

Data File : VU036740.D
Acq On : 12 Feb 2020 09:35
Operator : JC/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFB05

Quant Time: Feb 13 00:43:46 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Feb 12 08:13:11 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	122986	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	114447	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	52650	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	51739	4.89	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.80%
7) Chloroethane-d5	1.93	69	45471	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.00%
11) 1,1-Dichloroethene-d2	2.59	63	85367	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.60%
20) 2-Butanone-d5	4.69	46	120486	54.32	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.64%
24) Chloroform-d	5.11	84	81588	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.00%
26) 1,2-Dichloroethane-d4	5.74	65	45880	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
32) Benzene-d6	5.77	84	172068	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
36) 1,2-Dichloropropane-d6	6.73	67	55331	5.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.20%
41) Toluene-d8	7.93	98	159504	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
43) trans-1,3-Dichloropropene-	8.21	79	21612	5.03	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.60%
46) 2-Hexanone-d5	8.67	63	101624	51.84	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.68%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	43439	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.80%
64) 1,2-Dichlorobenzene-d4	12.21	152	51227	4.87	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	41191	5.071	ug/L 100
3) Chloromethane	1.53	50	44327	5.243	ug/L 96
5) Vinyl chloride	1.62	62	51452	5.210	ug/L 95
6) Bromomethane	1.87	94	30801	5.191	ug/L 97
8) Chloroethane	1.95	64	34265	4.967	ug/L 99
9) Trichlorofluoromethane	2.16	101	65351	5.030	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	41497	5.002	ug/L 99
12) 1,1-Dichloroethene	2.60	96	37375	4.996	ug/L 94
13) Acetone	2.68	43	153926	54.272	ug/L 100
14) Carbon disulfide	2.82	76	90915	5.036	ug/L 100
15) Methyl Acetate	2.99	43	18715	4.973	ug/L 97
16) Methylene chloride	3.08	84	46272	3.669	ug/L 97
17) Methyl tert-butyl Ether	3.41	73	114303	5.159	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	39589	5.128	ug/L 96
19) 1,1-Dichloroethane	3.91	63	83264	5.143	ug/L 99
21) 2-Butanone	4.77	43	177331	53.749	ug/L 99
22) cis-1,2-Dichloroethene	4.71	96	48114	5.150	ug/L 99

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration

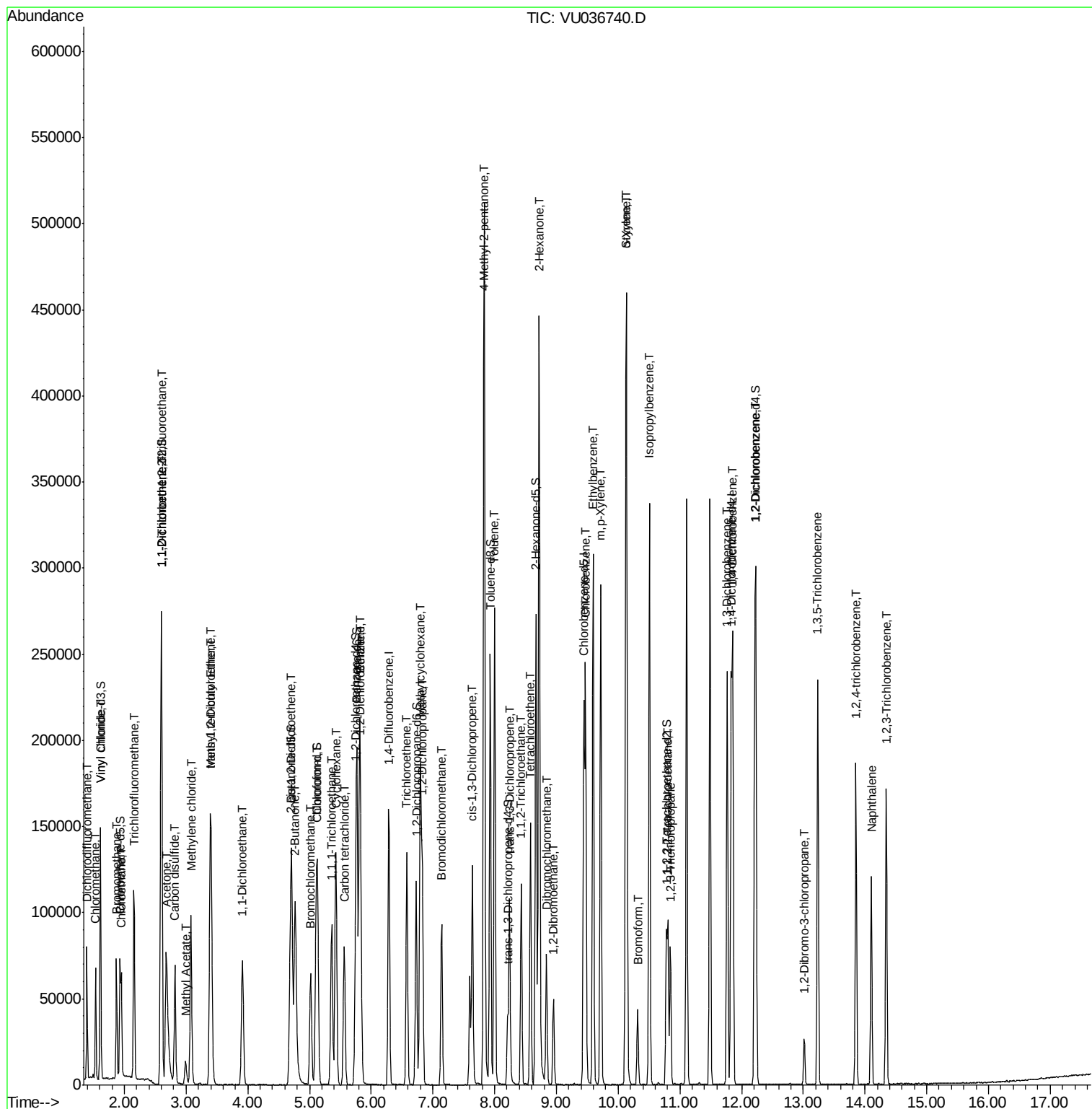
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	19753	5.319	ug/L	95
25) Chloroform	5.13	83	86455	5.000	ug/L	99
27) 1,2-Dichloroethane	5.83	62	55914	5.074	ug/L	96
29) 1,1,1-Trichloroethane	5.36	97	63787	5.075	ug/L	99
30) Cyclohexane	5.43	56	68078	5.099	ug/L	100
31) Carbon tetrachloride	5.56	117	51487	5.077	ug/L	97
33) Benzene	5.81	78	180650	5.117	ug/L	100
34) Trichloroethene	6.58	95	45831	5.097	ug/L	98
35) Methylcyclohexane	6.80	83	73388	5.144	ug/L	98
37) 1,2-Dichloropropane	6.83	63	50064	5.194	ug/L	100
38) Bromodichloromethane	7.14	83	59825	5.201	ug/L	95
39) cis-1,3-Dichloropropene	7.64	75	72753	5.216	ug/L	98
40) 4-Methyl-2-pentanone	7.83	43	332722	53.493	ug/L	100
42) Toluene	8.00	91	198309	5.231	ug/L	97
44) trans-1,3-Dichloropropene	8.24	75	58373	5.356	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	35730	5.328	ug/L	97
47) Tetrachloroethene	8.58	164	30489	4.985	ug/L	98
48) 2-Hexanone	8.72	43	284298	53.411	ug/L	98
49) Dibromochloromethane	8.84	129	37517	5.410	ug/L	94
50) 1,2-Dibromoethane	8.95	107	31046	5.126	ug/L	99
51) Chlorobenzene	9.47	112	119874	5.111	ug/L	98
52) Ethylbenzene	9.60	91	216556	5.114	ug/L	100
53) m,p-Xylene	9.72	106	79096	5.076	ug/L	94
54) o-Xylene	10.12	106	79483	5.194	ug/L	97
55) Styrene	10.14	104	131499	5.097	ug/L	96
56) Isopropylbenzene	10.51	105	210769	5.147	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	46153	5.258	ug/L	97
59) 1,2,3-Trichloropropane	10.85	75	32557	5.116	ug/L	99
61) Bromoform	10.32	173	18628	5.135	ug/L	96
62) 1,3-Dichlorobenzene	11.77	146	90255	4.976	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	89557	4.980	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	86901	4.969	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	6883	5.274	ug/L	88
67) 1,3,5-Trichlorobenzene	13.24	180	65228	5.108	ug/L	99
68) 1,2,4-trichlorobenzene	13.85	180	49352	5.125	ug/L	99
69) Naphthalene	14.10	128	89901	5.153	ug/L	99
70) 1,2,3-Trichlorobenzene	14.34	180	45620	5.279	ug/L	98

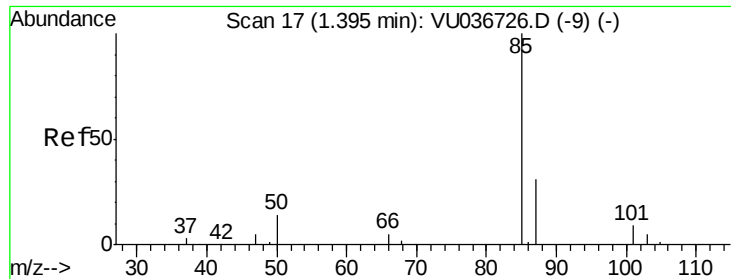
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.071 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036740.D

