

Data File : VR026218.D
Acq On : 9 Nov 2018 12:52
Operator : SY/MD
Sample : VSTD01084
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD01084

Quant Time: Nov 09 13:42:04 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR110918WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 09 13:36:50 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	623116	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	547965	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	217349	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	431578	7.91	ug/L	0.00
7) Chloroethane-d5	2.62	69	408414	8.71	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.61	63	1107648	8.27	ug/L	0.00
20) 2-Butanone-d5	6.58	46	441990	98.72	ug/L	0.00
24) Chloroform-d	7.20	84	786671	9.07	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.90	65	316686	8.78	ug/L	0.00
32) Benzene-d6	7.85	84	1551324	8.81	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.90	67	405331	8.91	ug/L	0.00
41) Toluene-d8	9.97	98	1514093	9.11	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	110916	9.31	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	371796	107.98	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	169019	9.47	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.52	152	310297	9.03	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	378816	9.051 ug/L	92
3) Chloromethane	2.02	50	633561	9.532 ug/L	97
5) Vinyl chloride	2.17	62	611567	9.236 ug/L	99
6) Bromomethane	2.52	94	416541	9.525 ug/L	99
8) Chloroethane	2.66	64	385183	9.388 ug/L	99
9) Trichlorofluoromethane	2.94	101	388148	4.061 ug/L	# 20
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	482442	8.466 ug/L	98
12) 1,1-Dichloroethene	3.63	96	551696	9.105 ug/L	91
13) Acetone	3.70	43	407525	88.050 ug/L	99
14) Carbon disulfide	3.93	76	1578528	9.965 ug/L	98
15) Methyl Acetate	4.19	43	101349	8.383 ug/L	99
16) Methylene chloride	4.40	84	471389	8.579 ug/L	96
17) Methyl tert-butyl Ether	4.89	73	530208	9.638 ug/L	98
18) trans-1,2-Dichloroethene	4.89	96	451723	9.858 ug/L	89
19) 1,1-Dichloroethane	5.69	63	813143	9.452 ug/L	97
21) 2-Butanone	6.69	43	522850	97.923 ug/L	100
22) cis-1,2-Dichloroethene	6.67	96	440790	10.169 ug/L	95
23) Bromochloromethane	7.05	128	120330	9.896 ug/L	95
25) Chloroform	7.23	83	800546	9.534 ug/L	100
27) 1,2-Dichloroethane	7.99	62	380014	9.246 ug/L	97
29) 1,1,1-Trichloroethane	7.43	97	699383	9.340 ug/L	99
30) Cyclohexane	7.52	56	708716	9.429 ug/L	98
31) Carbon tetrachloride	7.63	117	622888	9.149 ug/L	99
33) Benzene	7.91	78	1971994	9.591 ug/L	100
34) Trichloroethene	8.71	95	492549	9.359 ug/L	99
35) Methylcyclohexane	8.95	83	723944	9.240 ug/L	99
37) 1,2-Dichloropropane	8.99	63	396588	9.142 ug/L	100
38) Bromodichloromethane	9.28	83	461272	9.888 ug/L	99
39) cis-1,3-Dichloropropene	9.72	75	519875	10.471 ug/L	98
40) 4-Methyl-2-pentanone	9.86	43	1302399	98.310 ug/L	98

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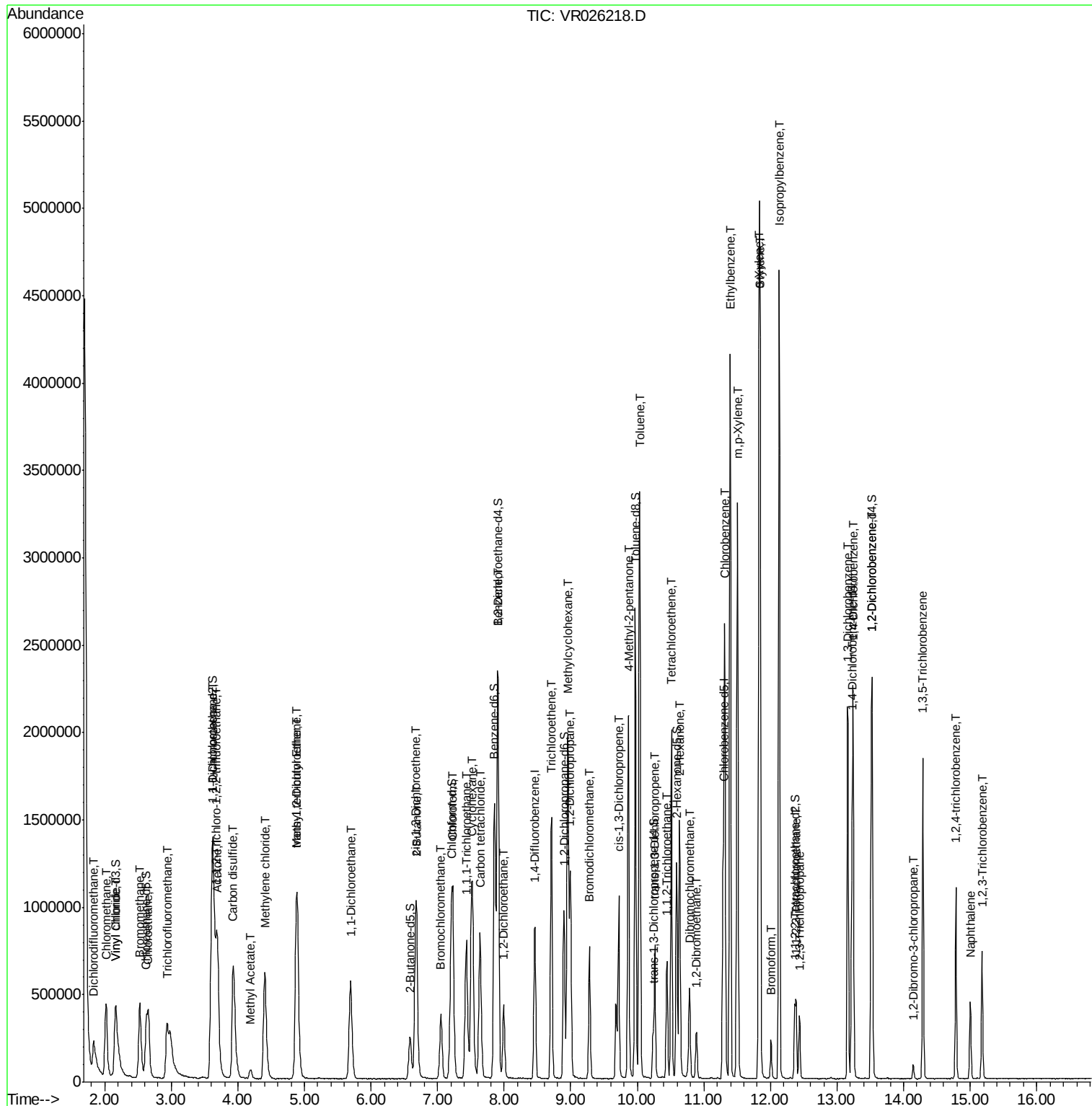
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.04	91	2135654	9.841	ug/L	99
44) trans-1,3-Dichloropropene	10.26	75	352744	10.169	ug/L	93
45) 1,1,2-Trichloroethane	10.45	97	175066	9.568	ug/L	98
47) Tetrachloroethene	10.51	164	344545	9.168	ug/L	93
48) 2-Hexanone	10.63	43	858970	99.273	ug/L	99
49) Dibromochloromethane	10.79	129	218840	10.628	ug/L	98
50) 1,2-Dibromoethane	10.89	107	154447	9.770	ug/L #	92
51) Chlorobenzene	11.32	112	1128693	9.395	ug/L	100
52) Ethylbenzene	11.39	91	2480552	9.940	ug/L	98
53) m,p-Xylene	11.50	106	922469	10.146	ug/L	93
54) o-Xylene	11.83	106	872721	10.470	ug/L	93
55) Styrene	11.84	104	1330534	10.371	ug/L	97
56) Isopropylbenzene	12.13	105	2375711	10.262	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	172184	9.259	ug/L	94
59) 1,2,3-Trichloropropane	12.43	75	125901	9.221	ug/L	96
61) Bromoform	12.01	173	79310	10.498	ug/L	97
62) 1,3-Dichlorobenzene	13.16	146	683807	9.470	ug/L	100
63) 1,4-Dichlorobenzene	13.24	146	687607	9.195	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	551668	9.520	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.14	75	19854	8.409	ug/L #	80
67) 1,3,5-Trichlorobenzene	14.29	180	418755	9.518	ug/L	99
68) 1,2,4-trichlorobenzene	14.78	180	252181	9.820	ug/L	98
69) Naphthalene	15.00	128	280452	11.247	ug/L	97
70) 1,2,3-Trichlorobenzene	15.18	180	175574	9.844	ug/L	98

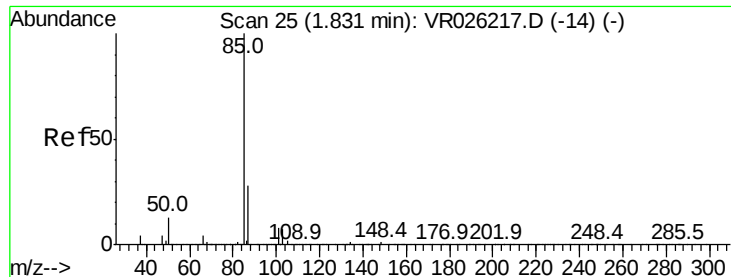
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 9.051 ug/L

RT: 1.84 min Scan# 26

Delta R.T. 0.01 min

Lab File: VR026218.D

Acq: 9 Nov 2018 12:52

Instrument :

MSVOA_R

ClientSampleId :

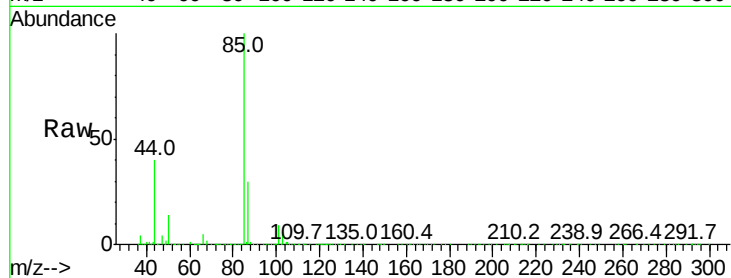
VSTD01084

Tgt Ion: 85 Resp: 378816

Ion Ratio Lower Upper

85 100

87 33.3 23.4 35.2



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0

1.84

100000

80000

60000

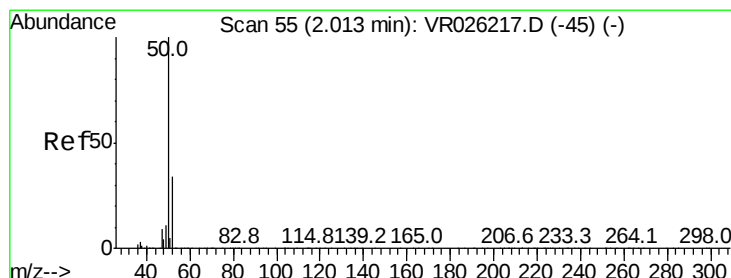
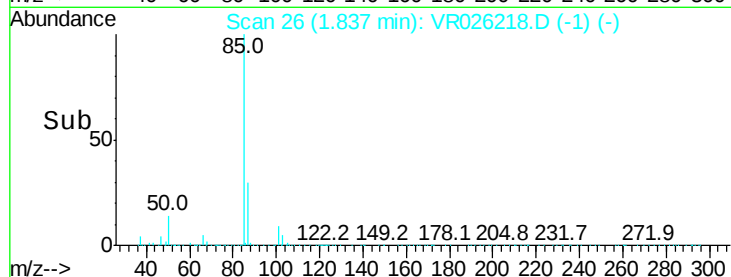
40000

20000

0

Time-->

1.70 1.80 1.90 2.00



#3

Chloromethane

Concen: 9.532 ug/L

RT: 2.02 min Scan# 56

Delta R.T. 0.01 min

Lab File: VR026218.D

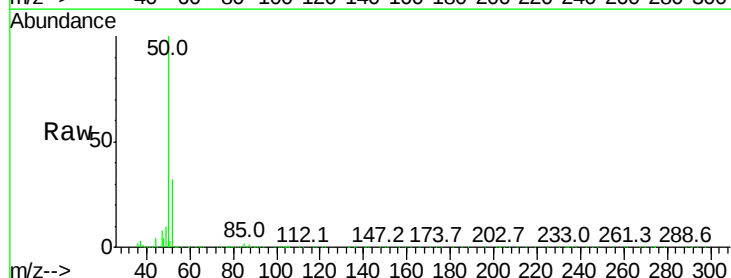
Acq: 9 Nov 2018 12:52

Tgt Ion: 50 Resp: 633561

Ion Ratio Lower Upper

50 100

52 31.8 23.4 43.6



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0

2.02

300000

250000

200000

150000

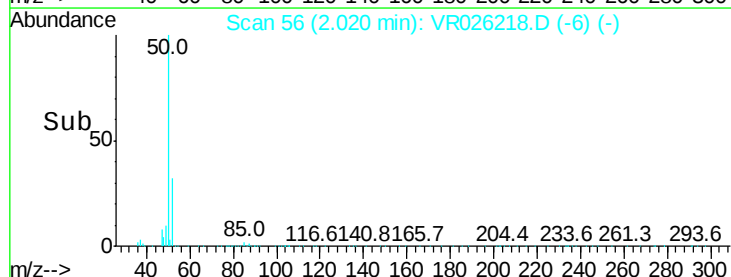
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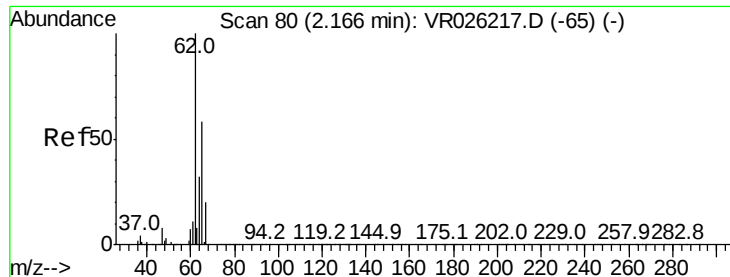
50000

0

Time-->

1.90 2.00 2.10





#5

Vinyl chloride

Concen: 9.236 ug/L

RT: 2.17 min Scan# 81

Delta R.T. 0.01 min

Lab File: VR026218.D

Acq: 9 Nov 2018 12:52

Instrument :

MSVOA_R

ClientSampleId :

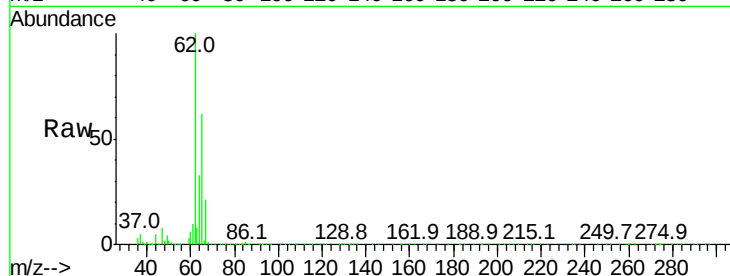
VSTD01084

Tgt Ion: 62 Resp: 611567

Ion Ratio Lower Upper

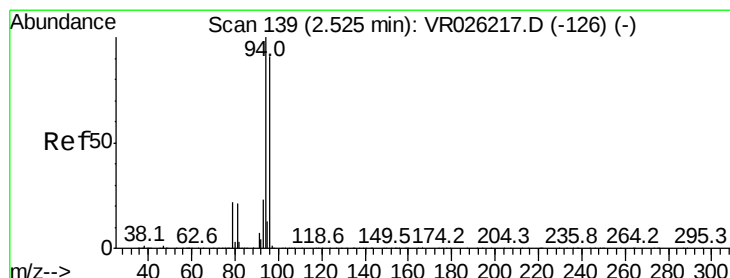
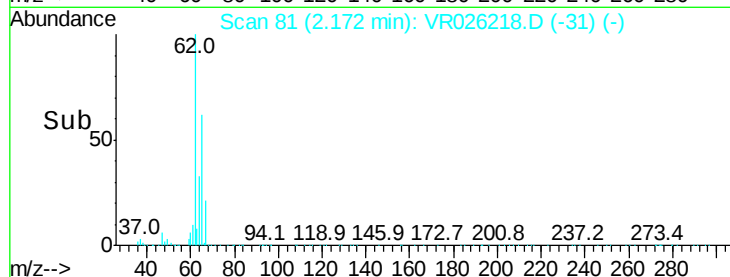
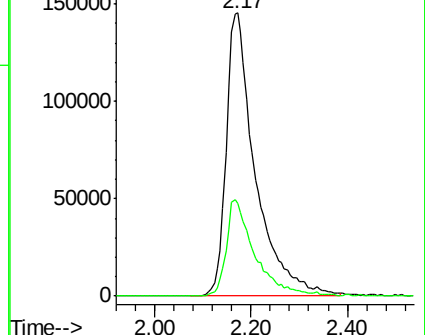
62 100

64 32.9 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 64.10 (63.80 to 64.80): VR0



#6

Bromomethane

Concen: 9.525 ug/L

RT: 2.52 min Scan# 139

Delta R.T. 0.00 min

Lab File: VR026218.D

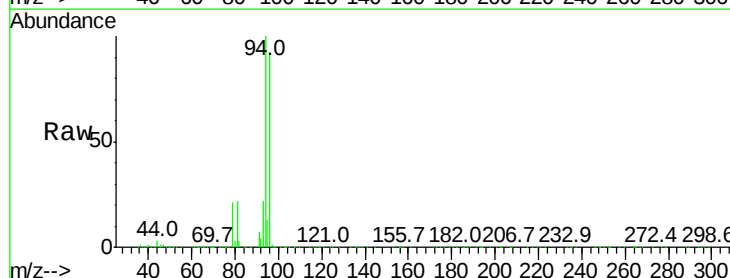
Acq: 9 Nov 2018 12:52

Tgt Ion: 94 Resp: 416541

Ion Ratio Lower Upper

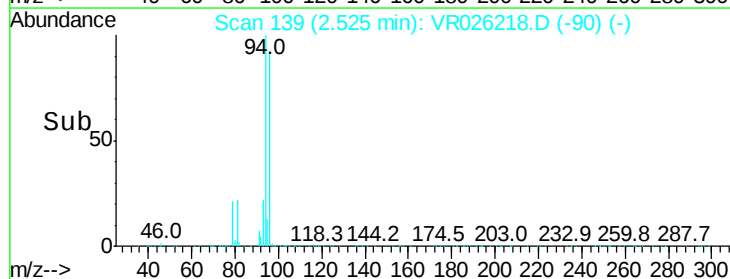
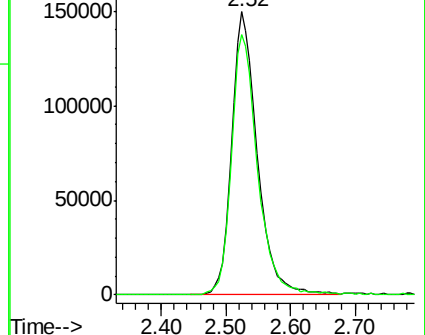
94 100

