

Data File : VR025802.D
Acq On : 21 Sep 2018 15:37
Operator : SY/MD
Sample : VSTD02023
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD02023

Quant Time: Sep 21 16:01:19 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092118WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 21 15:32:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	543106	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	437659	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	157100	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.17	65	679284	29.27	ug/L	0.01
7) Chloroethane-d5	2.63	69	509063	25.75	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.63	63	1636359	25.54	ug/L	0.02
20) 2-Butanone-d5	6.59	46	1053276	252.95	ug/L	0.00
24) Chloroform-d	7.20	84	1597640	24.41	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.90	65	684129	25.00	ug/L	0.00
32) Benzene-d6	7.85	84	3024993	27.66	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.90	67	843579	25.43	ug/L	0.00
41) Toluene-d8	9.97	98	2785897	31.04	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	274371	22.89	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	816393	215.18	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	329961	20.76	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.52	152	511969	24.52	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	1039779	16.839 ug/L	99
3) Chloromethane	2.02	50	1044491	17.187 ug/L	96
5) Vinyl chloride	2.17	62	1009480	17.427 ug/L	99
6) Bromomethane	2.52	94	545687	17.815 ug/L	96
8) Chloroethane	2.66	64	551261	17.281 ug/L	93
9) Trichlorofluoromethane	2.93	101	472812	7.061 ug/L	# 44
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	733721	18.102 ug/L	98
12) 1,1-Dichloroethene	3.63	96	809433	18.472 ug/L	91
13) Acetone	3.70	43	650953	294.260 ug/L	97
14) Carbon disulfide	3.93	76	2512498	17.390 ug/L	100
15) Methyl Acetate	4.19	43	198924	20.668 ug/L	97
16) Methylene chloride	4.40	84	705254	18.966 ug/L	96
17) Methyl tert-butyl Ether	4.89	73	1583440	18.604 ug/L	100
18) trans-1,2-Dichloroethene	4.88	96	1005904	18.583 ug/L	98
19) 1,1-Dichloroethane	5.69	63	2013074	18.372 ug/L	97
21) 2-Butanone	6.69	43	1385532	231.353 ug/L	99
22) cis-1,2-Dichloroethene	6.67	96	998297	18.515 ug/L	# 98
23) Bromochloromethane	7.05	128	264413	18.027 ug/L	95
25) Chloroform	7.23	83	1884806	18.608 ug/L	99
27) 1,2-Dichloroethane	7.99	62	978025	19.254 ug/L	100
29) 1,1,1-Trichloroethane	7.43	97	1738266	18.102 ug/L	99
30) Cyclohexane	7.52	56	1899717	17.830 ug/L	99
31) Carbon tetrachloride	7.63	117	1474283	17.760 ug/L	99
33) Benzene	7.91	78	4171816	18.892 ug/L	100
34) Trichloroethene	8.71	95	1136293	18.608 ug/L	95
35) Methylcyclohexane	8.95	83	1739498	17.353 ug/L	98
37) 1,2-Dichloropropane	9.00	63	951072	19.762 ug/L	100
38) Bromodichloromethane	9.28	83	1154299	19.263 ug/L	97
39) cis-1,3-Dichloropropene	9.72	75	1304894	19.612 ug/L	99
40) 4-Methyl-2-pentanone	9.87	43	3330826	195.761 ug/L	99

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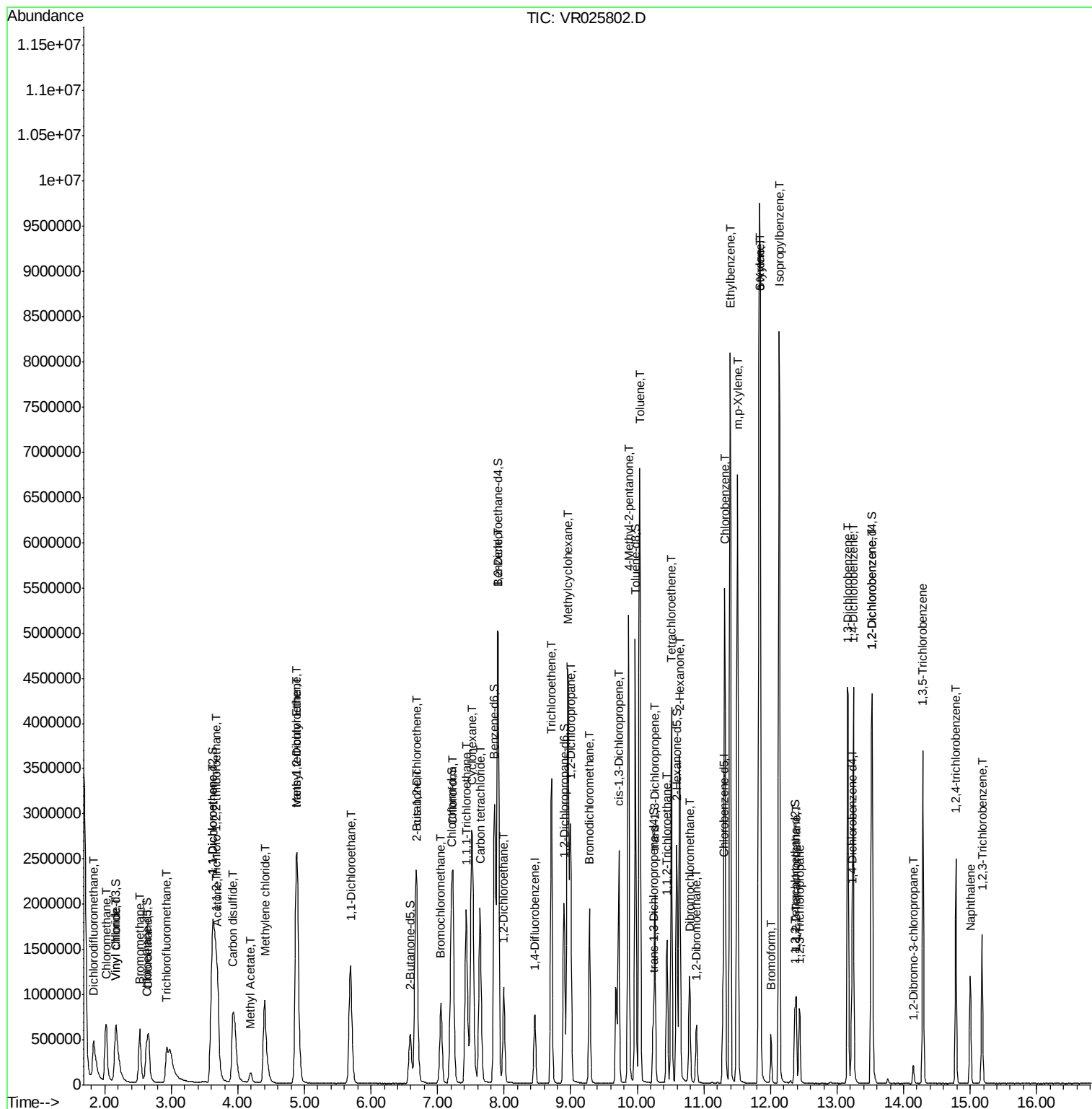
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.04	91	4310622	19.244	ug/L	98
44) trans-1,3-Dichloropropene	10.26	75	952395	19.462	ug/L	100
45) 1,1,2-Trichloroethane	10.45	97	409725	19.606	ug/L	96
47) Tetrachloroethene	10.51	164	692104	19.131	ug/L	93
48) 2-Hexanone	10.63	43	2233077	197.170	ug/L	99
49) Dibromochloromethane	10.79	129	499013	19.126	ug/L	99
50) 1,2-Dibromoethane	10.89	107	367725	19.312	ug/L	99
51) Chlorobenzene	11.32	112	2279560	18.617	ug/L	99
52) Ethylbenzene	11.39	91	4840460	18.469	ug/L	92
53) m,p-Xylene	11.50	106	1842771	19.028	ug/L	89
54) o-Xylene	11.83	106	1738102	19.452	ug/L	86
55) Styrene	11.84	104	2681756	19.384	ug/L	98
56) Isopropylbenzene	12.13	105	4530340	18.296	ug/L	97
58) 1,1,2,2-Tetrachloroethane	12.39	83	396048	18.180	ug/L	100
59) 1,2,3-Trichloropropane	12.43	75	306764	17.648	ug/L	99
61) Bromoform	12.01	173	178269	18.226	ug/L	96
62) 1,3-Dichlorobenzene	13.16	146	1378283	18.810	ug/L	93
63) 1,4-Dichlorobenzene	13.24	146	1314671	19.058	ug/L	99
65) 1,2-Dichlorobenzene	13.53	146	1056150	19.347	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.14	75	50297	15.869	ug/L	95
67) 1,3,5-Trichlorobenzene	14.29	180	802797	19.256	ug/L	98
68) 1,2,4-trichlorobenzene	14.78	180	515953	18.895	ug/L	100
69) Naphthalene	15.00	128	783257	19.168	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	357789	18.301	ug/L	98

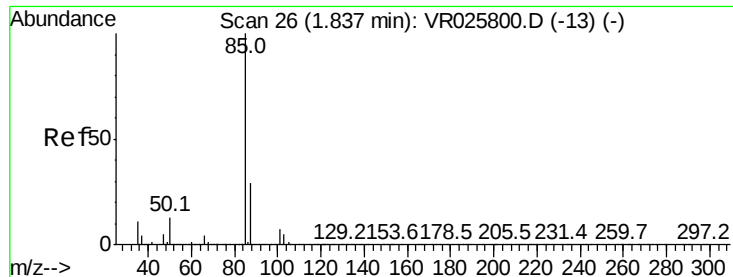
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 16.839 ug/L

RT: 1.83 min Scan# 25

Delta R.T. -0.01 min

Lab File: VR025802.D

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Instrument :

MSVOA_R

ClientSampleId :

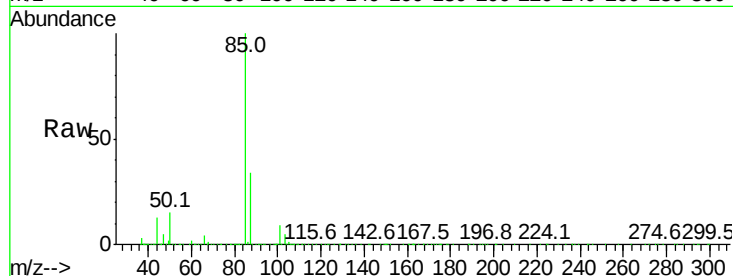
VSTD02023

Tgt Ion: 85 Resp: 1039779

Ion Ratio Lower Upper

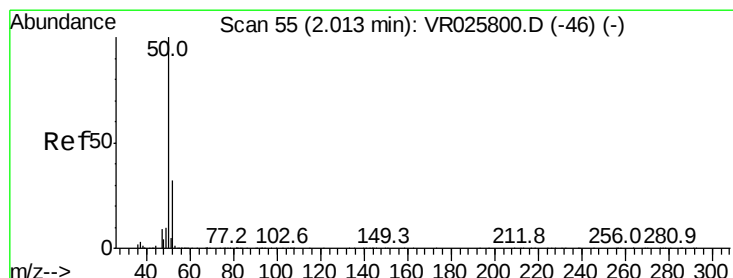
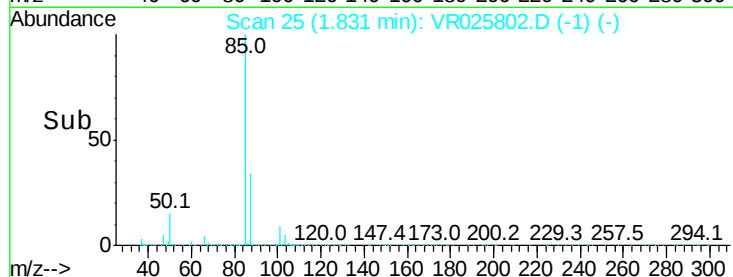
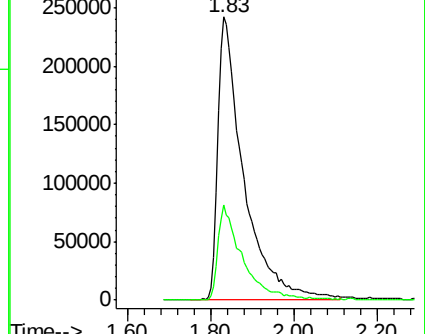
85 100

87 31.8 25.1 37.7



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0



#3

Chloromethane

Concen: 17.187 ug/L

RT: 2.02 min Scan# 56

Delta R.T. 0.01 min

Lab File: VR025802.D

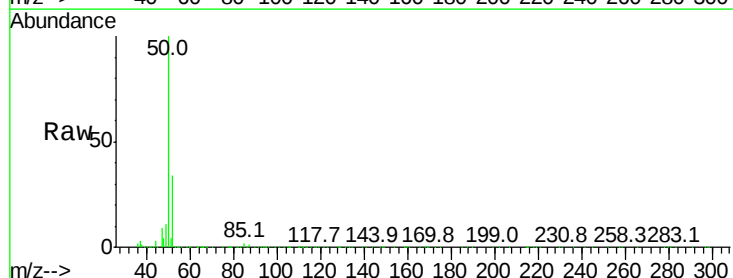
Acq: 21 Sep 2018 15:37

Tgt Ion: 50 Resp: 1044491

Ion Ratio Lower Upper

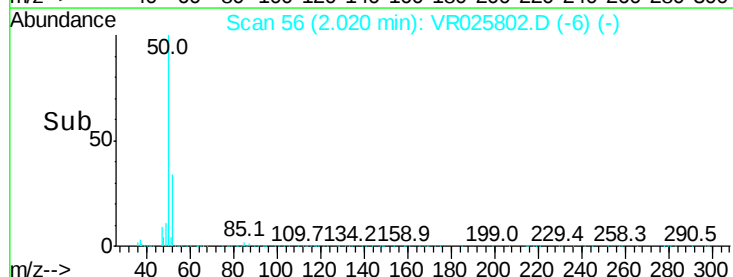
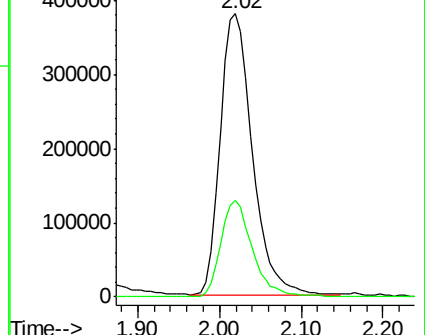
50 100

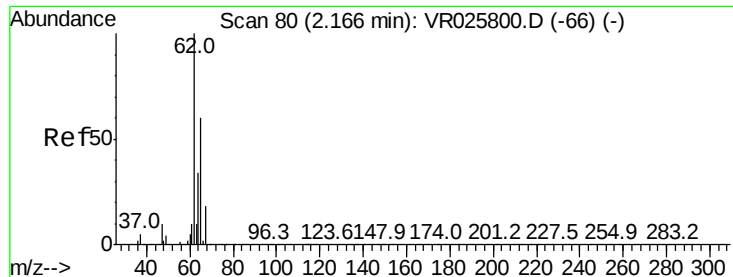
52 34.0 22.1 41.1



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 17.427 ug/L

RT: 2.17 min Scan# 81

Delta R.T. 0.01 min

Lab File: VR025802.D

Acq: 21 Sep 2018 15:37

Instrument :

MSVOA_R

ClientSampleId :

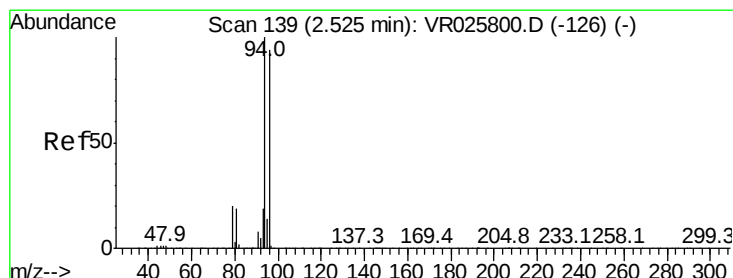
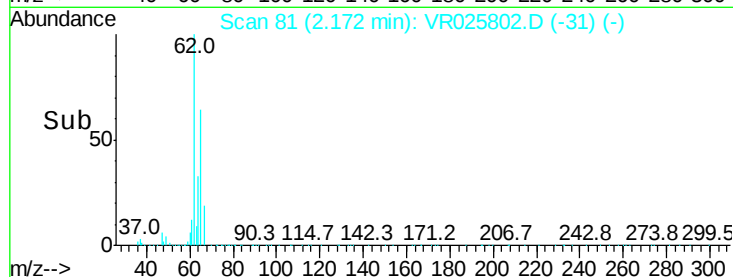
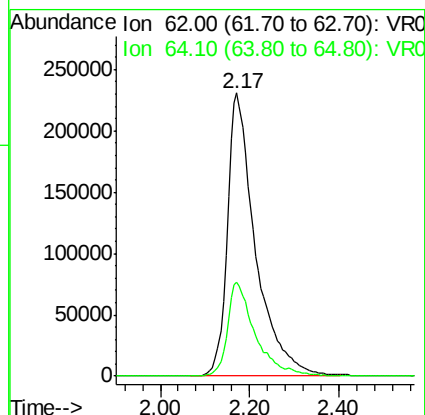
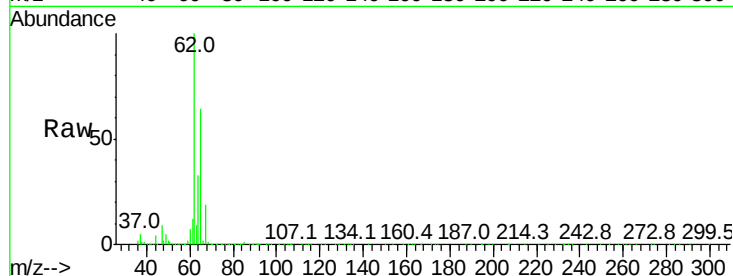
VSTD02023

Tgt Ion: 62 Resp: 1009480

Ion Ratio Lower Upper

62 100

64 33.3 23.5 43.7



#6

Bromomethane

Concen: 17.815 ug/L

RT: 2.52 min Scan# 139

Delta R.T. -0.00 min

Lab File: VR025802.D

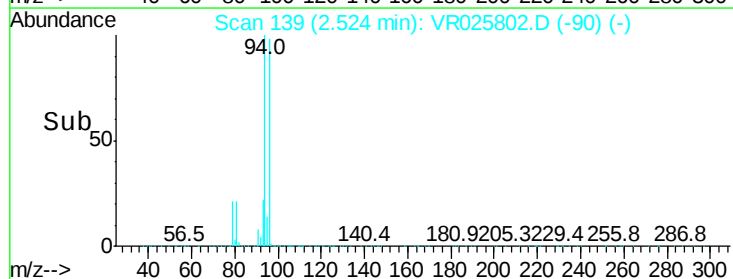
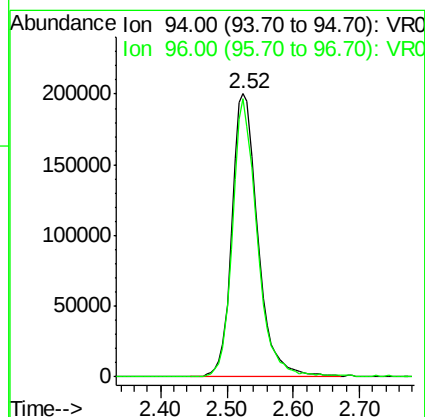
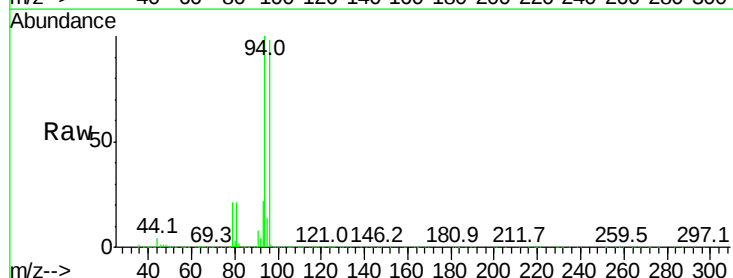
Acq: 21 Sep 2018 15:37

