

Data File : VU026134.D
Acq On : 15 Aug 2018 09:36
Operator : MD/SY
Sample : VSTD20064
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD20064

Quant Time: Aug 16 02:02:35 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM081518WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 16 02:00:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	314438	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	309018	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	178350	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	363417	196.83	ug/L	0.00
7) Chloroethane-d5	1.66	69	295180	194.49	ug/L	-0.02
11) 1,1-Dichloroethene-d2	2.27	63	709777	195.76	ug/L	0.00
21) 2-Butanone-d5	4.18	46	595354	420.24	ug/L	0.00
24) Chloroform-d	4.65	84	823071	199.02	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	529000	195.45	ug/L	0.00
32) Benzene-d6	5.34	84	1610537	202.15	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	512128	195.52	ug/L	0.00
41) Toluene-d8	7.57	98	1571725	206.10	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	271555	218.97	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	507209	472.65	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.44	84	775013	210.23	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	712740	192.04	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	487622	195.871	ug/L	100
3) Chloromethane	1.33	50	448709	197.923	ug/L	99
5) Vinyl chloride	1.40	62	452677	199.977	ug/L	100
6) Bromomethane	1.61	94	193853	166.200	ug/L	98
8) Chloroethane	1.68	64	264926	195.470	ug/L	100
9) Trichlorofluoromethane	1.88	101	645521	193.127	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	349517	193.011	ug/L	98
12) 1,1-Dichloroethene	2.28	96	322586	194.122	ug/L	94
13) Acetone	2.32	43	453219	349.561	ug/L	97
14) Carbon disulfide	2.47	76	1148284	199.274	ug/L	100
15) Methyl Acetate	2.61	43	441366	196.238	ug/L	99
16) Methylene chloride	2.70	84	433563	194.761	ug/L	97
17) trans-1,2-Dichloroethene	2.98	96	395770	200.771	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	1303944	208.392	ug/L	99
19) 1,1-Dichloroethane	3.45	63	751795	198.103	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	460318	208.276	ug/L	99
22) 2-Butanone	4.26	43	649614	402.166	ug/L	98
23) Bromochloromethane	4.55	128	238582	199.698	ug/L	97
25) Chloroform	4.67	83	789168	198.081	ug/L	100
27) 1,2-Dichloroethane	5.41	62	634209	196.889	ug/L	100
29) Cyclohexane	5.00	56	666288	215.788	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	713425	193.228	ug/L	99
31) Carbon tetrachloride	5.14	117	660472	197.452	ug/L	100
33) Benzene	5.39	78	1664502	198.925	ug/L	100
34) Trichloroethene	6.19	95	432260	198.302	ug/L	98
35) Methylcyclohexane	6.42	83	709253	216.752	ug/L	99
37) 1,2-Dichloropropane	6.44	63	458178	196.064	ug/L	99
38) Bromodichloromethane	6.76	83	621944	201.012	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	731142	210.764	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	1247638	430.383	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	1838409	206.883	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	714858	213.865	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	436617	197.054	ug/L	98
46) Tetrachloroethene	8.23	164	380438	202.370	ug/L	99
48) 2-Hexanone	8.36	43	990485	436.077	ug/L	98
49) Dibromochloromethane	8.48	129	559278	209.580	ug/L	98
50) 1,2-Dibromoethane	8.59	107	480094	208.671	ug/L	99
51) Chlorobenzene	9.12	112	1249428	205.736	ug/L	99
52) Ethylbenzene	9.25	91	2102922	217.246	ug/L	100
53) m,p-Xylene	9.38	106	825161	221.208	ug/L	100
54) o-xylene	9.78	106	821041	220.578	ug/L	100
55) Styrene	9.80	104	1417177	228.669	ug/L	98
56) Isopropylbenzene	10.17	105	2162829	226.322	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	769102	207.853	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	601172	208.827	ug/L	100
61) Bromoform	9.96	173	446174	191.341	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	1068040	199.832	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	1081041	196.129	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	1093667	191.468	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	177524	196.020	ug/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	820838	207.968	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	708060	236.795	ug/L	100
69) Naphthalene	13.74	128	2175284	255.624	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	725430	226.252	ug/L	99

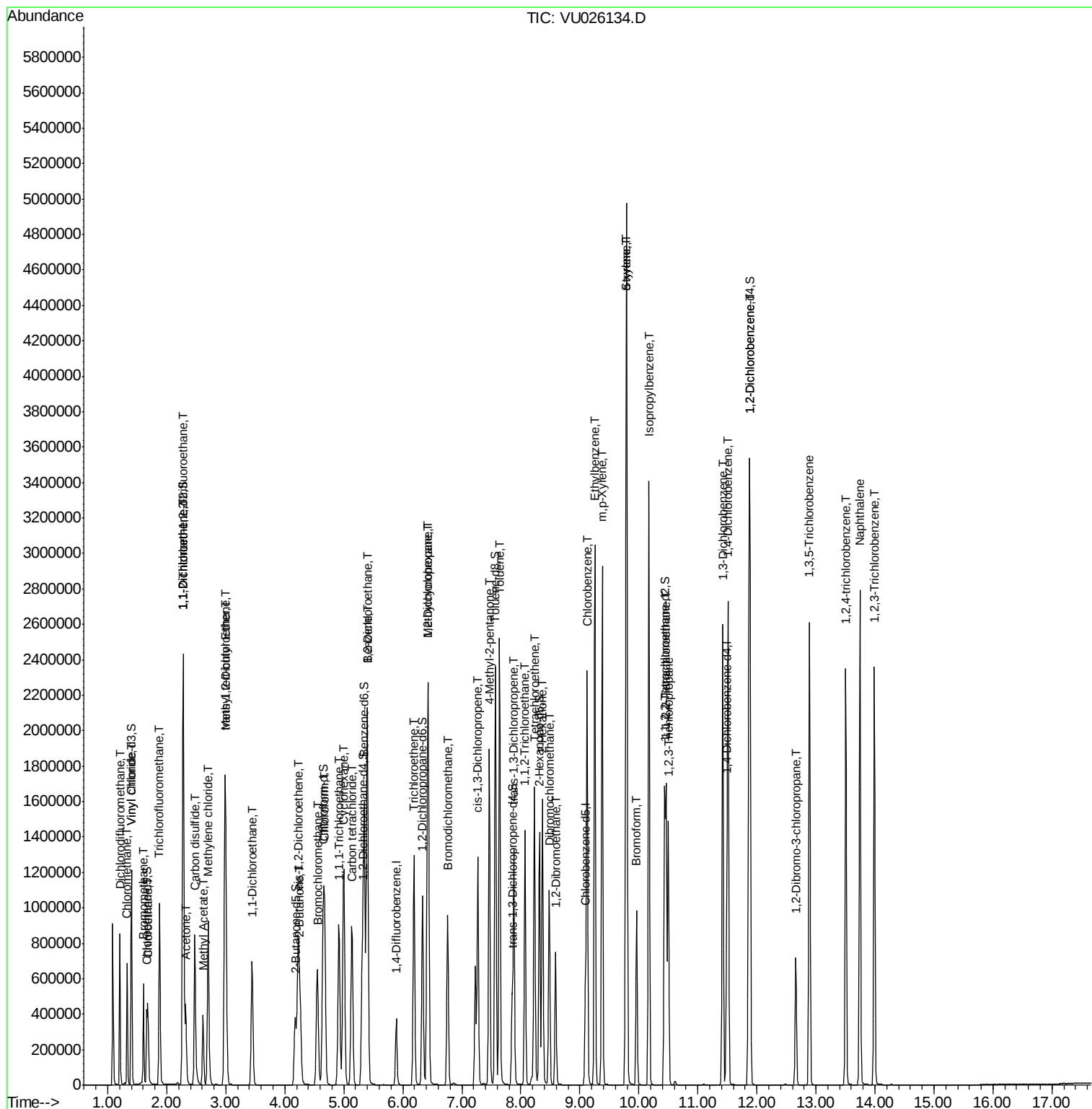
(#) = qualifier out of range (m) = manual integration (+) = signals summed

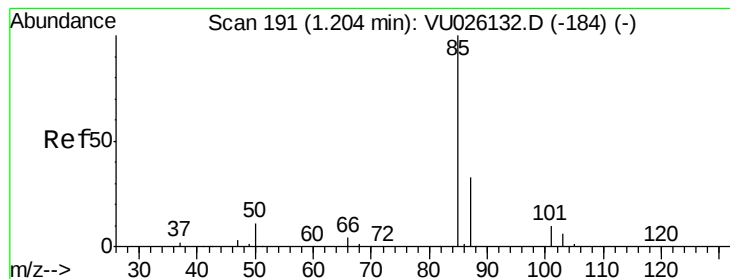
Data File : VU026134.D

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#2

Dichlorodifluoromethane

Concen: 195.871 ug/L

RT: 1.20 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU026134.D

Acq: 15 Aug 2018 09:36

Instrument :

MSVOA_U

ClientSampleId :

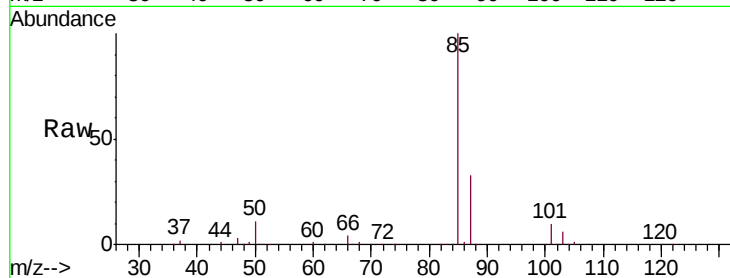
VSTD20064

Tgt Ion: 85 Resp: 487622

Ion Ratio Lower Upper

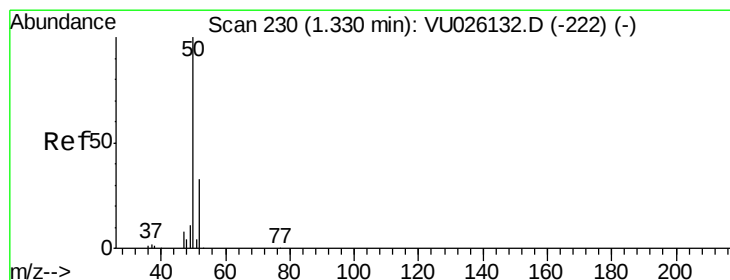
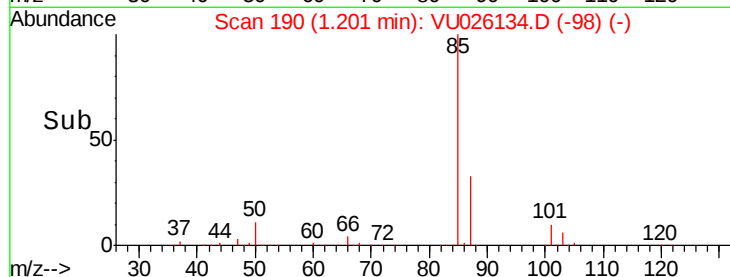
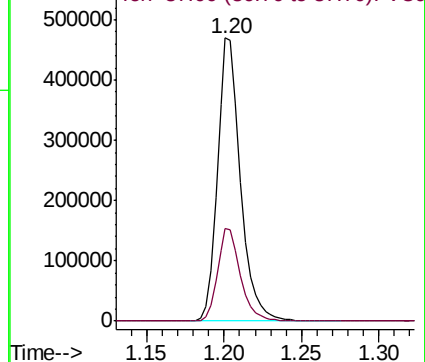
85 100

87 32.6 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 197.923 ug/L

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU026134.D

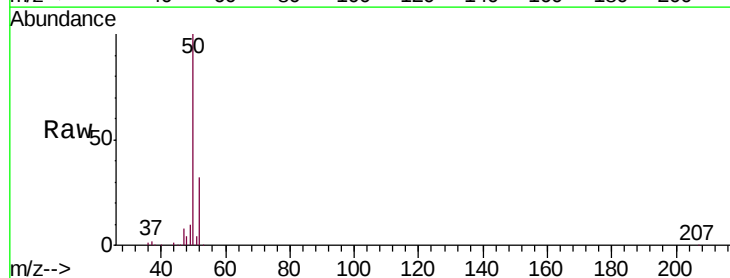
Acq: 15 Aug 2018 09:36

Tgt Ion: 50 Resp: 448709

Ion Ratio Lower Upper

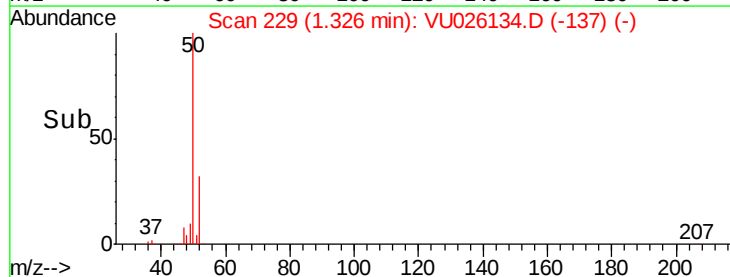
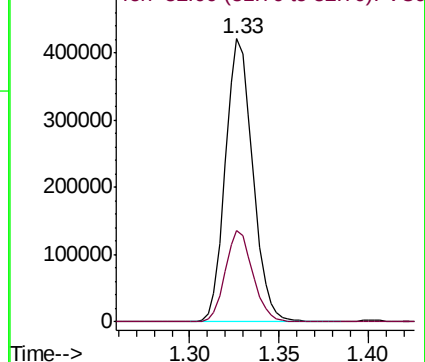
50 100

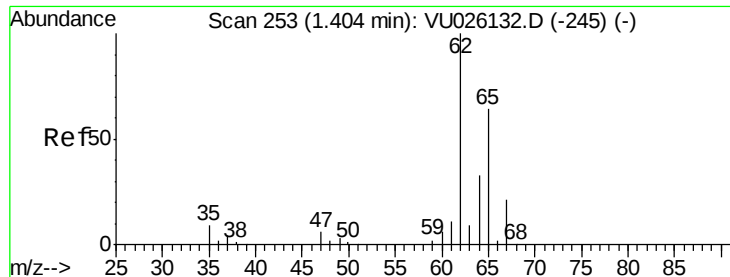
52 32.3 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 199.977 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU026134.D

Acq: 15 Aug 2018 09:36

Instrument :

MSVOA_U

ClientSampleId :

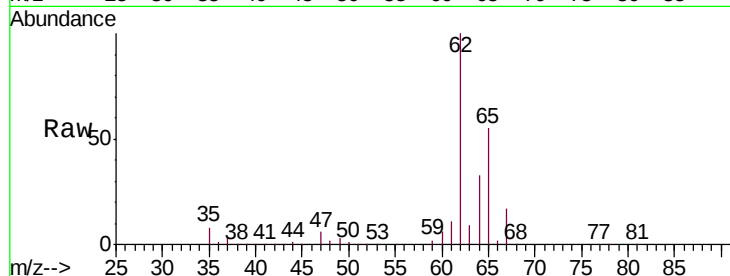
VSTD20064

Tgt Ion: 62 Resp: 452677

Ion Ratio Lower Upper

62 100

64 32.7 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.40

400000

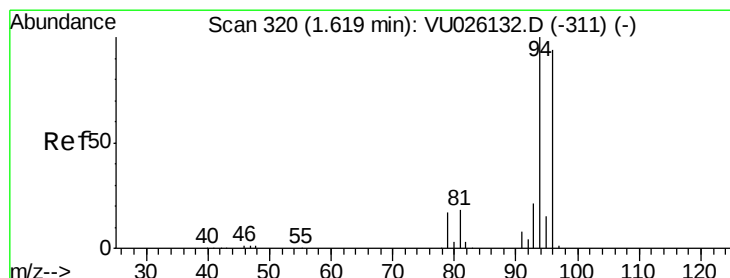
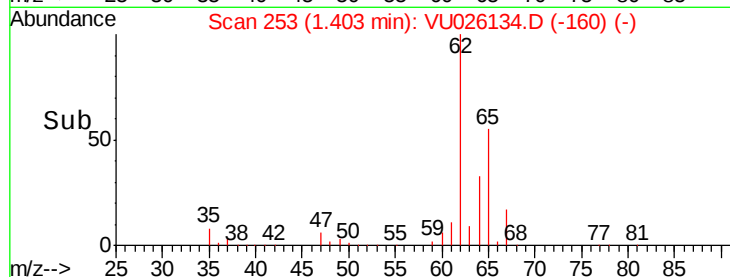
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 166.200 ug/L

RT: 1.61 min Scan# 316

Delta R.T. -0.01 min

Lab File: VU026134.D

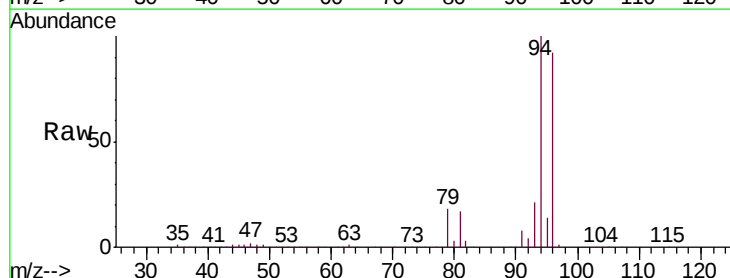
Acq: 15 Aug 2018 09:36

Tgt Ion: 94 Resp: 193853

Ion Ratio Lower Upper

94 100

96 92.3 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.61

200000

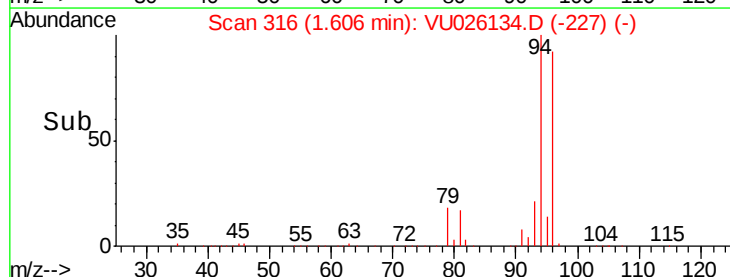
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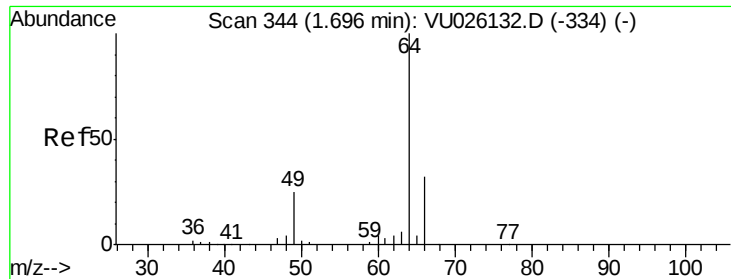
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50000