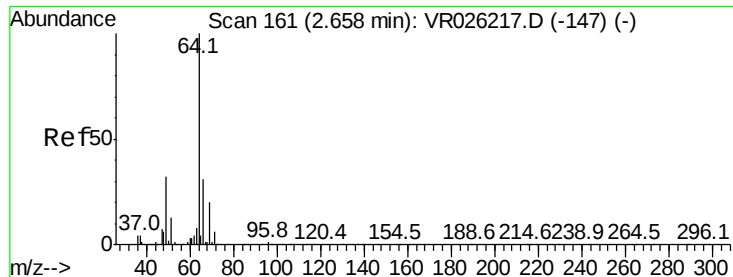
96 91.8 63.4 117.8



Abundance Ion 94.00 (93.70 to 94.70): VR0

Ion 96.00 (95.70 to 96.70): VR0

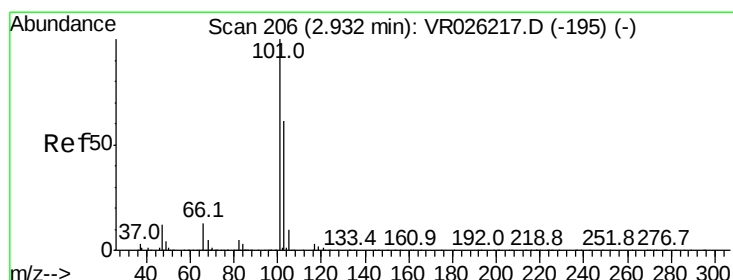
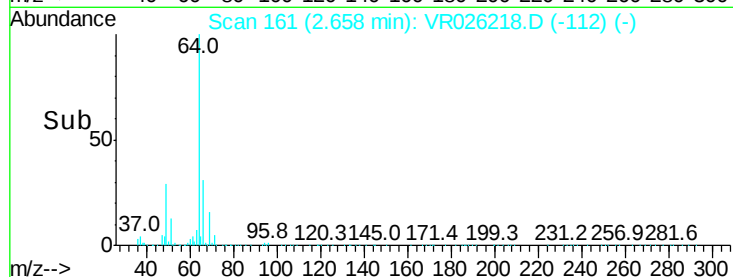
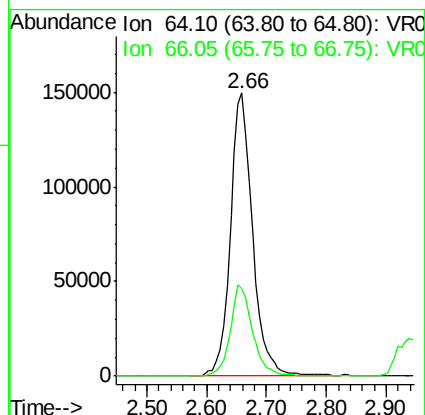
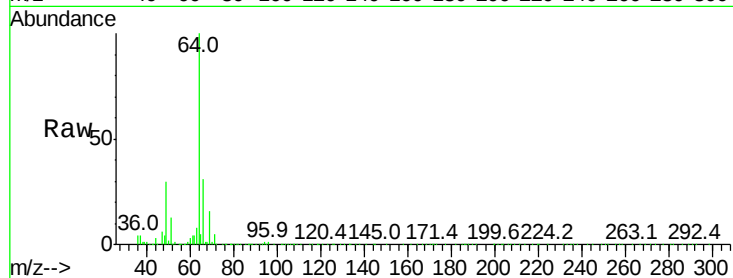




#8
Chloroethane
Concen: 9.388 ug/L
RT: 2.66 min Scan# 161
Delta R.T. 0.00 min
Lab File: VR026218.D
Acq: 9 Nov 2018 12:52

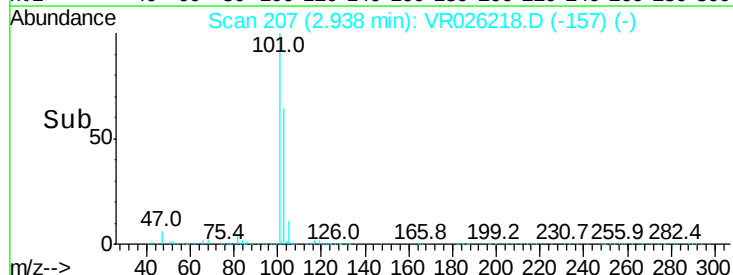
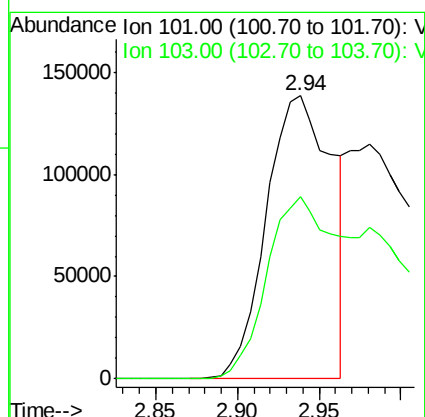
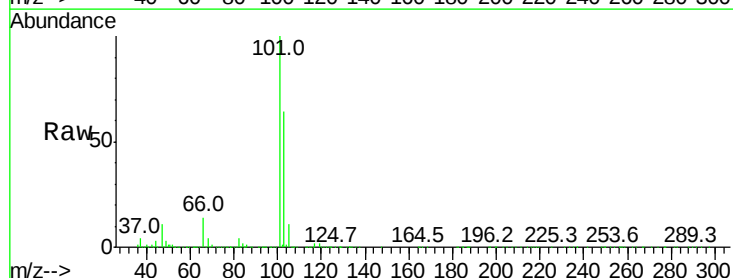
Instrument :
MSVOA_R
ClientSampleId :
VSTD01084

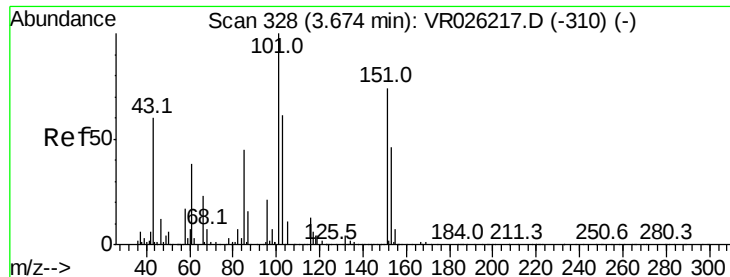
Tgt Ion: 64 Resp: 385183
Ion Ratio Lower Upper
64 100
66 31.0 21.4 39.8



#9
Trichlorofluoromethane
Concen: 4.061 ug/L
RT: 2.94 min Scan# 207
Delta R.T. 0.01 min
Lab File: VR026218.D
Acq: 9 Nov 2018 12:52

Tgt Ion: 101 Resp: 388148
Ion Ratio Lower Upper
101 100
103 77.0 25.8 38.8#





#10

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

Concen: 8.466 ug/L

RT: 3.69 min Scan# 330

Delta R.T. 0.01 min

Lab File: VR026218.D

Acq: 9 Nov 2018 12:52

Instrument :

MSVOA_R

ClientSampleId :

VSTD01084

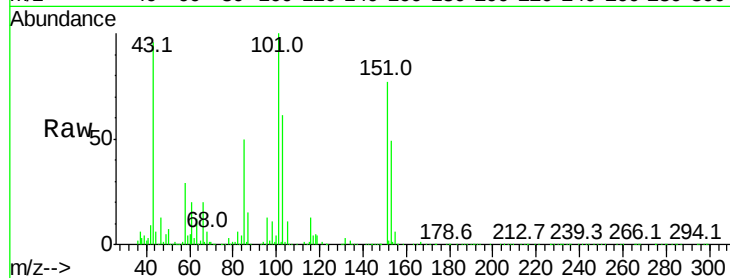
Tgt Ion:101 Resp: 482442

Ion Ratio Lower Upper

101 100

85 47.6 37.9 56.9

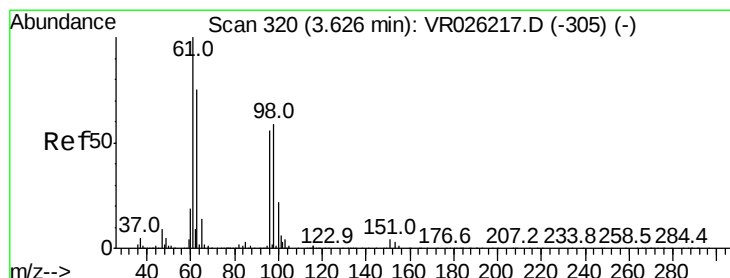
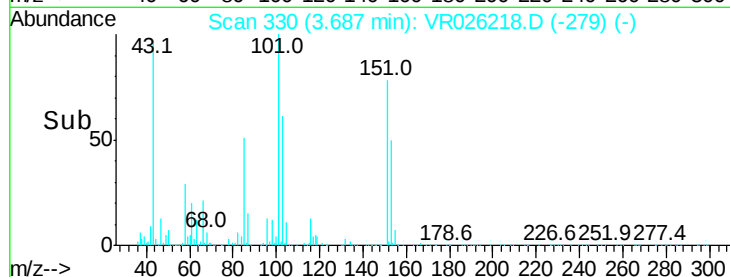
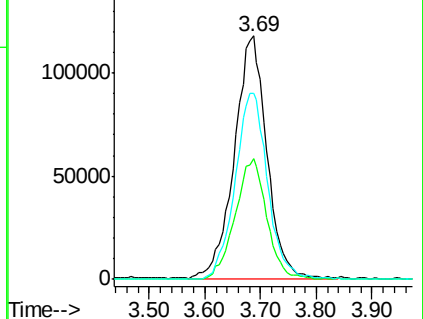
151 75.8 63.2 94.8



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: 9.105 ug/L

RT: 3.63 min Scan# 320

Delta R.T. 0.00 min

Lab File: VR026218.D

Acq: 9 Nov 2018 12:52

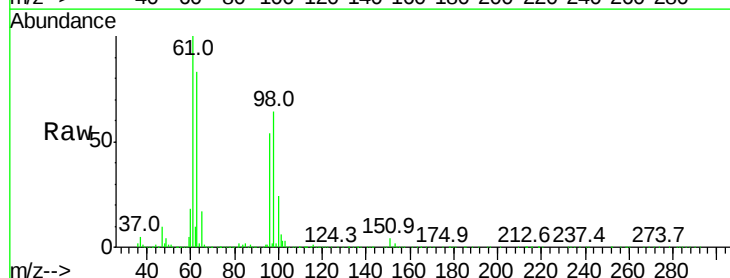
Tgt Ion: 96 Resp: 551696

Ion Ratio Lower Upper

96 100

61 184.9 125.5 233.1

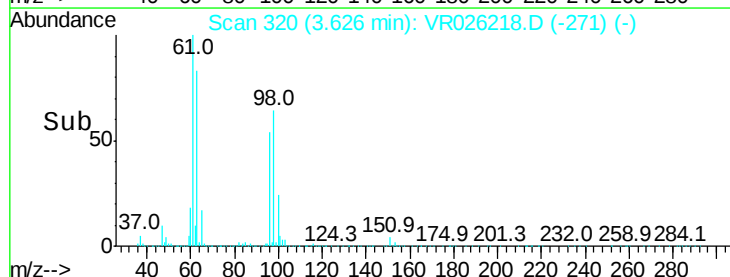
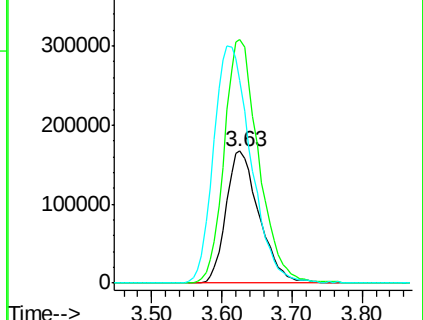
63 153.5 93.7 174.1

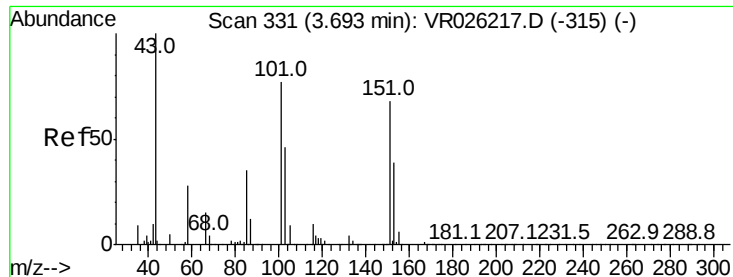


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 88.050 ug/L

RT: 3.70 min Scan# 332

Delta R.T. 0.01 min

Lab File: VR026218.D

Acq: 9 Nov 2018 12:52

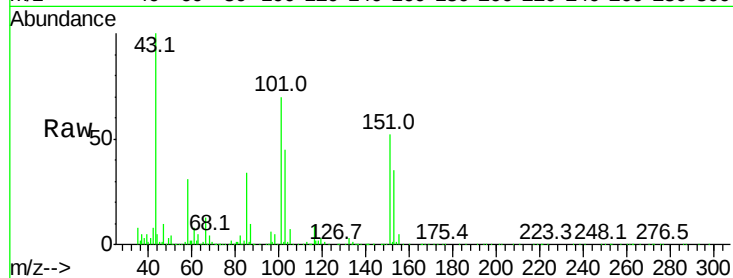
Instrument :
MSVOA_R
ClientSampleId :
VSTD01084

Tgt Ion: 43 Resp: 407525

Ion Ratio Lower Upper

43 100

58 29.7 0.0 58.6



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

150000

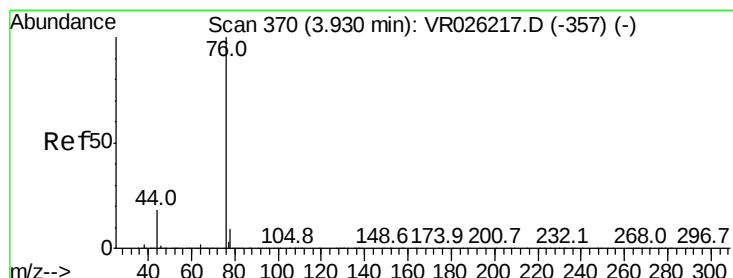
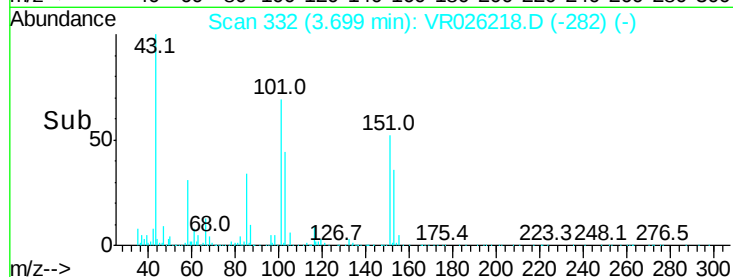
100000

50000

0

3.60 3.70 3.80

Time-->



#14

Carbon disulfide

Concen: 9.965 ug/L

RT: 3.93 min Scan# 370

Delta R.T. 0.00 min

Lab File: VR026218.D

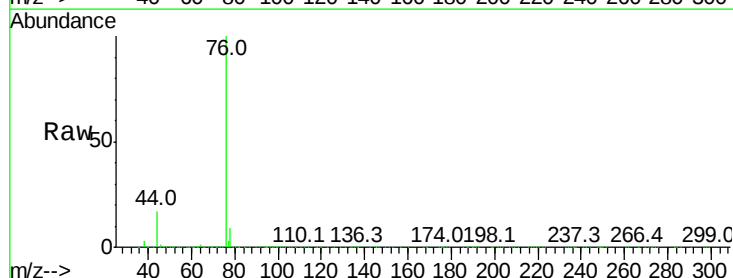
Acq: 9 Nov 2018 12:52

Tgt Ion: 76 Resp: 1578528

Ion Ratio Lower Upper

76 100

78 9.5 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0

500000

400000

300000

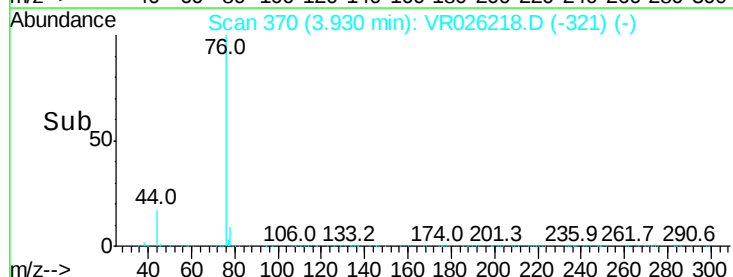
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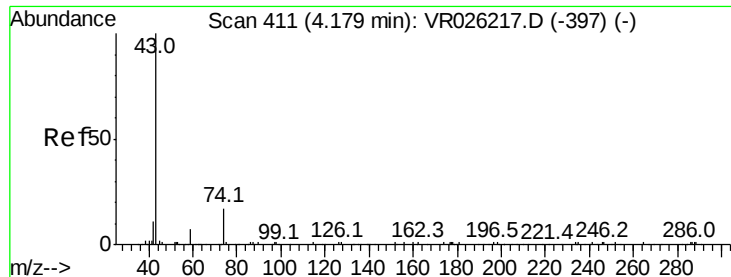
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0

3.80 3.90 4.00 4.10

Time-->

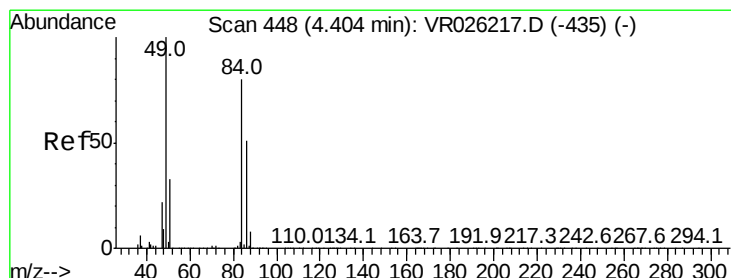
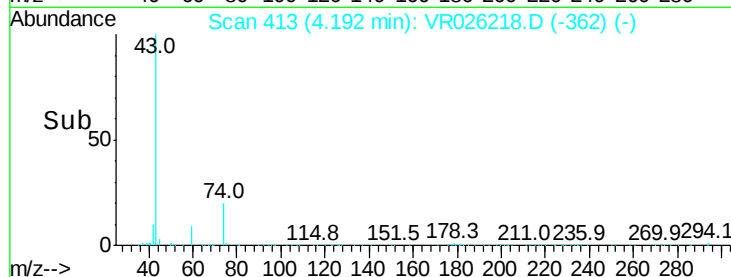
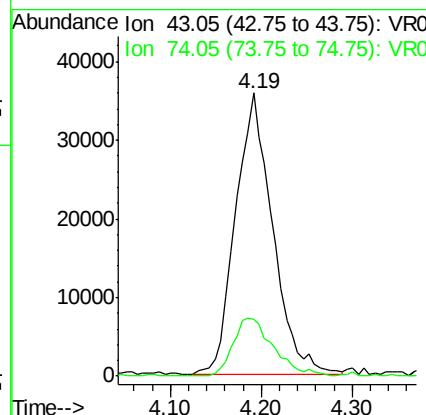
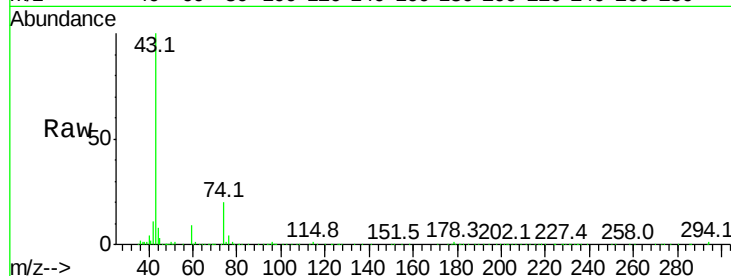




#15
Methyl Acetate
Concen: 8.383 ug/L
RT: 4.19 min Scan# 413
Delta R.T. 0.01 min
Lab File: VR026218.D
Acq: 9 Nov 2018 12:52

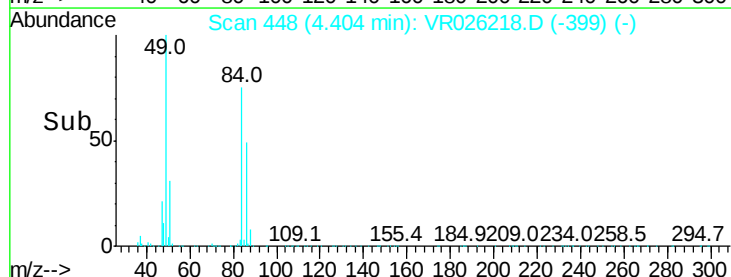
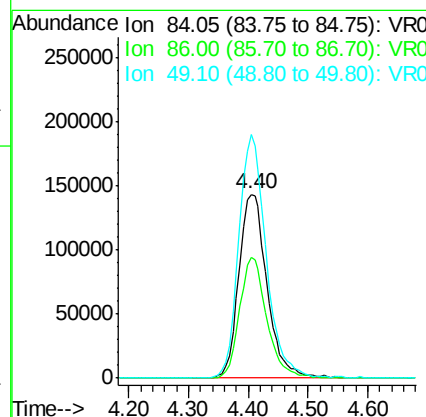
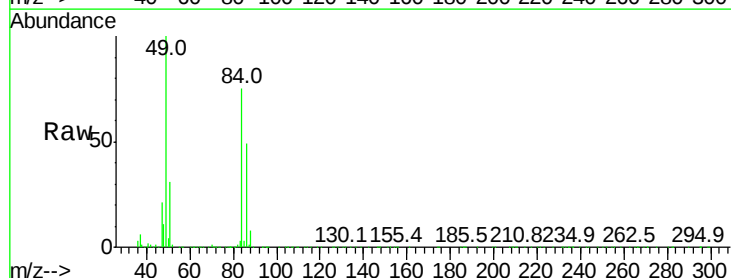
Instrument :
MSVOA_R
ClientSampleId :
VSTD01084