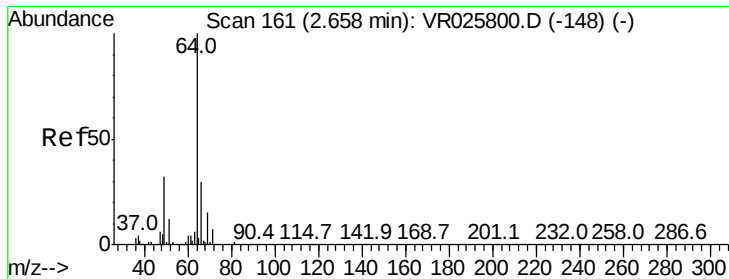
Tgt Ion: 94 Resp: 545687

Ion Ratio Lower Upper

94 100

96 98.4 66.1 122.8





#8

Chloroethane

Concen: 17.281 ug/L

RT: 2.66 min Scan# 161

Delta R.T. -0.00 min

Lab File: VR025802.D

Acq: 21 Sep 2018 15:37

Instrument :

MSVOA_R

ClientSampleId :

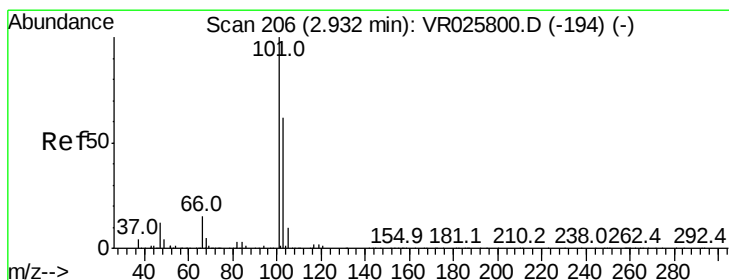
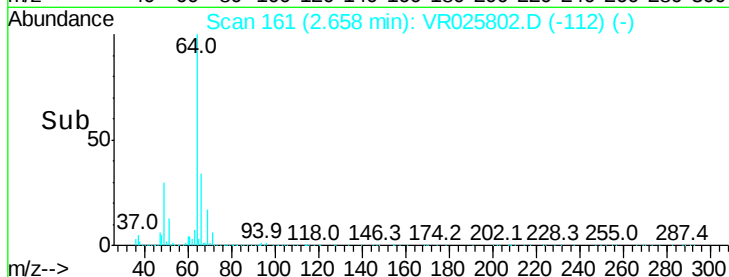
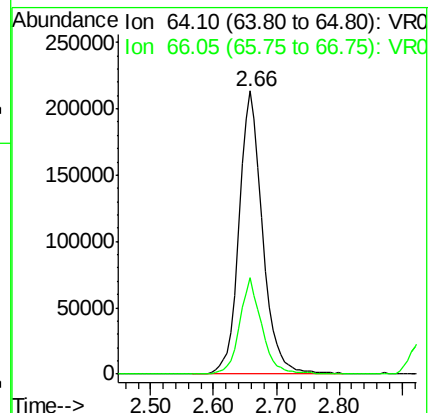
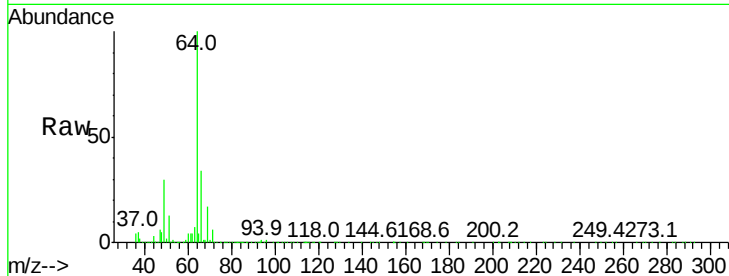
VSTD02023

Tgt Ion: 64 Resp: 551261

Ion Ratio Lower Upper

64 100

66 34.0 21.3 39.5



#9

Trichlorofluoromethane

Concen: 7.061 ug/L

RT: 2.93 min Scan# 206

Delta R.T. -0.00 min

Lab File: VR025802.D

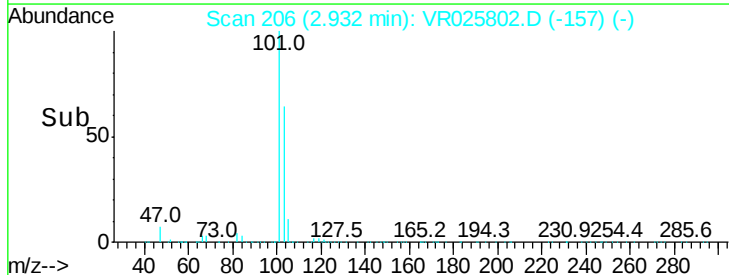
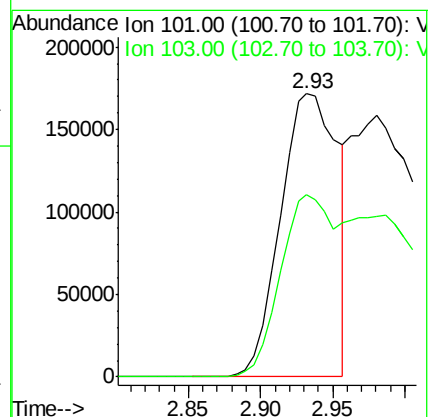
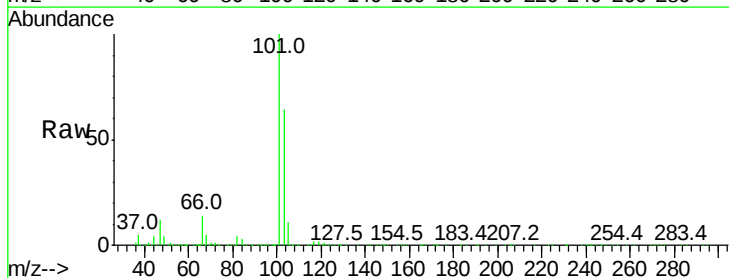
Acq: 21 Sep 2018 15:37

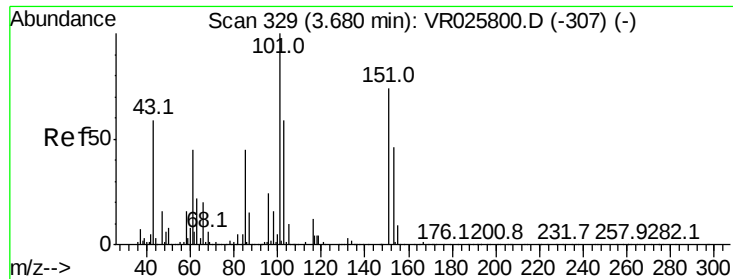
Tgt Ion: 101 Resp: 472812

Ion Ratio Lower Upper

101 100

103 56.9 22.1 33.1#





#10

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

Concen: 18.102 ug/L

RT: 3.69 min Scan# 330

Delta R.T. 0.01 min

Lab File: VR025802.D

Acq: 21 Sep 2018 15:37

Instrument :

MSVOA_R

ClientSampleId :

VSTD02023

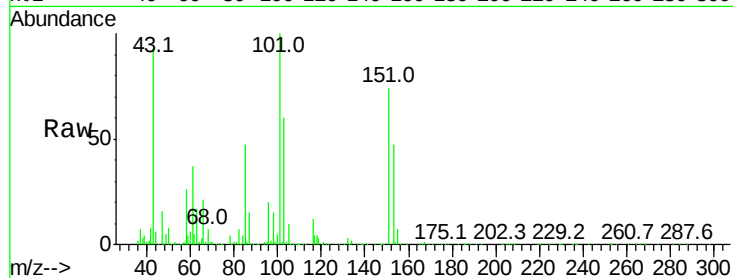
Tgt Ion:101 Resp: 733721

Ion Ratio Lower Upper

101 100

85 48.1 38.2 57.4

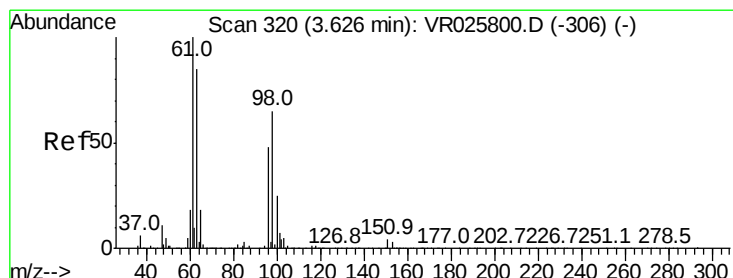
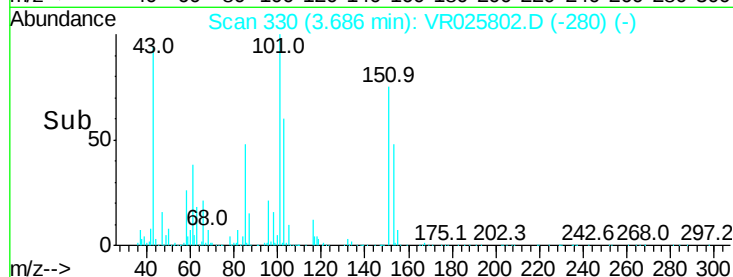
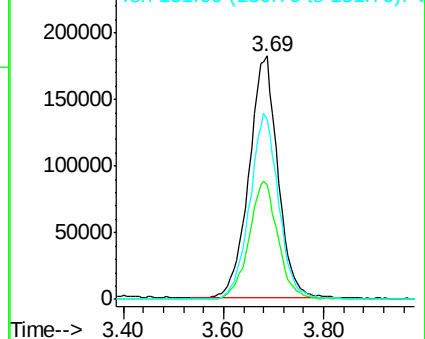
151 76.1 58.4 87.6



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: 18.472 ug/L

RT: 3.63 min Scan# 320

Delta R.T. 0.00 min

Lab File: VR025802.D

Acq: 21 Sep 2018 15:37

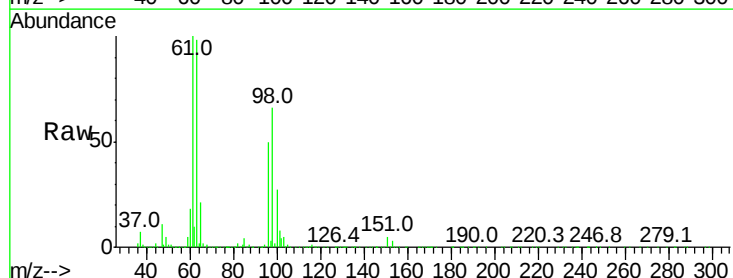
Tgt Ion: 96 Resp: 809433

Ion Ratio Lower Upper

96 100

61 199.1 145.0 269.4

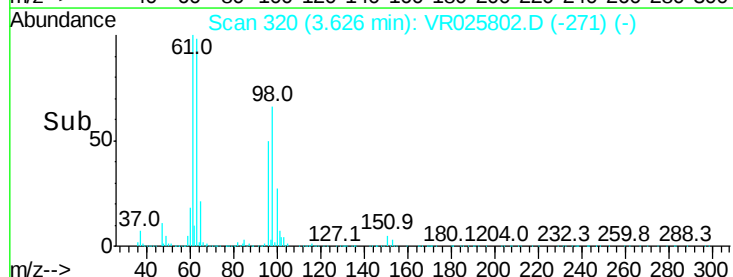
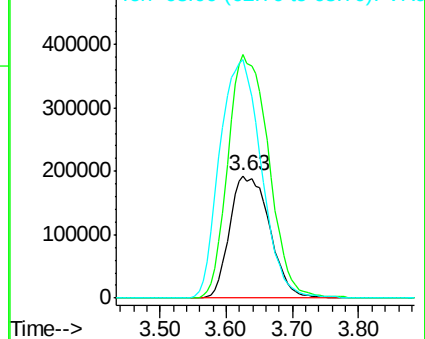
63 194.6 123.8 230.0

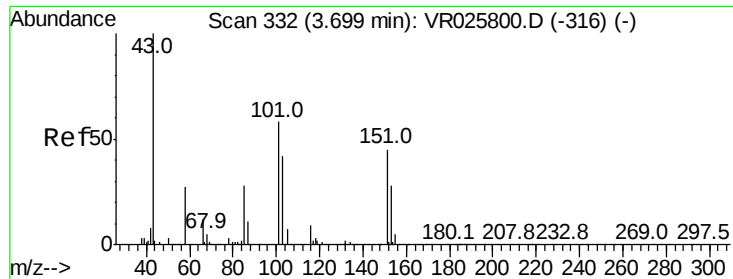


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0

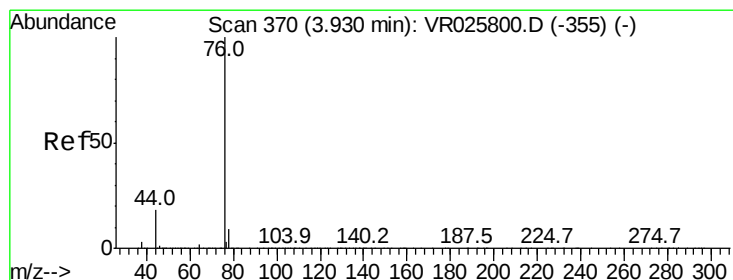
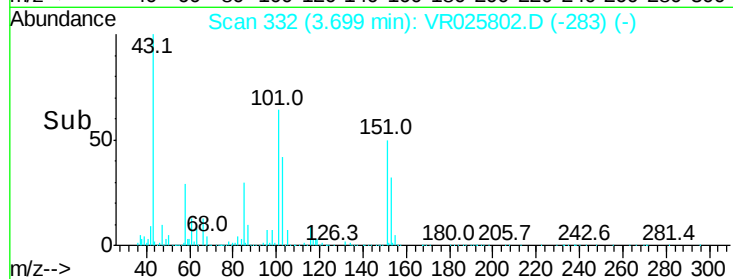
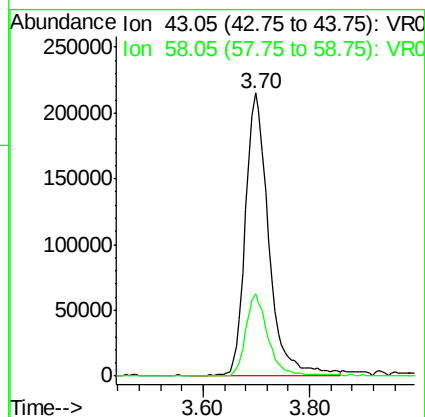
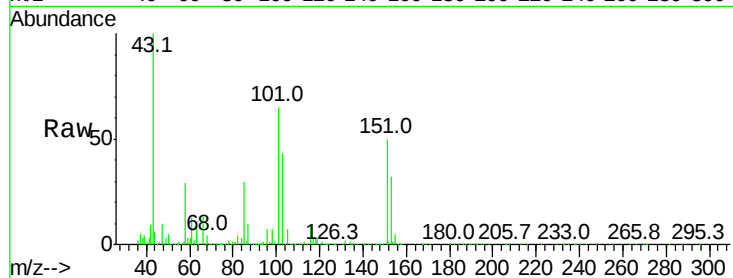




#13
Acetone
Concen: 294.260 ug/L
RT: 3.70 min Scan# 332
Delta R.T. 0.00 min
Lab File: VR025802.D
Acq: 21 Sep 2018 15:37

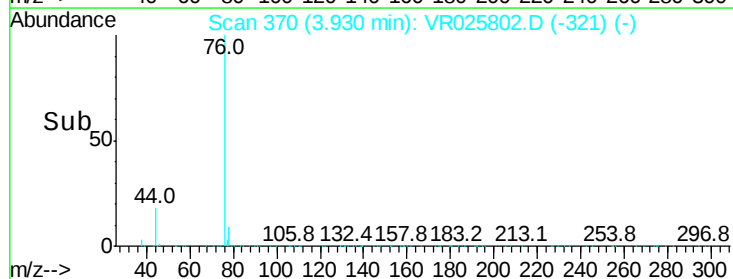
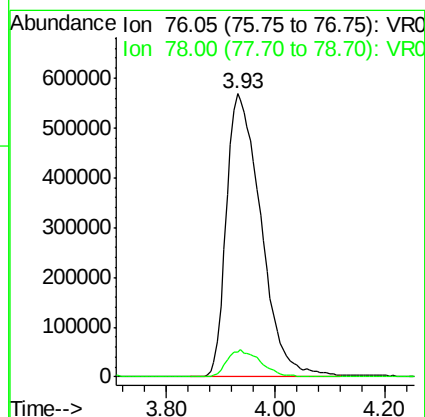
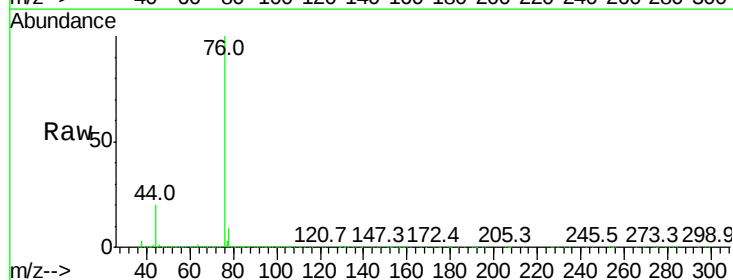
Instrument :
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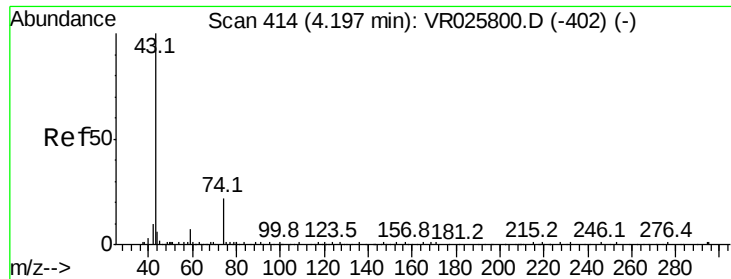
Tgt Ion: 43 Resp: 650953
Ion Ratio Lower Upper
43 100
58 27.2 0.0 51.4



#14
Carbon disulfide
Concen: 17.390 ug/L
RT: 3.93 min Scan# 370
Delta R.T. -0.00 min
Lab File: VR025802.D
Acq: 21 Sep 2018 15:37

Tgt Ion: 76 Resp: 2512498
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.6

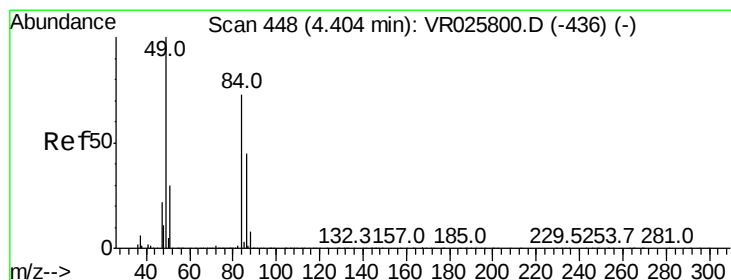
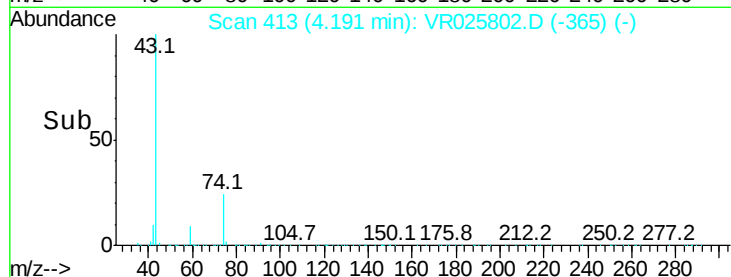
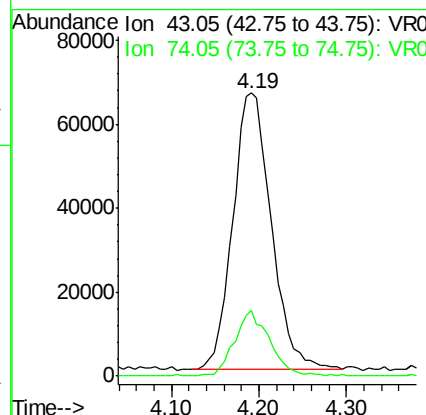
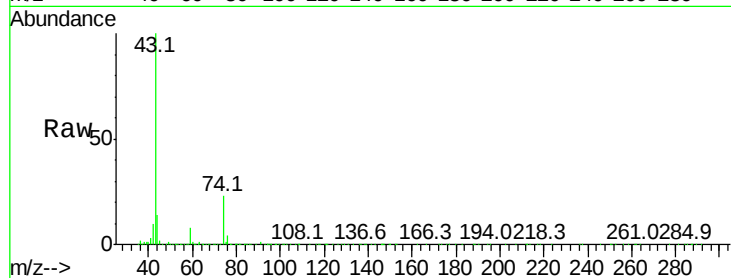