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Time-->

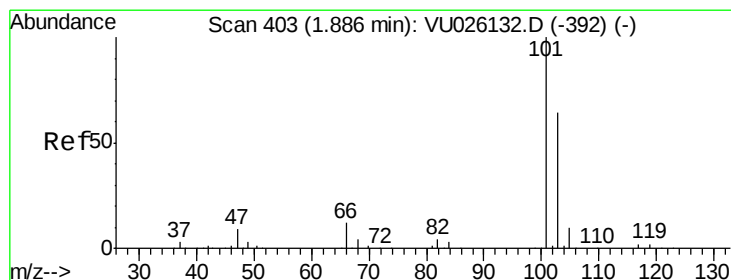
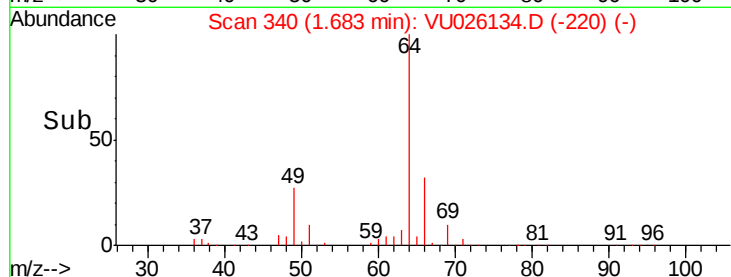
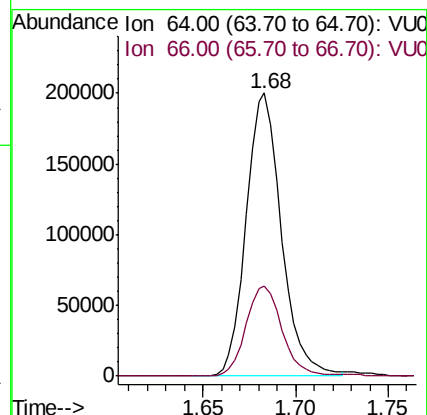
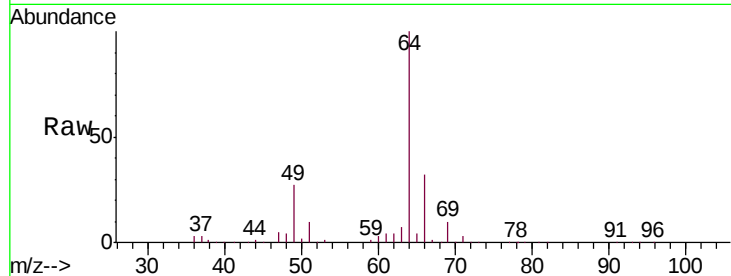




#8
Chloroethane
Concen: 195.470 ug/L
RT: 1.68 min Scan# 340
Delta R.T. -0.01 min
Lab File: VU026134.D
Acq: 15 Aug 2018 09:36

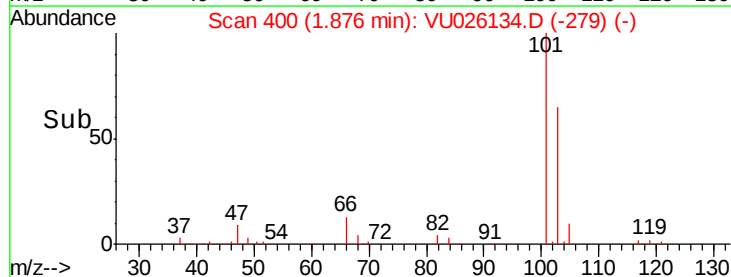
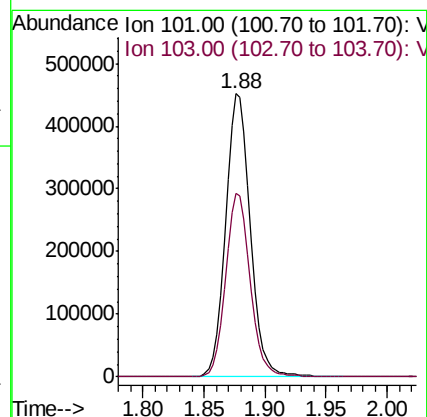
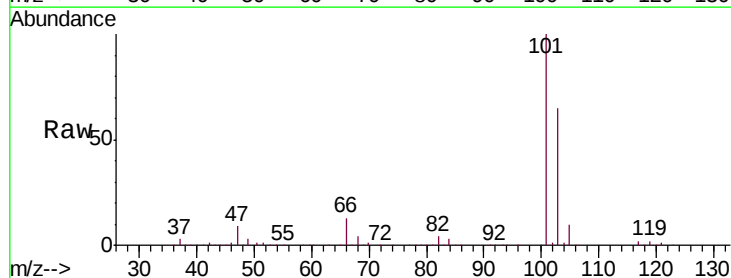
Instrument :
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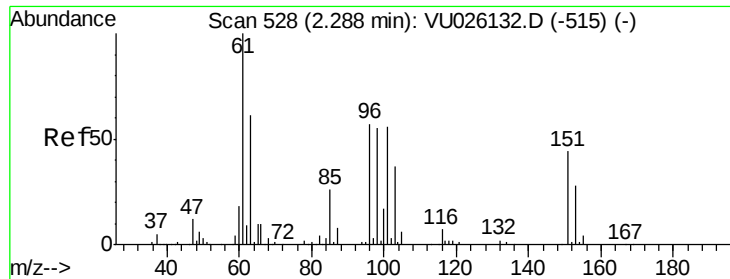
Tgt Ion: 64 Resp: 264926
Ion Ratio Lower Upper
64 100
66 32.0 22.2 41.2



#9
Trichlorofluoromethane
Concen: 193.127 ug/L
RT: 1.88 min Scan# 400
Delta R.T. -0.01 min
Lab File: VU026134.D
Acq: 15 Aug 2018 09:36

Tgt Ion: 101 Resp: 645521
Ion Ratio Lower Upper
101 100
103 64.6 51.4 77.2





#10

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

Concen: 193.011 ug/L

RT: 2.28 min Scan# 526

Delta R.T. -0.01 min

Lab File: VU026134.D

Acq: 15 Aug 2018 09:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD20064

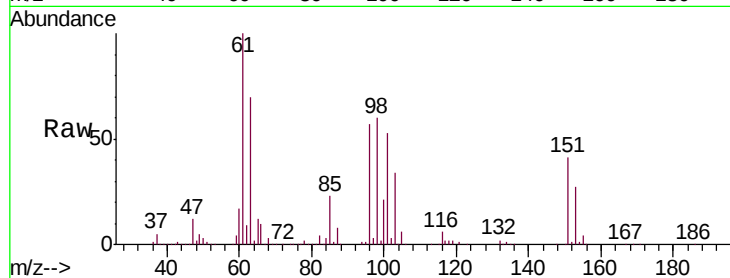
Tgt Ion: 101 Resp: 349517

Ion Ratio Lower Upper

101 100

85 44.4 36.6 55.0

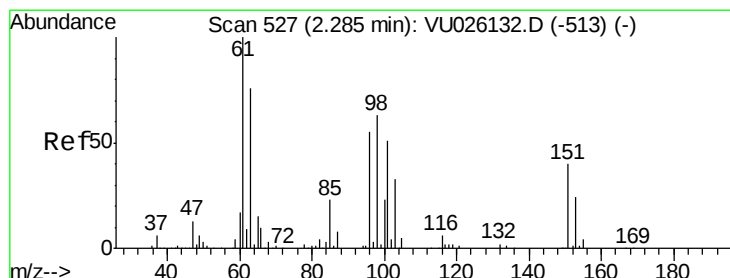
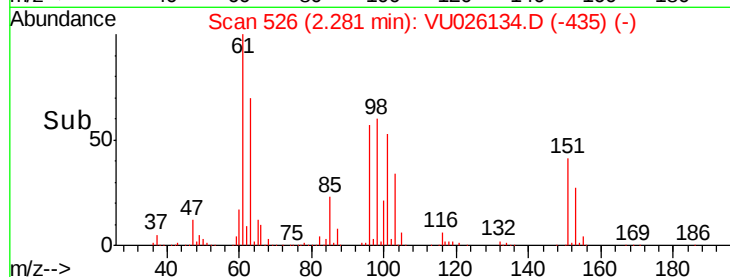
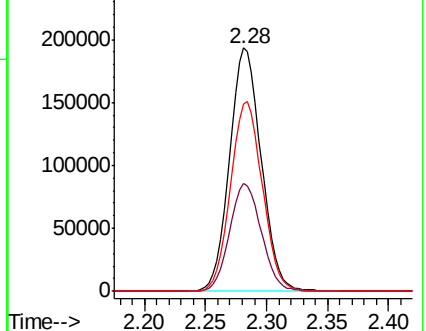
151 78.5 63.8 95.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 194.122 ug/L

RT: 2.28 min Scan# 525

Delta R.T. -0.01 min

Lab File: VU026134.D

Acq: 15 Aug 2018 09:36

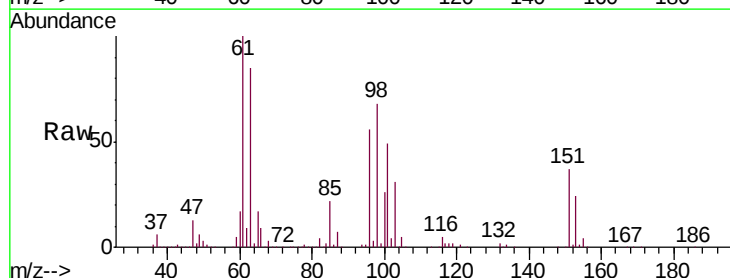
Tgt Ion: 96 Resp: 322586

Ion Ratio Lower Upper

96 100

61 178.3 126.8 235.4

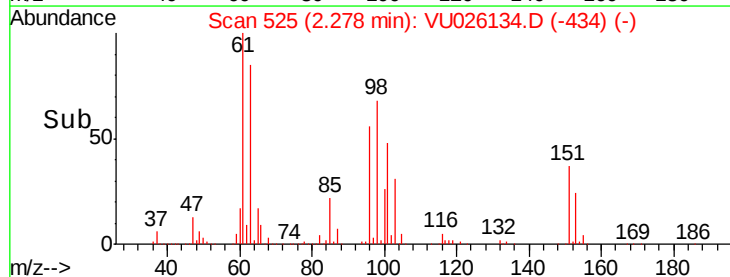
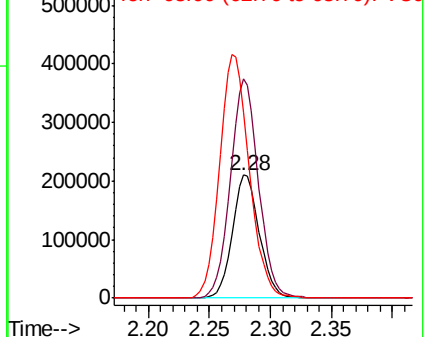
63 151.1 97.0 180.2

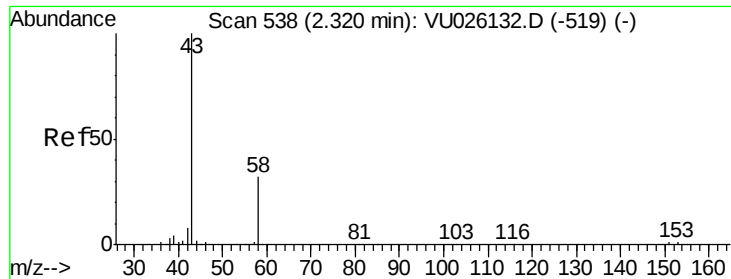


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 349.561 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

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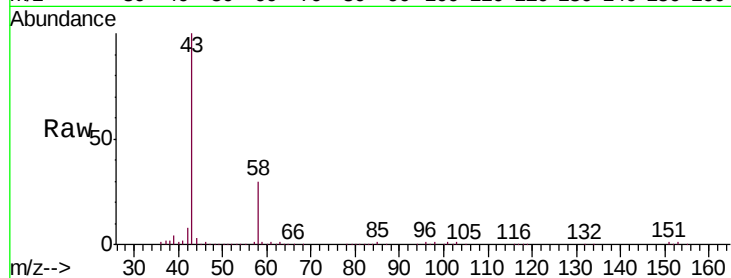
VSTD20064

Tgt Ion: 43 Resp: 453219

Ion Ratio Lower Upper

43 100

58 29.8 0.0 62.6



Abundance Ion 43.00 (42.70 to 43.70): VU026132.D (-519) (-)

Ion 58.00 (57.70 to 58.70): VU026132.D (-519) (-)

2.32

250000

200000

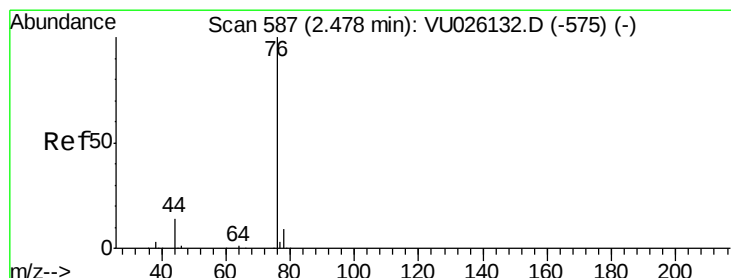
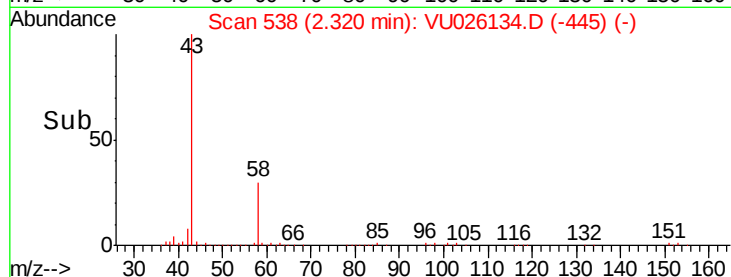
150000

100000

50000

0

Time-->



#14

Carbon disulfide

Concen: 199.274 ug/L

RT: 2.47 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU026134.D

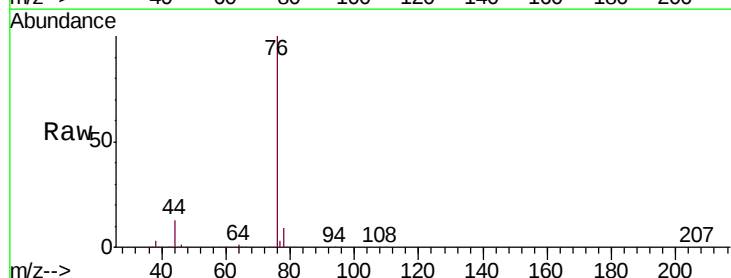
Acq: 15 Aug 2018 09:36

Tgt Ion: 76 Resp: 1148284

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU026132.D (-575) (-)

Ion 78.00 (77.70 to 78.70): VU026132.D (-575) (-)

2.47

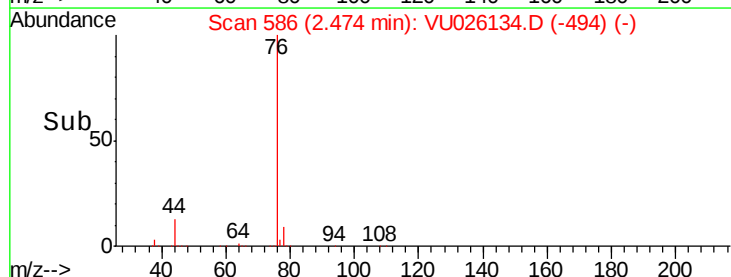
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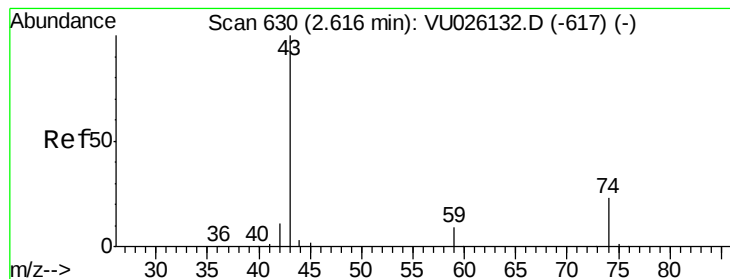
400000

200000

0

Time-->





#15

Methyl Acetate

Concen: 196.238 ug/L

RT: 2.61 min Scan# 629

Delta R.T. -0.00 min

Lab File: VU026134.D

Acq: 15 Aug 2018 09:36

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ClientSampleId :

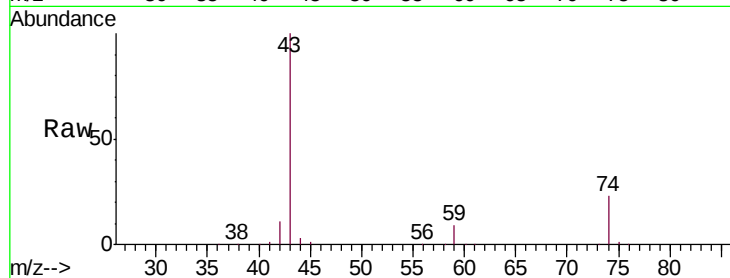
VSTD20064

Tgt Ion: 43 Resp: 441366

Ion Ratio Lower Upper

43 100

74 23.6 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.61

250000

200000

150000

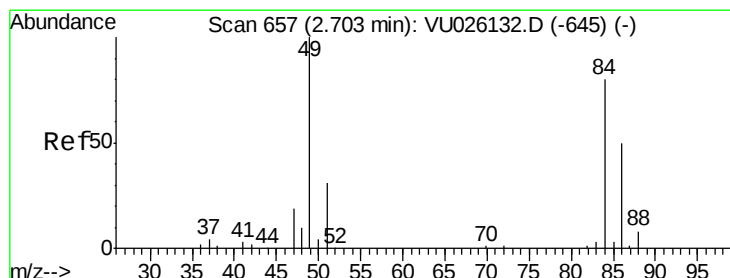
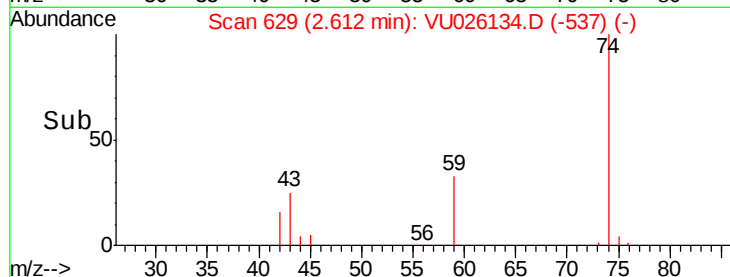
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50000