Acq: 12 Feb 2020 09:35

Instrument :

MSVOA_U

ClientSampleId :

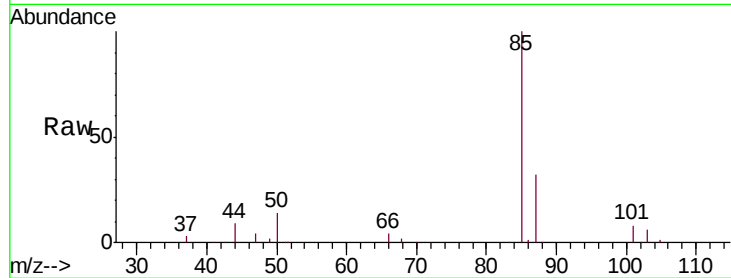
BFB05

Tgt Ion: 85 Resp: 41191

Ion Ratio Lower Upper

85 100

87 31.9 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VU036726.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU036726.D (-9) (-)

1.39

40000

30000

20000

10000

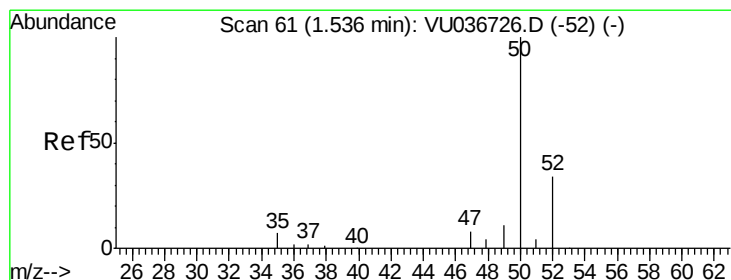
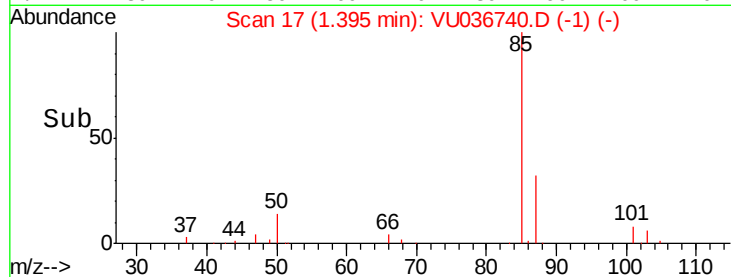
0

1.35

1.40

1.45

Time-->



#3

Chloromethane

Concen: 5.243 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU036740.D

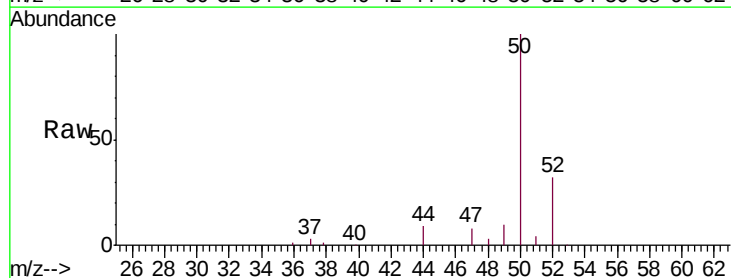
Acq: 12 Feb 2020 09:35

Tgt Ion: 50 Resp: 44327

Ion Ratio Lower Upper

50 100

52 31.9 23.8 44.2



Abundance Ion 50.05 (49.75 to 50.75): VU036726.D (-52) (-)

Ion 52.05 (51.75 to 52.75): VU036726.D (-52) (-)

1.53

40000

30000

20000

10000

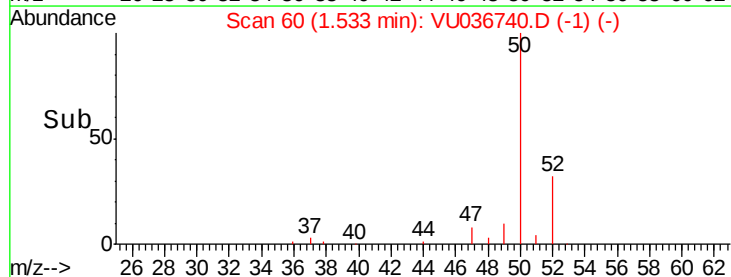
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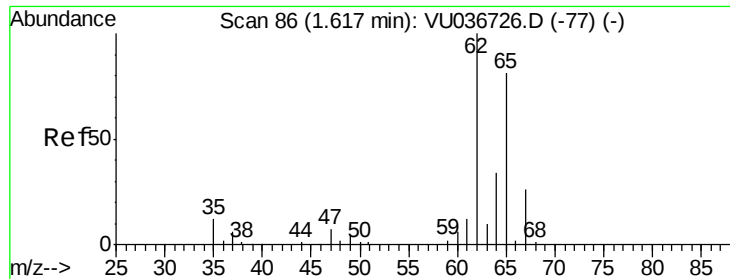
1.50

1.55

1.60

Time-->





#5

Vinyl chloride

Concen: 5.210 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU036740.D

Acq: 12 Feb 2020 09:35

Instrument :

MSVOA_U

ClientSampleId :

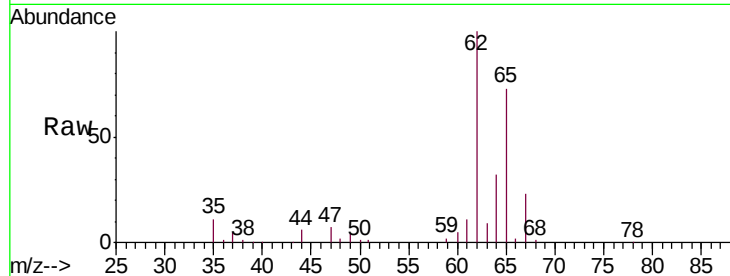
BFB05

Tgt Ion: 62 Resp: 51452

Ion Ratio Lower Upper

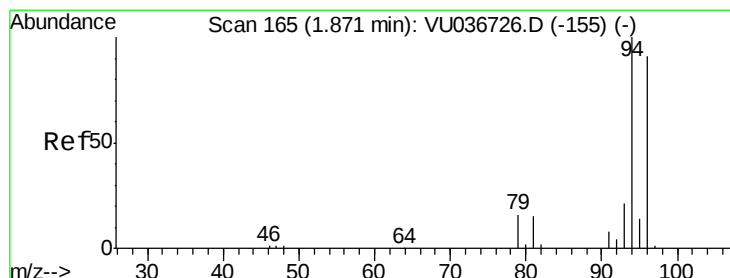
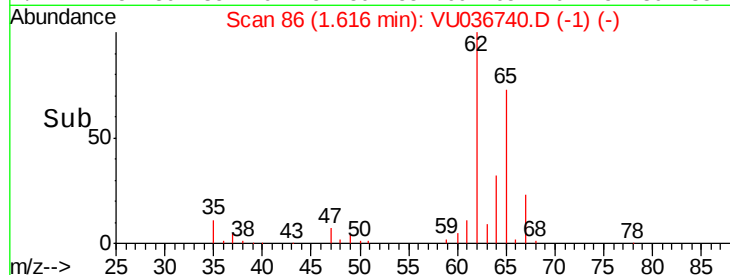
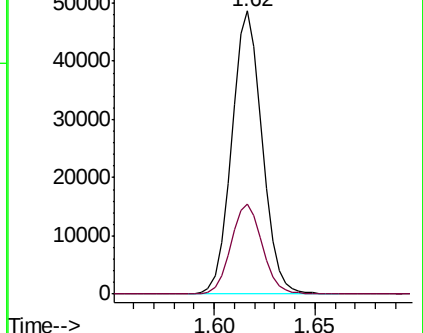
62 100

64 31.8 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU036726.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU036726.D (-77) (-)



#6

Bromomethane

Concen: 5.191 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU036740.D

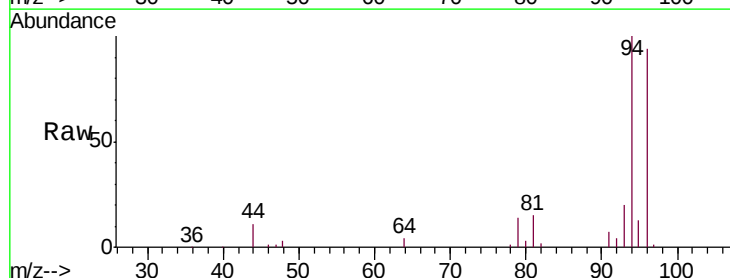
Acq: 12 Feb 2020 09:35

Tgt Ion: 94 Resp: 30801

Ion Ratio Lower Upper

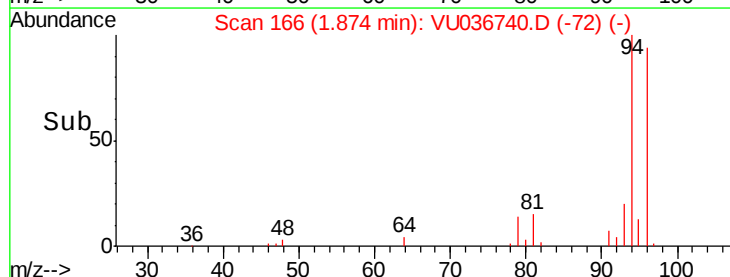
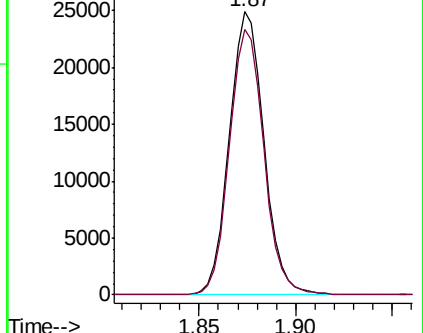
94 100

