

Data File : VR025874.D
Acq On : 27 Sep 2018 13:35
Operator : SY/MD
Sample : VSTD005
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00590

Quant Time: Sep 27 15:02:59 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 27 13:13:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	567196	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	484655	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	172739	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.17	65	226339	5.57	ug/L	0.01
7) Chloroethane-d5	2.63	69	179342	5.62	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.64	63	519710	5.29	ug/L	0.00
20) 2-Butanone-d5	6.59	46	259001	47.84	ug/L	0.00
24) Chloroform-d	7.20	84	382905	4.49	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.90	65	163234	4.44	ug/L	0.00
32) Benzene-d6	7.85	84	795423	4.42	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.90	67	215902	4.40	ug/L	0.00
41) Toluene-d8	9.97	98	755631	4.67	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	48367	3.56	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	196896	43.42	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	89295	4.78	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.52	152	143395	4.86	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	172807	2.925 ug/L #	65
3) Chloromethane	2.01	50	227807	3.542 ug/L	97
5) Vinyl chloride	2.17	62	231677	3.803 ug/L	98
6) Bromomethane	2.52	94	142521	4.116 ug/L	98
8) Chloroethane	2.66	64	131715	3.805 ug/L	92
9) Trichlorofluoromethane	2.93	101	154792	2.049 ug/L #	46
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	206598	4.489 ug/L	95
12) 1,1-Dichloroethene	3.65	96	204806	4.186 ug/L	88
13) Acetone	3.70	43	162774	45.559 ug/L	97
14) Carbon disulfide	3.94	76	515007	3.741 ug/L	99
15) Methyl Acetate	4.20	43	49356	4.306 ug/L	98
16) Methylene chloride	4.40	84	176707	4.017 ug/L	94
17) Methyl tert-butyl Ether	4.90	73	226441	2.646 ug/L	98
18) trans-1,2-Dichloroethene	4.88	96	171658	3.101 ug/L	92
19) 1,1-Dichloroethane	5.69	63	333491	2.947 ug/L	97
21) 2-Butanone	6.69	43	240014	32.233 ug/L	98
22) cis-1,2-Dichloroethene	6.67	96	168046	3.014 ug/L #	95
23) Bromochloromethane	7.05	128	46201	3.144 ug/L #	87
25) Chloroform	7.23	83	323010	3.104 ug/L	96
27) 1,2-Dichloroethane	7.99	62	165787	3.082 ug/L	100
29) 1,1,1-Trichloroethane	7.43	97	261819	2.675 ug/L	98
30) Cyclohexane	7.52	56	338152	2.898 ug/L	99
31) Carbon tetrachloride	7.63	117	226813	2.816 ug/L	99
33) Benzene	7.91	78	761463	2.993 ug/L	100
34) Trichloroethene	8.71	95	197504	2.925 ug/L	98
35) Methylcyclohexane	8.95	83	328459	2.966 ug/L	99
37) 1,2-Dichloropropane	9.00	63	169453	2.987 ug/L	98
38) Bromodichloromethane	9.28	83	181475	2.898 ug/L	99
39) cis-1,3-Dichloropropene	9.72	75	201300	2.899 ug/L	94
40) 4-Methyl-2-pentanone	9.87	43	602158	30.489 ug/L	98

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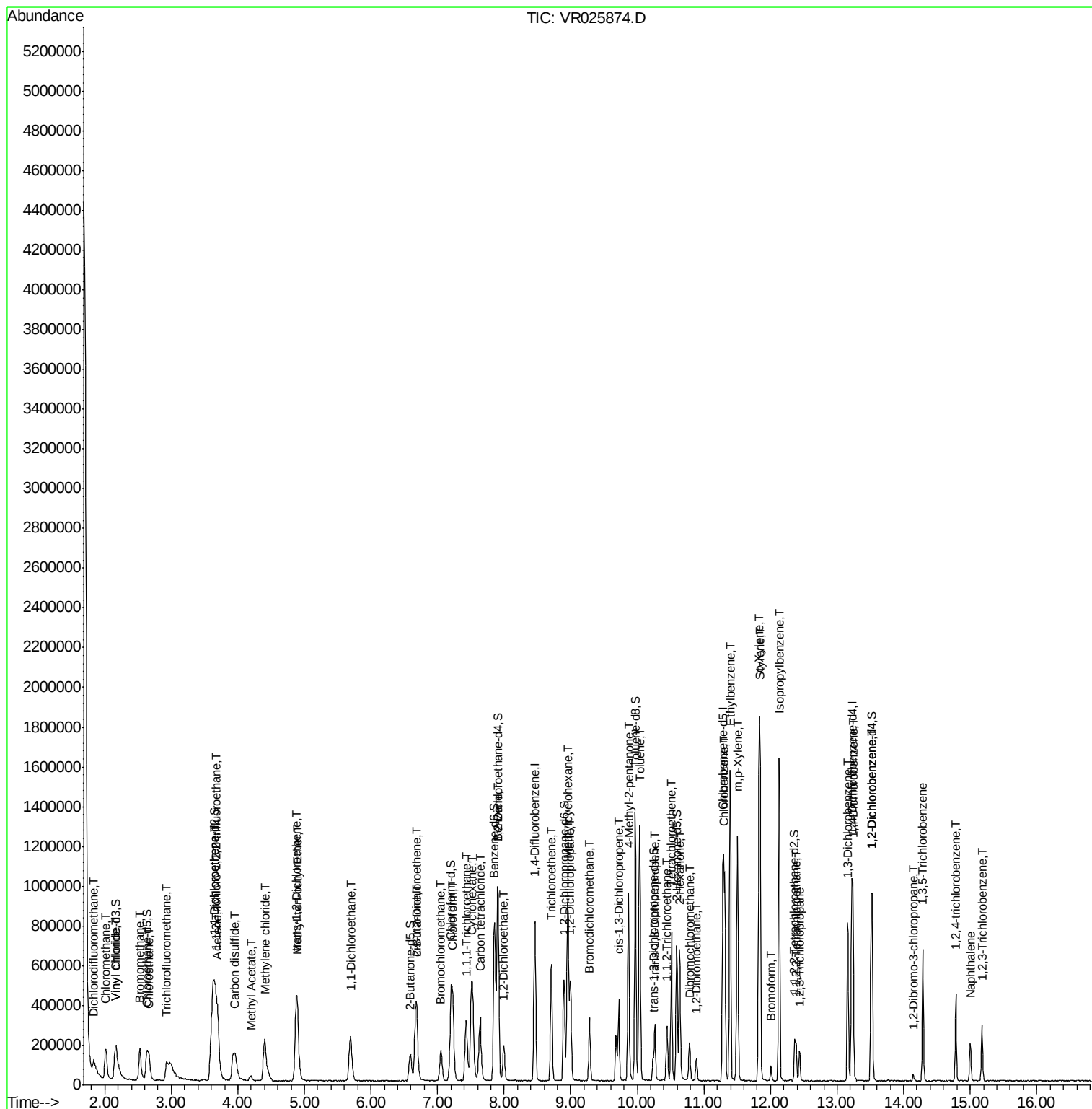
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.04	91	815104	3.143	ug/L	94
44) trans-1,3-Dichloropropene	10.26	75	126832	2.635	ug/L	97
45) 1,1,2-Trichloroethane	10.45	97	73479	3.090	ug/L	93
47) Tetrachloroethene	10.51	164	126316	3.271	ug/L	86
48) 2-Hexanone	10.63	43	395977	30.487	ug/L	99
49) Dibromochloromethane	10.79	129	76181	3.075	ug/L	99
50) 1,2-Dibromoethane	10.89	107	61516	2.939	ug/L #	98
51) Chlorobenzene	11.32	112	422111	3.103	ug/L	96
52) Ethylbenzene	11.39	91	935517	3.136	ug/L	98
53) m,p-Xylene	11.50	106	335067	3.115	ug/L	95
54) o-Xylene	11.83	106	303475	3.081	ug/L	95
55) Styrene	11.84	104	488379	3.200	ug/L	92
56) Isopropylbenzene	12.13	105	867129	3.145	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	72335	3.100	ug/L	98
59) 1,2,3-Trichloropropane	12.43	75	52336	2.825	ug/L	99
61) Bromoform	12.01	173	25569	3.172	ug/L #	91
62) 1,3-Dichlorobenzene	13.16	146	247796	3.100	ug/L	93
63) 1,4-Dichlorobenzene	13.24	146	247410	3.207	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	193537	3.180	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.14	75	6371	2.290	ug/L	91
67) 1,3,5-Trichlorobenzene	14.29	180	146372	3.246	ug/L	96
68) 1,2,4-trichlorobenzene	14.78	180	88778	3.095	ug/L	98
69) Naphthalene	15.00	128	123487	2.958	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	65259	3.202	ug/L	97

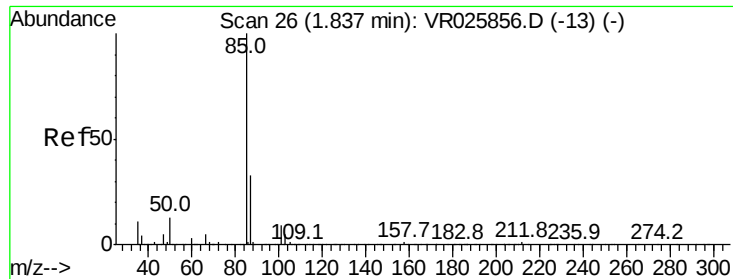
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.925 ug/L

RT: 1.84 min Scan# 27

Delta R.T. 0.01 min

Lab File: VR025874.D

Acq: 27 Sep 2018 13:35

Instrument :

MSVOA_R

ClientSampleId :

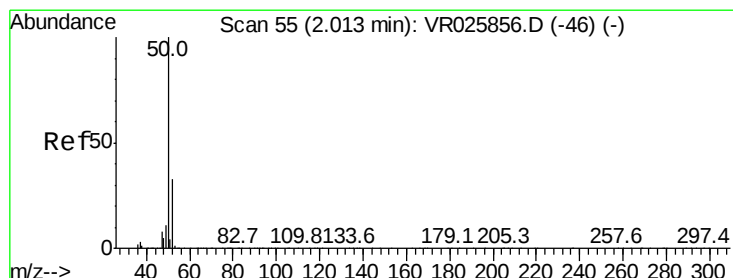
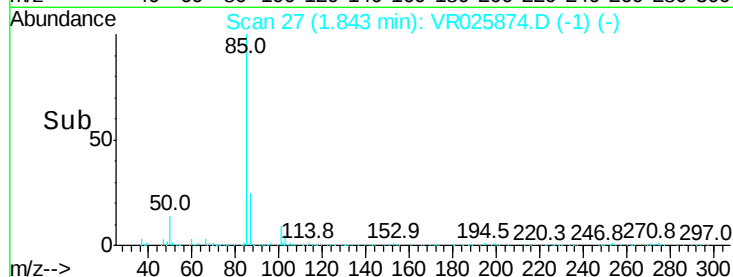
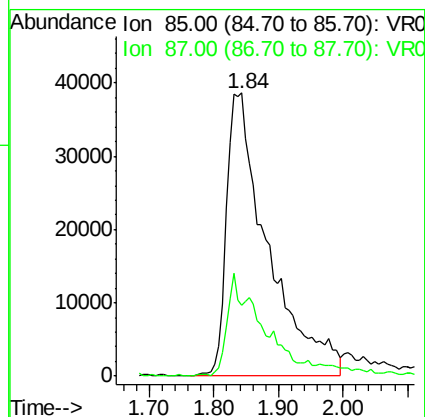
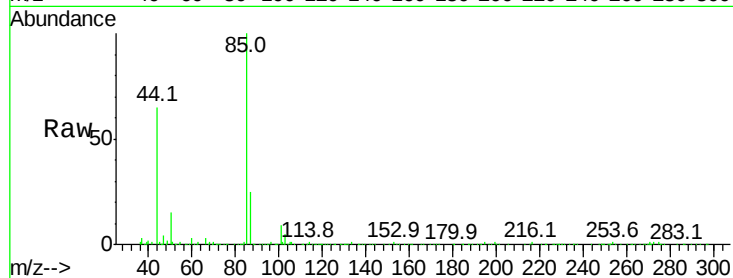
VSTD00590

Tgt Ion: 85 Resp: 172807

Ion Ratio Lower Upper

85 100

87 12.0 25.1 37.7#



#3

Chloromethane

Concen: 3.542 ug/L

RT: 2.01 min Scan# 55

Delta R.T. 0.00 min

Lab File: VR025874.D

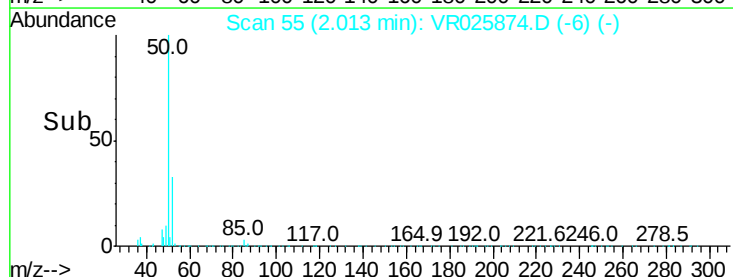
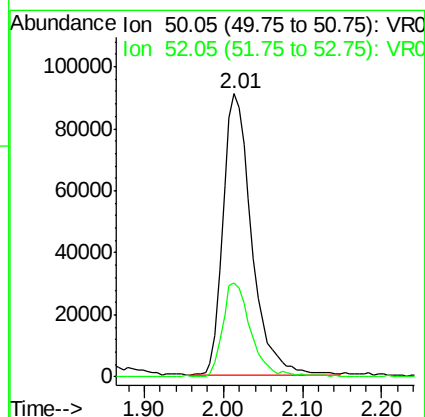
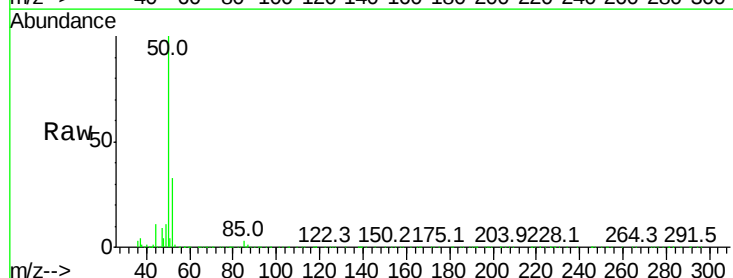
Acq: 27 Sep 2018 13:35

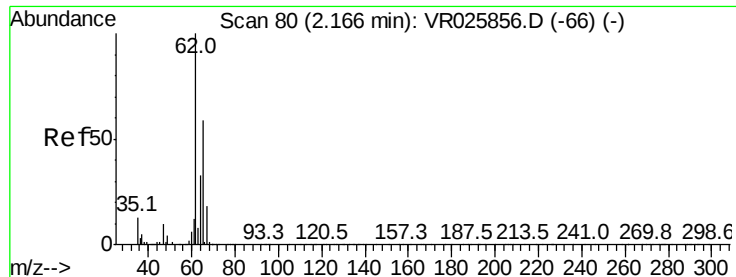
Tgt Ion: 50 Resp: 227807

Ion Ratio Lower Upper

50 100

52 33.0 22.1 41.1





#5

Vinyl chloride

Concen: 3.803 ug/L

RT: 2.17 min Scan# 81

Delta R.T. 0.01 min

Lab File: VR025874.D

Acq: 27 Sep 2018 13:35

Instrument :

MSVOA_R

ClientSampleId :

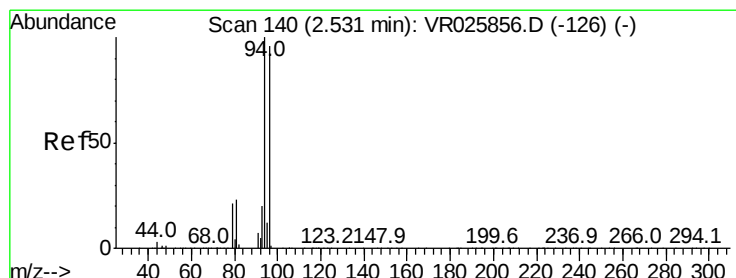
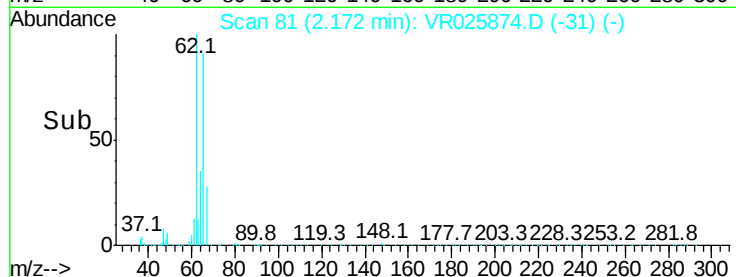
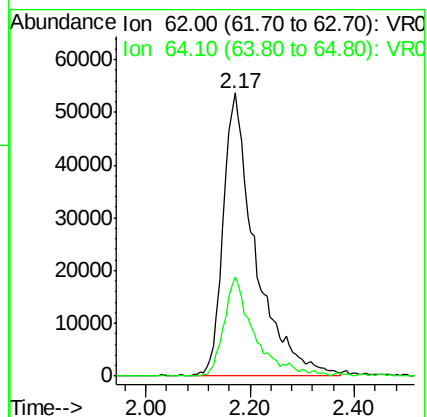
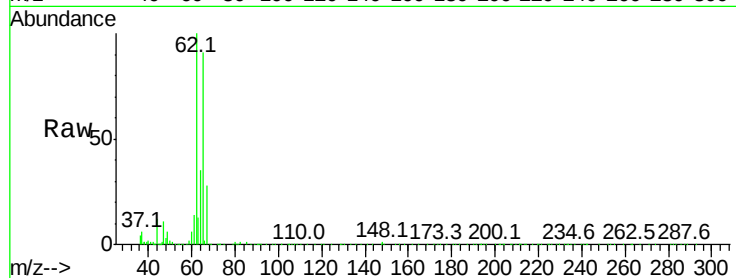
VSTD00590

Tgt Ion: 62 Resp: 231677

Ion Ratio Lower Upper

62 100

64 34.9 23.5 43.7



#6

Bromomethane

Concen: 4.116 ug/L

RT: 2.52 min Scan# 139

Delta R.T. -0.01 min

Lab File: VR025874.D

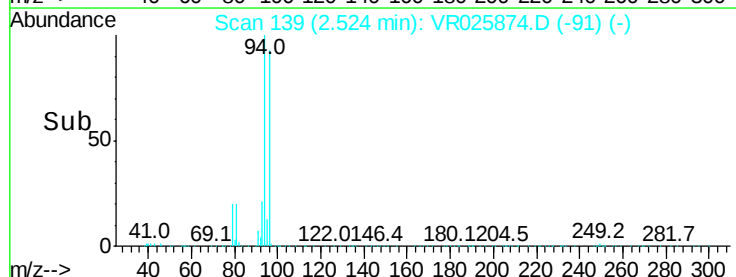
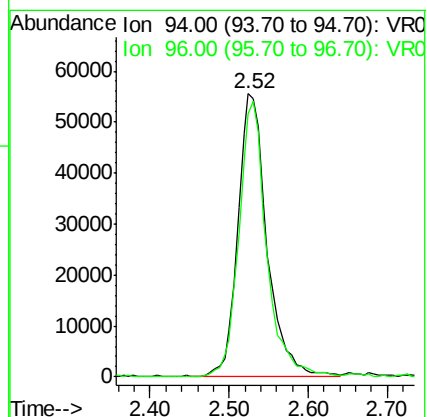
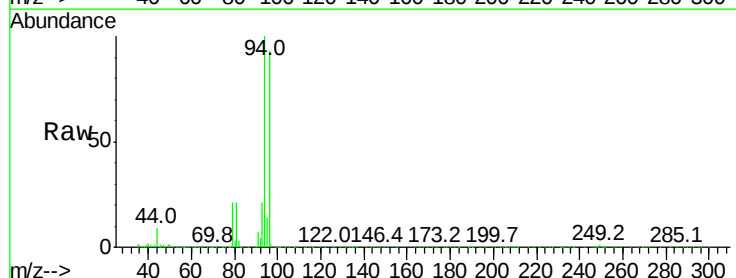
Acq: 27 Sep 2018 13:35