0

Time-->

2.55 2.60 2.65 2.70



#16

Methylene chloride

Concen: 194.761 ug/L

RT: 2.70 min Scan# 656

Delta R.T. -0.00 min

Lab File: VU026134.D

Acq: 15 Aug 2018 09:36

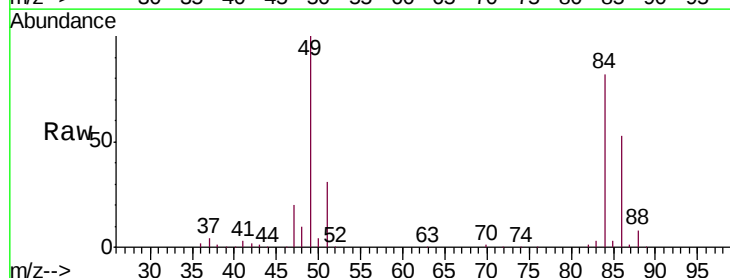
Tgt Ion: 84 Resp: 433563

Ion Ratio Lower Upper

84 100

86 64.3 44.0 81.6

49 121.7 87.7 162.9



Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0

2.70

300000

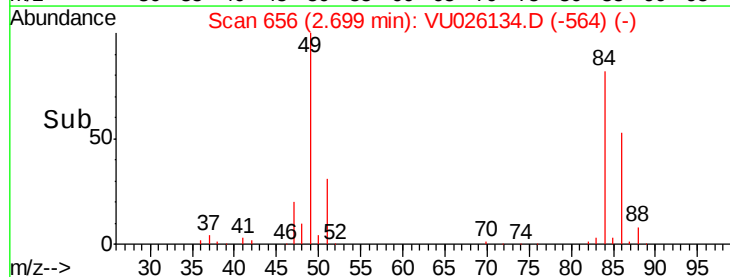
200000

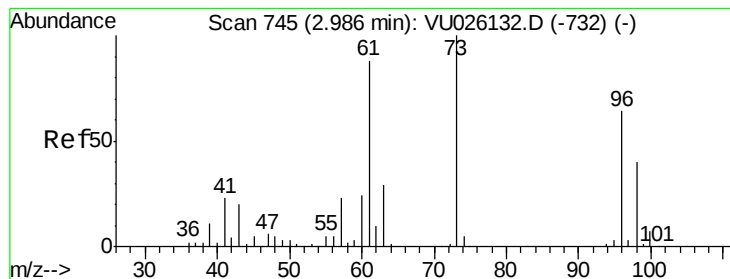
100000

0

Time-->

2.60 2.70 2.80





#17

trans-1,2-Dichloroethene

Concen: 200.771 ug/L

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU026134.D

Acq: 15 Aug 2018 09:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD20064

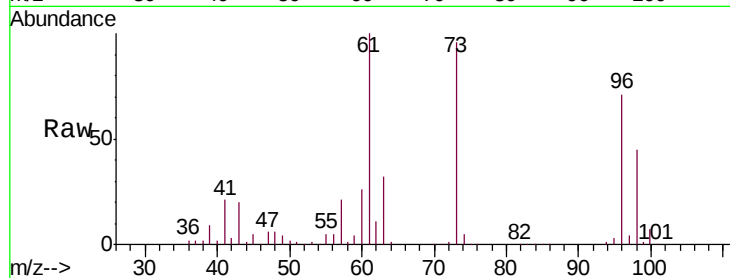
Tgt Ion: 96 Resp: 395770

Ion Ratio Lower Upper

96 100

61 140.0 96.7 179.5

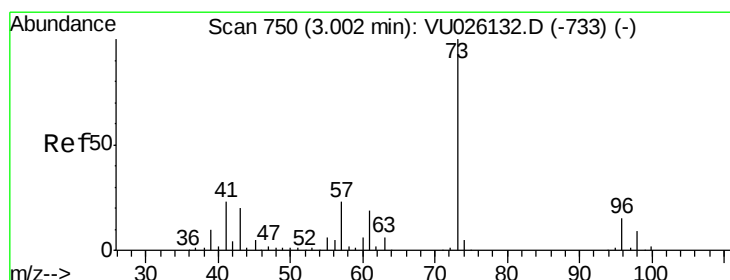
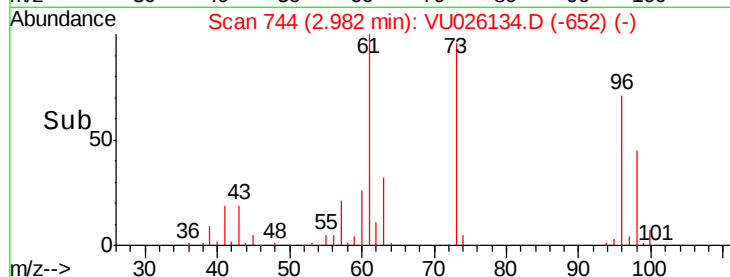
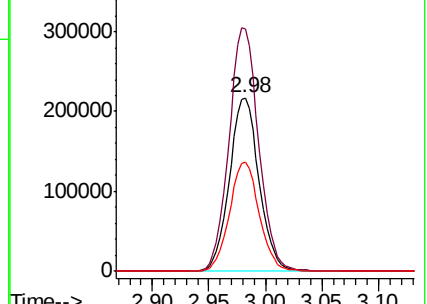
98 62.9 43.6 81.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 208.392 ug/L

RT: 3.00 min Scan# 749

Delta R.T. -0.00 min

Lab File: VU026134.D

Acq: 15 Aug 2018 09:36

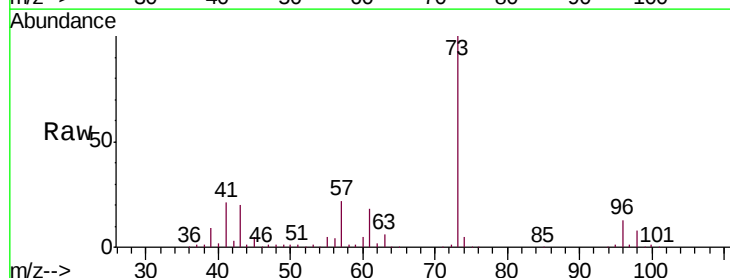
Tgt Ion: 73 Resp: 1303944

Ion Ratio Lower Upper

73 100

43 19.7 16.2 24.4

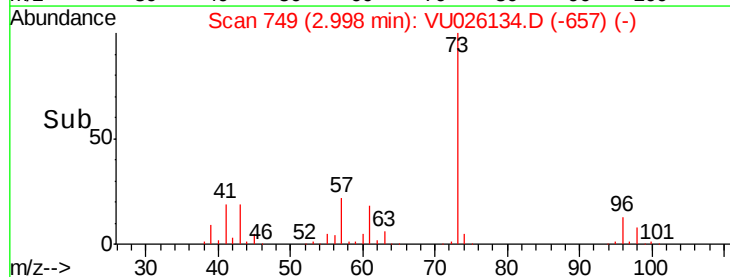
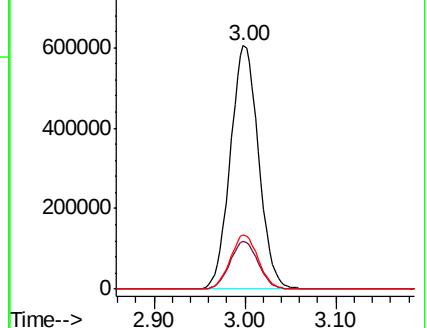
57 22.1 18.2 27.2

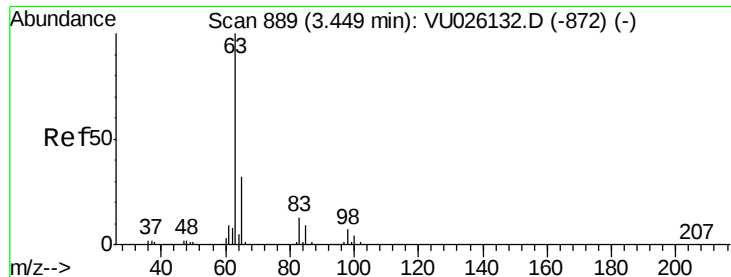


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

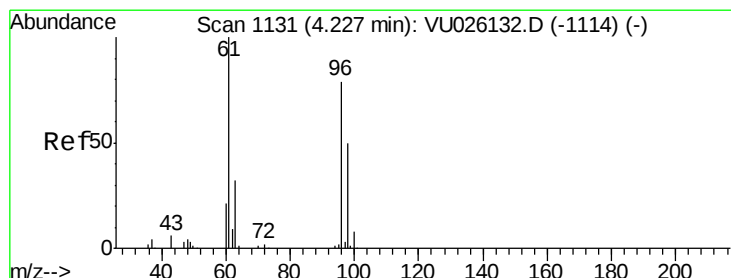
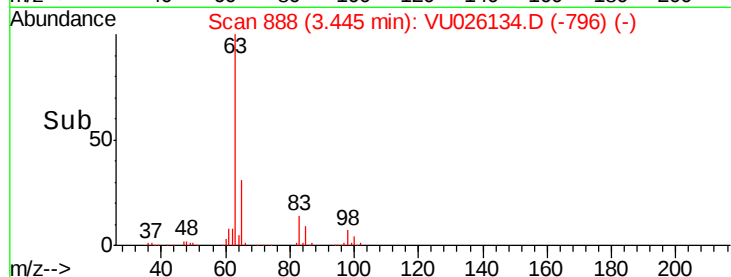
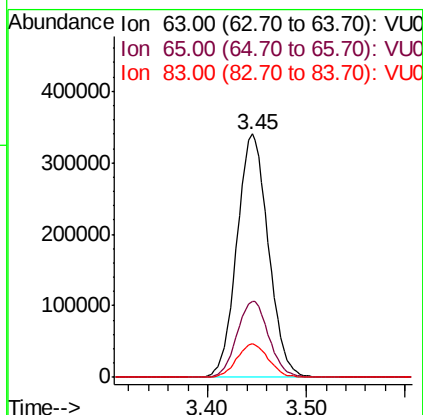
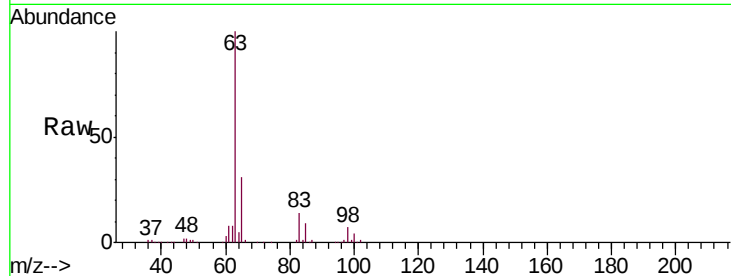




#19
 1,1-Dichloroethane
 Concen: 198.103 ug/L
 RT: 3.45 min Scan# 888
 Delta R.T. -0.00 min
 Lab File: VU026134.D
 Acq: 15 Aug 2018 09:36

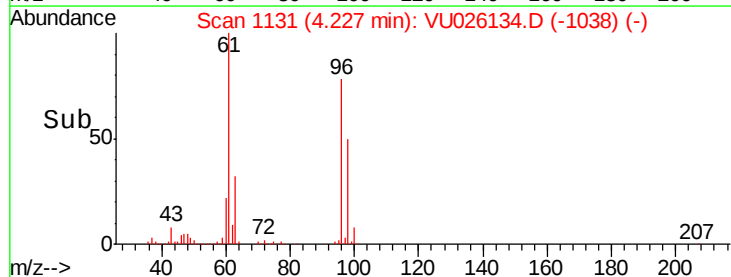
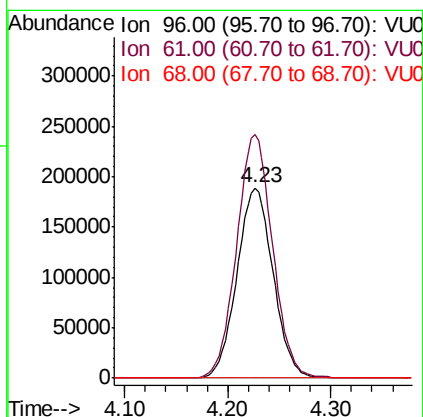
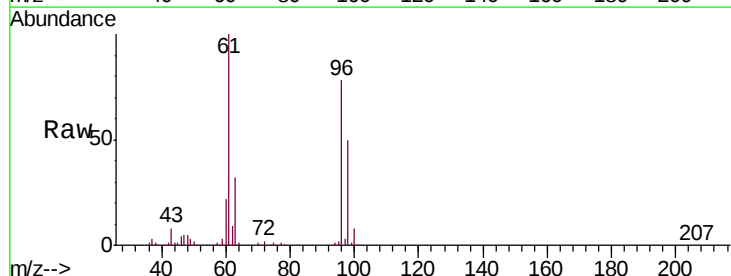
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20064

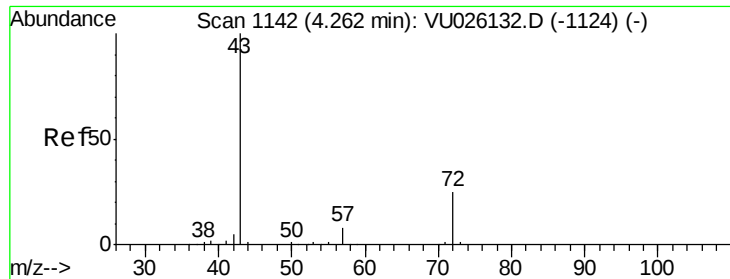
Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.1	22.1	41.1
83	13.6	9.4	17.4



#20
 cis-1,2-Dichloroethene
 Concen: 208.276 ug/L
 RT: 4.23 min Scan# 1131
 Delta R.T. -0.00 min
 Lab File: VU026134.D
 Acq: 15 Aug 2018 09:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	128.2	88.6	164.6
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 402.166 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU026134.D

Acq: 15 Aug 2018 09:36

Instrument :

MSVOA_U

ClientSampleId :

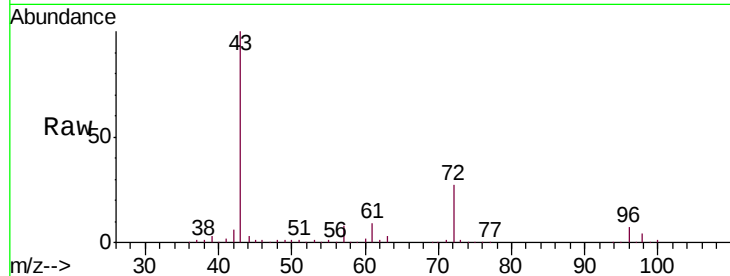
VSTD20064

Tgt Ion: 43 Resp: 649614

Ion Ratio Lower Upper

43 100

72 27.6 13.4 40.1



Abundance Ion 43.00 (42.70 to 43.70): VU026134.D (-1049) (-)

Ion 72.00 (71.70 to 72.70): VU026134.D (-1049) (-)

4.26

250000

200000

150000

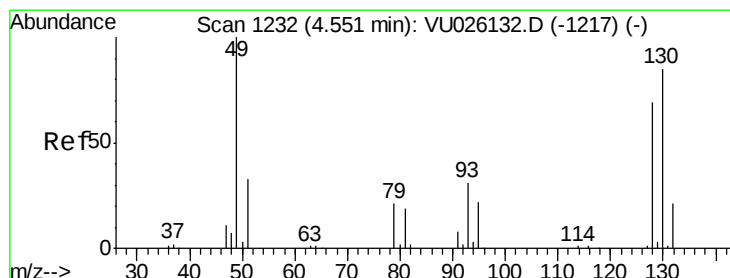
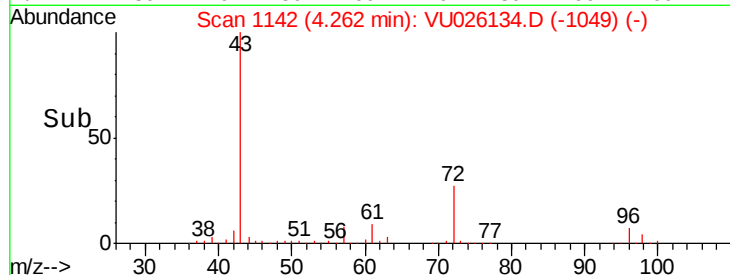
100000

50000

0

4.20 4.30 4.40

Time-->



#23

Bromochloromethane

Concen: 199.698 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU026134.D

Acq: 15 Aug 2018 09:36

Tgt Ion: 128 Resp: 238582

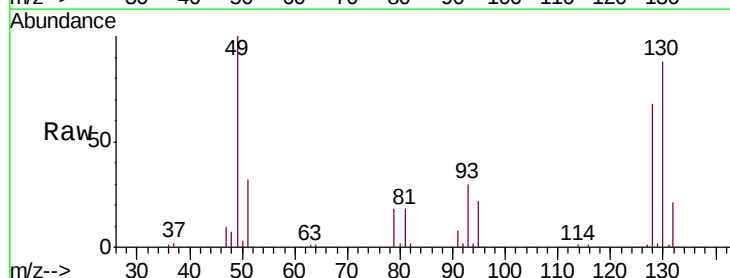
Ion Ratio Lower Upper

128 100

49 148.0 101.3 188.1

130 129.7 86.4 160.4

51 47.6 38.1 57.1



Abundance Ion 128.00 (127.70 to 128.70): VU026134.D (-1139) (-)

Ion 49.00 (48.70 to 49.70): VU026134.D (-1139) (-)

Ion 130.00 (129.70 to 130.70): VU026134.D (-1139) (-)

Ion 51.00 (50.70 to 51.70): VU026134.D (-1139) (-)

4.55

200000

150000

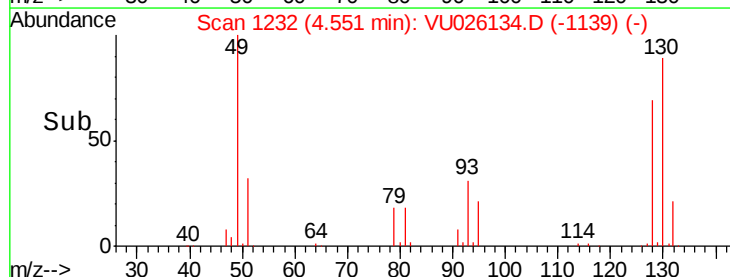
100000

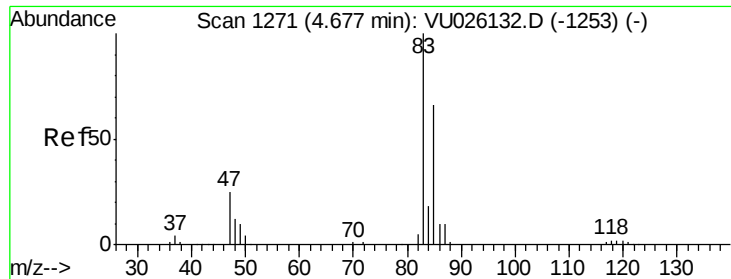
50000

0

4.50 4.60

Time-->

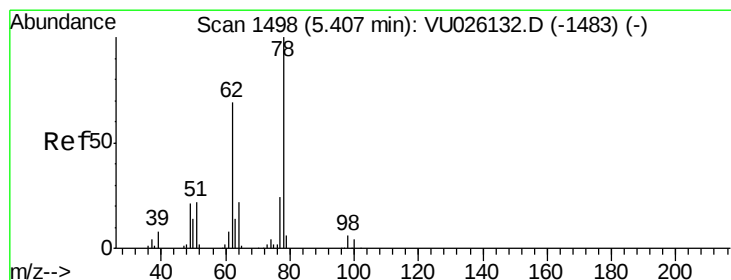
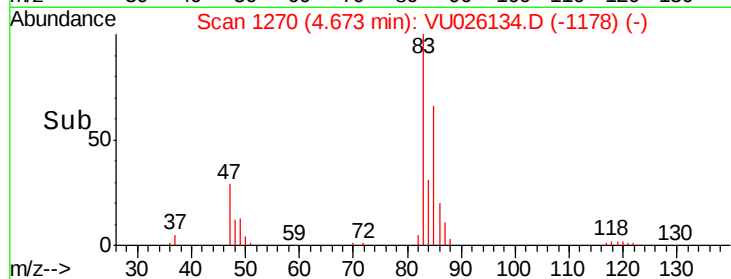
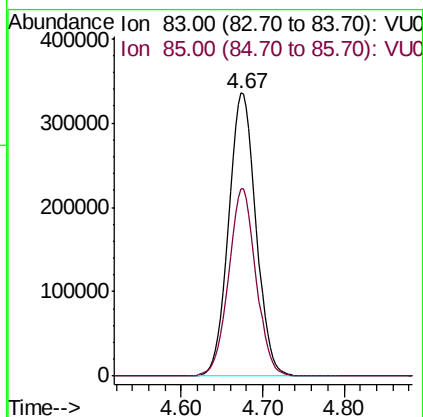
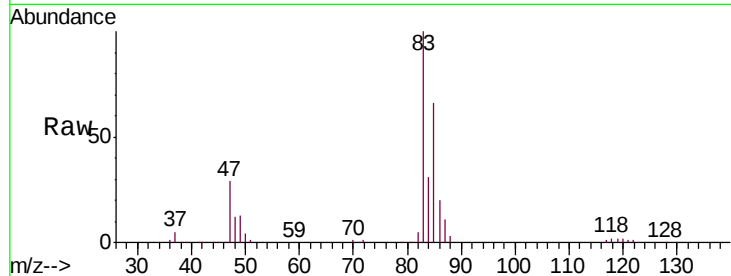




