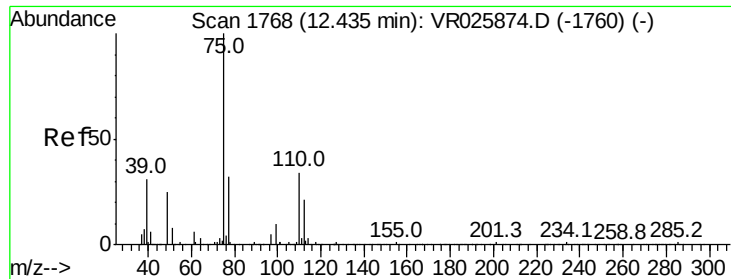
Delta R.T. -0.00 min

Lab File: VR025873.D

Acq: 27 Sep 2018 13:02

Tgt Ion:	83	Resp:	15580
Ion Ratio	Lower	Upper	
83	100		
85	58.0	45.8	85.0
131	11.3	6.6	9.8#





#59

1,2,3-Trichloropropane

Concen: 0.683 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VR025873.D

Acq: 27 Sep 2018 13:02

Instrument :

MSVOA_R

ClientSampleId :

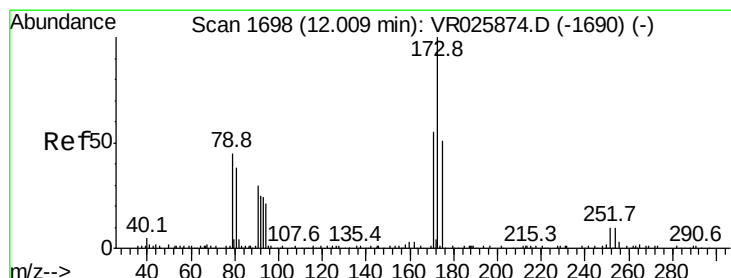
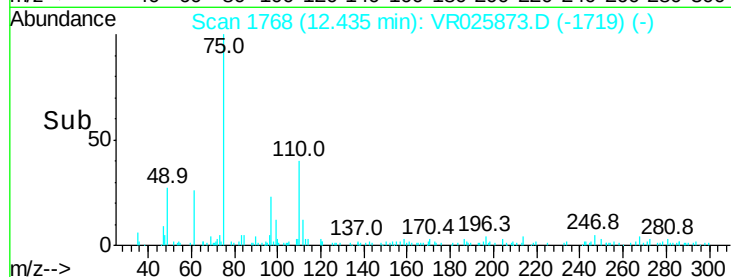
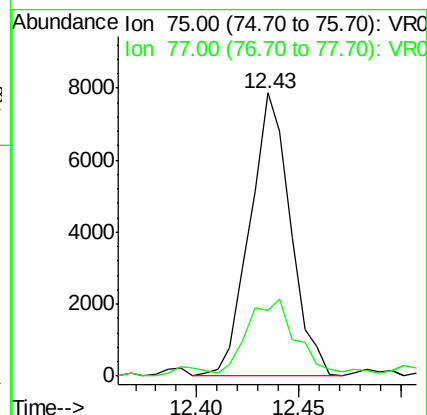
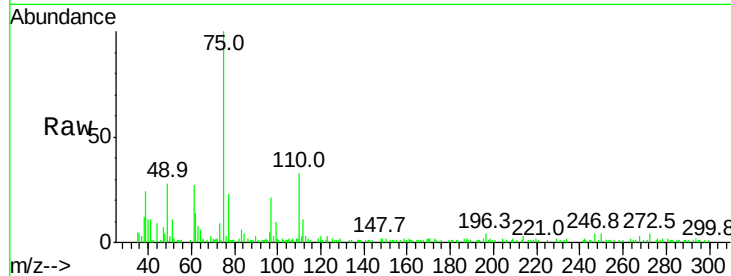
VSTD00189