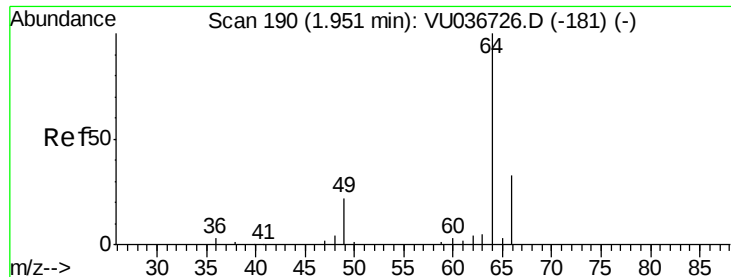
96 93.7 63.3 117.7



Abundance Ion 94.00 (93.70 to 94.70): VU036726.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU036726.D (-155) (-)





#8

Chloroethane

Concen: 4.967 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU036740.D

Acq: 12 Feb 2020 09:35

Instrument :

MSVOA_U

ClientSampleId :

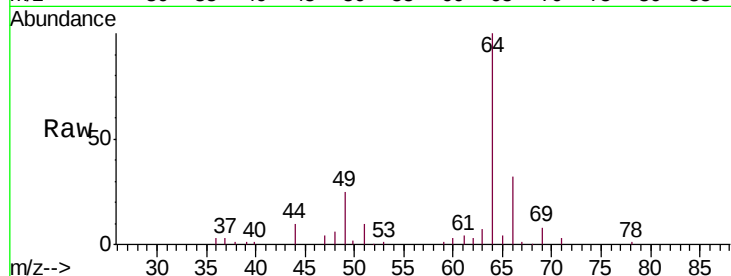
BFB05

Tgt Ion: 64 Resp: 34265

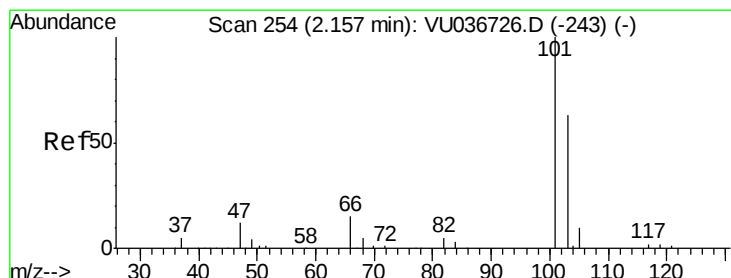
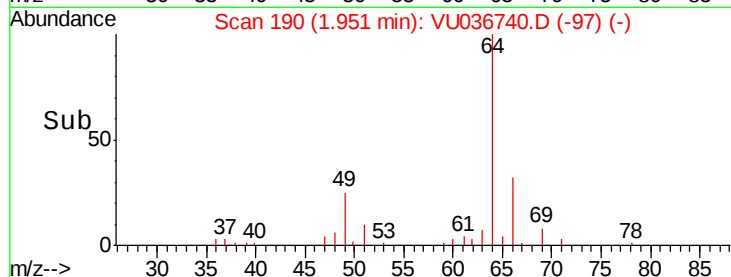
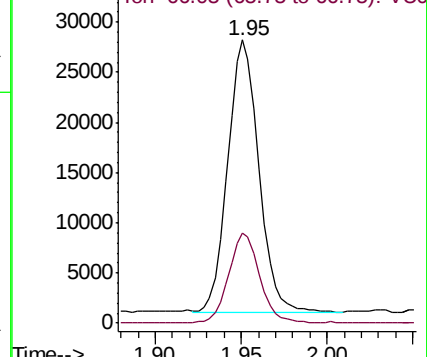
Ion Ratio Lower Upper

64 100

66 31.9 21.8 40.6



Abundance Ion 64.10 (63.80 to 64.80): VU036740.D (-97) (-)



#9

Trichlorofluoromethane

Concen: 5.030 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU036740.D

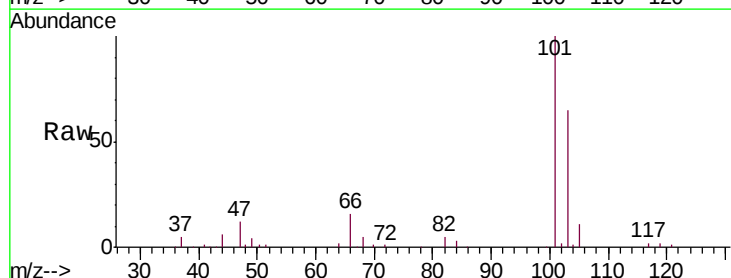
Acq: 12 Feb 2020 09:35

Tgt Ion: 101 Resp: 65351

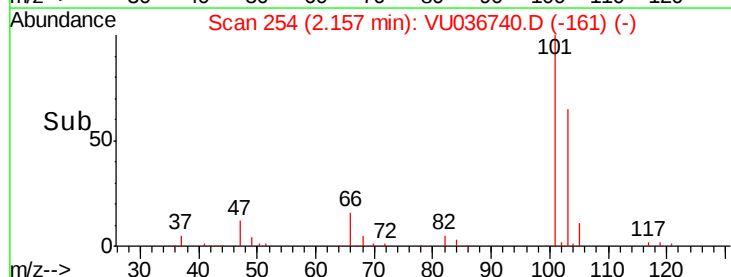
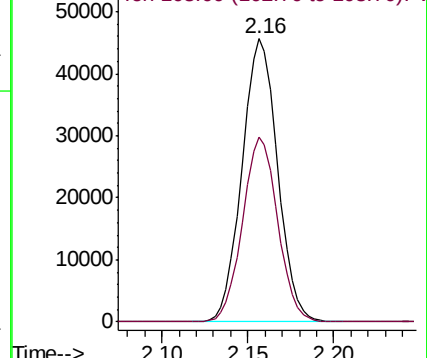
Ion Ratio Lower Upper

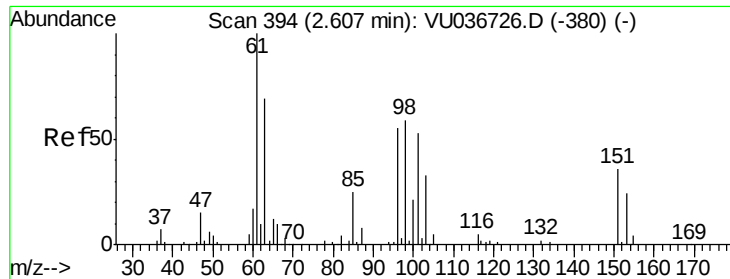
101 100

103 64.5 51.0 76.6



Abundance Ion 101.00 (100.70 to 101.70): VU036740.D (-161) (-)





#10

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

Concen: 5.002 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036740.D

Acq: 12 Feb 2020 09:35

Instrument :

MSVOA_U

ClientSampled :

BFB05

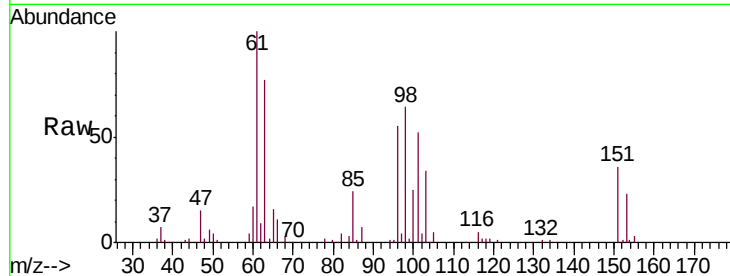
Tgt Ion: 101 Resp: 41497

Ion Ratio Lower Upper

101 100

85 44.9 36.4 54.6

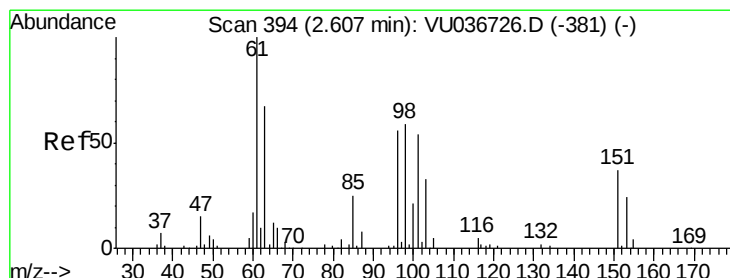
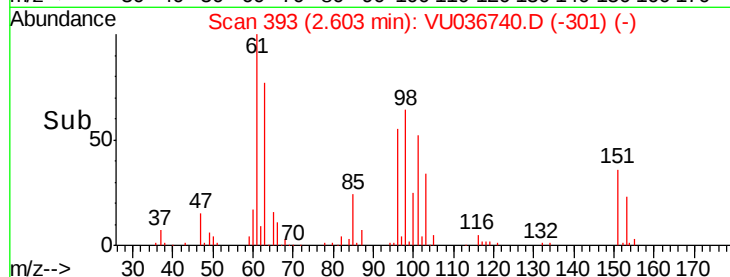
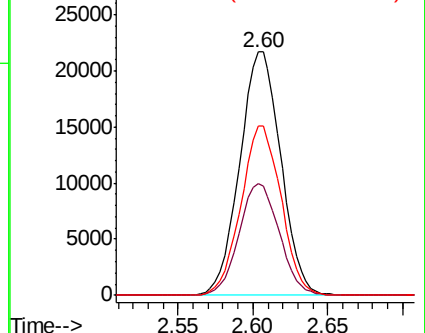
151 67.7 54.0 81.0