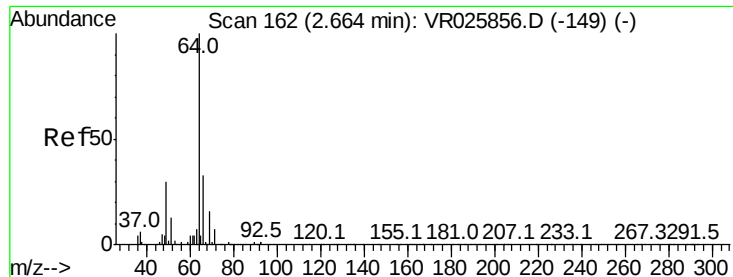
Tgt Ion: 94 Resp: 142521

Ion Ratio Lower Upper

94 100

96 92.8 66.1 122.8

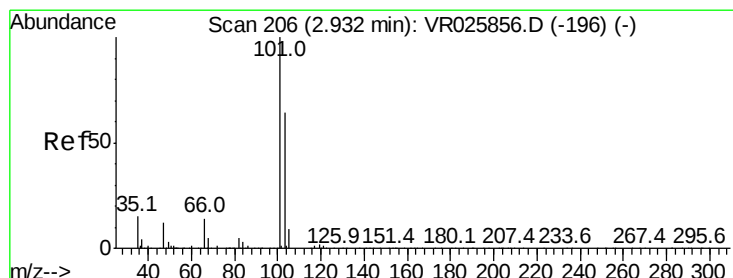
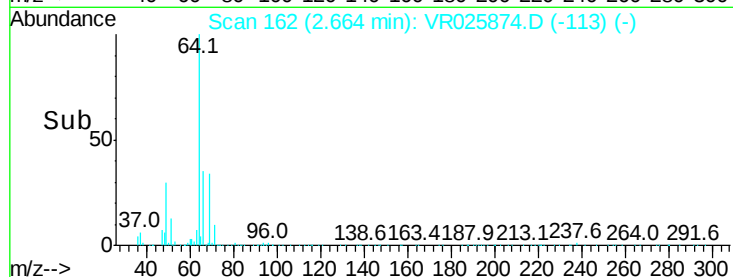
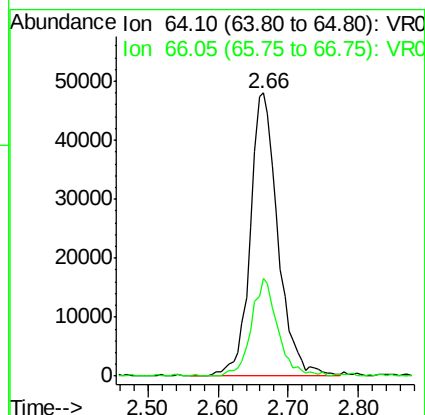
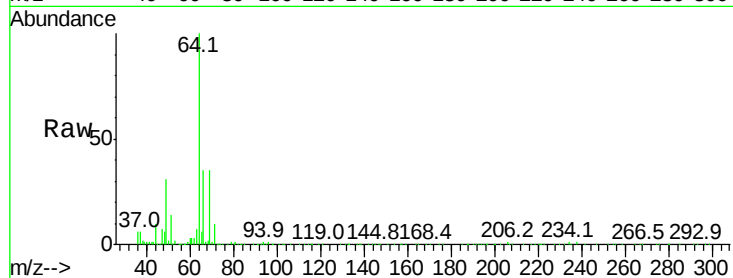




#8
Chloroethane
Concen: 3.805 ug/L
RT: 2.66 min Scan# 162
Delta R.T. 0.00 min
Lab File: VR025874.D
Acq: 27 Sep 2018 13:35

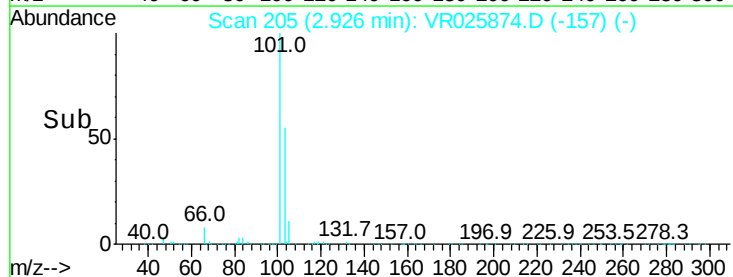
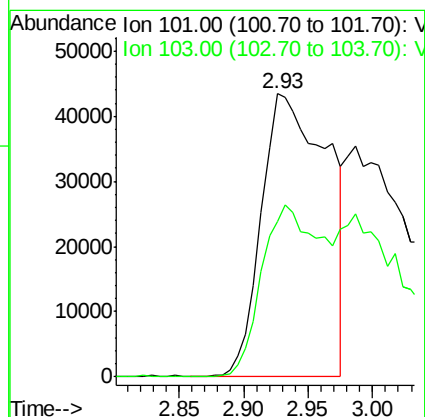
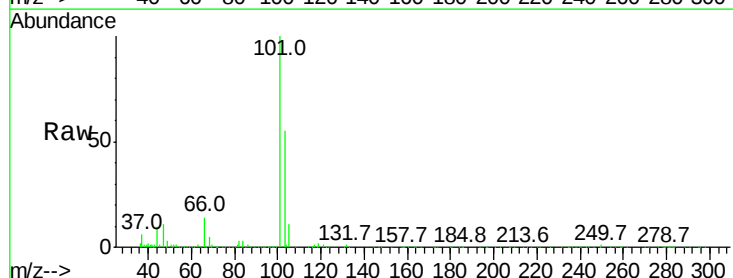
Instrument :
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ClientSampleId :
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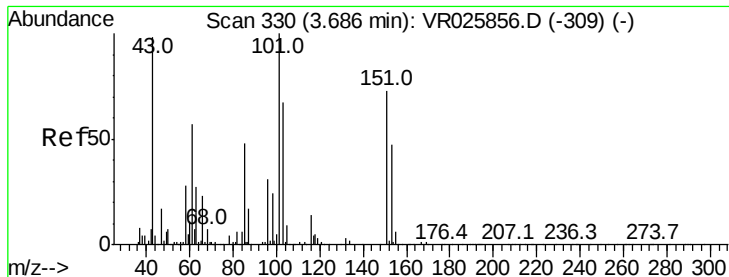
Tgt Ion: 64 Resp: 131715
Ion Ratio Lower Upper
64 100
66 34.6 21.3 39.5



#9
Trichlorofluoromethane
Concen: 2.049 ug/L
RT: 2.93 min Scan# 205
Delta R.T. -0.01 min
Lab File: VR025874.D
Acq: 27 Sep 2018 13:35

Tgt Ion: 101 Resp: 154792
Ion Ratio Lower Upper
101 100
103 55.7 22.1 33.1#





#10

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

Concen: 4.489 ug/L

RT: 3.68 min Scan# 329

Delta R.T. -0.01 min

Lab File: VR025874.D

Acq: 27 Sep 2018 13:35

Instrument :

MSVOA_R

ClientSampleId :

VSTD00590

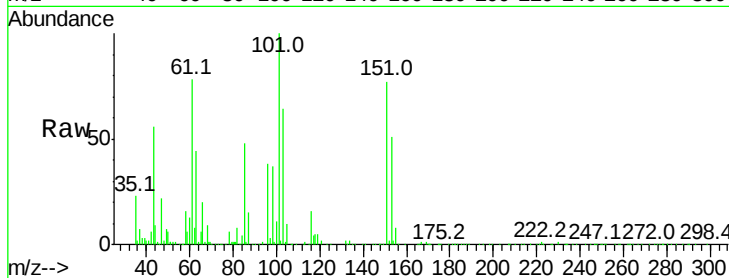
Tgt Ion:101 Resp: 206598

Ion Ratio Lower Upper

101 100

85 45.6 38.2 57.4

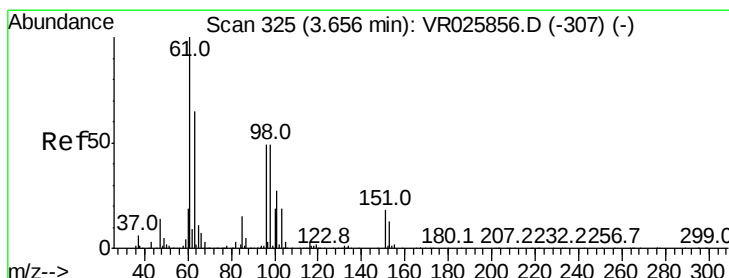
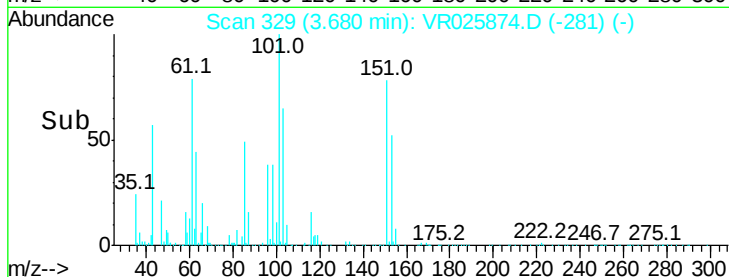
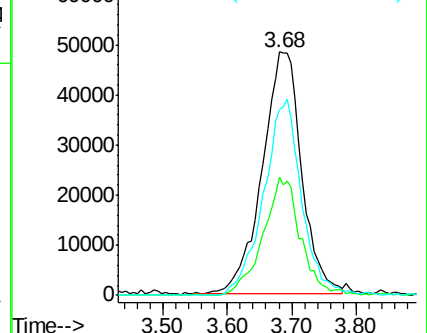
151 77.6 58.4 87.6



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: 4.186 ug/L

RT: 3.65 min Scan# 324

Delta R.T. -0.01 min

Lab File: VR025874.D

Acq: 27 Sep 2018 13:35

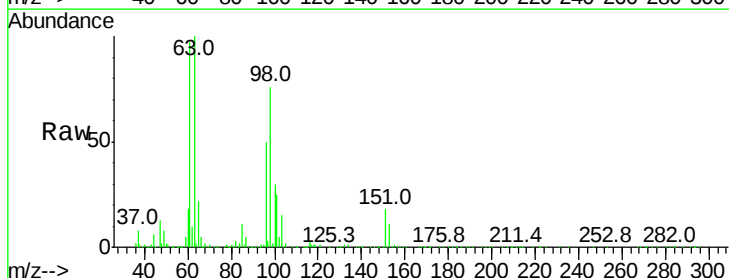
Tgt Ion: 96 Resp: 204806

Ion Ratio Lower Upper

96 100

61 194.5 145.0 269.4

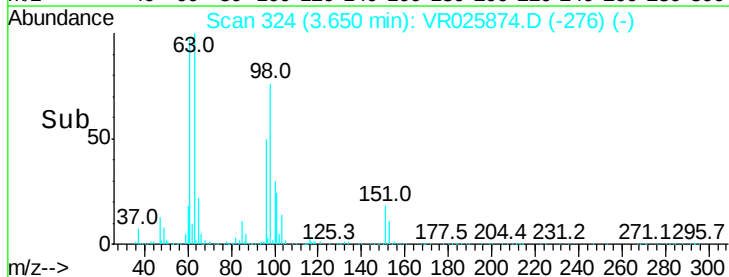
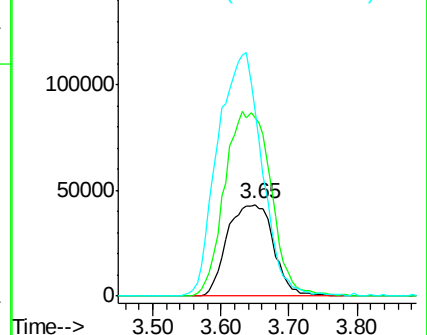
63 200.8 123.8 230.0

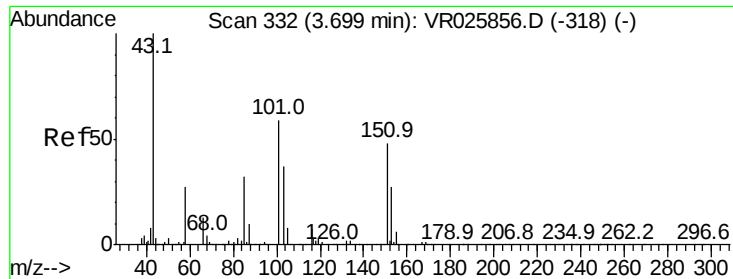


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 45.559 ug/L

RT: 3.70 min Scan# 332

Delta R.T. 0.00 min

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ClientSampleId :

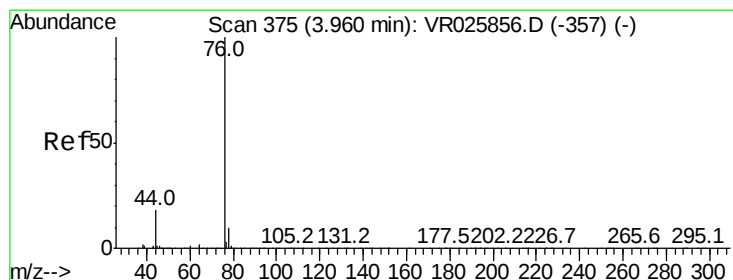
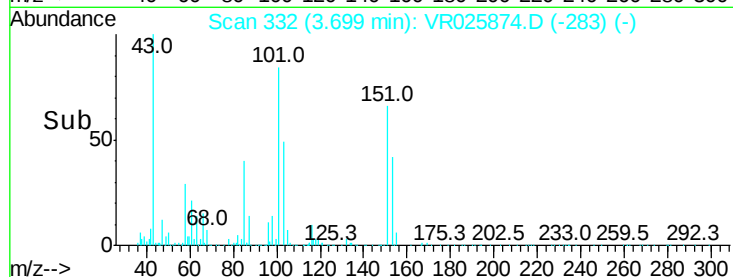
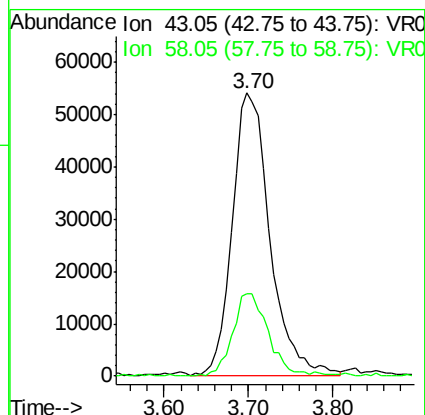
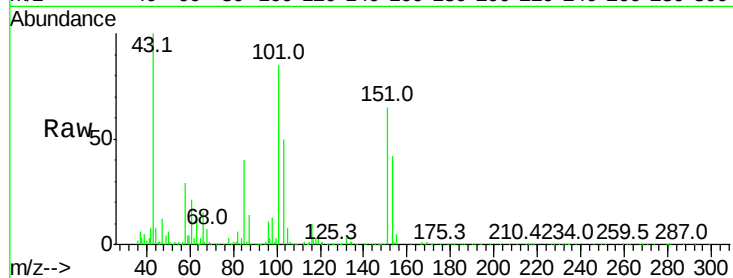
VSTD00590

Tgt Ion: 43 Resp: 162774

Ion Ratio Lower Upper

43 100

58 27.4 0.0 51.4



#14

Carbon disulfide

Concen: 3.741 ug/L

RT: 3.94 min Scan# 372

Delta R.T. -0.02 min

Lab File: VR025874.D

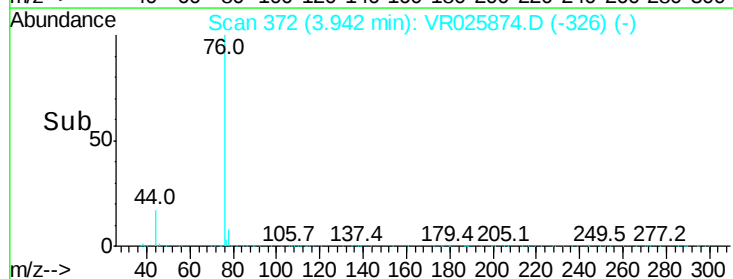
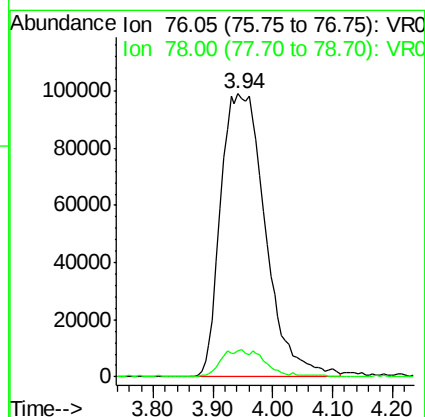
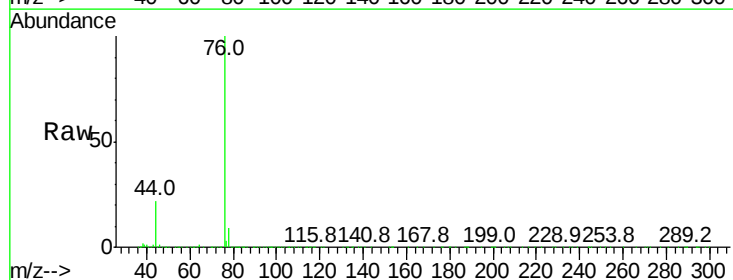
Acq: 27 Sep 2018 13:35

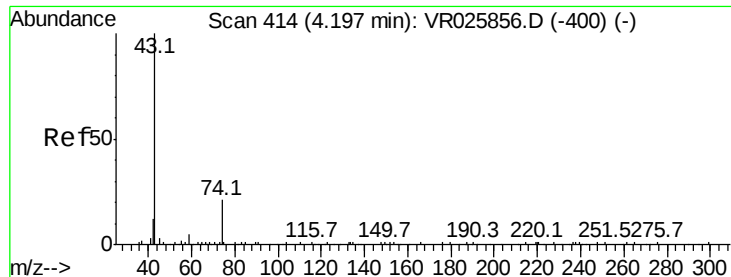
Tgt Ion: 76 Resp: 515007

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.6

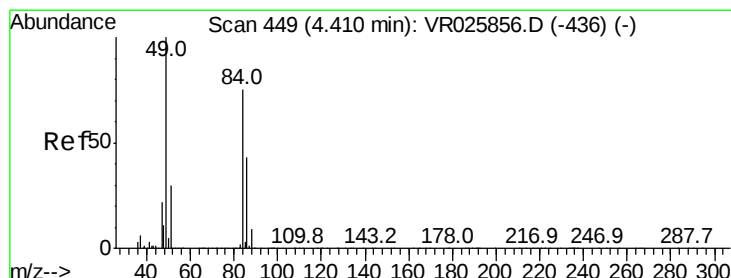
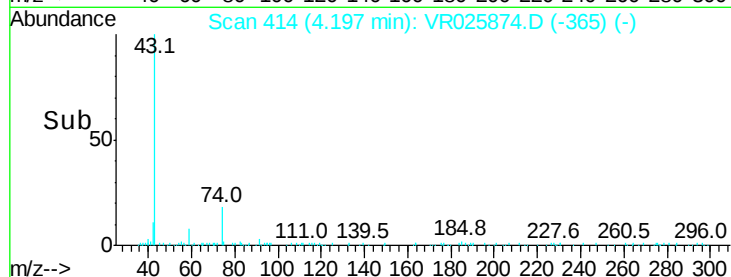
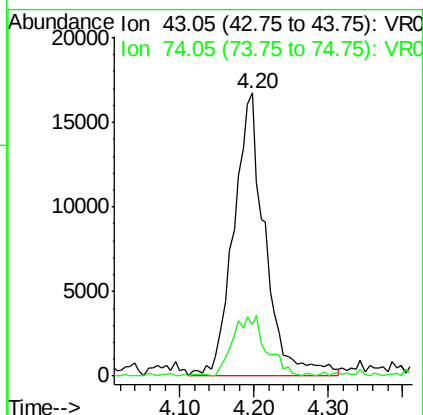
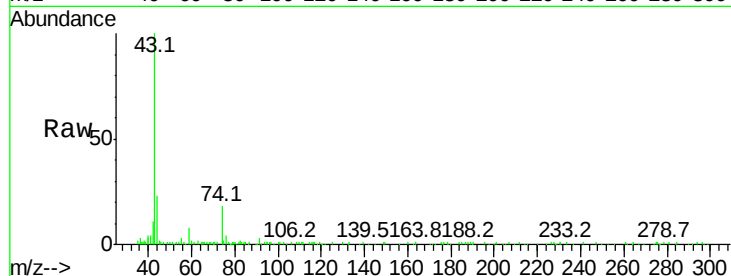