Tgt Ion: 75 Resp: 10926

Ion Ratio Lower Upper

75 100

77 30.3 25.8 38.6



#61

Bromoform

Concen: 0.553 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VR025873.D

Acq: 27 Sep 2018 13:02

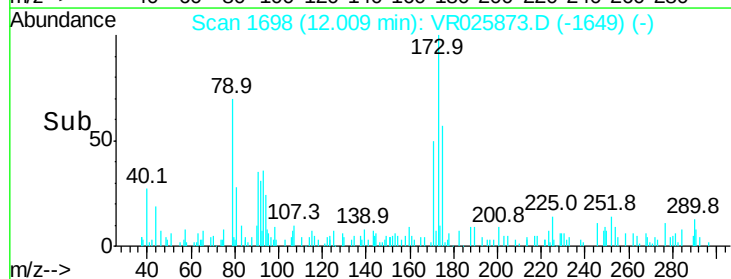
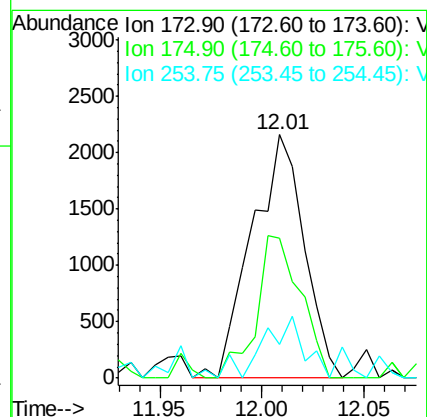
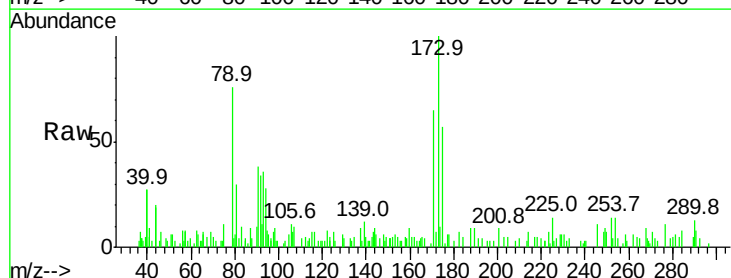
Tgt Ion: 173 Resp: 3828

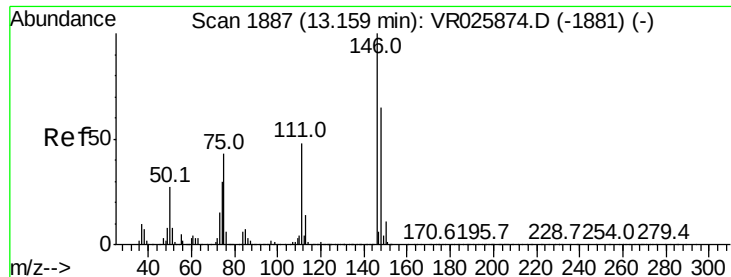
Ion Ratio Lower Upper

173 100

175 49.9 36.9 55.3

254 20.0 6.6 10.0#





#62

1,3-Dichlorobenzene

Concen: 0.640 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. 0.01 min

Lab File: VR025873.D

Acq: 27 Sep 2018 13:02

Instrument :

MSVOA_R

ClientSampleId :