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: 4.996 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036740.D

Acq: 12 Feb 2020 09:35

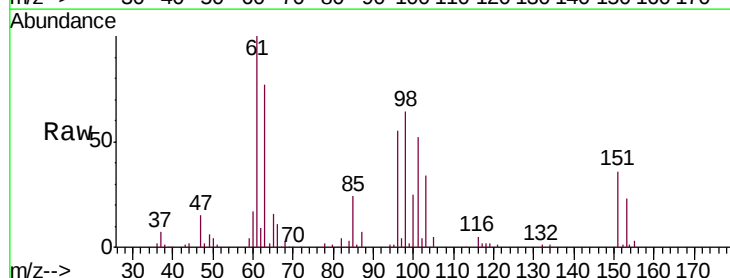
Tgt Ion: 96 Resp: 37375

Ion Ratio Lower Upper

96 100

61 182.6 126.4 234.8

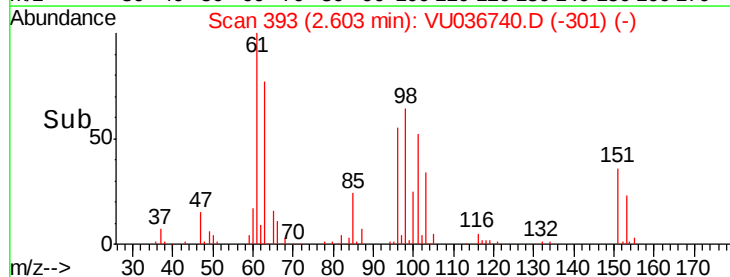
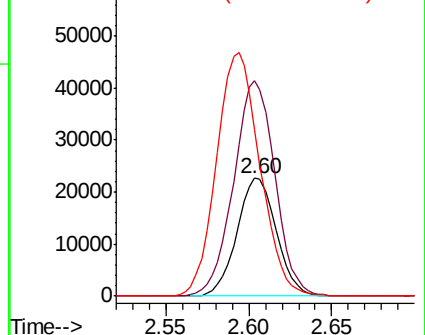
63 141.5 89.5 166.3

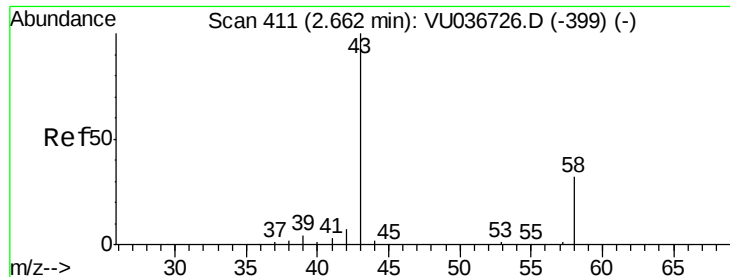


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 54.272 ug/L

RT: 2.68 min Scan# 417

Delta R.T. 0.02 min

Lab File: VU036740.D

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ClientSampleId :

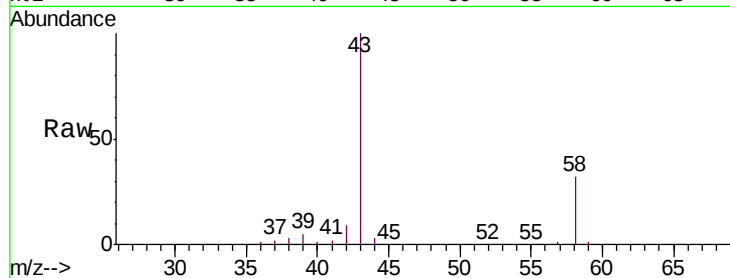
BFB05

Tgt Ion: 43 Resp: 153926

Ion Ratio Lower Upper

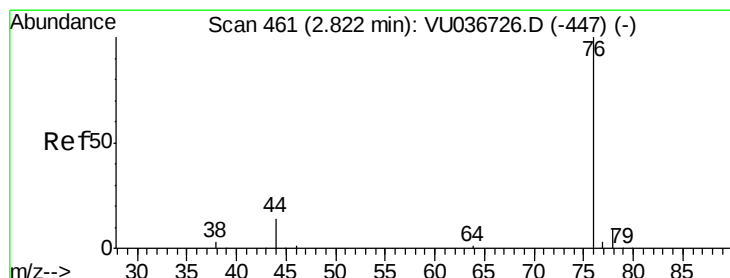
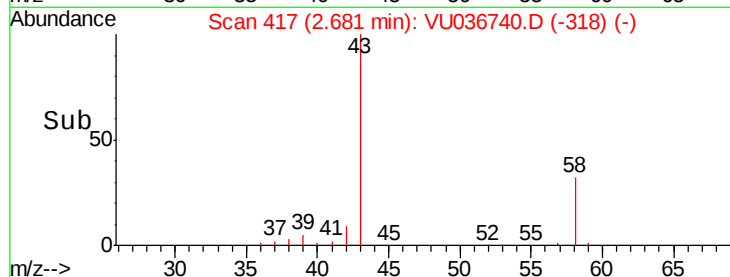
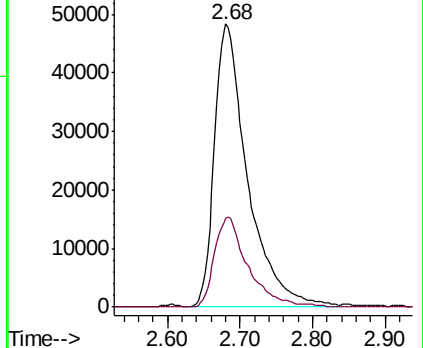
43 100

58 32.1 0.0 64.2



Abundance Ion 43.05 (42.75 to 43.75): VU036740.D (-318) (-)

Ion 58.05 (57.75 to 58.75): VU036740.D (-318) (-)



#14

Carbon disulfide

Concen: 5.036 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU036740.D

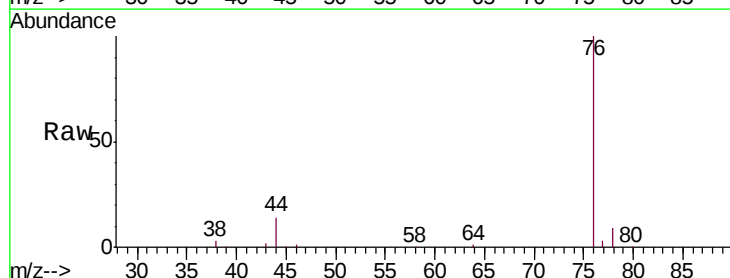
Acq: 12 Feb 2020 09:35

Tgt Ion: 76 Resp: 90915

Ion Ratio Lower Upper

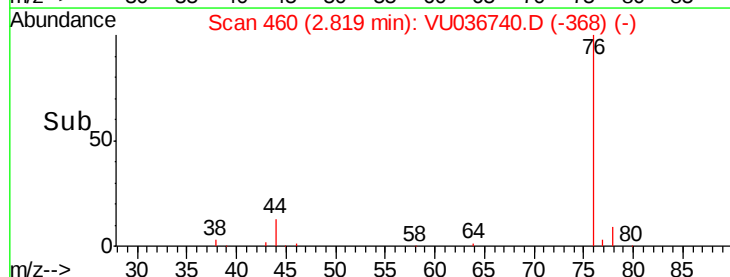
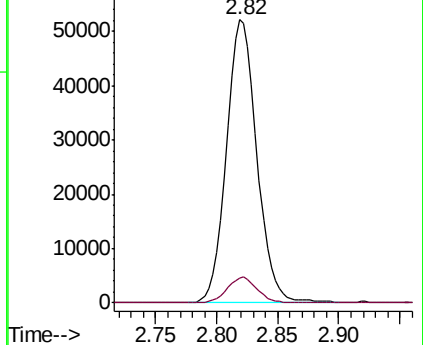
76 100