#15
Methyl Acetate
Concen: 4.306 ug/L
RT: 4.20 min Scan# 414
Delta R.T. 0.00 min
Lab File: VR025874.D
Acq: 27 Sep 2018 13:35

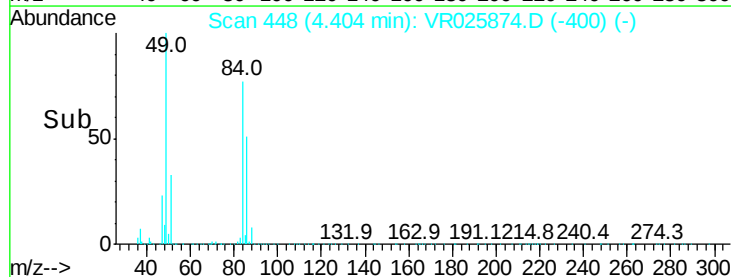
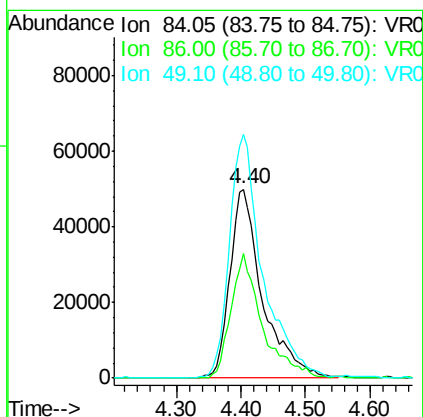
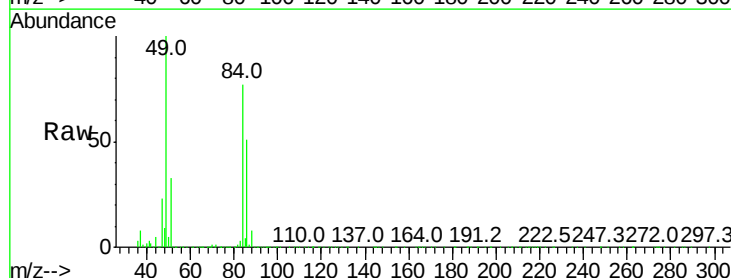
Instrument :
MSVOA_R
ClientSampleId :
VSTD00590

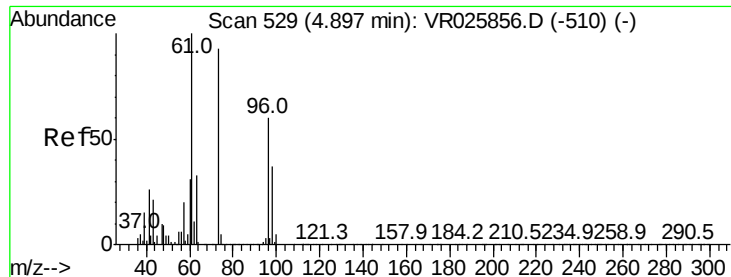
Tgt Ion: 43 Resp: 49356
Ion Ratio Lower Upper
43 100
74 22.5 19.0 28.4



#16
Methylene chloride
Concen: 4.017 ug/L
RT: 4.40 min Scan# 448
Delta R.T. -0.01 min
Lab File: VR025874.D
Acq: 27 Sep 2018 13:35

Tgt Ion: 84 Resp: 176707
Ion Ratio Lower Upper
84 100
86 66.0 43.1 80.1
49 129.1 95.5 177.3



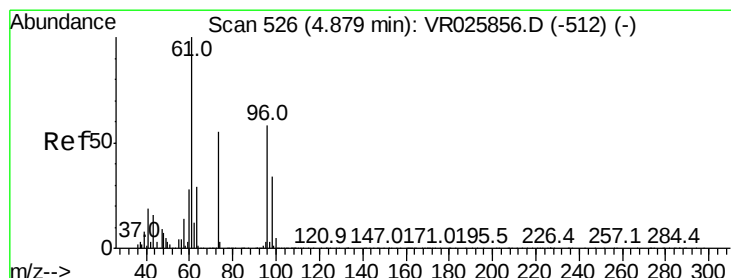
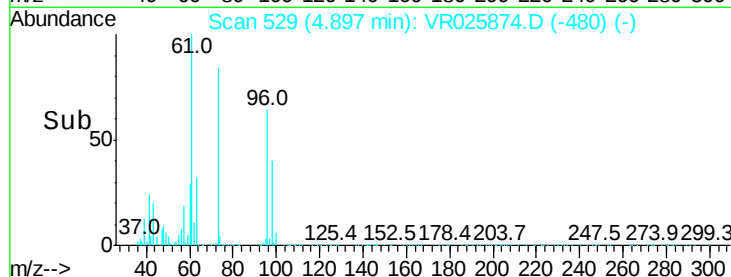
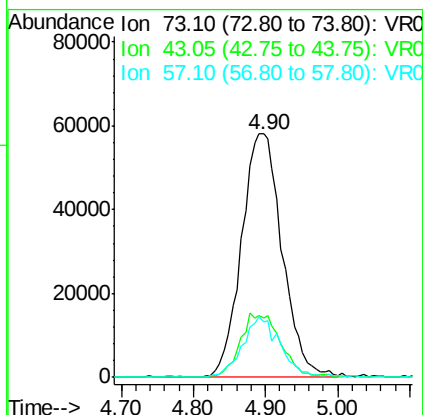
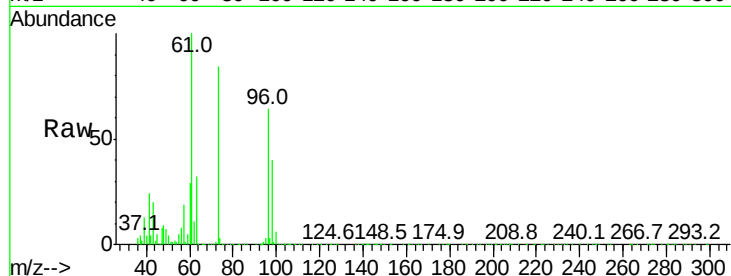


#17

Methyl tert-butyl Ether
 Concen: 2.646 ug/L
 RT: 4.90 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VR025874.D
 Acq: 27 Sep 2018 13:35

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00590

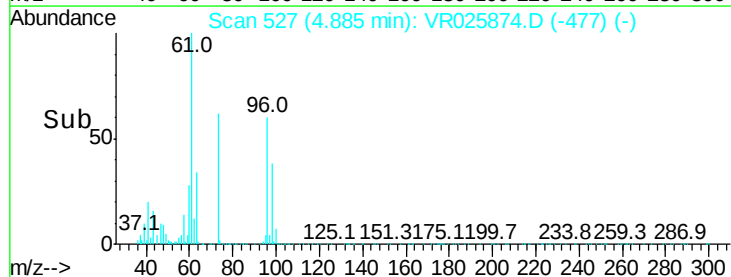
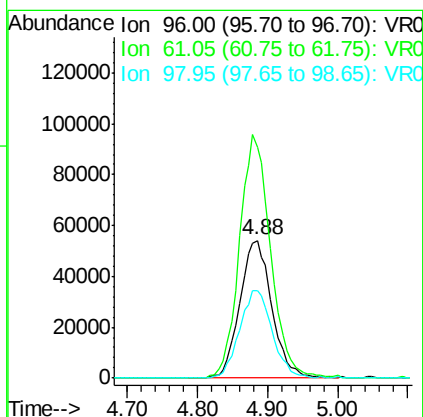
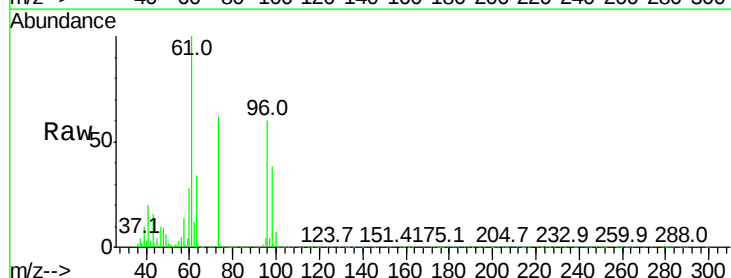
Tgt Ion:	73	Resp:	226441
Ion	Ratio	Lower	Upper
73	100		
43	25.8	19.8	29.8
57	23.1	17.9	26.9

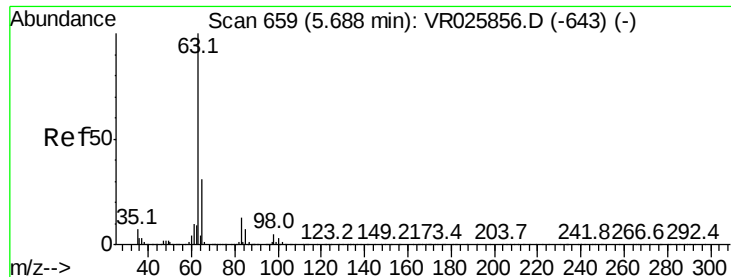


#18

trans-1,2-Dichloroethene
 Concen: 3.101 ug/L
 RT: 4.88 min Scan# 527
 Delta R.T. 0.01 min
 Lab File: VR025874.D
 Acq: 27 Sep 2018 13:35

Tgt Ion:	96	Resp:	171658
Ion	Ratio	Lower	Upper
96	100		
61	167.4	127.4	236.6
98	63.1	43.8	81.3





#19

1,1-Dichloroethane

Concen: 2.947 ug/L

RT: 5.69 min Scan# 659

Delta R.T. 0.00 min

Lab File: VR025874.D

Acq: 27 Sep 2018 13:35

Instrument :

MSVOA_R

ClientSampled :

VSTD00590

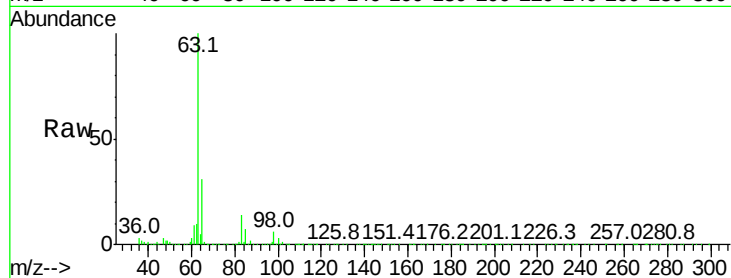
Tgt Ion: 63 Resp: 333491

Ion Ratio Lower Upper

63 100

65 31.4 21.1 39.1

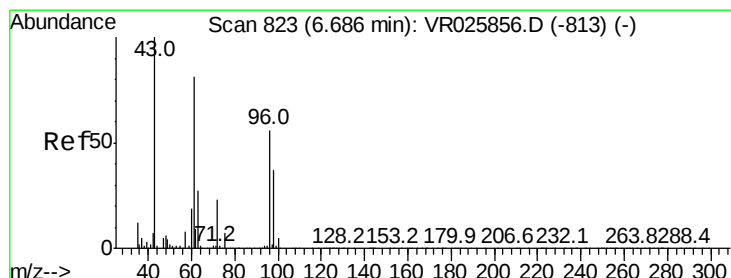
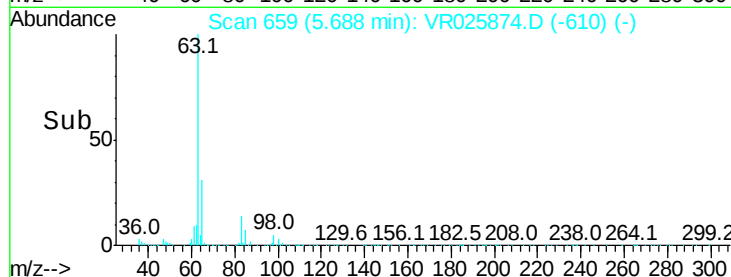
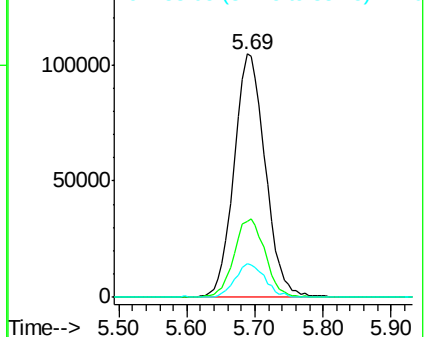
83 13.8 8.9 16.5



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 65.10 (64.80 to 65.80): VR0

Ion 83.05 (82.75 to 83.75): VR0



#21

2-Butanone

Concen: 32.233 ug/L

RT: 6.69 min Scan# 823

Delta R.T. 0.00 min

Lab File: VR025874.D

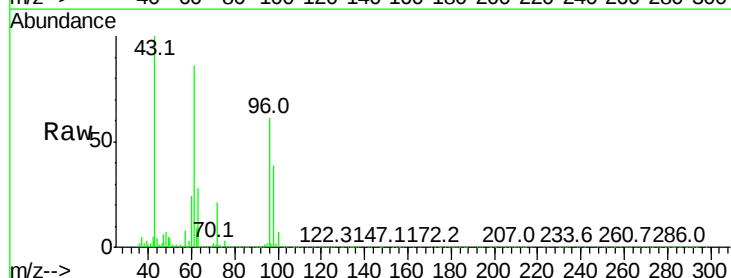
Acq: 27 Sep 2018 13:35

Tgt Ion: 43 Resp: 240014

Ion Ratio Lower Upper

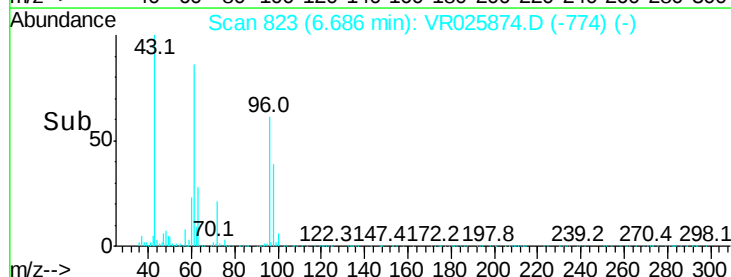
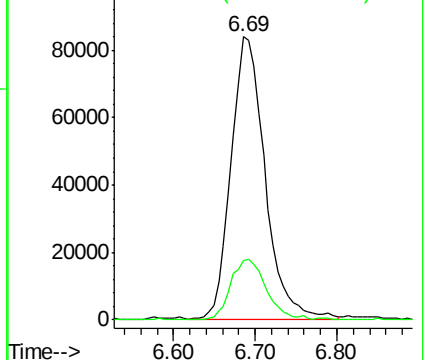
43 100

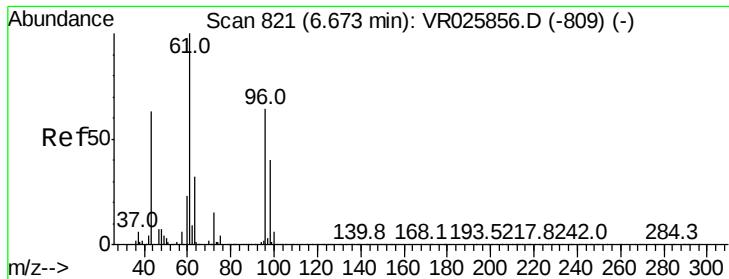
72 22.6 11.9 35.7



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 72.10 (71.80 to 72.80): VR0



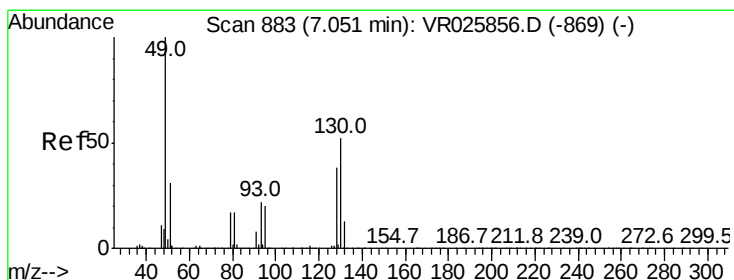
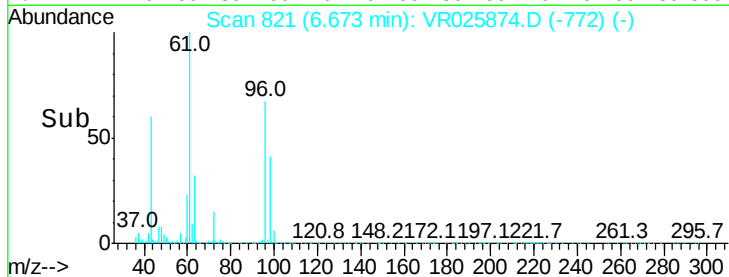
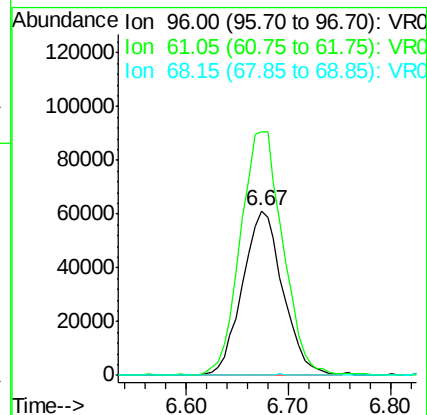
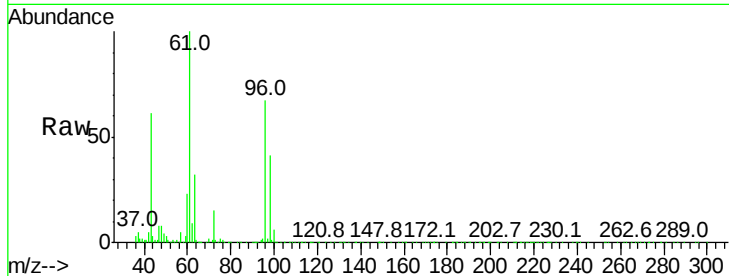


#22

cis-1,2-Dichloroethene
Concen: 3.014 ug/L
RT: 6.67 min Scan# 821
Delta R.T. 0.00 min
Lab File: VR025874.D
Acq: 27 Sep 2018 13:35

Instrument :
MSVOA_R
ClientSampleId :
VSTD00590

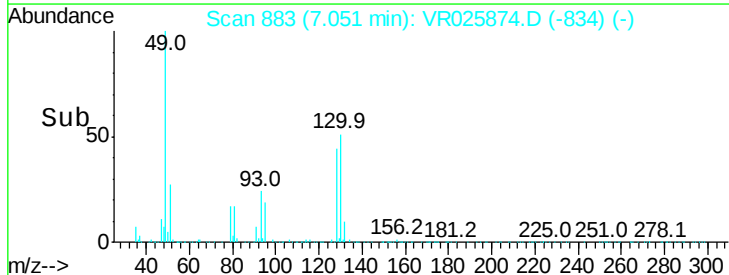
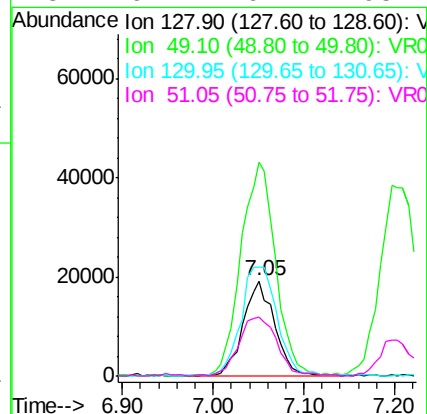
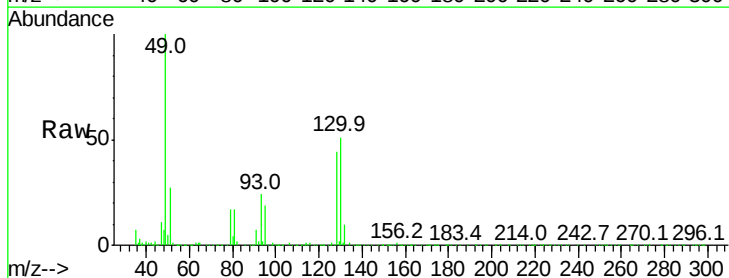
Tgt Ion: 96 Resp: 168046
Ion Ratio Lower Upper
96 100
61 148.2 108.7 201.9
68 0.2 0.1 0.1#