VSTD00189

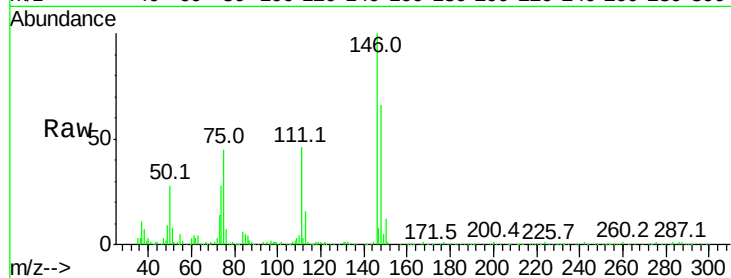
Tgt Ion:146 Resp: 43928

Ion Ratio Lower Upper

146 100

111 46.3 36.6 68.0

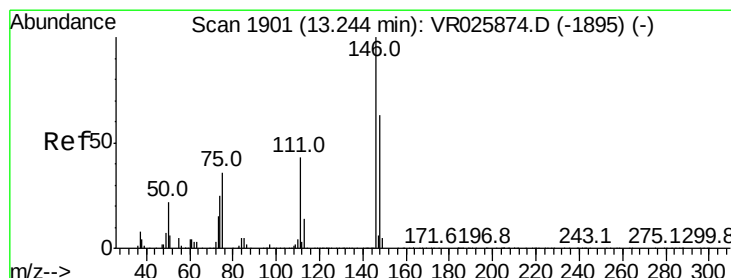
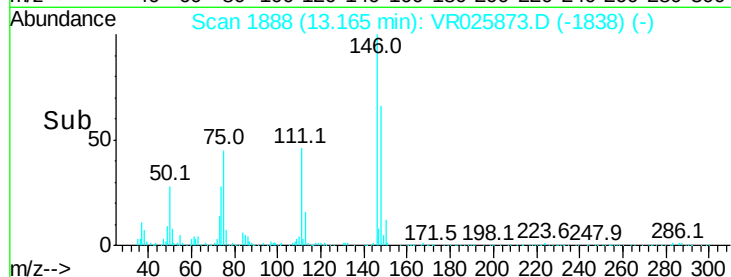
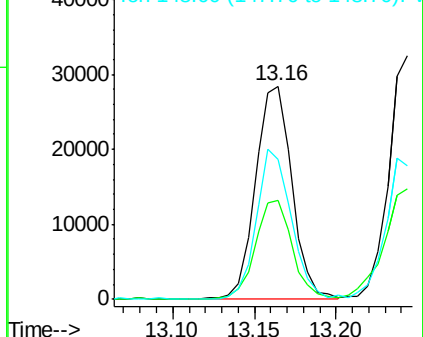
148 65.8 41.9 77.7



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: 0.689 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. -0.00 min

Lab File: VR025873.D

Acq: 27 Sep 2018 13:02

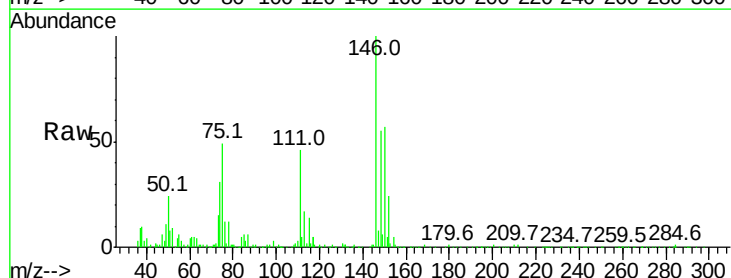
Tgt Ion:146 Resp: 45647

Ion Ratio Lower Upper

146 100

111 45.6 32.9 61.1

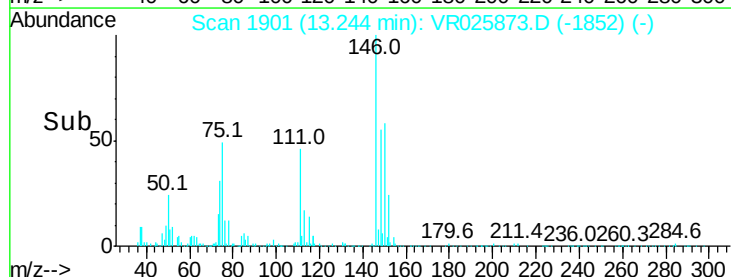
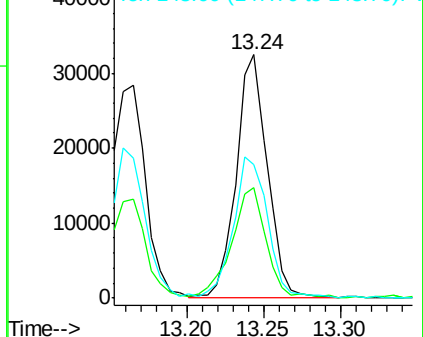
148 55.0 45.5 84.5