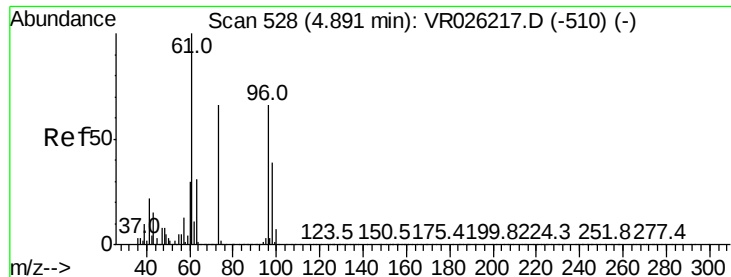
Tgt Ion: 43 Resp: 101349
Ion Ratio Lower Upper
43 100
74 22.4 17.8 26.6



#16
Methylene chloride
Concen: 8.579 ug/L
RT: 4.40 min Scan# 448
Delta R.T. 0.00 min
Lab File: VR026218.D
Acq: 9 Nov 2018 12:52

Tgt Ion: 84 Resp: 471389
Ion Ratio Lower Upper
84 100
86 65.5 45.1 83.9
49 132.5 87.9 163.3

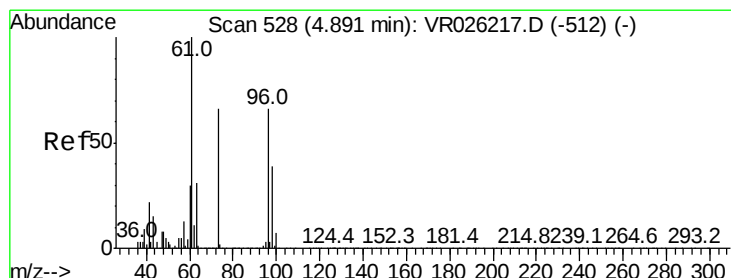
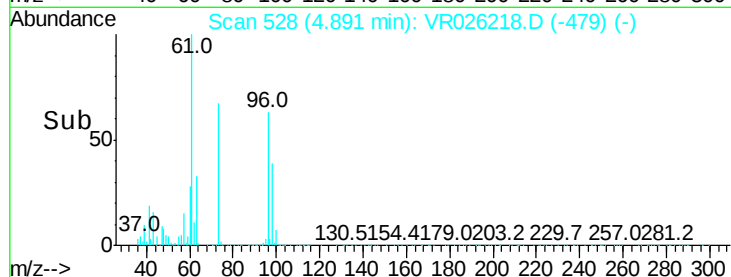
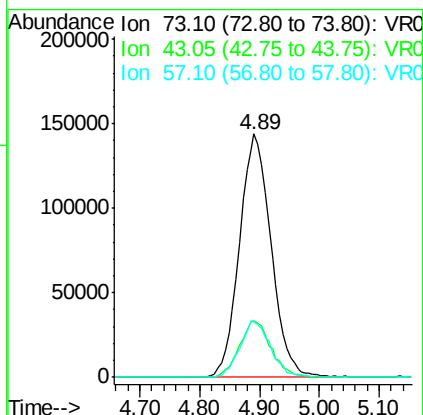
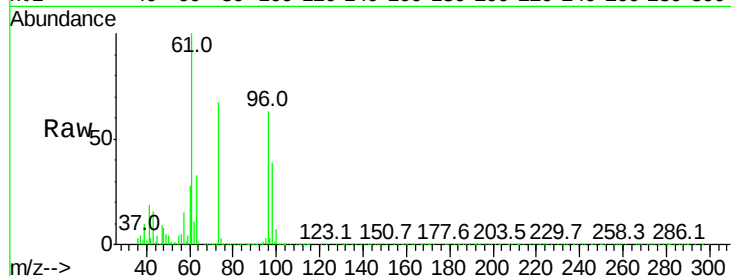




#17
Methyl tert-butyl Ether
Concen: 9.638 ug/L
RT: 4.89 min Scan# 528
Delta R.T. 0.00 min
Lab File: VR026218.D
Acq: 9 Nov 2018 12:52

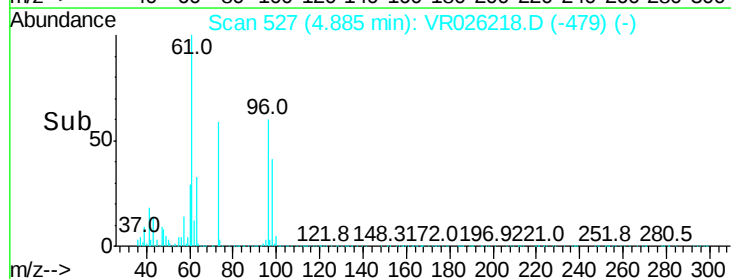
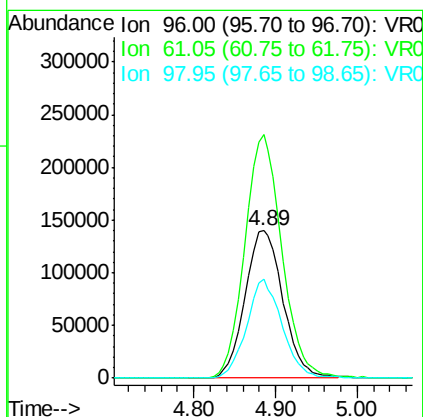
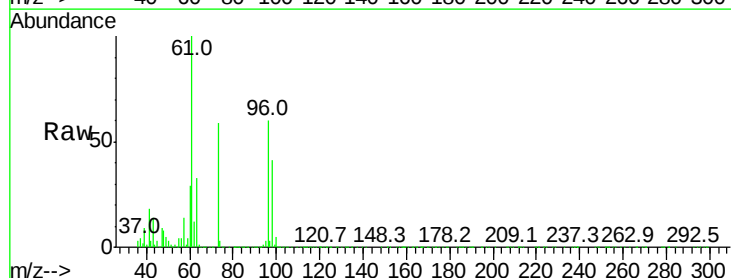
Instrument :
MSVOA_R
ClientSampleId :
VSTD01084

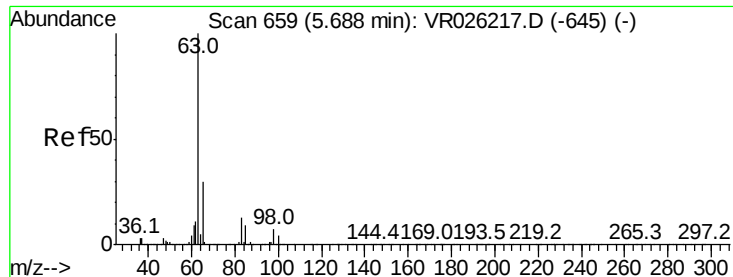
Tgt Ion	Ratio	Lower	Upper
73	100		
43	23.3	19.1	28.7
57	22.6	18.9	28.3



#18
trans-1,2-Dichloroethene
Concen: 9.858 ug/L
RT: 4.89 min Scan# 527
Delta R.T. -0.01 min
Lab File: VR026218.D
Acq: 9 Nov 2018 12:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.4	105.6	196.2
98	67.3	41.5	77.1

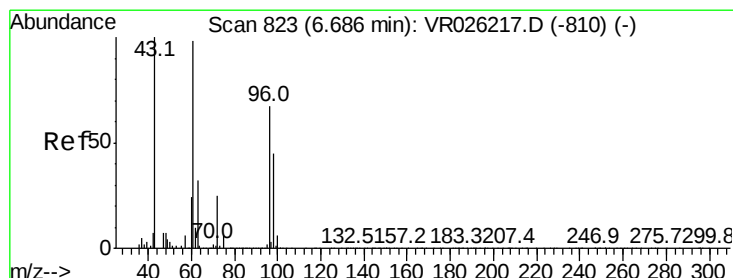
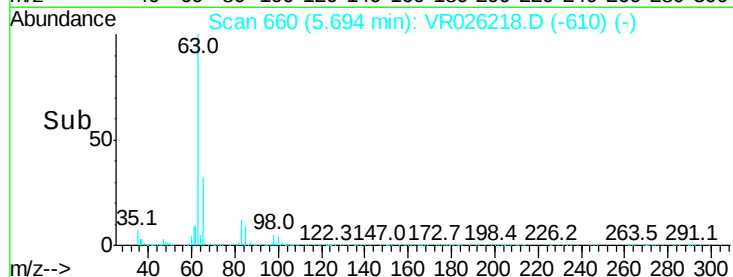
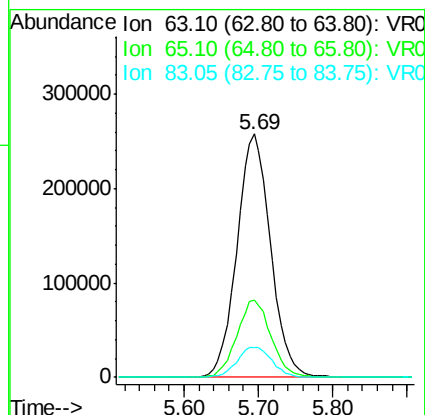
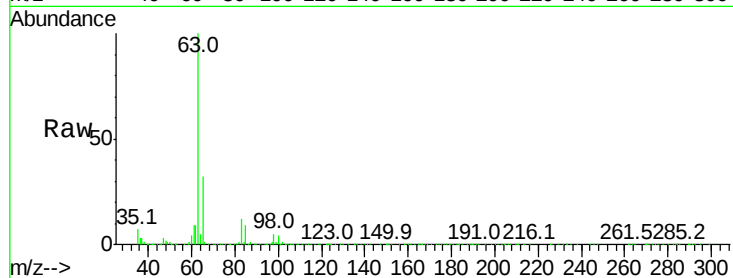




#19
 1,1-Dichloroethane
 Concen: 9.452 ug/L
 RT: 5.69 min Scan# 660
 Delta R.T. 0.01 min
 Lab File: VR026218.D
 Acq: 9 Nov 2018 12:52

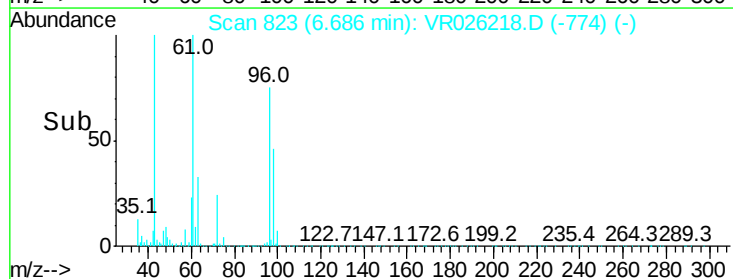
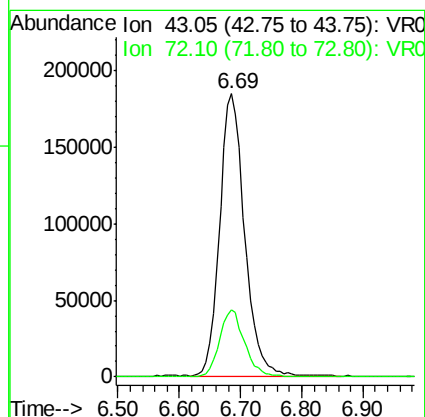
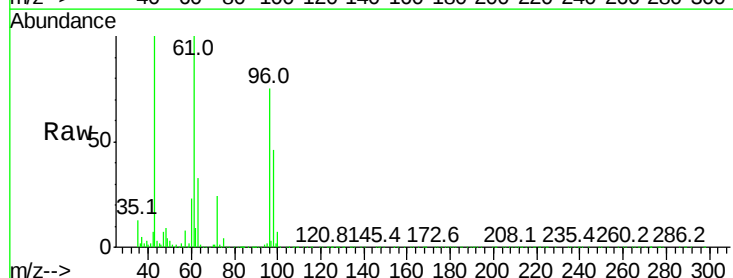
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01084

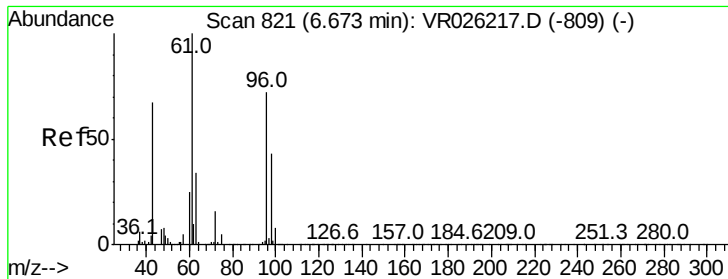
Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.9	20.9	38.7
83	12.5	9.1	16.9



#21
 2-Butanone
 Concen: 97.923 ug/L
 RT: 6.69 min Scan# 823
 Delta R.T. 0.00 min
 Lab File: VR026218.D
 Acq: 9 Nov 2018 12:52

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.0	11.9	35.9



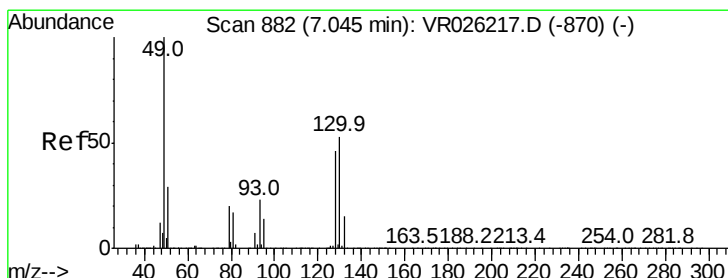
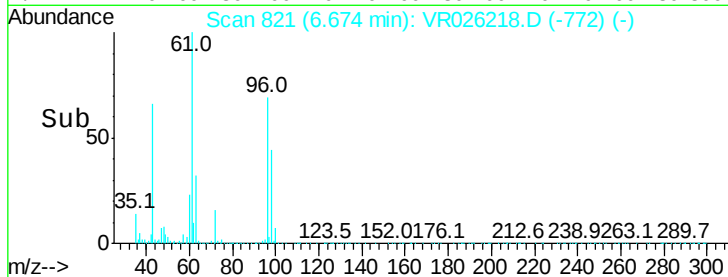
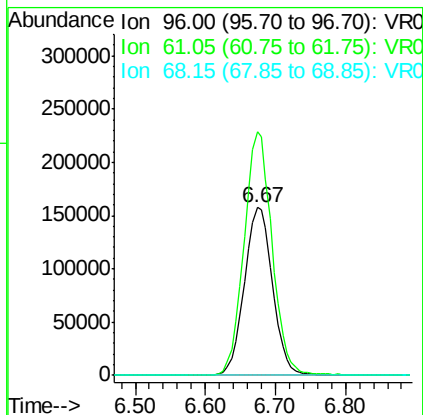
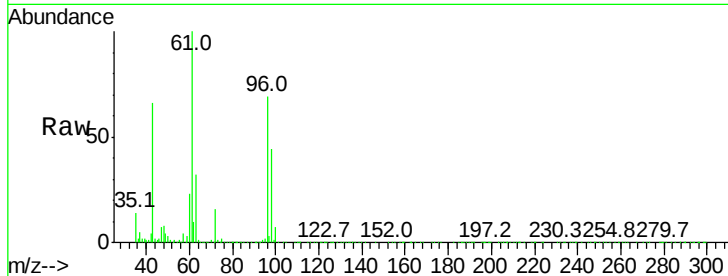


#22

cis-1,2-Dichloroethene
 Concen: 10.169 ug/L
 RT: 6.67 min Scan# 821
 Delta R.T. 0.00 min
 Lab File: VR026218.D
 Acq: 9 Nov 2018 12:52

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01084

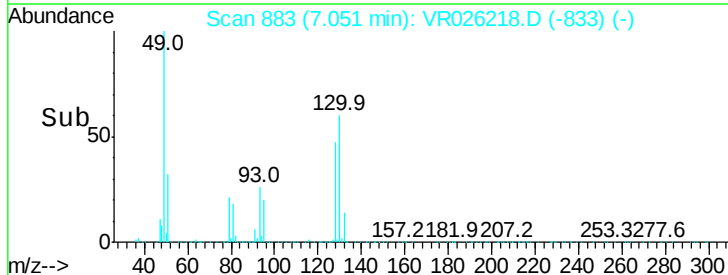
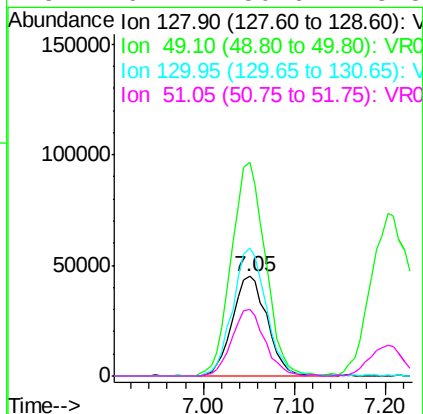
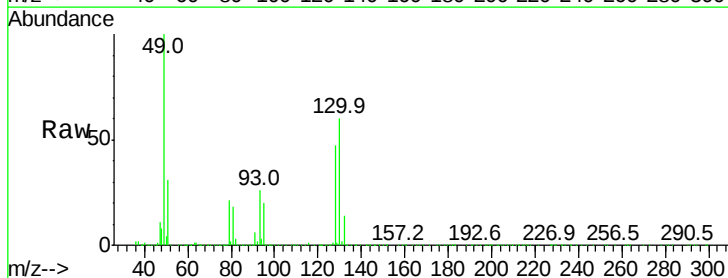
Tgt Ion: 96 Resp: 440790
 Ion Ratio Lower Upper
 96 100
 61 145.1 97.4 180.8
 68 0.2 0.1 0.3

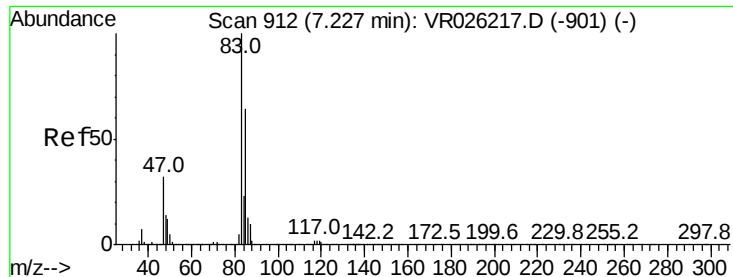


#23

Bromochloromethane
 Concen: 9.896 ug/L
 RT: 7.05 min Scan# 883
 Delta R.T. 0.01 min
 Lab File: VR026218.D
 Acq: 9 Nov 2018 12:52

Tgt Ion: 128 Resp: 120330
 Ion Ratio Lower Upper
 128 100
 49 214.3 151.1 280.5
 130 128.5 80.5 149.5
 51 67.4 50.6 75.8





#25

Chloroform

Concen: 9.534 ug/L

RT: 7.23 min Scan# 912

Delta R.T. 0.00 min

Lab File: VR026218.D

Acq: 9 Nov 2018 12:52

Instrument :

MSVOA_R

ClientSampleId :