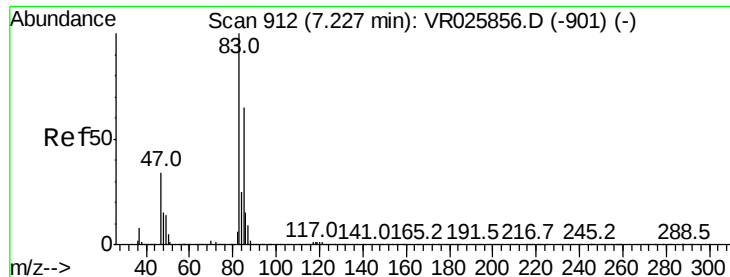


#23

Bromochloromethane
Concen: 3.144 ug/L
RT: 7.05 min Scan# 883
Delta R.T. 0.00 min
Lab File: VR025874.D
Acq: 27 Sep 2018 13:35

Tgt Ion: 128 Resp: 46201
Ion Ratio Lower Upper
128 100
49 224.8 175.0 325.0
130 113.9 85.6 159.0
51 61.7 62.2 93.2#

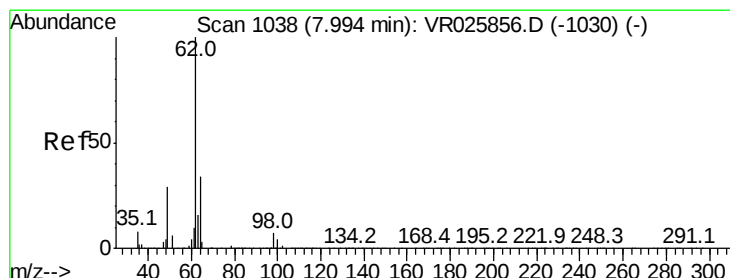
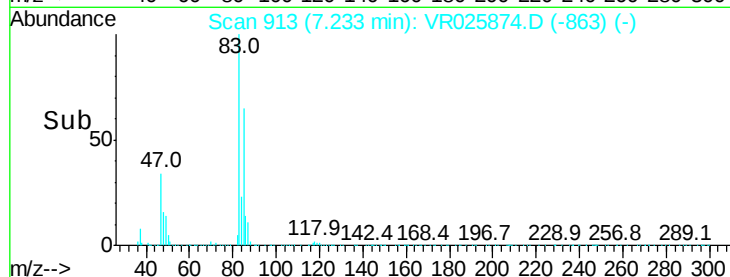
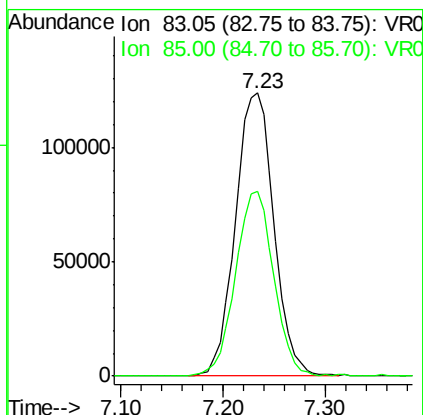
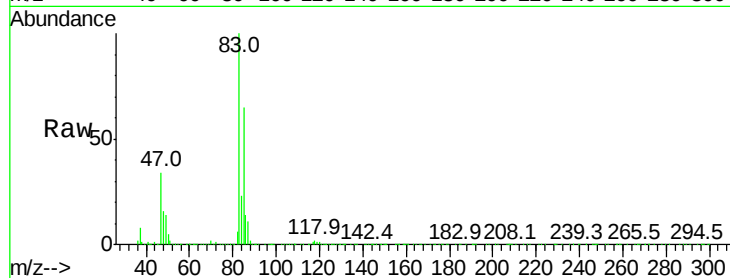




#25
Chloroform
Concen: 3.104 ug/L
RT: 7.23 min Scan# 913
Delta R.T. 0.01 min
Lab File: VR025874.D
Acq: 27 Sep 2018 13:35

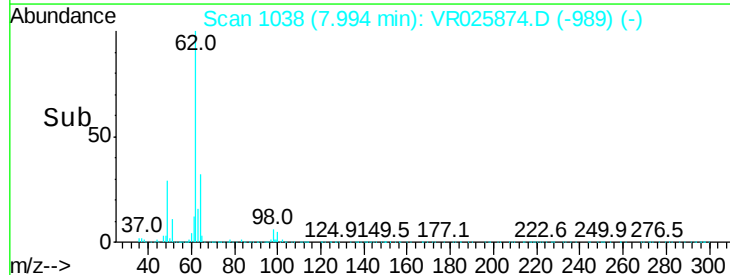
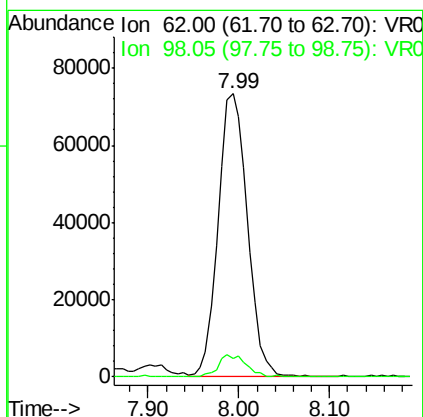
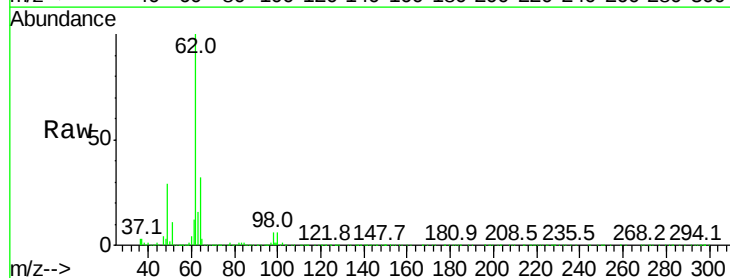
Instrument :
MSVOA_R
ClientSampleId :
VSTD00590

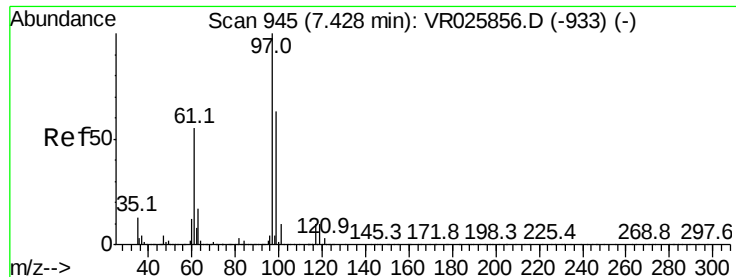
Tgt Ion: 83 Resp: 323010
Ion Ratio Lower Upper
83 100
85 65.3 43.8 81.4



#27
1,2-Dichloroethane
Concen: 3.082 ug/L
RT: 7.99 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VR025874.D
Acq: 27 Sep 2018 13:35

Tgt Ion: 62 Resp: 165787
Ion Ratio Lower Upper
62 100
98 6.4 5.2 7.8

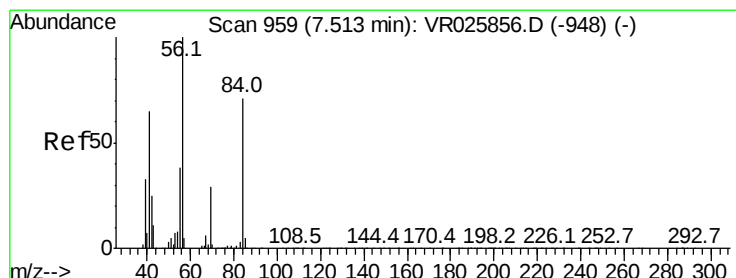
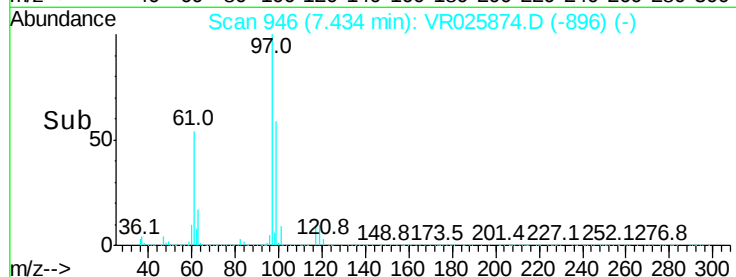
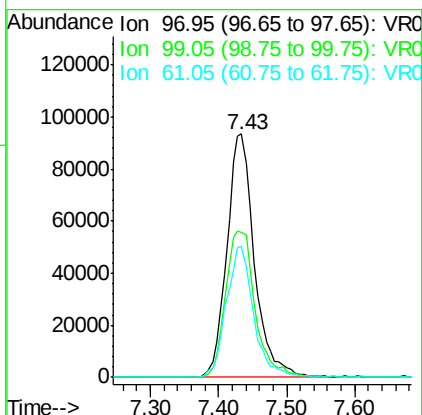
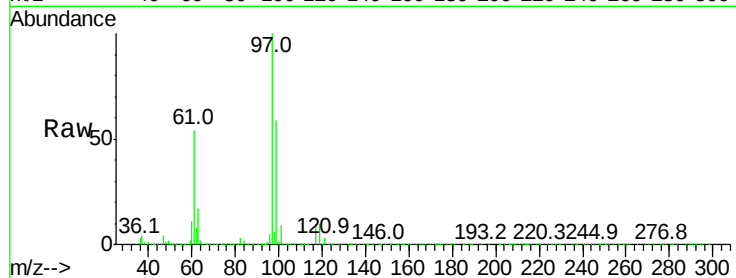




#29
 1,1,1-Trichloroethane
 Concen: 2.675 ug/L
 RT: 7.43 min Scan# 946
 Delta R.T. 0.01 min
 Lab File: VR025874.D
 Acq: 27 Sep 2018 13:35

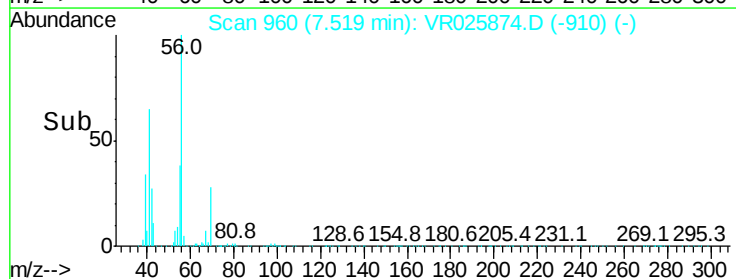
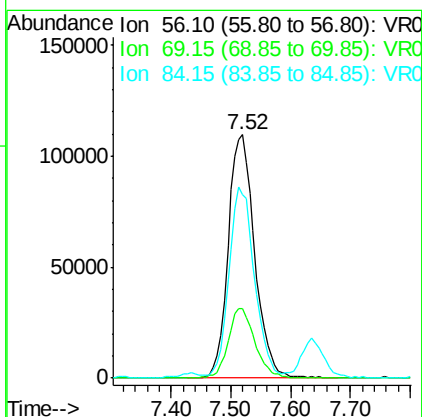
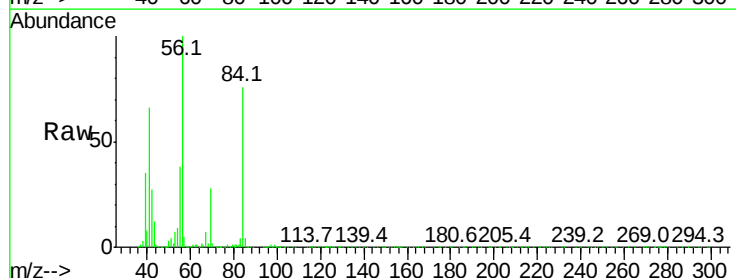
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00590

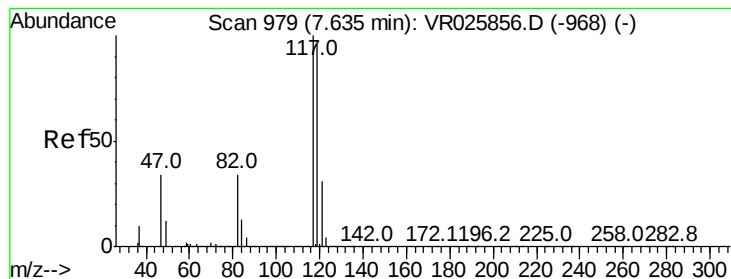
Tgt Ion:	97	Resp:	261819
Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.0	76.6
61	53.5	41.6	62.4



#30
 Cyclohexane
 Concen: 2.898 ug/L
 RT: 7.52 min Scan# 960
 Delta R.T. 0.01 min
 Lab File: VR025874.D
 Acq: 27 Sep 2018 13:35

Tgt Ion:	56	Resp:	338152
Ion	Ratio	Lower	Upper
56	100		
69	28.7	24.8	37.2
84	75.0	59.8	89.8





#31

Carbon tetrachloride

Concen: 2.816 ug/L

RT: 7.63 min Scan# 979

Delta R.T. 0.00 min

Lab File: VR025874.D

Acq: 27 Sep 2018 13:35

Instrument :

MSVOA_R

ClientSampleId :

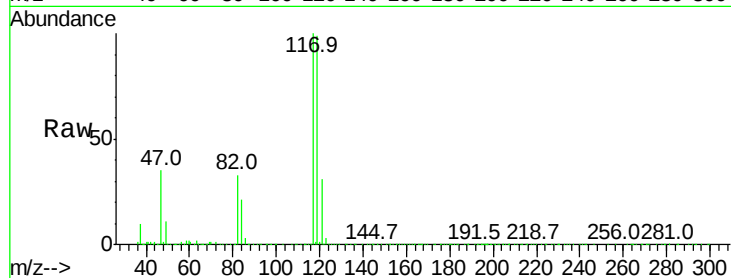
VSTD00590

Tgt Ion:117 Resp: 226813

Ion Ratio Lower Upper

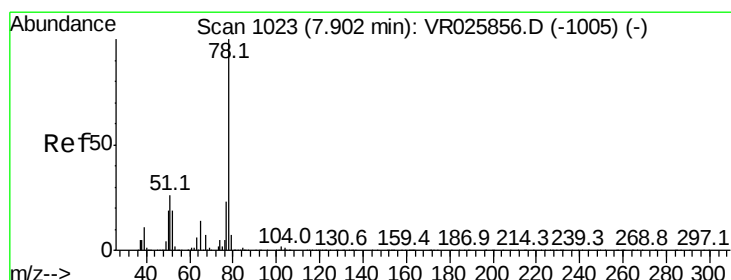
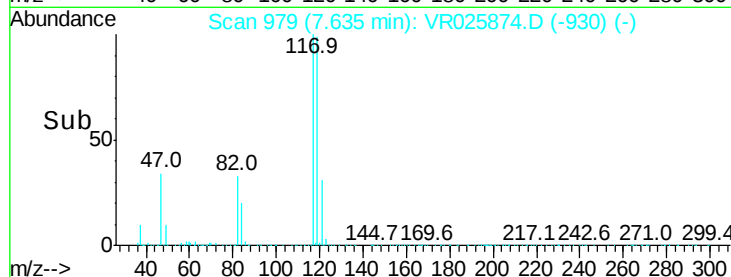
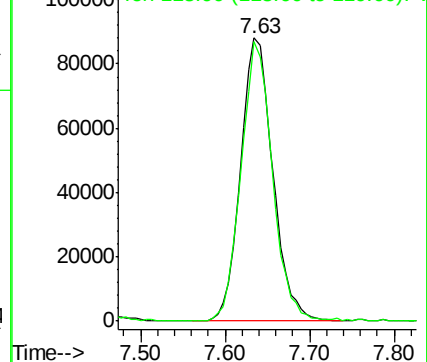
117 100

119 95.6 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: 2.993 ug/L

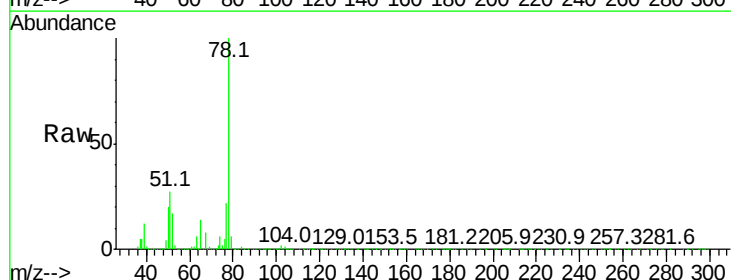
RT: 7.91 min Scan# 1024

Delta R.T. 0.01 min

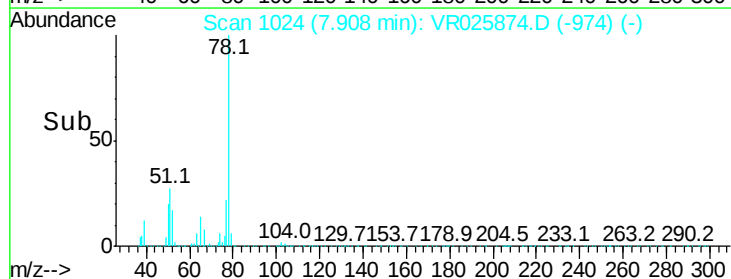
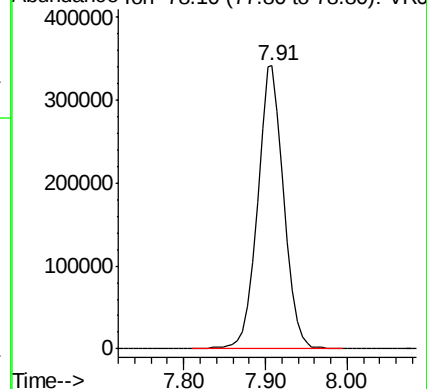
Lab File: VR025874.D

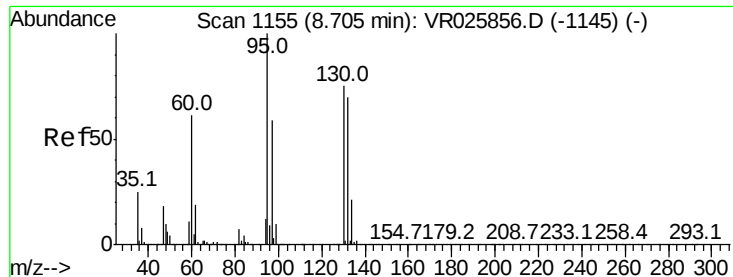
Acq: 27 Sep 2018 13:35

Tgt Ion: 78 Resp: 761463



Abundance Ion 78.10 (77.80 to 78.80): VR0





#34

Trichloroethene

Concen: 2.925 ug/L

RT: 8.71 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VR025874.D

Acq: 27 Sep 2018 13:35

Instrument :

MSVOA_R

ClientSampleId :