#15
Methyl Acetate
Concen: 20.668 ug/L
RT: 4.19 min Scan# 413
Delta R.T. -0.01 min
Lab File: VR025802.D
Acq: 21 Sep 2018 15:37

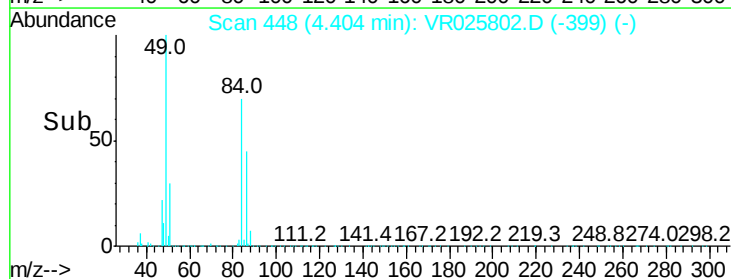
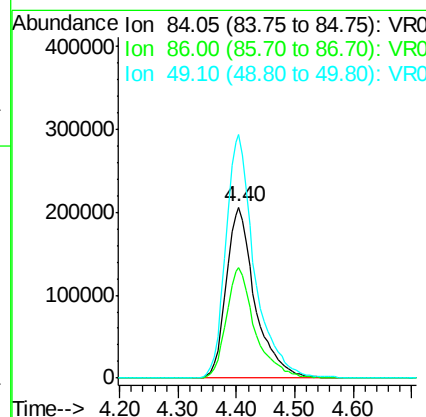
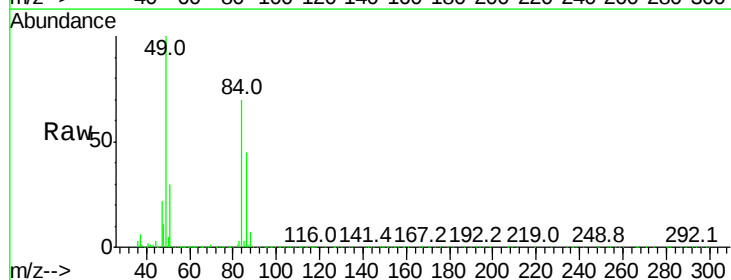
Instrument :
MSVOA_R
ClientSampleId :
VSTD02023

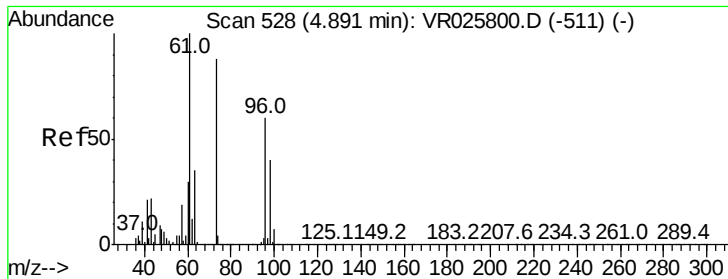
Tgt Ion: 43 Resp: 198924
Ion Ratio Lower Upper
43 100
74 22.1 19.0 28.4



#16
Methylene chloride
Concen: 18.966 ug/L
RT: 4.40 min Scan# 448
Delta R.T. -0.00 min
Lab File: VR025802.D
Acq: 21 Sep 2018 15:37

Tgt Ion: 84 Resp: 705254
Ion Ratio Lower Upper
84 100
86 64.2 43.1 80.1
49 142.2 95.5 177.3



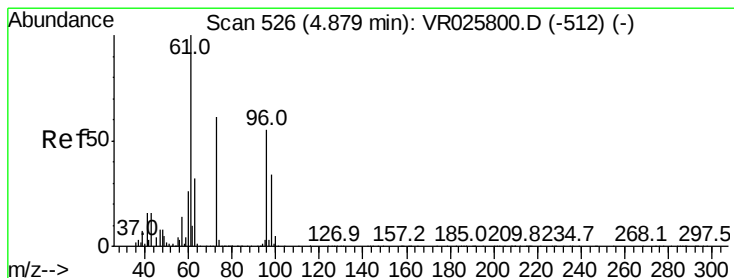
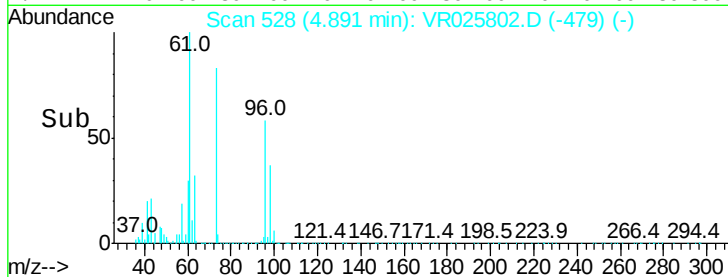
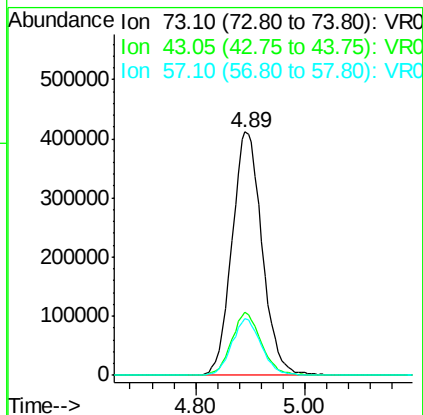
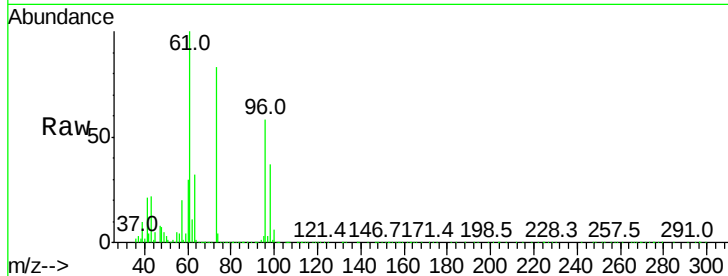


#17

Methyl tert-butyl Ether
 Concen: 18.604 ug/L
 RT: 4.89 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VR025802.D
 Acq: 21 Sep 2018 15:37

Instrument :
 MSVOA_R
 ClientSampled :
 VSTD02023

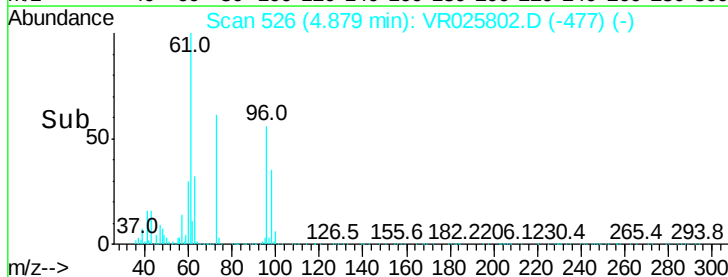
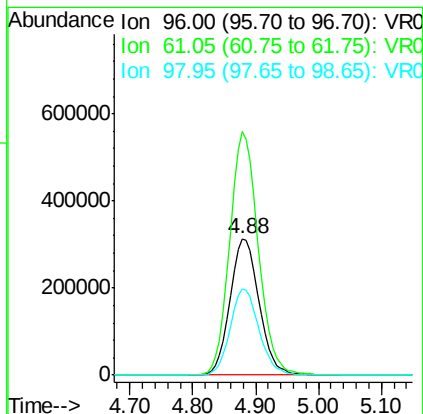
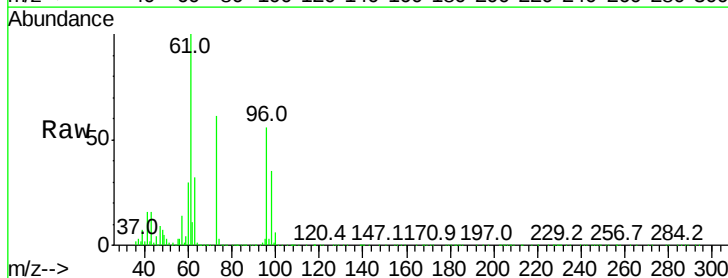
Tgt Ion: 73 Resp: 1583440
 Ion Ratio Lower Upper
 73 100
 43 24.8 19.8 29.8
 57 22.7 17.9 26.9

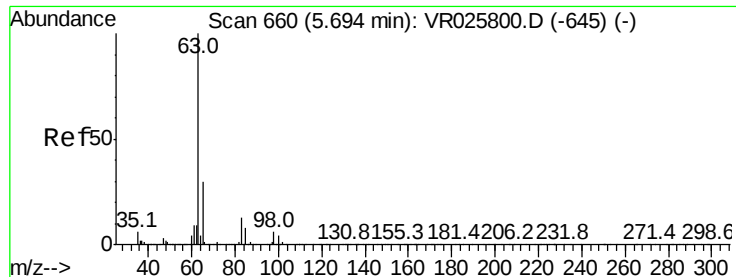


#18

trans-1,2-Dichloroethene
 Concen: 18.583 ug/L
 RT: 4.88 min Scan# 526
 Delta R.T. 0.00 min
 Lab File: VR025802.D
 Acq: 21 Sep 2018 15:37

Tgt Ion: 96 Resp: 1005904
 Ion Ratio Lower Upper
 96 100
 61 178.7 127.4 236.6
 98 63.4 43.8 81.3





#19

1,1-Dichloroethane

Concen: 18.372 ug/L

RT: 5.69 min Scan# 660

Delta R.T. -0.00 min

Lab File: VR025802.D

Acq: 21 Sep 2018 15:37

Instrument :

MSVOA_R

ClientSampleId :

VSTD02023

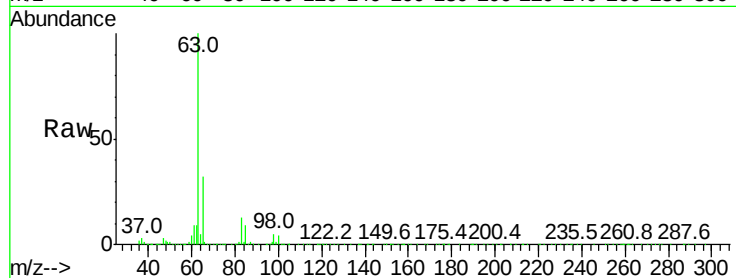
Tgt Ion: 63 Resp: 2013074

Ion Ratio Lower Upper

63 100

65 32.3 21.1 39.1

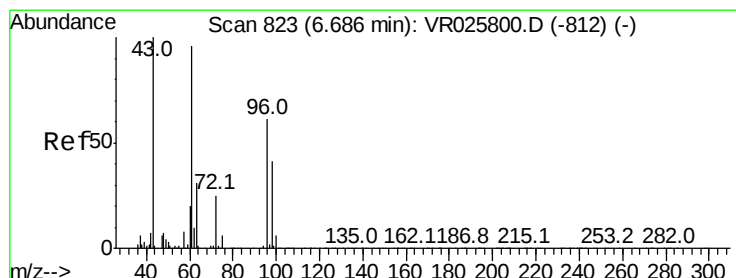
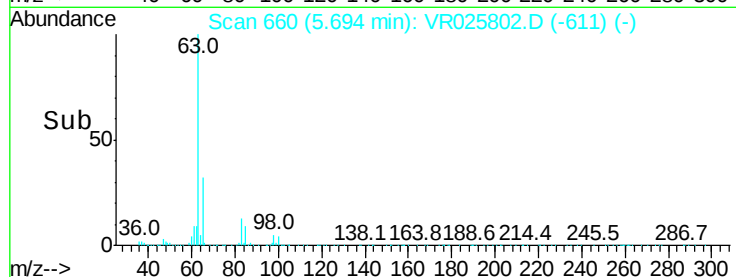
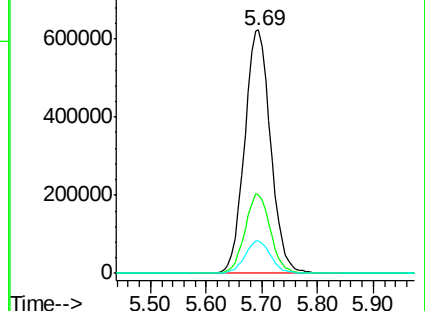
83 13.1 8.9 16.5



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: 231.353 ug/L

RT: 6.69 min Scan# 824

Delta R.T. 0.01 min

Lab File: VR025802.D

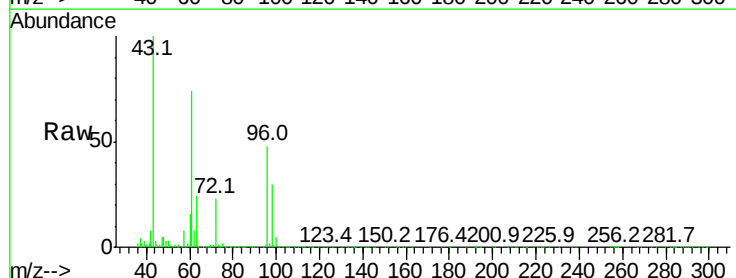
Acq: 21 Sep 2018 15:37

Tgt Ion: 43 Resp: 1385532

Ion Ratio Lower Upper

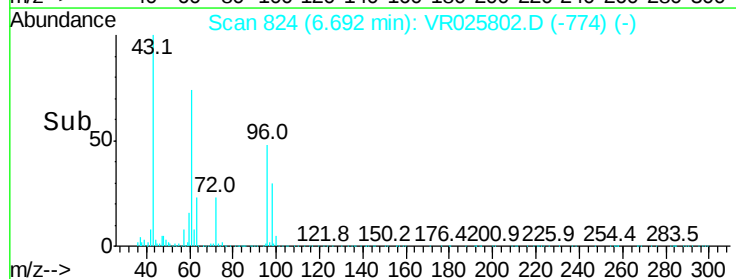
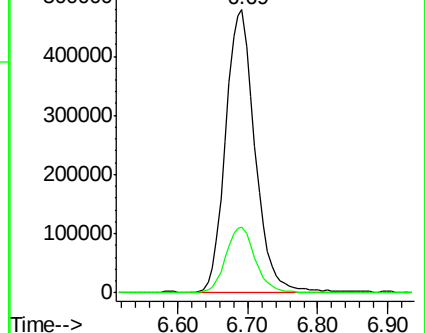
43 100

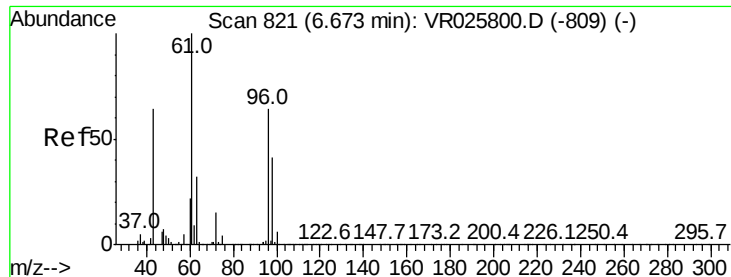
72 23.5 11.9 35.7



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 72.10 (71.80 to 72.80): VR0



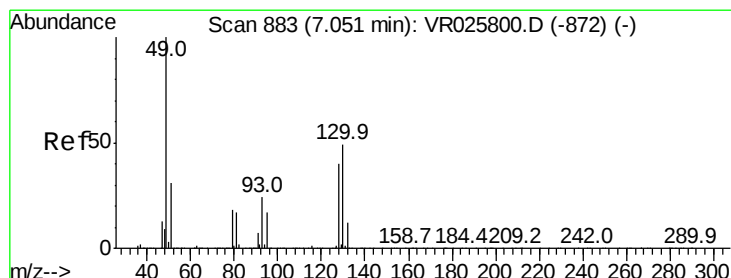
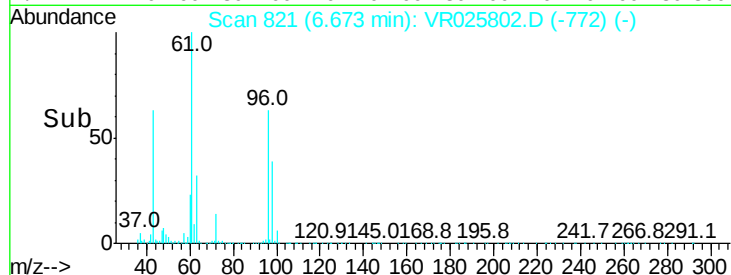
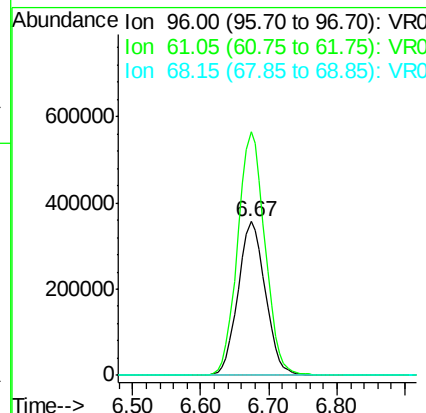
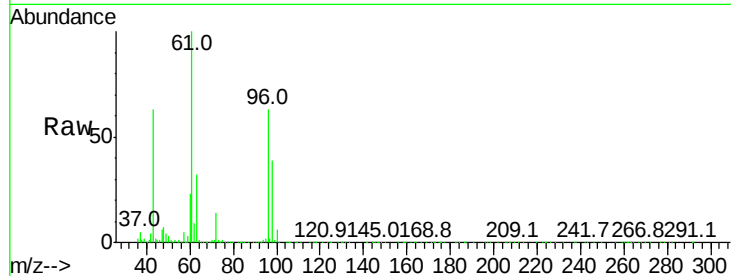


#22

cis-1,2-Dichloroethene
Concen: 18.515 ug/L
RT: 6.67 min Scan# 821
Delta R.T. 0.00 min
Lab File: VR025802.D
Acq: 21 Sep 2018 15:37

Instrument :
MSVOA_R
ClientSampleId :
VSTD02023

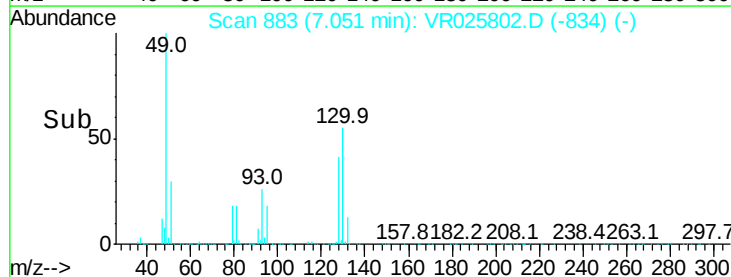
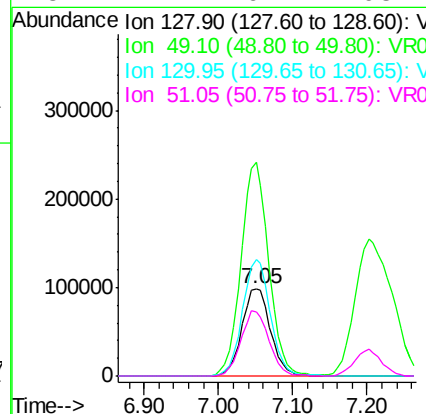
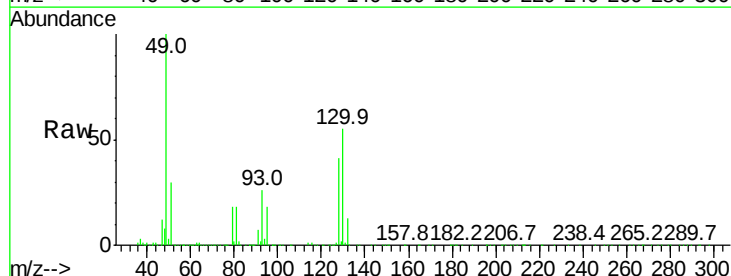
Tgt Ion: 96 Resp: 998297
Ion Ratio Lower Upper
96 100
61 158.1 108.7 201.9
68 0.0 0.1 0.1#