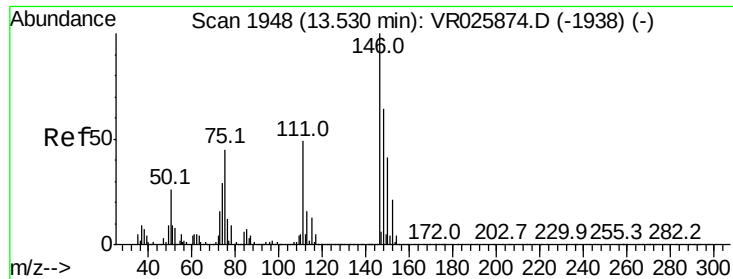


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.685 ug/L

RT: 13.53 min Scan# 1948

Delta R.T. -0.00 min

Lab File: VR025873.D

Acq: 27 Sep 2018 13:02

Instrument :

MSVOA_R

ClientSampleId :

VSTD00189

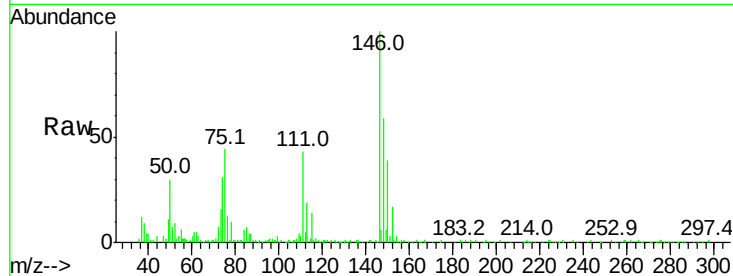
Tgt Ion:146 Resp: 35817

Ion Ratio Lower Upper

146 100

111 42.9 39.4 59.0

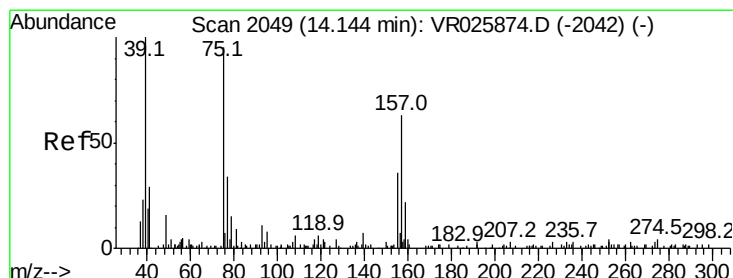
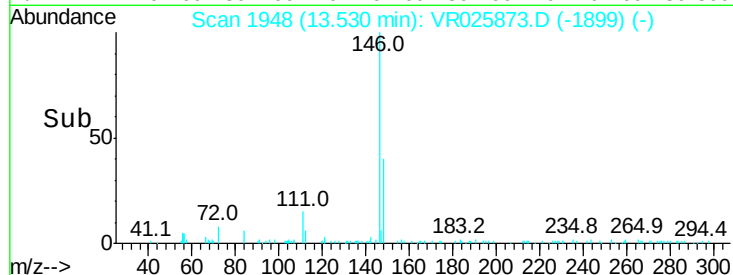
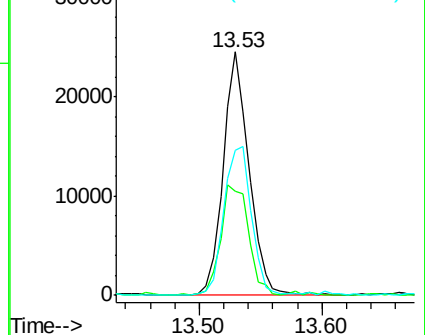
148 59.4 53.5 80.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 0.737 ug/L