#25
Chloroform
Concen: 198.081 ug/L
RT: 4.67 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU026134.D
Acq: 15 Aug 2018 09:36

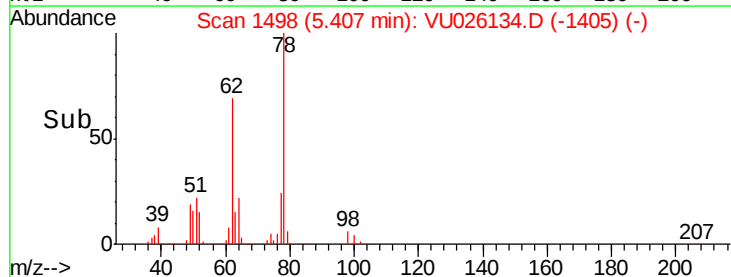
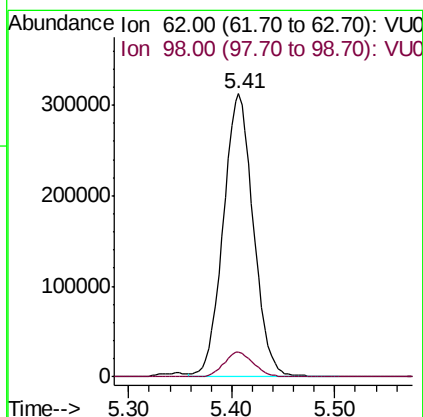
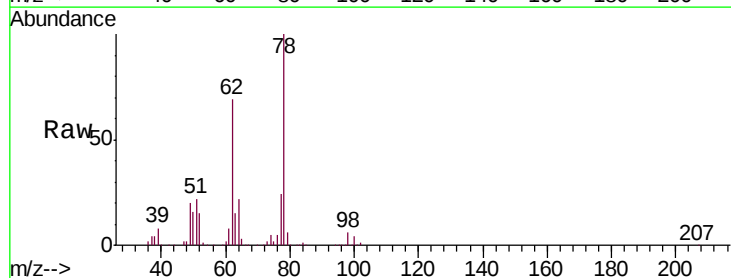
Instrument :
MSVOA_U
ClientSampleId :
VSTD20064

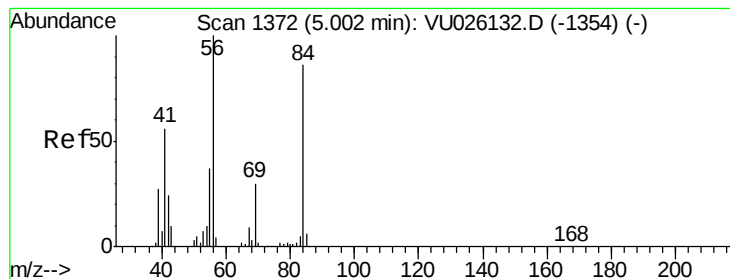
Tgt Ion: 83 Resp: 789168
Ion Ratio Lower Upper
83 100
85 66.4 46.3 86.1



#27
1,2-Dichloroethane
Concen: 196.889 ug/L
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU026134.D
Acq: 15 Aug 2018 09:36

Tgt Ion: 62 Resp: 634209
Ion Ratio Lower Upper
62 100
98 8.8 7.0 10.4





#29

Cyclohexane

Concen: 215.788 ug/L

RT: 5.00 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VU026134.D

Acq: 15 Aug 2018 09:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD20064

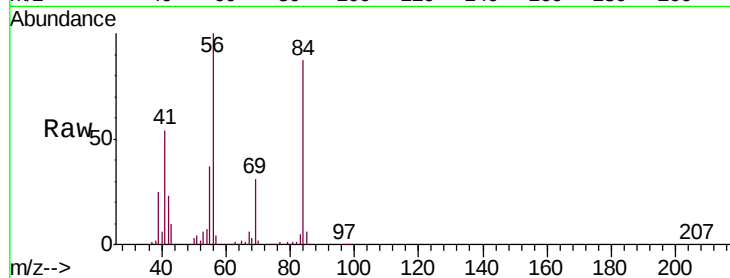
Tgt Ion: 56 Resp: 666288

Ion Ratio Lower Upper

56 100

69 30.6 24.1 36.1

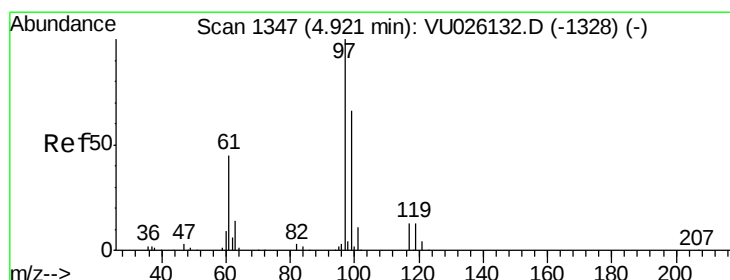
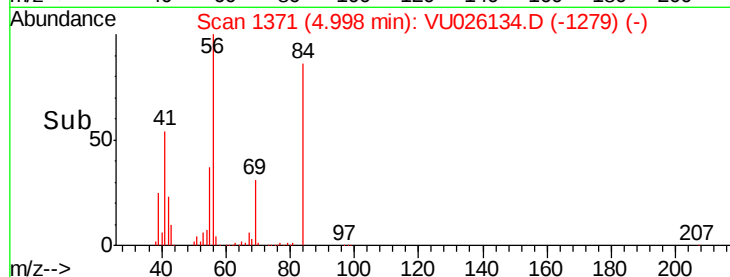
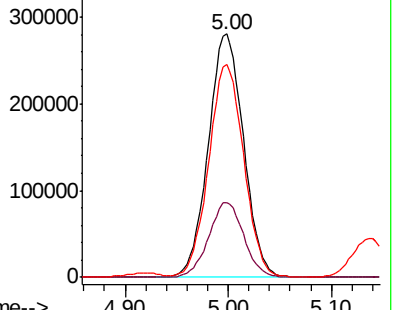
84 87.1 68.6 102.8



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#30

1,1,1-Trichloroethane

Concen: 193.228 ug/L

RT: 4.92 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VU026134.D

Acq: 15 Aug 2018 09:36

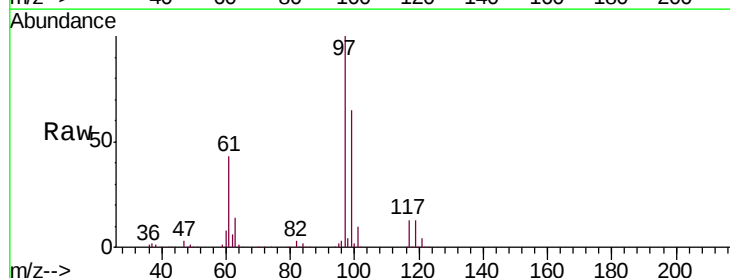
Tgt Ion: 97 Resp: 713425

Ion Ratio Lower Upper

97 100

99 64.7 52.2 78.2

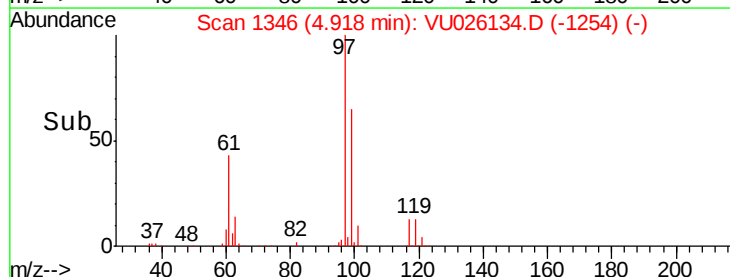
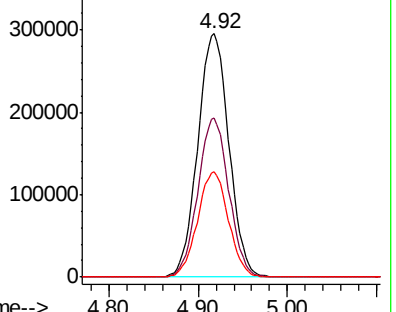
61 42.9 35.4 53.0

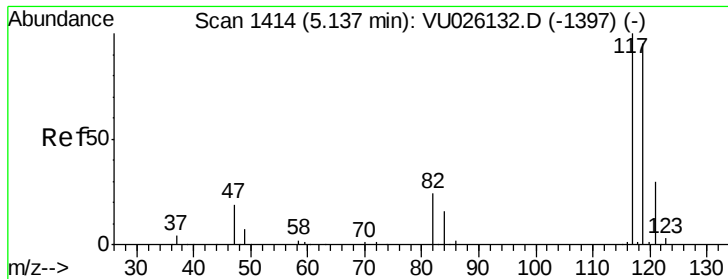


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

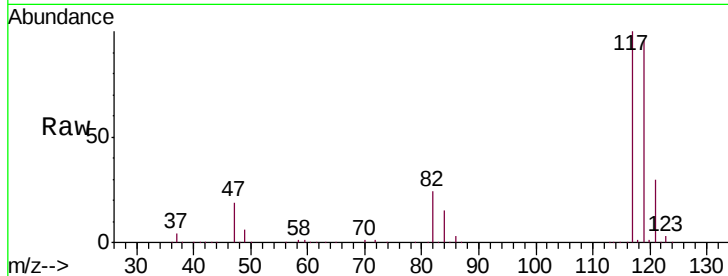




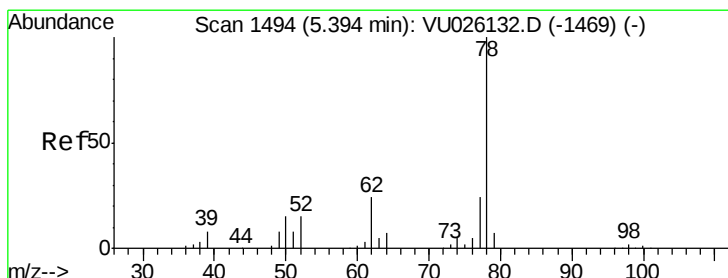
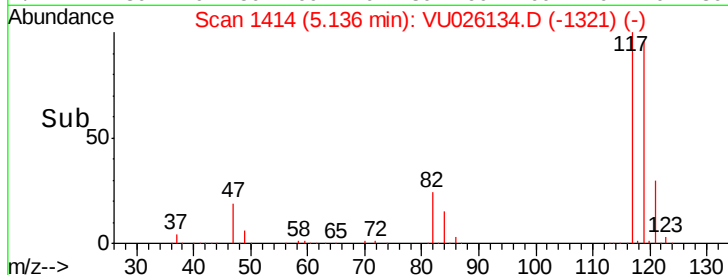
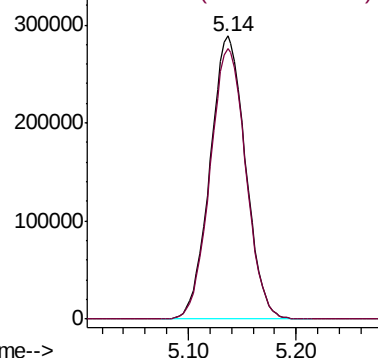
#31
Carbon tetrachloride
Concen: 197.452 ug/L
RT: 5.14 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VU026134.D
Acq: 15 Aug 2018 09:36

Instrument :
MSVOA_U
ClientSampleId :
VSTD20064

Tgt Ion:117 Resp: 660472
Ion Ratio Lower Upper
117 100
119 96.4 77.4 116.2

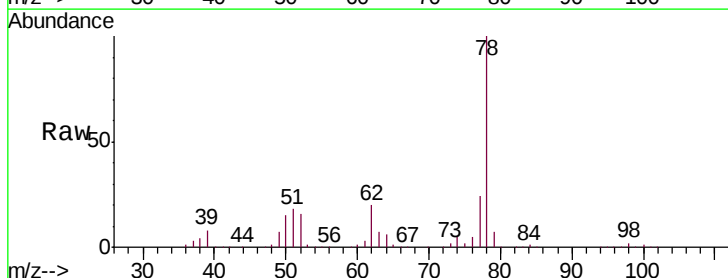


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V

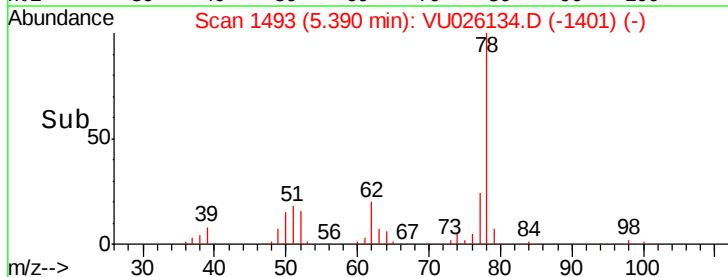
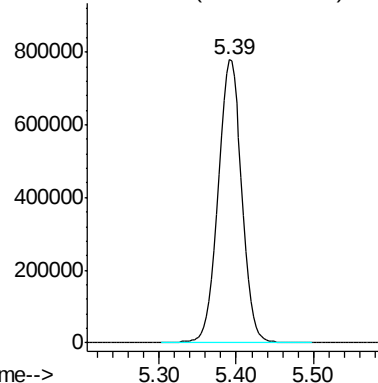


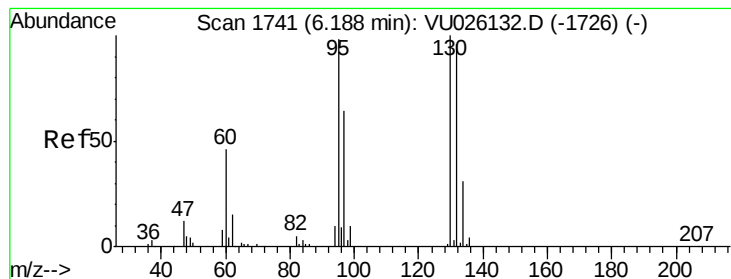
#33
Benzene
Concen: 198.925 ug/L
RT: 5.39 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VU026134.D
Acq: 15 Aug 2018 09:36

Tgt Ion: 78 Resp: 1664502



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 198.302 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU026134.D

Acq: 15 Aug 2018 09:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD20064

Tgt Ion: 95 Resp: 432260

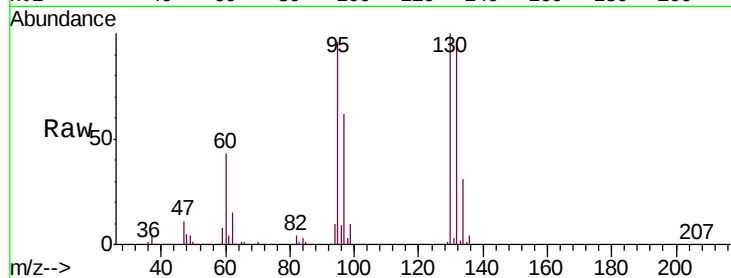
Ion Ratio Lower Upper

95 100

97 64.6 45.7 84.9

132 100.1 68.8 127.8

130 104.6 71.5 132.7

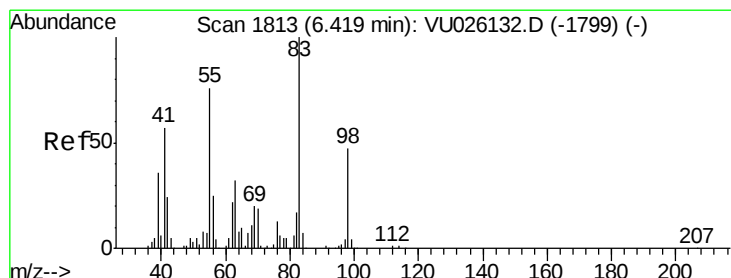
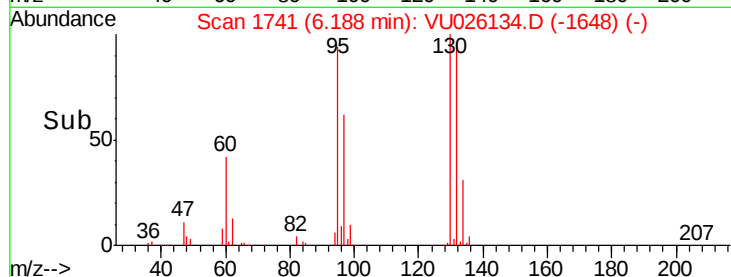
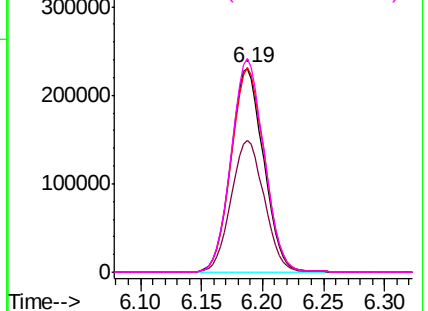


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 216.752 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VU026134.D

Acq: 15 Aug 2018 09:36

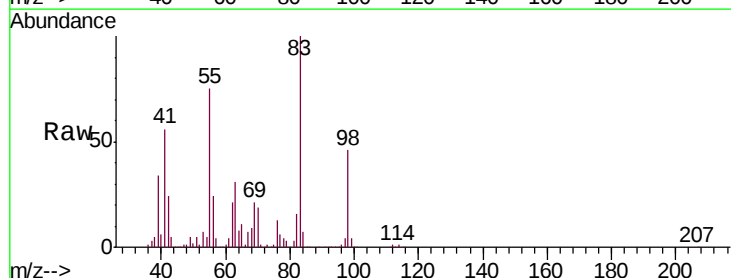
Tgt Ion: 83 Resp: 709253

Ion Ratio Lower Upper

83 100

55 75.0 61.0 91.6

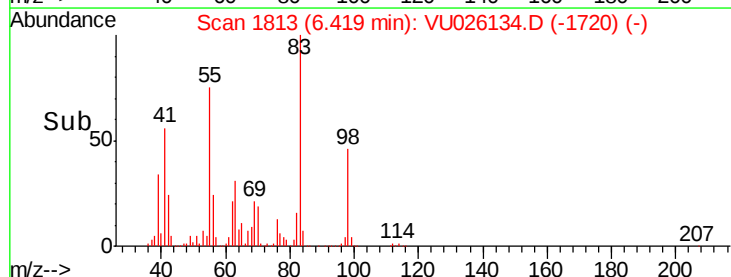
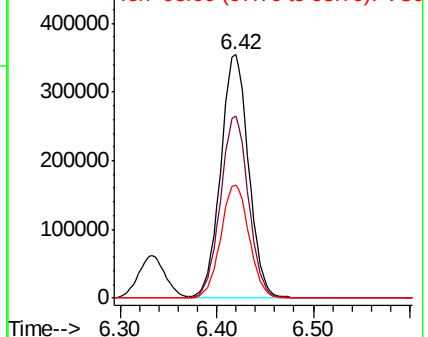
98 47.0 37.6 56.4

