

Data File : VU026823.D
Acq On : 17 Sep 2018 14:23
Operator : MD/SY
Sample : VSTD20053
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD20053

Quant Time: Sep 18 01:00:10 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 18 00:50:30 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	271813	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	271391	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	154742	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	412366	205.09	ug/L	0.00
7) Chloroethane-d5	1.66	69	337559	196.14	ug/L	-0.02
11) 1,1-Dichloroethene-d2	2.27	63	769879	202.35	ug/L	0.00
21) 2-Butanone-d5	4.18	46	577894	433.10	ug/L	0.00
24) Chloroform-d	4.65	84	753254	201.96	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	460734	196.18	ug/L	0.00
32) Benzene-d6	5.34	84	1561307	205.28	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	494562	201.81	ug/L	0.00
41) Toluene-d8	7.57	98	1461258	212.66	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	240634	219.93	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	488814	507.52	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	707152	206.95	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	640857	199.08	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	500966	195.016	ug/L	99
3) Chloromethane	1.33	50	508798	194.173	ug/L	99
5) Vinyl chloride	1.40	62	517490	202.932	ug/L	99
6) Bromomethane	1.60	94	262911	208.741	ug/L	100
8) Chloroethane	1.68	64	302169	189.089	ug/L	98
9) Trichlorofluoromethane	1.88	101	623896	196.914	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	365495	194.740	ug/L	99
12) 1,1-Dichloroethene	2.28	96	352911	200.214	ug/L	95
13) Acetone	2.32	43	445581	339.748	ug/L	99
14) Carbon disulfide	2.47	76	1205153	198.126	ug/L	99
15) Methyl Acetate	2.61	43	443879	195.342	ug/L	99
16) Methylene chloride	2.70	84	434360	193.847	ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	393606	202.749	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	1225860	215.932	ug/L	100
19) 1,1-Dichloroethane	3.44	63	741954	198.152	ug/L	100
20) cis-1,2-Dichloroethene	4.22	96	452143	211.762	ug/L	99
22) 2-Butanone	4.26	43	661579	409.054	ug/L	99
23) Bromochloromethane	4.55	128	226296	196.295	ug/L	99
25) Chloroform	4.67	83	739786	195.065	ug/L	98
27) 1,2-Dichloroethane	5.40	62	576860	194.919	ug/L	100
29) Cyclohexane	5.00	56	708111	224.720	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	628293	194.598	ug/L	99
31) Carbon tetrachloride	5.13	117	564408	195.074	ug/L	100
33) Benzene	5.39	78	1676510	199.249	ug/L	100
34) Trichloroethene	6.19	95	407471	201.810	ug/L	99
35) Methylcyclohexane	6.42	83	731970	222.396	ug/L	100
37) 1,2-Dichloropropane	6.43	63	453448	196.181	ug/L	100
38) Bromodichloromethane	6.76	83	564723	197.015	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	730047	223.596	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	1223217	445.389	ug/L	98

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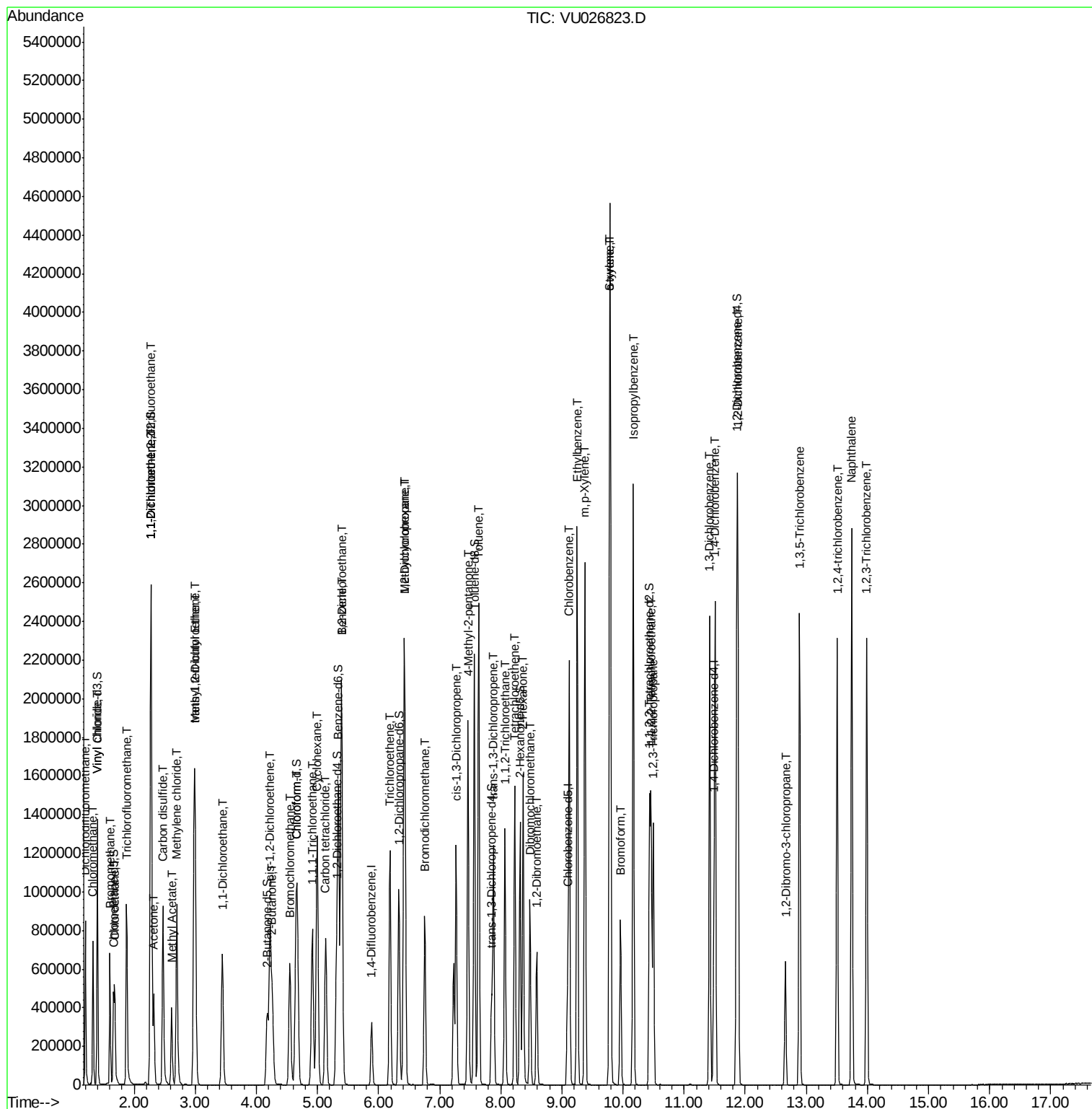
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	1776965	208.690	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	673563	220.327	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	415028	196.950	ug/L	99
46) Tetrachloroethene	8.23	164	362629	202.598	ug/L	99
48) 2-Hexanone	8.37	43	959548	433.137	ug/L	99
49) Dibromochloromethane	8.48	129	487681	204.446	ug/L	99
50) 1,2-Dibromoethane	8.59	107	446494	203.239	ug/L	96
51) Chlorobenzene	9.12	112	1179936	204.224	ug/L	99
52) Ethylbenzene	9.25	91	2001857	224.441	ug/L	100
53) m,p-Xylene	9.38	106	779095	227.219	ug/L	99
54) o-xylene	9.78	106	774471	231.818	ug/L	97
55) Styrene	9.79	104	1346280	233.406	ug/L	99
56) Isopropylbenzene	10.17	105	2002402	234.641	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	719002	202.858	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	556917	201.152	ug/L	100
61) Bromoform	9.96	173	386242	189.811	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	988211	209.489	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	1017637	195.913	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	1018271	194.950	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	150555	189.997	ug/L	91
67) 1,3,5-Trichlorobenzene	12.89	180	783865	214.735	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	719567	228.749	ug/L	100
69) Naphthalene	13.74	128	2236924	241.379	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	742705	214.402	ug/L	99

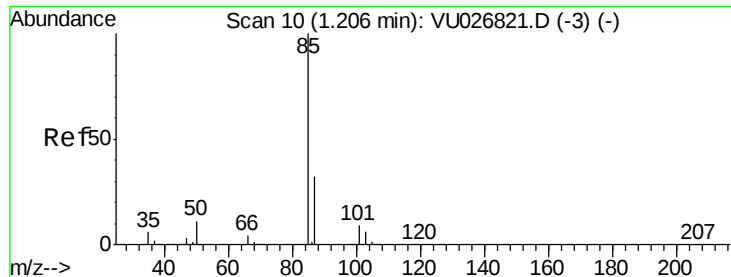
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 195.016 ug/L

RT: 1.20 min Scan# 9

Delta R.T. -0.00 min

Lab File: VU026823.D

Acq: 17 Sep 2018 14:23

Instrument :

MSVOA_U

ClientSampleId :

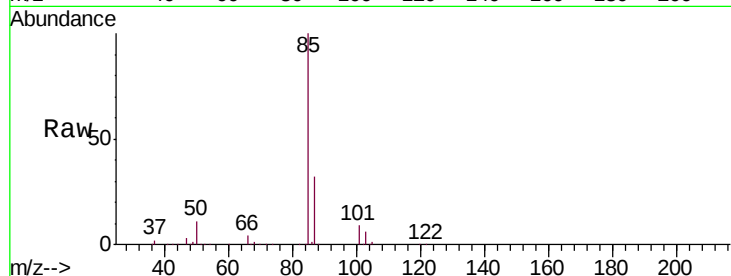
VSTD20053

Tgt Ion: 85 Resp: 500966

Ion Ratio Lower Upper

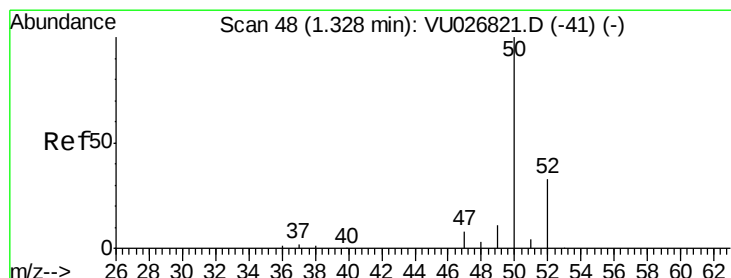
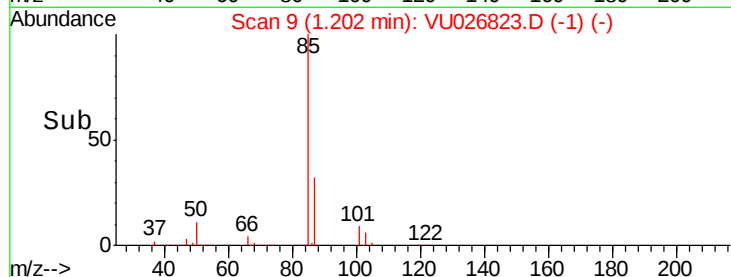
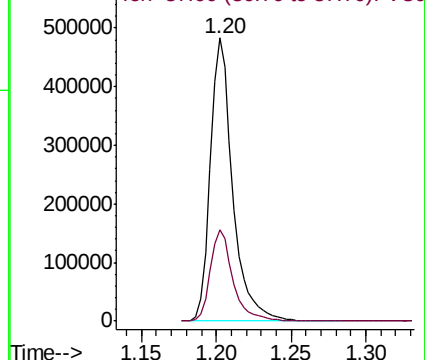
85 100

87 32.6 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 194.173 ug/L

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU026823.D

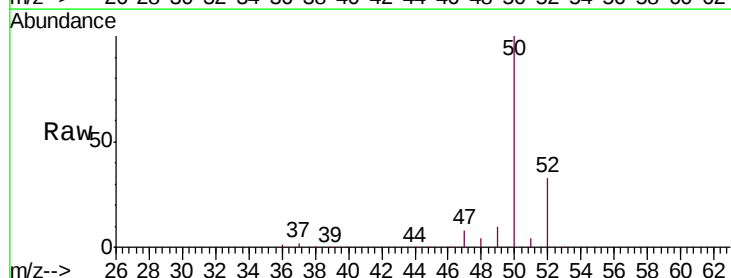
Acq: 17 Sep 2018 14:23

Tgt Ion: 50 Resp: 508798

Ion Ratio Lower Upper

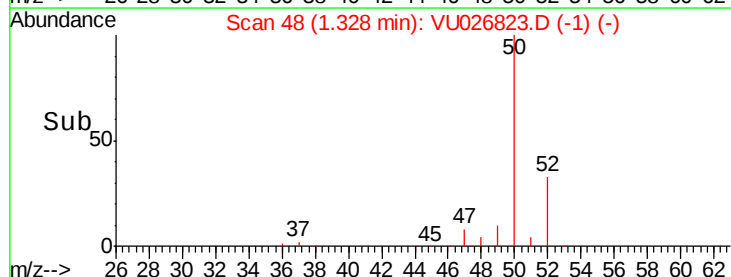
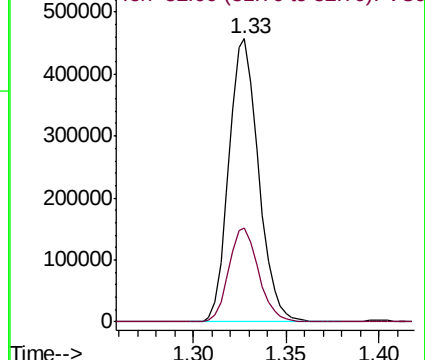
50 100

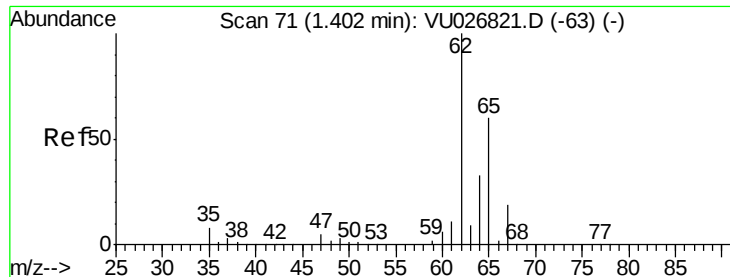
52 33.2 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 202.932 ug/L

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU026823.D

Acq: 17 Sep 2018 14:23

Instrument :

MSVOA_U

ClientSampleId :

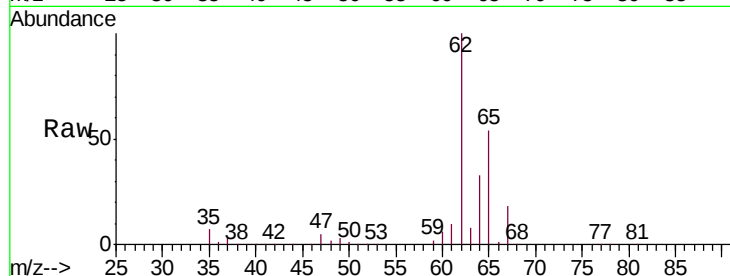
VSTD20053

Tgt Ion: 62 Resp: 517490

Ion Ratio Lower Upper

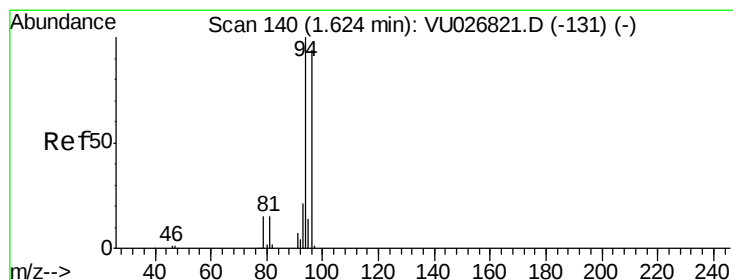
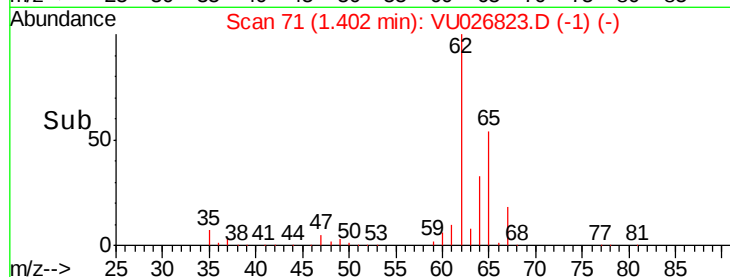
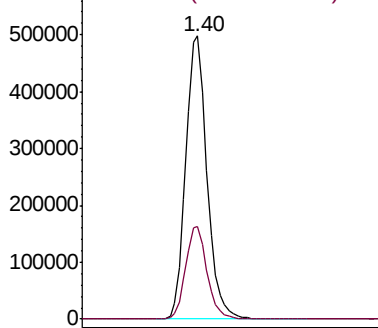
62 100

64 32.8 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 208.741 ug/L

RT: 1.60 min Scan# 134

Delta R.T. -0.02 min

Lab File: VU026823.D

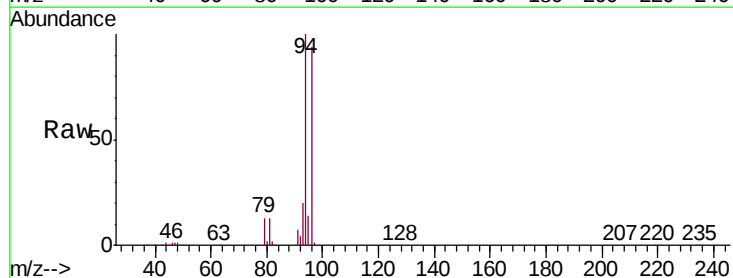
Acq: 17 Sep 2018 14:23

Tgt Ion: 94 Resp: 262911

Ion Ratio Lower Upper

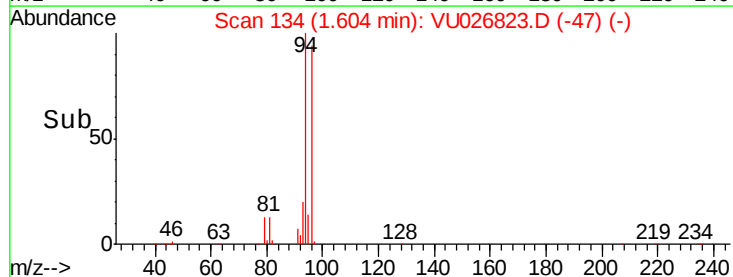
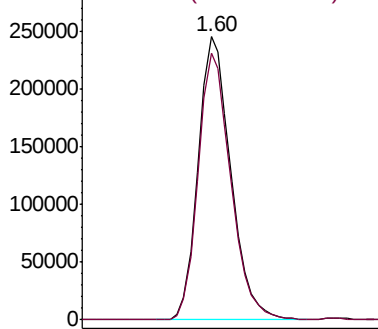
94 100

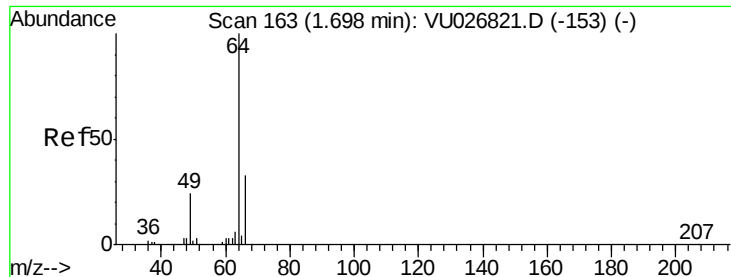
96 94.4 66.0 122.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 189.089 ug/L

RT: 1.68 min Scan# 159

Delta R.T. -0.01 min

Lab File: VU026823.D

Acq: 17 Sep 2018 14:23

Instrument :