VSTD00590

Tgt Ion: 95 Resp: 197504

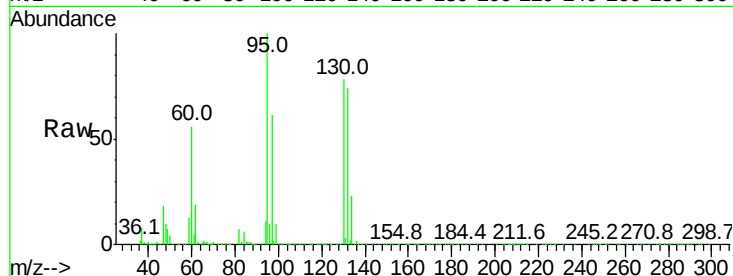
Ion Ratio Lower Upper

95 100

97 61.0 43.9 81.5

132 74.0 53.3 98.9

130 77.9 53.8 99.8

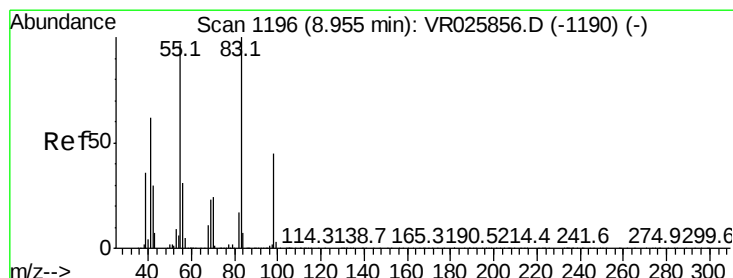
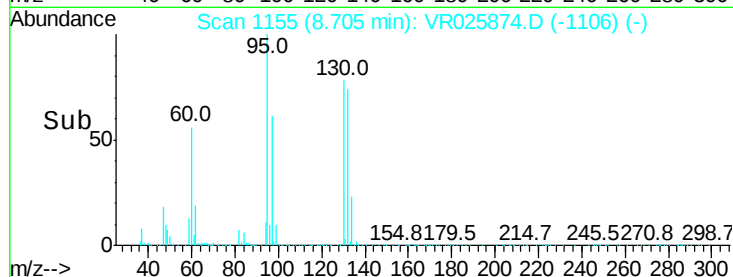
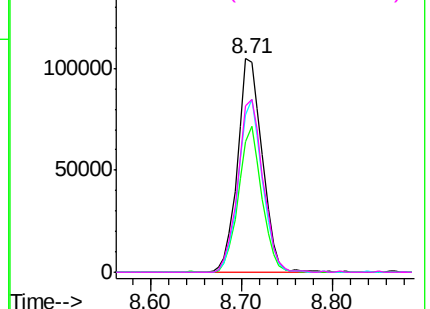


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 2.966 ug/L

RT: 8.95 min Scan# 1196

Delta R.T. 0.00 min

Lab File: VR025874.D

Acq: 27 Sep 2018 13:35

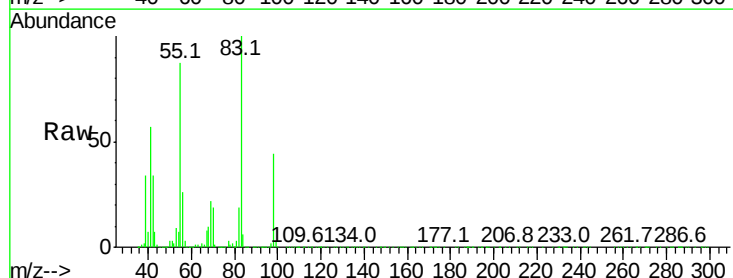
Tgt Ion: 83 Resp: 328459

Ion Ratio Lower Upper

83 100

55 90.2 71.8 107.6

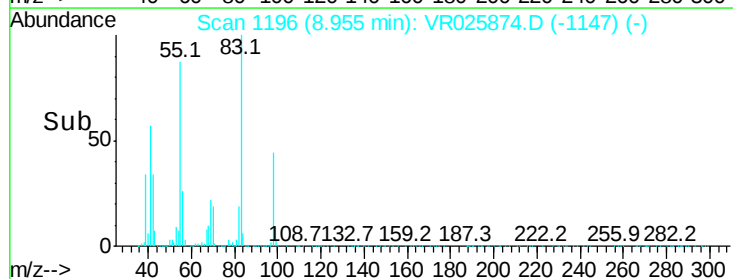
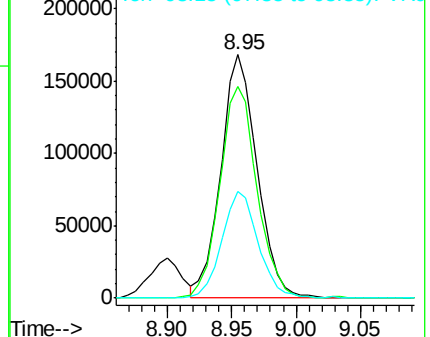
98 44.6 34.2 51.4

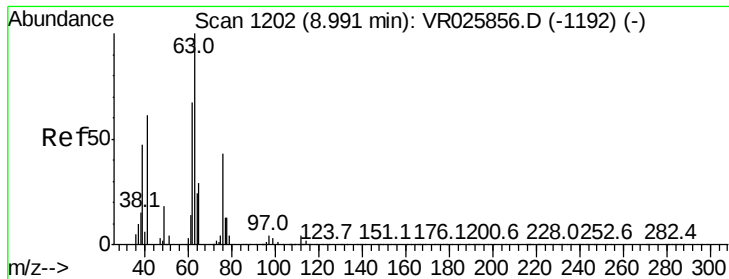


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 2.987 ug/L

RT: 9.00 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VR025874.D

Acq: 27 Sep 2018 13:35

Instrument :

MSVOA_R

ClientSampleId :

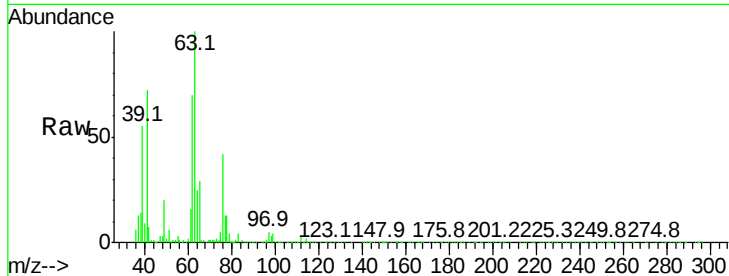
VSTD00590

Tgt Ion: 63 Resp: 169453

Ion Ratio Lower Upper

63 100

112 3.6 2.5 3.7



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 112.10 (111.80 to 112.80): V

9.00

100000

80000

60000

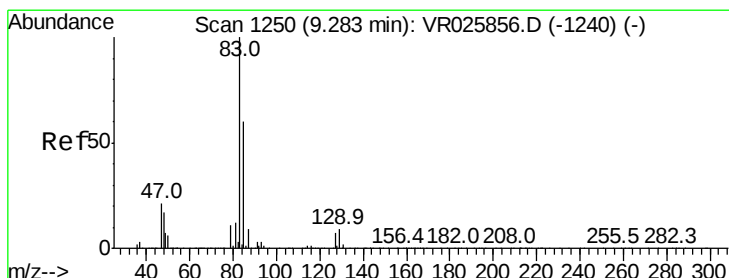
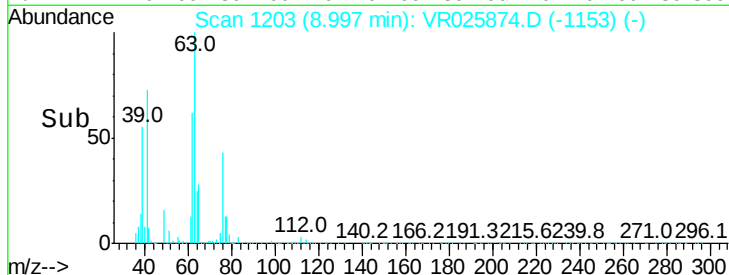
40000

20000

0

8.90 9.00 9.10

Time-->



#38

Bromodichloromethane

Concen: 2.898 ug/L

RT: 9.28 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VR025874.D

Acq: 27 Sep 2018 13:35

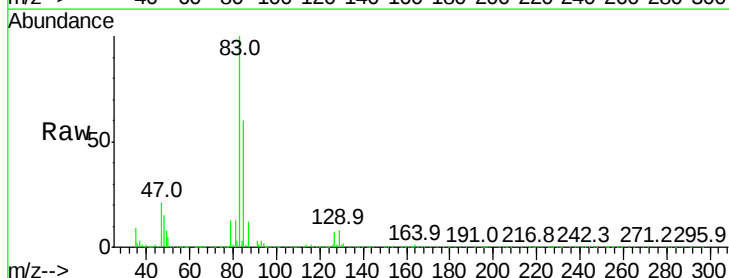
Tgt Ion: 83 Resp: 181475

Ion Ratio Lower Upper

83 100

85 60.2 42.8 79.4

127 6.9 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

9.28

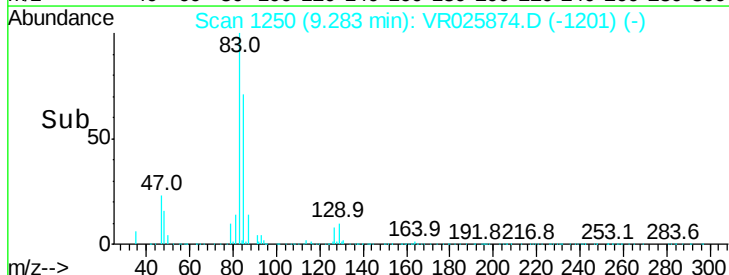
100000

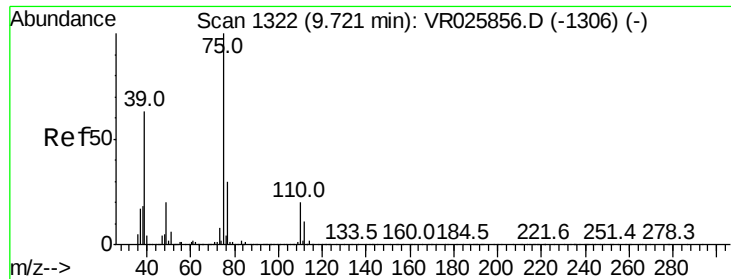
50000

0

9.20 9.25 9.30 9.35 9.40

Time-->





#39

cis-1,3-Dichloropropene

Concen: 2.899 ug/L

RT: 9.72 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VR025874.D

Acq: 27 Sep 2018 13:35

Instrument :

MSVOA_R

ClientSampleId :

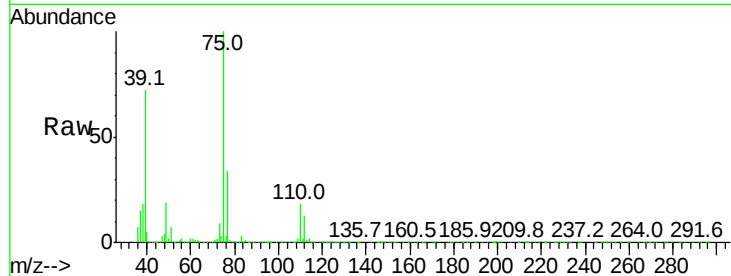
VSTD00590

Tgt Ion: 75 Resp: 201300

Ion Ratio Lower Upper

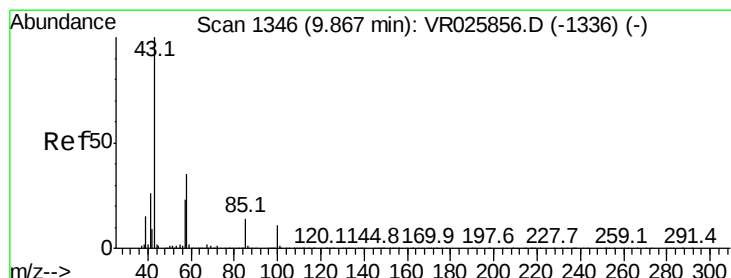
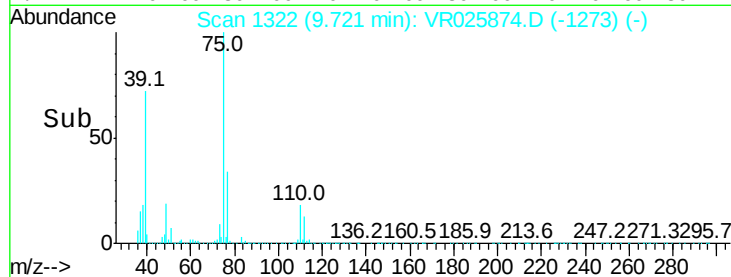
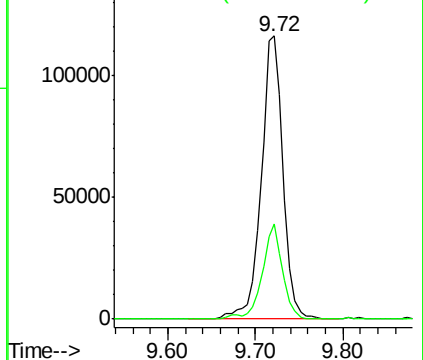
75 100

77 33.7 21.5 39.9



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0



#40

4-Methyl-2-pentanone

Concen: 30.489 ug/L

RT: 9.87 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VR025874.D

Acq: 27 Sep 2018 13:35

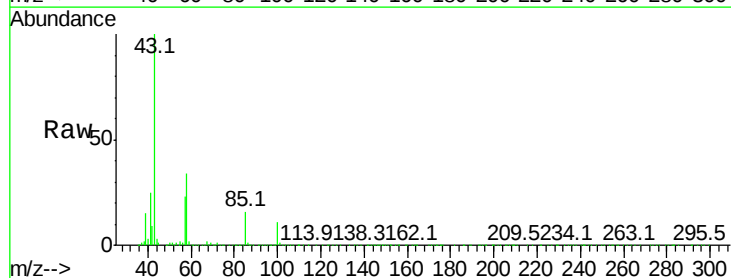
Tgt Ion: 43 Resp: 602158

Ion Ratio Lower Upper

43 100

58 34.0 28.6 43.0

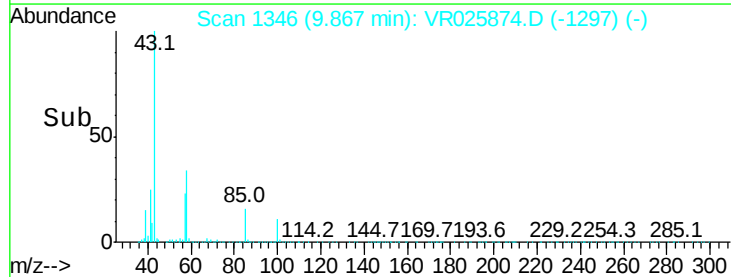
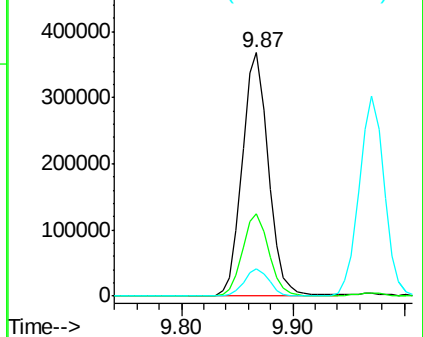
100 10.9 9.0 13.4

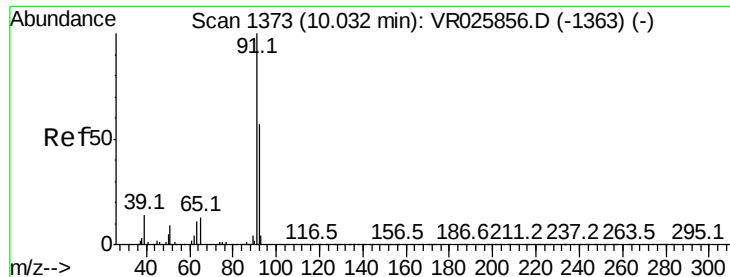


Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 100.15 (99.85 to 100.85): VR0





#42

Toluene

Concen: 3.143 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. 0.01 min

Lab File: VR025874.D

Acq: 27 Sep 2018 13:35

Instrument :

MSVOA_R

ClientSampleId :

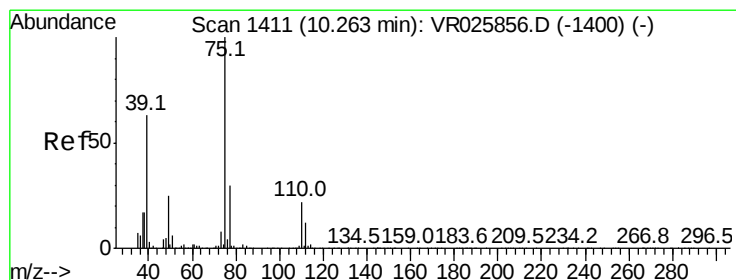
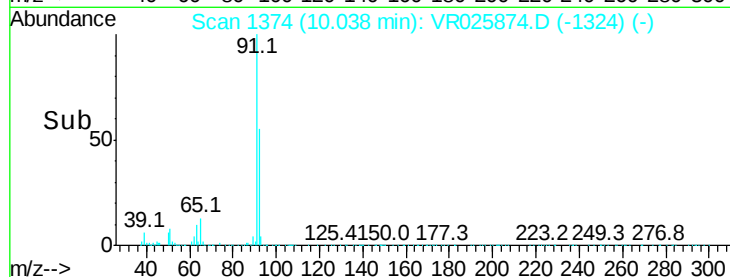
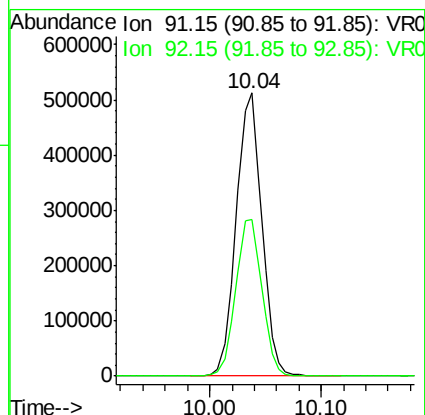
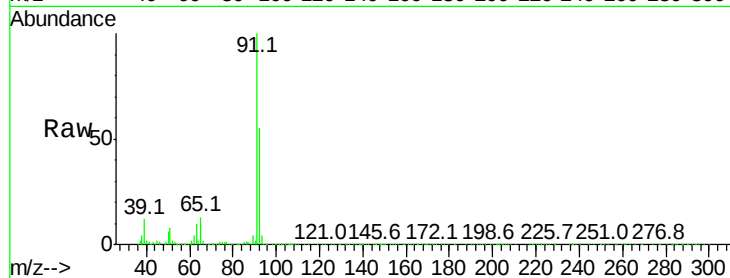
VSTD00590

Tgt Ion: 91 Resp: 815104

Ion Ratio Lower Upper

91 100

92 55.4 41.8 77.6



#44

trans-1,3-Dichloropropene

Concen: 2.635 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR025874.D

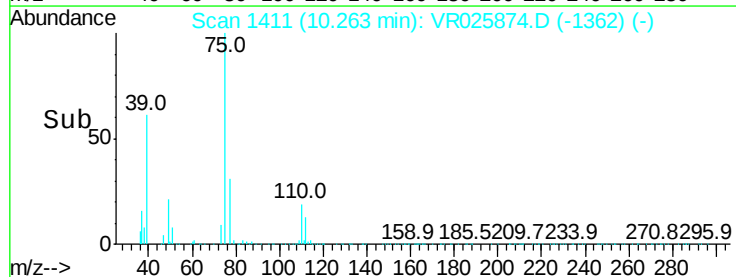
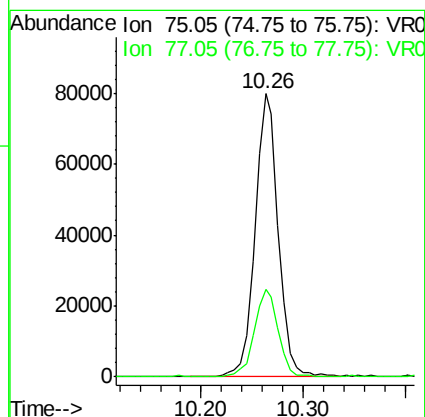
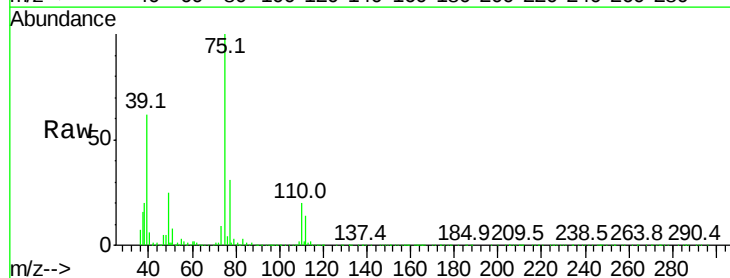
Acq: 27 Sep 2018 13:35