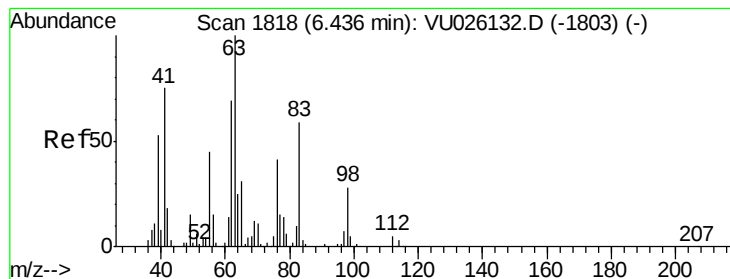


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 196.064 ug/L

RT: 6.44 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VU026134.D

Acq: 15 Aug 2018 09:36

Instrument :

MSVOA_U

ClientSampleId :

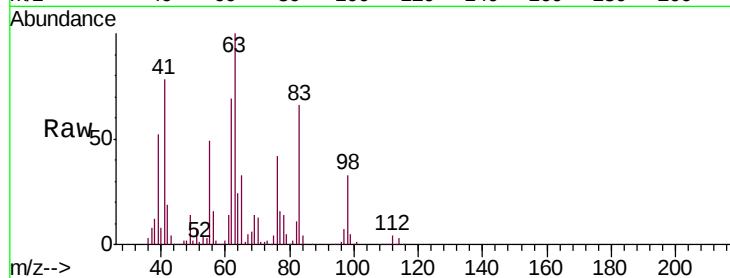
VSTD20064

Tgt Ion: 63 Resp: 458178

Ion Ratio Lower Upper

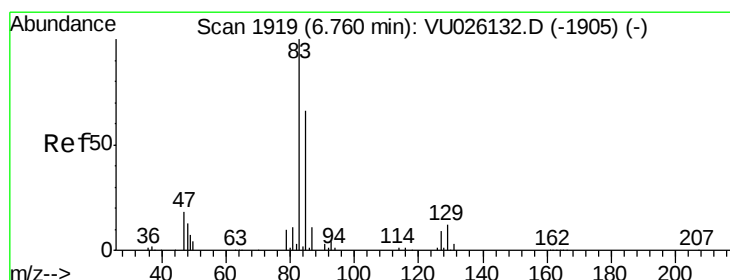
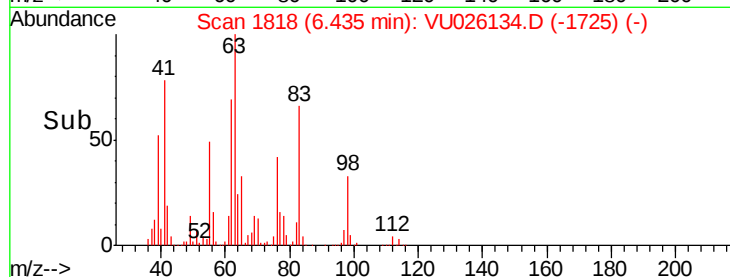
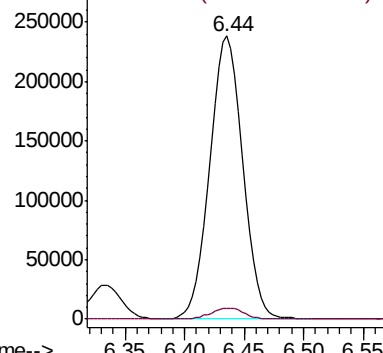
63 100

112 3.9 3.5 5.3



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V



#38

Bromodichloromethane

Concen: 201.012 ug/L

RT: 6.76 min Scan# 1918

Delta R.T. -0.00 min

Lab File: VU026134.D

Acq: 15 Aug 2018 09:36

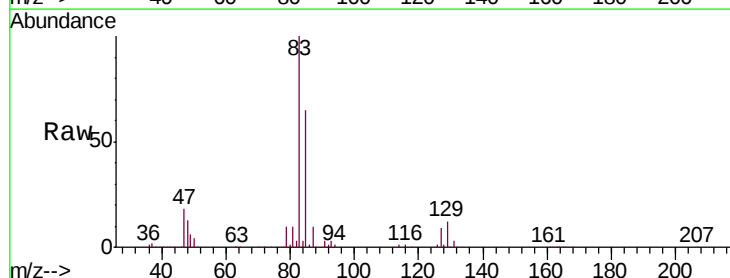
Tgt Ion: 83 Resp: 621944

Ion Ratio Lower Upper

83 100

85 64.6 46.0 85.4

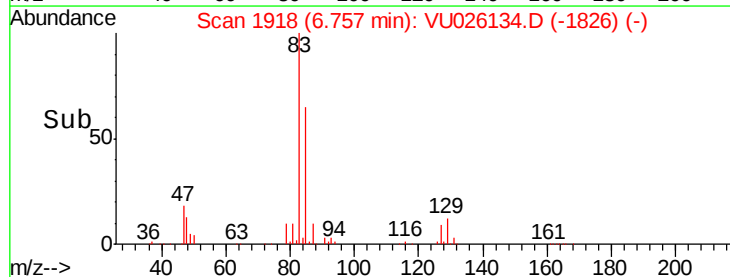
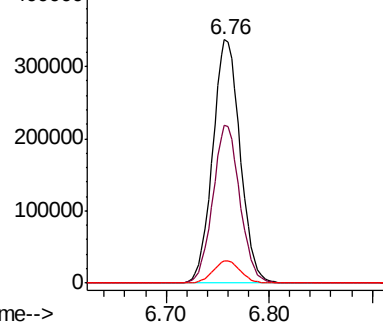
127 9.3 7.5 11.3

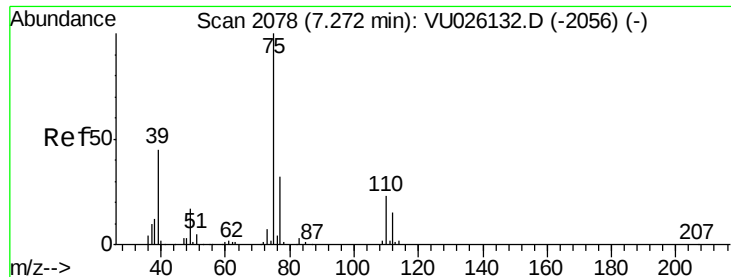


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 127.00 (126.70 to 127.70): V

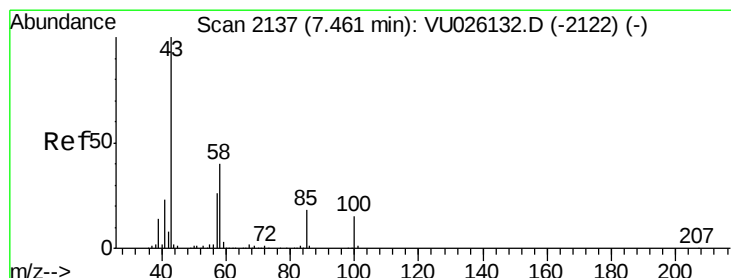
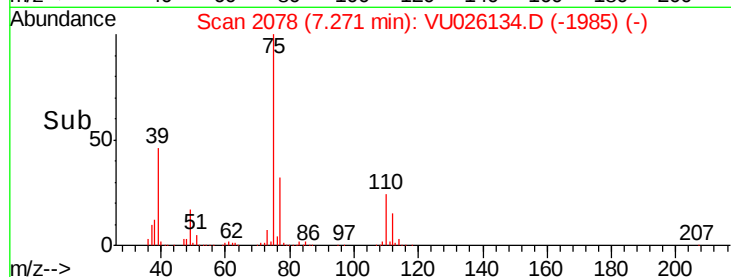
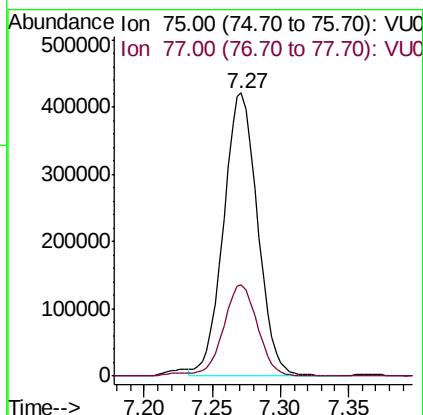
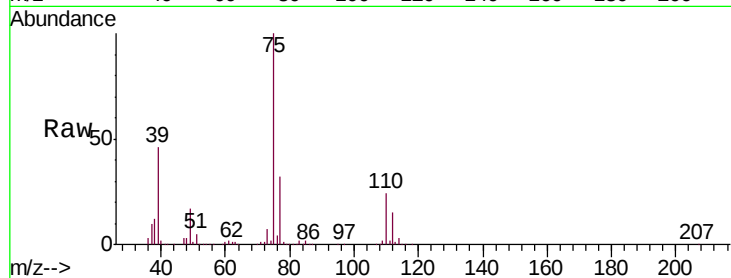




#39
 cis-1,3-Dichloropropene
 Concen: 210.764 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU026134.D
 Acq: 15 Aug 2018 09:36

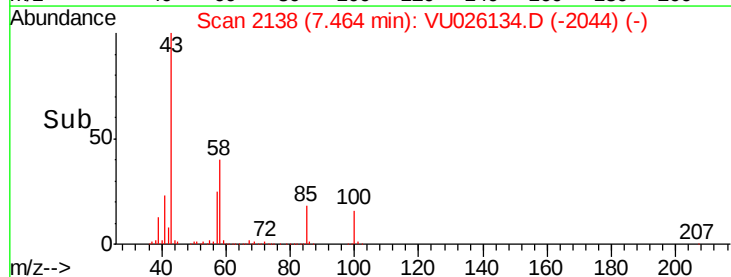
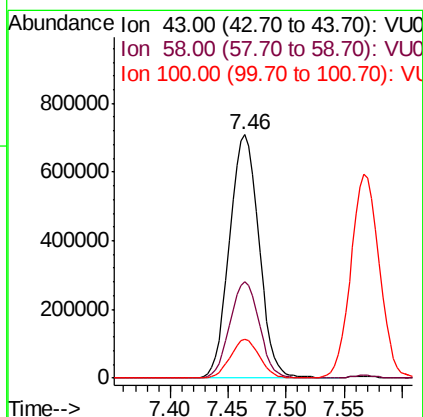
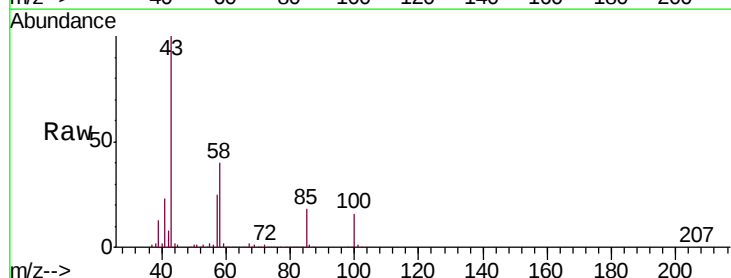
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20064

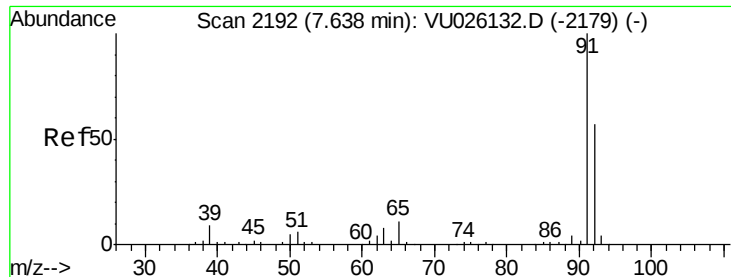
Tgt Ion: 75 Resp: 731142
 Ion Ratio Lower Upper
 75 100
 77 32.5 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 430.383 ug/L
 RT: 7.46 min Scan# 2138
 Delta R.T. 0.00 min
 Lab File: VU026134.D
 Acq: 15 Aug 2018 09:36

Tgt Ion: 43 Resp: 1247638
 Ion Ratio Lower Upper
 43 100
 58 39.5 31.8 47.8
 100 15.6 12.2 18.2





#42

Toluene

Concen: 206.883 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU026134.D

Acq: 15 Aug 2018 09:36

Instrument :

MSVOA_U

ClientSampleId :

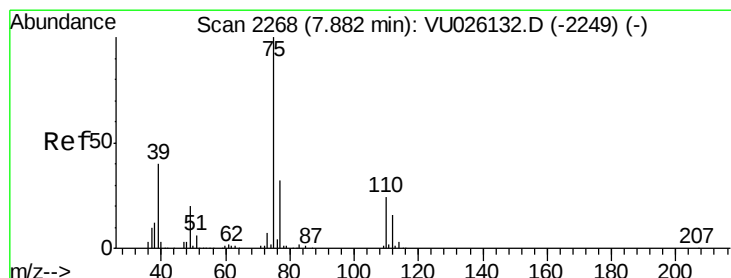
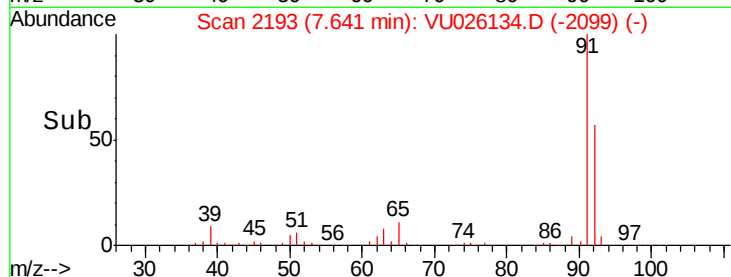
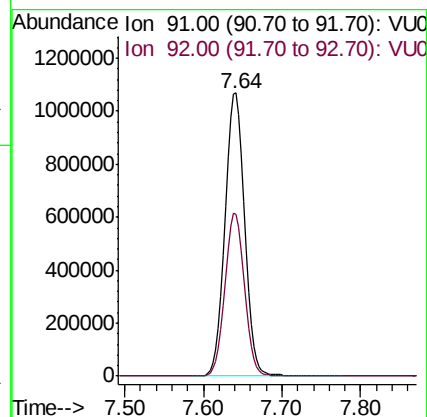
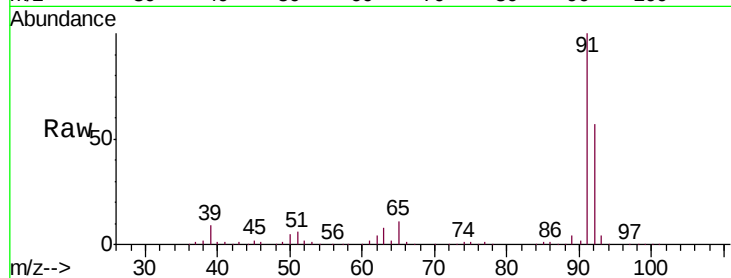
VSTD20064

Tgt Ion: 91 Resp: 1838409

Ion Ratio Lower Upper

91 100

92 57.2 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 213.865 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU026134.D

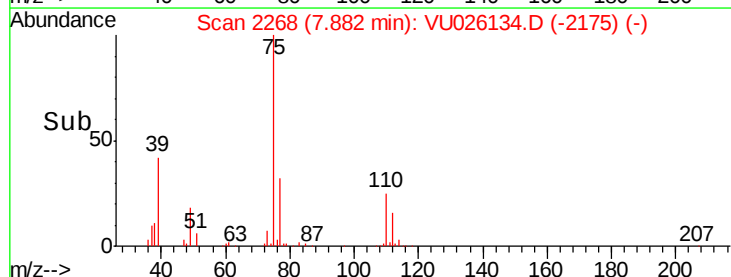
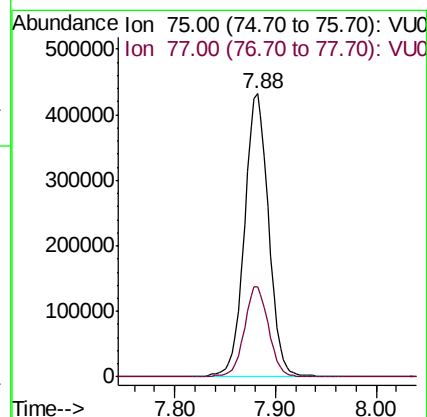
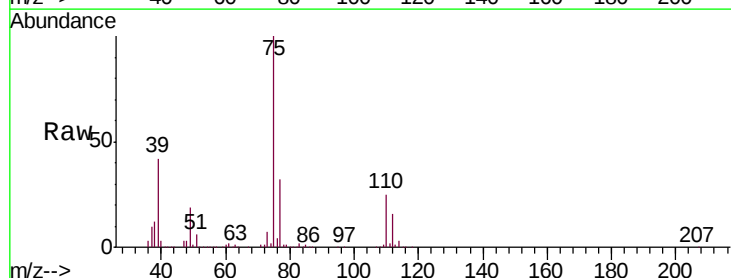
Acq: 15 Aug 2018 09:36

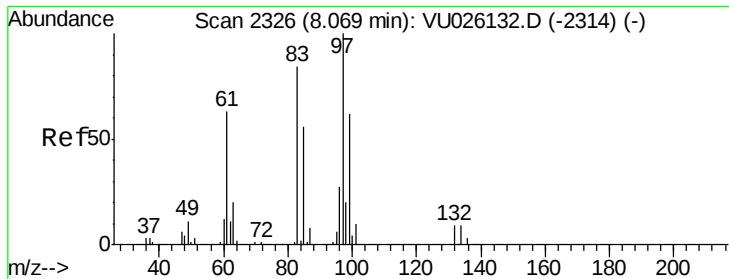
Tgt Ion: 75 Resp: 714858

Ion Ratio Lower Upper

75 100

77 31.9 22.0 41.0





#45

1,1,2-Trichloroethane

Concen: 197.054 ug/L

RT: 8.07 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VU026134.D

Acq: 15 Aug 2018 09:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD20064

Tgt Ion: 97 Resp: 436617

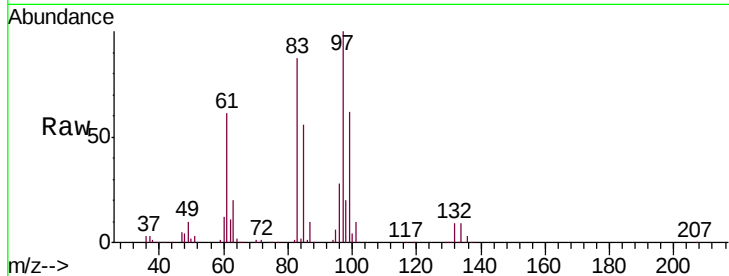
Ion Ratio Lower Upper

97 100

99 62.2 43.3 80.5

83 86.9 58.4 108.6

85 56.1 39.0 72.4

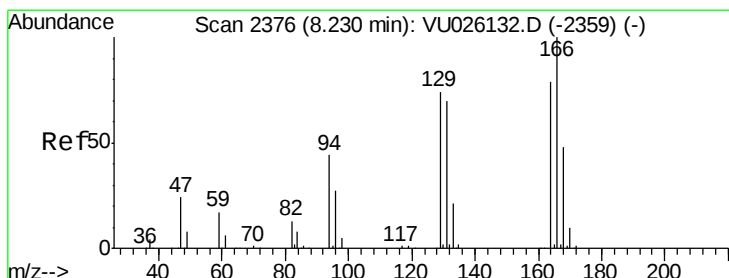
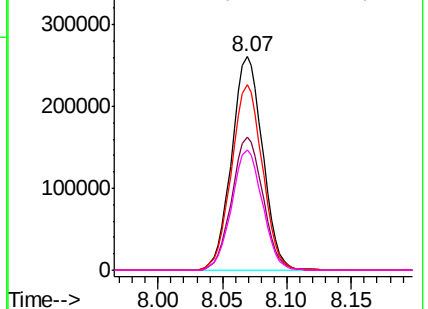
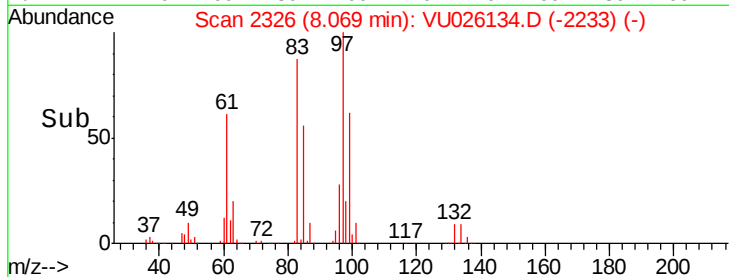