MSVOA_U

ClientSampleId :

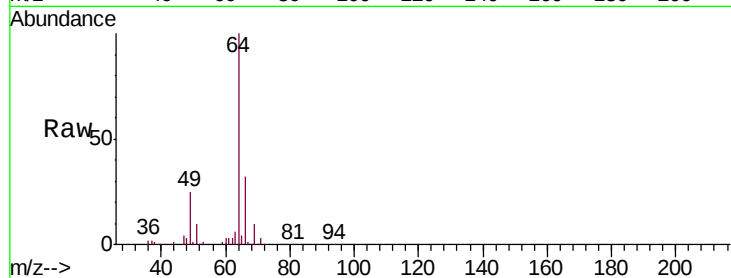
VSTD20053

Tgt Ion: 64 Resp: 302169

Ion Ratio Lower Upper

64 100

66 31.7 23.0 42.8



Abundance Ion 64.00 (63.70 to 64.70): VU026821.D (-153) (-)

Ion 66.00 (65.70 to 66.70): VU026821.D (-153) (-)

1.68

250000

200000

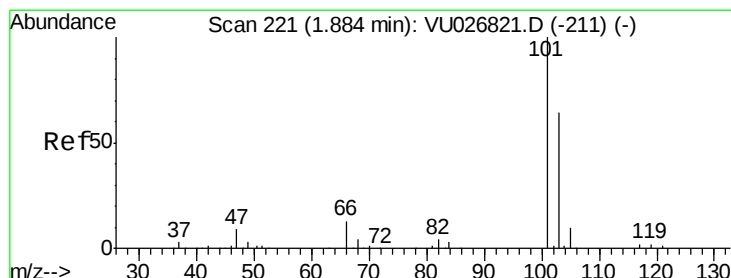
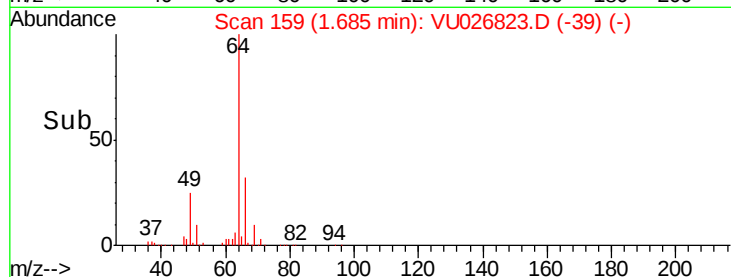
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 196.914 ug/L

RT: 1.88 min Scan# 219

Delta R.T. -0.01 min

Lab File: VU026823.D

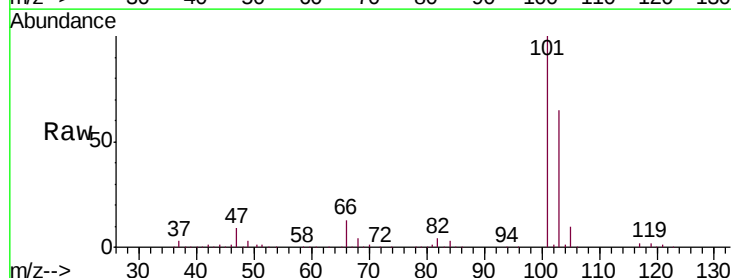
Acq: 17 Sep 2018 14:23

Tgt Ion: 101 Resp: 623896

Ion Ratio Lower Upper

101 100

103 64.9 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VU026821.D (-211) (-)

Ion 103.00 (102.70 to 103.70): VU026821.D (-211) (-)

1.88

400000

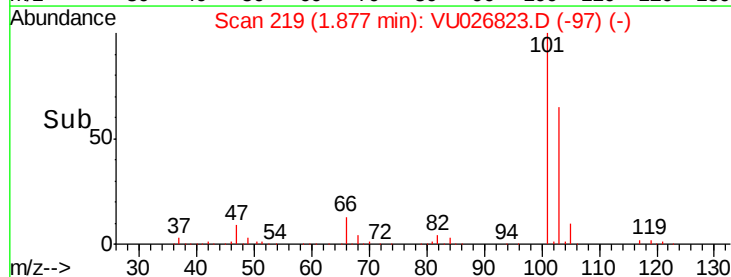
300000

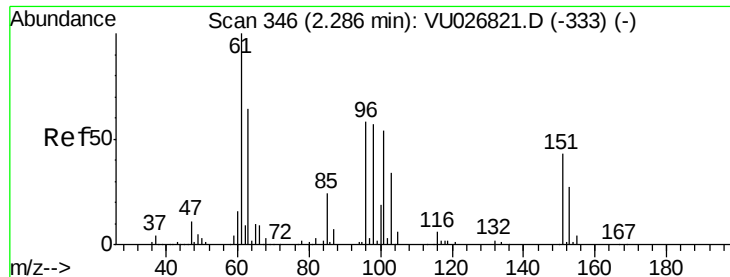
200000

100000

0

Time-->





#10

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

Concen: 194.740 ug/L

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU026823.D

Acq: 17 Sep 2018 14:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD20053

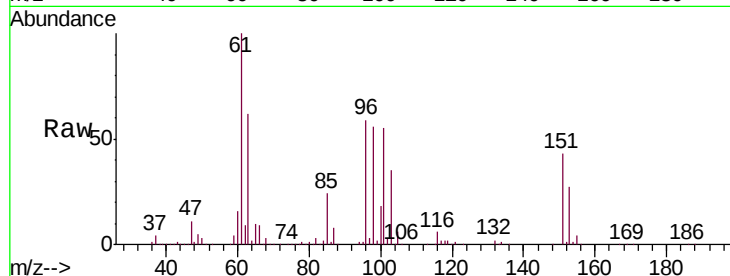
Tgt Ion: 101 Resp: 365495

Ion Ratio Lower Upper

101 100

85 42.9 34.6 52.0

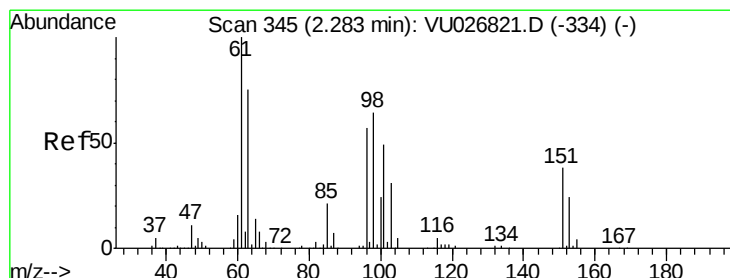
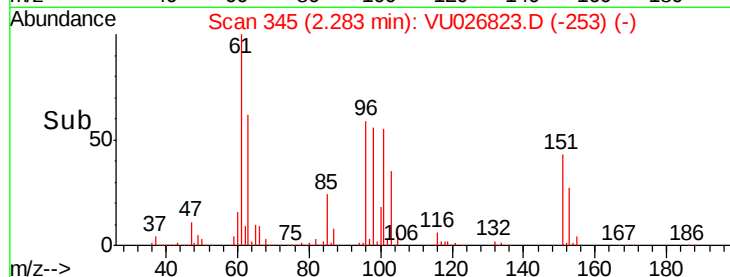
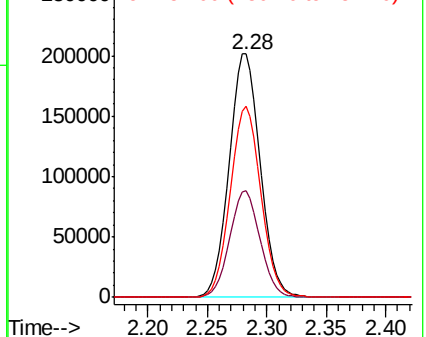
151 77.2 63.0 94.4



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: 200.214 ug/L

RT: 2.28 min Scan# 344

Delta R.T. -0.00 min

Lab File: VU026823.D

Acq: 17 Sep 2018 14:23

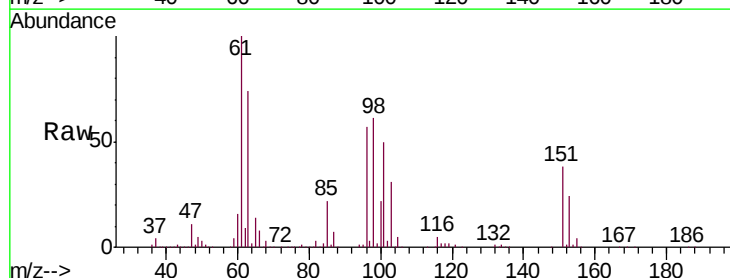
Tgt Ion: 96 Resp: 352911

Ion Ratio Lower Upper

96 100

61 174.5 124.0 230.4

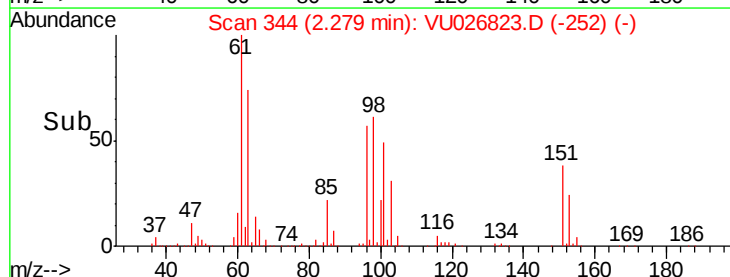
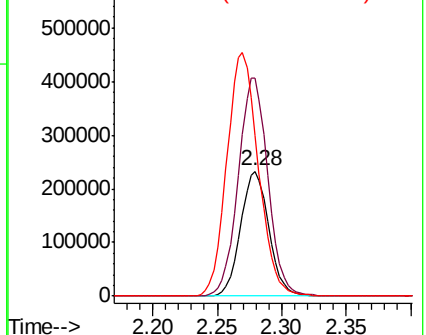
63 128.4 97.7 181.5

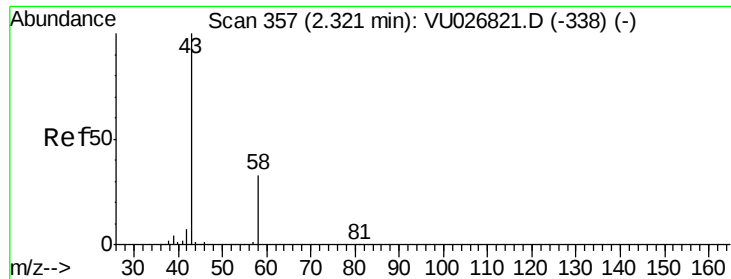


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 339.748 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

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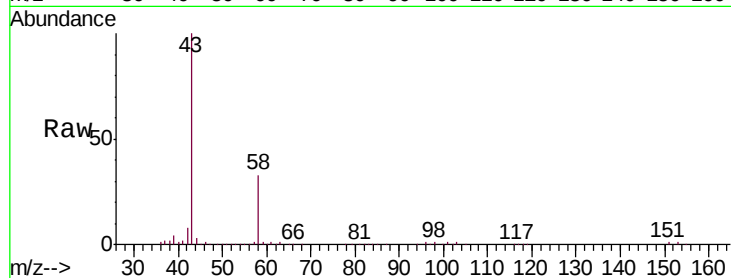
VSTD20053

Tgt Ion: 43 Resp: 445581

Ion Ratio Lower Upper

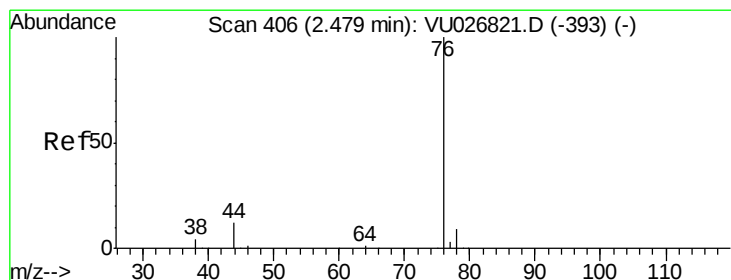
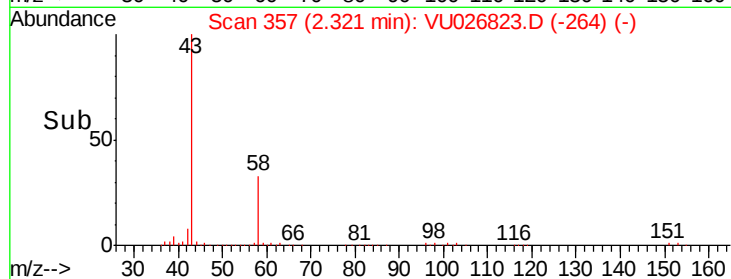
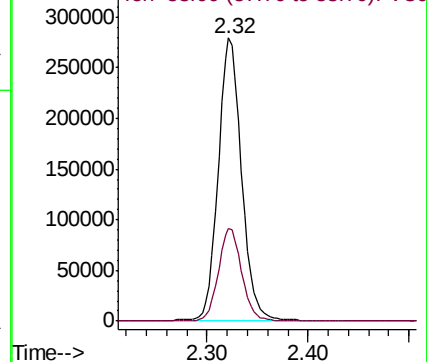
43 100

58 32.9 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon disulfide

Concen: 198.126 ug/L

RT: 2.47 min Scan# 404

Delta R.T. -0.01 min

Lab File: VU026823.D

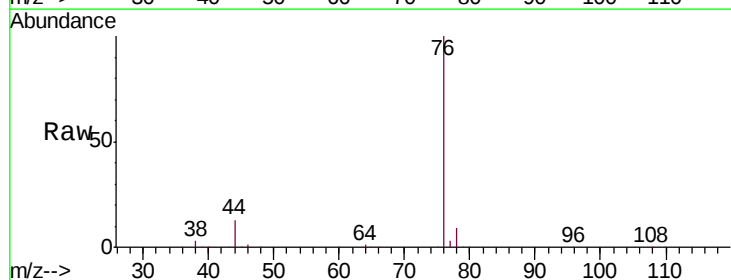
Acq: 17 Sep 2018 14:23

Tgt Ion: 76 Resp: 1205153

Ion Ratio Lower Upper

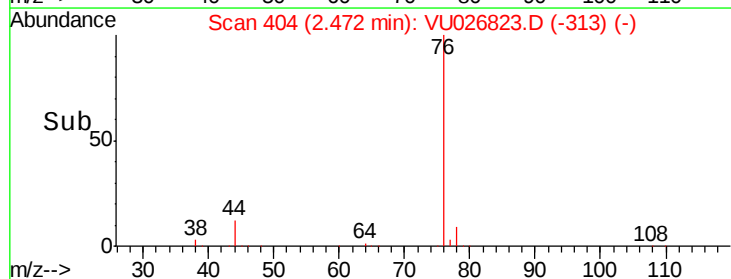
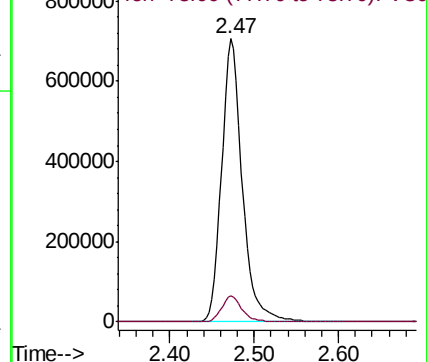
76 100

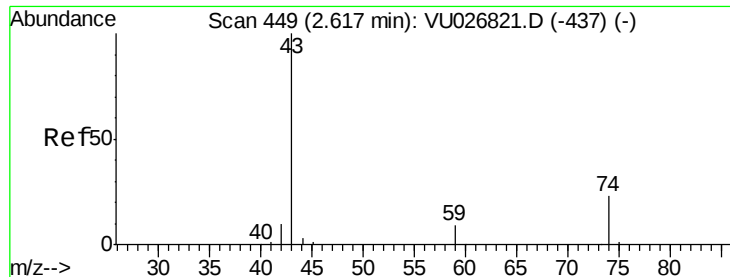
78 9.2 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0





#15

Methyl Acetate

Concen: 195.342 ug/L

RT: 2.61 min Scan# 448

Delta R.T. -0.00 min

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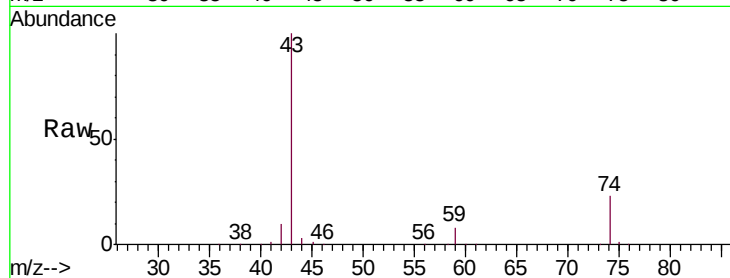
VSTD20053

Tgt Ion: 43 Resp: 443879

Ion Ratio Lower Upper

43 100

74 23.7 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.61

250000

200000

150000

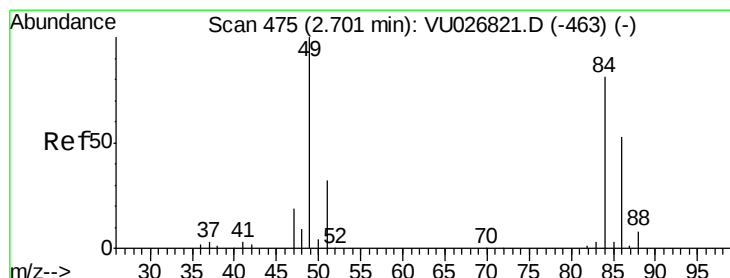
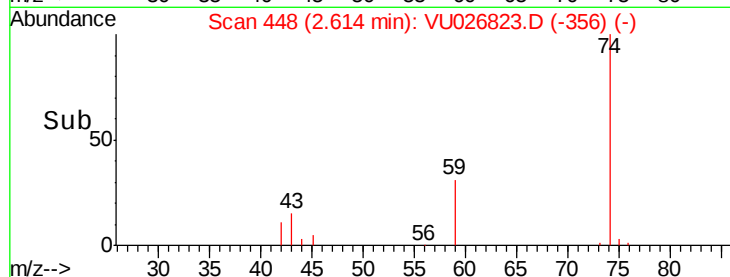
100000