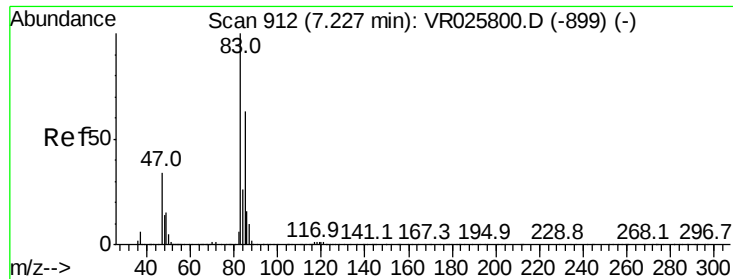


#23

Bromochloromethane
Concen: 18.027 ug/L
RT: 7.05 min Scan# 883
Delta R.T. 0.00 min
Lab File: VR025802.D
Acq: 21 Sep 2018 15:37

Tgt Ion: 128 Resp: 264413
Ion Ratio Lower Upper
128 100
49 245.0 175.0 325.0
130 134.0 85.6 159.0
51 74.1 62.2 93.2





#25

Chloroform

Concen: 18.608 ug/L

RT: 7.23 min Scan# 913

Delta R.T. 0.01 min

Lab File: VR025802.D

Acq: 21 Sep 2018 15:37

Instrument :

MSVOA_R

ClientSampleId :

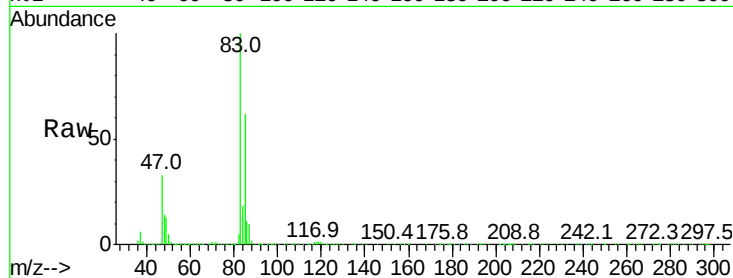
VSTD02023

Tgt Ion: 83 Resp: 1884806

Ion Ratio Lower Upper

83 100

85 61.9 43.8 81.4



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0

7.23

800000

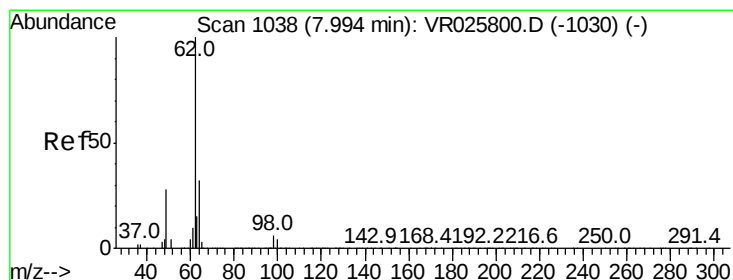
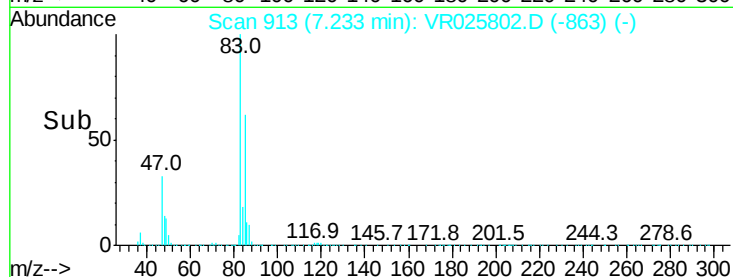
600000

400000

200000

0

Time--> 7.10 7.20 7.30 7.40



#27

1,2-Dichloroethane

Concen: 19.254 ug/L

RT: 7.99 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VR025802.D

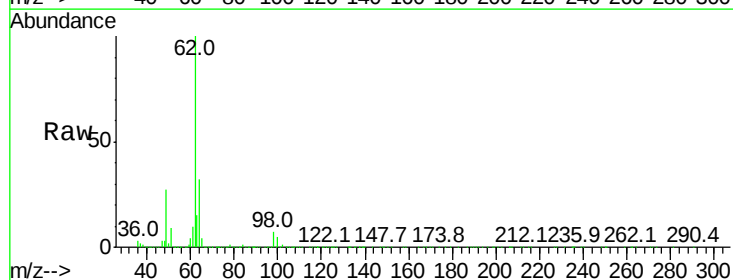
Acq: 21 Sep 2018 15:37

Tgt Ion: 62 Resp: 978025

Ion Ratio Lower Upper

62 100

98 6.6 5.2 7.8



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 98.05 (97.75 to 98.75): VR0

7.99

500000

400000

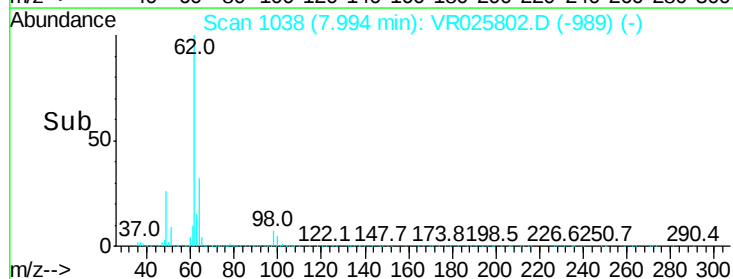
300000

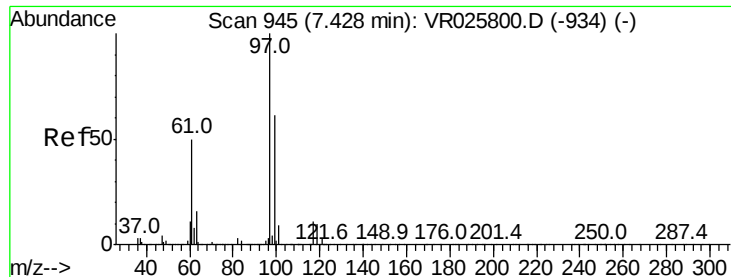
200000

100000

0

Time--> 7.90 8.00 8.10



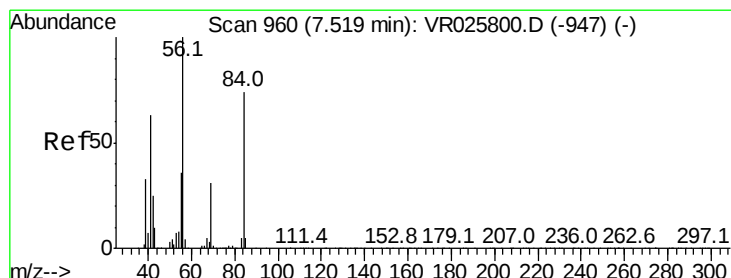
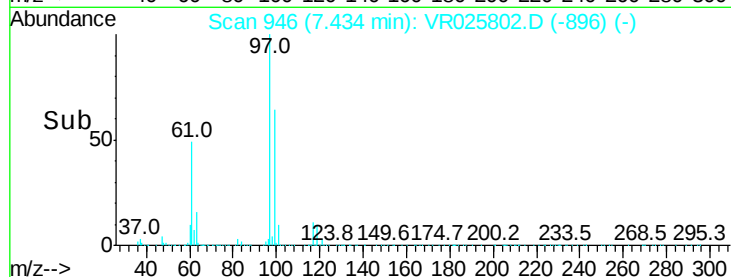
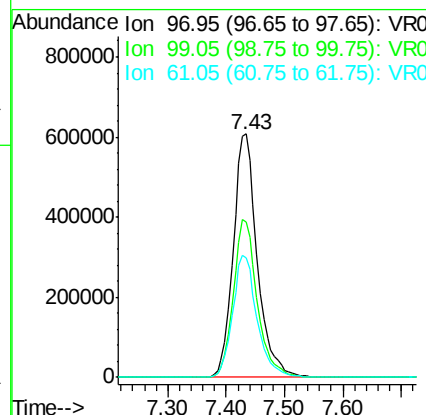
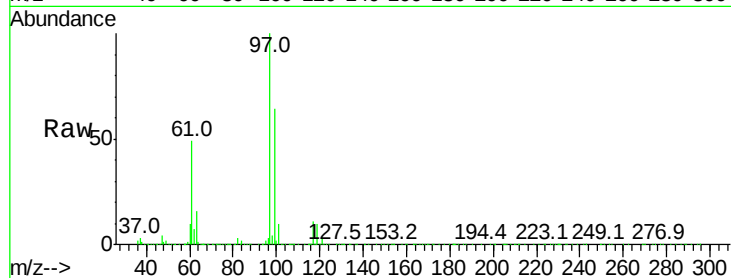


#29
 1,1,1-Trichloroethane
 Concen: 18.102 ug/L
 RT: 7.43 min Scan# 946
 Delta R.T. 0.01 min
 Lab File: VR025802.D
 Acq: 21 Sep 2018 15:37

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02023

Tgt Ion: 97 Resp: 1738266

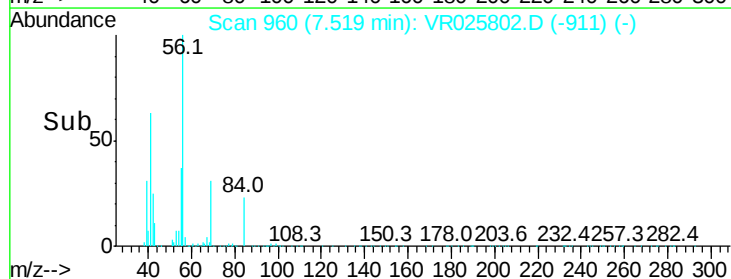
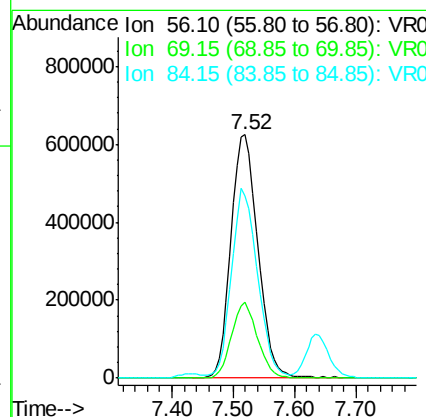
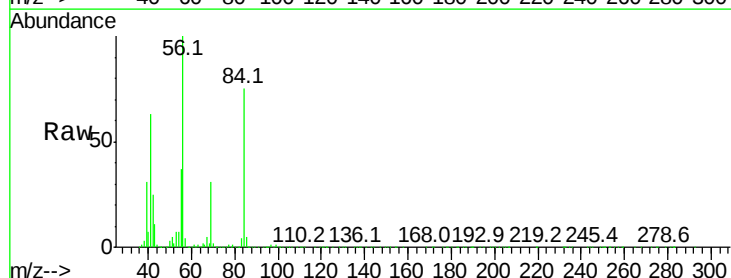
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.0	76.6
61	50.7	41.6	62.4

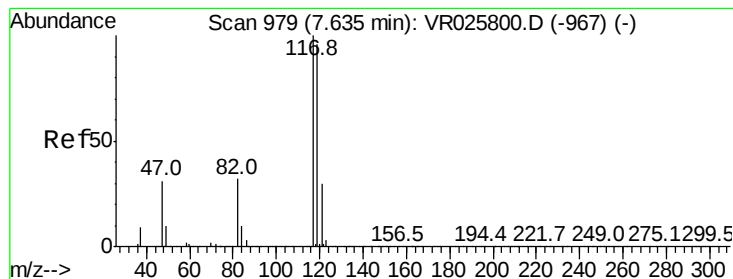


#30
 Cyclohexane
 Concen: 17.830 ug/L
 RT: 7.52 min Scan# 960
 Delta R.T. 0.00 min
 Lab File: VR025802.D
 Acq: 21 Sep 2018 15:37

Tgt Ion: 56 Resp: 1899717

Ion	Ratio	Lower	Upper
56	100		
69	29.8	24.8	37.2
84	75.1	59.8	89.8





#31

Carbon tetrachloride

Concen: 17.760 ug/L

RT: 7.63 min Scan# 979

Delta R.T. -0.00 min

Lab File: VR025802.D

Acq: 21 Sep 2018 15:37

Instrument :

MSVOA_R

ClientSampleId :

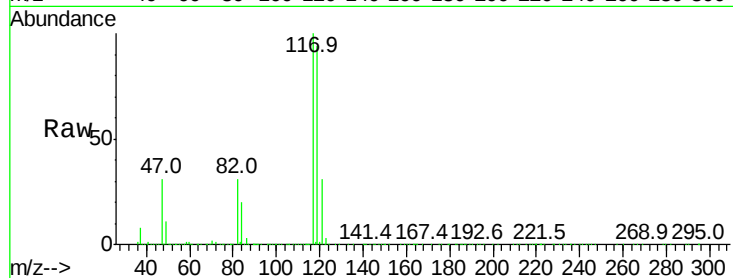
VSTD02023

Tgt Ion:117 Resp: 1474283

Ion Ratio Lower Upper

117 100

119 95.3 75.6 113.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

600000

500000

400000

300000

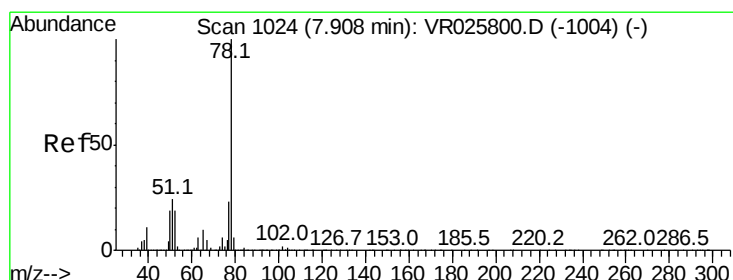
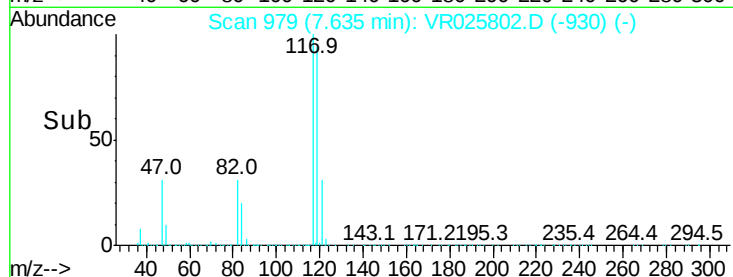
200000

100000

0

7.50 7.60 7.70 7.80

Time-->



#33

Benzene

Concen: 18.892 ug/L

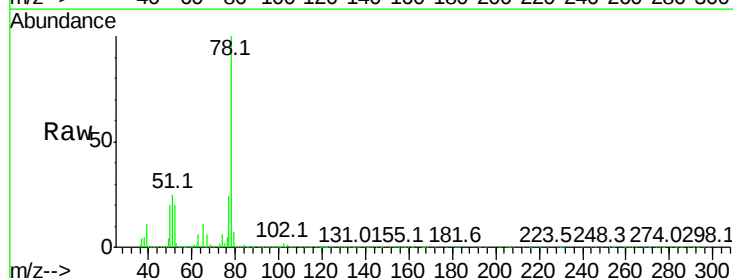
RT: 7.91 min Scan# 1024

Delta R.T. 0.00 min

Lab File: VR025802.D

Acq: 21 Sep 2018 15:37

Tgt Ion: 78 Resp: 4171816



Abundance Ion 78.10 (77.80 to 78.80): VR0

2000000

1500000

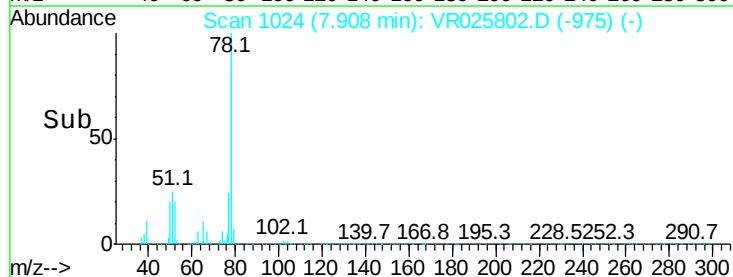
1000000

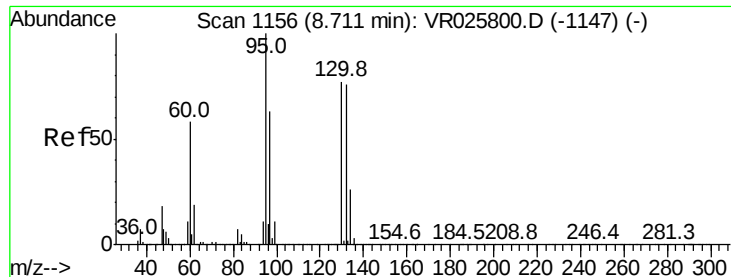
500000

0

7.70 7.80 7.90 8.00

Time-->

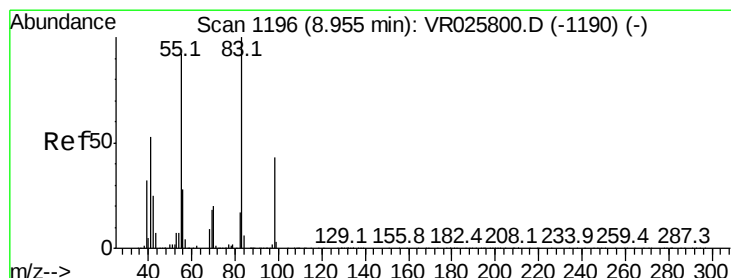
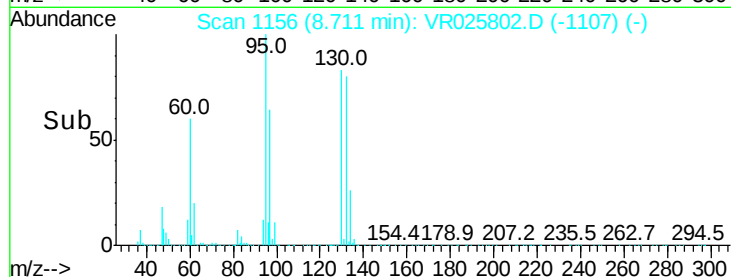
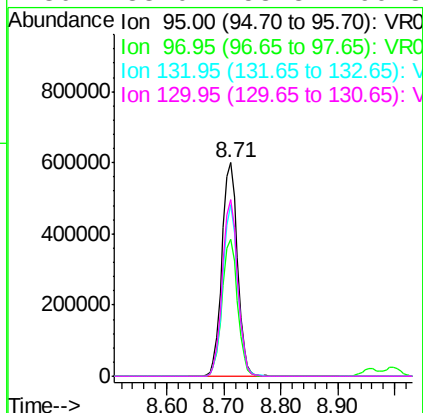
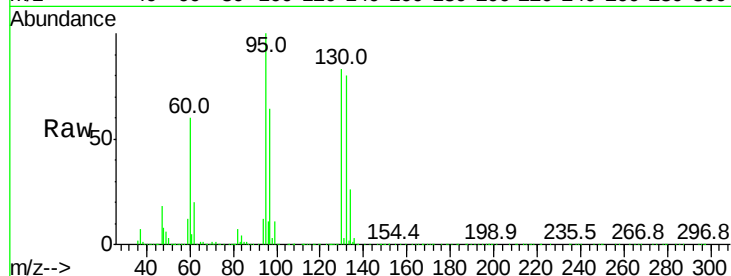




#34
 Trichloroethene
 Concen: 18.608 ug/L
 RT: 8.71 min Scan# 1156
 Delta R.T. 0.00 min
 Lab File: VR025802.D
 Acq: 21 Sep 2018 15:37