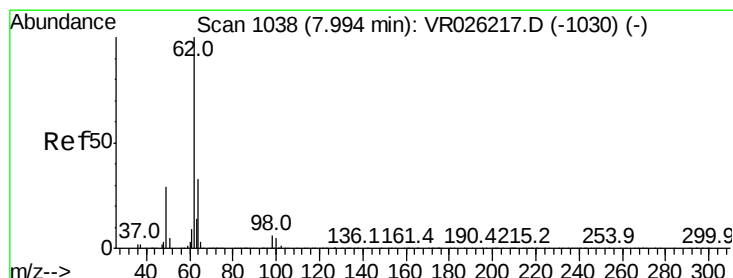
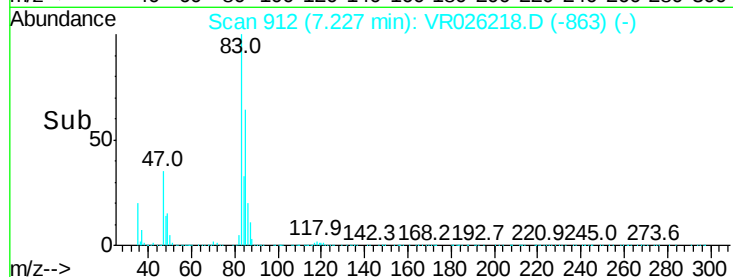
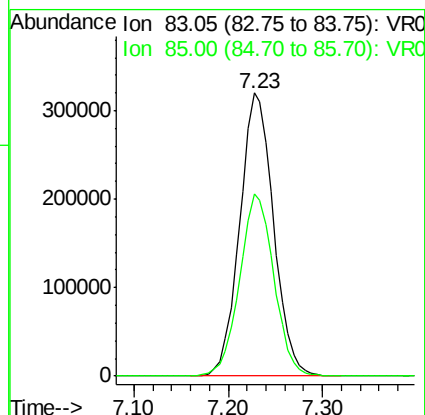
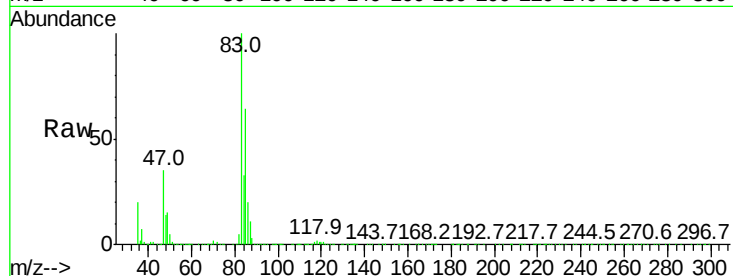
VSTD01084

Tgt Ion: 83 Resp: 800546

Ion Ratio Lower Upper

83 100

85 64.3 44.8 83.2



#27

1,2-Dichloroethane

Concen: 9.246 ug/L

RT: 7.99 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VR026218.D

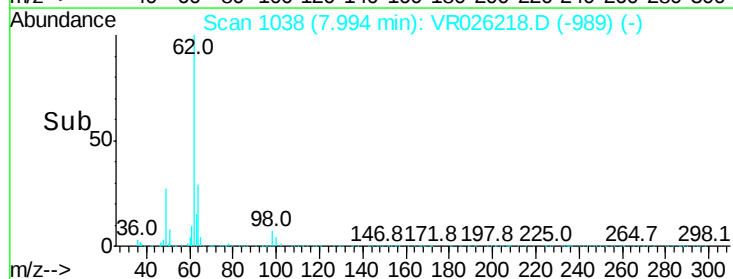
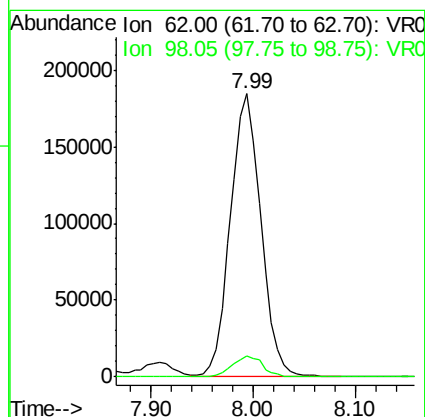
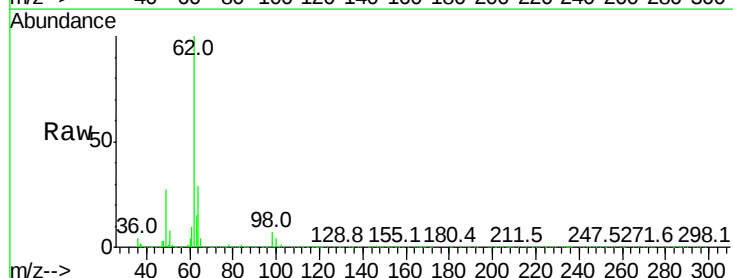
Acq: 9 Nov 2018 12:52

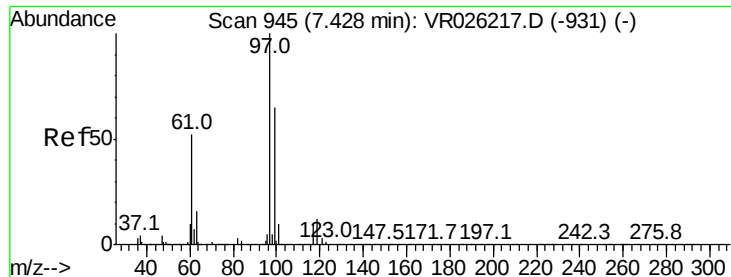
Tgt Ion: 62 Resp: 380014

Ion Ratio Lower Upper

62 100

98 7.3 5.0 7.6

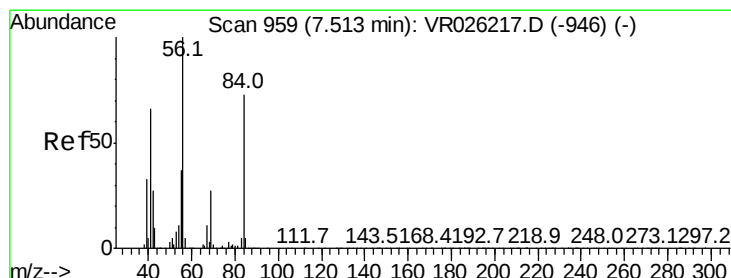
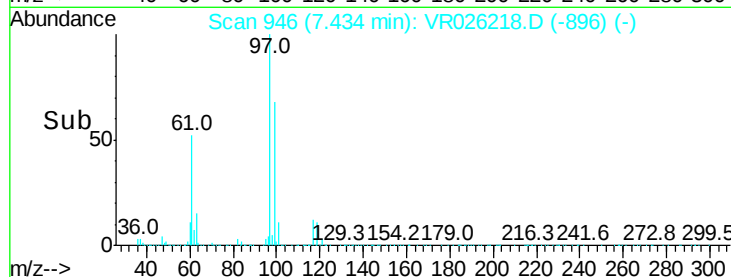
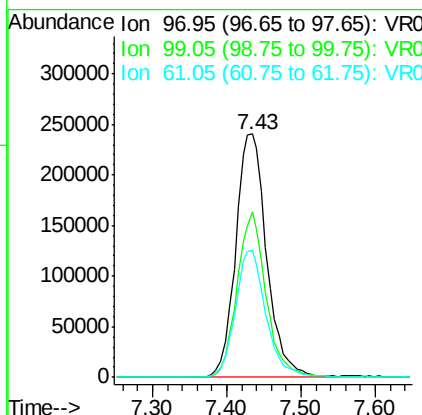
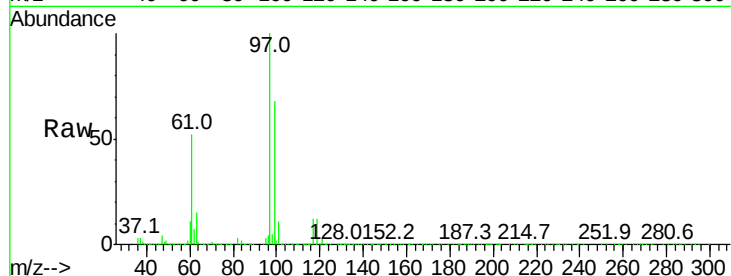




#29
1,1,1-Trichloroethane
Concen: 9.340 ug/L
RT: 7.43 min Scan# 946
Delta R.T. 0.01 min
Lab File: VR026218.D
Acq: 9 Nov 2018 12:52

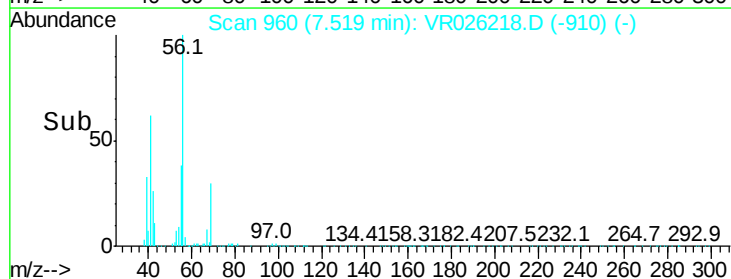
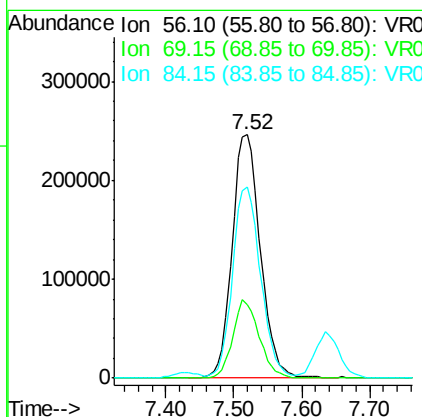
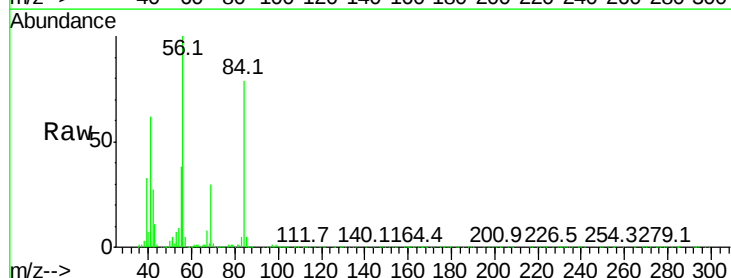
Instrument :
MSVOA_R
ClientSampleId :
VSTD01084

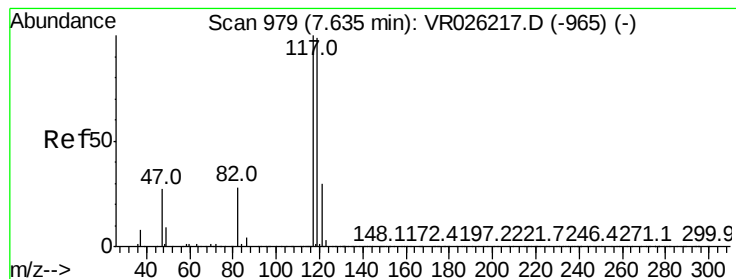
Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	52.2	78.2
61	51.9	41.6	62.4



#30
Cyclohexane
Concen: 9.429 ug/L
RT: 7.52 min Scan# 960
Delta R.T. 0.01 min
Lab File: VR026218.D
Acq: 9 Nov 2018 12:52

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.9	23.0	34.6
84	77.9	60.8	91.2





#31

Carbon tetrachloride

Concen: 9.149 ug/L

RT: 7.63 min Scan# 979

Delta R.T. 0.00 min

Lab File: VR026218.D

Acq: 9 Nov 2018 12:52

Instrument :

MSVOA_R

ClientSampleId :

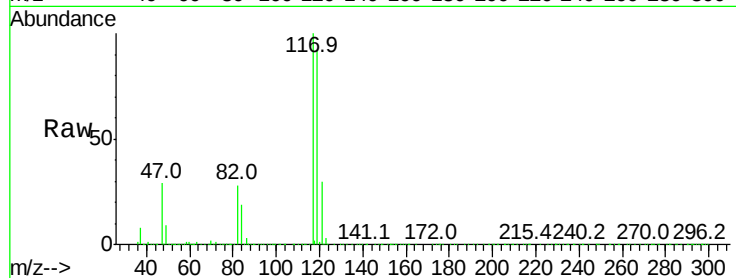
VSTD01084

Tgt Ion:117 Resp: 622888

Ion Ratio Lower Upper

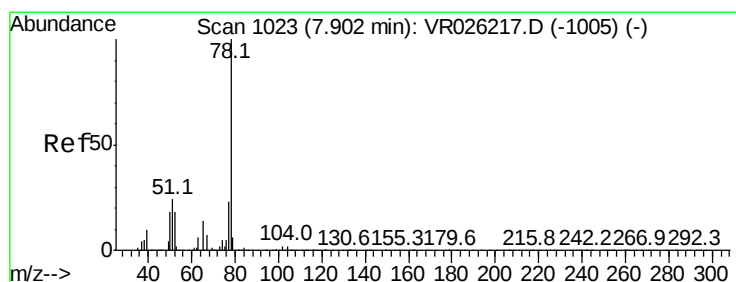
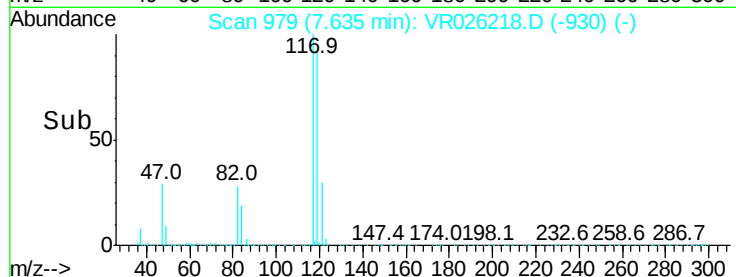
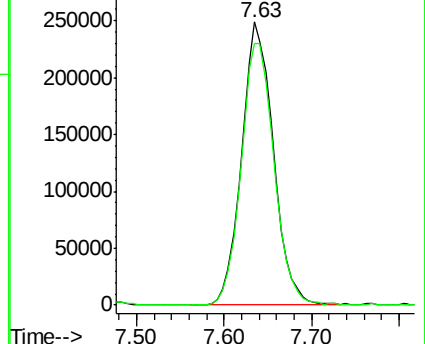
117 100

119 96.5 76.7 115.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 9.591 ug/L

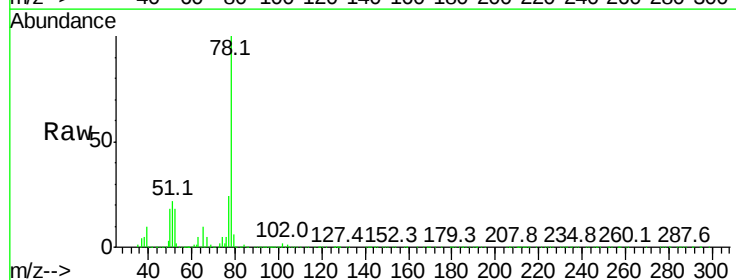
RT: 7.91 min Scan# 1024

Delta R.T. 0.01 min

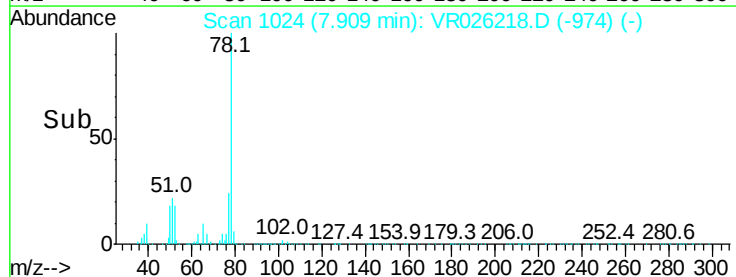
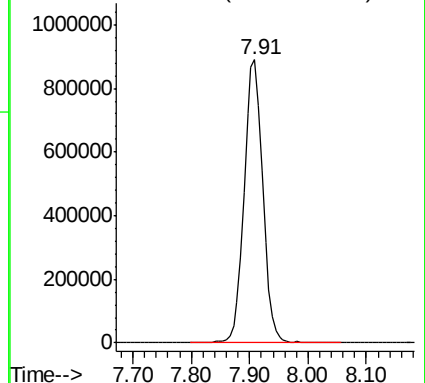
Lab File: VR026218.D

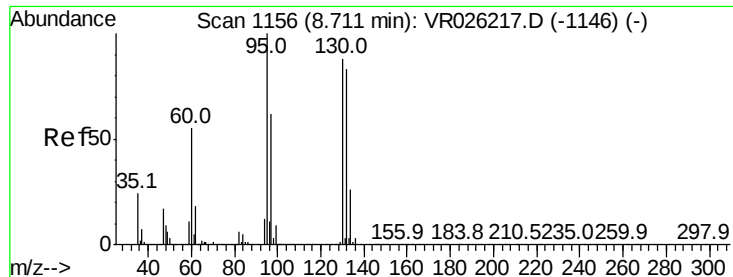
Acq: 9 Nov 2018 12:52

Tgt Ion: 78 Resp: 1971994



Abundance Ion 78.10 (77.80 to 78.80): VR0





#34

Trichloroethene

Concen: 9.359 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VR026218.D

Acq: 9 Nov 2018 12:52

Instrument :

MSVOA_R

ClientSampleId :

VSTD01084

Tgt Ion: 95 Resp: 492549

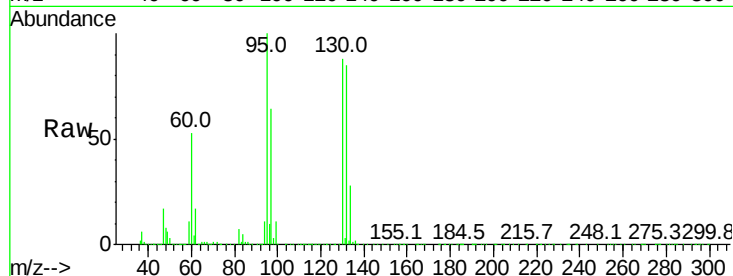
Ion Ratio Lower Upper

95 100

97 63.5 43.5 80.7

132 85.0 58.0 107.6

130 88.1 61.5 114.3

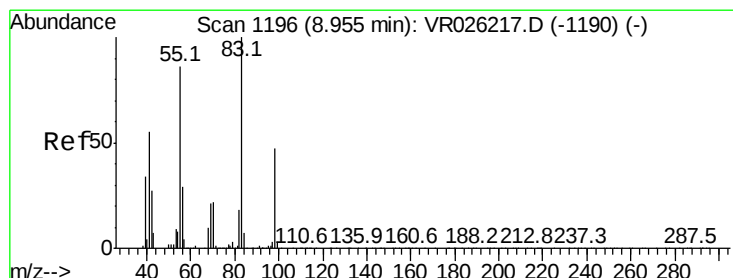
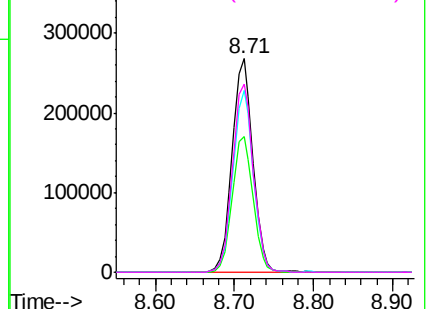
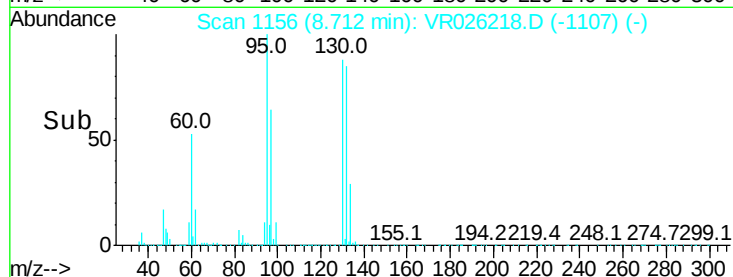