50000

0

Time-->

2.55 2.60 2.65 2.70



#16

Methylene chloride

Concen: 193.847 ug/L

RT: 2.70 min Scan# 474

Delta R.T. -0.00 min

Lab File: VU026823.D

Acq: 17 Sep 2018 14:23

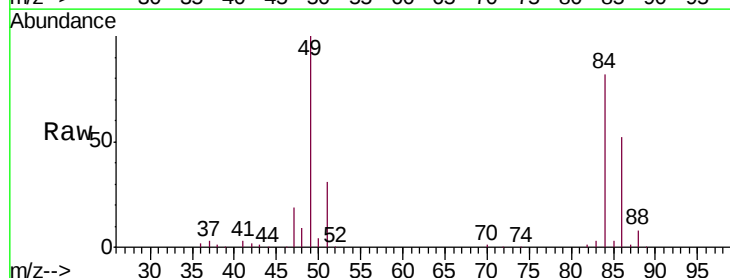
Tgt Ion: 84 Resp: 434360

Ion Ratio Lower Upper

84 100

86 62.8 45.3 84.1

49 122.0 86.2 160.2



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

400000

300000

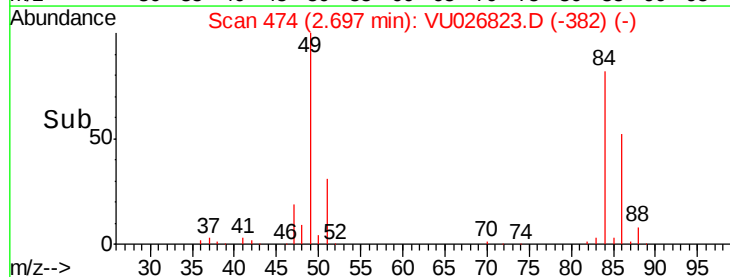
200000

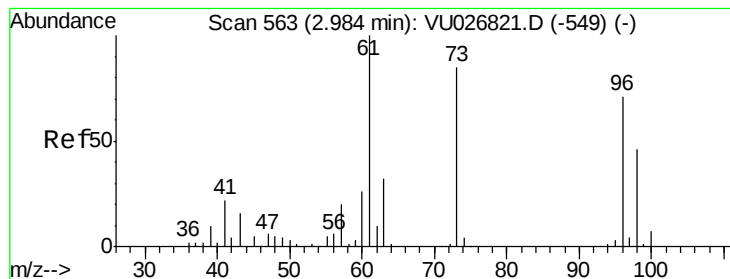
100000

0

Time-->

2.60 2.70 2.80





#17

trans-1,2-Dichloroethene

Concen: 202.749 ug/L

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU026823.D

Acq: 17 Sep 2018 14:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD20053

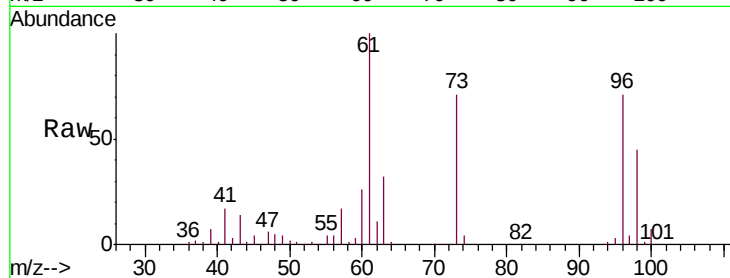
Tgt Ion: 96 Resp: 393606

Ion Ratio Lower Upper

96 100

61 139.9 98.7 183.3

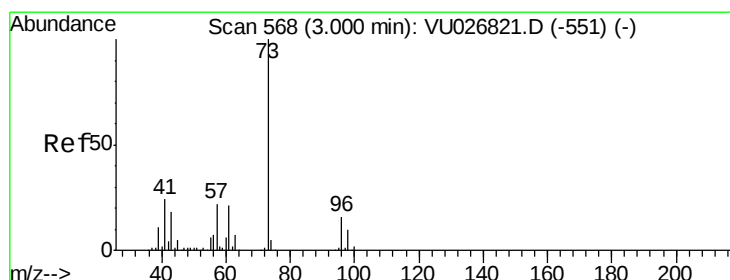
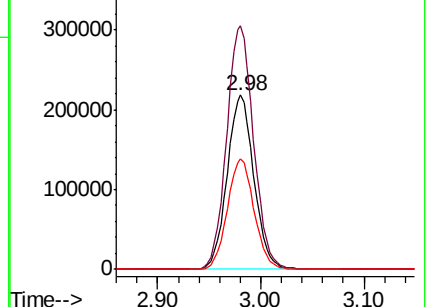
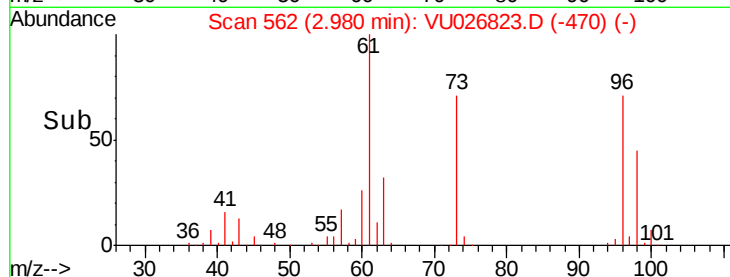
98 63.4 45.2 84.0



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: 215.932 ug/L

RT: 3.00 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU026823.D

Acq: 17 Sep 2018 14:23

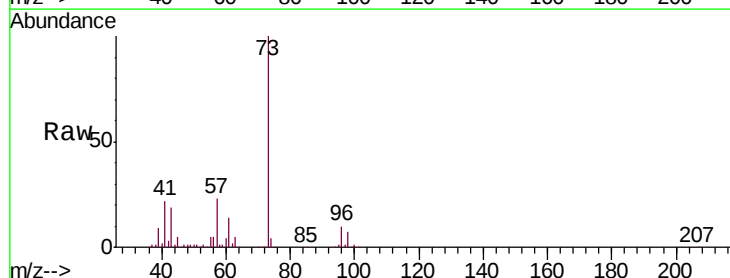
Tgt Ion: 73 Resp: 1225860

Ion Ratio Lower Upper

73 100

43 18.8 15.3 22.9

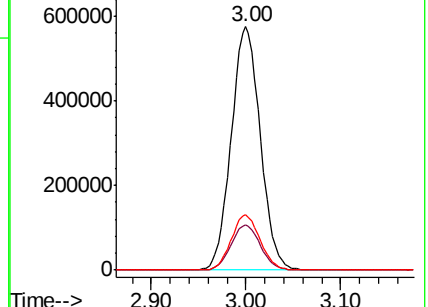
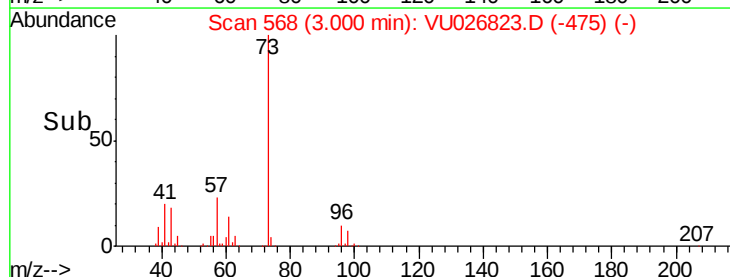
57 22.6 18.1 27.1

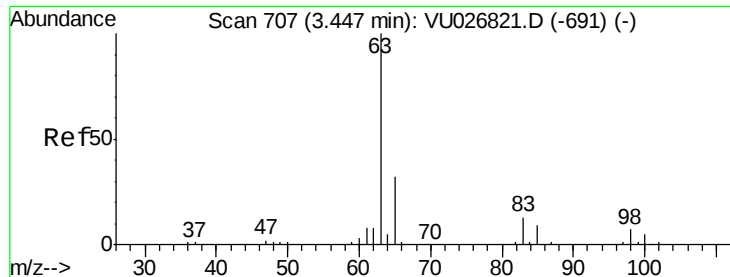


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

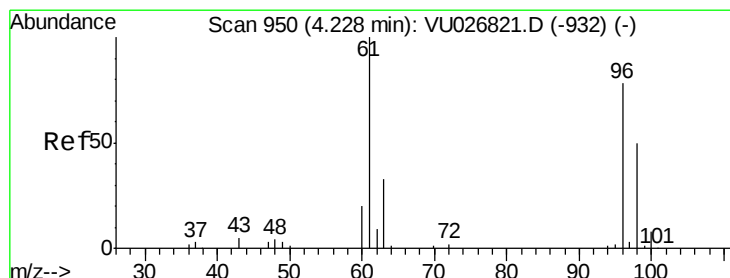
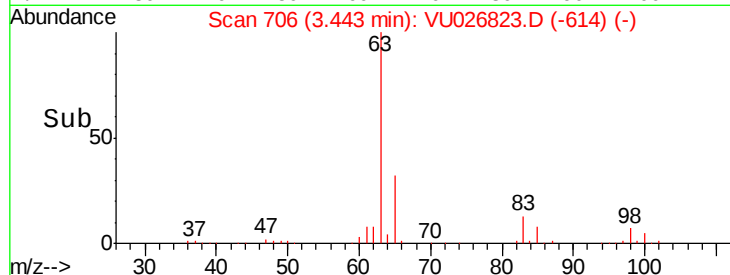
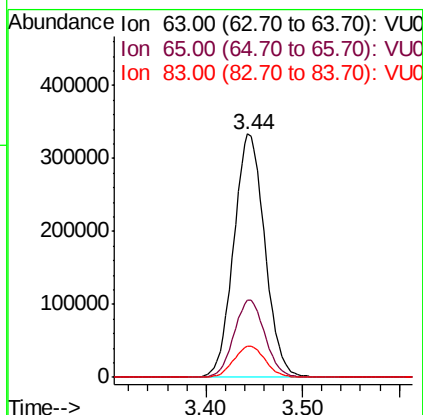
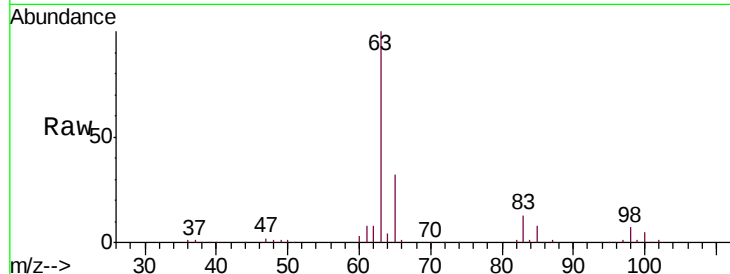




#19
 1,1-Dichloroethane
 Concen: 198.152 ug/L
 RT: 3.44 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VU026823.D
 Acq: 17 Sep 2018 14:23

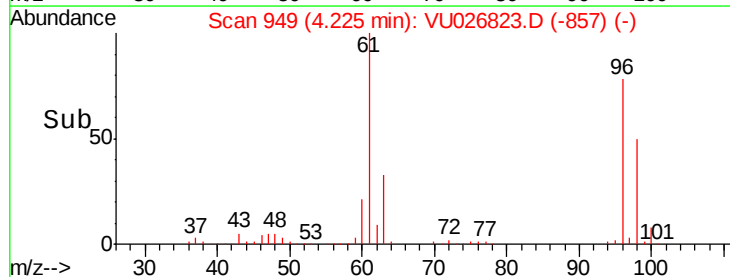
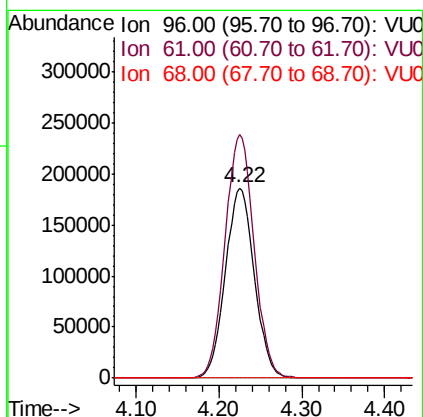
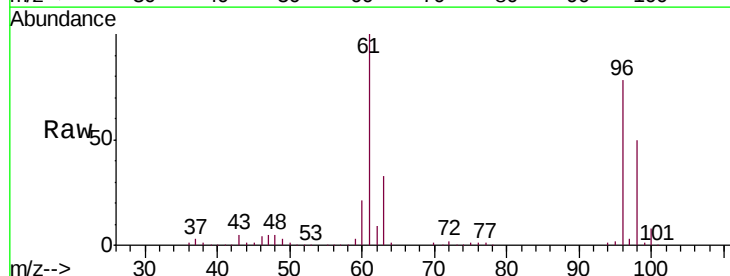
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20053

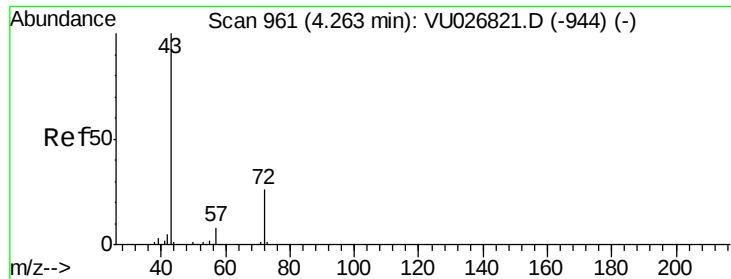
Tgt Ion: 63 Resp: 741954
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.1 41.1
 83 13.0 9.3 17.3



#20
 cis-1,2-Dichloroethene
 Concen: 211.762 ug/L
 RT: 4.22 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: VU026823.D
 Acq: 17 Sep 2018 14:23

Tgt Ion: 96 Resp: 452143
 Ion Ratio Lower Upper
 96 100
 61 127.8 90.2 167.4
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 409.054 ug/L

RT: 4.26 min Scan# 961

Delta R.T. -0.00 min

Lab File: VU026823.D

Acq: 17 Sep 2018 14:23

Instrument :

MSVOA_U

ClientSampleId :

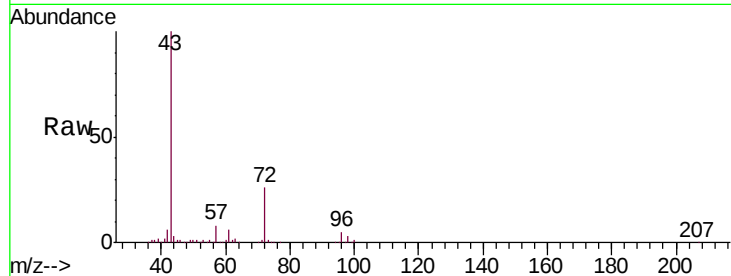
VSTD20053

Tgt Ion: 43 Resp: 661579

Ion Ratio Lower Upper

43 100

72 27.2 13.3 39.9



Abundance Ion 43.00 (42.70 to 43.70): VU026823.D (-968) (-)

Ion 72.00 (71.70 to 72.70): VU026823.D (-968) (-)

4.26

300000

250000

200000

150000

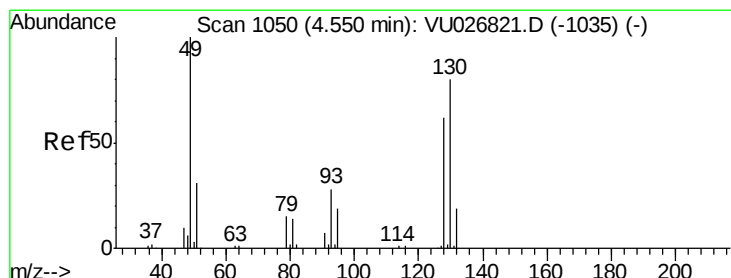
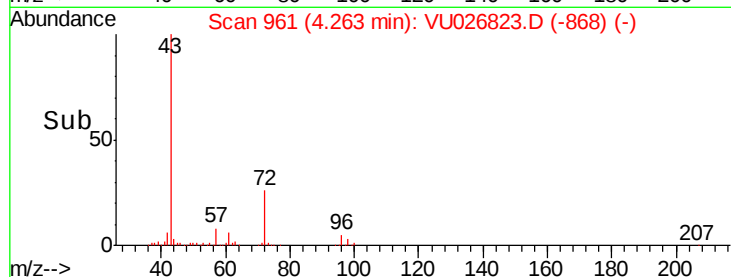
100000

50000

0

4.20 4.30 4.40

Time-->



#23

Bromochloromethane

Concen: 196.295 ug/L

RT: 4.55 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU026823.D

Acq: 17 Sep 2018 14:23

Tgt Ion: 128 Resp: 226296

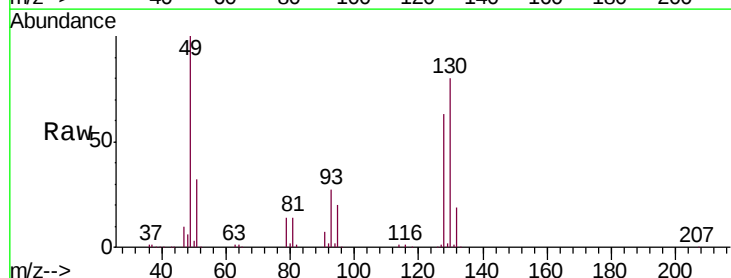
Ion Ratio Lower Upper

128 100

49 159.6 113.0 209.8

130 127.5 89.7 166.5

51 50.5 39.7 59.5



Abundance Ion 128.00 (127.70 to 128.70): VU026823.D (-957) (-)

Ion 49.00 (48.70 to 49.70): VU026823.D (-957) (-)

Ion 130.00 (129.70 to 130.70): VU026823.D (-957) (-)

Ion 51.00 (50.70 to 51.70): VU026823.D (-957) (-)

200000

150000

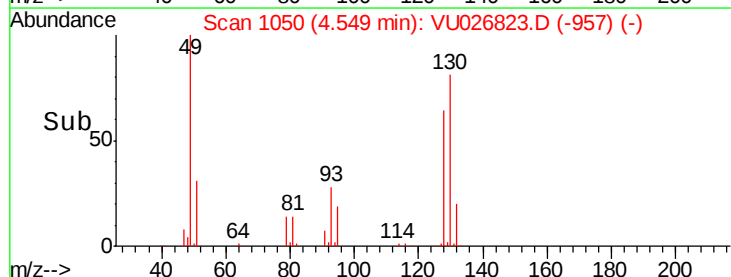
100000

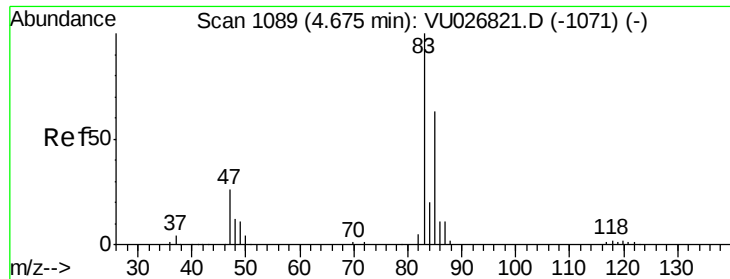
50000

0

4.50 4.60

Time-->

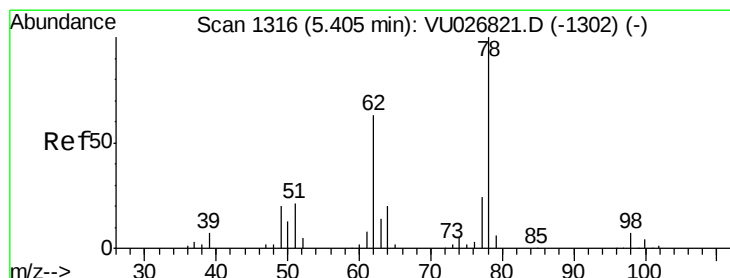
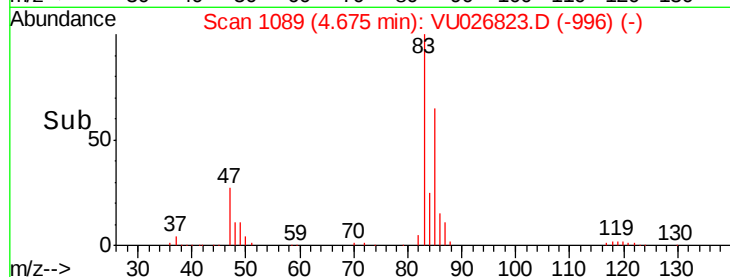
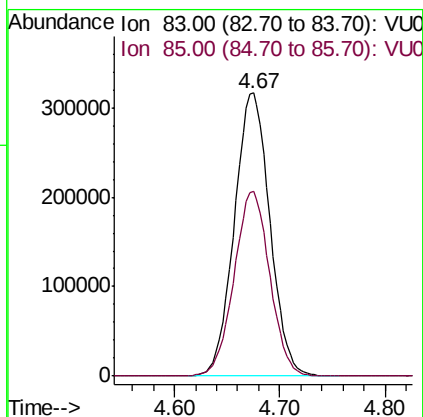
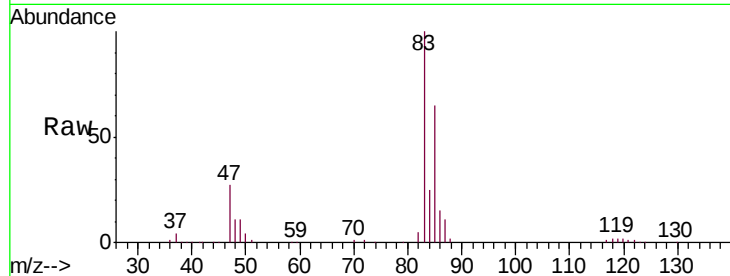