RT: 14.13 min Scan# 2047

Delta R.T. -0.01 min

Lab File: VR025873.D

Acq: 27 Sep 2018 13:02

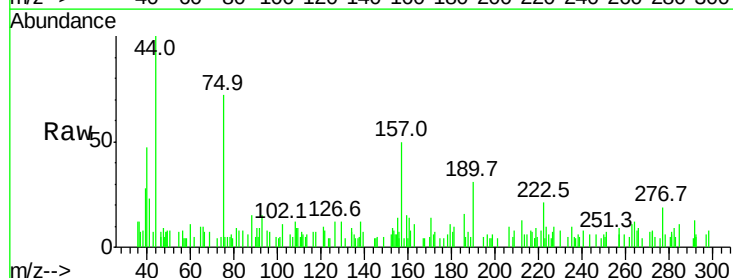
Tgt Ion: 75 Resp: 1761

Ion Ratio Lower Upper

75 100

155 25.2 37.8 56.6#

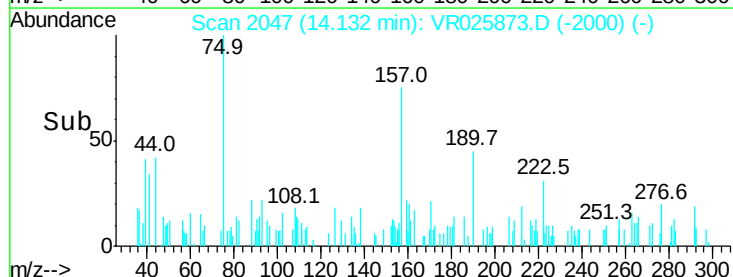
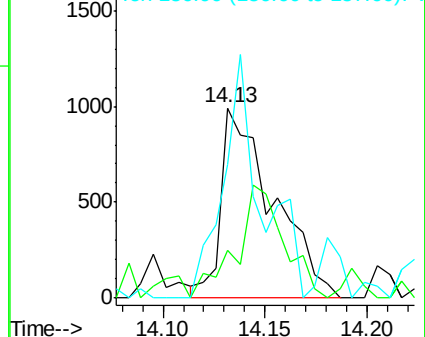
157 70.1 49.7 74.5

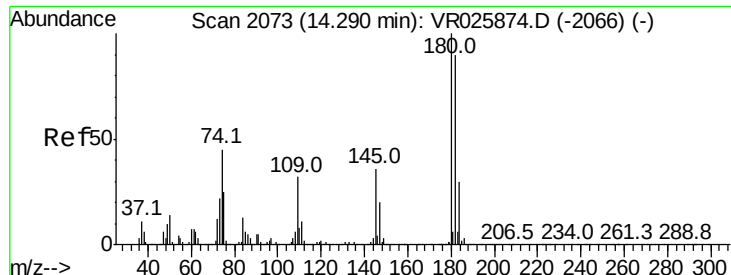


Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

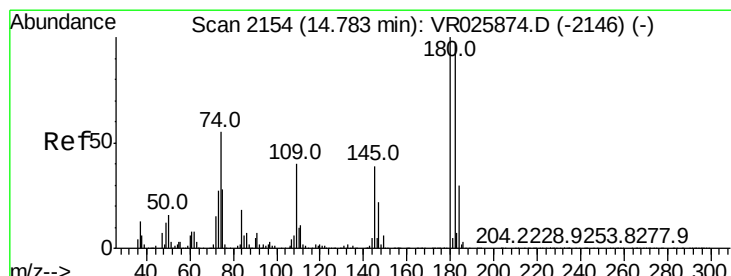
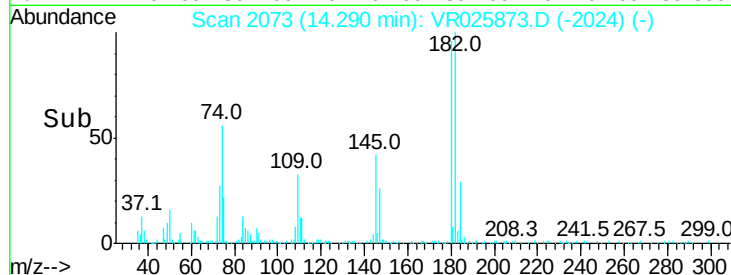
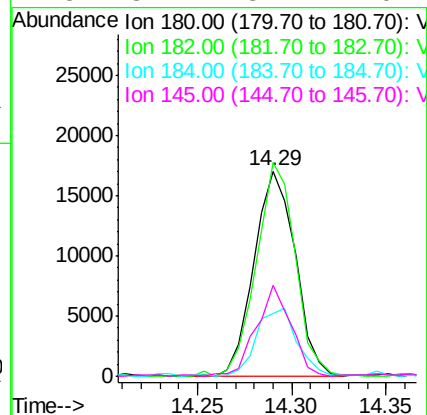
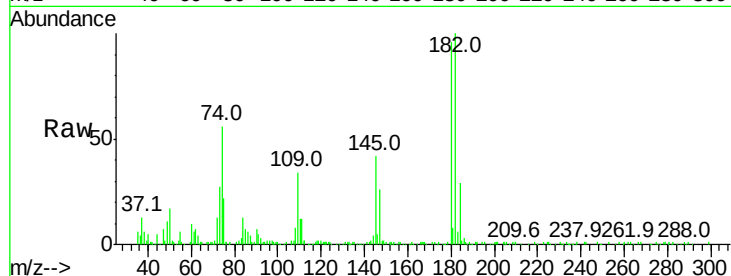