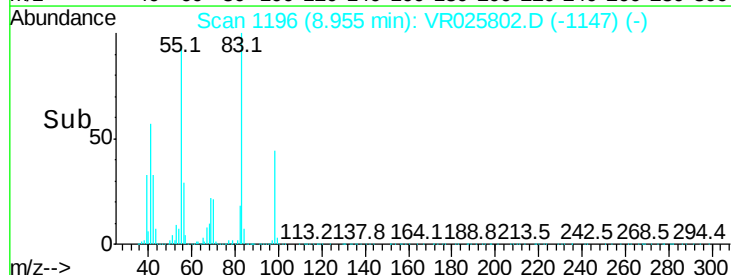
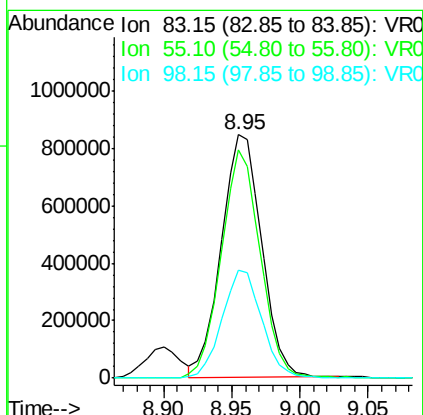
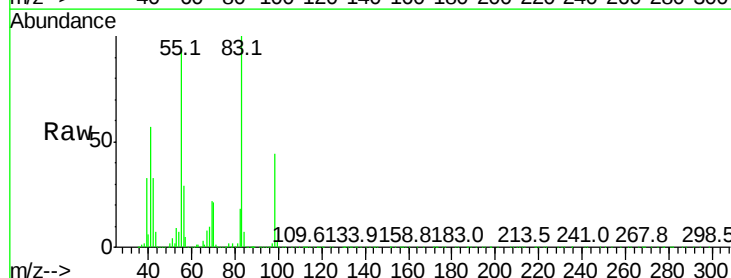
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02023

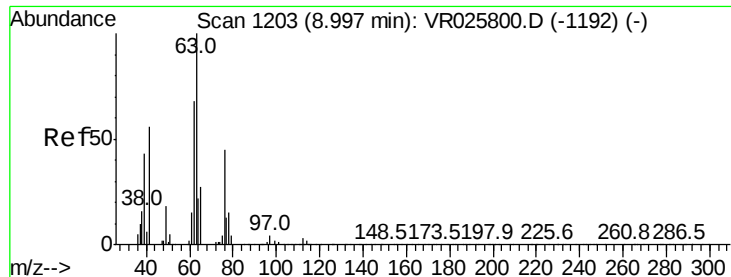
Tgt Ion: 95 Resp: 1136293
 Ion Ratio Lower Upper
 95 100
 97 64.0 43.9 81.5
 132 80.2 53.3 98.9
 130 83.0 53.8 99.8



#35
 Methylcyclohexane
 Concen: 17.353 ug/L
 RT: 8.95 min Scan# 1196
 Delta R.T. -0.00 min
 Lab File: VR025802.D
 Acq: 21 Sep 2018 15:37

Tgt Ion: 83 Resp: 1739498
 Ion Ratio Lower Upper
 83 100
 55 91.2 71.8 107.6
 98 44.2 34.2 51.4





#37

1,2-Dichloropropane

Concen: 19.762 ug/L

RT: 9.00 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VR025802.D

Acq: 21 Sep 2018 15:37

Instrument :

MSVOA_R

ClientSampled :

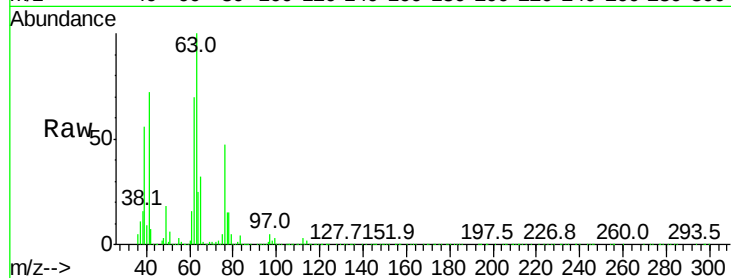
VSTD02023

Tgt Ion: 63 Resp: 951072

Ion Ratio Lower Upper

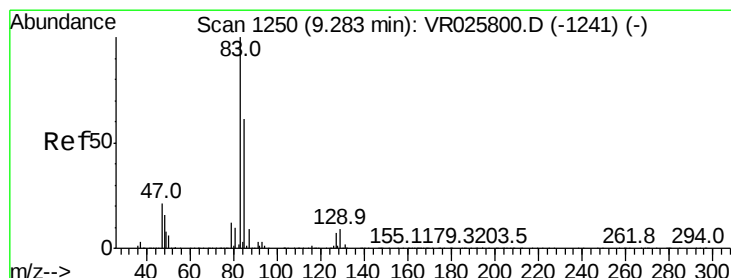
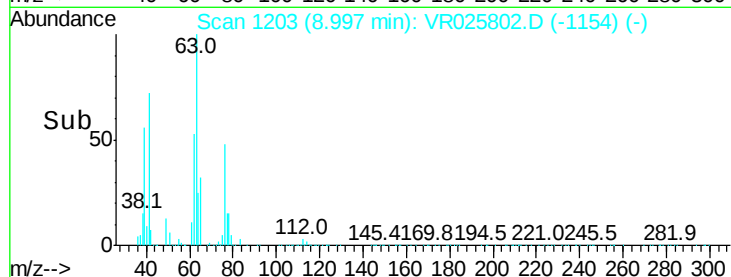
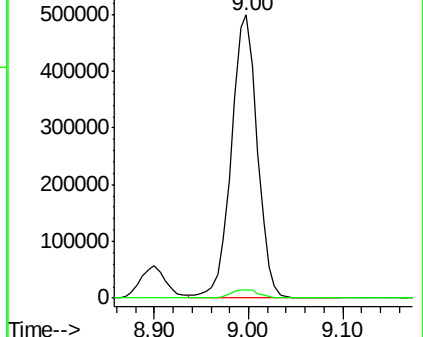
63 100

112 3.2 2.5 3.7



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 112.10 (111.80 to 112.80): V



#38

Bromodichloromethane

Concen: 19.263 ug/L

RT: 9.28 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VR025802.D

Acq: 21 Sep 2018 15:37

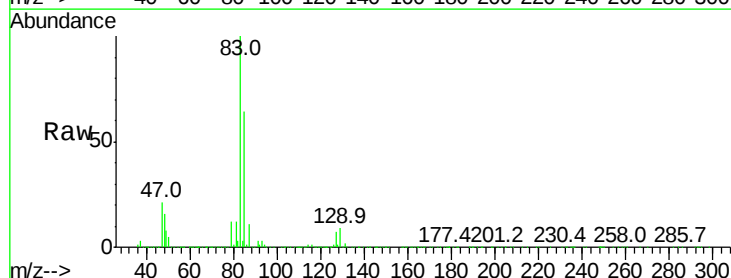
Tgt Ion: 83 Resp: 1154299

Ion Ratio Lower Upper

83 100

85 63.6 42.8 79.4

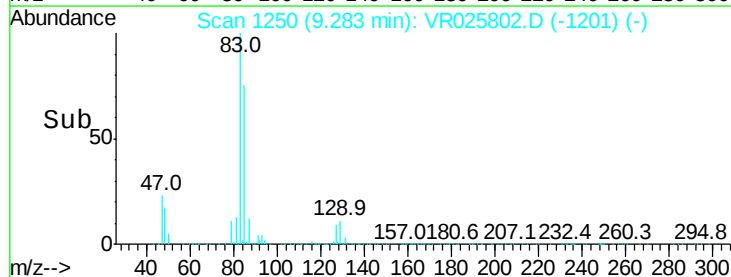
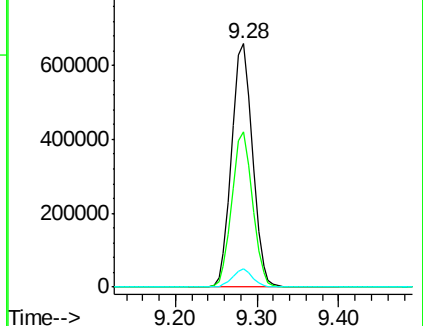
127 7.4 5.6 8.4

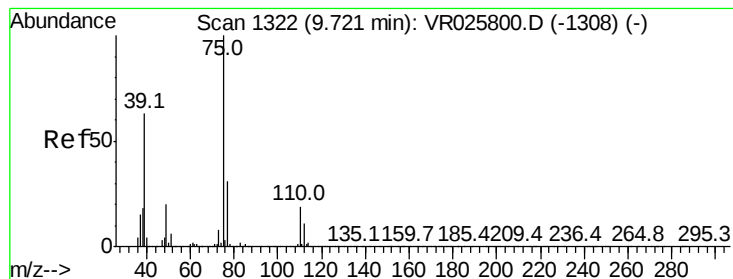


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 126.90 (126.60 to 127.60): V





#39

cis-1,3-Dichloropropene

Concen: 19.612 ug/L

RT: 9.72 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VR025802.D

Acq: 21 Sep 2018 15:37

Instrument :

MSVOA_R

ClientSampleId :

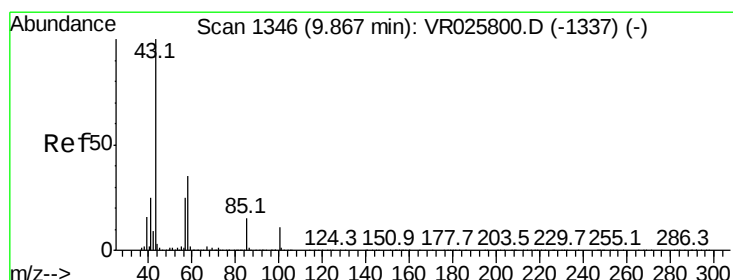
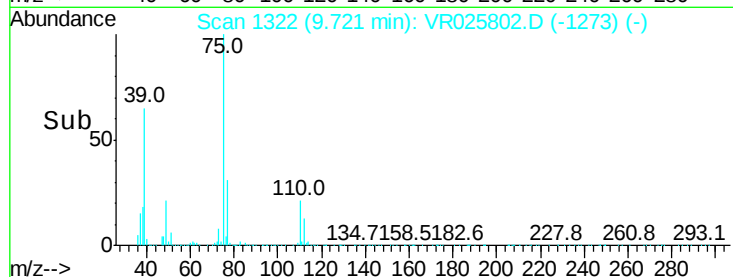
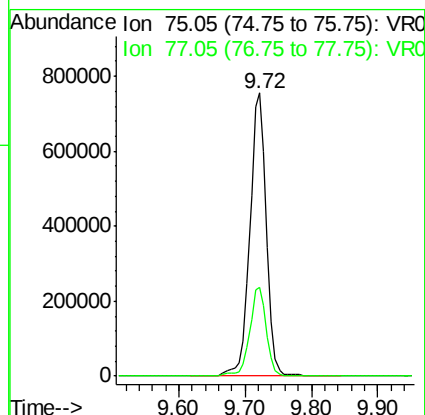
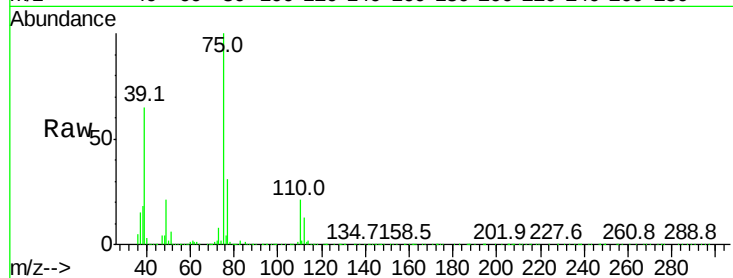
VSTD02023

Tgt Ion: 75 Resp: 1304894

Ion Ratio Lower Upper

75 100

77 31.3 21.5 39.9



#40

4-Methyl-2-pentanone

Concen: 195.761 ug/L

RT: 9.87 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VR025802.D

Acq: 21 Sep 2018 15:37

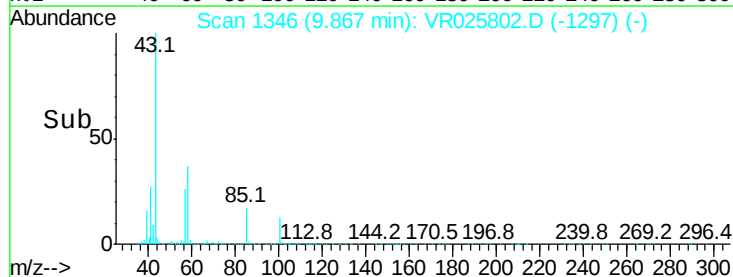
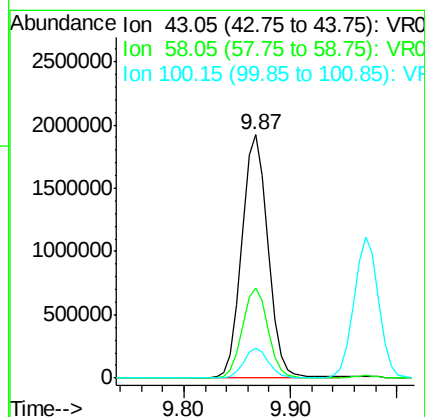
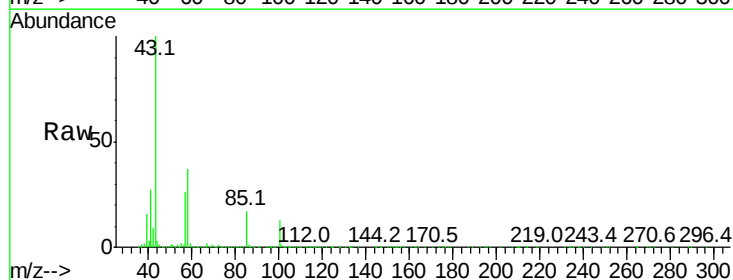
Tgt Ion: 43 Resp: 3330826

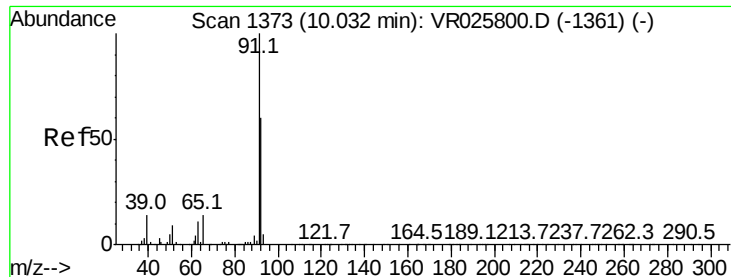
Ion Ratio Lower Upper

43 100

58 36.4 28.6 43.0

100 11.8 9.0 13.4





#42

Toluene

Concen: 19.244 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. 0.01 min

Lab File: VR025802.D

Acq: 21 Sep 2018 15:37

Instrument :

MSVOA_R

ClientSampleId :

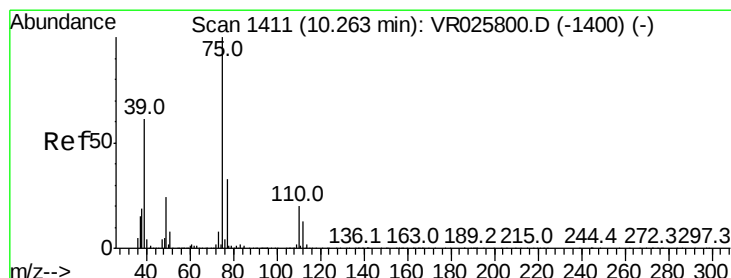
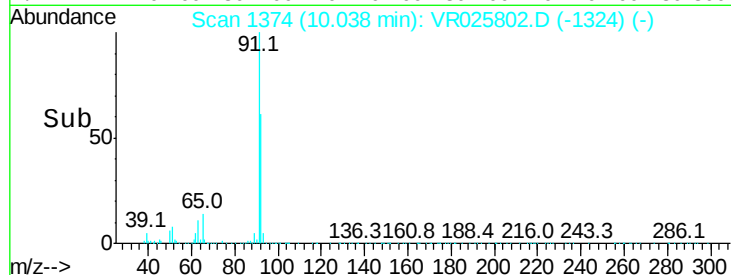
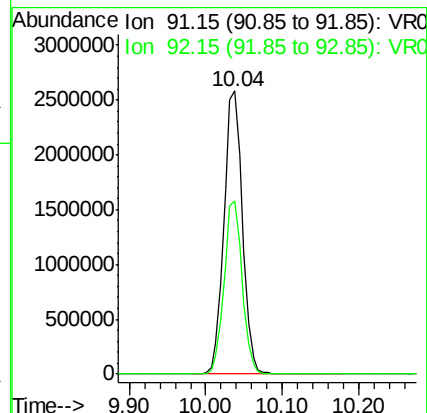
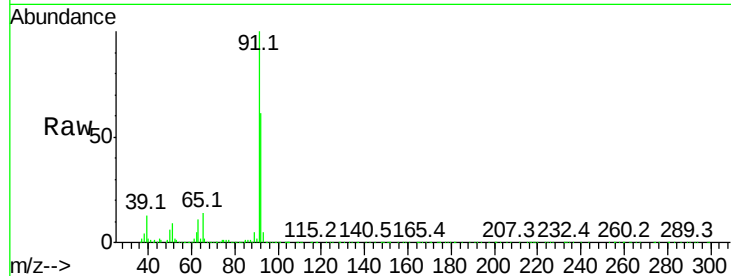
VSTD02023

Tgt Ion: 91 Resp: 4310622

Ion Ratio Lower Upper

91 100

92 61.4 41.8 77.6



#44

trans-1,3-Dichloropropene

Concen: 19.462 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR025802.D

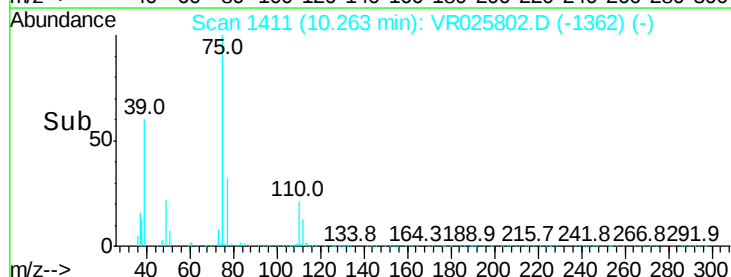
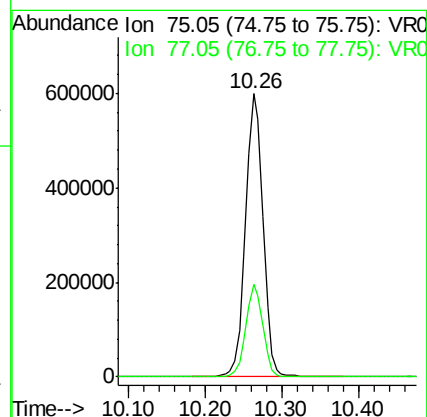
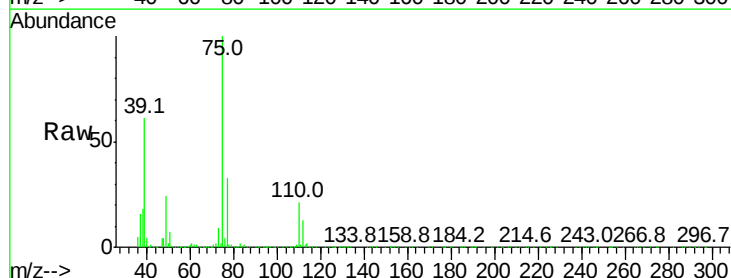
Acq: 21 Sep 2018 15:37