#25
Chloroform
Concen: 195.065 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU026823.D
Acq: 17 Sep 2018 14:23

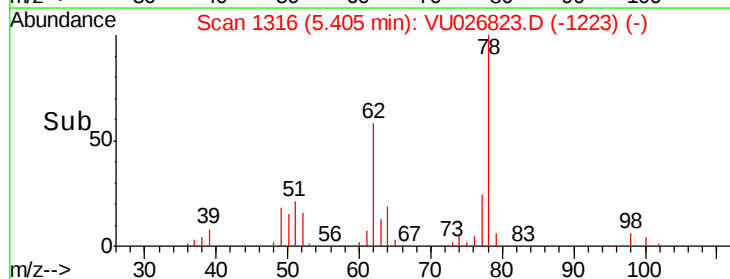
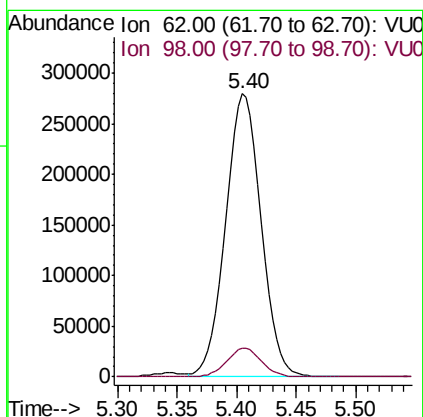
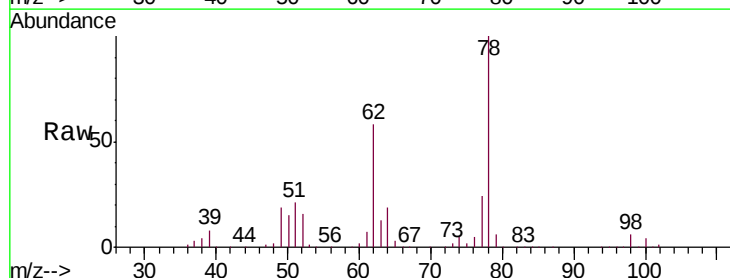
Instrument :
MSVOA_U
ClientSampleId :
VSTD20053

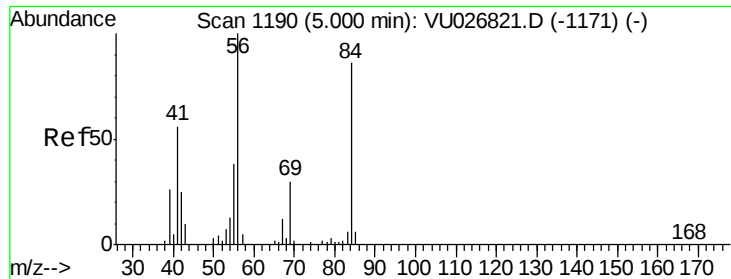
Tgt Ion: 83 Resp: 739786
Ion Ratio Lower Upper
83 100
85 65.2 44.4 82.5



#27
1,2-Dichloroethane
Concen: 194.919 ug/L
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU026823.D
Acq: 17 Sep 2018 14:23

Tgt Ion: 62 Resp: 576860
Ion Ratio Lower Upper
62 100
98 10.2 8.2 12.4

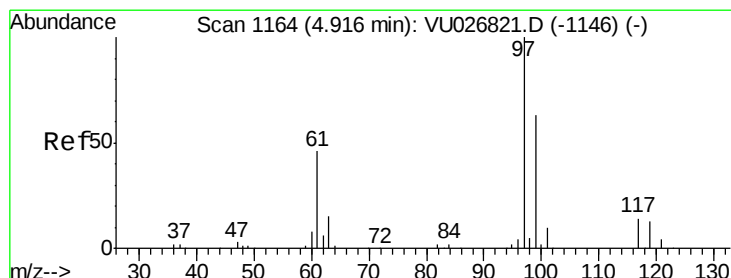
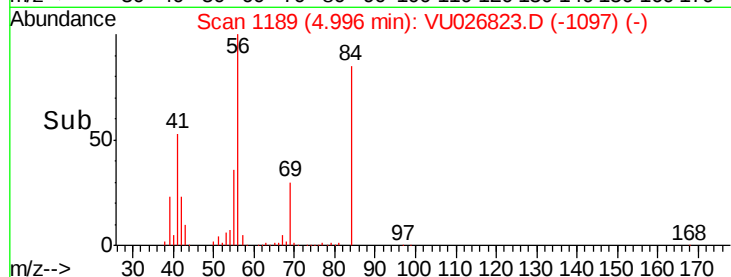
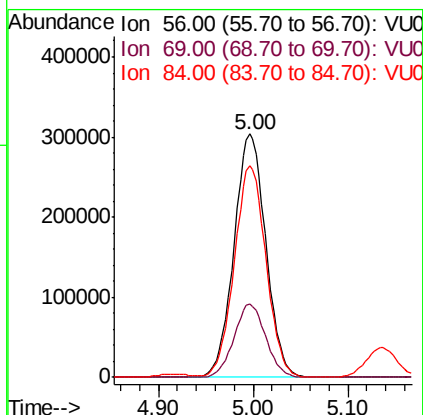
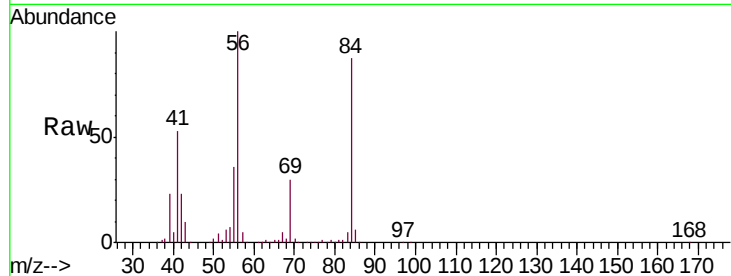




#29
Cyclohexane
Concen: 224.720 ug/L
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU026823.D
Acq: 17 Sep 2018 14:23

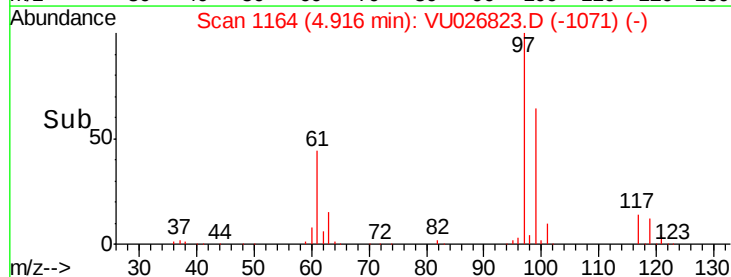
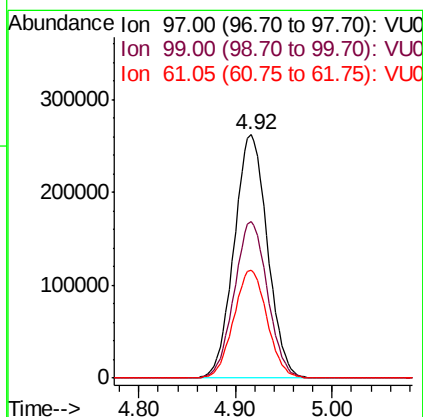
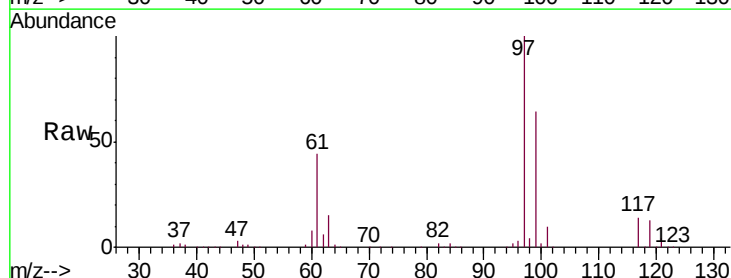
Instrument :
MSVOA_U
ClientSampleId :
VSTD20053

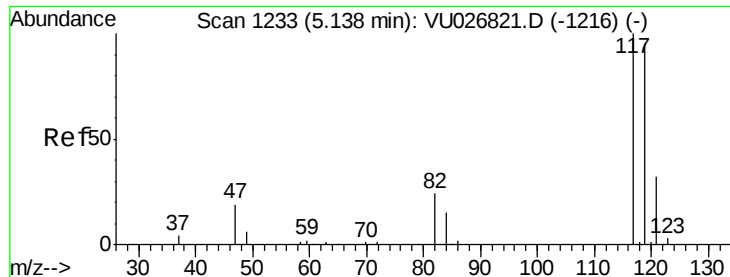
Tgt Ion: 56 Resp: 708111
Ion Ratio Lower Upper
56 100
69 30.0 23.7 35.5
84 87.1 69.0 103.4



#30
1,1,1-Trichloroethane
Concen: 194.598 ug/L
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU026823.D
Acq: 17 Sep 2018 14:23

Tgt Ion: 97 Resp: 628293
Ion Ratio Lower Upper
97 100
99 64.4 51.8 77.8
61 44.4 36.6 54.8

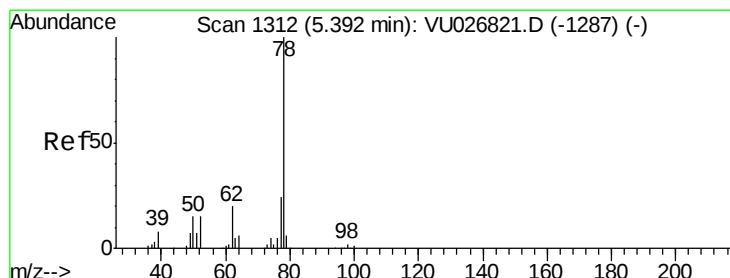
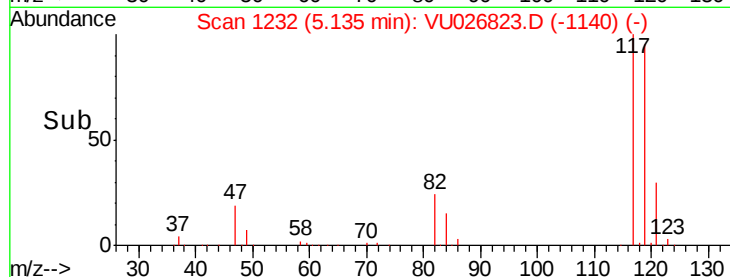
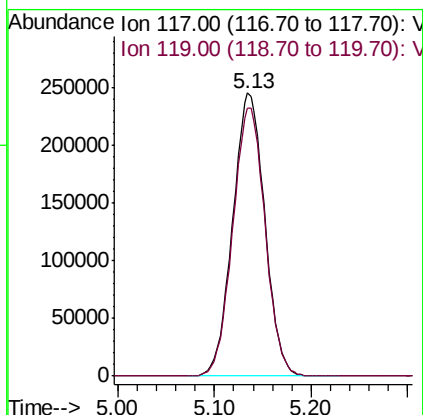
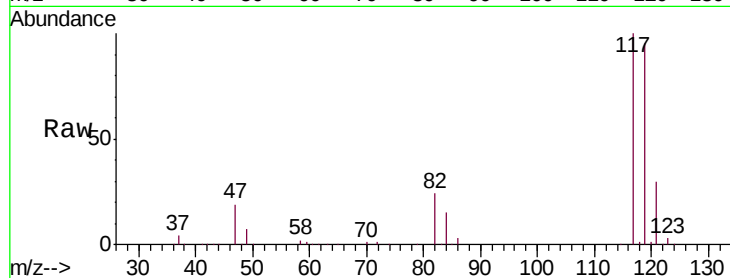




#31
Carbon tetrachloride
Concen: 195.074 ug/L
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU026823.D
Acq: 17 Sep 2018 14:23

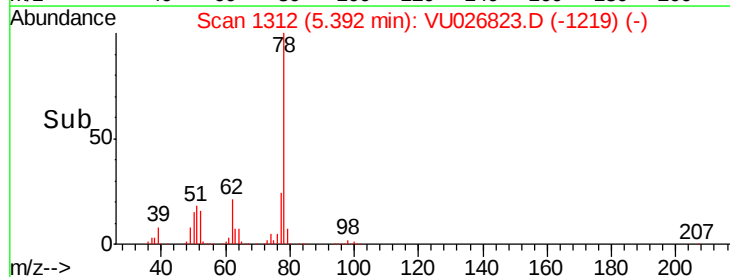
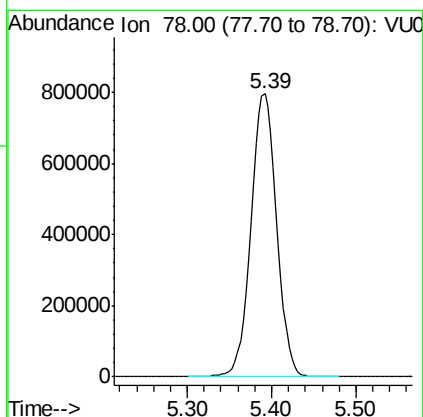
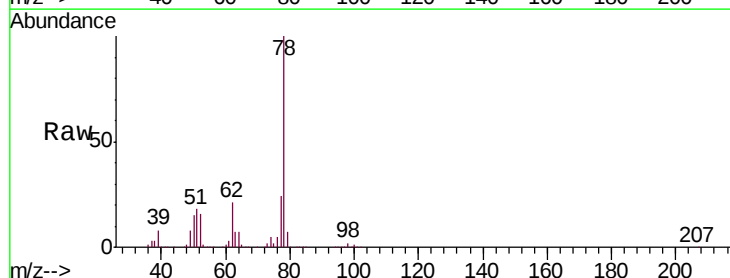
Instrument :
MSVOA_U
ClientSampleId :
VSTD20053

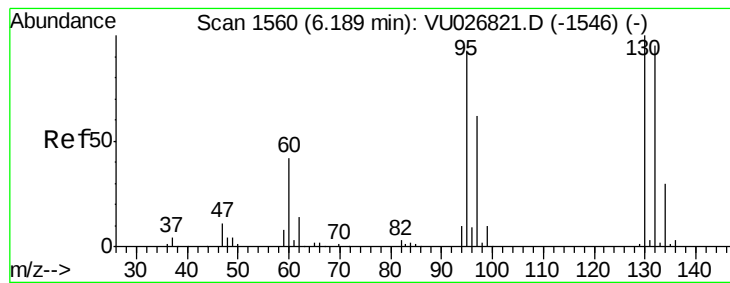
Tgt Ion:117 Resp: 564408
Ion Ratio Lower Upper
117 100
119 95.6 76.3 114.5



#33
Benzene
Concen: 199.249 ug/L
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU026823.D
Acq: 17 Sep 2018 14:23

Tgt Ion: 78 Resp: 1676510





#34

Trichloroethene

Concen: 201.810 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU026823.D

Acq: 17 Sep 2018 14:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD20053

Tgt Ion: 95 Resp: 407471

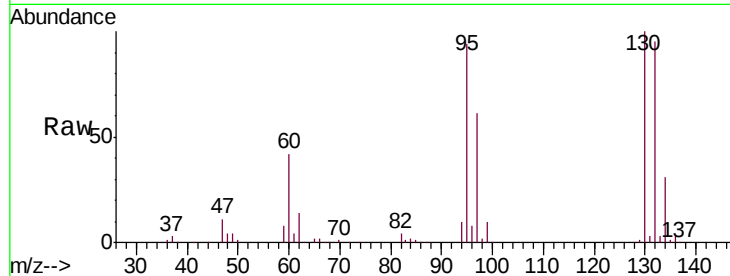
Ion Ratio Lower Upper

95 100

97 65.2 46.3 85.9

132 102.0 71.7 133.1

130 106.9 75.3 139.8

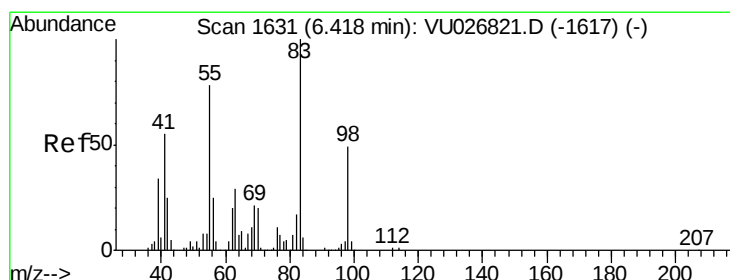
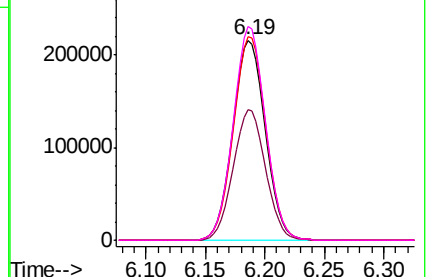
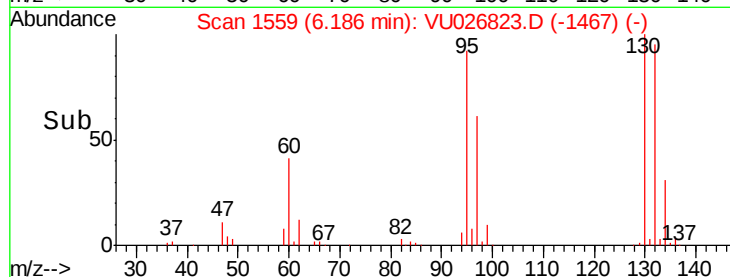


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 222.396 ug/L

RT: 6.42 min Scan# 1631

Delta R.T. -0.00 min

Lab File: VU026823.D

Acq: 17 Sep 2018 14:23

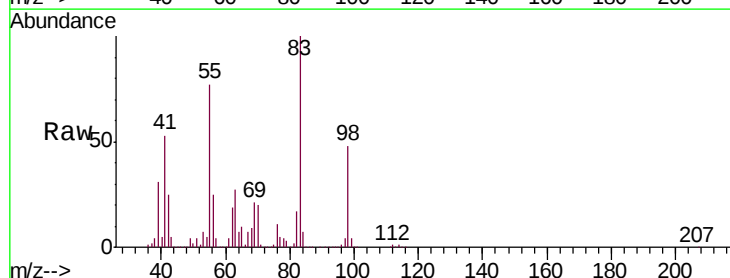
Tgt Ion: 83 Resp: 731970

Ion Ratio Lower Upper

83 100

55 76.7 61.7 92.5

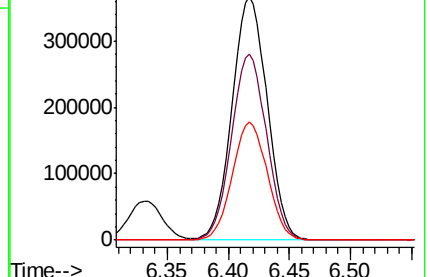
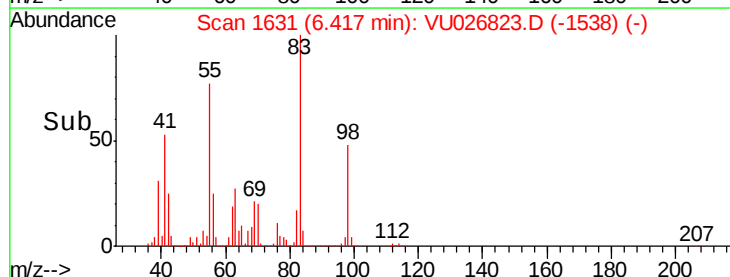
98 48.3 38.3 57.5