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 9.240 ug/L

RT: 8.95 min Scan# 1196

Delta R.T. 0.00 min

Lab File: VR026218.D

Acq: 9 Nov 2018 12:52

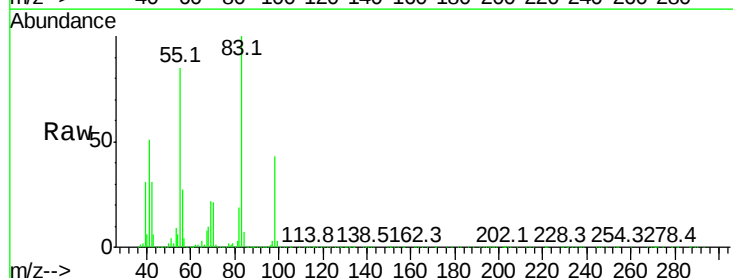
Tgt Ion: 83 Resp: 723944

Ion Ratio Lower Upper

83 100

55 83.8 67.9 101.9

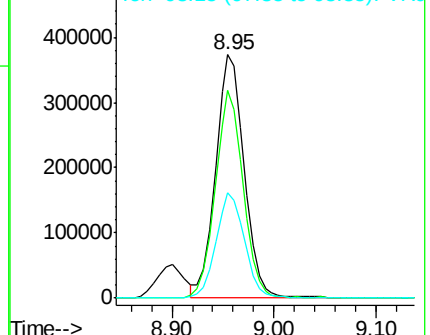
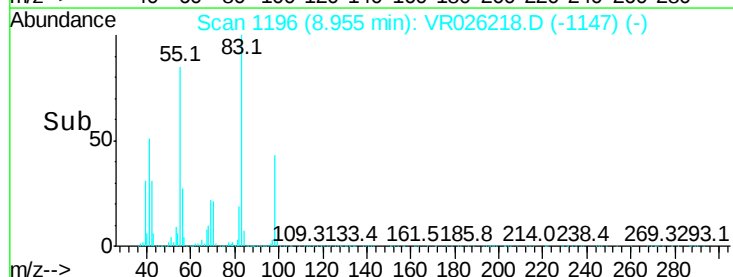
98 43.6 35.8 53.6

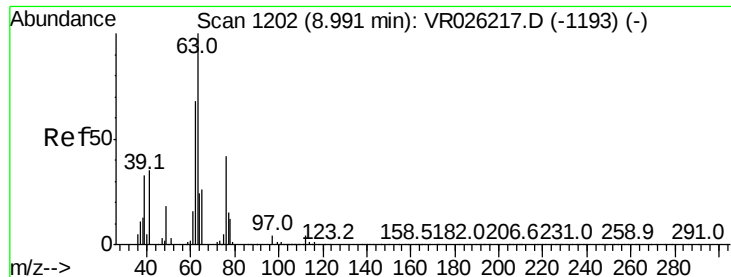


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 9.142 ug/L

RT: 8.99 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VR026218.D

Acq: 9 Nov 2018 12:52

Instrument :

MSVOA_R

ClientSampleId :

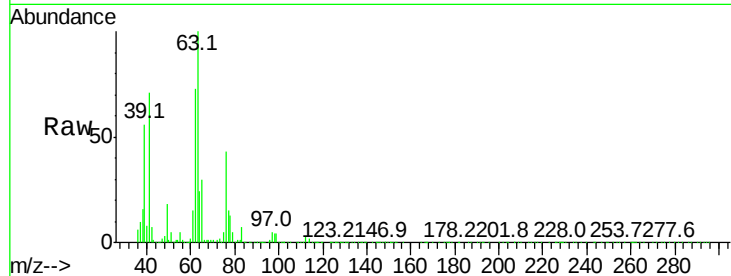
VSTD01084

Tgt Ion: 63 Resp: 396588

Ion Ratio Lower Upper

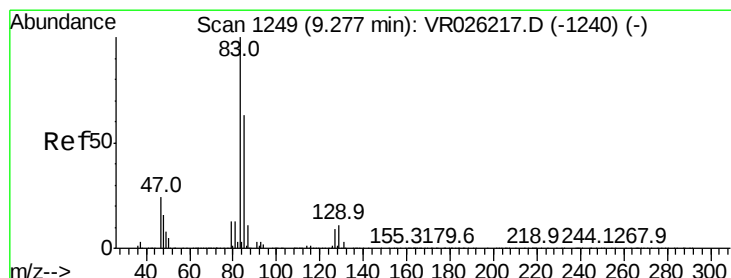
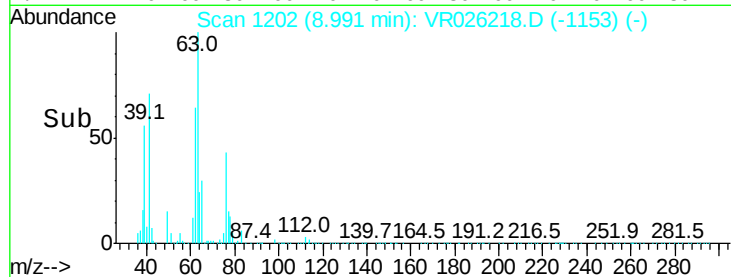
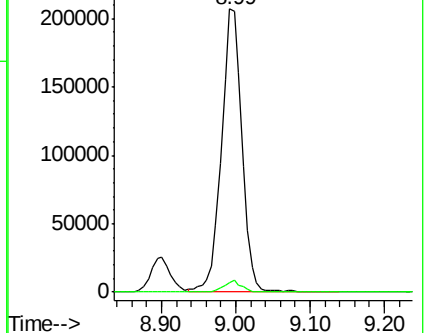
63 100

112 3.4 2.8 4.2



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 112.10 (111.80 to 112.80): V



#38

Bromodichloromethane

Concen: 9.888 ug/L

RT: 9.28 min Scan# 1250

Delta R.T. 0.01 min

Lab File: VR026218.D

Acq: 9 Nov 2018 12:52

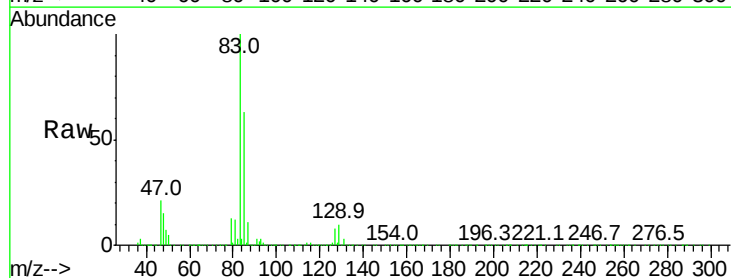
Tgt Ion: 83 Resp: 461272

Ion Ratio Lower Upper

83 100

85 62.5 44.4 82.4

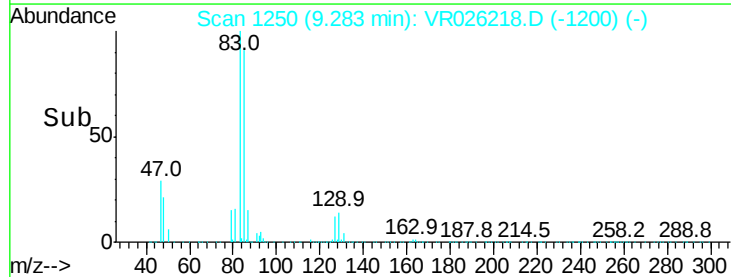
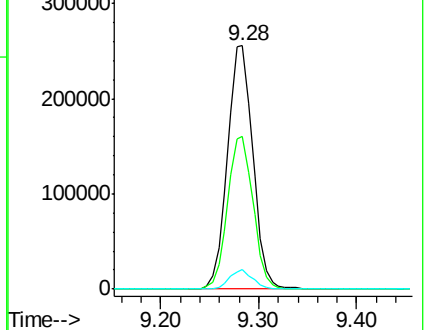
127 8.1 6.9 10.3

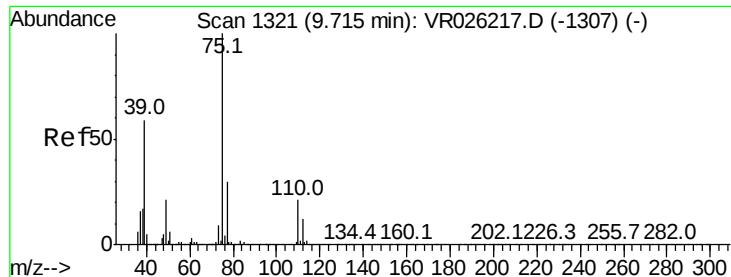


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 126.90 (126.60 to 127.60): V

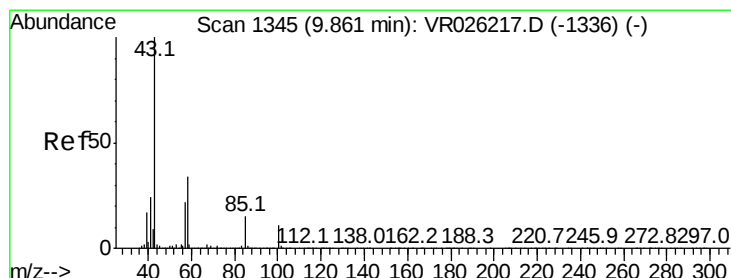
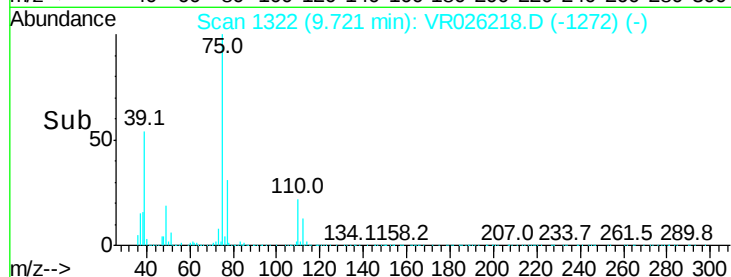
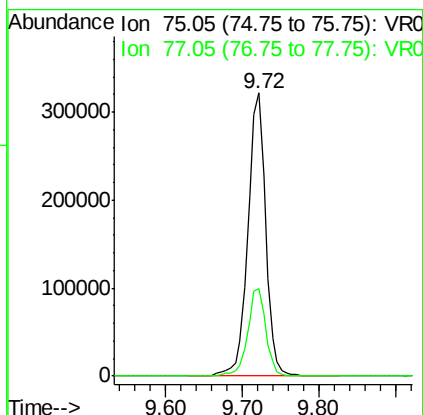
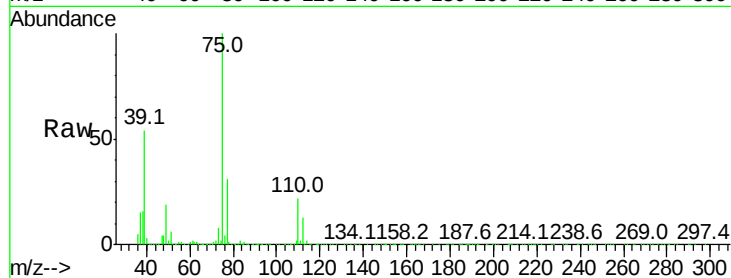




#39
 cis-1,3-Dichloropropene
 Concen: 10.471 ug/L
 RT: 9.72 min Scan# 1322
 Delta R.T. 0.01 min
 Lab File: VR026218.D
 Acq: 9 Nov 2018 12:52

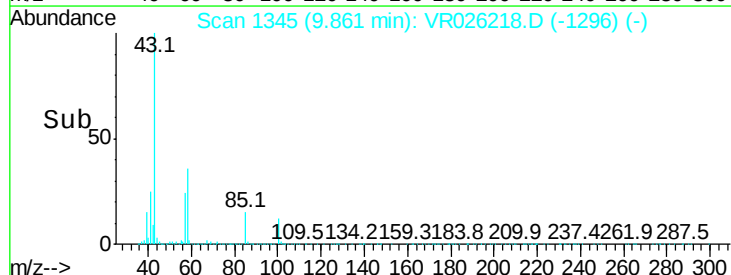
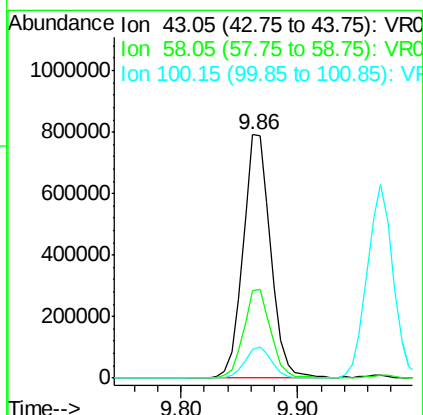
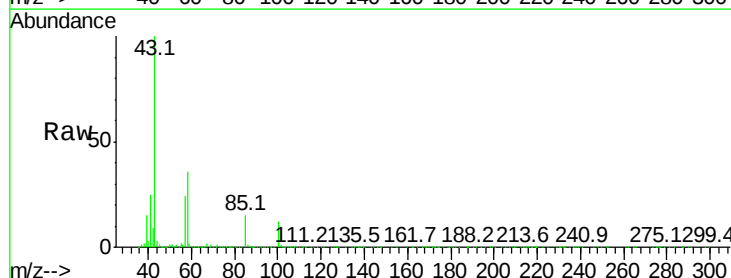
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01084

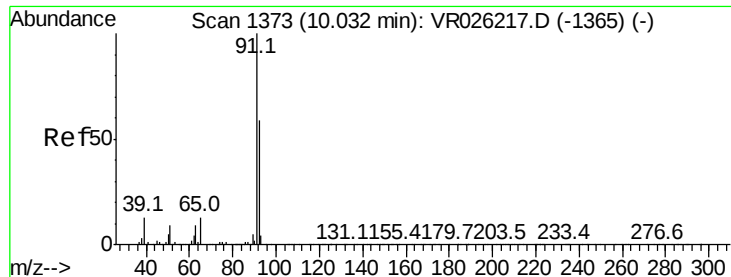
Tgt Ion: 75 Resp: 519875
 Ion Ratio Lower Upper
 75 100
 77 30.9 20.7 38.5



#40
 4-Methyl-2-pentanone
 Concen: 98.310 ug/L
 RT: 9.86 min Scan# 1345
 Delta R.T. 0.00 min
 Lab File: VR026218.D
 Acq: 9 Nov 2018 12:52

Tgt Ion: 43 Resp: 1302399
 Ion Ratio Lower Upper
 43 100
 58 36.0 27.8 41.6
 100 12.5 9.4 14.2





#42

Toluene

Concen: 9.841 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. 0.01 min

Lab File: VR026218.D

Acq: 9 Nov 2018 12:52

Instrument :

MSVOA_R

ClientSampleId :

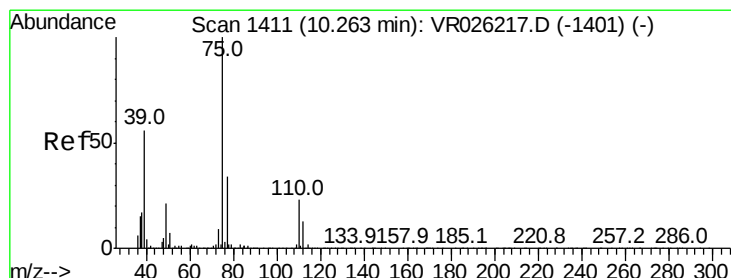
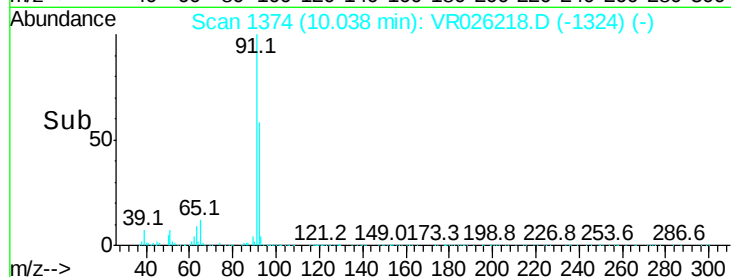
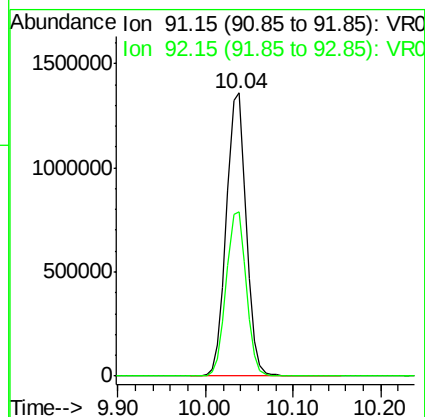
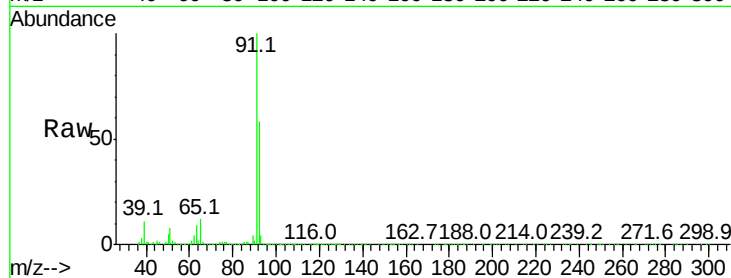
VSTD01084

Tgt Ion: 91 Resp: 2135654

Ion Ratio Lower Upper

91 100

92 58.3 41.4 76.8



#44

trans-1,3-Dichloropropene

Concen: 10.169 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR026218.D

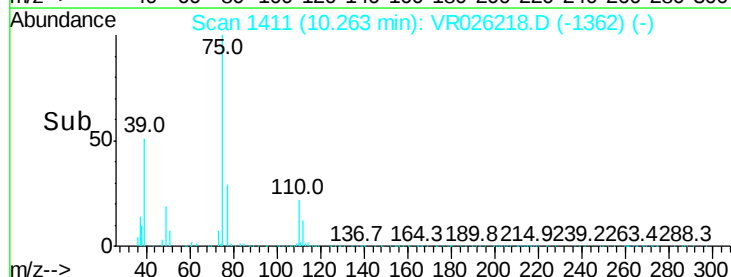
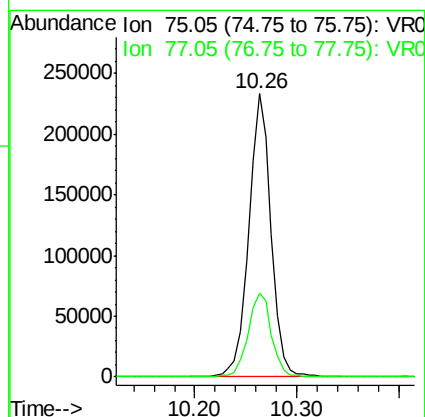
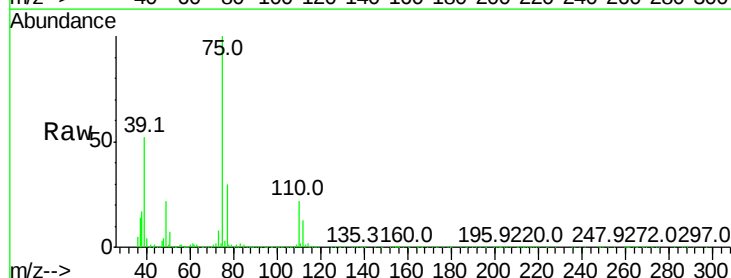
Acq: 9 Nov 2018 12:52