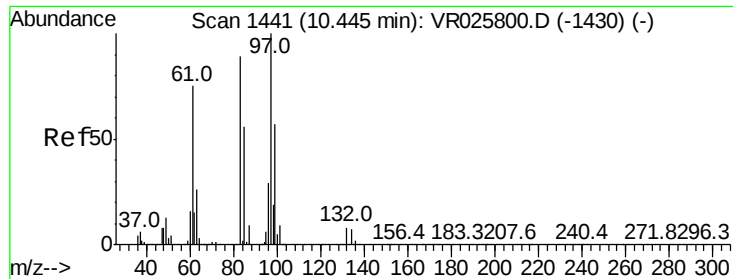
Tgt Ion: 75 Resp: 952395

Ion Ratio Lower Upper

75 100

77 32.7 23.0 42.8

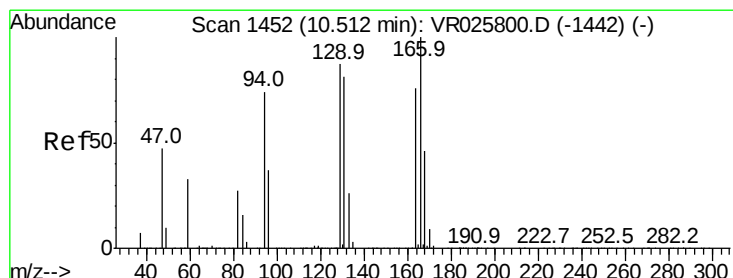
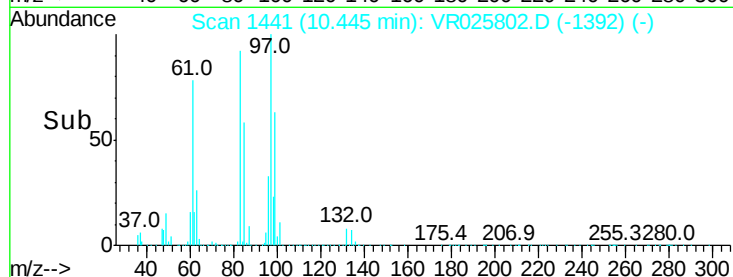
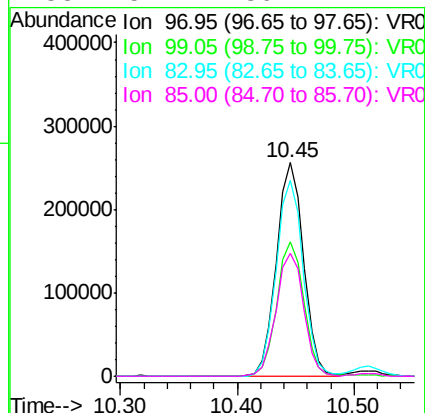
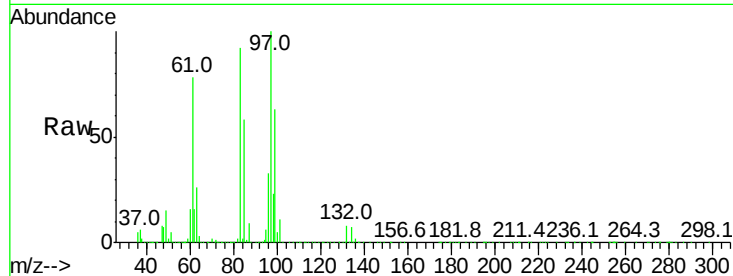




#45
 1,1,2-Trichloroethane
 Concen: 19.606 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VR025802.D
 Acq: 21 Sep 2018 15:37

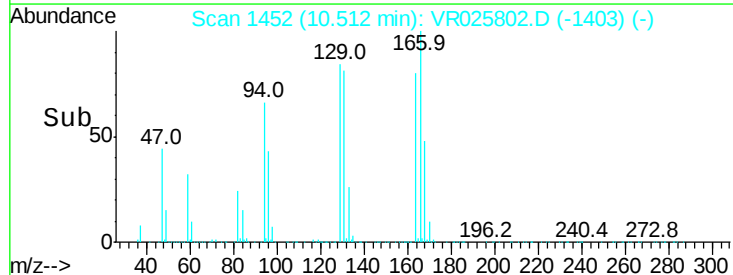
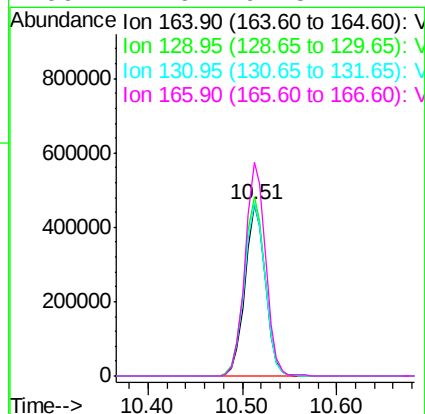
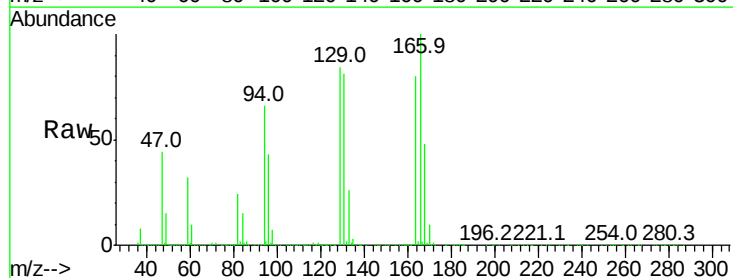
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02023

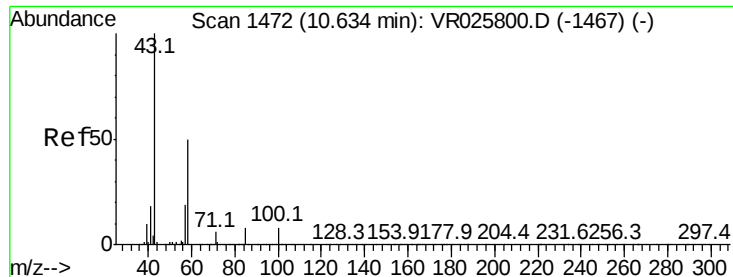
Tgt Ion:	97	Resp:	409725
Ion	Ratio	Lower	Upper
97	100		
99	62.8	39.6	73.6
83	91.9	62.2	115.6
85	57.7	39.1	72.7



#47
 Tetrachloroethene
 Concen: 19.131 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: VR025802.D
 Acq: 21 Sep 2018 15:37

Tgt Ion:	164	Resp:	692104
Ion	Ratio	Lower	Upper
164	100		
129	104.8	80.8	150.2
131	100.7	74.5	138.3
166	124.6	92.5	171.7



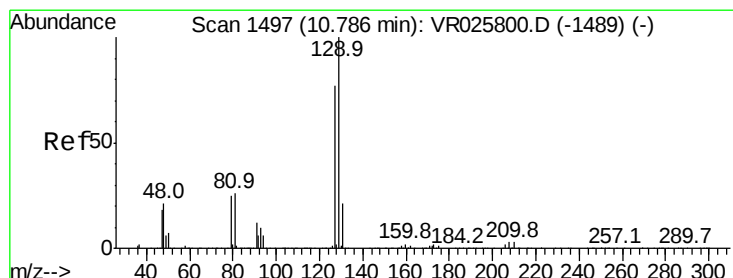
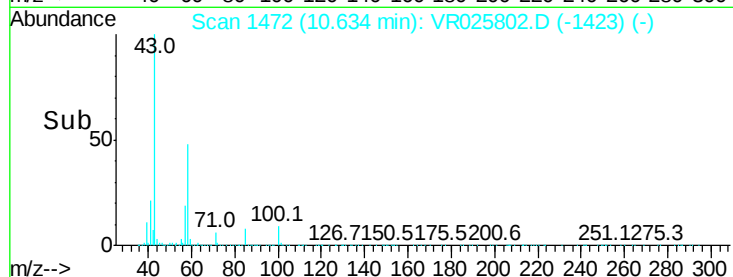
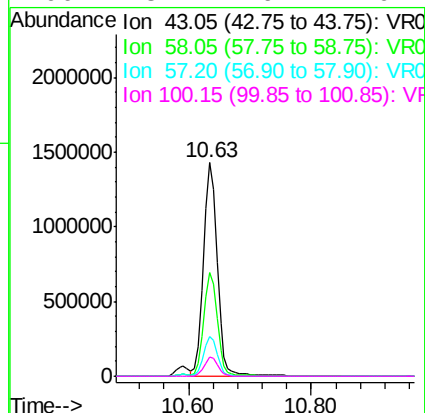
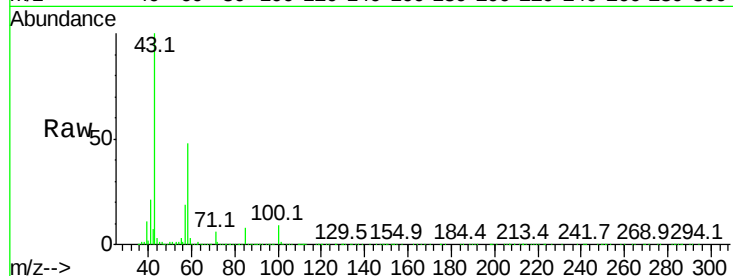


#48
2-Hexanone
Concen: 197.170 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR025802.D
Acq: 21 Sep 2018 15:37

Instrument :
MSVOA_R
ClientSampleId :
VSTD02023

Tgt Ion: 43 Resp: 2233077

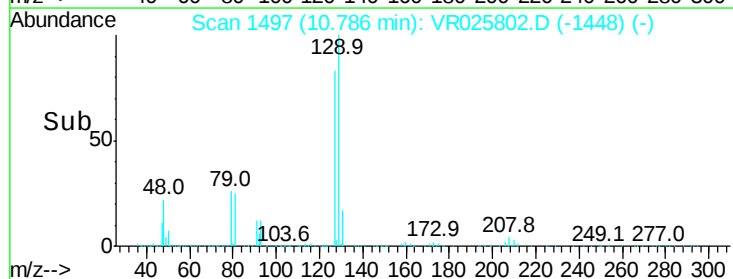
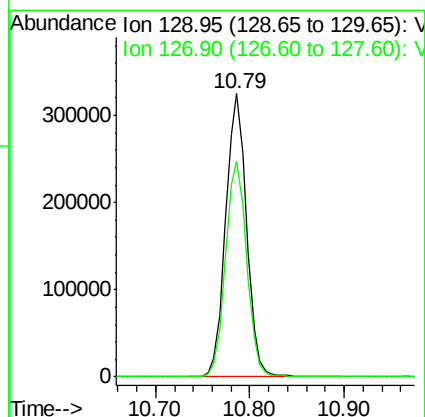
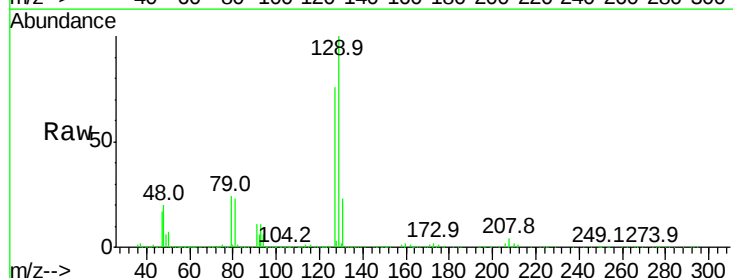
Ion	Ratio	Lower	Upper
43	100		
58	48.9	39.5	59.3
57	18.3	14.6	21.8
100	8.7	6.7	10.1

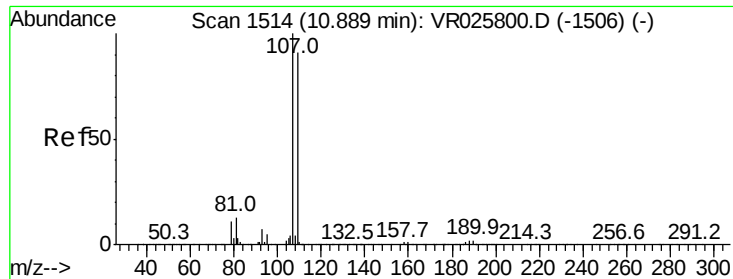


#49
Dibromochloromethane
Concen: 19.126 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VR025802.D
Acq: 21 Sep 2018 15:37

Tgt Ion: 129 Resp: 499013

Ion	Ratio	Lower	Upper
129	100		
127	76.2	54.1	100.5

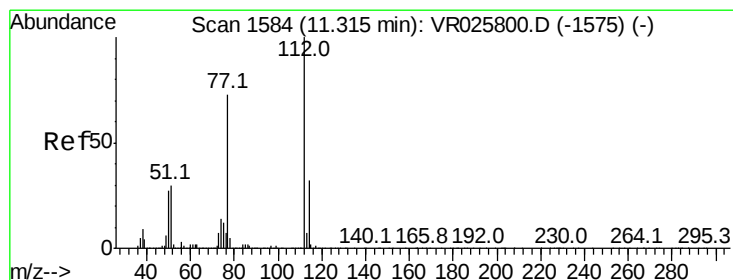
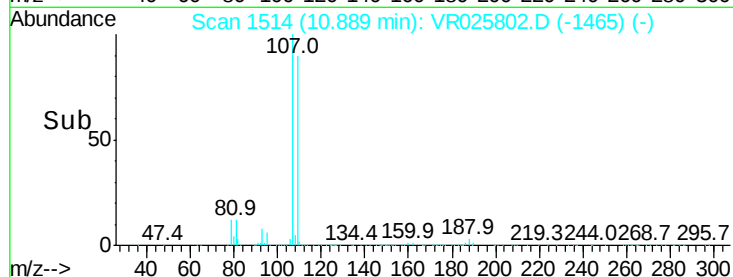
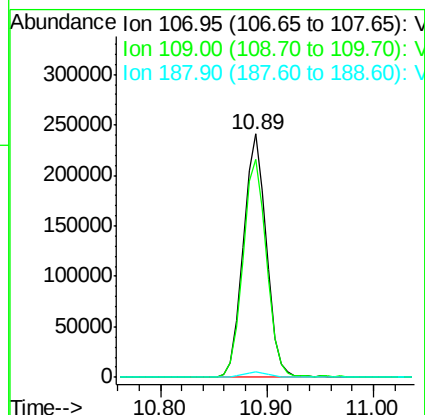
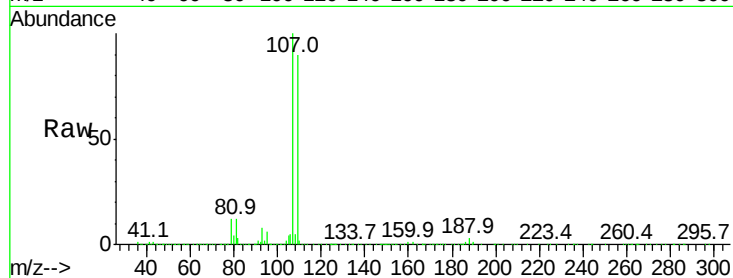




#50
1,2-Dibromoethane
Concen: 19.312 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VR025802.D
Acq: 21 Sep 2018 15:37

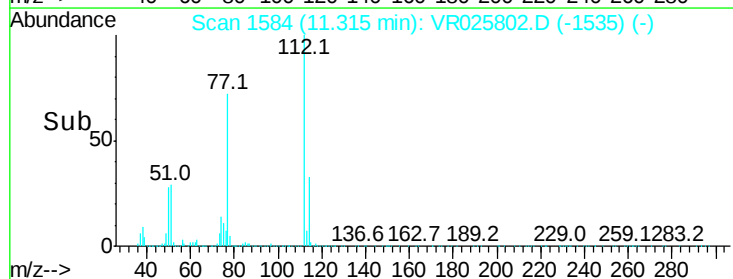
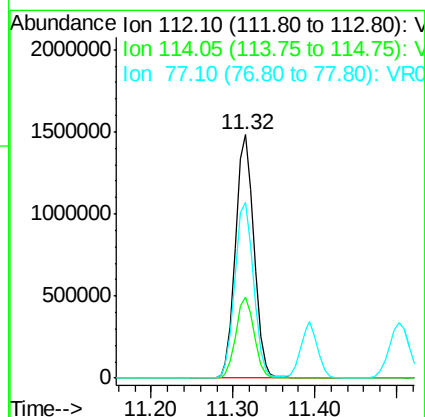
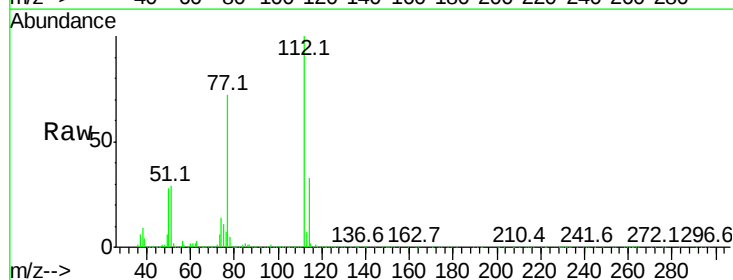
Instrument :
MSVOA_R
ClientSampleId :
VSTD02023

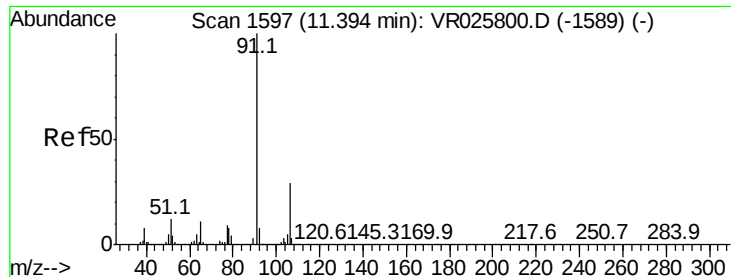
Tgt Ion:107 Resp: 367725
Ion Ratio Lower Upper
107 100
109 89.6 63.5 117.9
188 2.5 1.7 2.5



#51
Chlorobenzene
Concen: 18.617 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VR025802.D
Acq: 21 Sep 2018 15:37

Tgt Ion:112 Resp: 2279560
Ion Ratio Lower Upper
112 100
114 33.2 22.7 42.3
77 72.0 58.5 87.7





#52

Ethylbenzene

Concen: 18.469 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR025802.D

Acq: 21 Sep 2018 15:37

Instrument :

MSVOA_R

ClientSampleId :

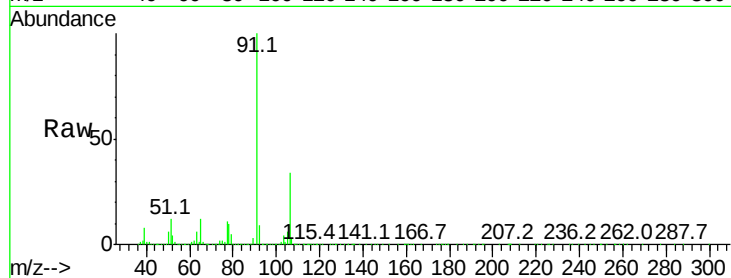
VSTD02023

Tgt Ion: 91 Resp: 4840460

Ion Ratio Lower Upper

91 100

106 34.0 20.6 38.4



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 106.15 (105.85 to 106.85): V

11.39

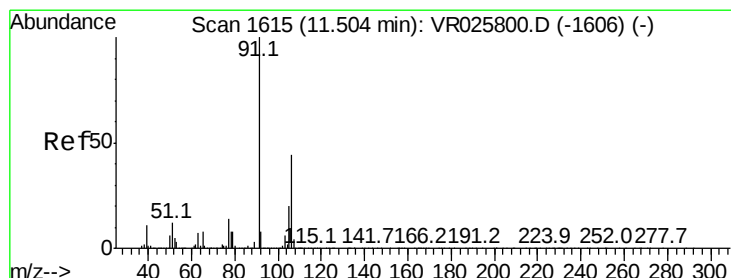
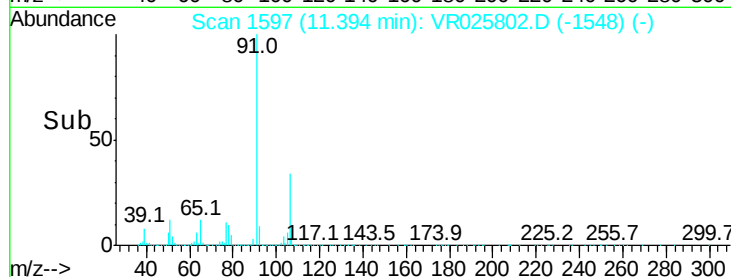
3000000