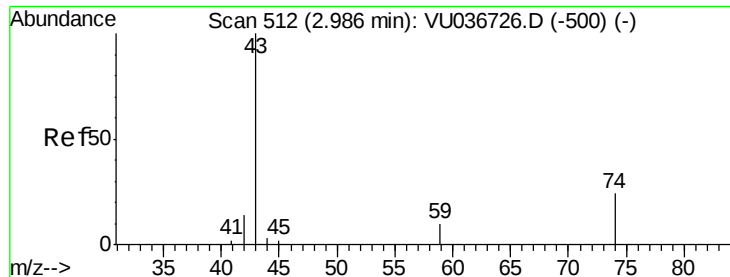
78 8.9 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU036740.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VU036740.D (-368) (-)

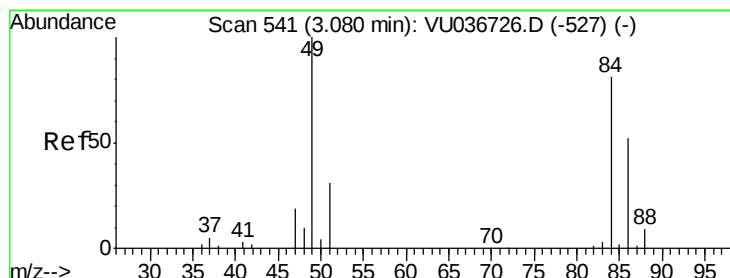
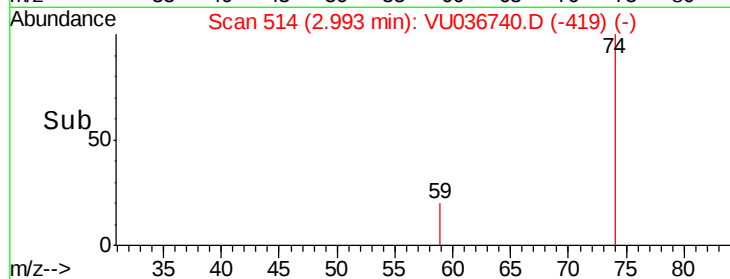
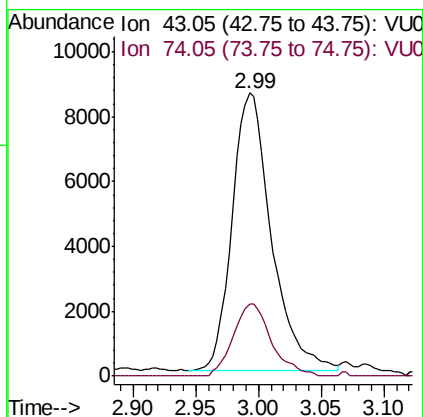
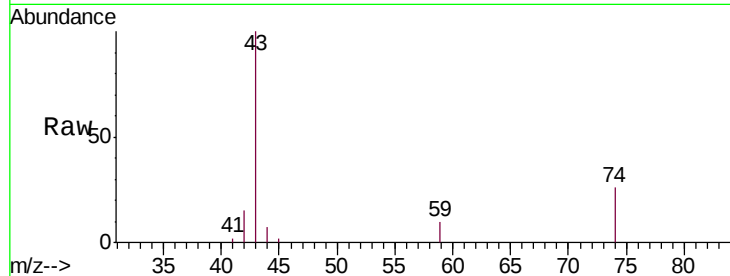




#15
Methyl Acetate
Concen: 4.973 ug/L
RT: 2.99 min Scan# 514
Delta R.T. 0.01 min
Lab File: VU036740.D
Acq: 12 Feb 2020 09:35

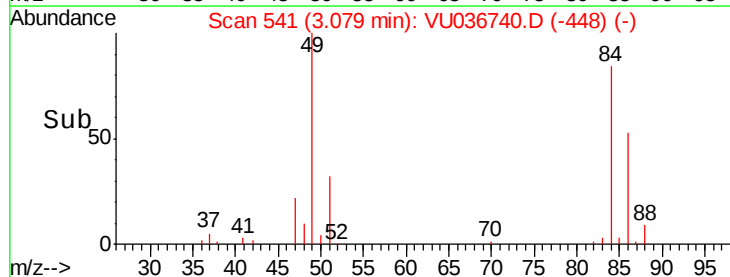
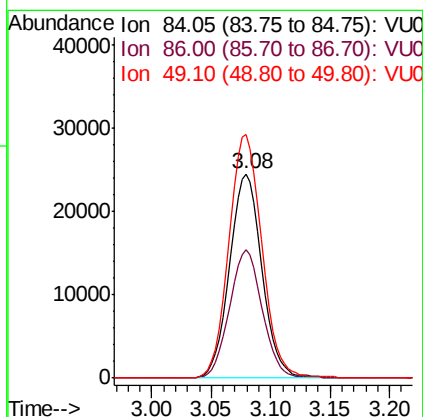
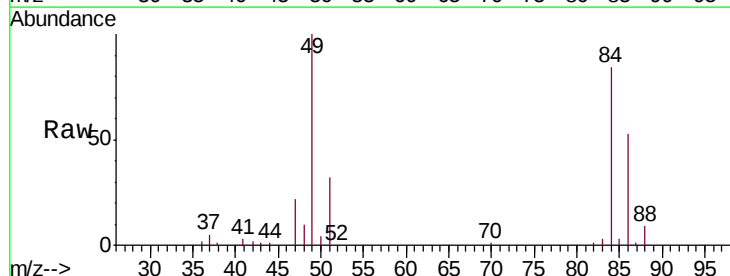
Instrument :
MSVOA_U
ClientSampleId :
BFB05

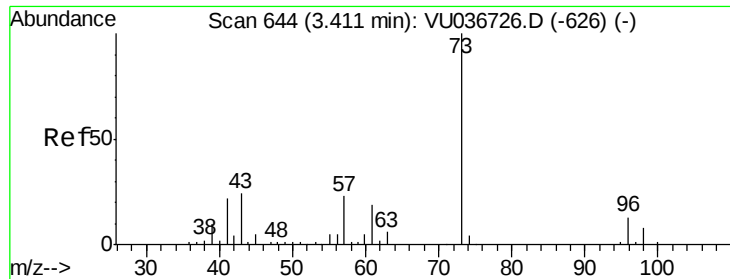
Tgt Ion: 43 Resp: 18715
Ion Ratio Lower Upper
43 100
74 25.2 19.0 28.4



#16
Methylene chloride
Concen: 3.669 ug/L
RT: 3.08 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU036740.D
Acq: 12 Feb 2020 09:35

Tgt Ion: 84 Resp: 46272
Ion Ratio Lower Upper
84 100
86 62.8 44.7 82.9
49 119.2 86.7 160.9

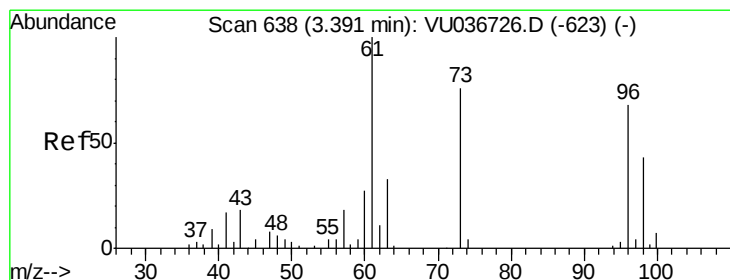
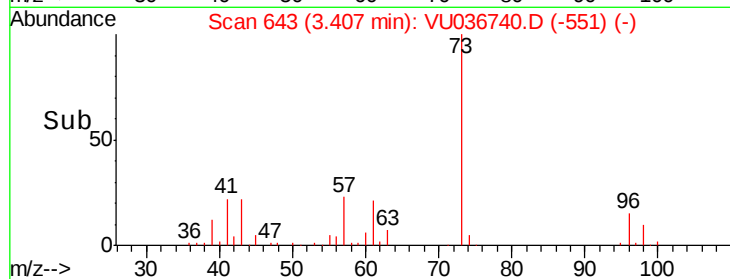
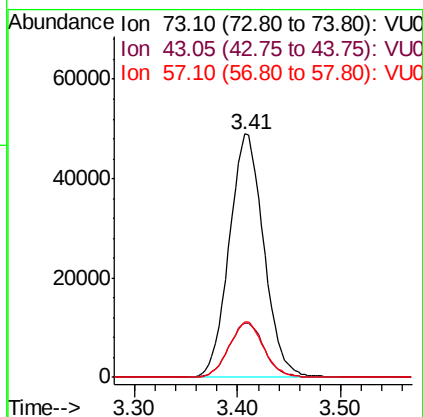
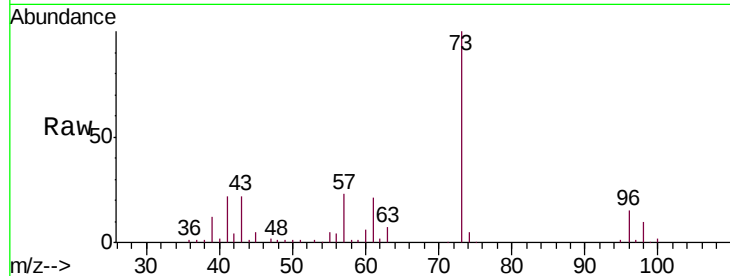