#67
 1,3,5-Trichlorobenzene
 Concen: 0.667 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VR025873.D
 Acq: 27 Sep 2018 13:02

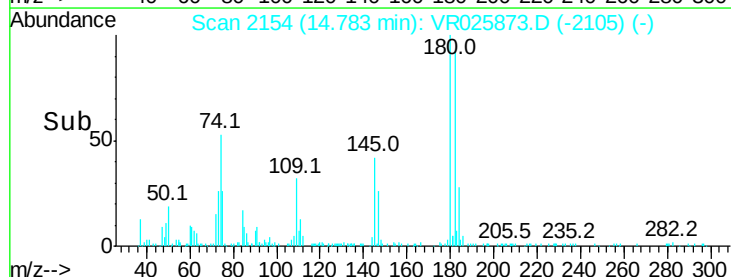
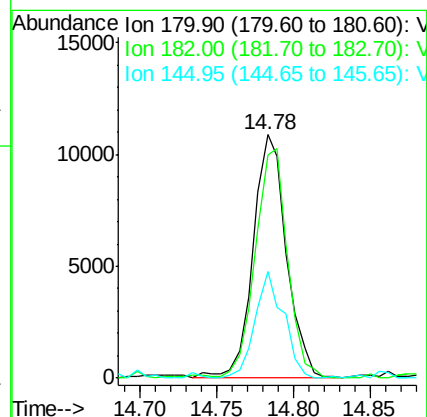
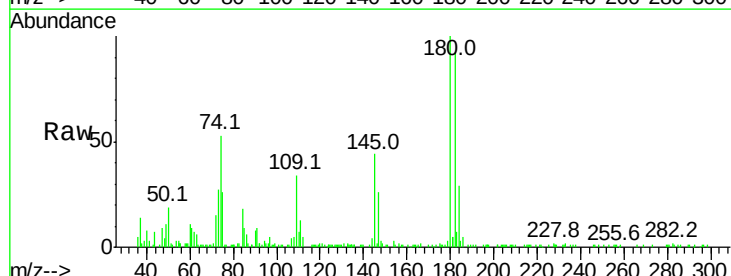
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00189

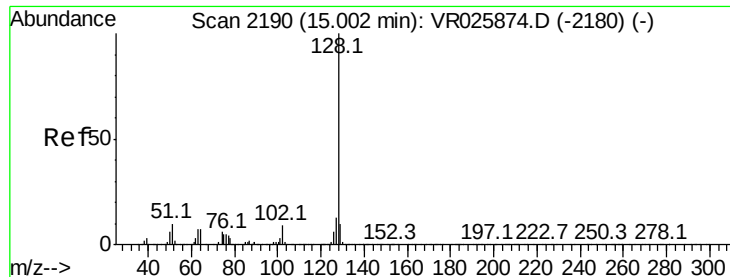
Tgt Ion:	180	Resp:	25841
Ion	Ratio	Lower	Upper
180	100		
182	98.7	77.2	115.8
184	32.8	24.5	36.7
145	37.2	31.1	46.7



#68
 1,2,4-trichlorobenzene
 Concen: 0.669 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VR025873.D
 Acq: 27 Sep 2018 13:02