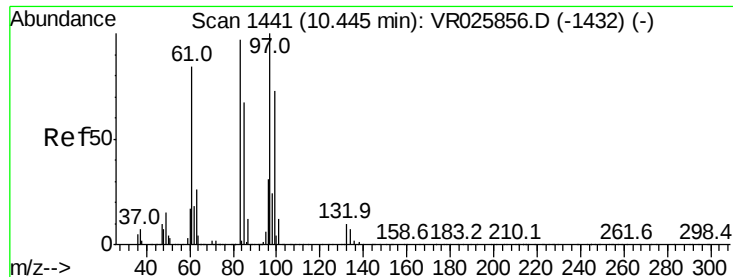
Tgt Ion: 75 Resp: 126832

Ion Ratio Lower Upper

75 100

77 31.1 23.0 42.8





#45

1,1,2-Trichloroethane

Concen: 3.090 ug/L

RT: 10.45 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VR025874.D

Acq: 27 Sep 2018 13:35

Instrument :

MSVOA_R

ClientSampleId :

VSTD00590

Tgt Ion: 97 Resp: 73479

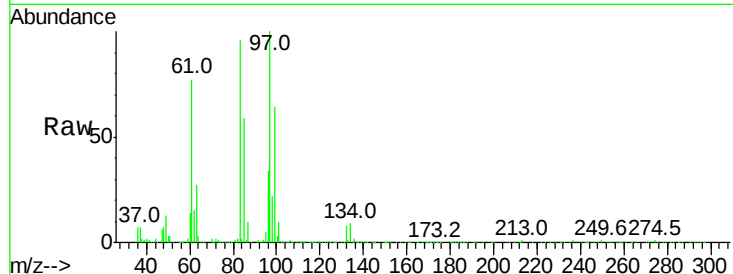
Ion Ratio Lower Upper

97 100

99 64.2 39.6 73.6

83 96.2 62.2 115.6

85 58.9 39.1 72.7

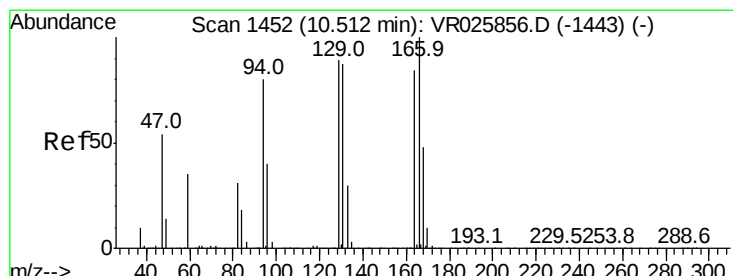
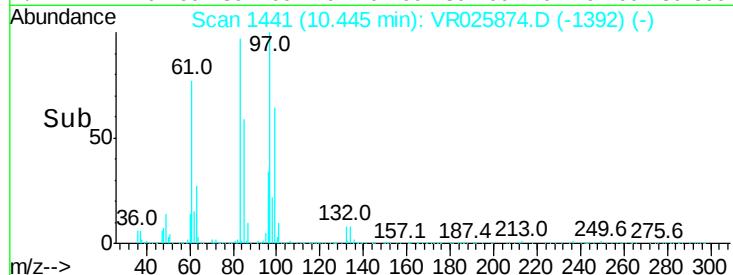
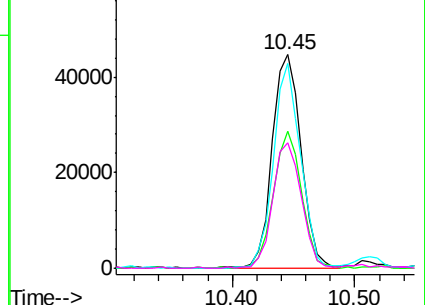


Abundance Ion 96.95 (96.65 to 97.65): VR0

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: 3.271 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VR025874.D

Acq: 27 Sep 2018 13:35

Tgt Ion: 164 Resp: 126316

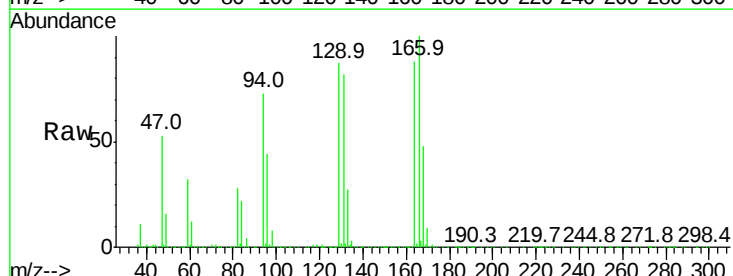
Ion Ratio Lower Upper

164 100

129 99.2 80.8 150.2

131 93.2 74.5 138.3

166 114.0 92.5 171.7

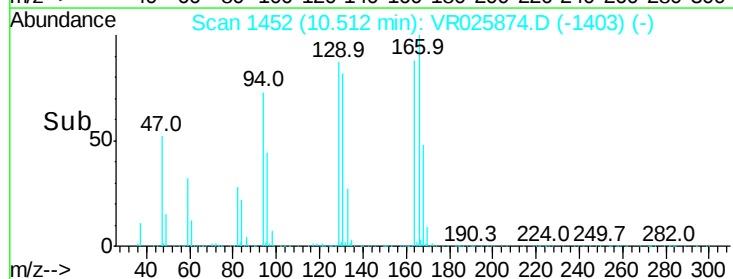
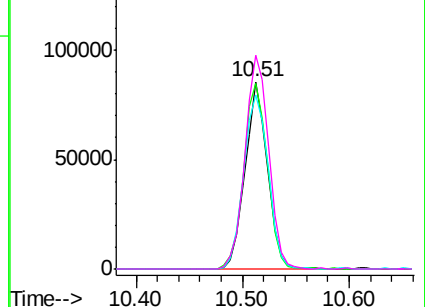


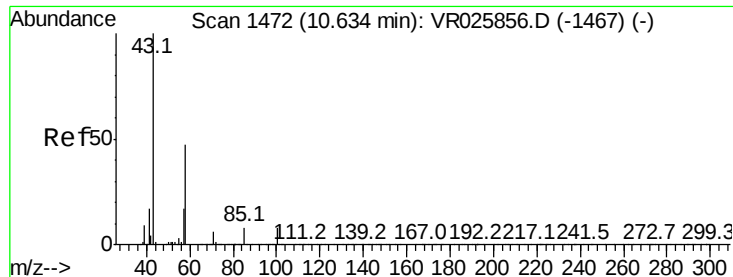
Abundance Ion 163.90 (163.60 to 164.60): V

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

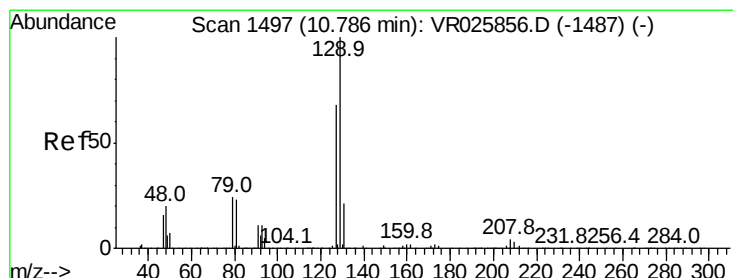
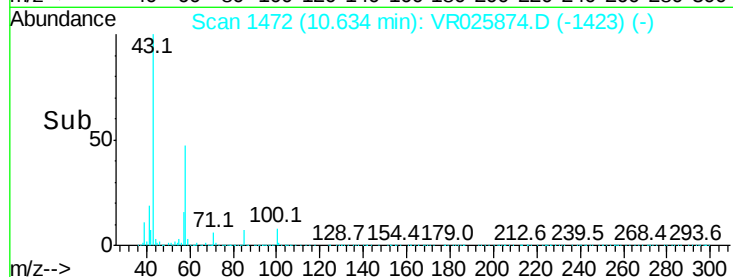
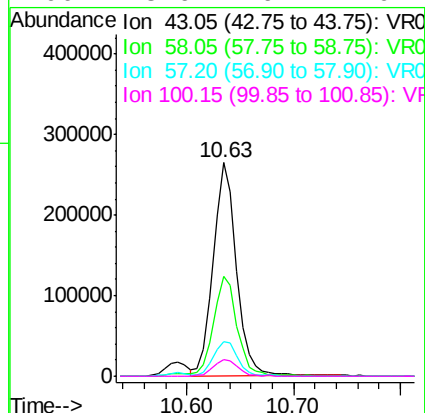
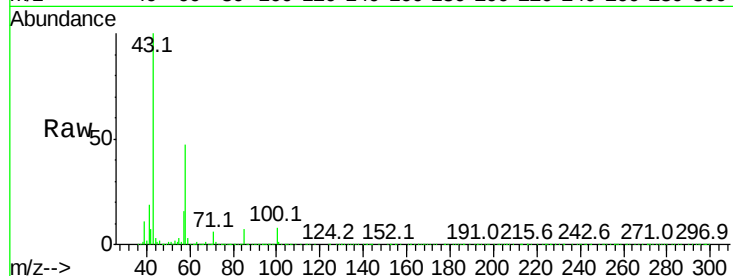




#48
2-Hexanone
Concen: 30.487 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR025874.D
Acq: 27 Sep 2018 13:35

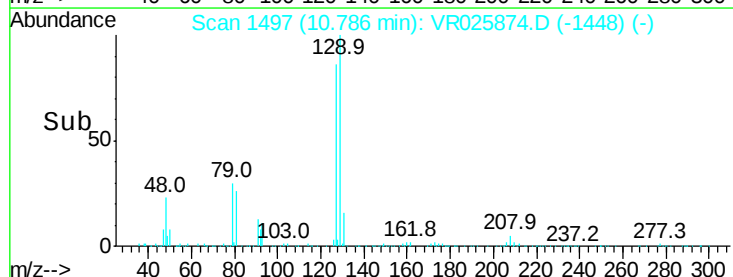
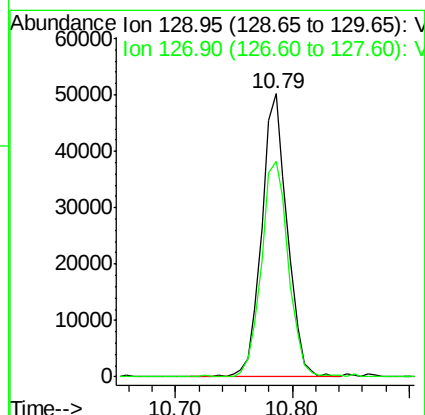
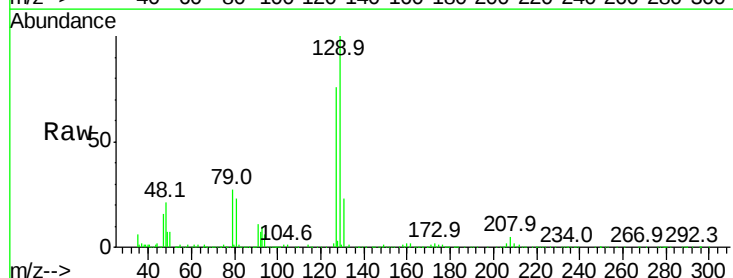
Instrument :
MSVOA_R
ClientSampleId :
VSTD00590

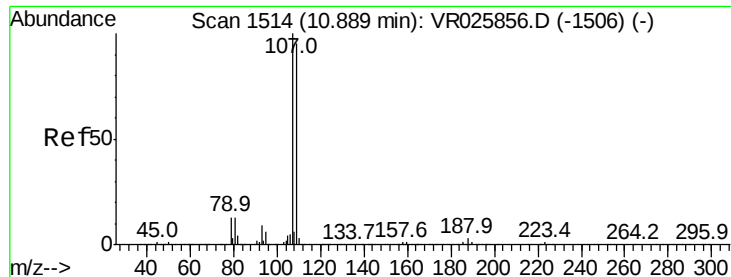
Tgt Ion:	43	Resp:	395977
Ion	Ratio	Lower	Upper
43	100		
58	49.3	39.5	59.3
57	17.0	14.6	21.8
100	8.6	6.7	10.1



#49
Dibromochloromethane
Concen: 3.075 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.00 min
Lab File: VR025874.D
Acq: 27 Sep 2018 13:35

Tgt Ion:	129	Resp:	76181
Ion	Ratio	Lower	Upper
129	100		
127	76.3	54.1	100.5

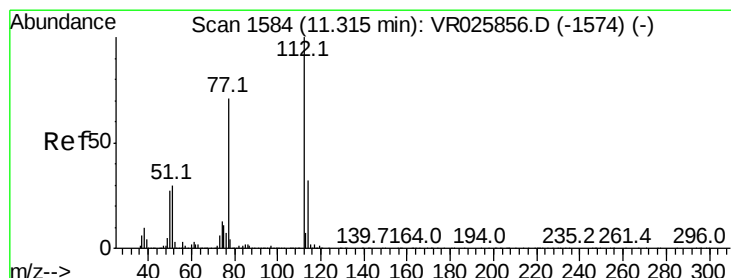
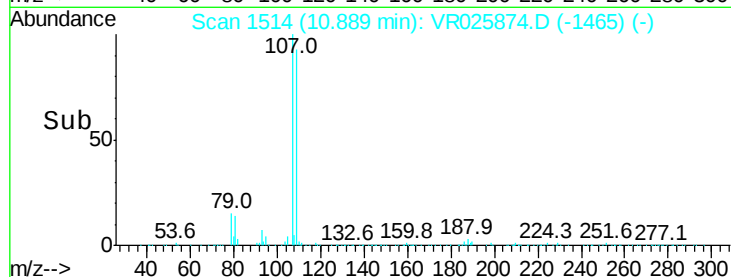
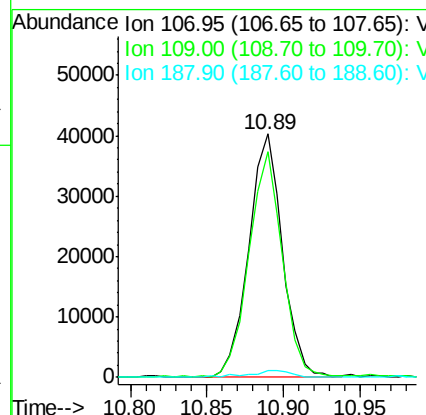
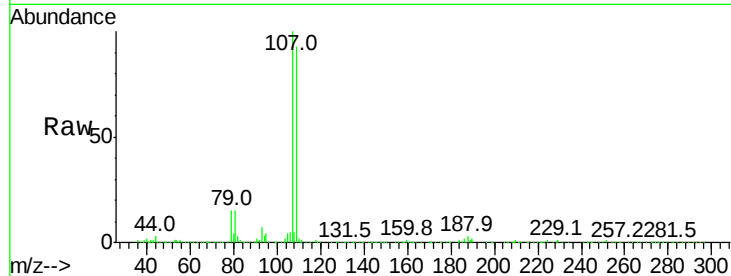




#50
1,2-Dibromoethane
Concen: 2.939 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VR025874.D
Acq: 27 Sep 2018 13:35

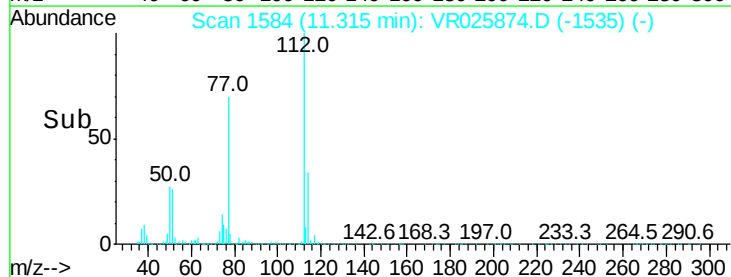
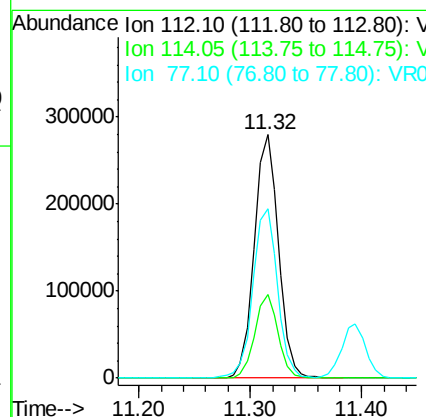
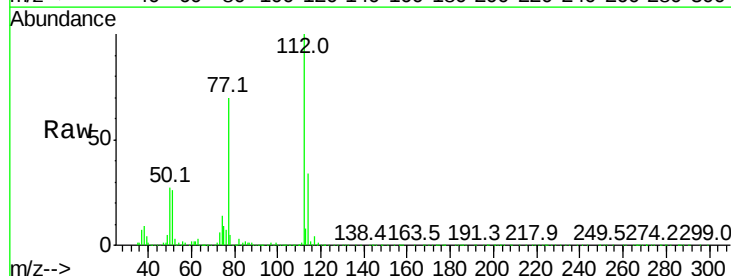
Instrument :
MSVOA_R
ClientSampleId :
VSTD00590

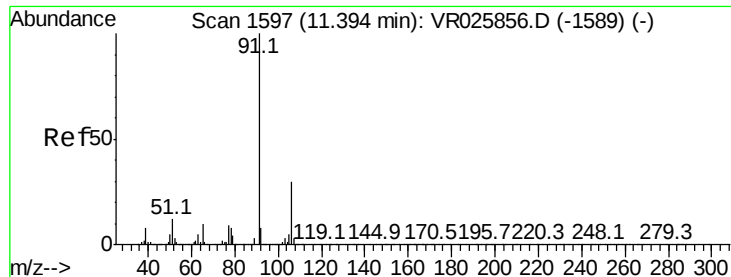
Tgt Ion:107 Resp: 61516
Ion Ratio Lower Upper
107 100
109 92.7 63.5 117.9
188 3.0 1.7 2.5#



#51
Chlorobenzene
Concen: 3.103 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VR025874.D
Acq: 27 Sep 2018 13:35

Tgt Ion:112 Resp: 422111
Ion Ratio Lower Upper
112 100
114 34.1 22.7 42.3
77 69.8 58.5 87.7





#52

Ethylbenzene

Concen: 3.136 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR025874.D

Acq: 27 Sep 2018 13:35

Instrument :

MSVOA_R

ClientSampleId :

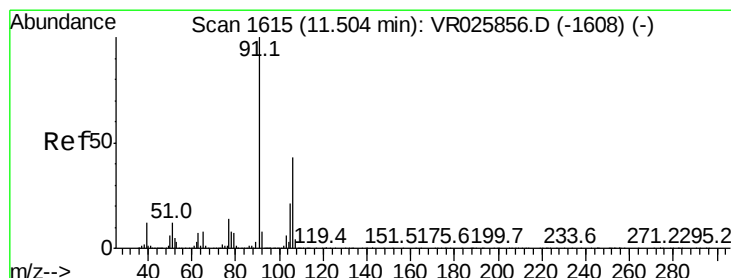
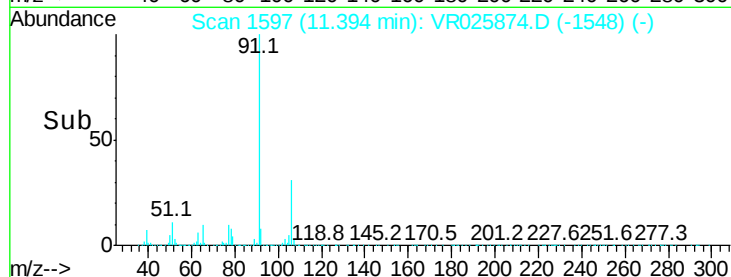
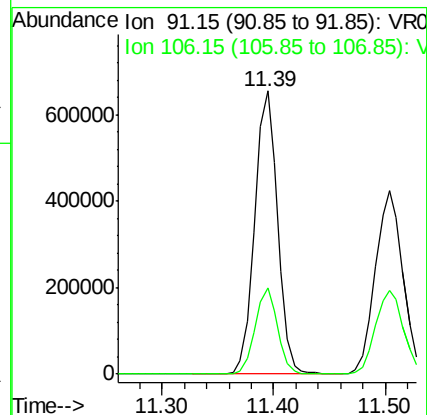
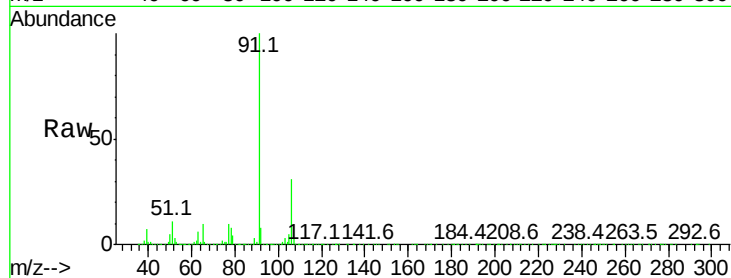
VSTD00590