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 202.370 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU026134.D

Acq: 15 Aug 2018 09:36

Tgt Ion: 164 Resp: 380438

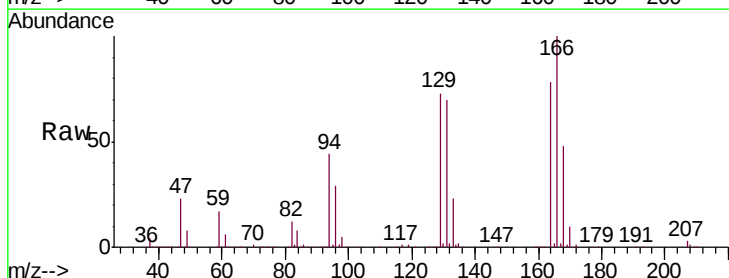
Ion Ratio Lower Upper

164 100

129 94.4 65.7 121.9

131 89.7 62.0 115.2

166 128.5 88.9 165.1

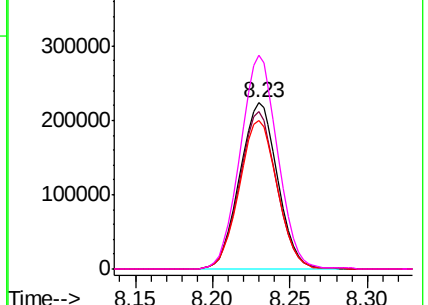
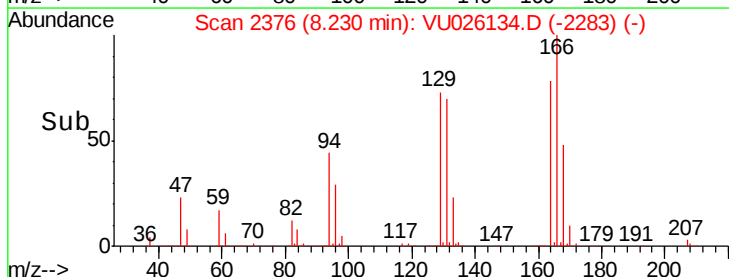


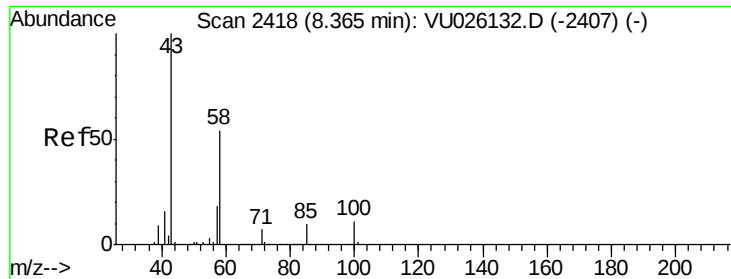
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

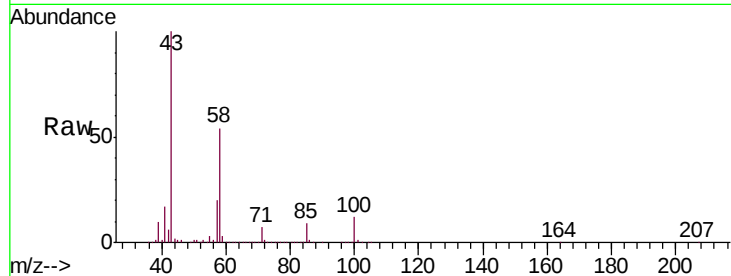




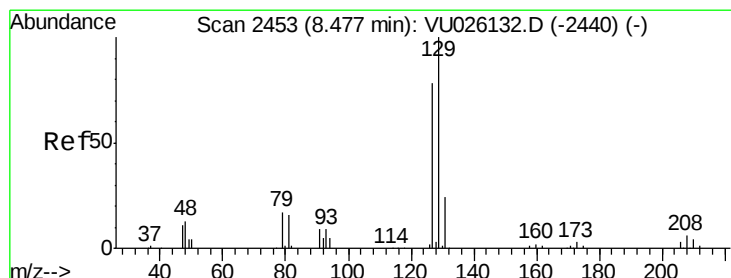
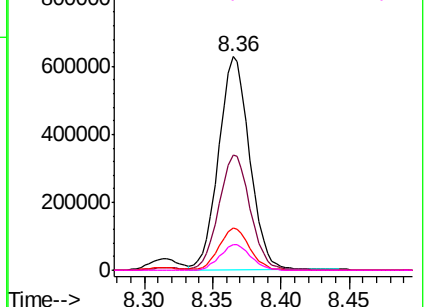
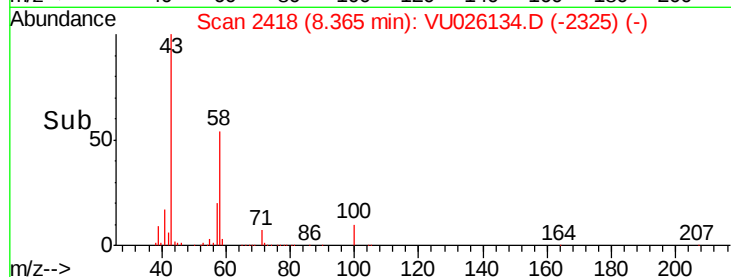
#48
2-Hexanone
Concen: 436.077 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU026134.D
Acq: 15 Aug 2018 09:36

Instrument :
MSVOA_U
ClientSampleId :
VSTD20064

Tgt Ion: 43 Resp: 990485
Ion Ratio Lower Upper
43 100
58 54.9 42.9 64.3
57 19.5 15.1 22.7
100 11.9 9.2 13.8

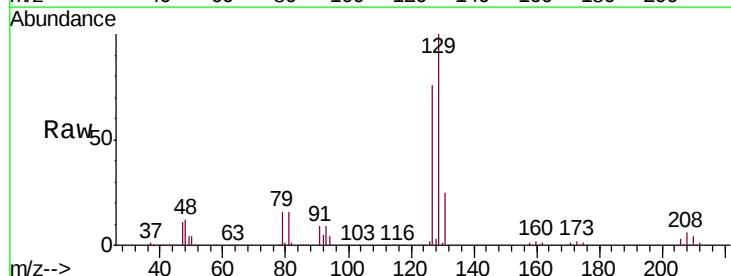


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

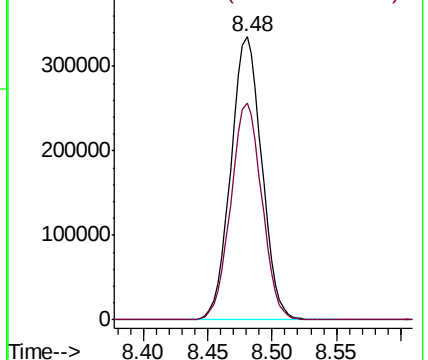
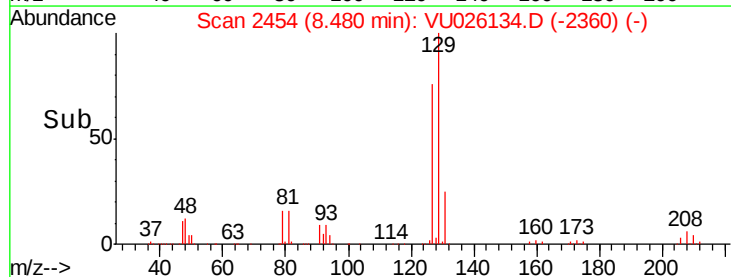


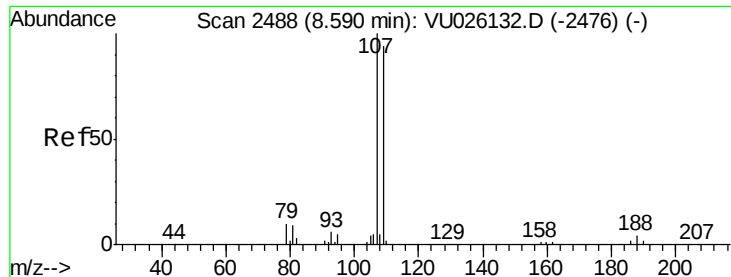
#49
Dibromochloromethane
Concen: 209.580 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU026134.D
Acq: 15 Aug 2018 09:36

Tgt Ion: 129 Resp: 559278
Ion Ratio Lower Upper
129 100
127 76.4 54.6 101.4



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

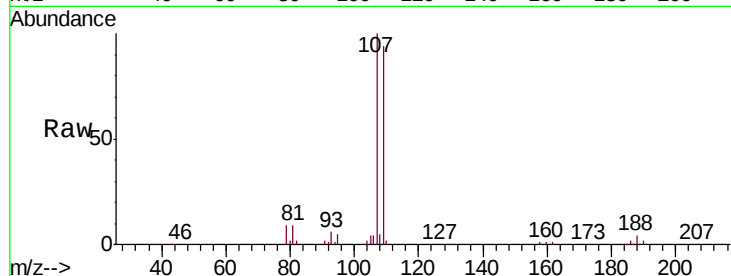




#50
 1,2-Dibromoethane
 Concen: 208.671 ug/L
 RT: 8.59 min Scan# 2488
 Delta R.T. -0.00 min
 Lab File: VU026134.D
 Acq: 15 Aug 2018 09:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20064

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.9	66.1	122.7
188	3.9	3.2	4.8

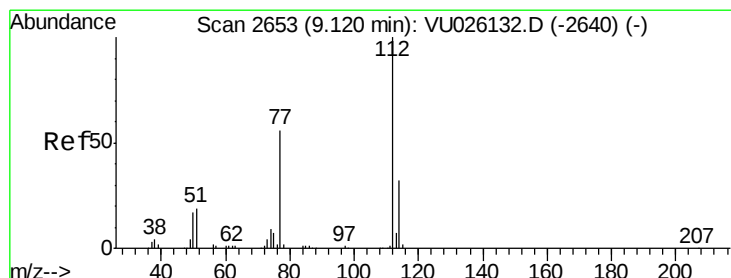
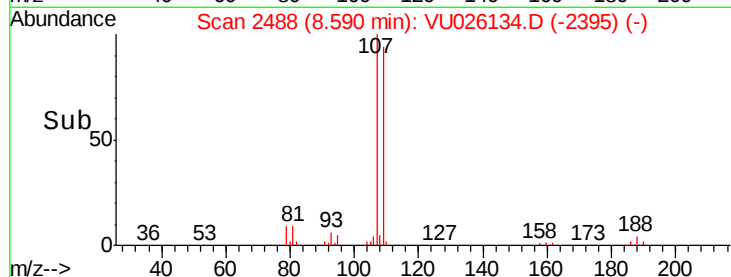
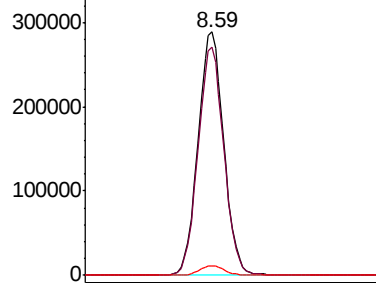


Abundance

Ion 107.00 (106.70 to 107.70): V

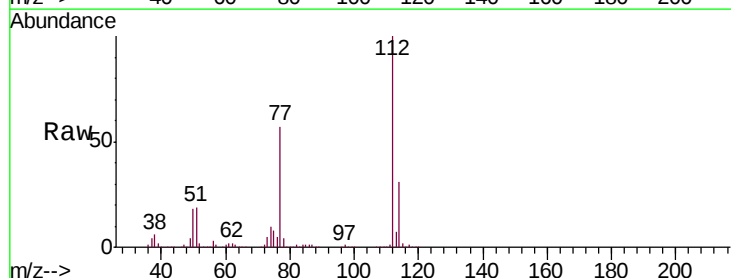
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51
 Chlorobenzene
 Concen: 205.736 ug/L
 RT: 9.12 min Scan# 2653
 Delta R.T. -0.00 min
 Lab File: VU026134.D
 Acq: 15 Aug 2018 09:36

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.4	22.5	41.9
77	56.6	45.0	67.4

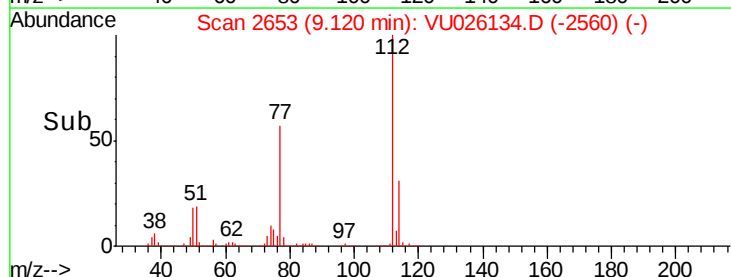
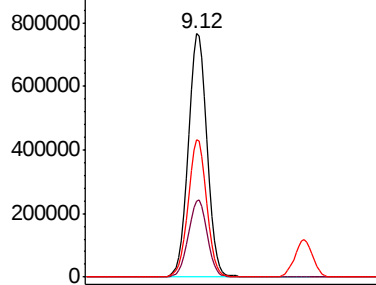


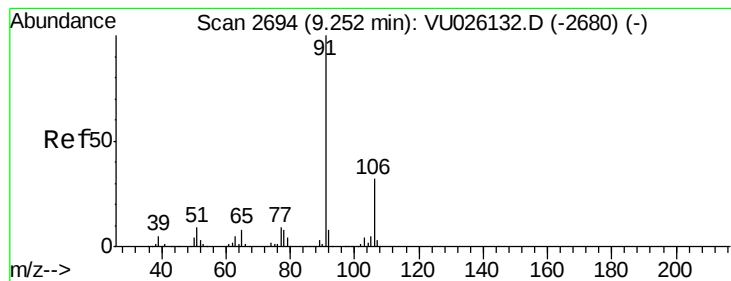
Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU





#52

Ethylbenzene

Concen: 217.246 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU026134.D

Acq: 15 Aug 2018 09:36

Instrument :

MSVOA_U

ClientSampleId :

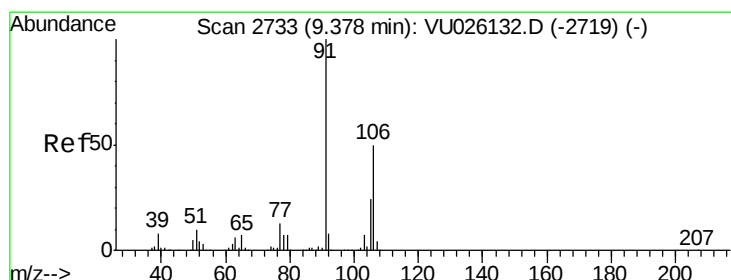
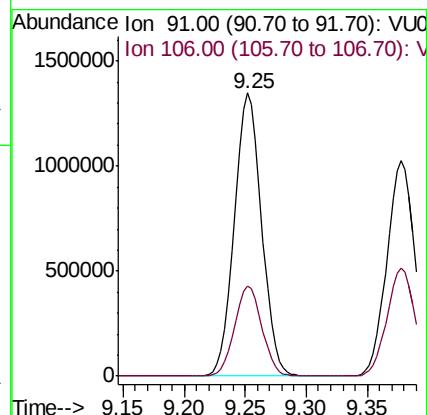
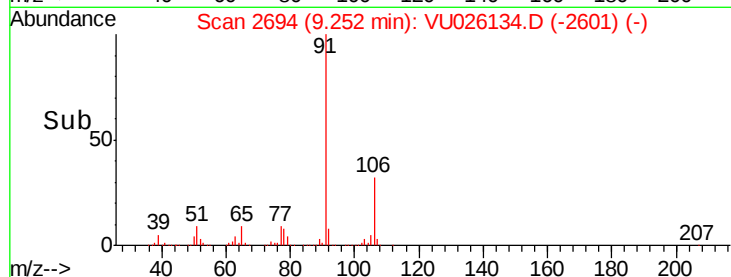
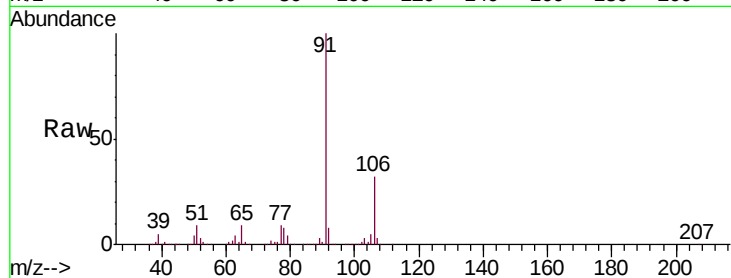
VSTD20064

Tgt Ion: 91 Resp: 2102922

Ion Ratio Lower Upper

91 100

106 32.0 22.3 41.5



#53

m,p-Xylene

Concen: 221.208 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU026134.D

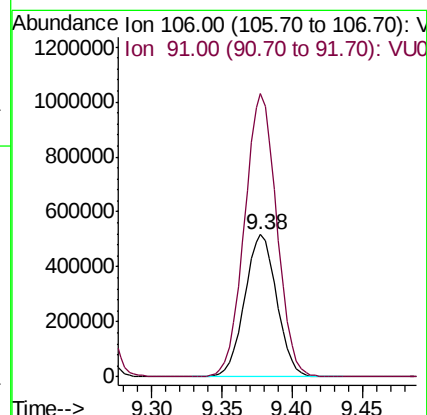
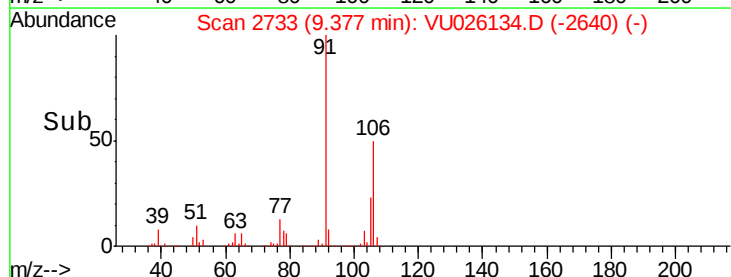
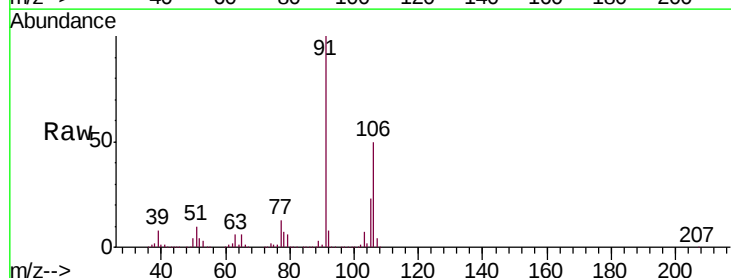
Acq: 15 Aug 2018 09:36