Tgt Ion:	180	Resp:	16495
Ion	Ratio	Lower	Upper
180	100		
182	91.4	75.2	112.8
145	37.4	30.5	45.7





#69

Naphthalene

Concen: 0.561 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VR025873.D

Acq: 27 Sep 2018 13:02

Instrument :

MSVOA_R

ClientSampleId :

VSTD00189

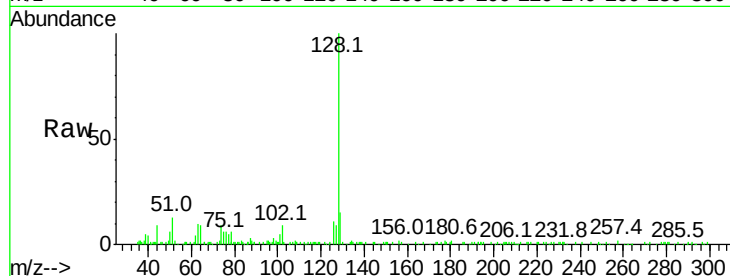
Tgt Ion:128 Resp: 20127

Ion Ratio Lower Upper

128 100

127 12.5 10.5 15.7

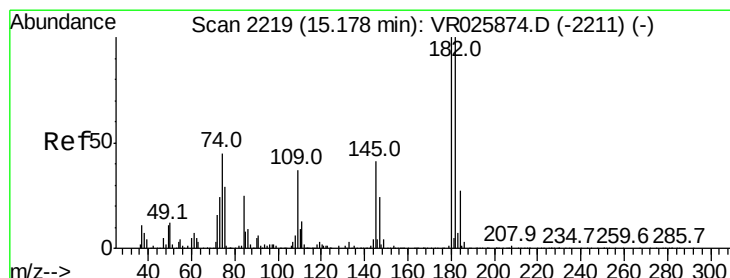
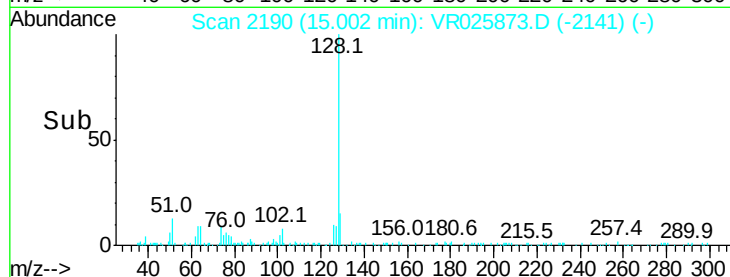
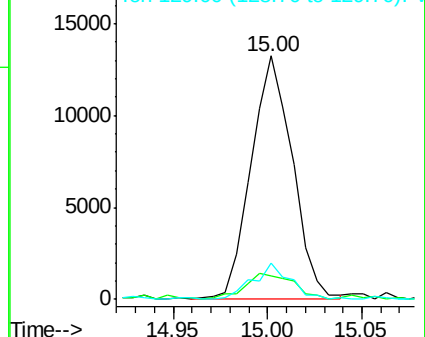
129 13.2 9.4 14.2



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: 0.697 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VR025873.D

Acq: 27 Sep 2018 13:02

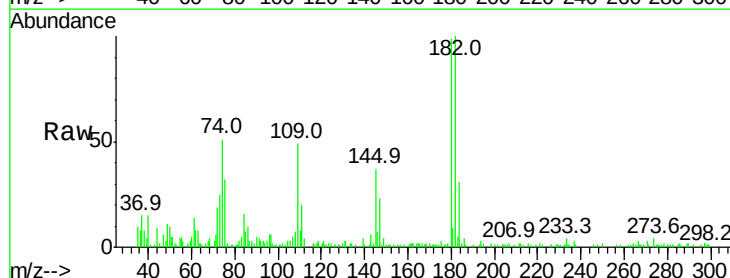
Tgt Ion:180 Resp: 12207

Ion Ratio Lower Upper

180 100

182 97.8 74.7 112.1

145 40.5 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