#17
Methyl tert-butyl Ether
Concen: 5.159 ug/L
RT: 3.41 min Scan# 643
Delta R.T. -0.00 min
Lab File: VU036740.D
Acq: 12 Feb 2020 09:35

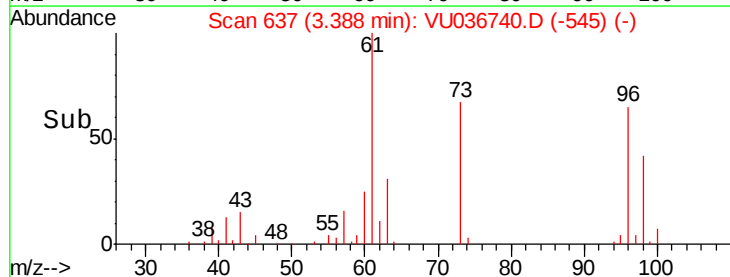
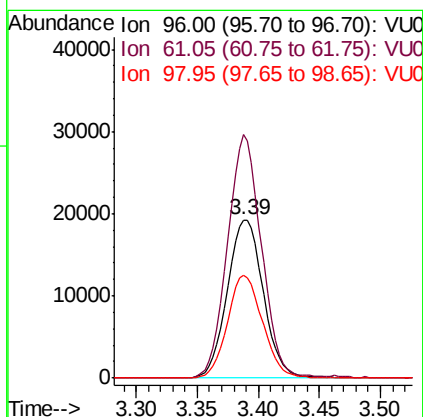
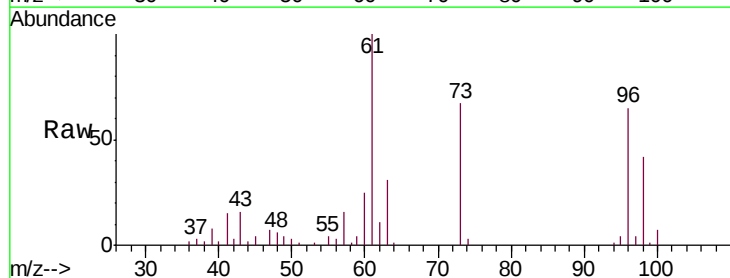
Instrument :
MSVOA_U
ClientSampleId :
BFB05

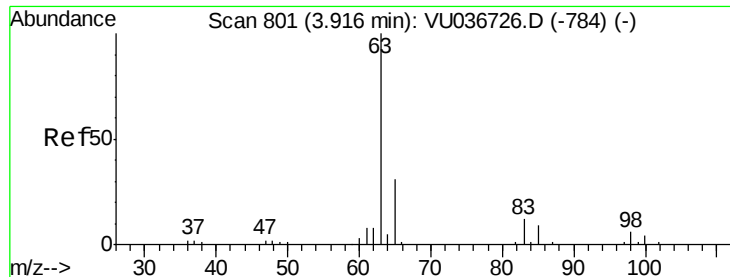
Tgt Ion: 73 Resp: 114303
Ion Ratio Lower Upper
73 100
43 22.9 18.7 28.1
57 22.7 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 5.128 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU036740.D
Acq: 12 Feb 2020 09:35

Tgt Ion: 96 Resp: 39589
Ion Ratio Lower Upper
96 100
61 153.7 102.6 190.5
98 64.7 44.5 82.7





#19

1,1-Dichloroethane

Concen: 5.143 ug/L

RT: 3.91 min Scan# 800

Delta R.T. -0.00 min

Lab File: VU036740.D

Acq: 12 Feb 2020 09:35

Instrument :

MSVOA_U

ClientSampleId :

BFB05

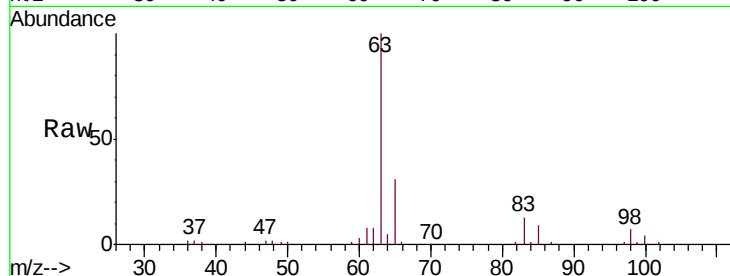
Tgt Ion: 63 Resp: 83264

Ion Ratio Lower Upper

63 100

65 31.2 21.6 40.2

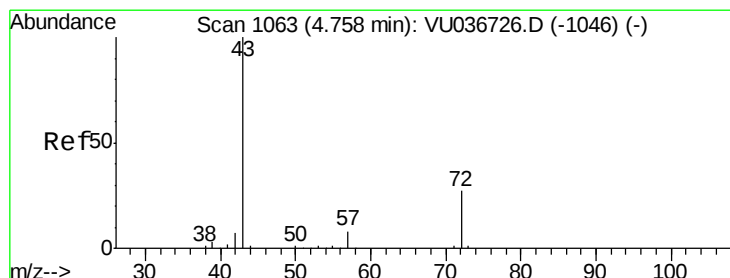
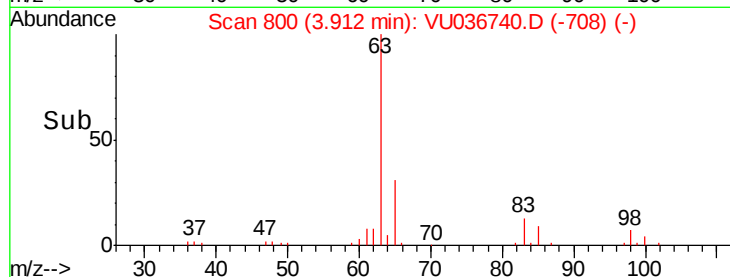
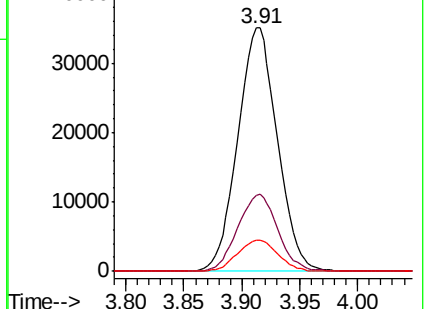
83 13.0 8.8 16.3



Abundance Ion 63.10 (62.80 to 63.80): VU036740.D (-784) (-)

Ion 65.10 (64.80 to 65.80): VU036740.D (-784) (-)

Ion 83.05 (82.75 to 83.75): VU036740.D (-784) (-)



#21

2-Butanone

Concen: 53.749 ug/L

RT: 4.77 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VU036740.D

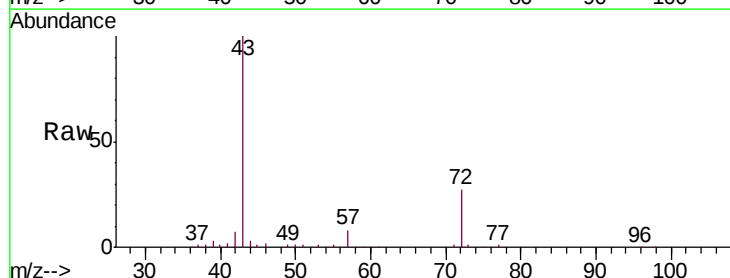
Acq: 12 Feb 2020 09:35

Tgt Ion: 43 Resp: 177331

Ion Ratio Lower Upper

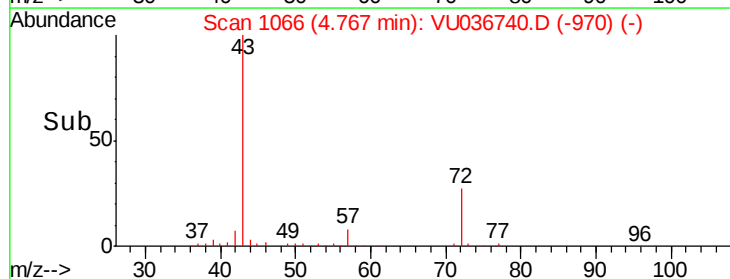
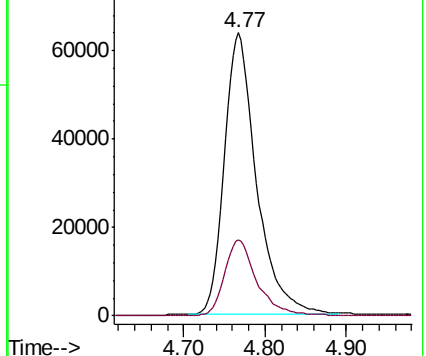
43 100

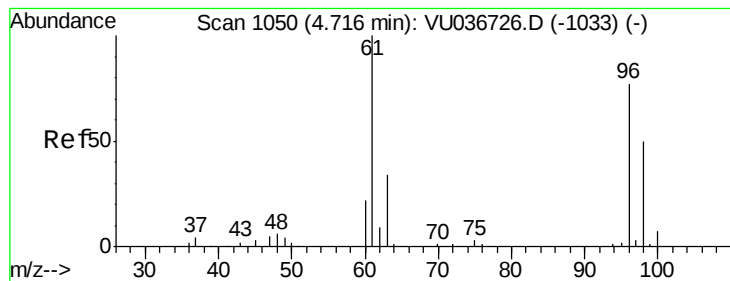
72 27.2 14.0 41.9



Abundance Ion 43.05 (42.75 to 43.75): VU036740.D (-970) (-)