2000000

1000000

0

Time--> 11.30 11.40 11.50



#53

m,p-Xylene

Concen: 19.028 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR025802.D

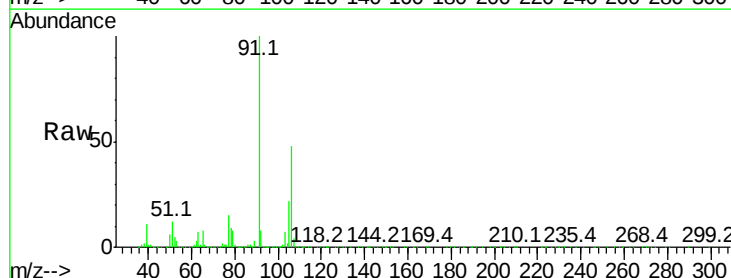
Acq: 21 Sep 2018 15:37

Tgt Ion: 106 Resp: 1842771

Ion Ratio Lower Upper

106 100

91 209.5 159.7 296.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0

11.50

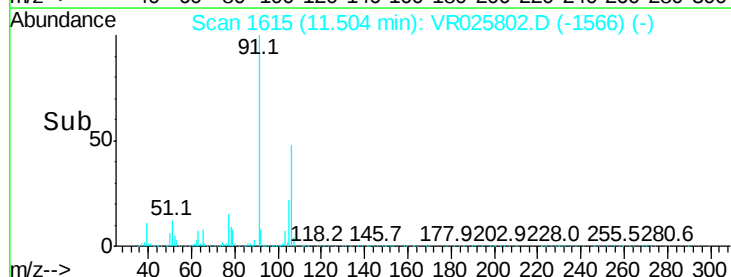
3000000

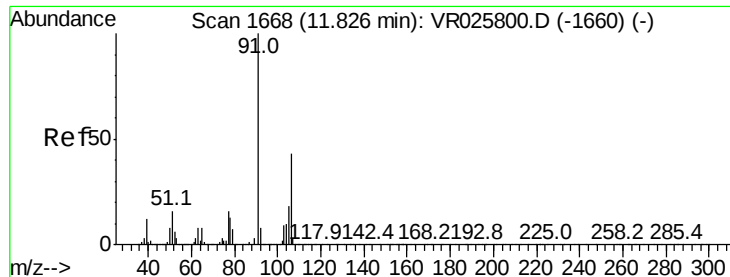
2000000

1000000

0

Time--> 11.40 11.50 11.60





#54

o-Xylene

Concen: 19.452 ug/L

RT: 11.83 min Scan# 1669

Delta R.T. 0.01 min

Lab File: VR025802.D

Acq: 21 Sep 2018 15:37

Instrument :

MSVOA_R

ClientSampled :

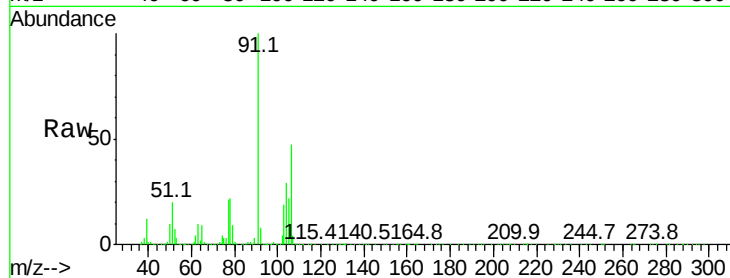
VSTD02023

Tgt Ion:106 Resp: 1738102

Ion Ratio Lower Upper

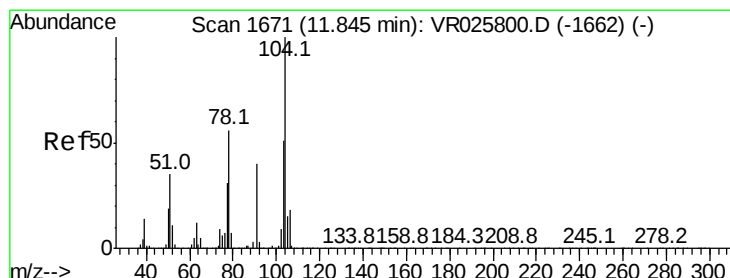
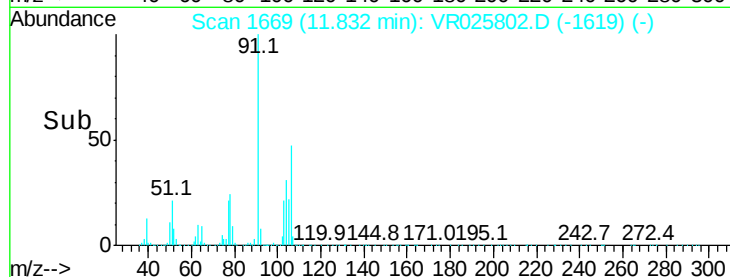
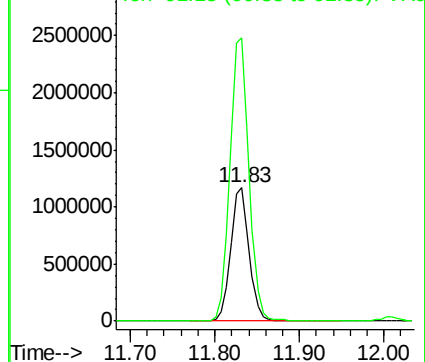
106 100

91 211.9 164.5 305.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0



#55

Styrene

Concen: 19.384 ug/L

RT: 11.84 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VR025802.D

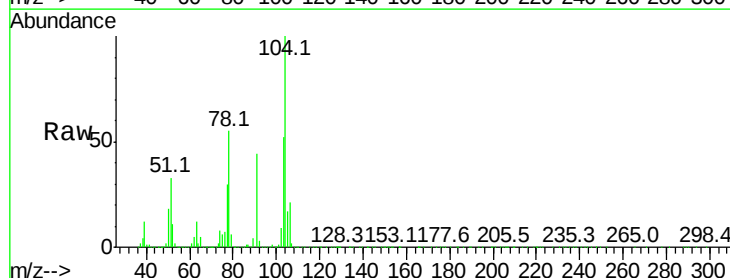
Acq: 21 Sep 2018 15:37

Tgt Ion:104 Resp: 2681756

Ion Ratio Lower Upper

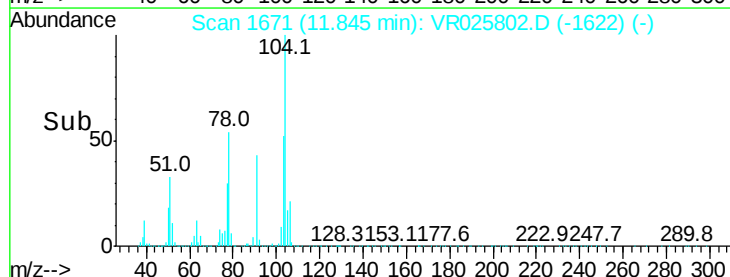
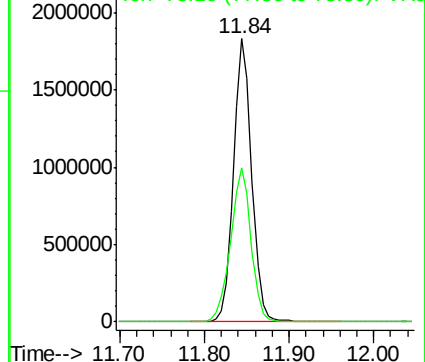
104 100

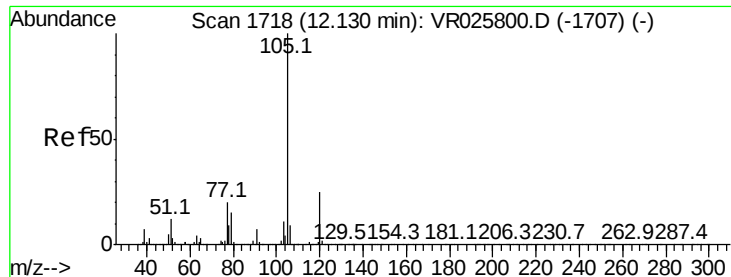
78 54.5 39.3 72.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VR0





#56

Isopropylbenzene

Concen: 18.296 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR025802.D

Acq: 21 Sep 2018 15:37

Instrument :

MSVOA_R

ClientSampleId :

VSTD02023

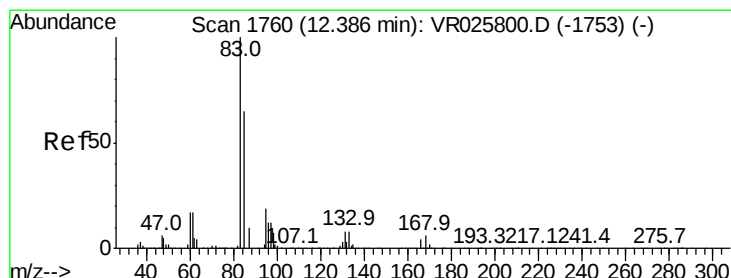
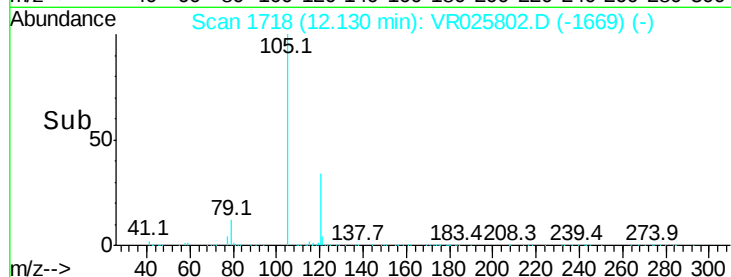
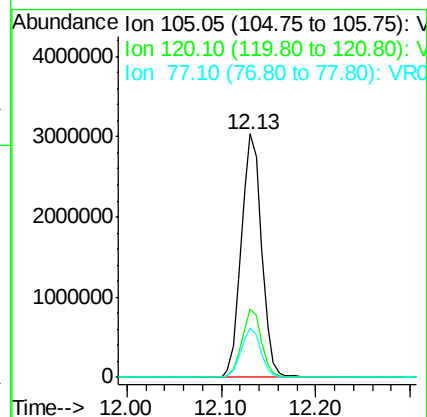
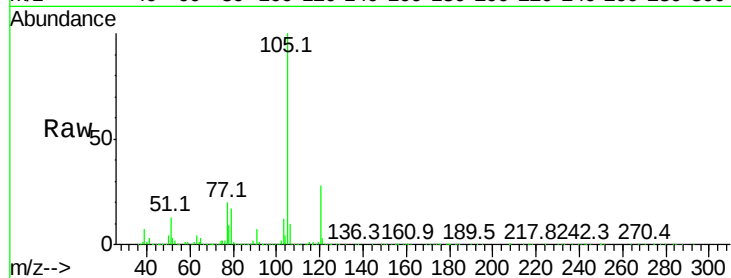
Tgt Ion:105 Resp: 4530340

Ion Ratio Lower Upper

105 100

120 26.8 19.8 29.8

77 19.6 15.5 23.3



#58

1,1,2,2-Tetrachloroethane

Concen: 18.180 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. -0.00 min

Lab File: VR025802.D

Acq: 21 Sep 2018 15:37

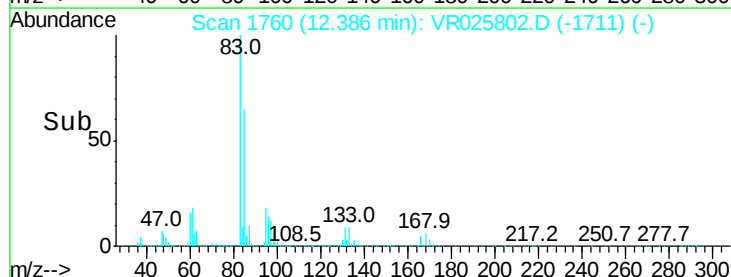
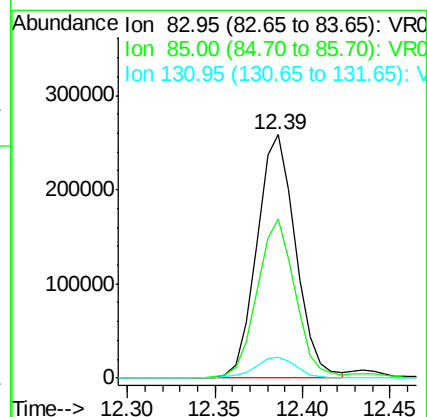
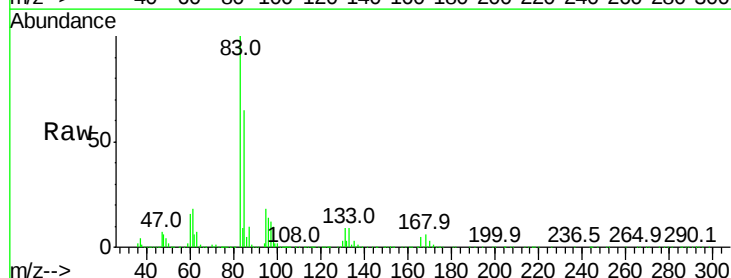
Tgt Ion: 83 Resp: 396048

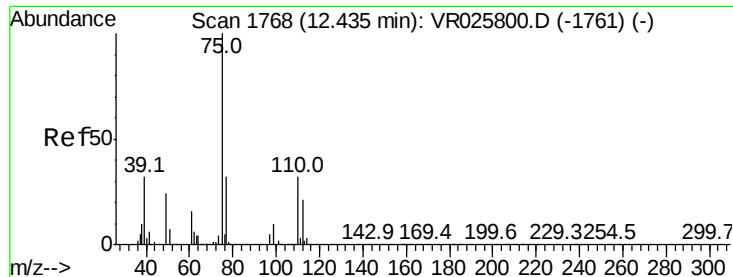
Ion Ratio Lower Upper

83 100

85 65.2 45.8 85.0

131 8.7 6.6 9.8





#59

1,2,3-Trichloropropane

Concen: 17.648 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VR025802.D

Acq: 21 Sep 2018 15:37

Instrument :

MSVOA_R

ClientSampleId :

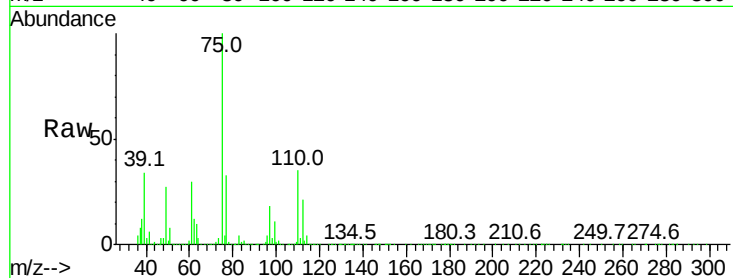
VSTD02023

Tgt Ion: 75 Resp: 306764

Ion Ratio Lower Upper

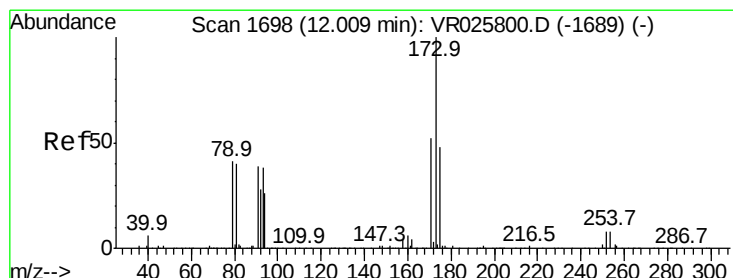
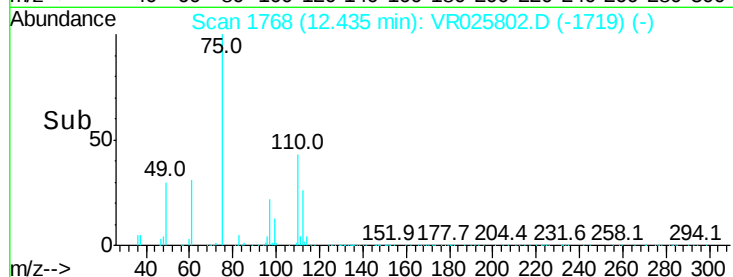
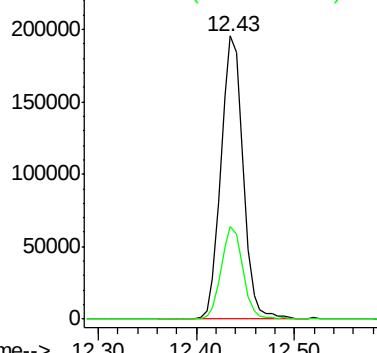
75 100

77 31.8 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VR0

Ion 77.00 (76.70 to 77.70): VR0



#61

Bromoform

Concen: 18.226 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VR025802.D

Acq: 21 Sep 2018 15:37

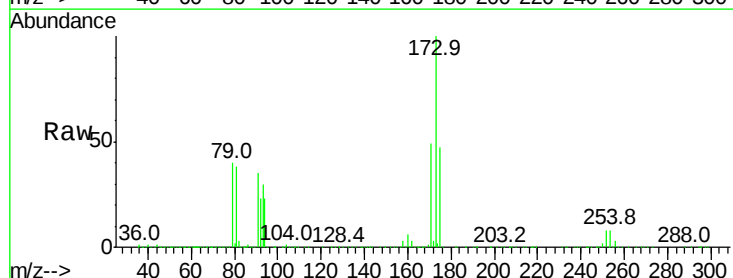
Tgt Ion: 173 Resp: 178269

Ion Ratio Lower Upper

173 100

175 48.8 36.9 55.3

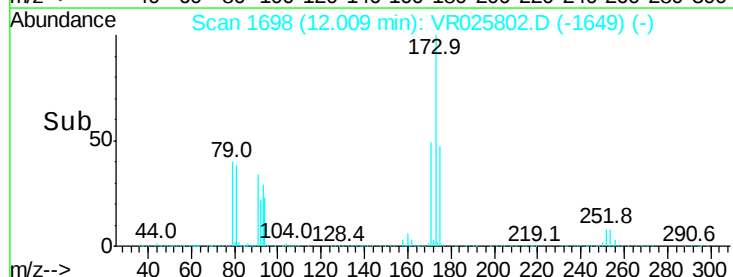
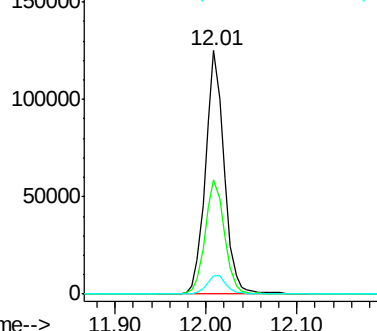
254 8.0 6.6 10.0

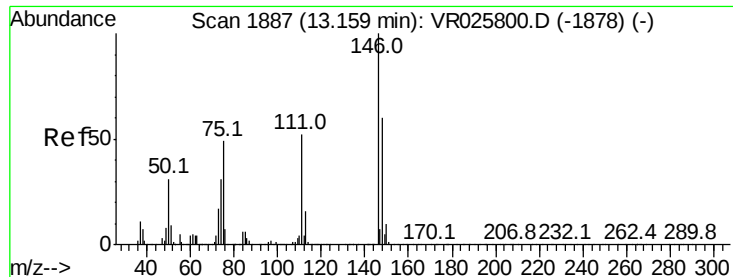


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V





#62

1,3-Dichlorobenzene

Concen: 18.810 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. 0.01 min

Lab File: VR025802.D

Acq: 21 Sep 2018 15:37

Instrument :

MSVOA_R

ClientSampleId :