Tgt Ion: 91 Resp: 935517

Ion Ratio Lower Upper

91 100

106 30.7 20.6 38.4



#53

m,p-Xylene

Concen: 3.115 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR025874.D

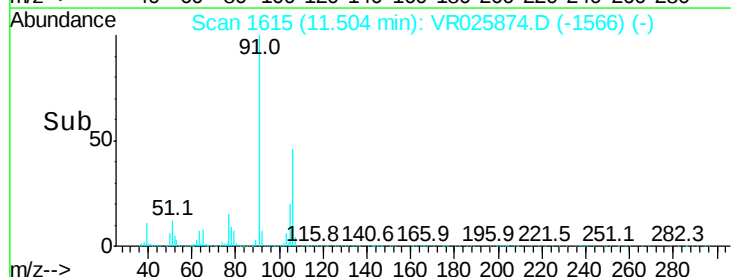
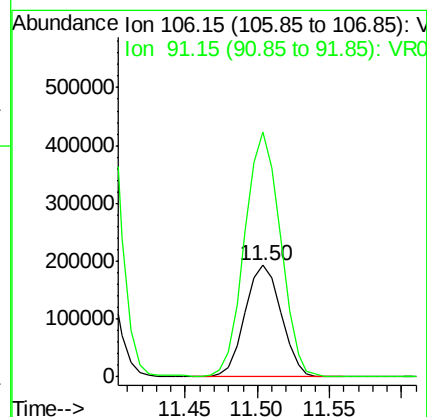
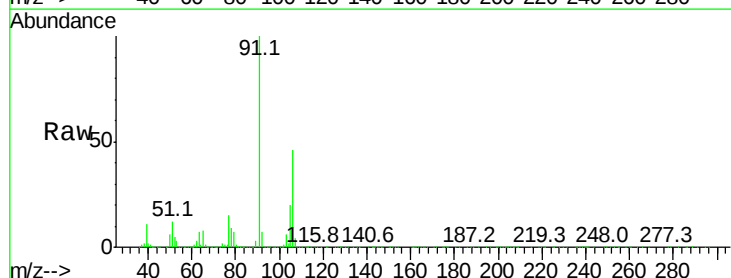
Acq: 27 Sep 2018 13:35

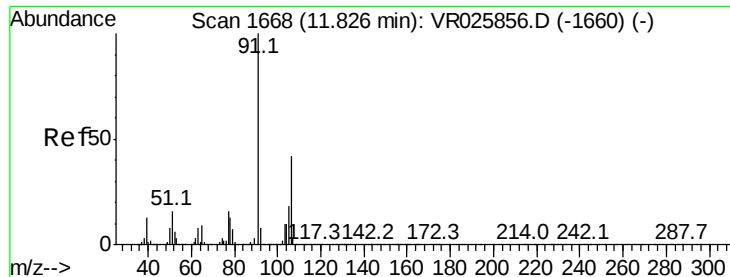
Tgt Ion: 106 Resp: 335067

Ion Ratio Lower Upper

106 100

91 219.1 159.7 296.5





#54

o-Xylene

Concen: 3.081 ug/L

RT: 11.83 min Scan# 1669

Delta R.T. 0.01 min

Lab File: VR025874.D

Acq: 27 Sep 2018 13:35

Instrument :

MSVOA_R

ClientSampled :

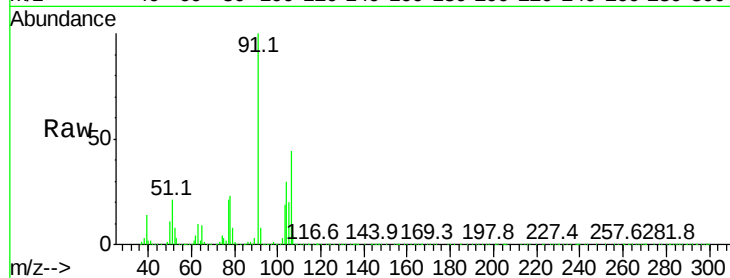
VSTD00590

Tgt Ion:106 Resp: 303475

Ion Ratio Lower Upper

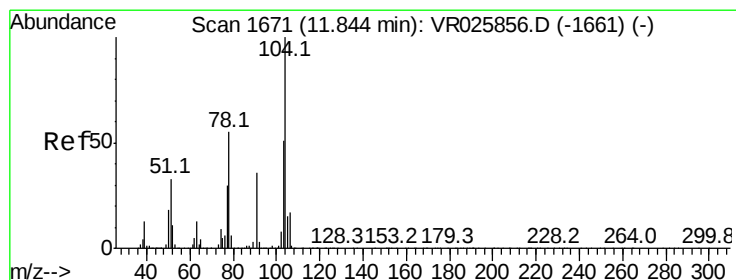
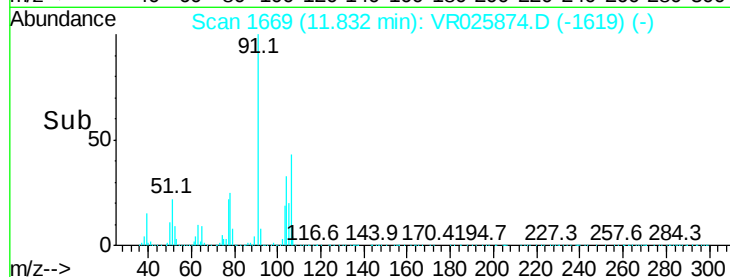
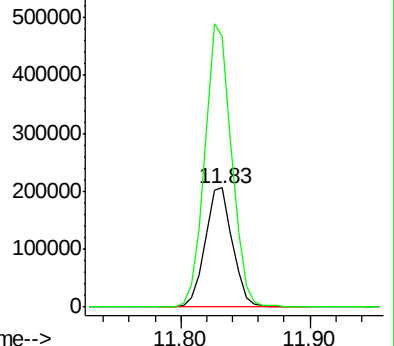
106 100

91 227.0 164.5 305.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0



#55

Styrene

Concen: 3.200 ug/L

RT: 11.84 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VR025874.D

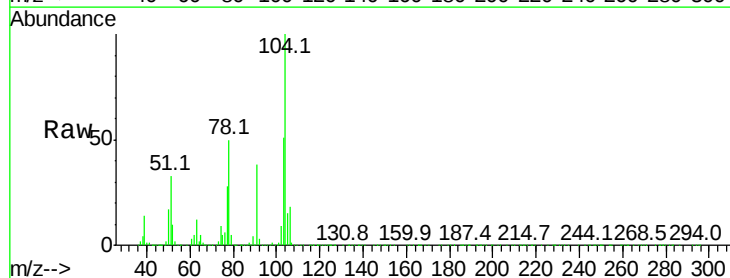
Acq: 27 Sep 2018 13:35

Tgt Ion:104 Resp: 488379

Ion Ratio Lower Upper

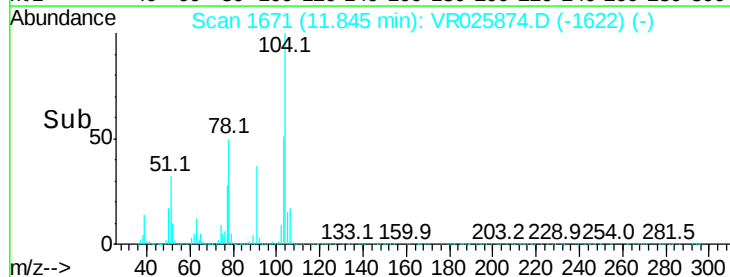
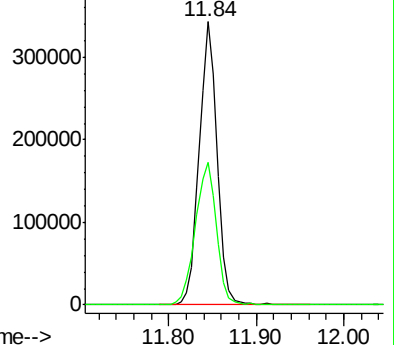
104 100

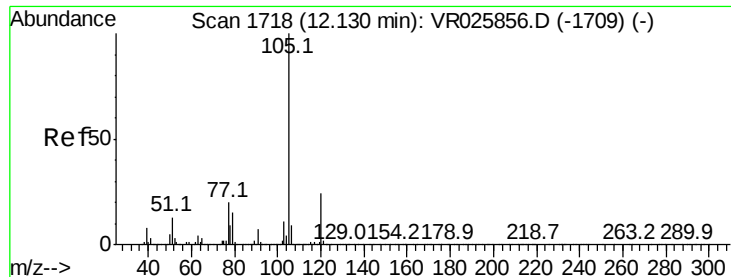
78 50.3 39.3 72.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VR0





#56

Isopropylbenzene

Concen: 3.145 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR025874.D

Acq: 27 Sep 2018 13:35

Instrument :

MSVOA_R

ClientSampleId :

VSTD00590

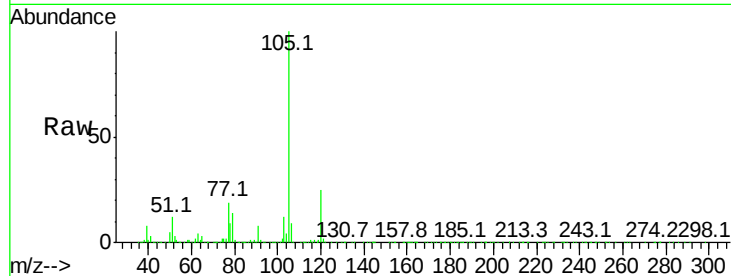
Tgt Ion: 105 Resp: 867129

Ion Ratio Lower Upper

105 100

120 24.9 19.8 29.8

77 18.5 15.5 23.3

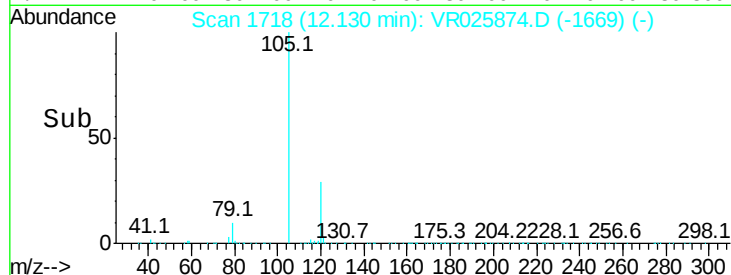


Abundance Ion 105.05 (104.75 to 105.75): V

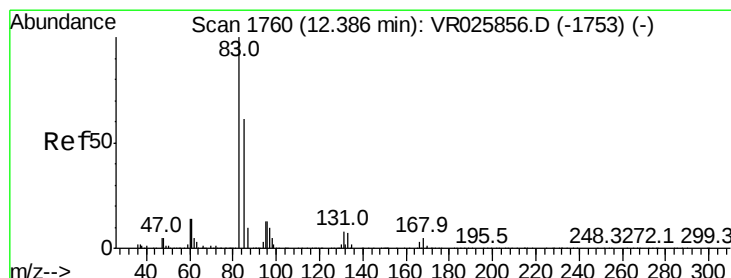
Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V

Time--> 12.00 12.10 12.20



Time--> 12.00 12.10 12.20



#58

1,1,2,2-Tetrachloroethane

Concen: 3.100 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. 0.00 min

Lab File: VR025874.D

Acq: 27 Sep 2018 13:35

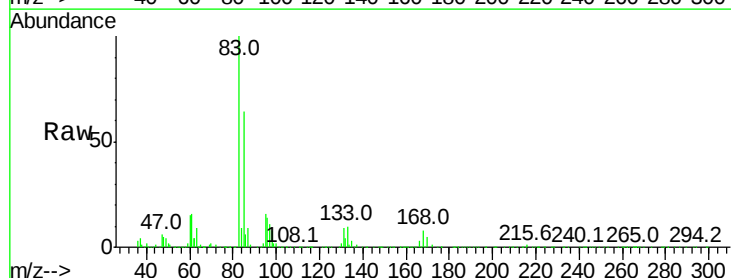
Tgt Ion: 83 Resp: 72335

Ion Ratio Lower Upper

83 100

85 64.2 45.8 85.0

131 9.2 6.6 9.8

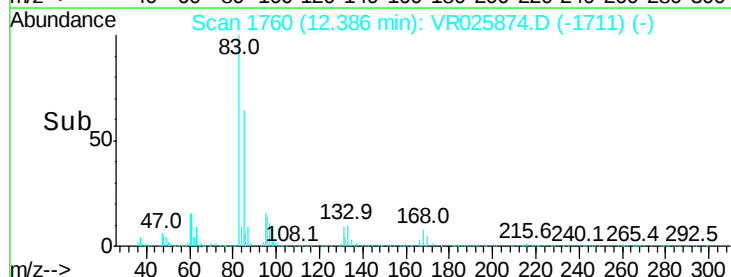


Abundance Ion 82.95 (82.65 to 83.65): V

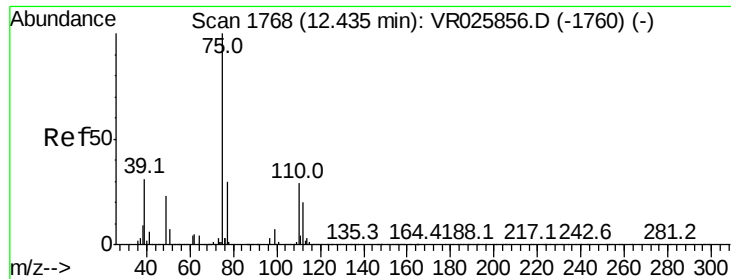
Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

Time--> 12.35 12.40



Time--> 12.35 12.40



#59

1,2,3-Trichloropropane

Concen: 2.825 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VR025874.D

Acq: 27 Sep 2018 13:35

Instrument :

MSVOA_R

ClientSampleId :

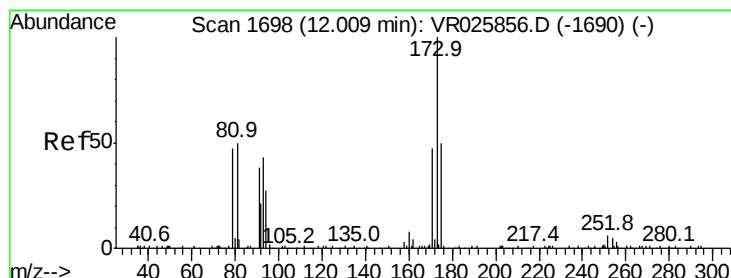
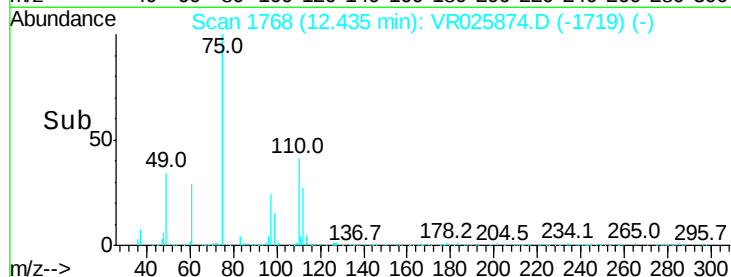
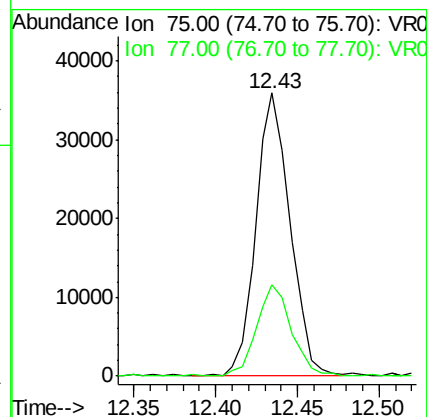
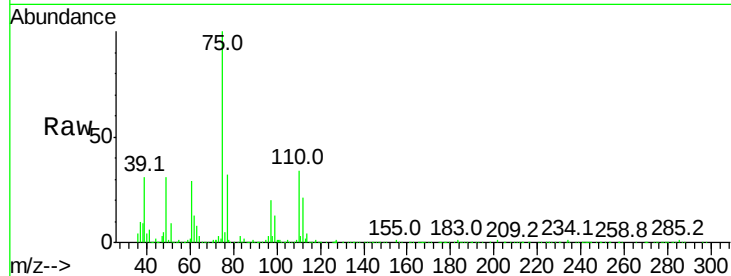
VSTD00590

Tgt Ion: 75 Resp: 52336

Ion Ratio Lower Upper

75 100

77 32.9 25.8 38.6



#61

Bromoform

Concen: 3.172 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VR025874.D

Acq: 27 Sep 2018 13:35

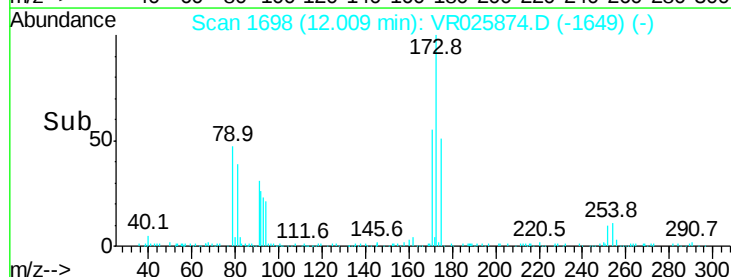
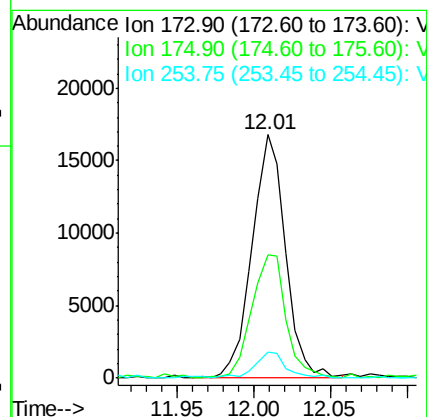
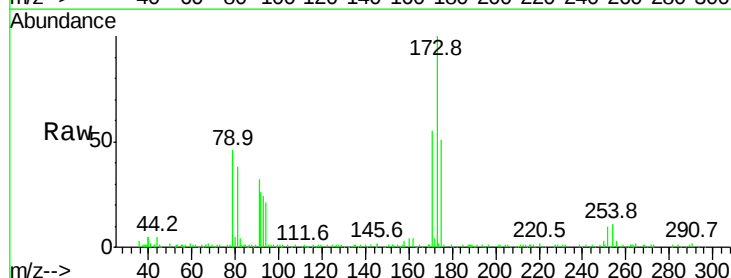
Tgt Ion: 173 Resp: 25569

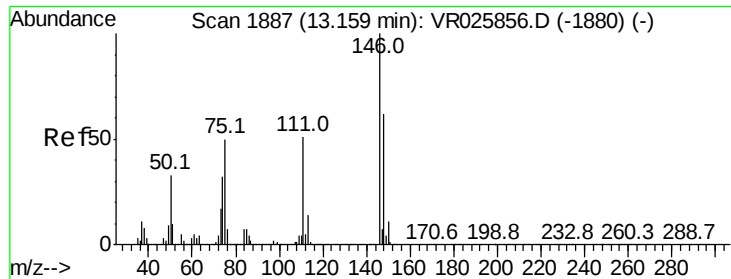
Ion Ratio Lower Upper

173 100

175 52.3 36.9 55.3

254 10.1 6.6 10.0#





#62

1,3-Dichlorobenzene

Concen: 3.100 ug/L

RT: 13.16 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VR025874.D

Acq: 27 Sep 2018 13:35

Instrument :

MSVOA_R

ClientSampleId :