Ion 72.10 (71.80 to 72.80): VU036740.D (-970) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.150 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. -0.01 min

Lab File: VU036740.D

Acq: 12 Feb 2020 09:35

Instrument :

MSVOA_U

ClientSampleId :

BFB05

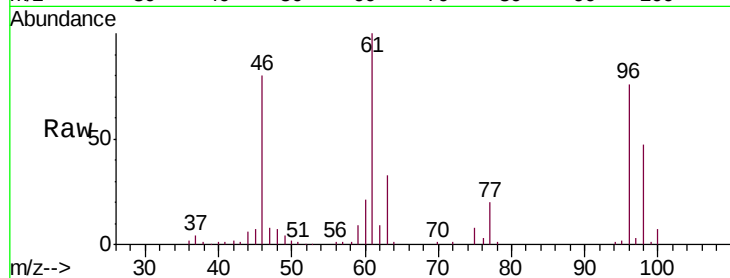
Tgt Ion: 96 Resp: 48114

Ion Ratio Lower Upper

96 100

61 131.7 91.2 169.4

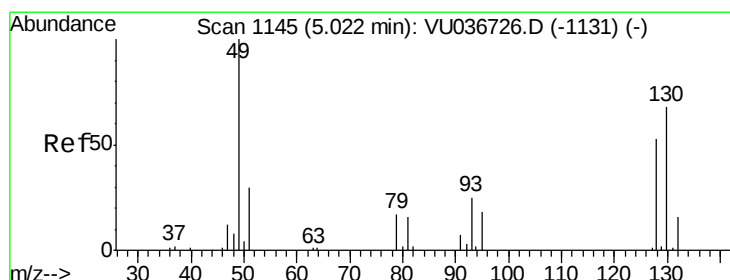
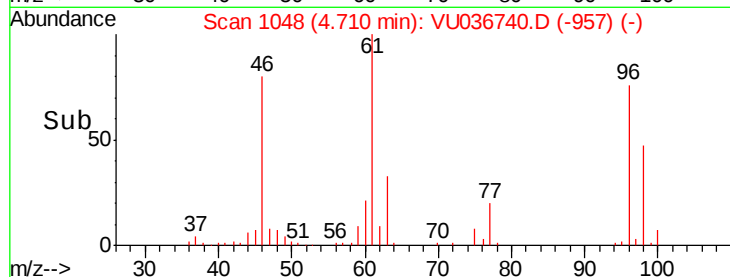
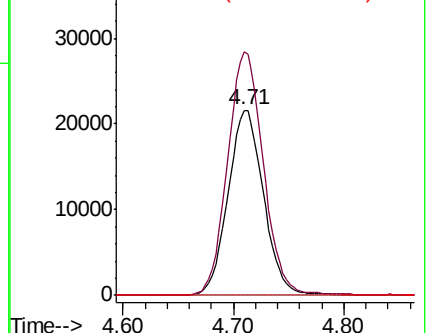
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU036740.D (-957) (-)

Ion 61.05 (60.75 to 61.75): VU036740.D (-957) (-)

Ion 68.15 (67.85 to 68.85): VU036740.D (-957) (-)



#23

Bromochloromethane

Concen: 5.319 ug/L

RT: 5.02 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VU036740.D

Acq: 12 Feb 2020 09:35

Tgt Ion: 128 Resp: 19753

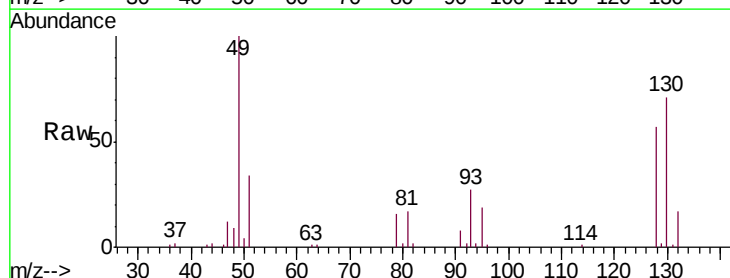
Ion Ratio Lower Upper

128 100

49 176.9 132.4 245.8

130 125.7 89.0 165.2

51 60.3 45.6 68.4

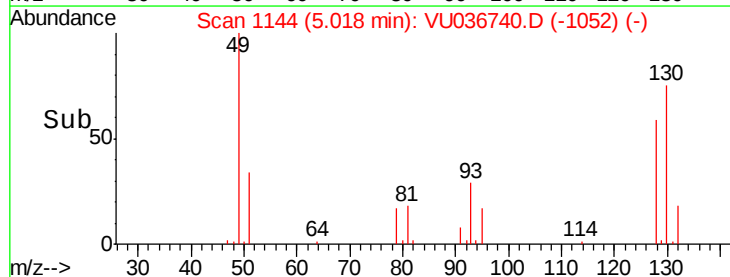
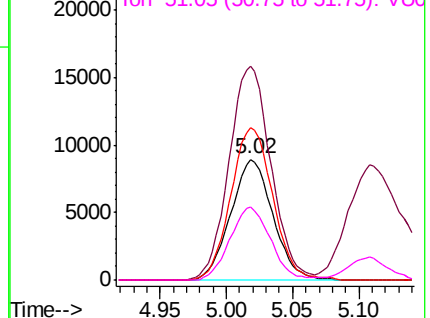


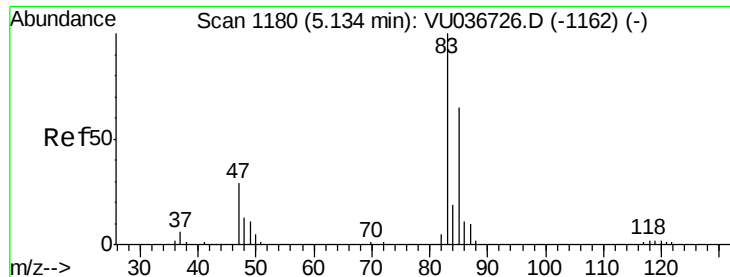
Abundance Ion 127.90 (127.60 to 128.60): VU036740.D (-1052) (-)

Ion 49.10 (48.80 to 49.80): VU036740.D (-1052) (-)

Ion 129.95 (129.65 to 130.65): VU036740.D (-1052) (-)

Ion 51.05 (50.75 to 51.75): VU036740.D (-1052) (-)

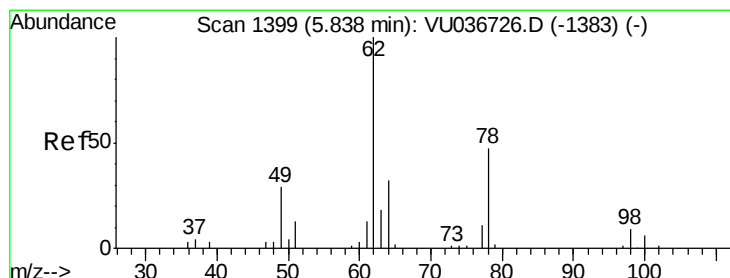
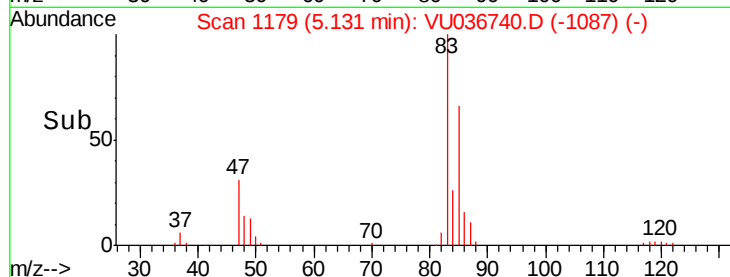
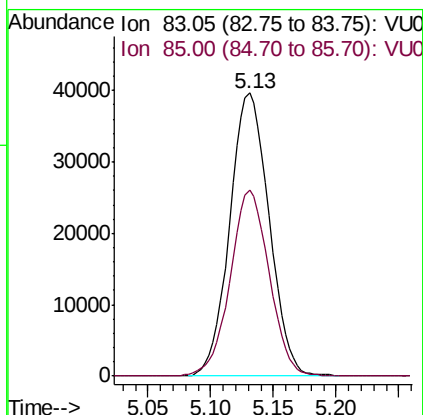
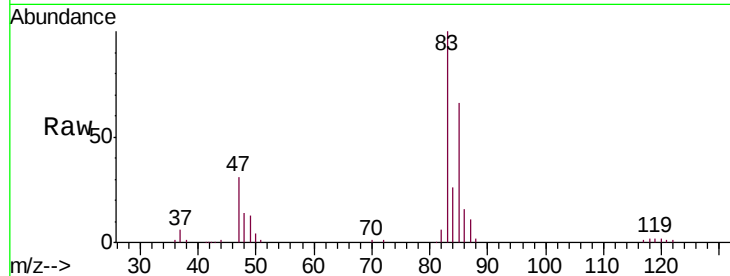