VSTD02023

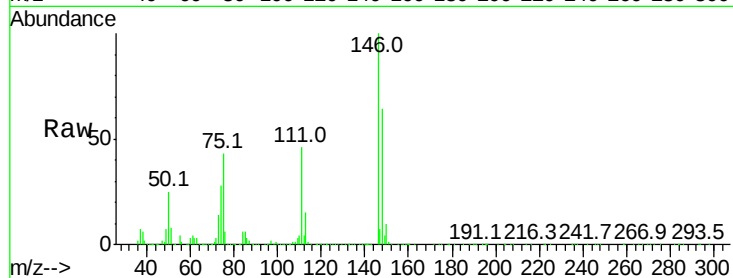
Tgt Ion:146 Resp: 1378283

Ion Ratio Lower Upper

146 100

111 46.4 36.6 68.0

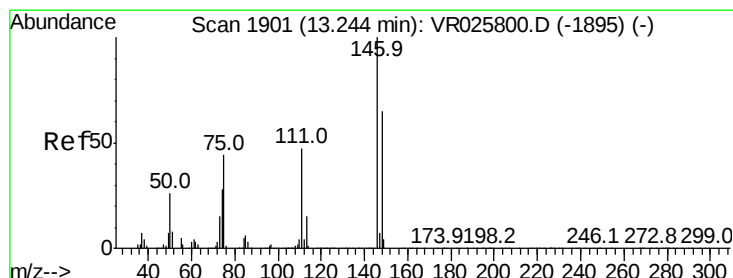
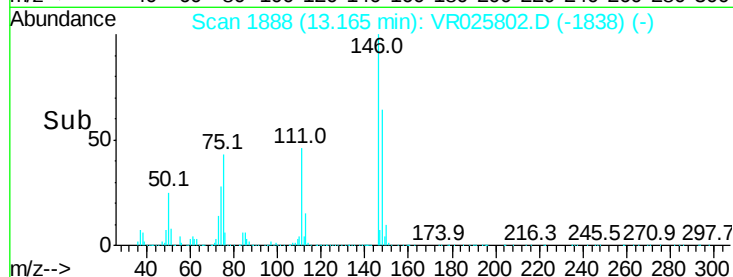
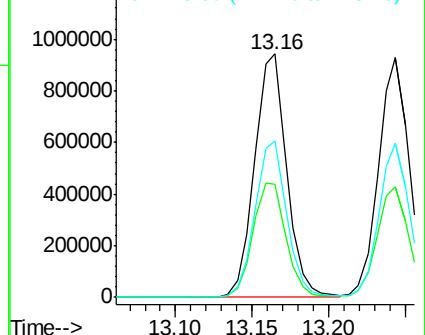
148 64.4 41.9 77.7



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: 19.058 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. -0.00 min

Lab File: VR025802.D

Acq: 21 Sep 2018 15:37

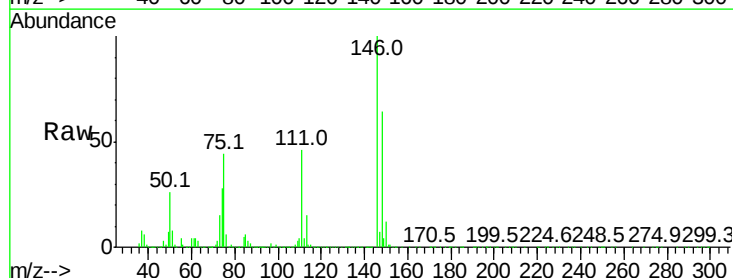
Tgt Ion:146 Resp: 1314671

Ion Ratio Lower Upper

146 100

111 46.2 32.9 61.1

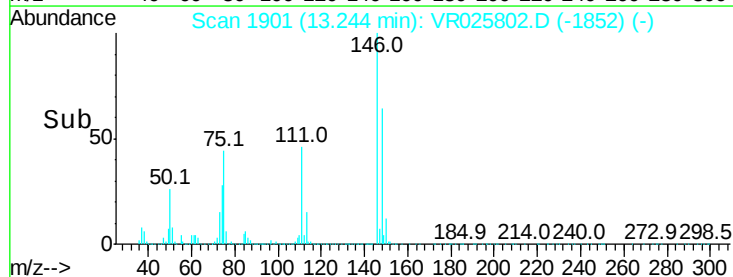
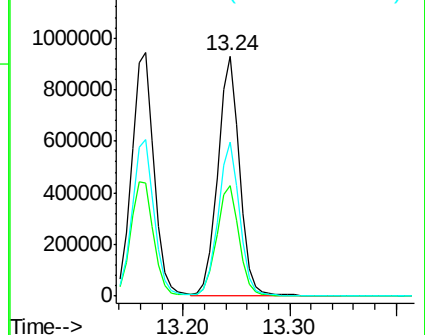
148 64.1 45.5 84.5

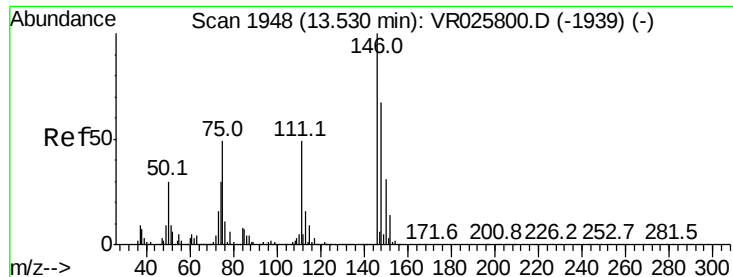


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

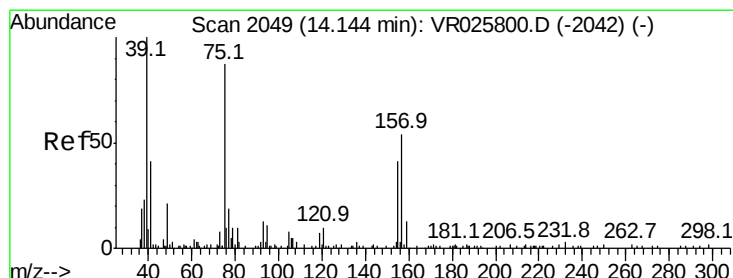
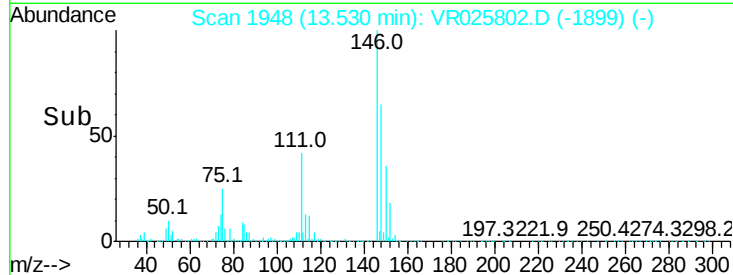
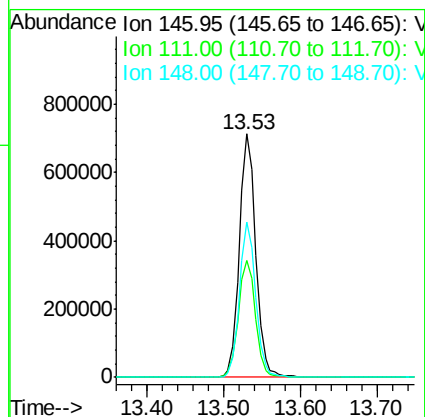
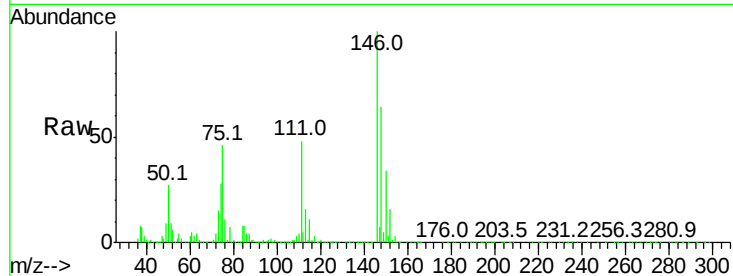




#65
 1,2-Dichlorobenzene
 Concen: 19.347 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. 0.00 min
 Lab File: VR025802.D
 Acq: 21 Sep 2018 15:37

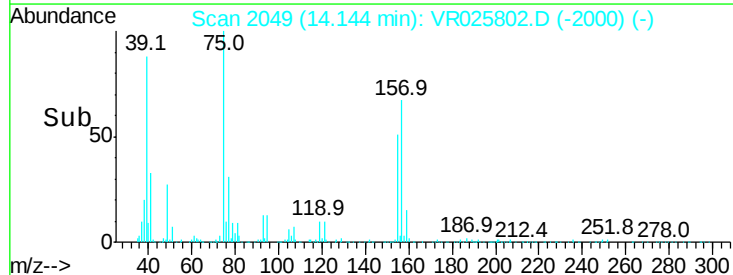
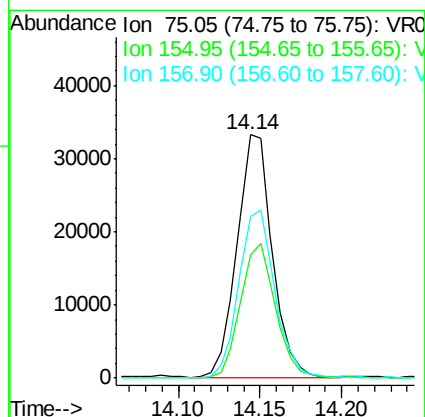
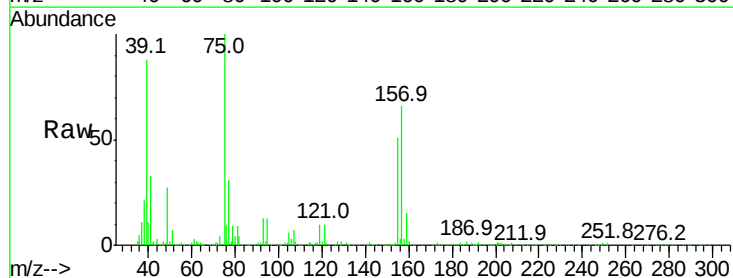
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02023

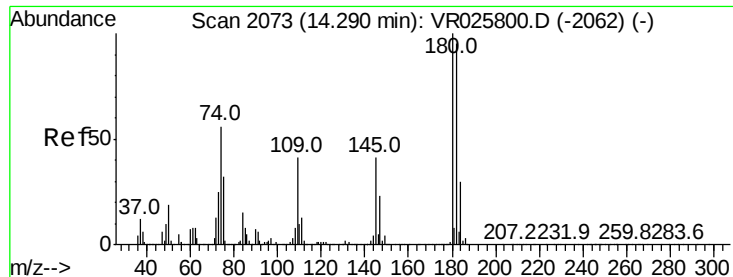
Tgt Ion: 146 Resp: 1056150
 Ion Ratio Lower Upper
 146 100
 111 48.2 39.4 59.0
 148 63.6 53.5 80.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 15.869 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VR025802.D
 Acq: 21 Sep 2018 15:37

Tgt Ion: 75 Resp: 50297
 Ion Ratio Lower Upper
 75 100
 155 50.7 37.8 56.6
 157 66.4 49.7 74.5

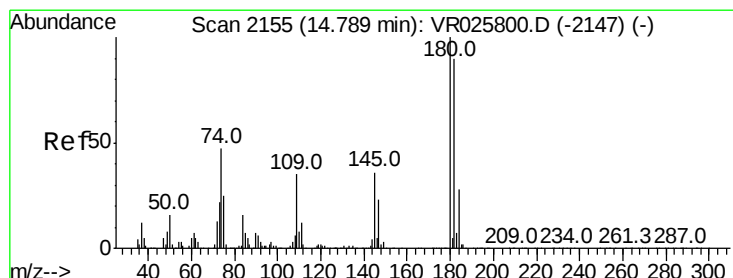
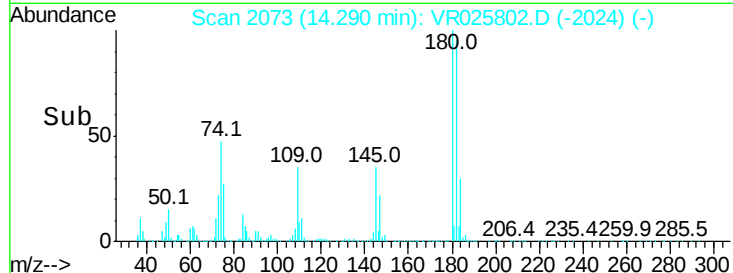
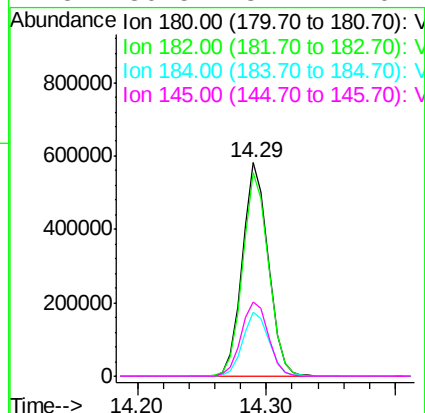
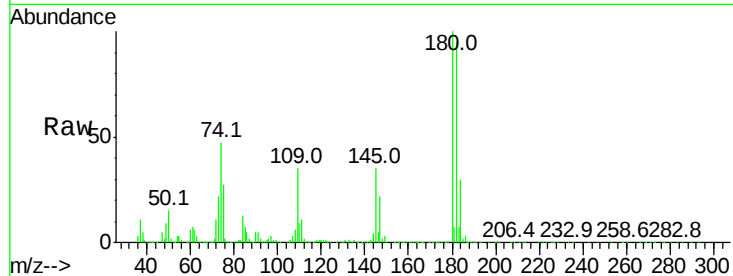




#67
 1,3,5-Trichlorobenzene
 Concen: 19.256 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VR025802.D
 Acq: 21 Sep 2018 15:37

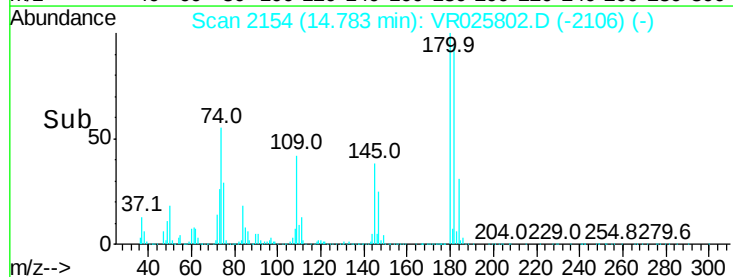
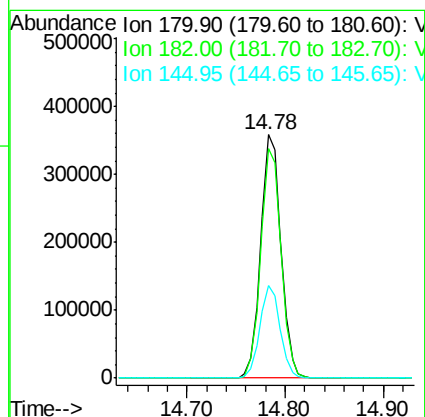
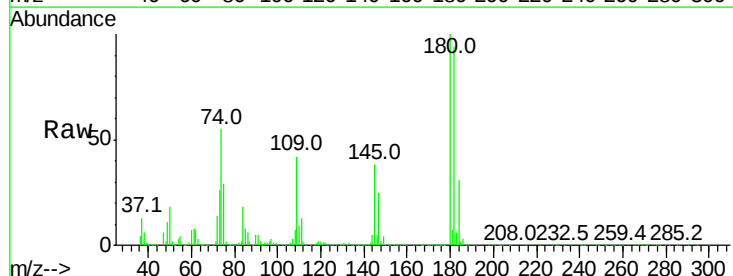
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02023

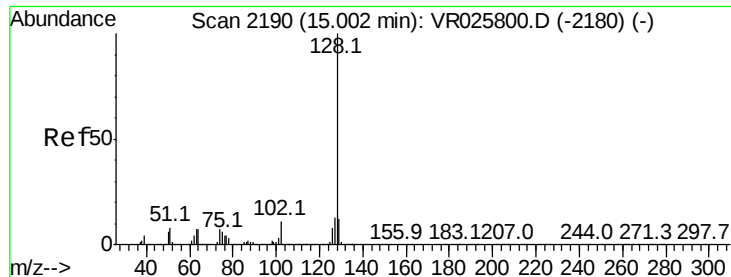
Tgt Ion:	180	Resp:	802797
Ion Ratio	Lower	Upper	
180	100		
182	95.3	77.2	115.8
184	30.5	24.5	36.7
145	36.5	31.1	46.7



#68
 1,2,4-trichlorobenzene
 Concen: 18.895 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. -0.01 min
 Lab File: VR025802.D
 Acq: 21 Sep 2018 15:37

Tgt Ion:	180	Resp:	515953
Ion Ratio	Lower	Upper	
180	100		
182	94.2	75.2	112.8
145	37.5	30.5	45.7





#69

Naphthalene

Concen: 19.168 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VR025802.D

Acq: 21 Sep 2018 15:37

Instrument :

MSVOA_R

ClientSampleId :

VSTD02023

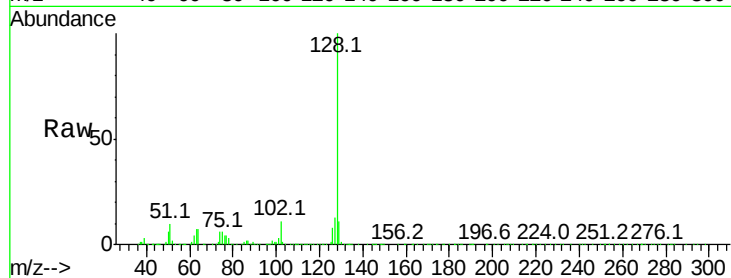
Tgt Ion:128 Resp: 783257

Ion Ratio Lower Upper

128 100

127 12.7 10.5 15.7

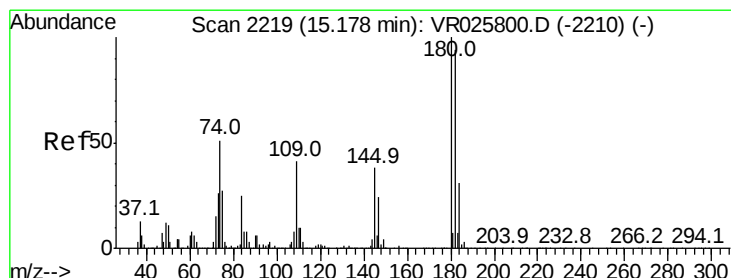
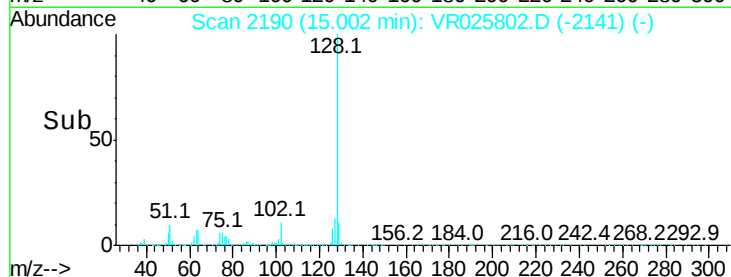
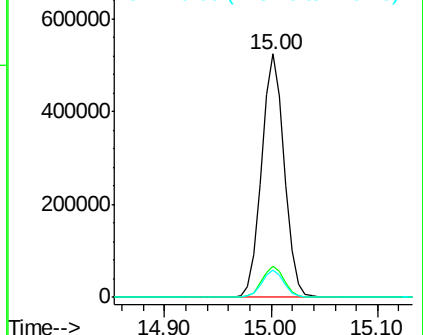
129 10.8 9.4 14.2



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: 18.301 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VR025802.D

Acq: 21 Sep 2018 15:37

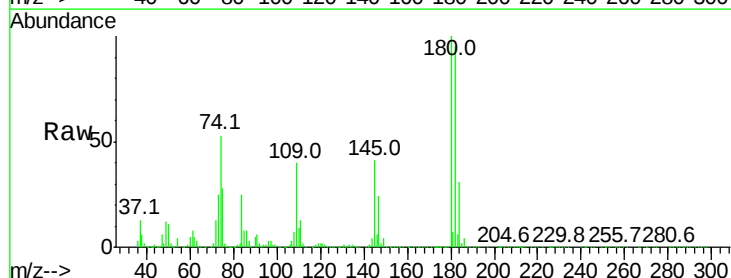
Tgt Ion:180 Resp: 357789

Ion Ratio Lower Upper

180 100

182 95.0 74.7 112.1

145 40.0 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