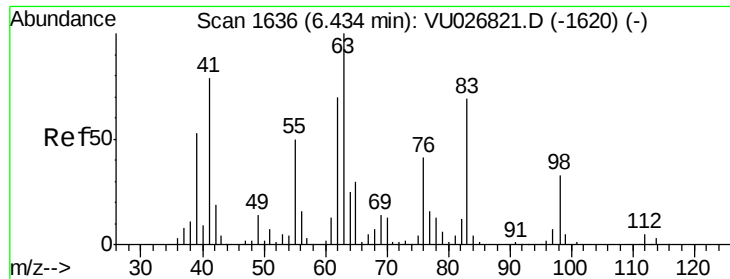


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

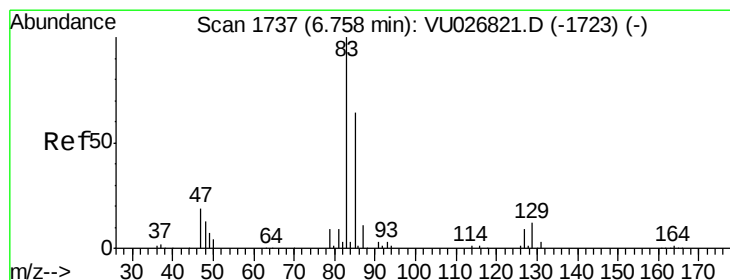
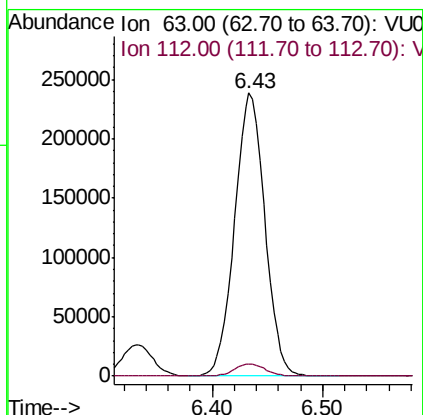
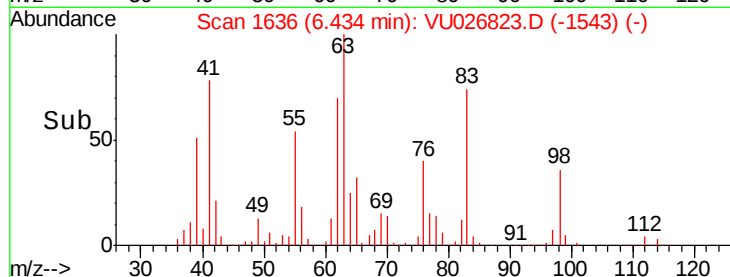
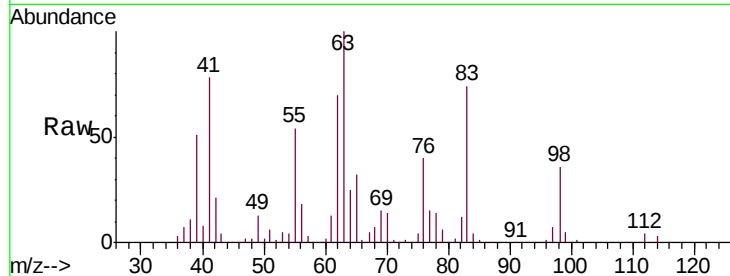




#37
 1,2-Dichloropropane
 Concen: 196.181 ug/L
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU026823.D
 Acq: 17 Sep 2018 14:23

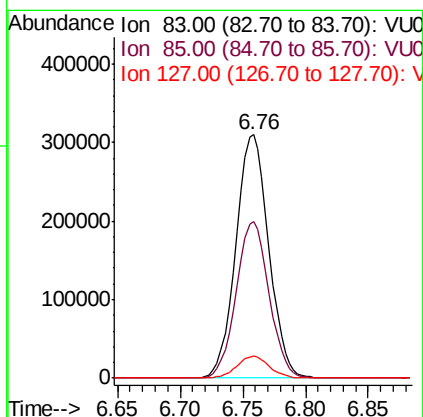
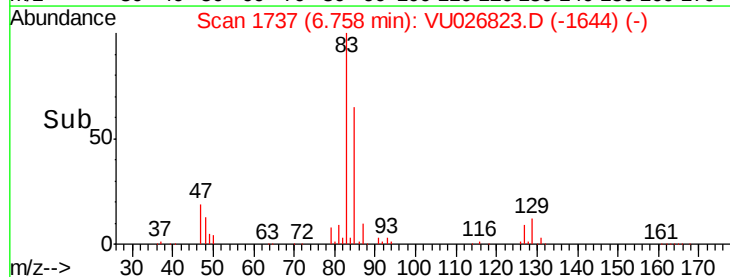
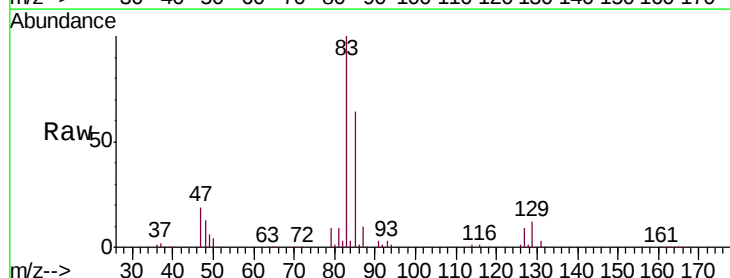
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20053

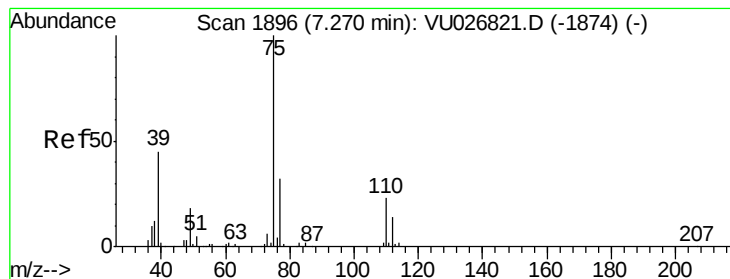
Tgt Ion: 63 Resp: 453448
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.7 5.5



#38
 Bromodichloromethane
 Concen: 197.015 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: VU026823.D
 Acq: 17 Sep 2018 14:23

Tgt Ion: 83 Resp: 564723
 Ion Ratio Lower Upper
 83 100
 85 64.5 44.5 82.7
 127 9.0 6.9 10.3



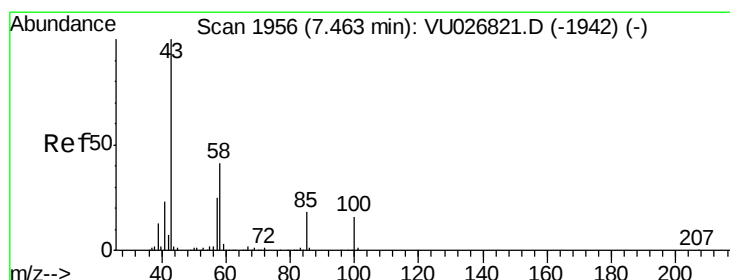
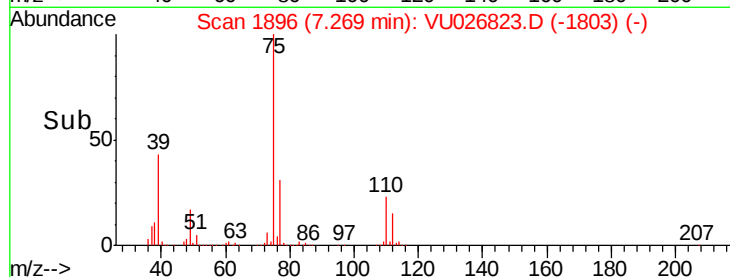
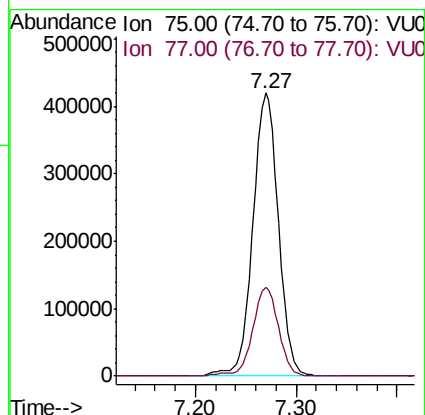
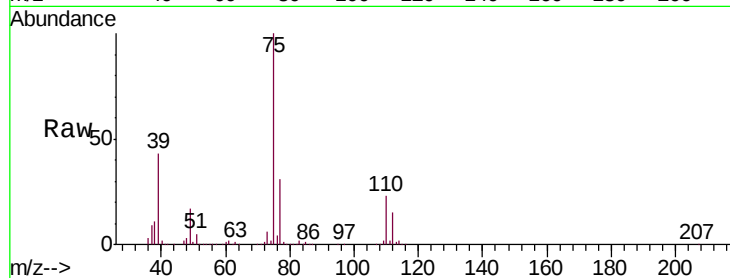


#39

cis-1,3-Dichloropropene
Concen: 223.596 ug/L
RT: 7.27 min Scan# 1896
Delta R.T. -0.00 min
Lab File: VU026823.D
Acq: 17 Sep 2018 14:23

Instrument :
MSVOA_U
ClientSampleId :
VSTD20053

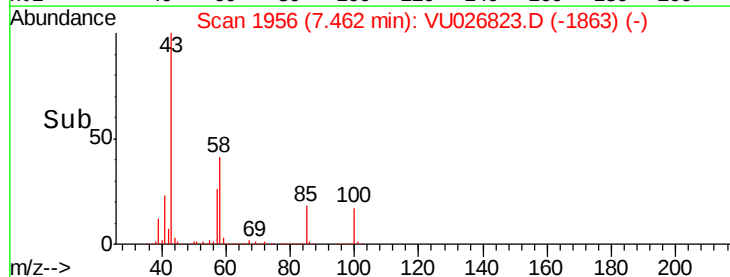
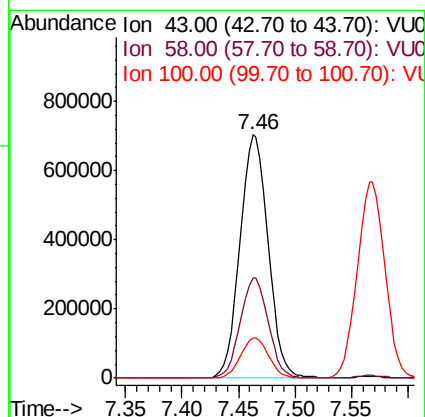
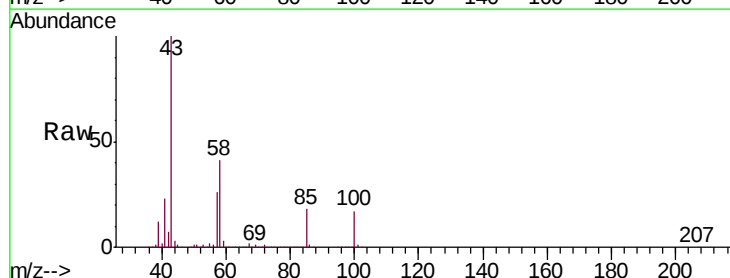
Tgt Ion: 75 Resp: 730047
Ion Ratio Lower Upper
75 100
77 31.5 22.1 41.1

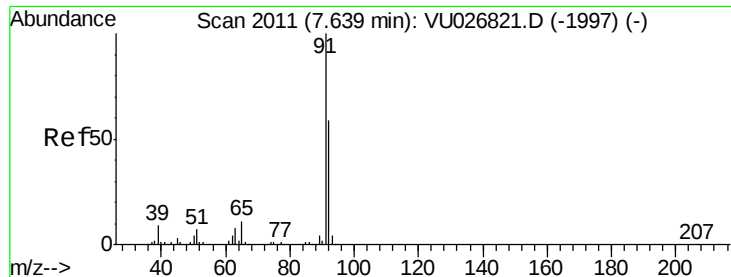


#40

4-Methyl-2-pentanone
Concen: 445.389 ug/L
RT: 7.46 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VU026823.D
Acq: 17 Sep 2018 14:23

Tgt Ion: 43 Resp: 1223217
Ion Ratio Lower Upper
43 100
58 41.0 32.0 48.0
100 16.6 12.6 19.0





#42

Toluene

Concen: 208.690 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU026823.D

Acq: 17 Sep 2018 14:23

Instrument :

MSVOA_U

ClientSampleId :

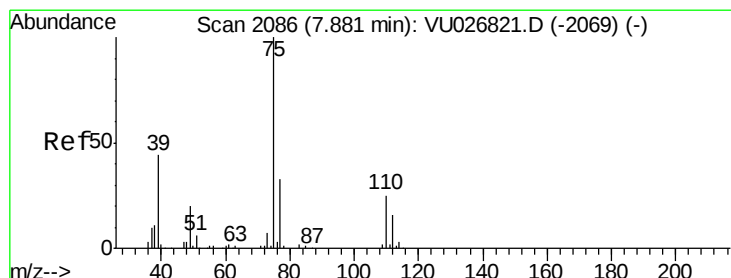
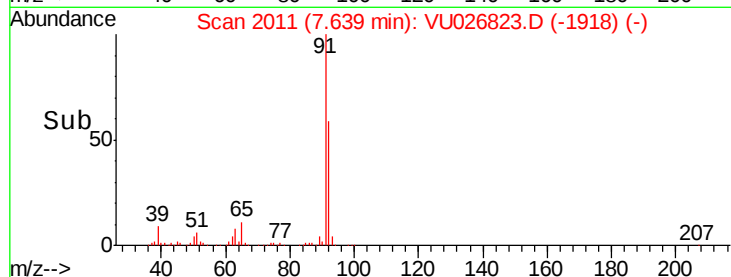
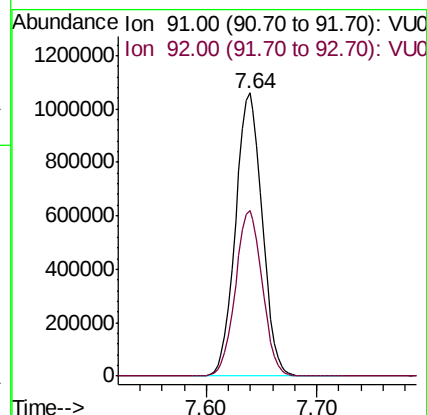
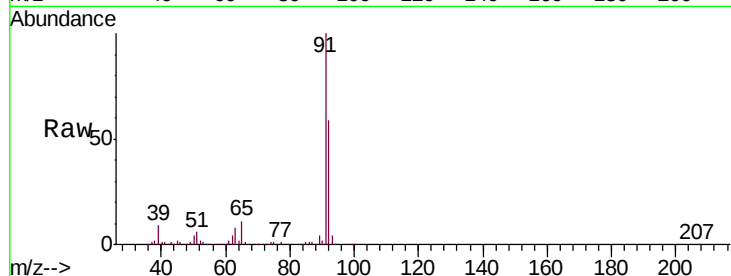
VSTD20053

Tgt Ion: 91 Resp: 1776965

Ion Ratio Lower Upper

91 100

92 58.7 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 220.327 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. -0.00 min

Lab File: VU026823.D

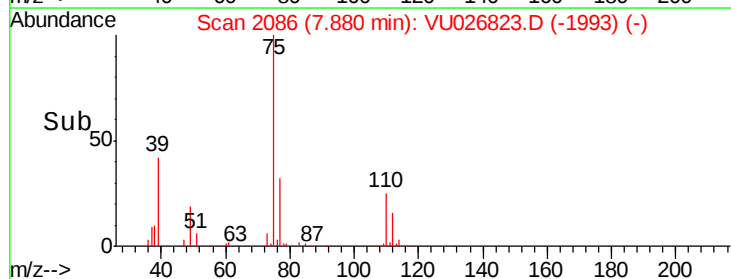
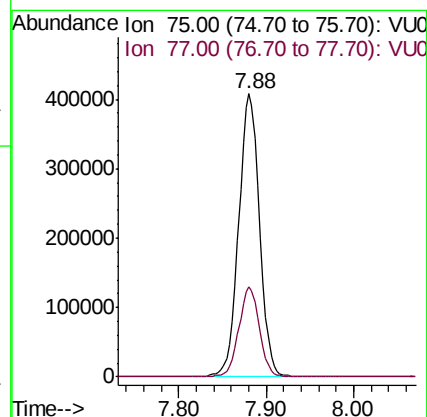
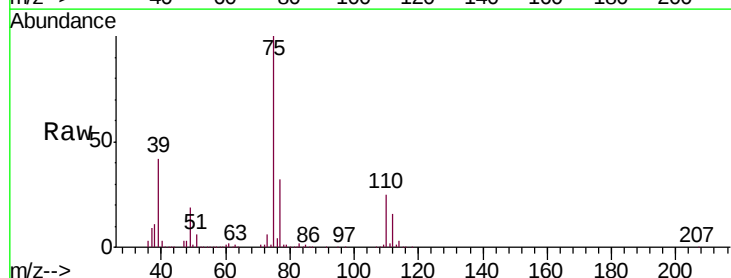
Acq: 17 Sep 2018 14:23

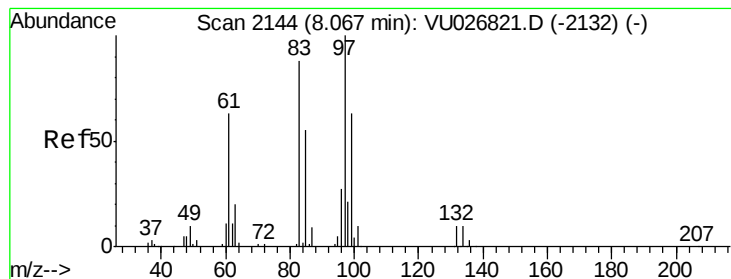
Tgt Ion: 75 Resp: 673563

Ion Ratio Lower Upper

75 100

77 31.7 22.8 42.4





#45

1,1,2-Trichloroethane

Concen: 196.950 ug/L

RT: 8.07 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU026823.D

Acq: 17 Sep 2018 14:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD20053

Tgt Ion: 97 Resp: 415028

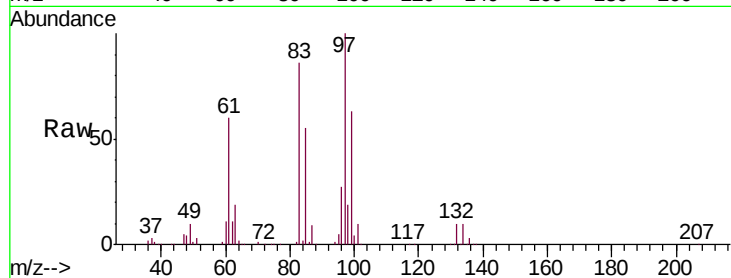
Ion Ratio Lower Upper

97 100

99 62.8 44.3 82.3

83 86.4 61.5 114.1

85 55.4 38.6 71.6

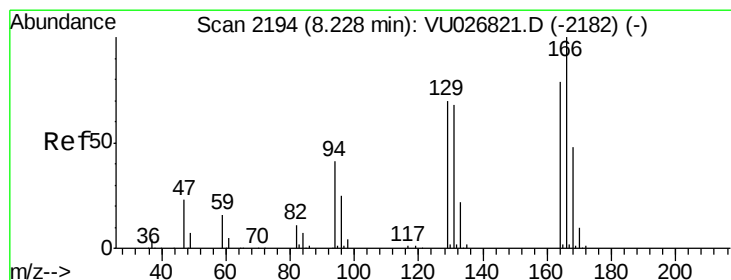
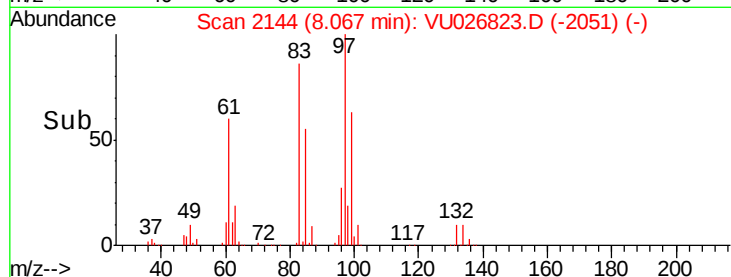
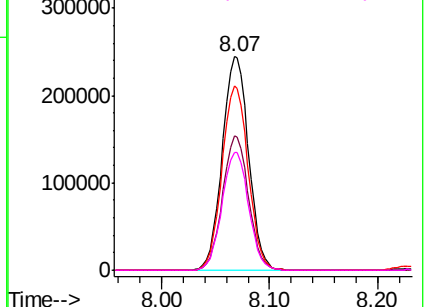