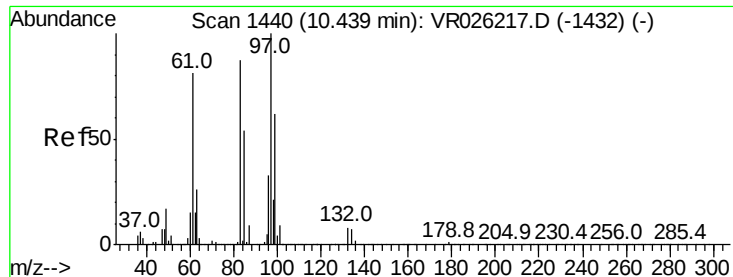
Tgt Ion: 75 Resp: 352744

Ion Ratio Lower Upper

75 100

77 29.7 23.7 44.1

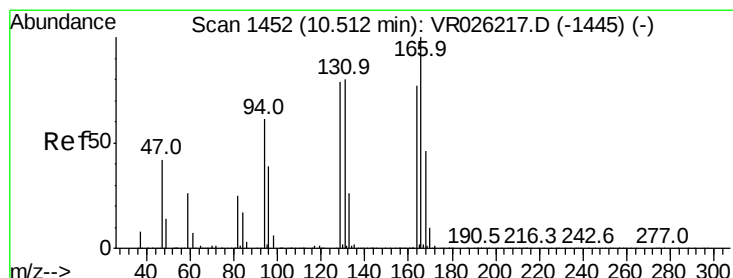
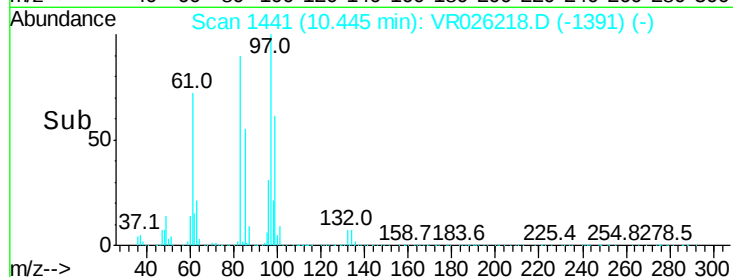
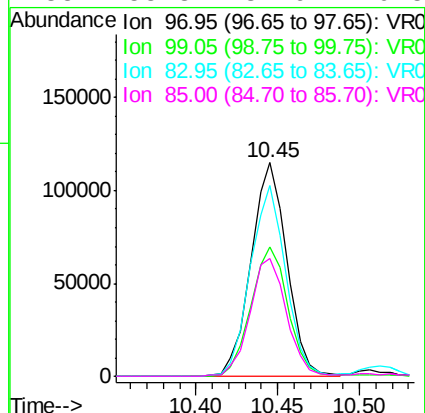
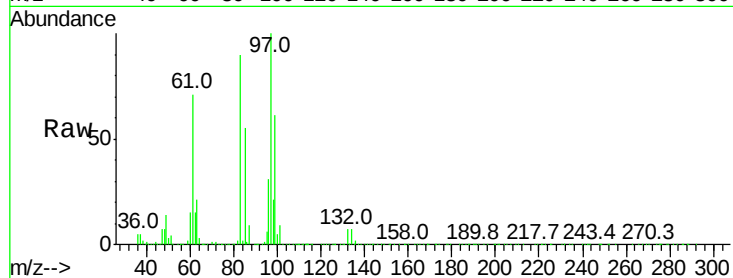




#45
1,1,2-Trichloroethane
Concen: 9.568 ug/L
RT: 10.45 min Scan# 1441
Delta R.T. 0.01 min
Lab File: VR026218.D
Acq: 9 Nov 2018 12:52

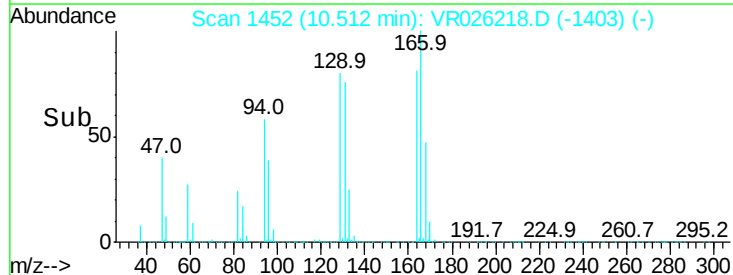
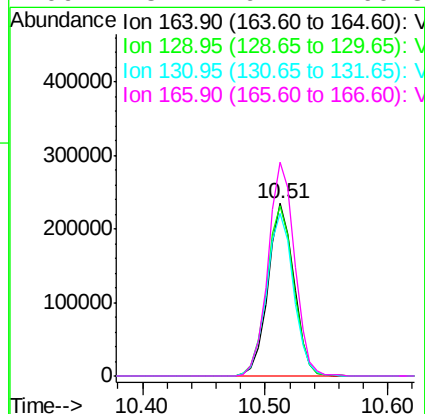
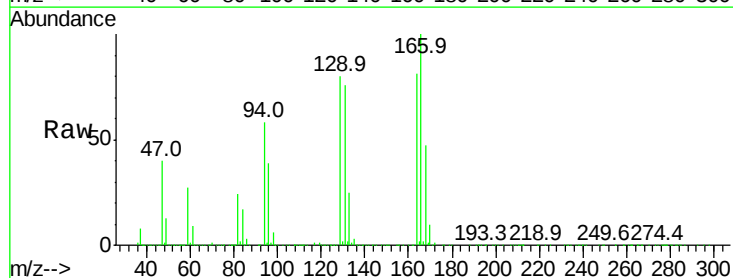
Instrument :
MSVOA_R
ClientSampleId :
VSTD01084

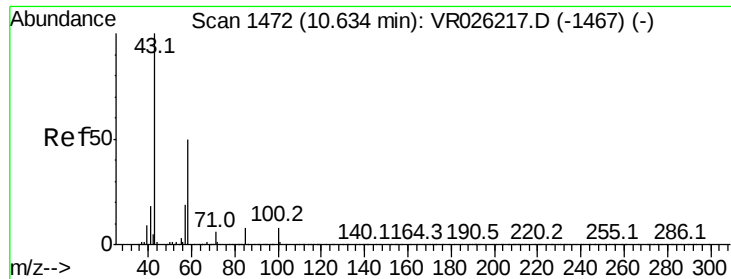
Tgt Ion:	97	Resp:	175066
Ion	Ratio	Lower	Upper
97	100		
99	60.8	43.0	80.0
83	89.6	61.0	113.2
85	55.3	37.9	70.5



#47
Tetrachloroethene
Concen: 9.168 ug/L
RT: 10.51 min Scan# 1452
Delta R.T. 0.00 min
Lab File: VR026218.D
Acq: 9 Nov 2018 12:52

Tgt Ion:	164	Resp:	344545
Ion	Ratio	Lower	Upper
164	100		
129	98.8	72.3	134.3
131	94.4	73.4	136.2
166	123.7	91.4	169.8

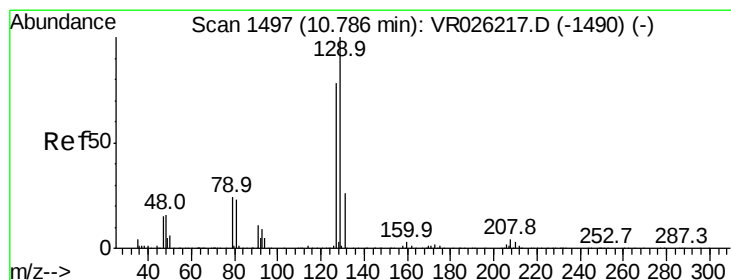
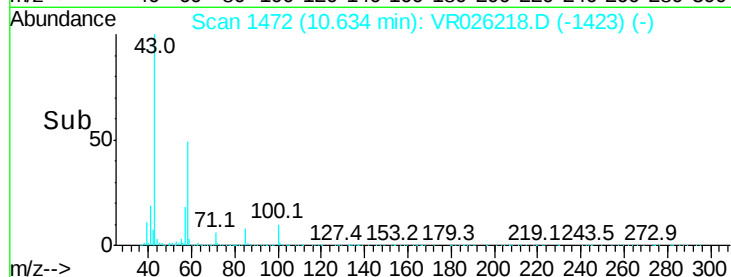
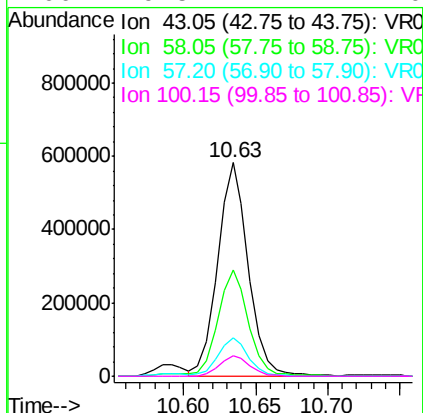
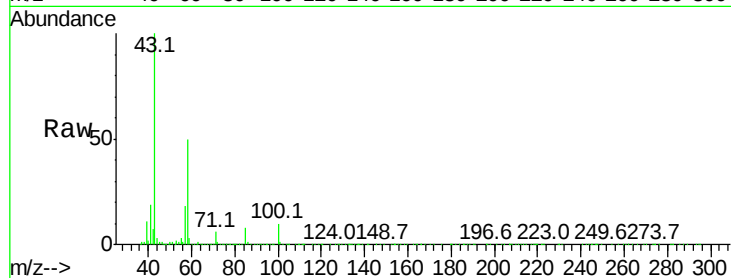




#48
2-Hexanone
Concen: 99.273 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR026218.D
Acq: 9 Nov 2018 12:52

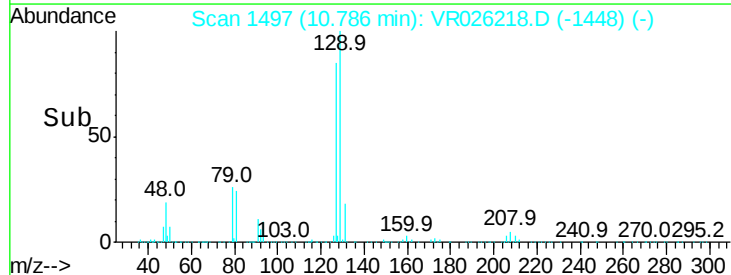
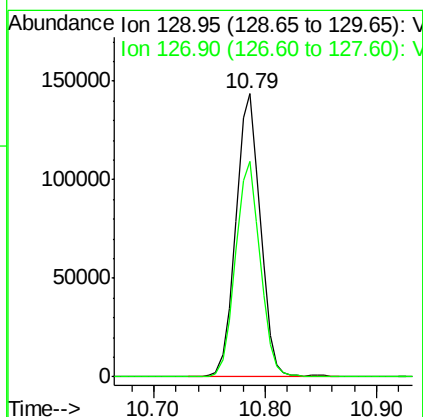
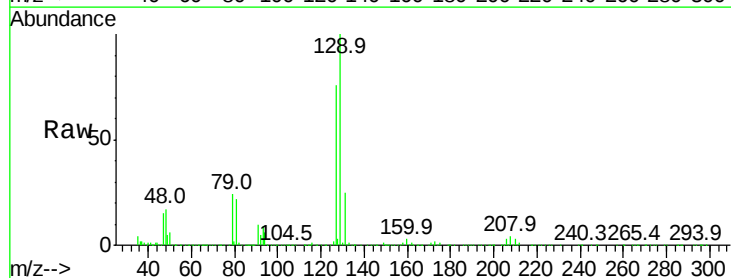
Instrument :
MSVOA_R
ClientSampleId :
VSTD01084

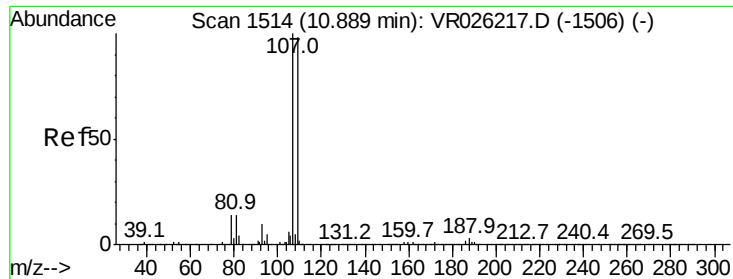
Tgt Ion:	43	Resp:	858970
Ion	Ratio	Lower	Upper
43	100		
58	51.3	40.0	60.0
57	17.9	14.6	21.8
100	9.5	7.4	11.0



#49
Dibromochloromethane
Concen: 10.628 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.00 min
Lab File: VR026218.D
Acq: 9 Nov 2018 12:52

Tgt Ion:	129	Resp:	218840
Ion	Ratio	Lower	Upper
129	100		
127	76.2	54.7	101.7

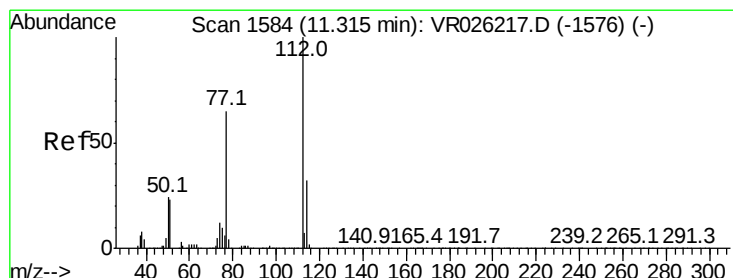
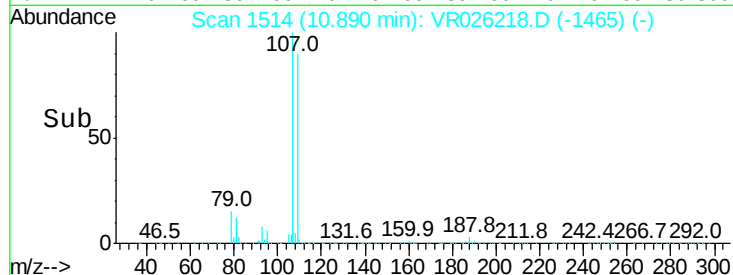
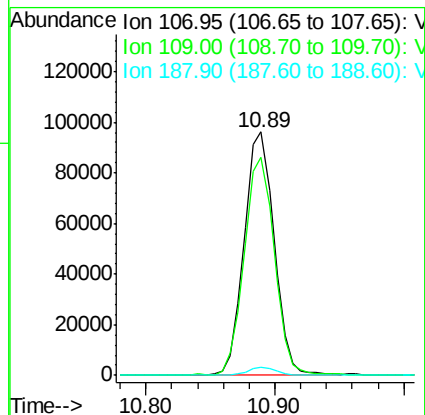
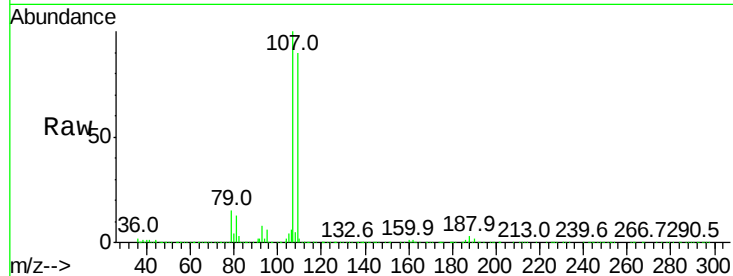




#50
1,2-Dibromoethane
Concen: 9.770 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VR026218.D
Acq: 9 Nov 2018 12:52

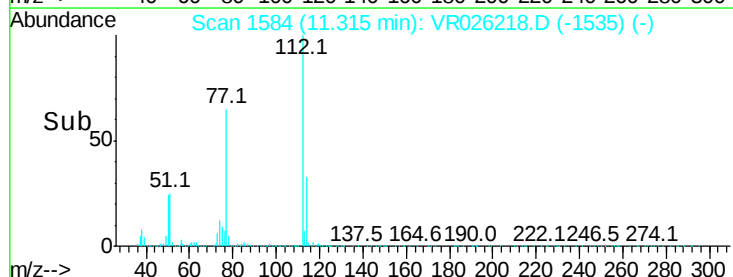
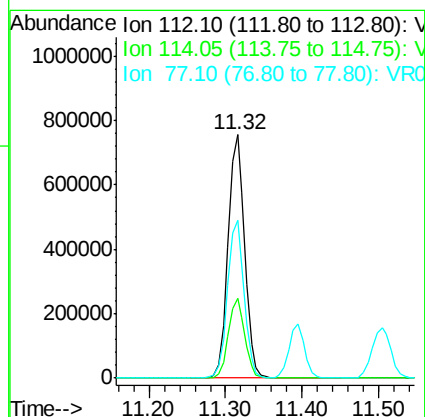
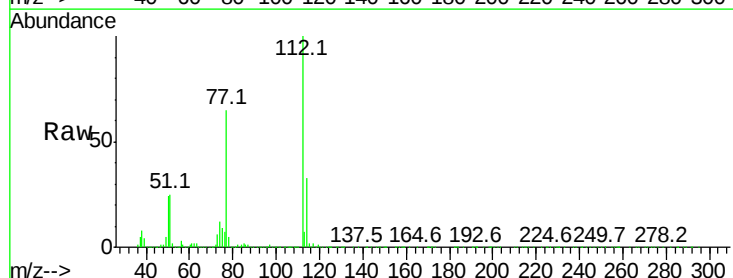
Instrument :
MSVOA_R
ClientSampleId :
VSTD01084

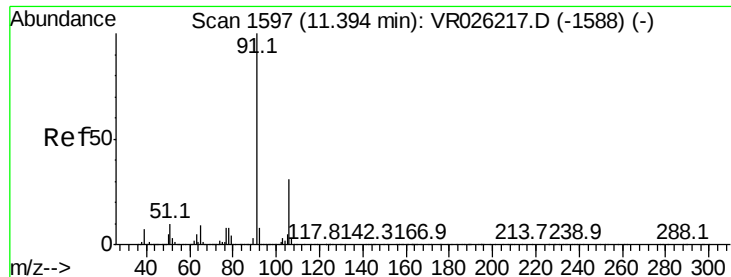
Tgt Ion:107 Resp: 154447
Ion Ratio Lower Upper
107 100
109 89.7 68.7 127.5
188 3.3 2.1 3.1#



#51
Chlorobenzene
Concen: 9.395 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VR026218.D
Acq: 9 Nov 2018 12:52

Tgt Ion:112 Resp: 1128693
Ion Ratio Lower Upper
112 100
114 32.6 22.7 42.3
77 64.7 51.8 77.8





#52

Ethylbenzene

Concen: 9.940 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR026218.D

Acq: 9 Nov 2018 12:52

Instrument :

MSVOA_R

ClientSampleId :

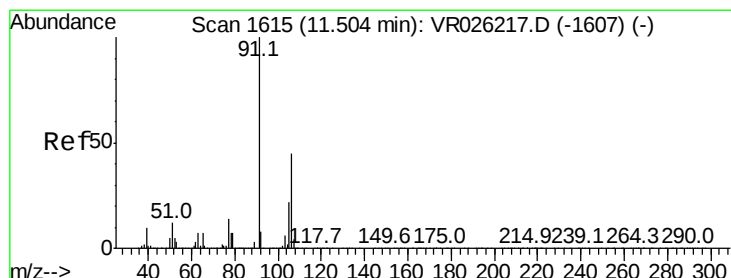
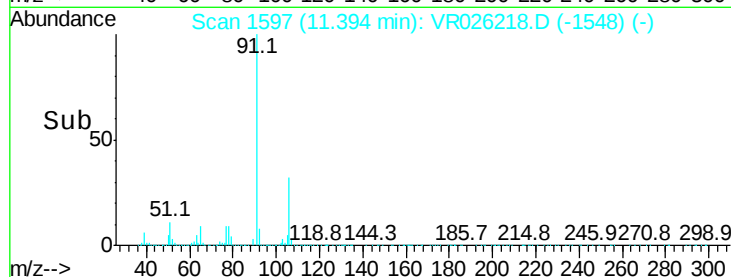
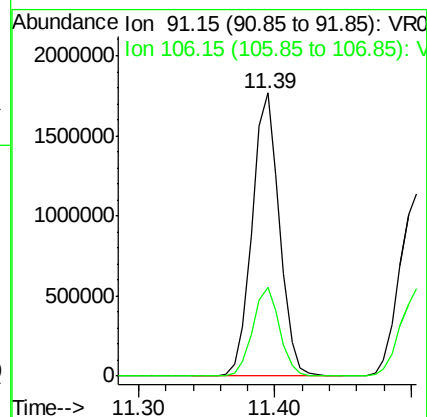
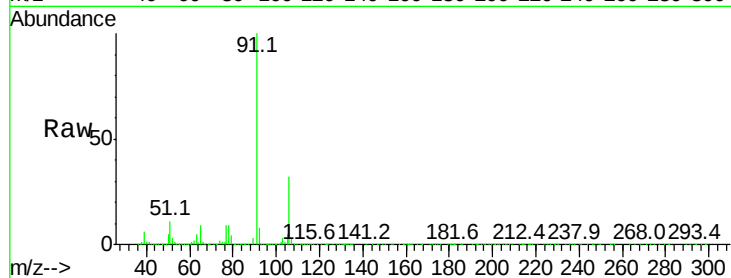
VSTD01084