VSTD00590

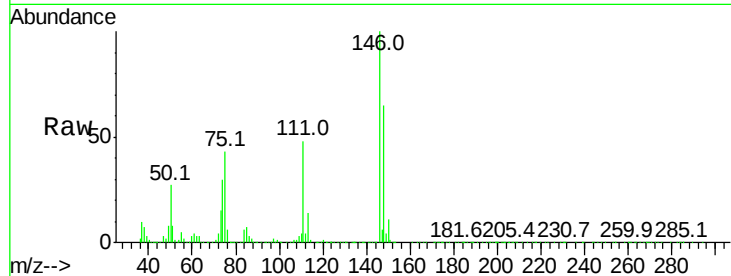
Tgt Ion:146 Resp: 247796

Ion Ratio Lower Upper

146 100

111 47.6 36.6 68.0

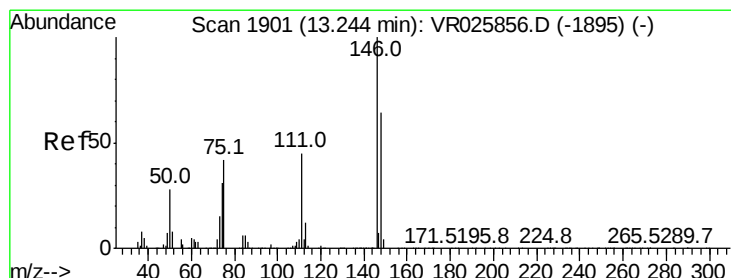
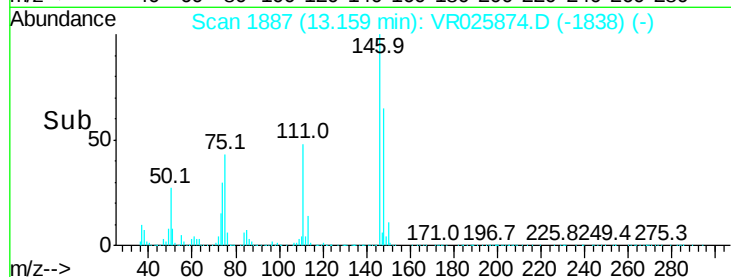
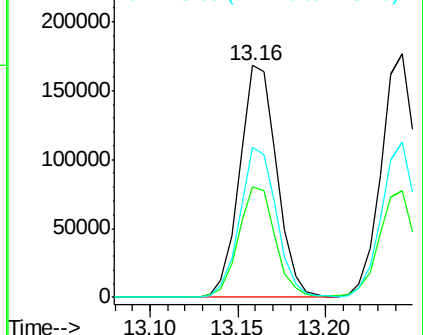
148 64.8 41.9 77.7



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: 3.207 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VR025874.D

Acq: 27 Sep 2018 13:35

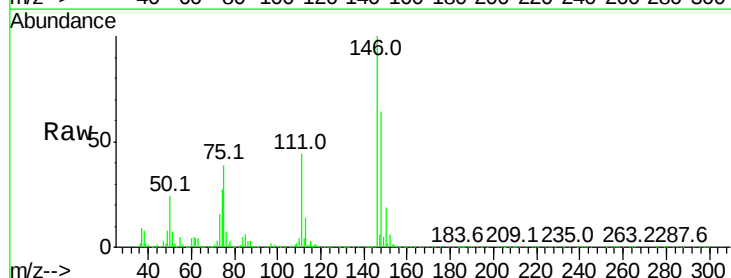
Tgt Ion:146 Resp: 247410

Ion Ratio Lower Upper

146 100

111 43.6 32.9 61.1

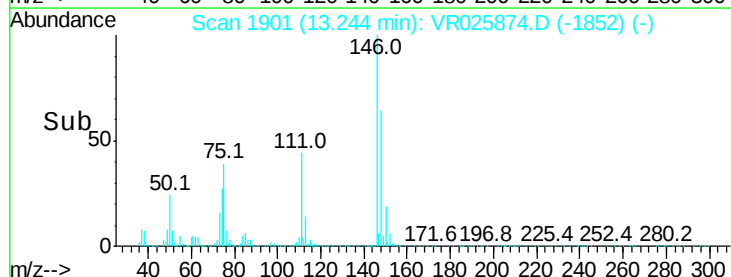
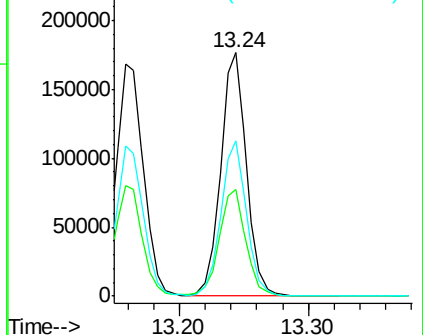
148 63.6 45.5 84.5

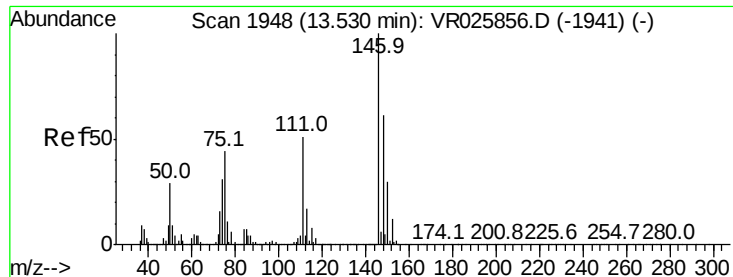


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 3.180 ug/L

RT: 13.53 min Scan# 1948

Delta R.T. 0.00 min

Lab File: VR025874.D

Acq: 27 Sep 2018 13:35

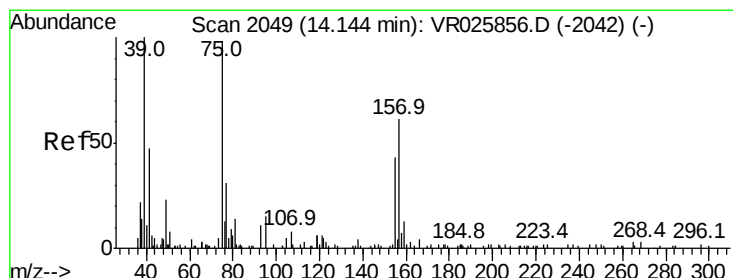
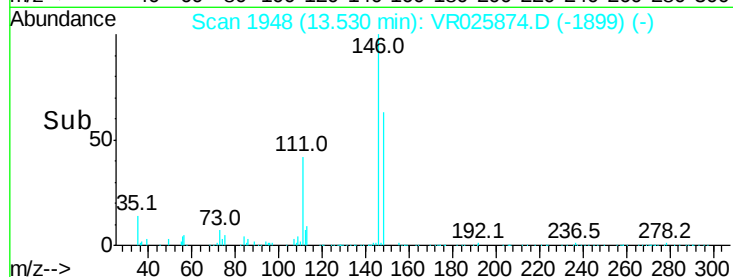
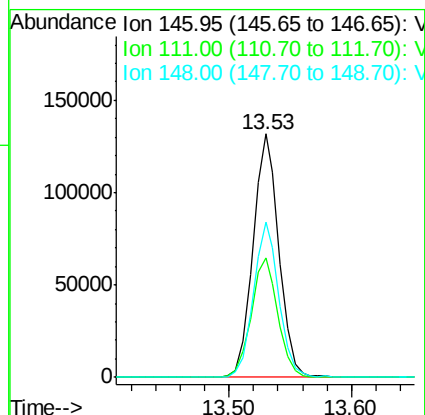
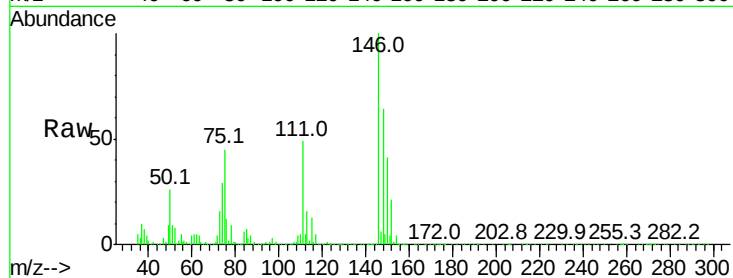
Instrument :

MSVOA_R

ClientSampleId :

VSTD00590

Tgt Ion:	146	Resp:	193537
Ion	Ratio	Lower	Upper
146	100		
111	49.2	39.4	59.0
148	63.6	53.5	80.3



#66

1,2-Dibromo-3-chloropropane

Concen: 2.290 ug/L

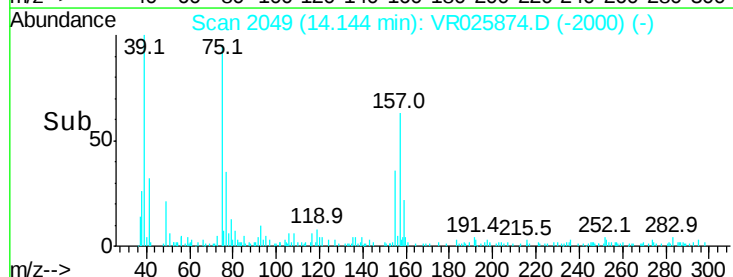
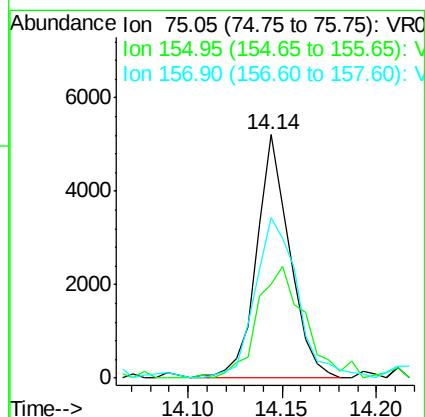
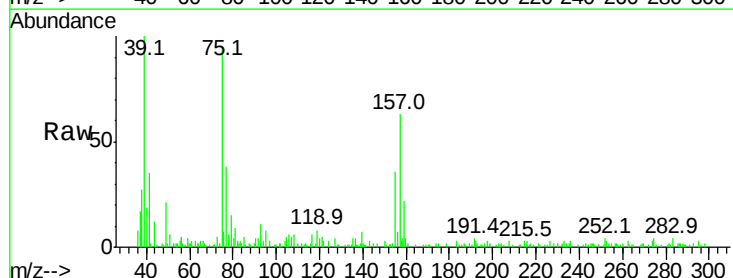
RT: 14.14 min Scan# 2049

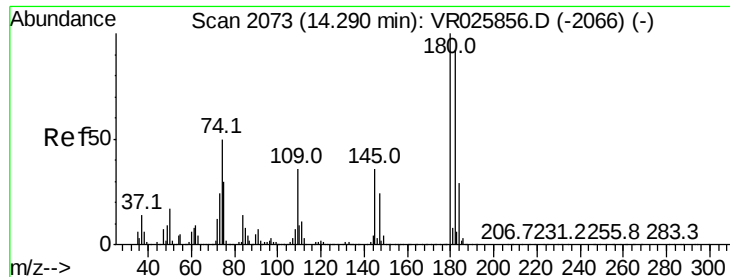
Delta R.T. 0.00 min

Lab File: VR025874.D

Acq: 27 Sep 2018 13:35

Tgt Ion:	75	Resp:	6371
Ion	Ratio	Lower	Upper
75	100		
155	38.3	37.8	56.6
157	66.1	49.7	74.5

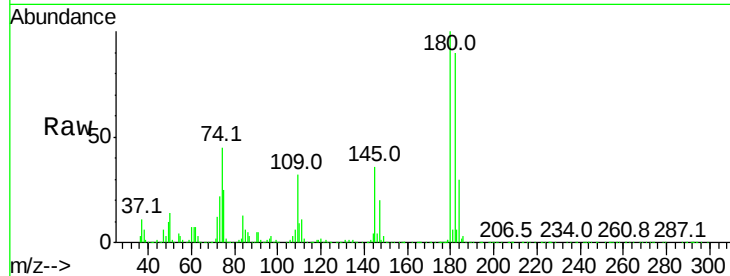




#67
 1,3,5-Trichlorobenzene
 Concen: 3.246 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VR025874.D
 Acq: 27 Sep 2018 13:35

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00590

Tgt Ion:	180	Resp:	146372
Ion Ratio	Lower	Upper	
180	100		
182	93.0	77.2	115.8
184	30.5	24.5	36.7
145	34.6	31.1	46.7

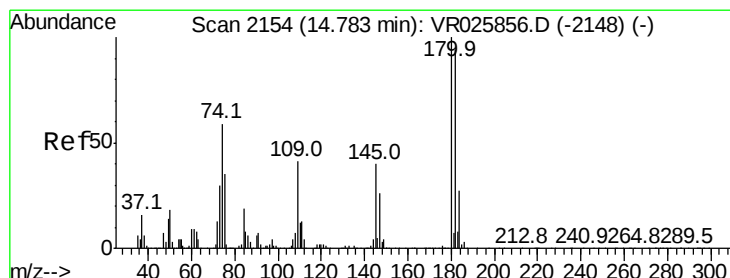
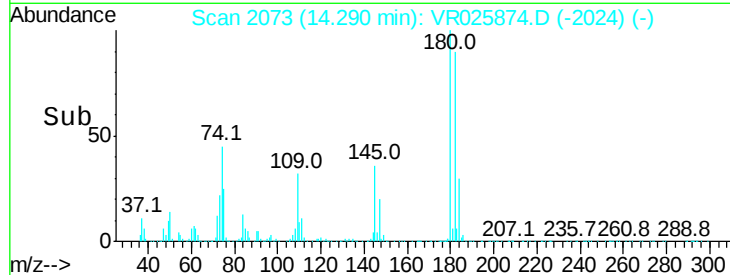
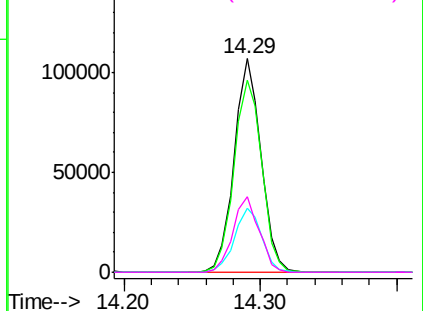


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

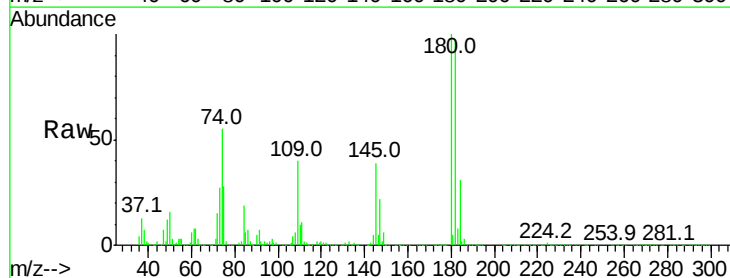
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 3.095 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VR025874.D
 Acq: 27 Sep 2018 13:35

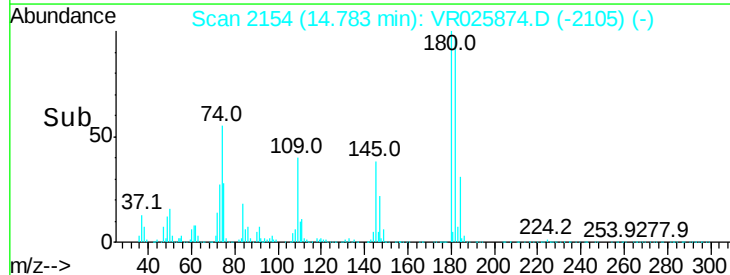
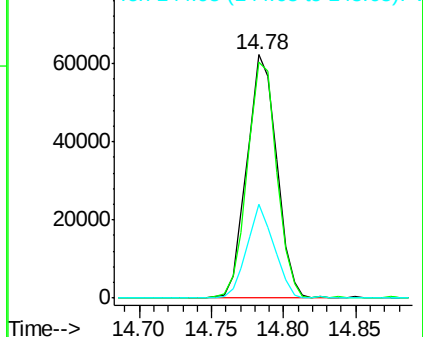
Tgt Ion:	180	Resp:	88778
Ion Ratio	Lower	Upper	
180	100		
182	95.5	75.2	112.8
145	35.3	30.5	45.7

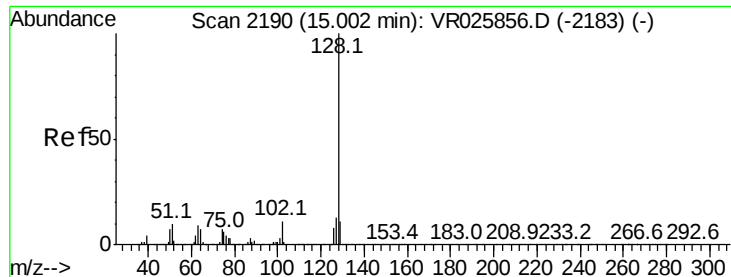


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 2.958 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VR025874.D

Acq: 27 Sep 2018 13:35

Instrument :

MSVOA_R

ClientSampleId :

VSTD00590

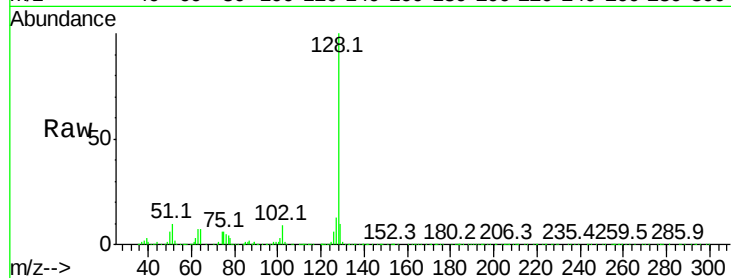
Tgt Ion:128 Resp: 123487

Ion Ratio Lower Upper

128 100

127 12.8 10.5 15.7

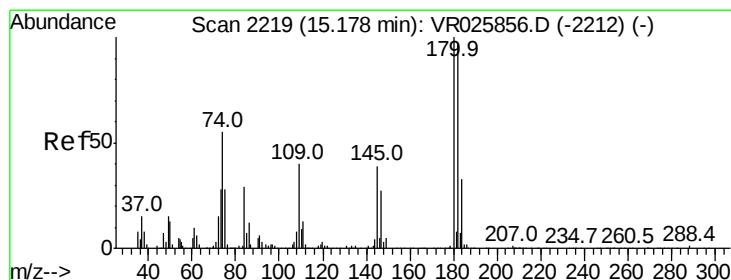
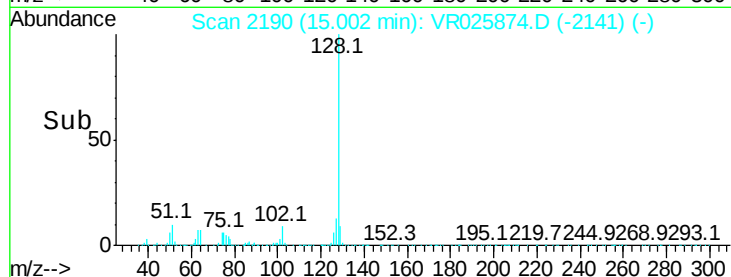
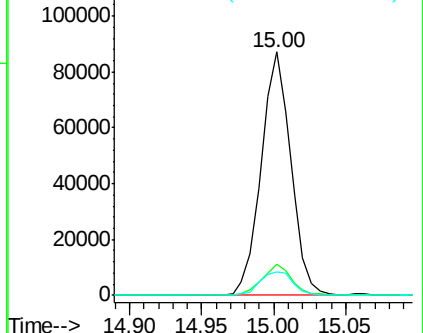
129 11.0 9.4 14.2



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: 3.202 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VR025874.D

Acq: 27 Sep 2018 13:35

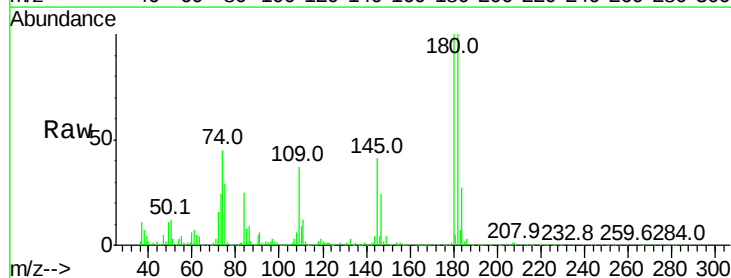
Tgt Ion:180 Resp: 65259

Ion Ratio Lower Upper

180 100

182 89.2 74.7 112.1

145 38.6 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