Abundance Ion 97.00 (96.70 to 97.70): VU0

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: 202.598 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VU026823.D

Acq: 17 Sep 2018 14:23

Tgt Ion: 164 Resp: 362629

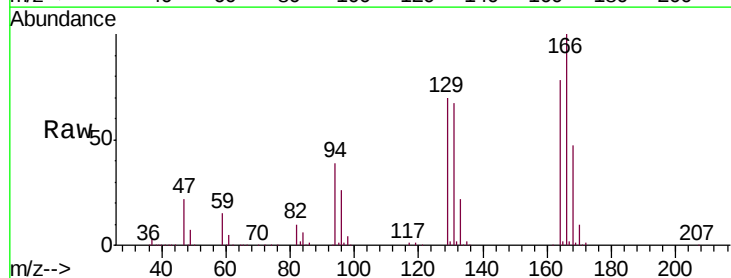
Ion Ratio Lower Upper

164 100

129 89.1 62.2 115.4

131 85.8 60.5 112.5

166 128.0 89.0 165.2

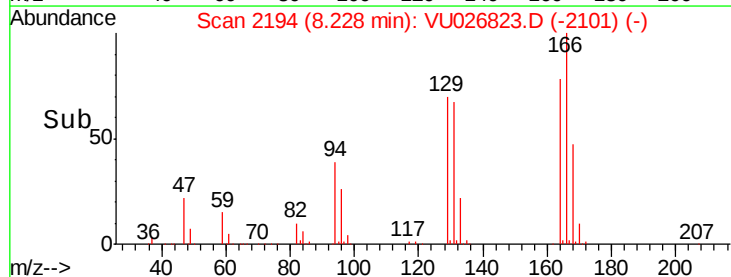
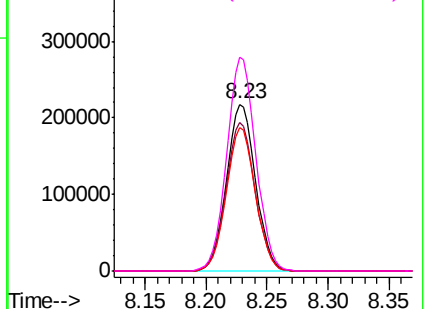


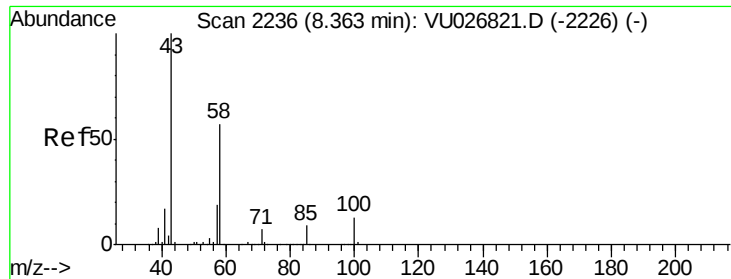
Abundance Ion 164.00 (163.70 to 164.70): V

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

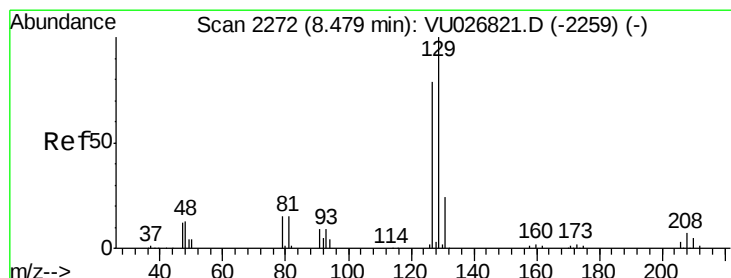
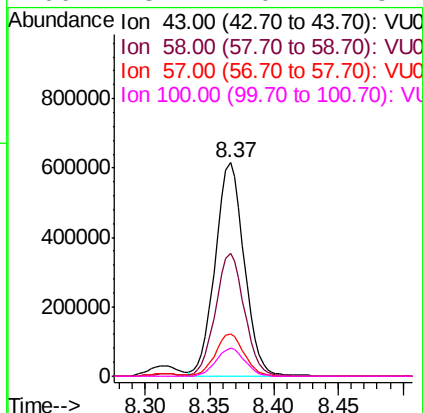
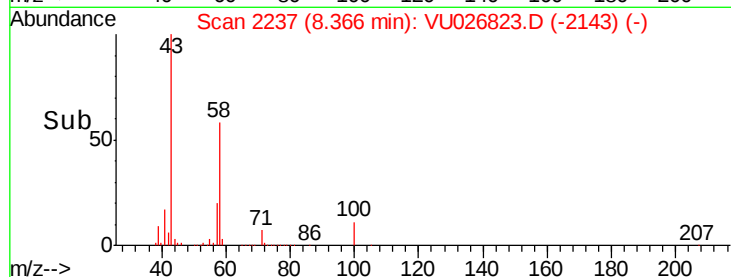
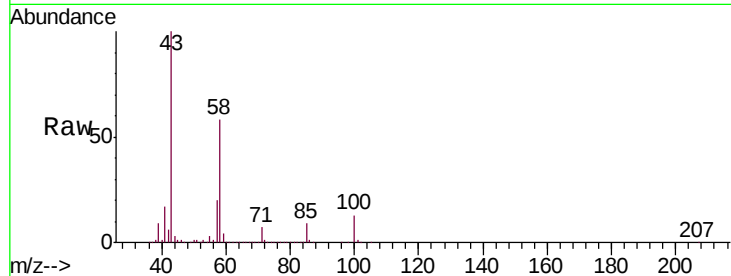




#48
2-Hexanone
Concen: 433.137 ug/L
RT: 8.37 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VU026823.D
Acq: 17 Sep 2018 14:23

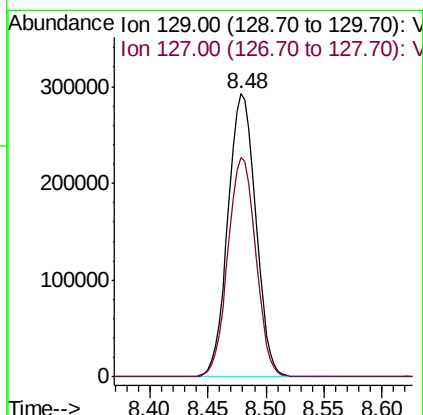
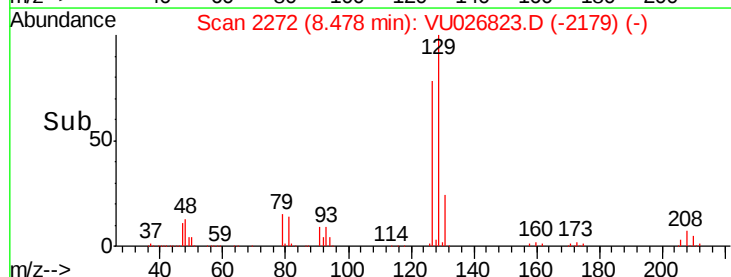
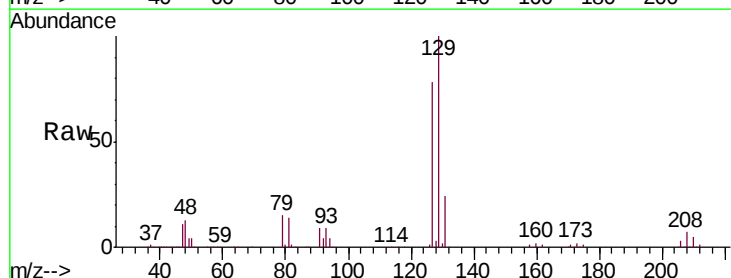
Instrument :
MSVOA_U
ClientSampleId :
VSTD20053

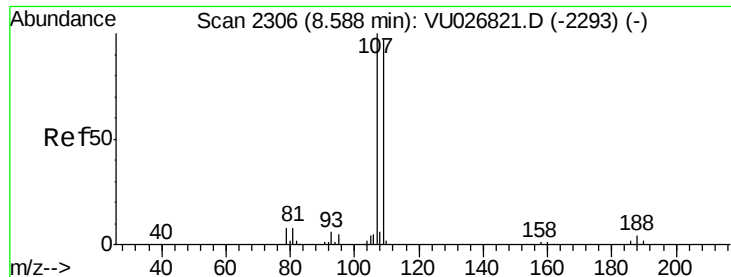
Tgt Ion: 43 Resp: 959548
Ion Ratio Lower Upper
43 100
58 57.4 44.9 67.3
57 19.7 15.4 23.2
100 13.1 10.2 15.4



#49
Dibromochloromethane
Concen: 204.446 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU026823.D
Acq: 17 Sep 2018 14:23

Tgt Ion: 129 Resp: 487681
Ion Ratio Lower Upper
129 100
127 77.7 55.2 102.4

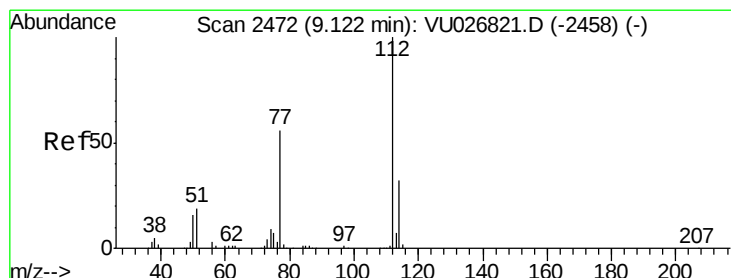
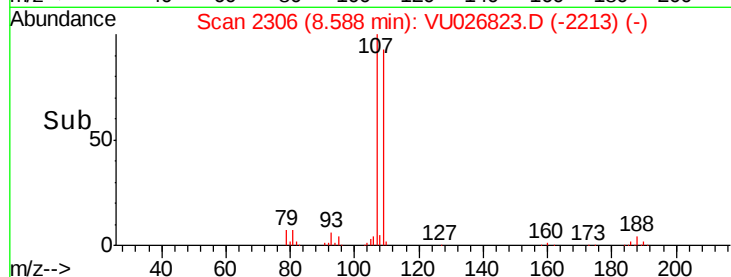
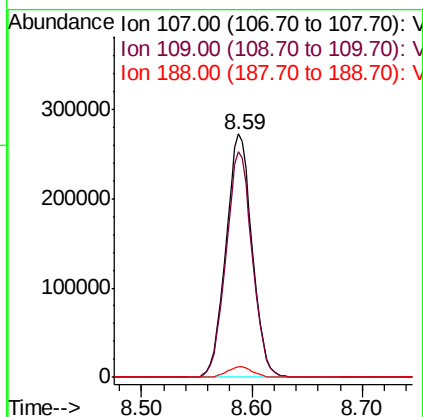
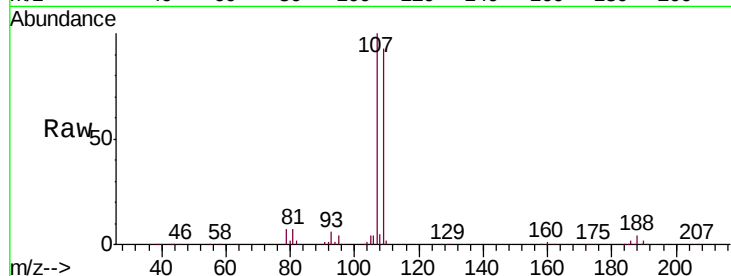




#50
 1,2-Dibromoethane
 Concen: 203.239 ug/L
 RT: 8.59 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VU026823.D
 Acq: 17 Sep 2018 14:23

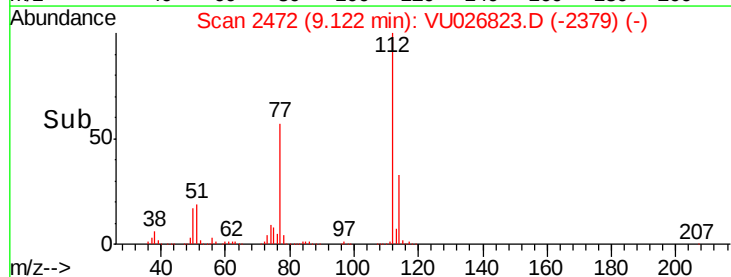
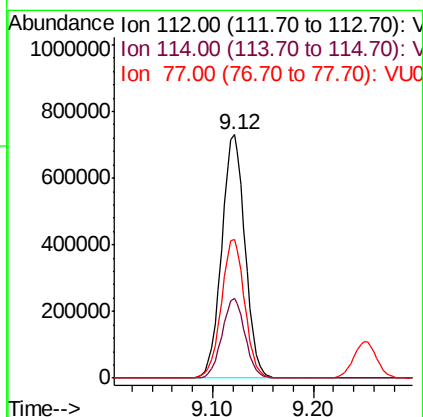
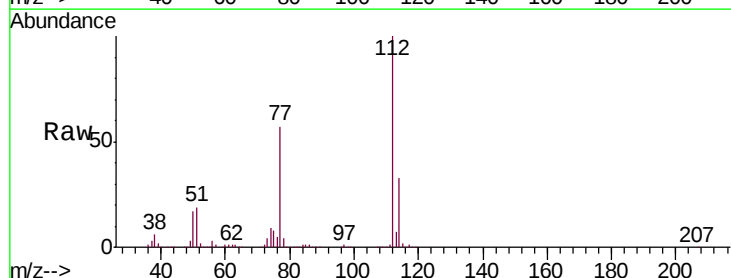
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20053

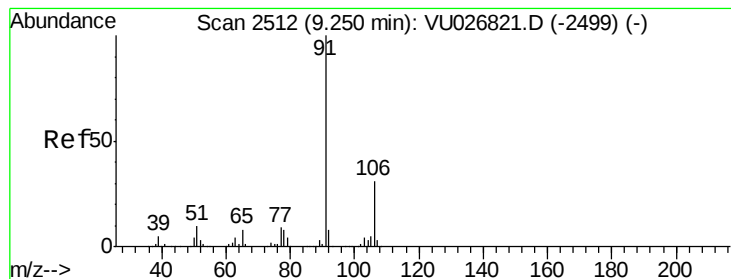
Tgt Ion:107 Resp: 446494
 Ion Ratio Lower Upper
 107 100
 109 92.8 67.8 125.8
 188 4.3 3.2 4.8



#51
 Chlorobenzene
 Concen: 204.224 ug/L
 RT: 9.12 min Scan# 2472
 Delta R.T. -0.00 min
 Lab File: VU026823.D
 Acq: 17 Sep 2018 14:23

Tgt Ion:112 Resp: 1179936
 Ion Ratio Lower Upper
 112 100
 114 32.6 22.3 41.5
 77 56.9 45.1 67.7





#52

Ethylbenzene

Concen: 224.441 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU026823.D

Acq: 17 Sep 2018 14:23

Instrument :

MSVOA_U

ClientSampleId :

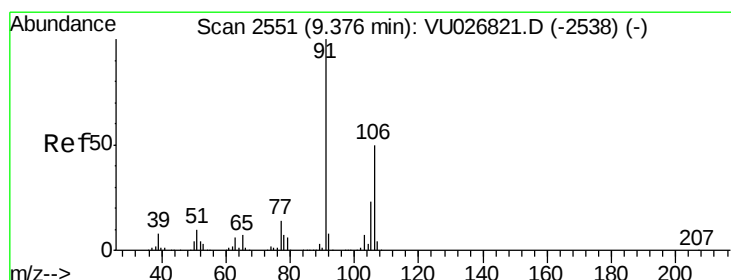
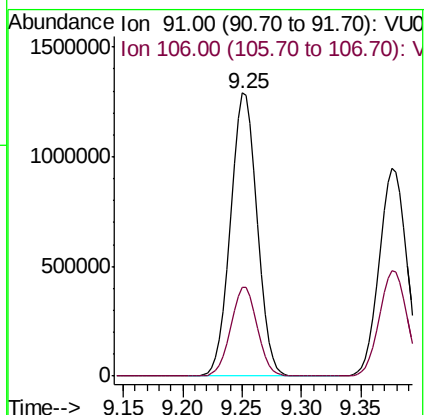
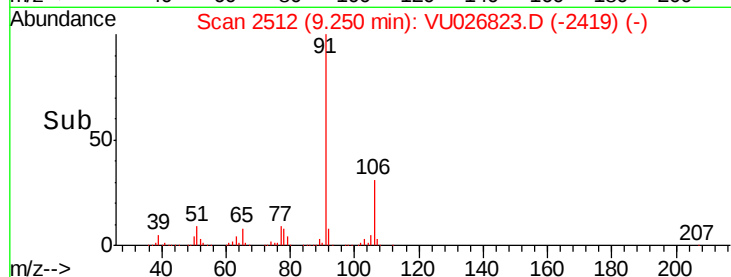
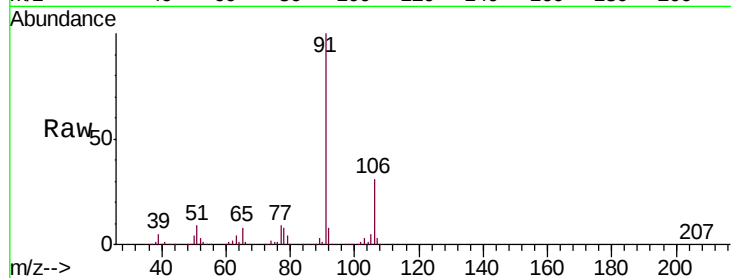
VSTD20053

Tgt Ion: 91 Resp: 2001857

Ion Ratio Lower Upper

91 100

106 31.4 22.0 40.8



#53

m,p-Xylene

Concen: 227.219 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU026823.D

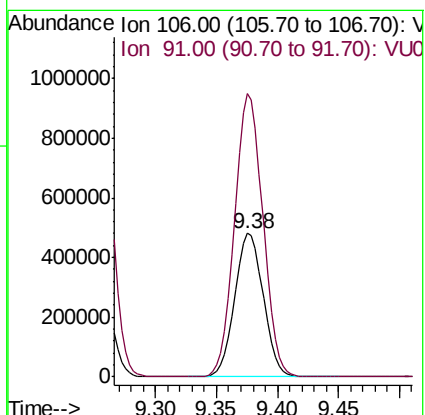
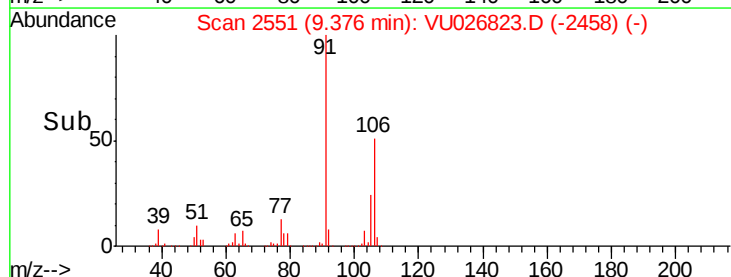
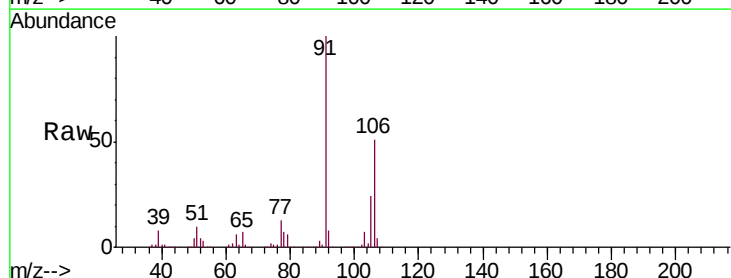
Acq: 17 Sep 2018 14:23