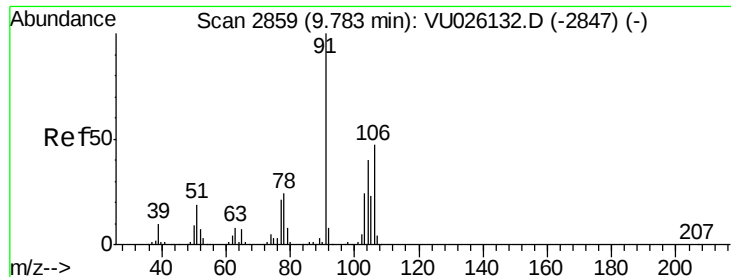
Tgt Ion: 106 Resp: 825161

Ion Ratio Lower Upper

106 100

91 199.0 139.2 258.4





#54

o-xylene

Concen: 220.578 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VU026134.D

Acq: 15 Aug 2018 09:36

Instrument :

MSVOA_U

ClientSampleId :

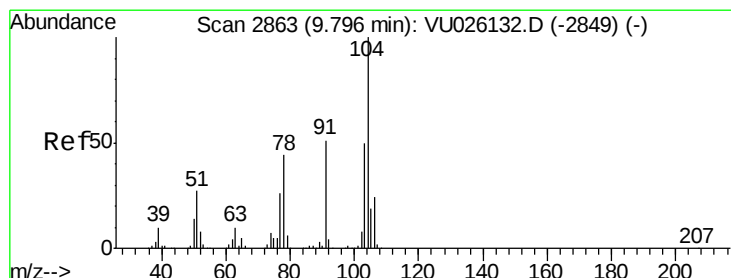
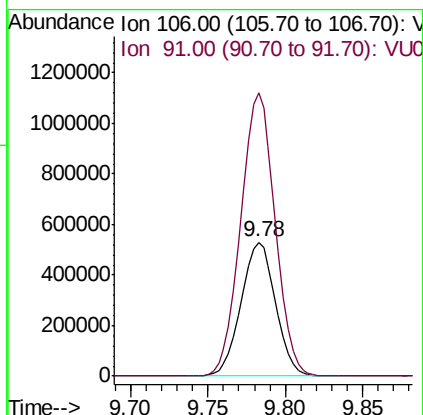
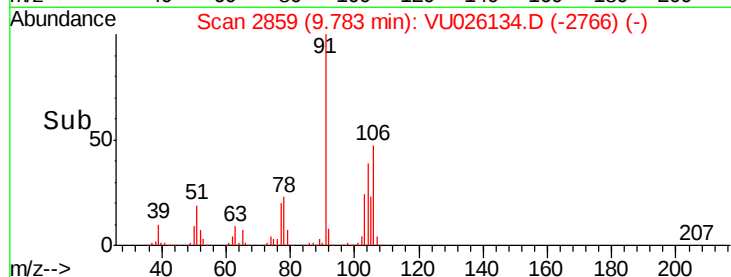
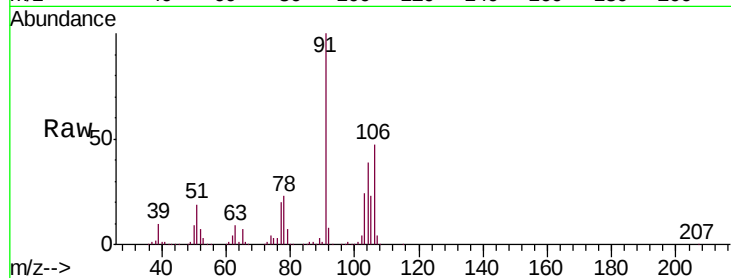
VSTD20064

Tgt Ion:106 Resp: 821041

Ion Ratio Lower Upper

106 100

91 211.5 148.0 274.8



#55

Styrene

Concen: 228.669 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VU026134.D

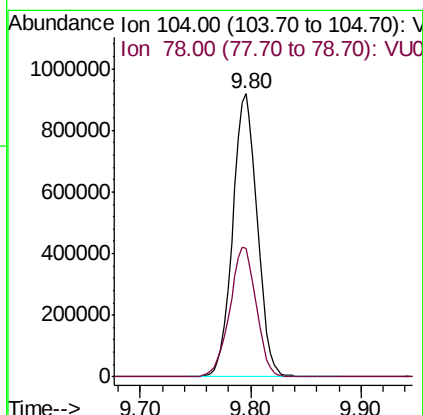
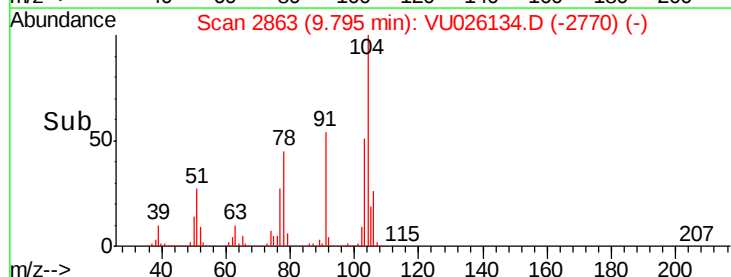
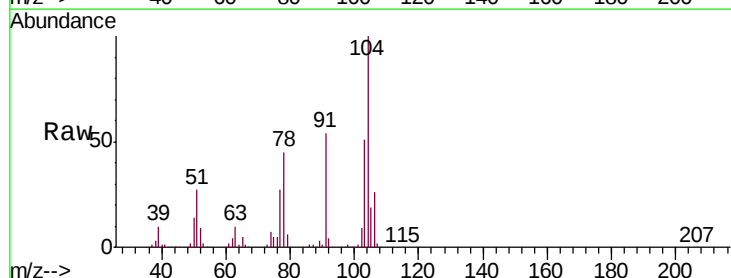
Acq: 15 Aug 2018 09:36

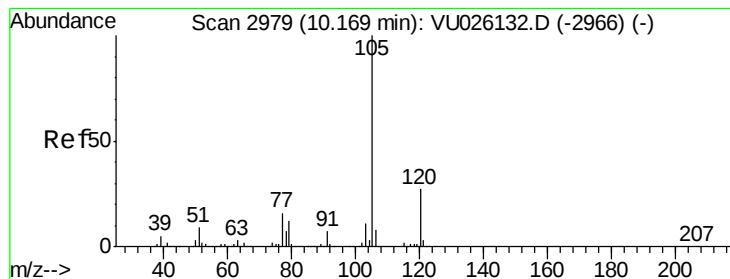
Tgt Ion:104 Resp: 1417177

Ion Ratio Lower Upper

104 100

78 45.3 30.9 57.5





#56

Isopropylbenzene

Concen: 226.322 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU026134.D

Acq: 15 Aug 2018 09:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD20064

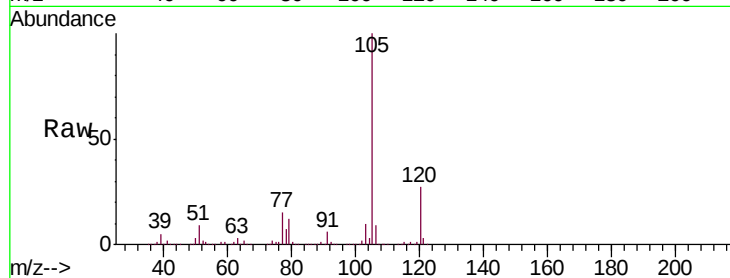
Tgt Ion:105 Resp: 2162829

Ion Ratio Lower Upper

105 100

120 27.1 21.5 32.3

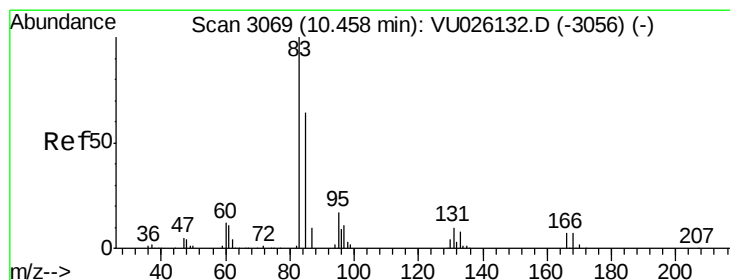
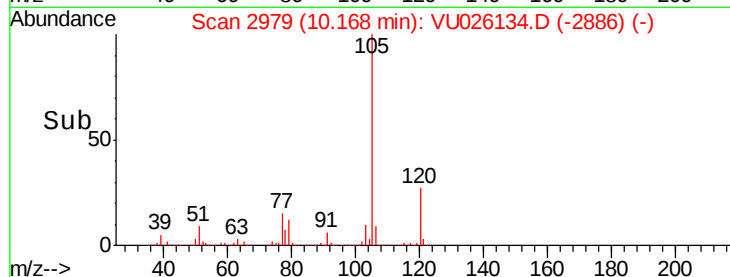
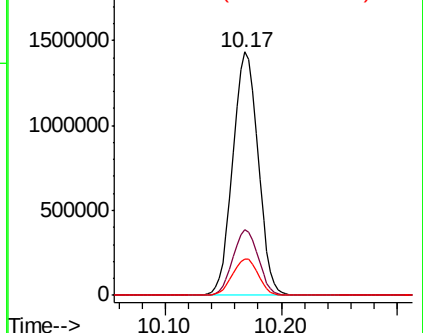
77 15.2 12.3 18.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 207.853 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU026134.D

Acq: 15 Aug 2018 09:36

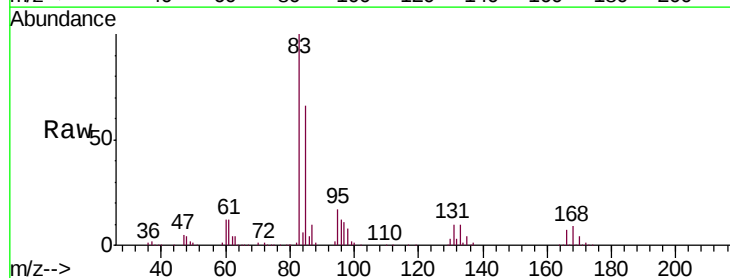
Tgt Ion: 83 Resp: 769102

Ion Ratio Lower Upper

83 100

85 65.6 45.0 83.6

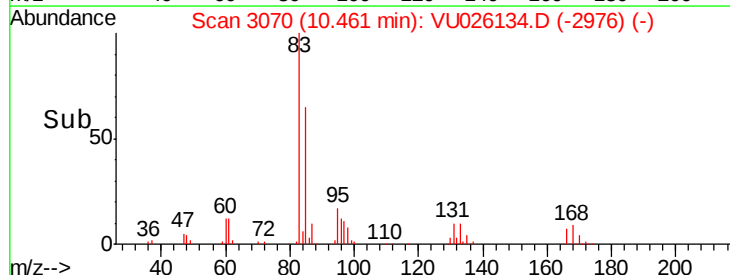
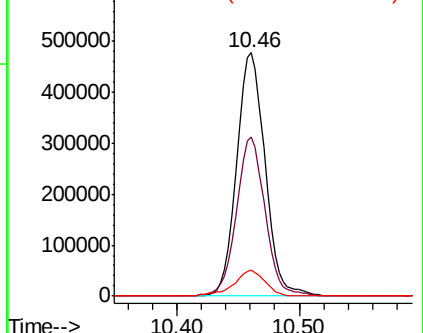
131 10.5 8.4 12.6

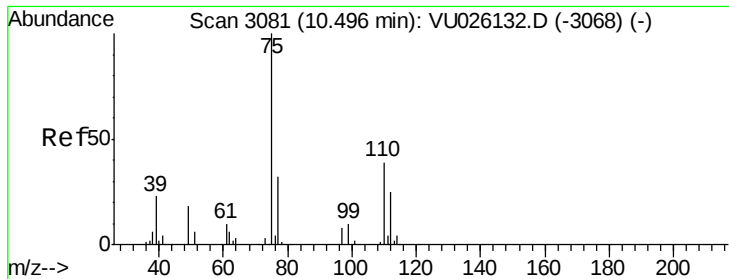


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

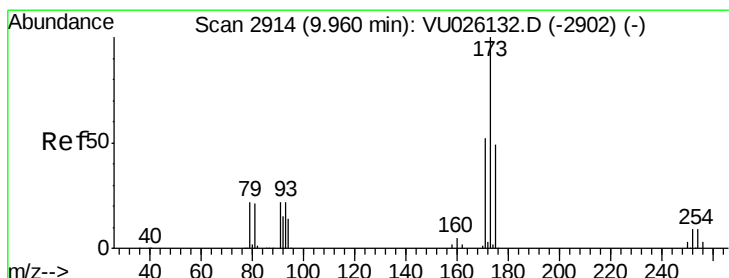
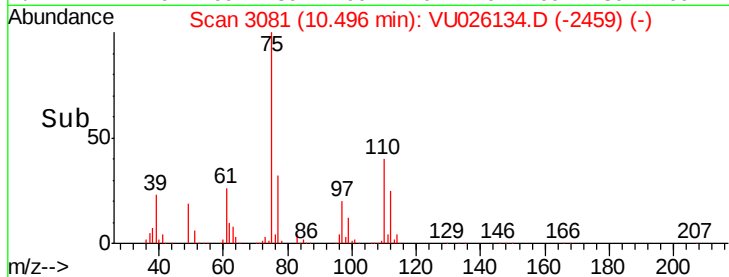
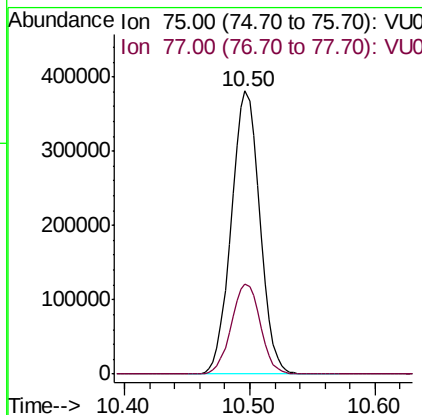
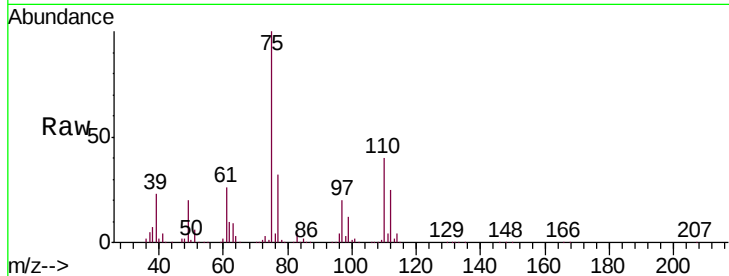




#59
 1,2,3-Trichloropropane
 Concen: 208.827 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU026134.D
 Acq: 15 Aug 2018 09:36

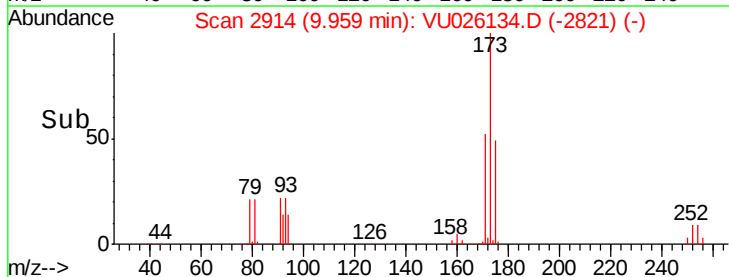
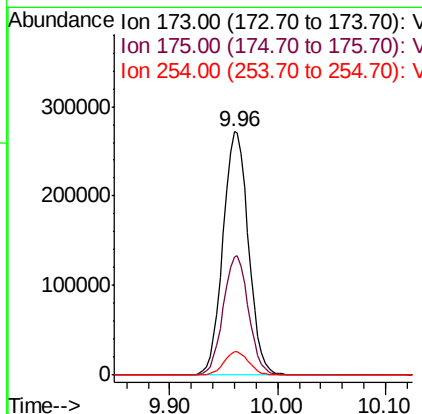
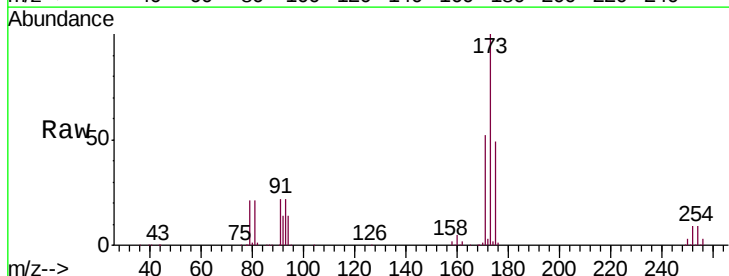
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20064

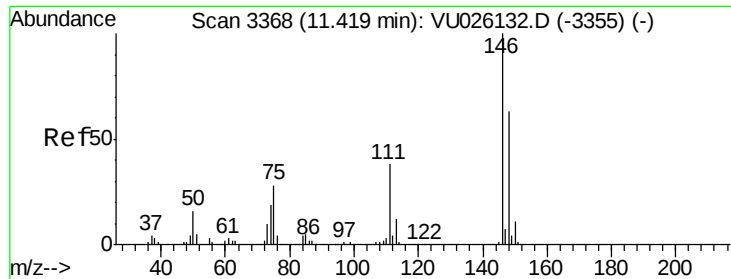
Tgt Ion: 75 Resp: 601172
 Ion Ratio Lower Upper
 75 100
 77 32.4 26.1 39.1



#61
 Bromoform
 Concen: 191.341 ug/L
 RT: 9.96 min Scan# 2914
 Delta R.T. -0.00 min
 Lab File: VU026134.D
 Acq: 15 Aug 2018 09:36

Tgt Ion: 173 Resp: 446174
 Ion Ratio Lower Upper
 173 100
 175 48.9 38.8 58.2
 254 9.3 7.3 10.9