Tgt Ion: 91 Resp: 2480552

Ion Ratio Lower Upper

91 100

106 31.6 21.5 39.9



#53

m,p-Xylene

Concen: 10.146 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR026218.D

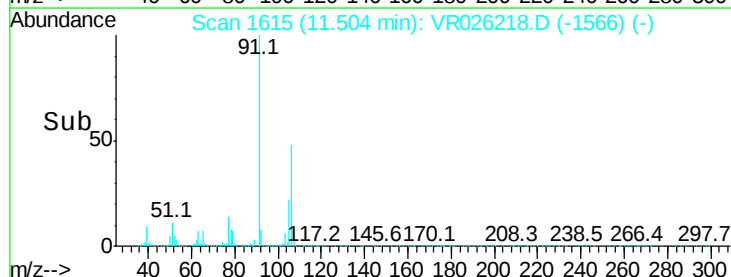
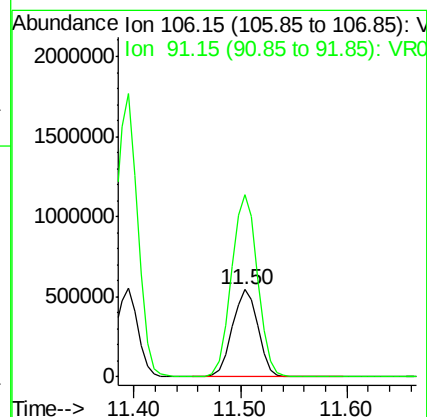
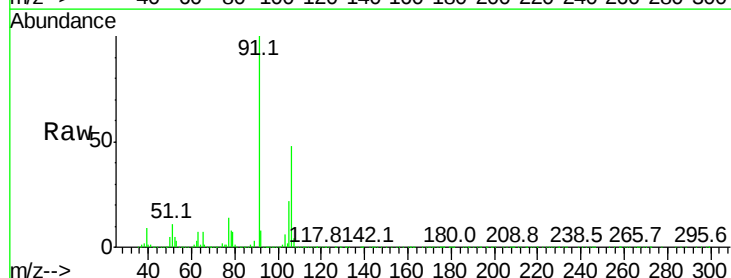
Acq: 9 Nov 2018 12:52

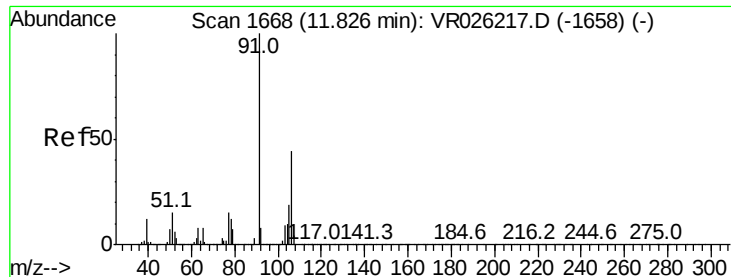
Tgt Ion: 106 Resp: 922469

Ion Ratio Lower Upper

106 100

91 208.4 153.9 285.9

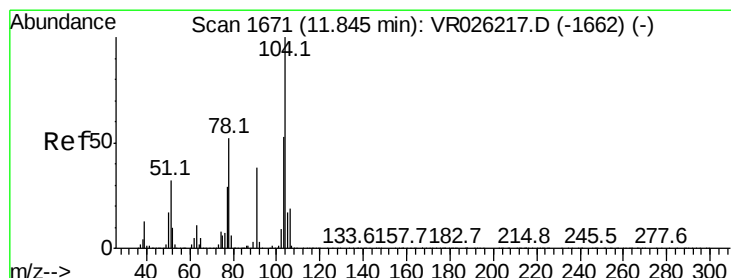
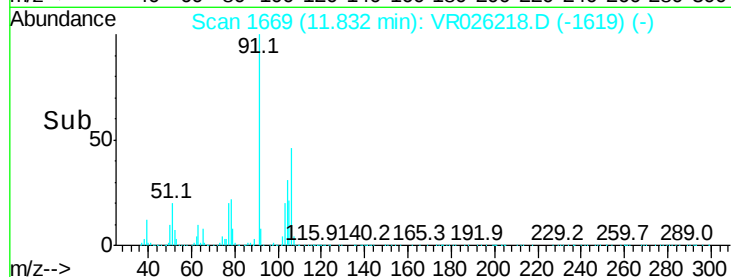
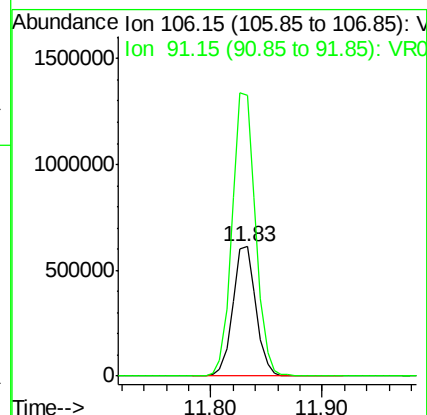
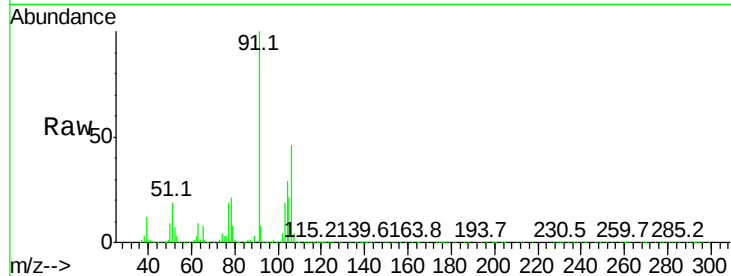




#54
o-Xylene
Concen: 10.470 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. 0.01 min
Lab File: VR026218.D
Acq: 9 Nov 2018 12:52

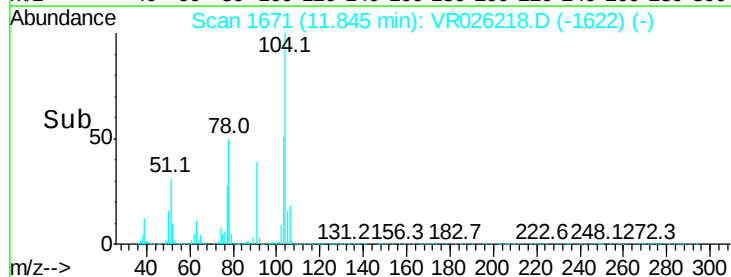
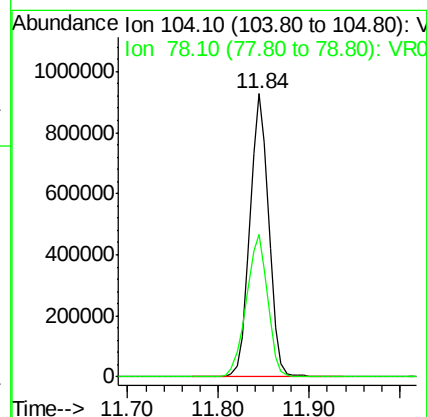
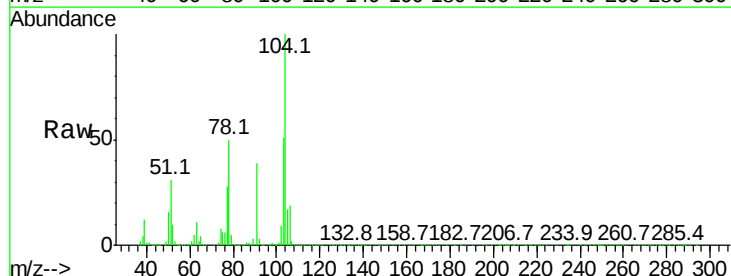
Instrument :
MSVOA_R
ClientSampleId :
VSTD01084

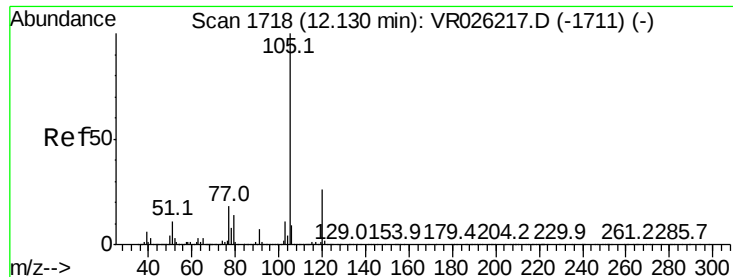
Tgt Ion:106 Resp: 872721
Ion Ratio Lower Upper
106 100
91 217.0 159.5 296.1



#55
Styrene
Concen: 10.371 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR026218.D
Acq: 9 Nov 2018 12:52

Tgt Ion:104 Resp: 1330534
Ion Ratio Lower Upper
104 100
78 50.4 36.8 68.3





#56

Isopropylbenzene

Concen: 10.262 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR026218.D

Acq: 9 Nov 2018 12:52

Instrument :

MSVOA_R

ClientSampleId :

VSTD01084

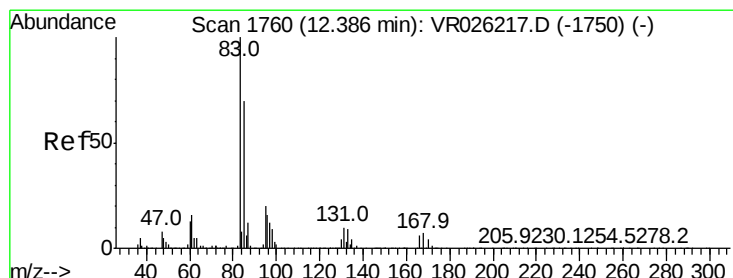
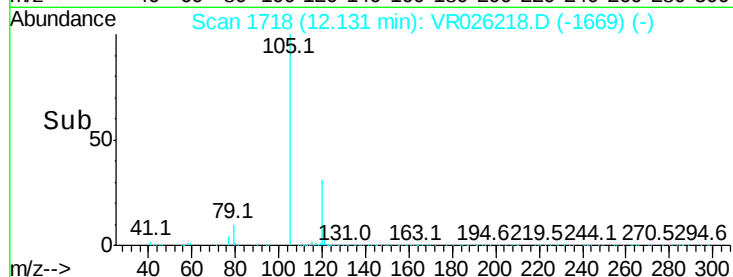
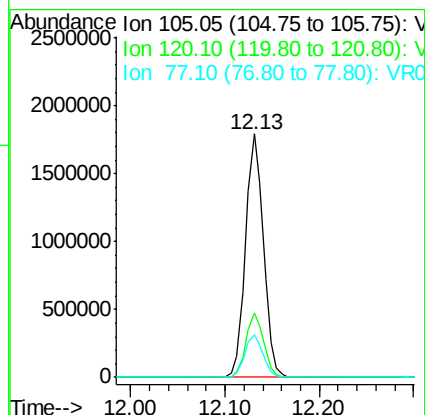
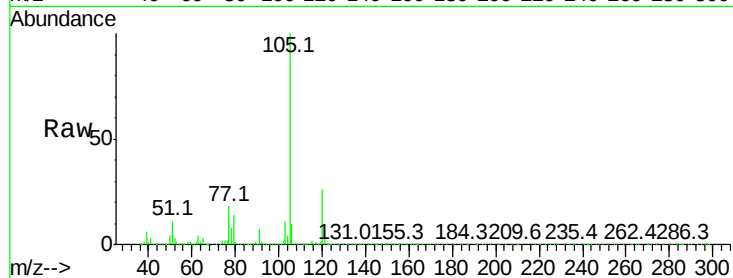
Tgt Ion:105 Resp: 2375711

Ion Ratio Lower Upper

105 100

120 26.2 20.4 30.6

77 17.9 14.3 21.5



#58

1,1,2,2-Tetrachloroethane

Concen: 9.259 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. 0.00 min

Lab File: VR026218.D

Acq: 9 Nov 2018 12:52

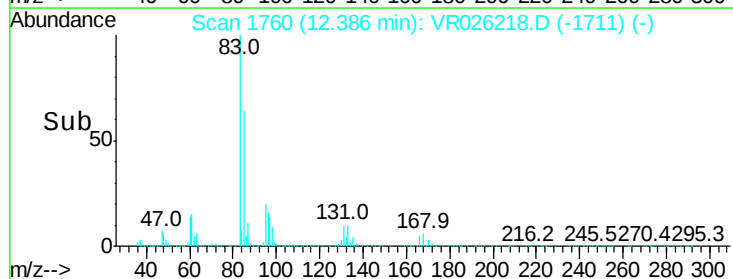
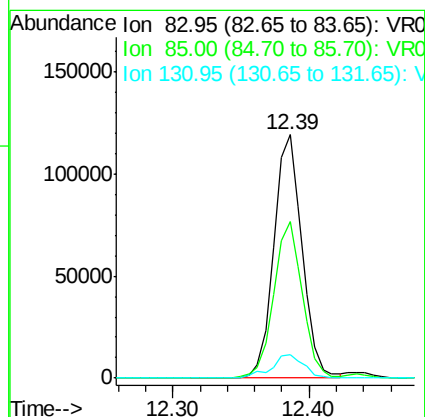
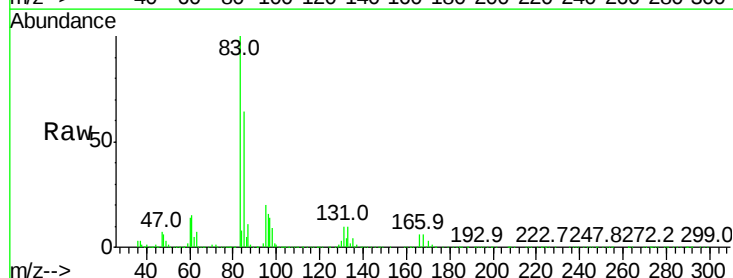
Tgt Ion: 83 Resp: 172184

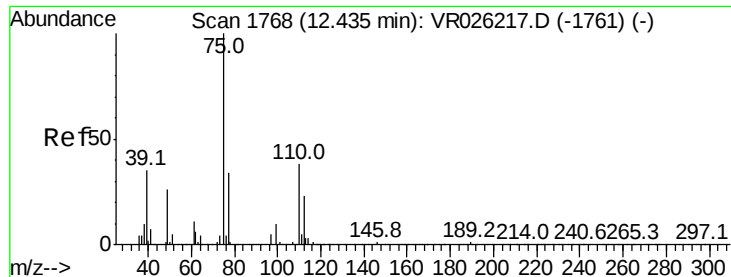
Ion Ratio Lower Upper

83 100

85 64.3 49.1 91.1

131 9.6 8.3 12.5





#59

1,2,3-Trichloropropane

Concen: 9.221 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VR026218.D

Acq: 9 Nov 2018 12:52

Instrument :

MSVOA_R

ClientSampleId :

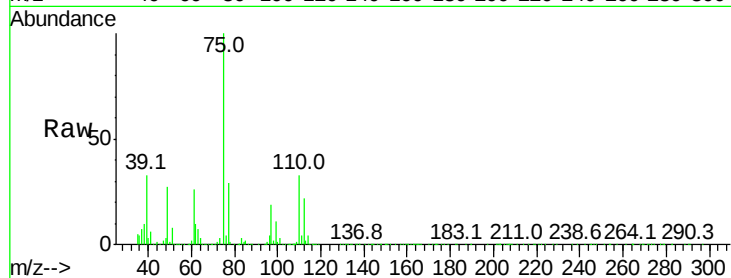
VSTD01084

Tgt Ion: 75 Resp: 125901

Ion Ratio Lower Upper

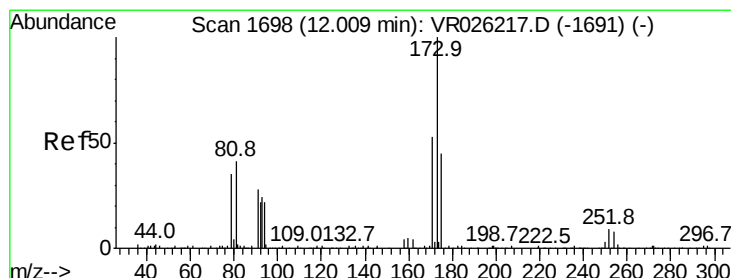
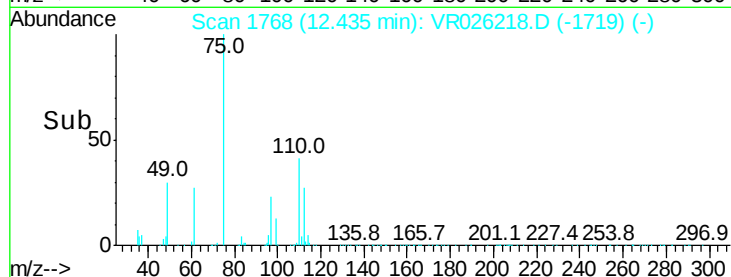
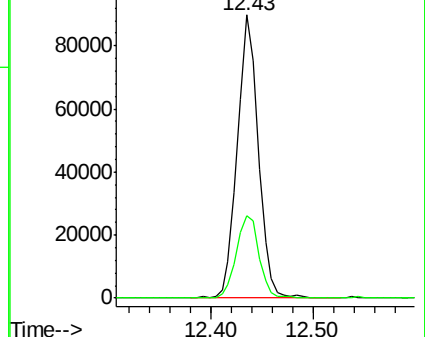
75 100

77 31.6 27.4 41.0



Abundance Ion 75.00 (74.70 to 75.70): VR0

Ion 77.00 (76.70 to 77.70): VR0



#61

Bromoform

Concen: 10.498 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VR026218.D

Acq: 9 Nov 2018 12:52

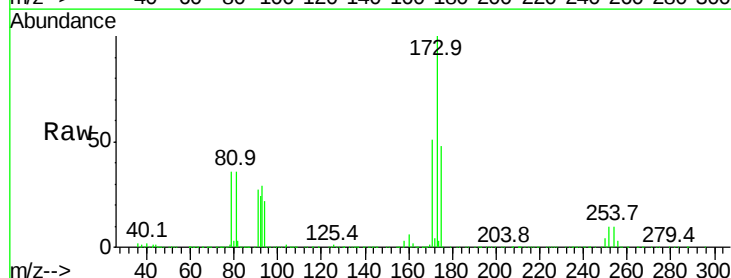
Tgt Ion: 173 Resp: 79310

Ion Ratio Lower Upper

173 100

175 49.7 38.2 57.4

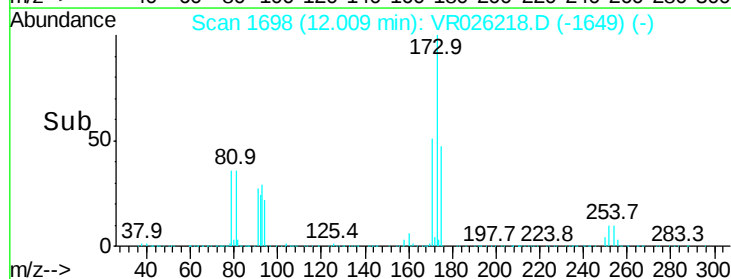
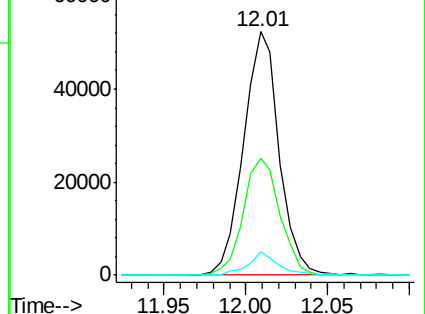
254 8.0 8.0 12.0