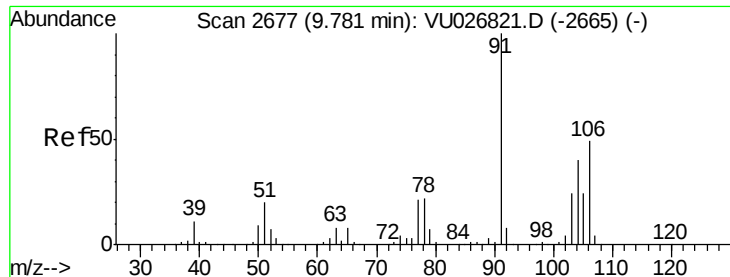
Tgt Ion: 106 Resp: 779095

Ion Ratio Lower Upper

106 100

91 197.2 139.2 258.6





#54

o-xylene

Concen: 231.818 ug/L

RT: 9.78 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VU026823.D

Acq: 17 Sep 2018 14:23

Instrument :

MSVOA_U

ClientSampleId :

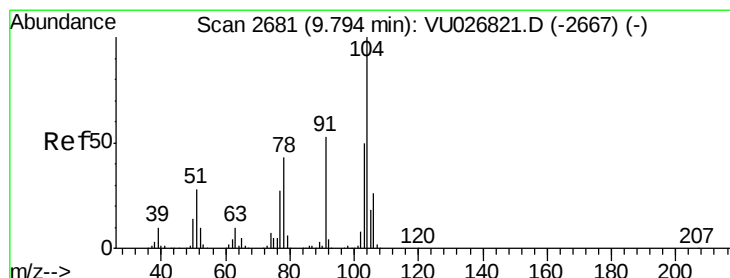
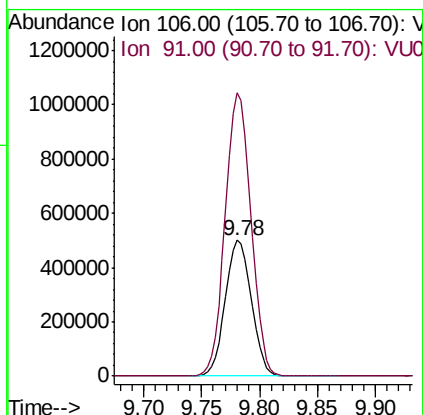
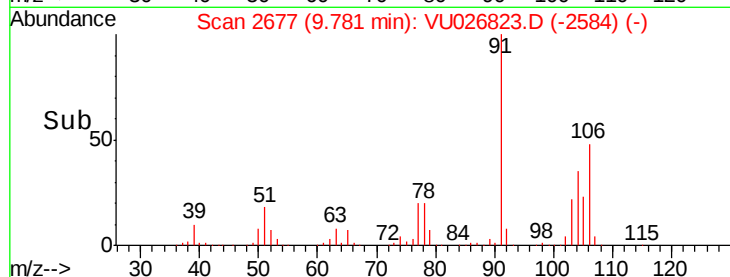
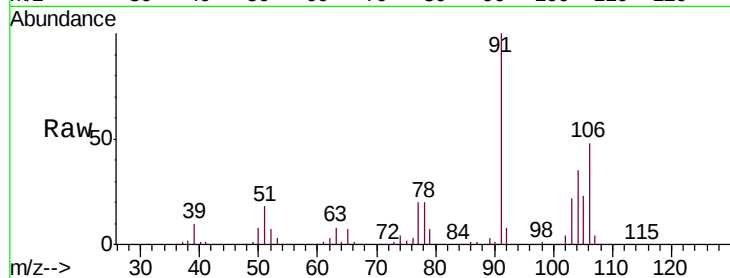
VSTD20053

Tgt Ion:106 Resp: 774471

Ion Ratio Lower Upper

106 100

91 208.7 143.1 265.9



#55

Styrene

Concen: 233.406 ug/L

RT: 9.79 min Scan# 2681

Delta R.T. -0.00 min

Lab File: VU026823.D

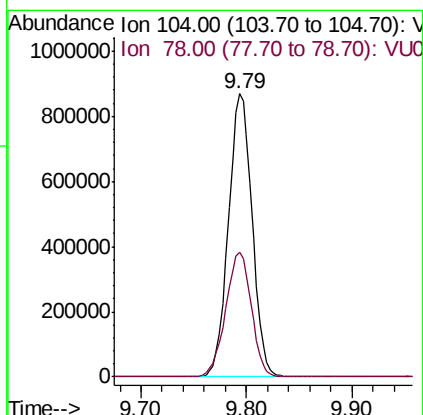
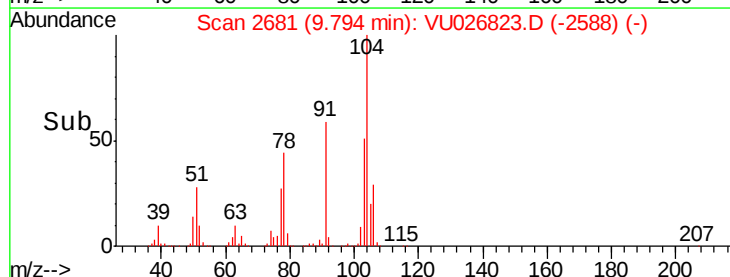
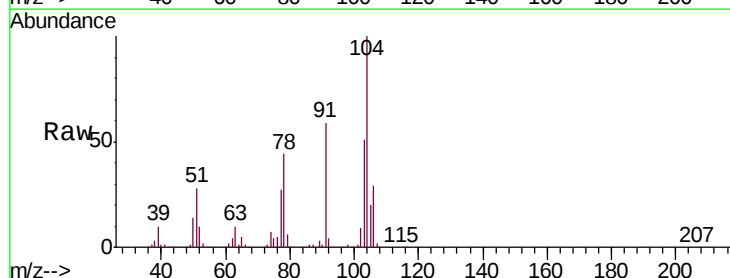
Acq: 17 Sep 2018 14:23

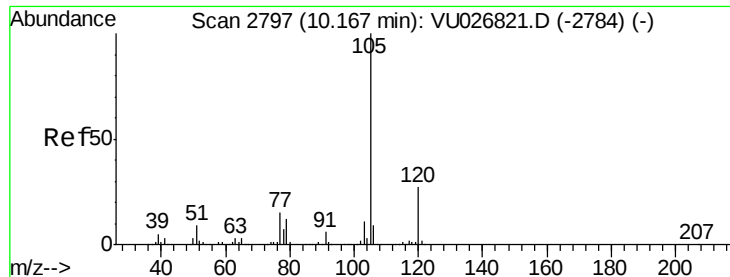
Tgt Ion:104 Resp: 1346280

Ion Ratio Lower Upper

104 100

78 44.2 30.5 56.7





#56

Isopropylbenzene

Concen: 234.641 ug/L

RT: 10.17 min Scan# 2798

Delta R.T. 0.00 min

Lab File: VU026823.D

Acq: 17 Sep 2018 14:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD20053

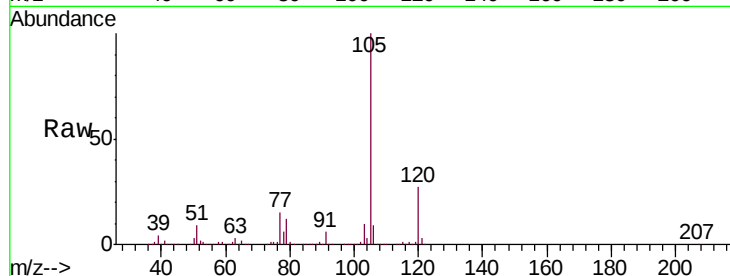
Tgt Ion:105 Resp: 2002402

Ion Ratio Lower Upper

105 100

120 26.9 21.4 32.2

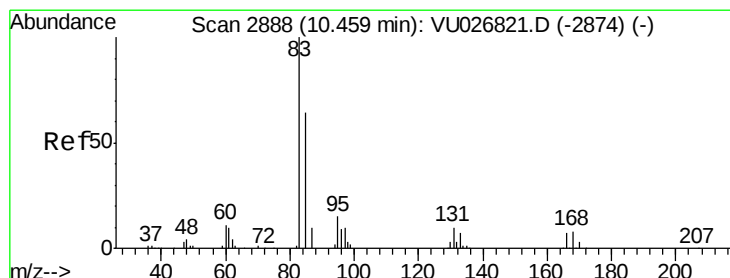
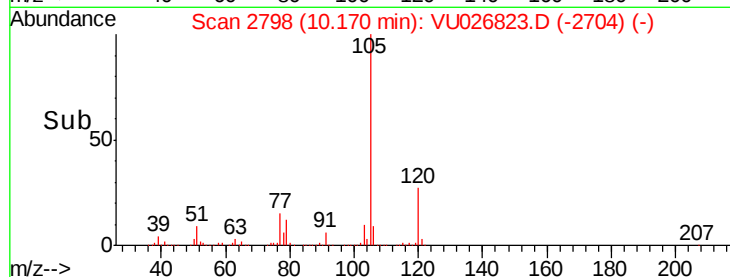
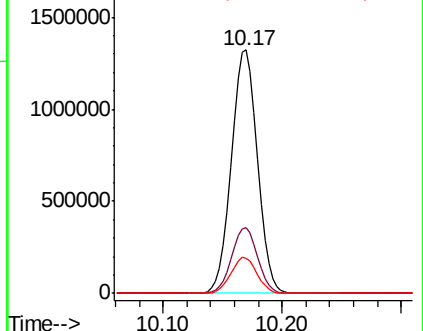
77 14.8 12.2 18.4



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: 202.858 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU026823.D

Acq: 17 Sep 2018 14:23

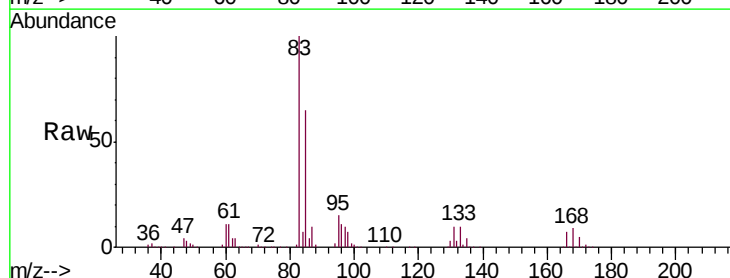
Tgt Ion: 83 Resp: 719002

Ion Ratio Lower Upper

83 100

85 64.6 45.4 84.2

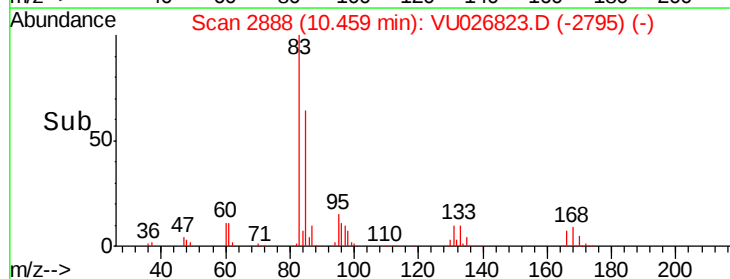
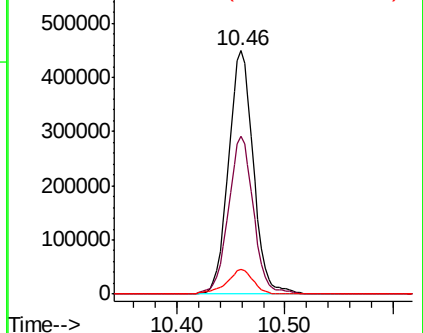
131 10.1 7.9 11.9

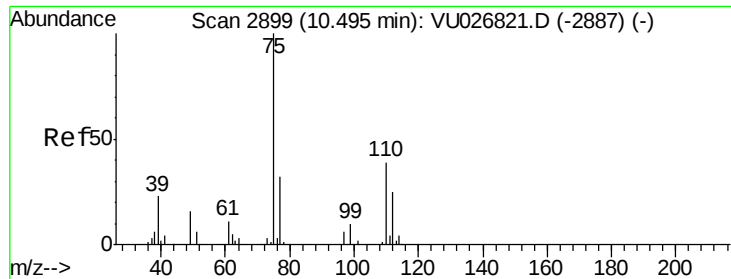


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 201.152 ug/L

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU026823.D

Acq: 17 Sep 2018 14:23

Instrument :

MSVOA_U

ClientSampleId :

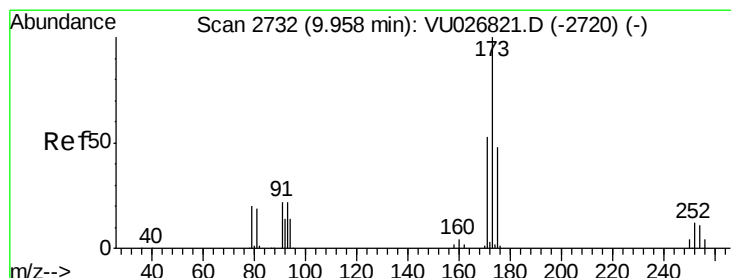
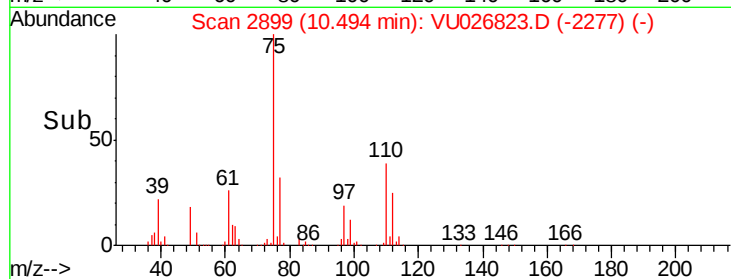
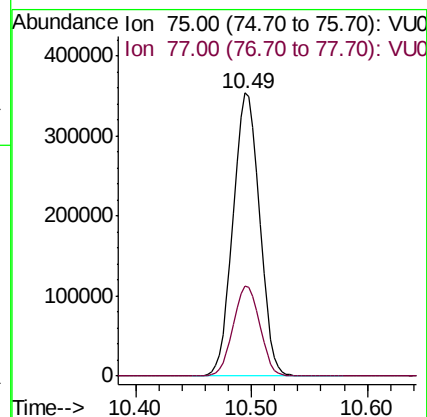
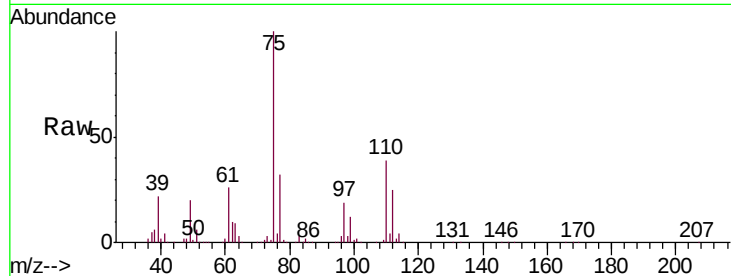
VSTD20053

Tgt Ion: 75 Resp: 556917

Ion Ratio Lower Upper

75 100

77 32.0 25.5 38.3



#61

Bromoform

Concen: 189.811 ug/L

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026823.D

Acq: 17 Sep 2018 14:23

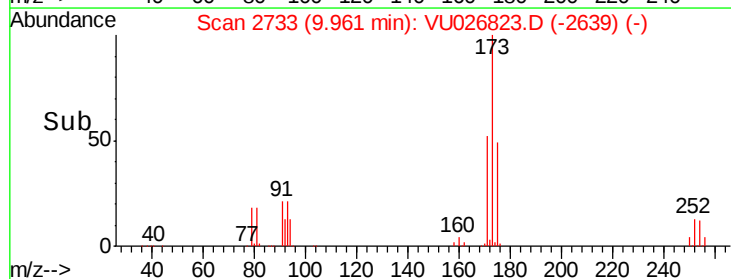
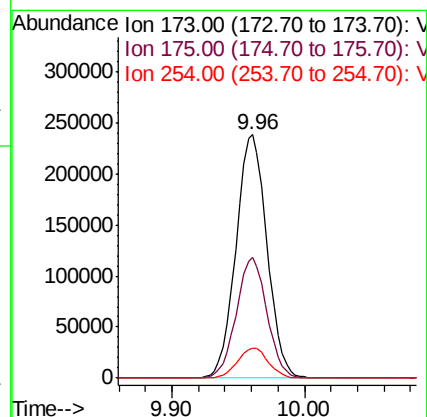
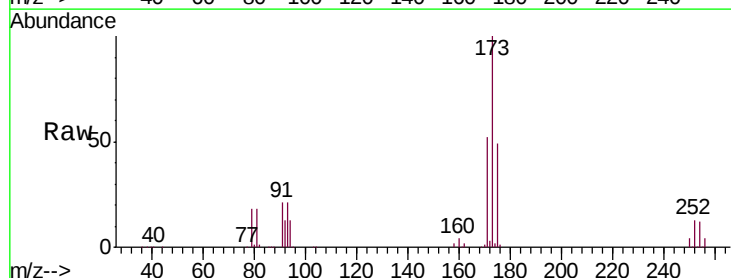
Tgt Ion: 173 Resp: 386242

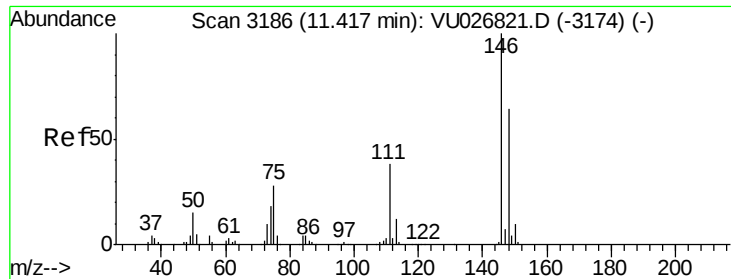
Ion Ratio Lower Upper

173 100

175 49.0 38.6 57.8

254 12.2 9.4 14.2

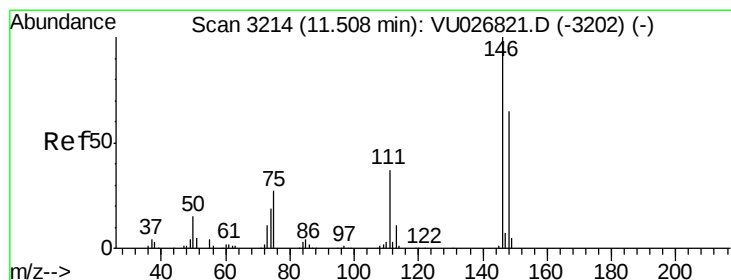
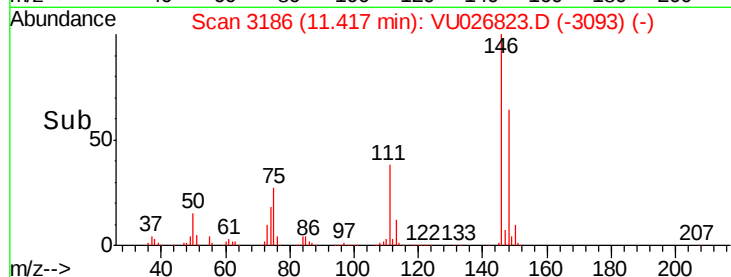
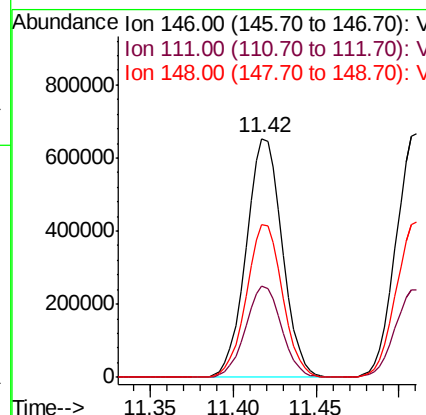
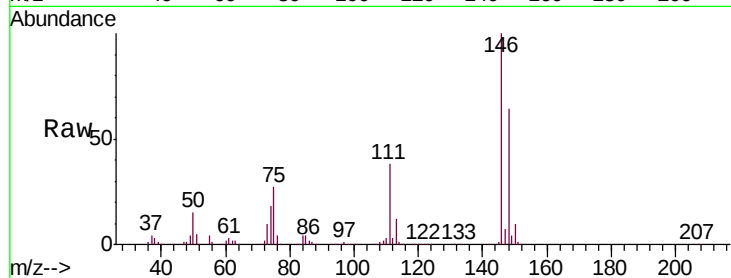