#62

1,3-Dichlorobenzene

Concen: 199.832 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU026134.D

Acq: 15 Aug 2018 09:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD20064

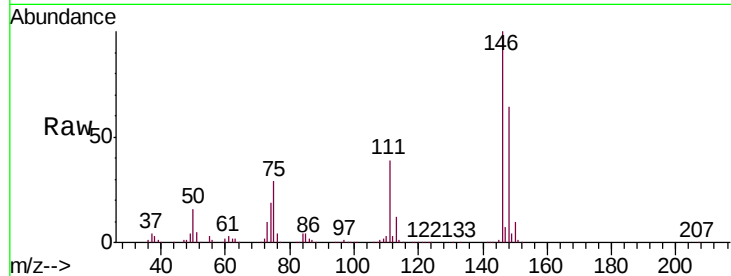
Tgt Ion:146 Resp: 1068040

Ion Ratio Lower Upper

146 100

111 39.1 26.7 49.7

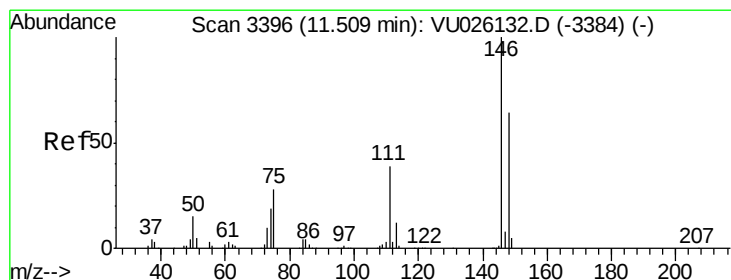
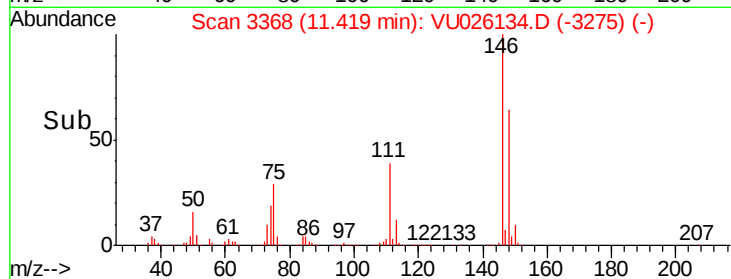
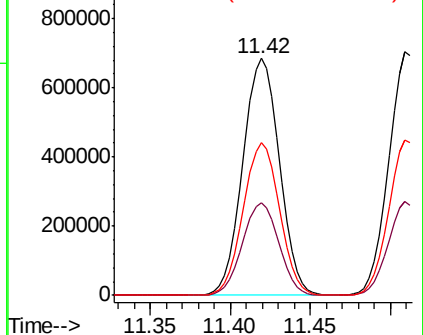
148 64.4 44.1 81.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 196.129 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VU026134.D

Acq: 15 Aug 2018 09:36

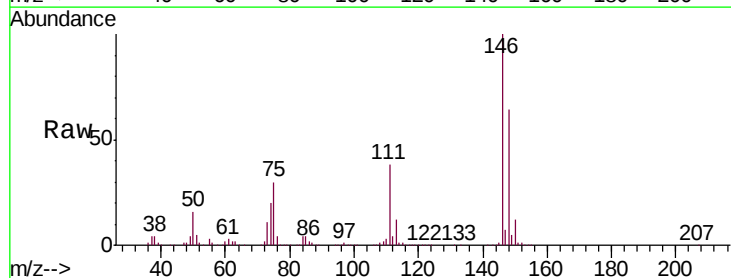
Tgt Ion:146 Resp: 1081041

Ion Ratio Lower Upper

146 100

111 38.3 27.5 51.1

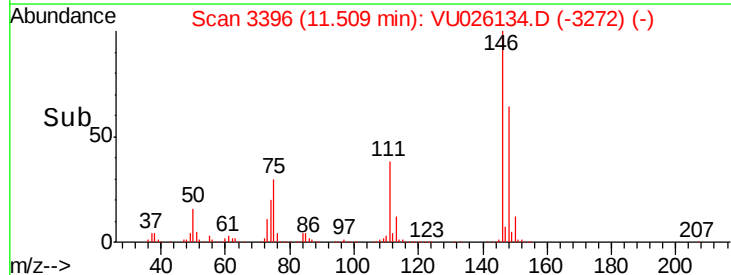
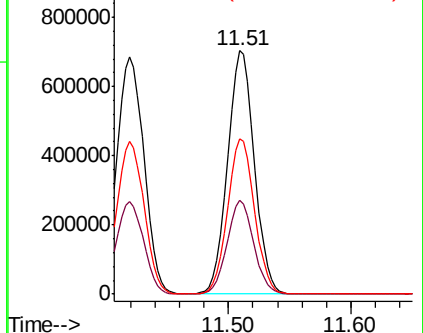
148 63.8 44.8 83.2

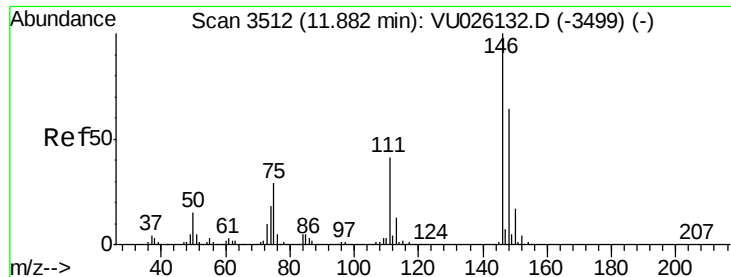


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

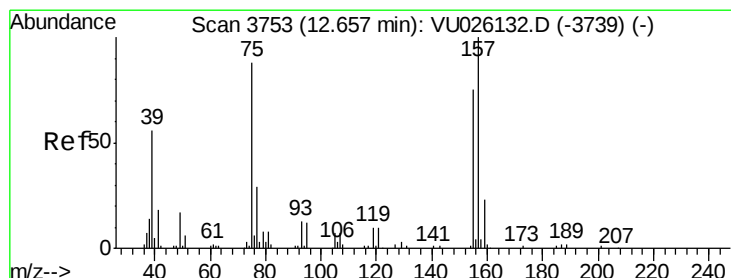
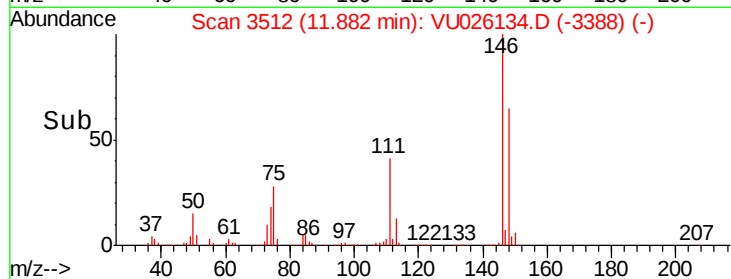
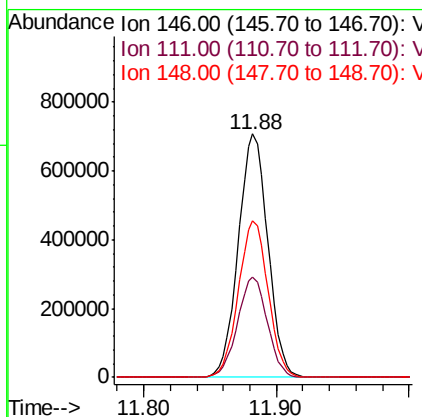
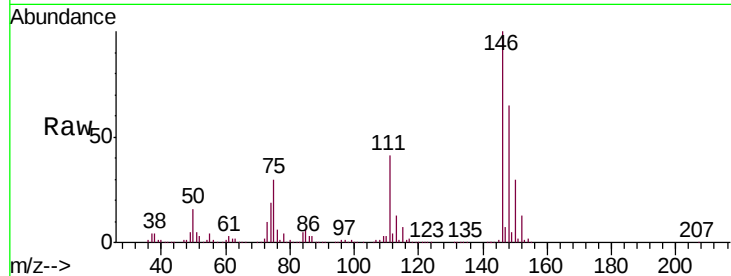




#65
 1,2-Dichlorobenzene
 Concen: 191.468 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU026134.D
 Acq: 15 Aug 2018 09:36

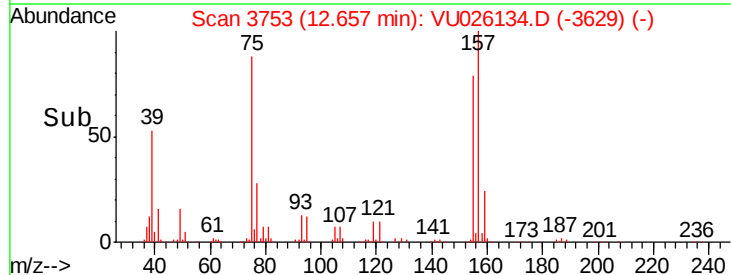
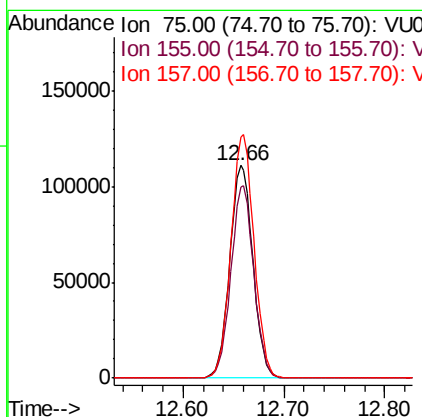
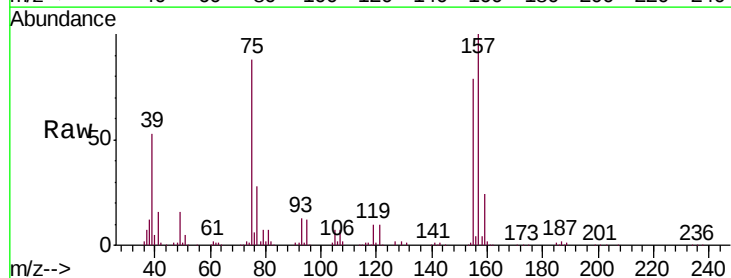
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20064

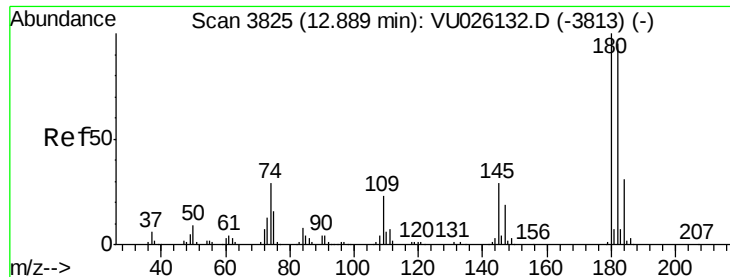
Tgt Ion:146 Resp: 1093667
 Ion Ratio Lower Upper
 146 100
 111 41.1 32.7 49.1
 148 64.6 51.4 77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 196.020 ug/L
 RT: 12.66 min Scan# 3753
 Delta R.T. -0.00 min
 Lab File: VU026134.D
 Acq: 15 Aug 2018 09:36

Tgt Ion: 75 Resp: 177524
 Ion Ratio Lower Upper
 75 100
 155 90.1 68.2 102.2
 157 113.7 90.5 135.7

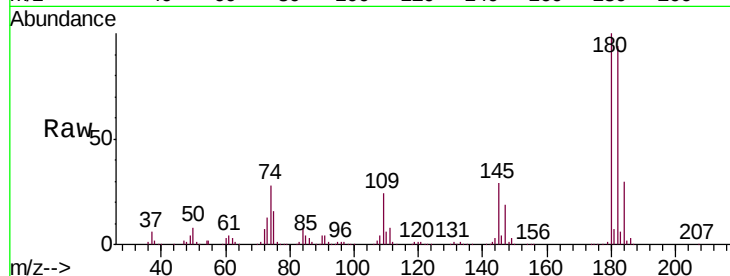




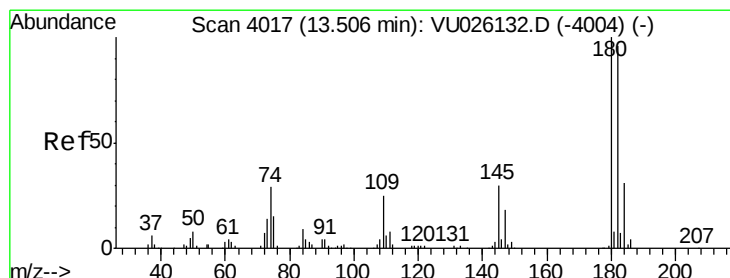
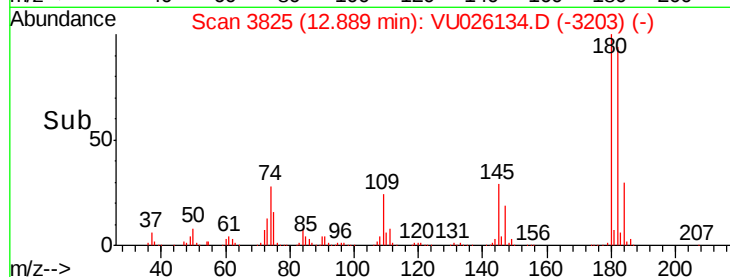
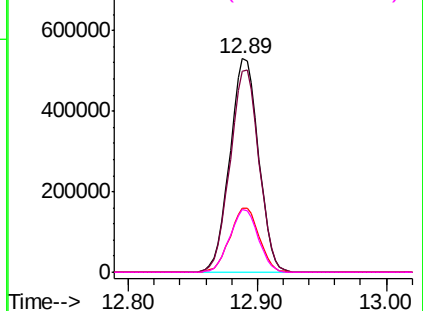
#67
 1,3,5-Trichlorobenzene
 Concen: 207.968 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. -0.00 min
 Lab File: VU026134.D
 Acq: 15 Aug 2018 09:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20064

Tgt Ion:	180	Resp:	820838
Ion	Ratio	Lower	Upper
180	100		
182	95.3	75.6	113.4
184	30.4	24.3	36.5
145	29.2	23.3	34.9

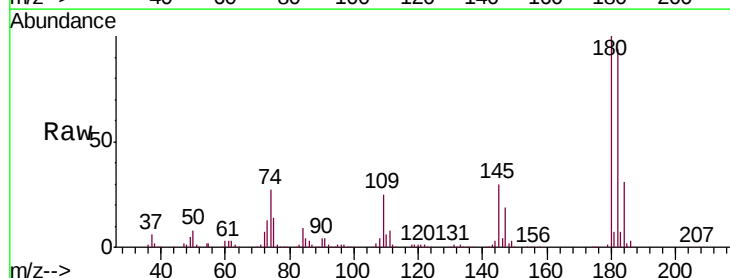


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

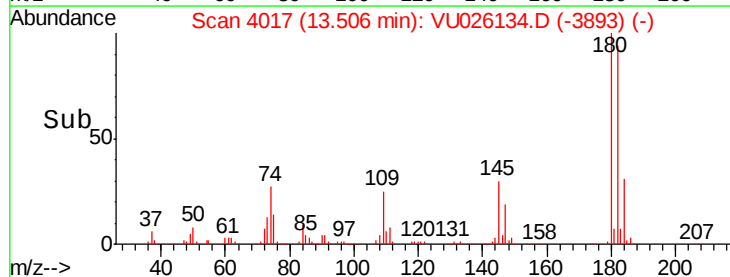
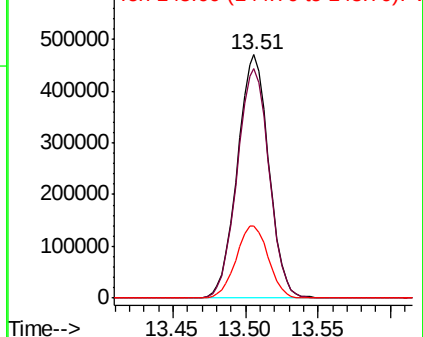


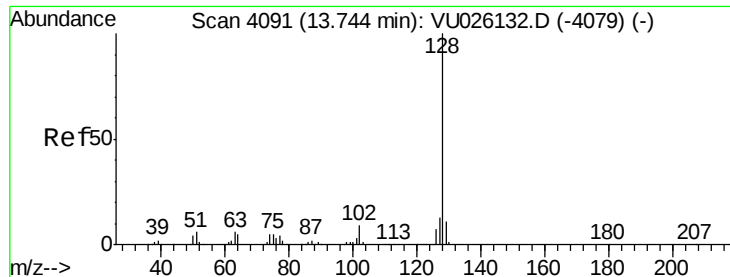
#68
 1,2,4-trichlorobenzene
 Concen: 236.795 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU026134.D
 Acq: 15 Aug 2018 09:36

Tgt Ion:	180	Resp:	708060
Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.8	115.2
145	30.3	23.8	35.6



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





#69

Naphthalene

Concen: 255.624 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. -0.00 min

Lab File: VU026134.D

Acq: 15 Aug 2018 09:36

Instrument :

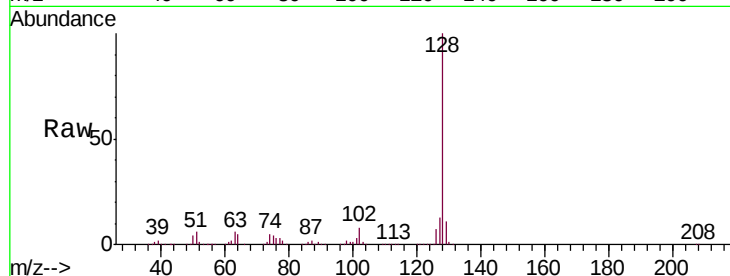
MSVOA_U

ClientSampleId :

VSTD20064

Tgt Ion:128 Resp: 2175284

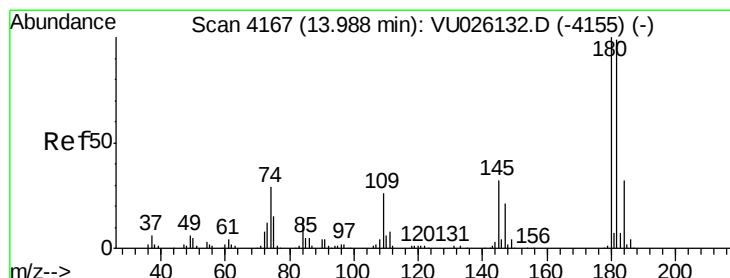
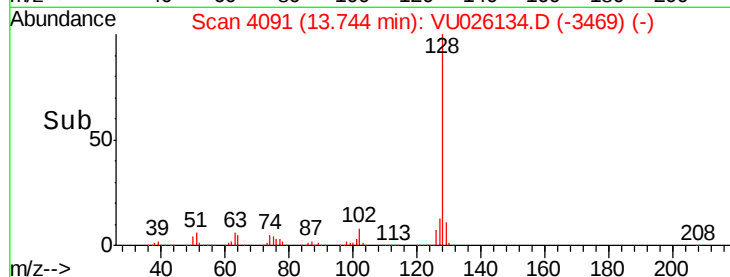
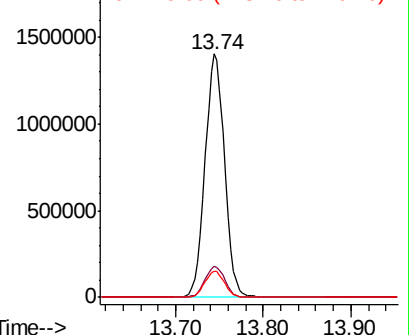
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.9	8.6	13.0



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: 226.252 ug/L

RT: 13.99 min Scan# 4167

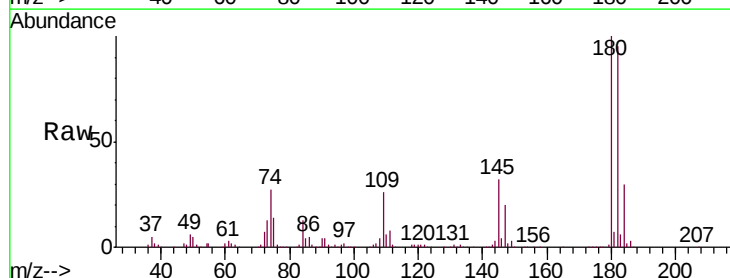
Delta R.T. -0.00 min

Lab File: VU026134.D

Acq: 15 Aug 2018 09:36

Tgt Ion:180 Resp: 725430

Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.1	115.7
145	31.6	25.1	37.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