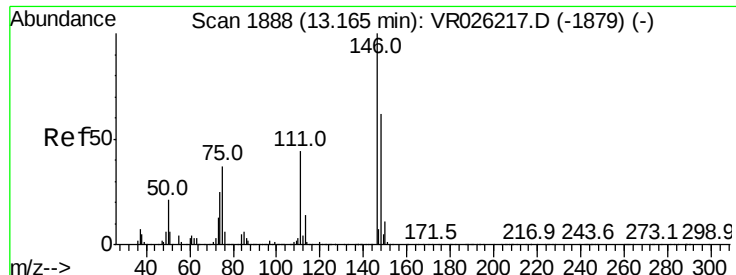


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V





#62

1,3-Dichlorobenzene

Concen: 9.470 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. 0.00 min

Lab File: VR026218.D

Acq: 9 Nov 2018 12:52

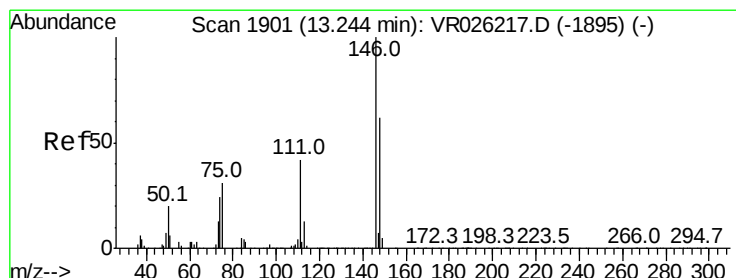
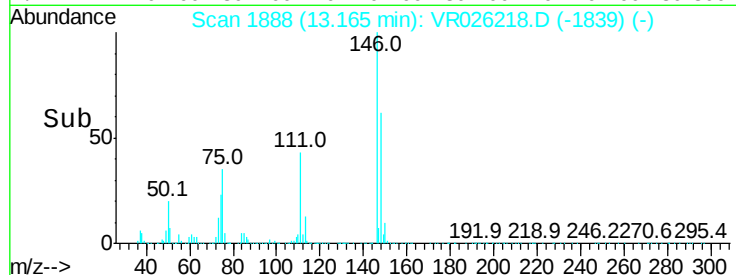
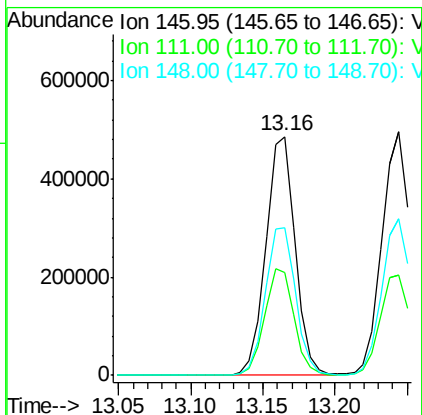
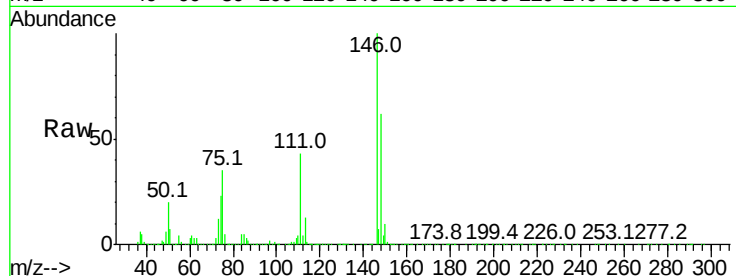
Instrument :

MSVOA_R

ClientSampleId :

VSTD01084

Tgt Ion:	146	Resp:	683807
Ion Ratio	Lower	Upper	
146	100		
111	43.4	30.5	56.7
148	61.8	43.5	80.7



#63

1,4-Dichlorobenzene

Concen: 9.195 ug/L

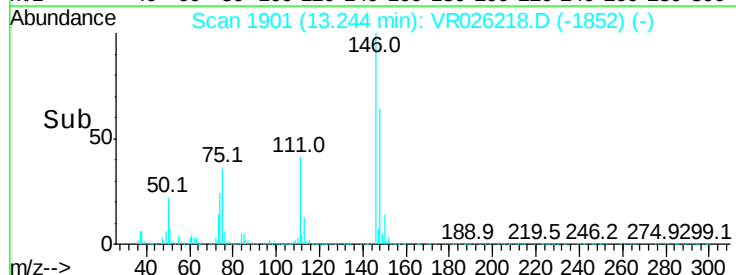
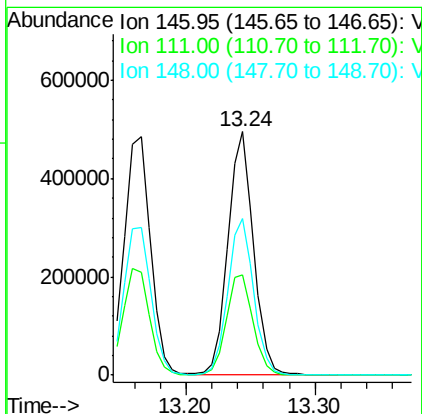
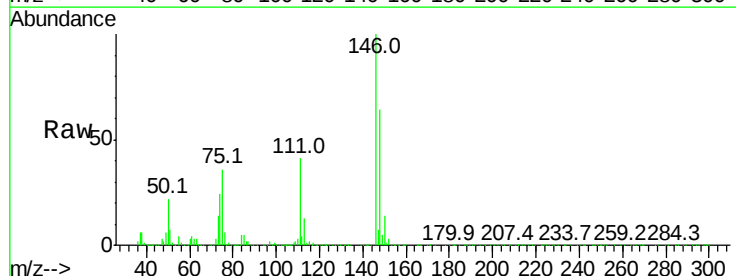
RT: 13.24 min Scan# 1901

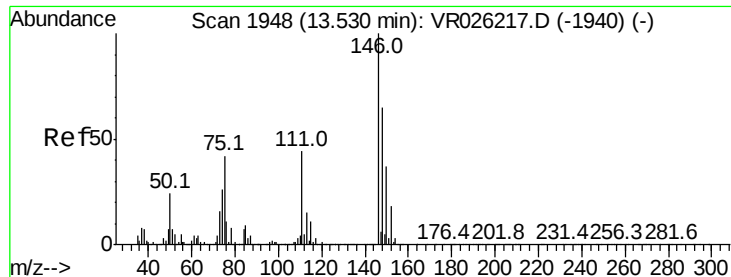
Delta R.T. 0.00 min

Lab File: VR026218.D

Acq: 9 Nov 2018 12:52

Tgt Ion:	146	Resp:	687607
Ion Ratio	Lower	Upper	
146	100		
111	41.0	29.3	54.3
148	64.2	43.0	80.0

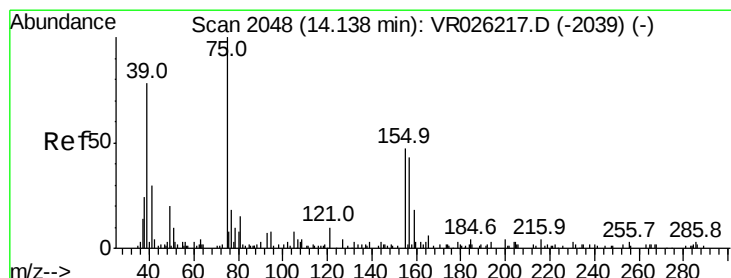
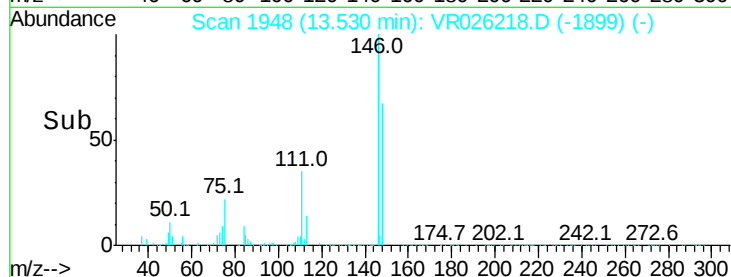
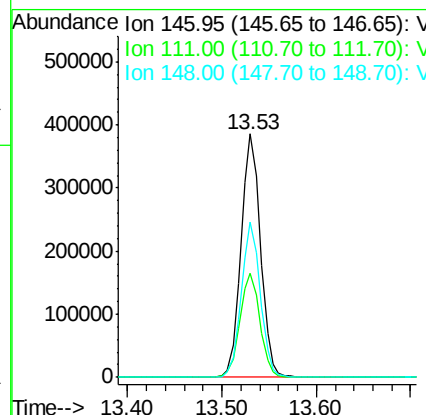
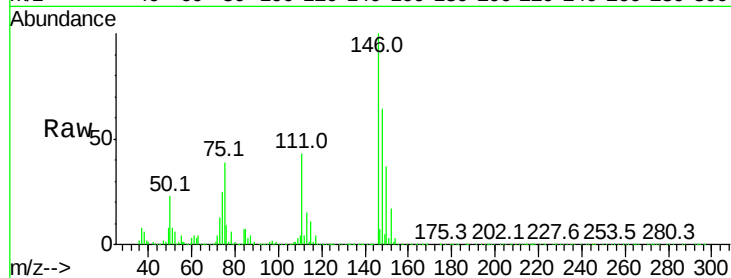




#65
 1,2-Dichlorobenzene
 Concen: 9.520 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. 0.00 min
 Lab File: VR026218.D
 Acq: 9 Nov 2018 12:52

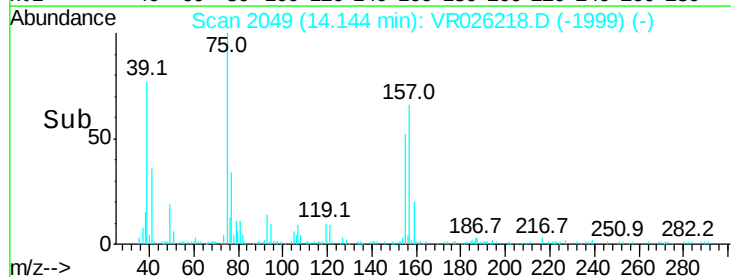
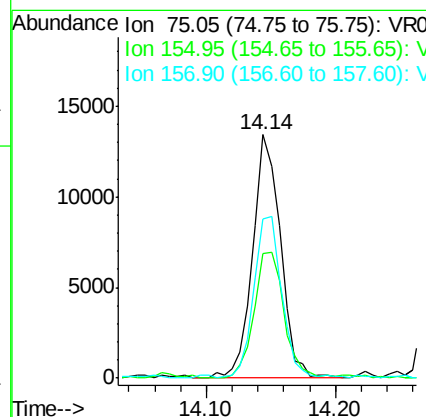
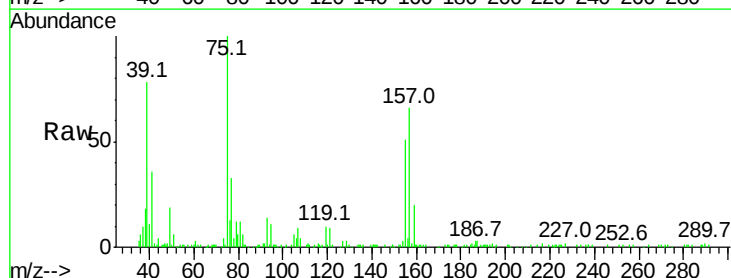
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01084

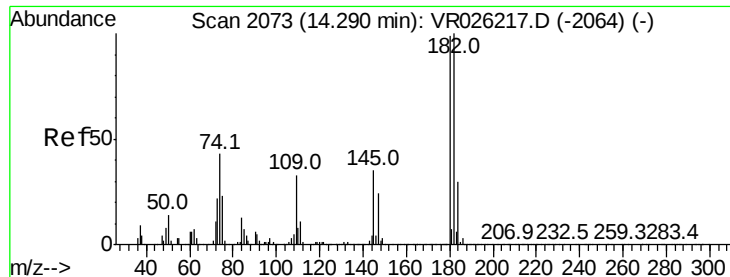
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.8	35.0	52.6
148	64.0	51.6	77.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 8.409 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. 0.01 min
 Lab File: VR026218.D
 Acq: 9 Nov 2018 12:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	51.4	37.8	56.6
157	65.5	34.6	51.8

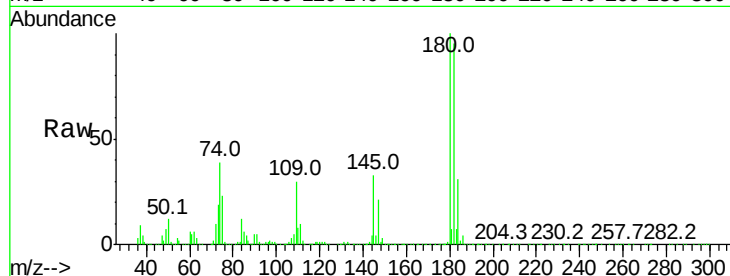




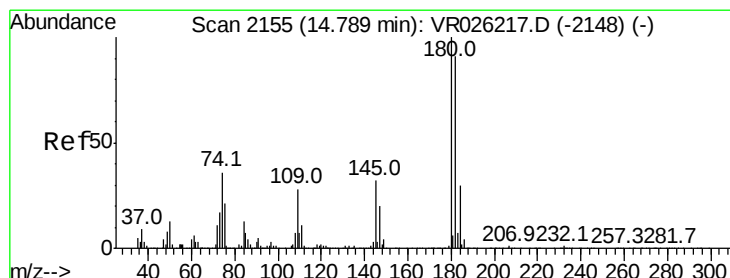
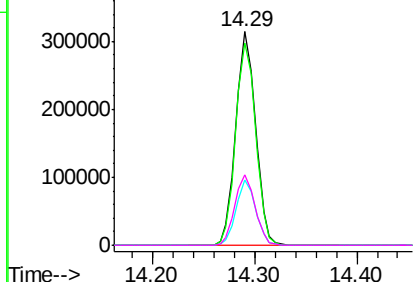
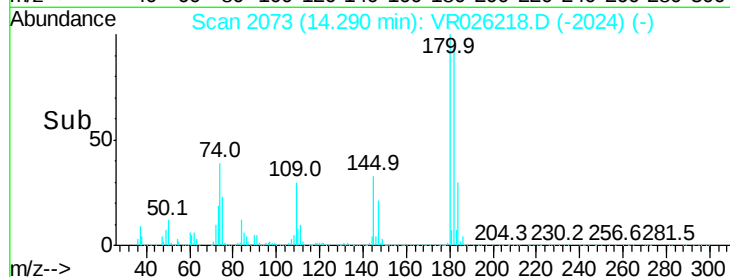
#67
 1,3,5-Trichlorobenzene
 Concen: 9.518 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VR026218.D
 Acq: 9 Nov 2018 12:52

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01084

Tgt Ion:	180	Resp:	418755
Ion Ratio	Lower	Upper	
180	100		
182	95.9	77.0	115.6
184	30.5	23.2	34.8
145	33.6	26.4	39.6

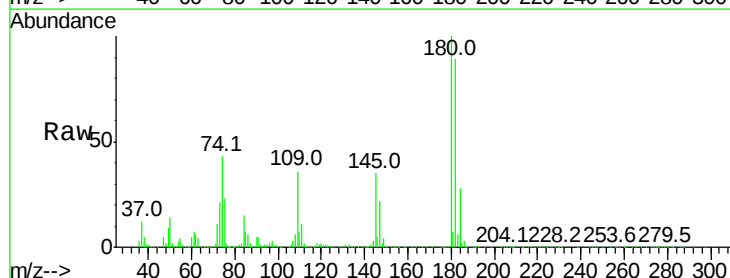


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

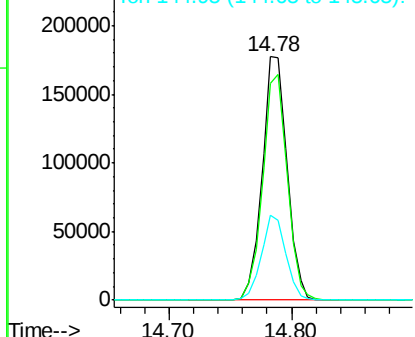
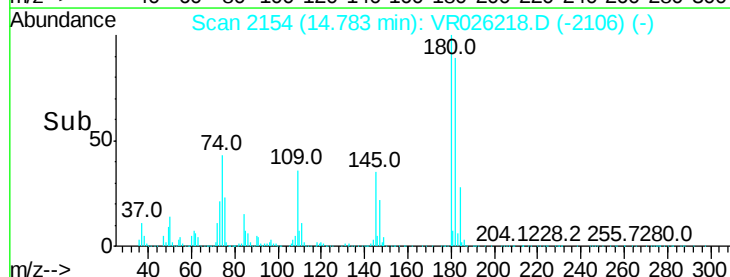


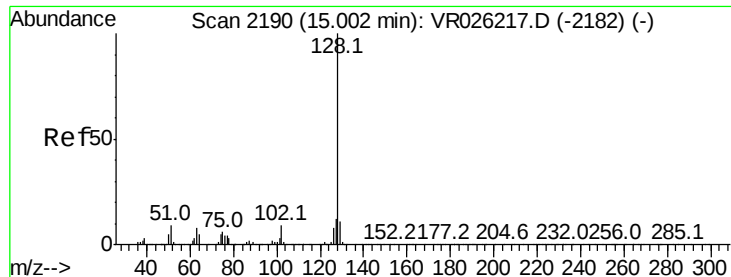
#68
 1,2,4-trichlorobenzene
 Concen: 9.820 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. -0.01 min
 Lab File: VR026218.D
 Acq: 9 Nov 2018 12:52

Tgt Ion:	180	Resp:	252181
Ion Ratio	Lower	Upper	
180	100		
182	91.6	75.0	112.6
145	34.2	27.3	40.9



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: 11.247 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VR026218.D

Acq: 9 Nov 2018 12:52

Instrument :

MSVOA_R

ClientSampled :

VSTD01084

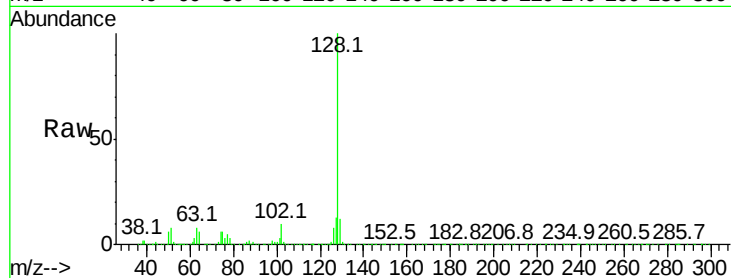
Tgt Ion:128 Resp: 280452

Ion Ratio Lower Upper

128 100

127 13.4 9.8 14.8

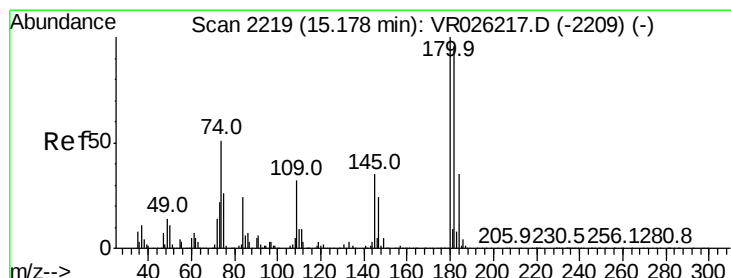
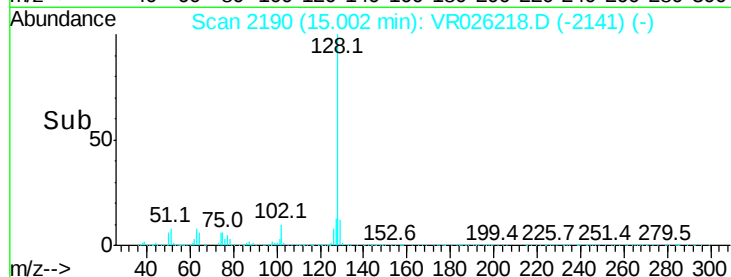
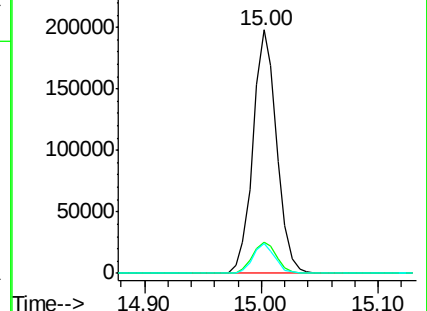
129 11.7 8.4 12.6



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: 9.844 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VR026218.D

Acq: 9 Nov 2018 12:52

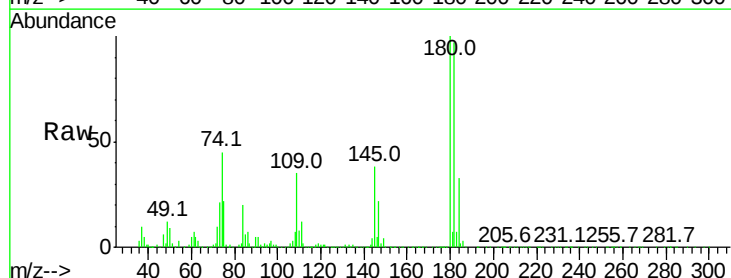
Tgt Ion:180 Resp: 175574

Ion Ratio Lower Upper

180 100

182 94.4 77.4 116.0

145 36.0 29.3 43.9



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