#62
 1,3-Dichlorobenzene
 Concen: 209.489 ug/L
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU026823.D
 Acq: 17 Sep 2018 14:23

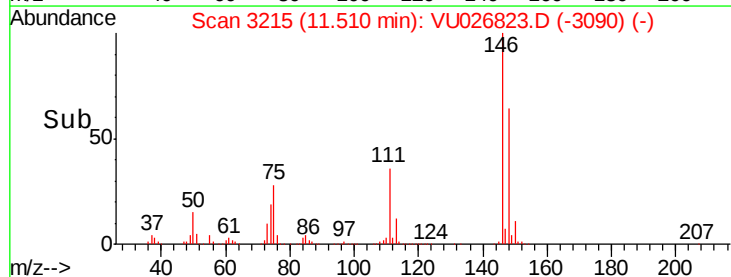
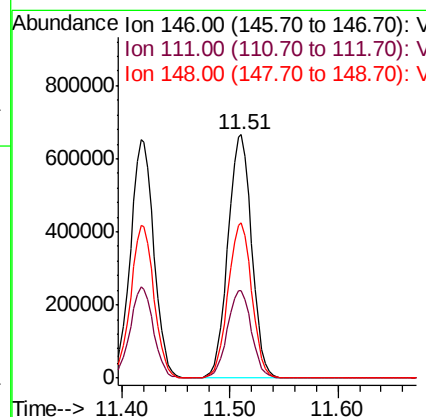
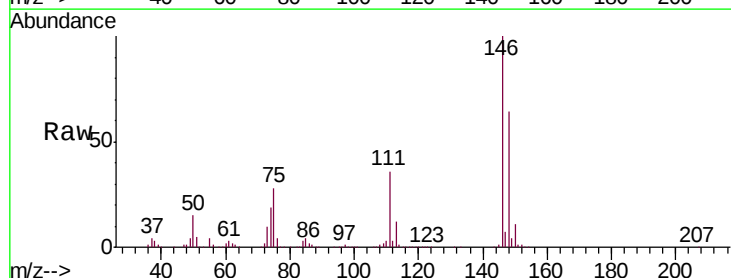
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20053

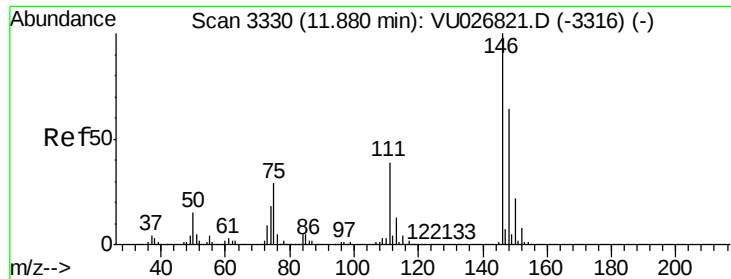
Tgt Ion:146 Resp: 988211
 Ion Ratio Lower Upper
 146 100
 111 38.2 26.7 49.7
 148 63.8 44.9 83.5



#63
 1,4-Dichlorobenzene
 Concen: 195.913 ug/L
 RT: 11.51 min Scan# 3215
 Delta R.T. 0.00 min
 Lab File: VU026823.D
 Acq: 17 Sep 2018 14:23

Tgt Ion:146 Resp: 1017637
 Ion Ratio Lower Upper
 146 100
 111 36.1 26.0 48.2
 148 63.9 45.8 85.2

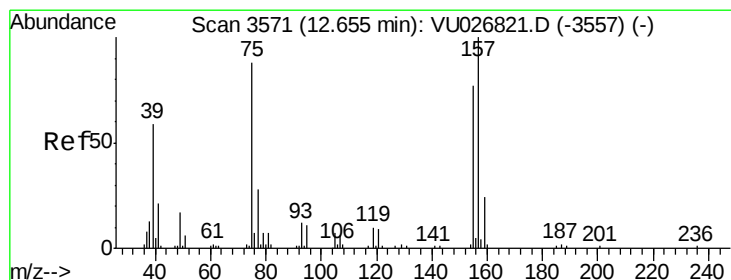
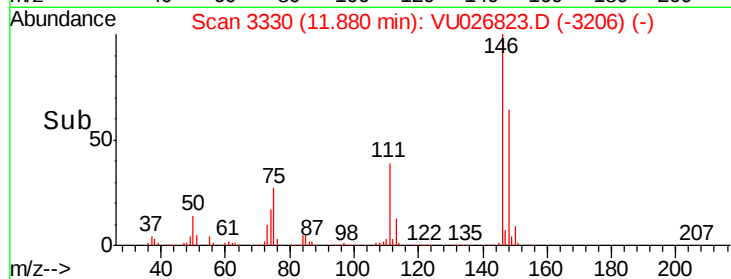
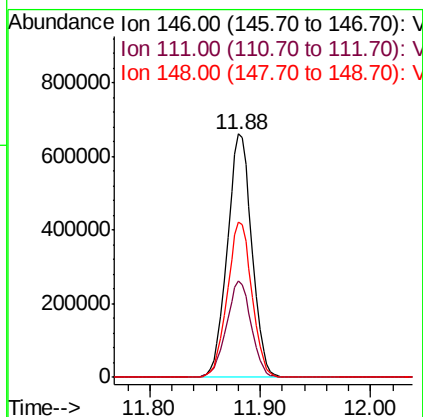
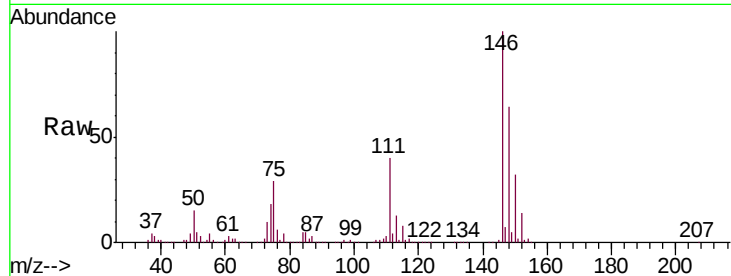




#65
 1,2-Dichlorobenzene
 Concen: 194.950 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU026823.D
 Acq: 17 Sep 2018 14:23

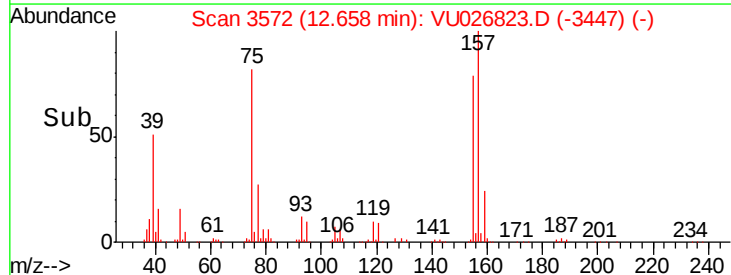
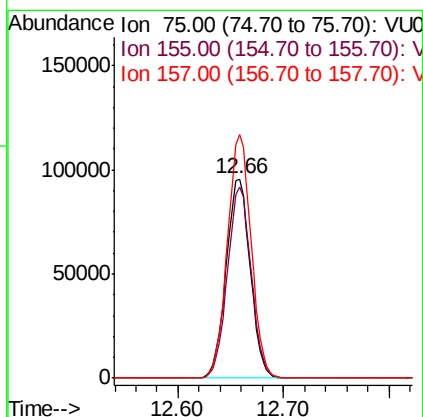
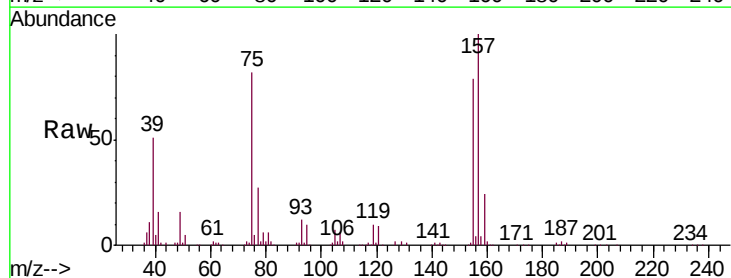
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20053

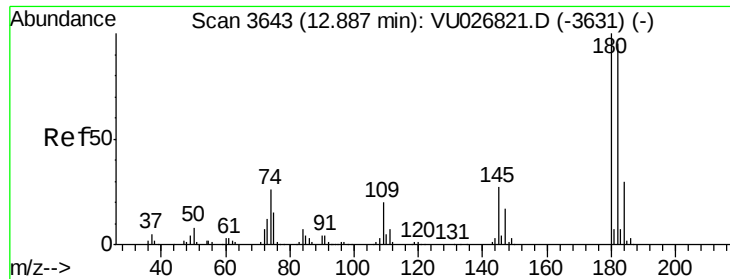
Tgt Ion:146 Resp: 1018271
 Ion Ratio Lower Upper
 146 100
 111 39.6 31.4 47.0
 148 63.6 51.4 77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 189.997 ug/L
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU026823.D
 Acq: 17 Sep 2018 14:23

Tgt Ion: 75 Resp: 150555
 Ion Ratio Lower Upper
 75 100
 155 96.2 69.5 104.3
 157 122.4 90.5 135.7

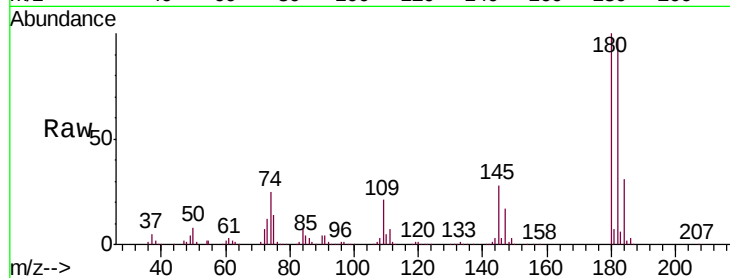




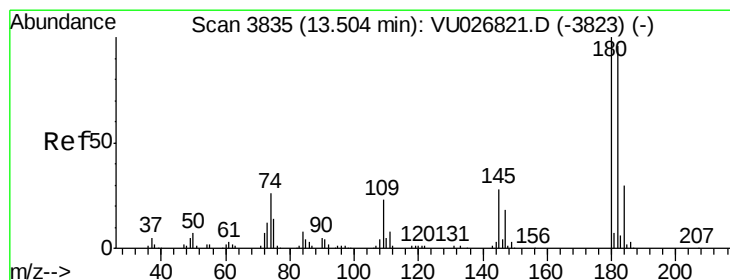
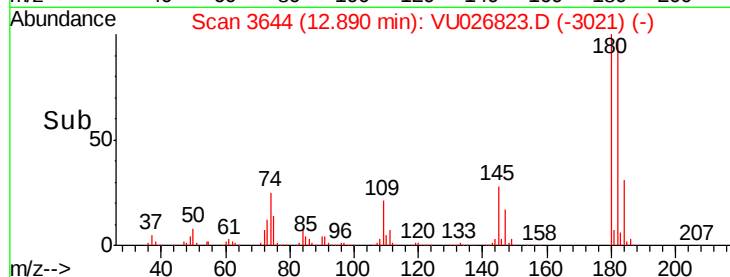
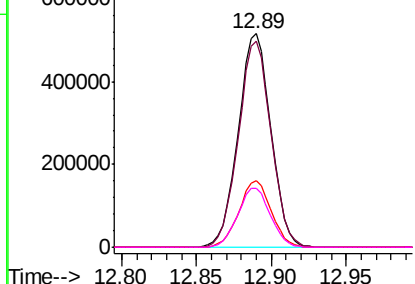
#67
 1,3,5-Trichlorobenzene
 Concen: 214.735 ug/L
 RT: 12.89 min Scan# 3644
 Delta R.T. 0.00 min
 Lab File: VU026823.D
 Acq: 17 Sep 2018 14:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20053

Tgt Ion:	180	Resp:	783865
Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.7	115.1
184	30.9	24.2	36.4
145	27.6	21.8	32.6

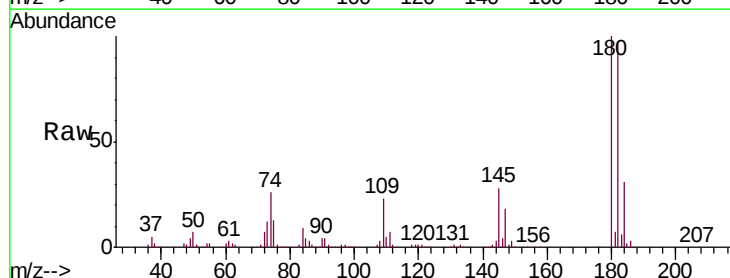


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

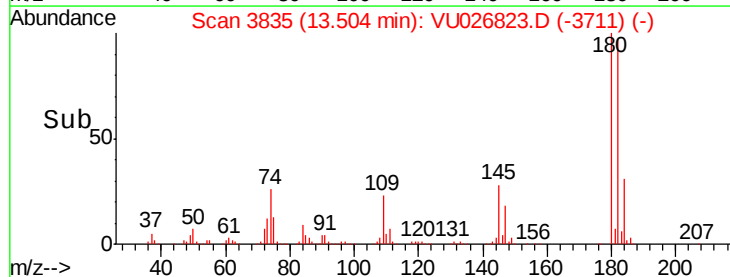
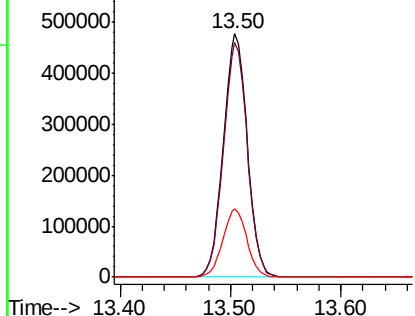


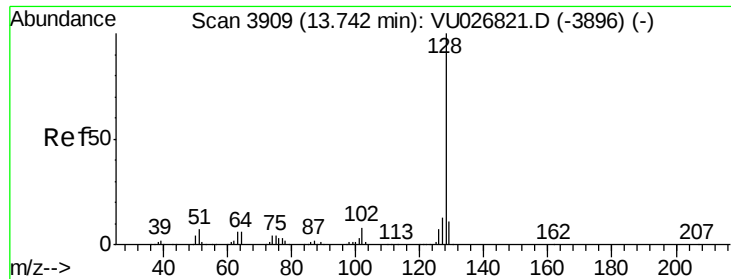
#68
 1,2,4-trichlorobenzene
 Concen: 228.749 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU026823.D
 Acq: 17 Sep 2018 14:23

Tgt Ion:	180	Resp:	719567
Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.8	115.2
145	27.9	22.2	33.2



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: 241.379 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. -0.00 min

Lab File: VU026823.D

Acq: 17 Sep 2018 14:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD20053

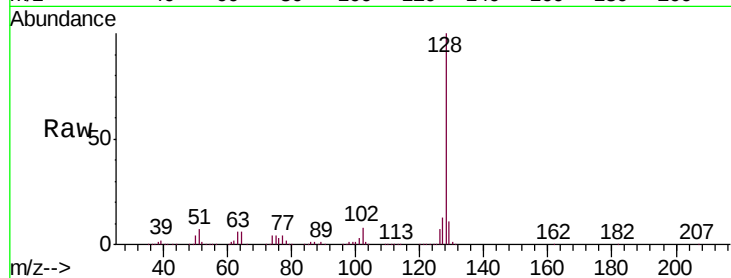
Tgt Ion:128 Resp: 2236924

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

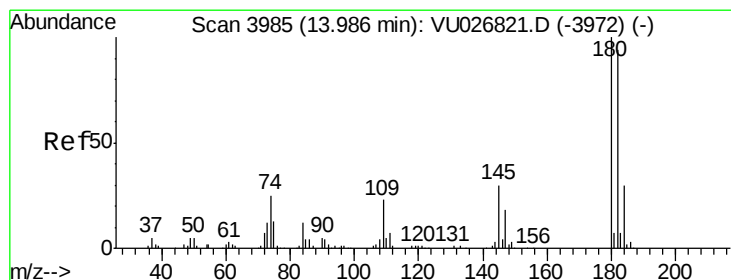
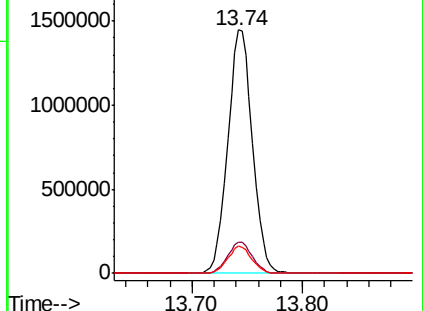
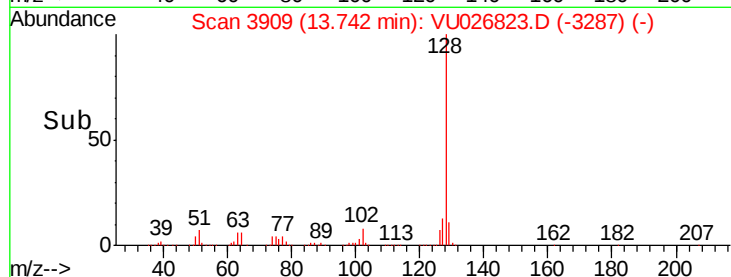
129 10.9 8.6 12.8



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: 214.402 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. -0.00 min

Lab File: VU026823.D

Acq: 17 Sep 2018 14:23

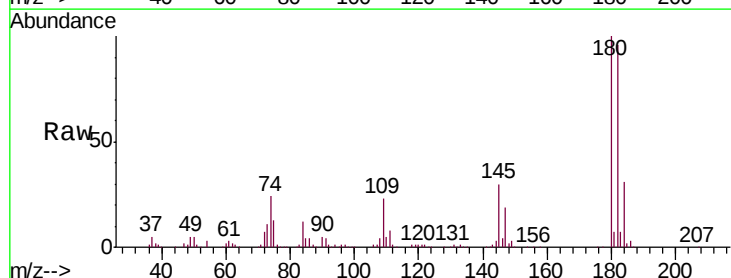
Tgt Ion:180 Resp: 742705

Ion Ratio Lower Upper

180 100

182 96.1 75.6 113.4

145 29.8 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