#25
Chloroform
Concen: 5.000 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU036740.D
Acq: 12 Feb 2020 09:35

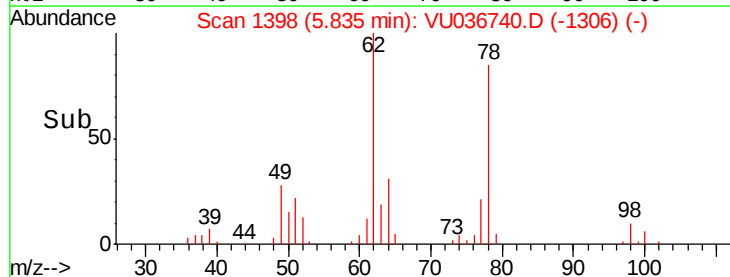
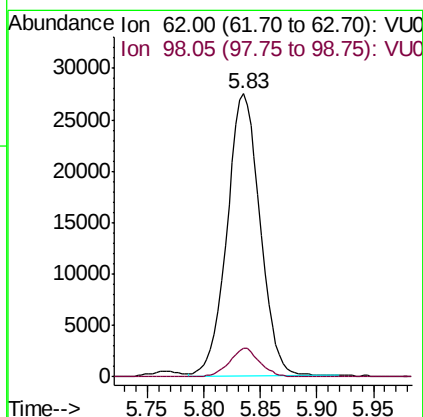
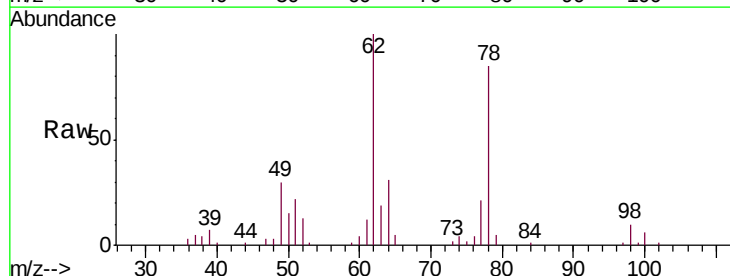
Instrument :
MSVOA_U
ClientSampleId :
BFB05

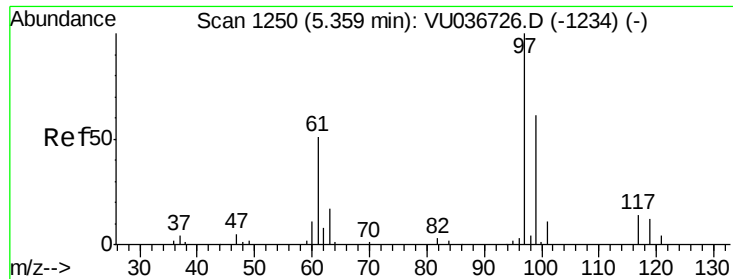
Tgt Ion: 83 Resp: 86455
Ion Ratio Lower Upper
83 100
85 66.0 45.4 84.2



#27
1,2-Dichloroethane
Concen: 5.074 ug/L
RT: 5.83 min Scan# 1398
Delta R.T. -0.00 min
Lab File: VU036740.D
Acq: 12 Feb 2020 09:35

Tgt Ion: 62 Resp: 55914
Ion Ratio Lower Upper
62 100
98 10.2 7.0 10.4

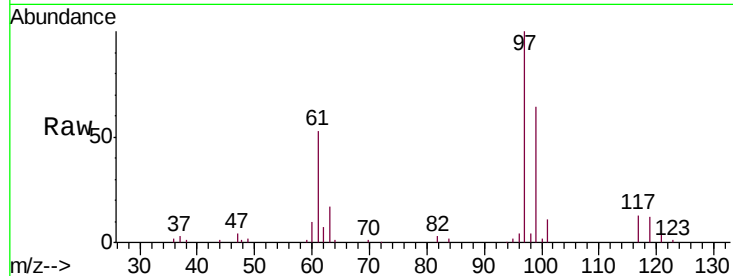




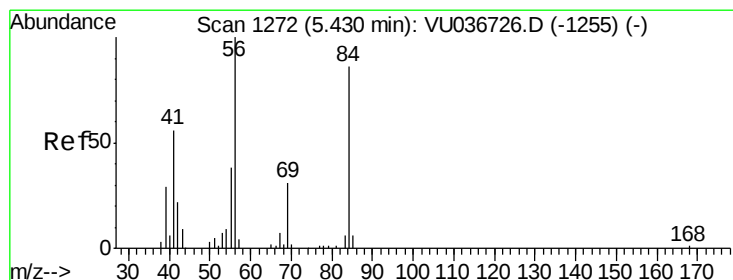
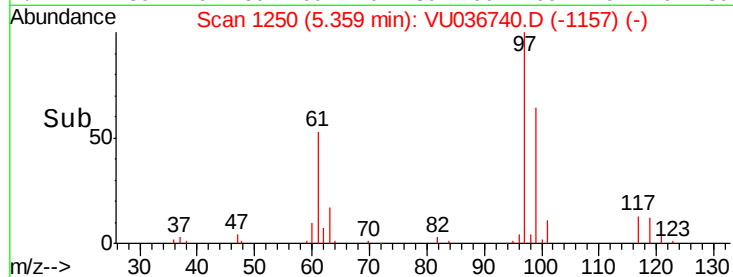
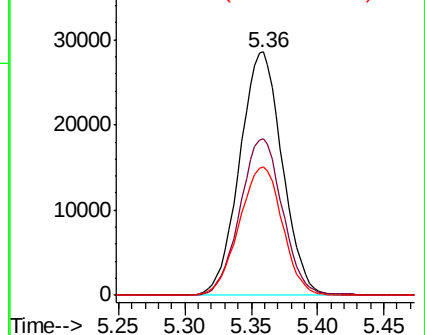
#29
 1,1,1-Trichloroethane
 Concen: 5.075 ug/L
 RT: 5.36 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VU036740.D
 Acq: 12 Feb 2020 09:35

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB05

Tgt Ion: 97 Resp: 63787
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.0 76.4
 61 53.5 41.6 62.4

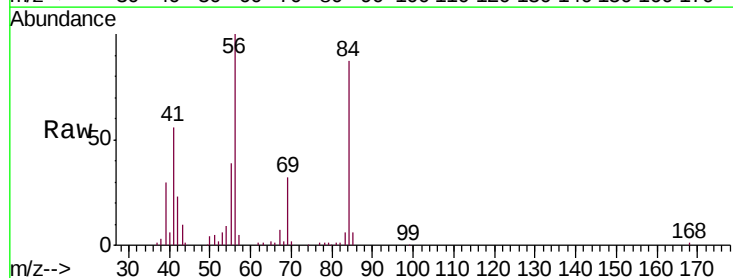


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

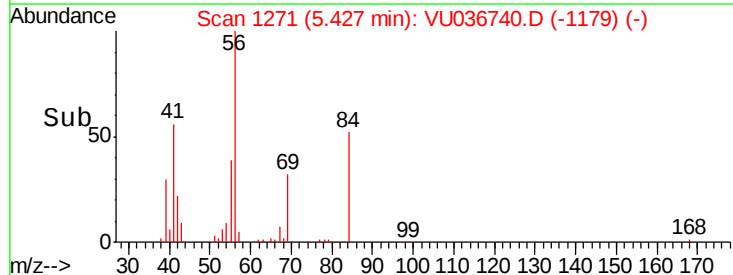
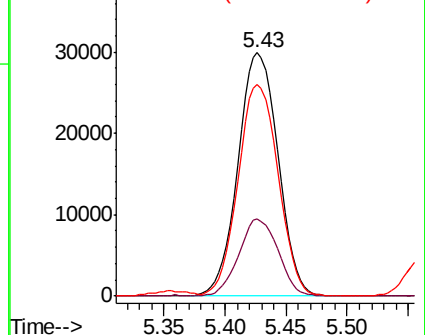


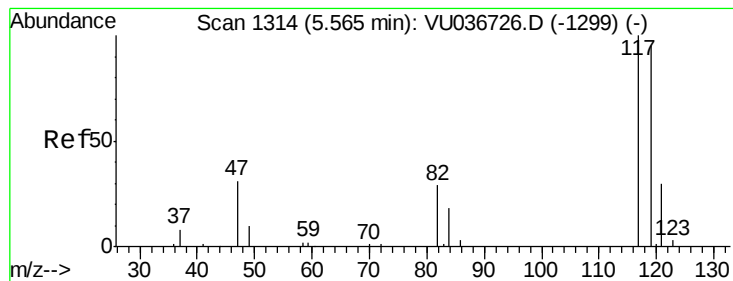
#30
 Cyclohexane
 Concen: 5.099 ug/L
 RT: 5.43 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VU036740.D
 Acq: 12 Feb 2020 09:35

Tgt Ion: 56 Resp: 68078
 Ion Ratio Lower Upper
 56 100
 69 31.1 24.6 37.0
 84 87.2 70.0 105.0



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 5.077 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. -0.00 min

Lab File: VU036740.D

Acq: 12 Feb 2020 09:35

Instrument :

MSVOA_U

ClientSampled :

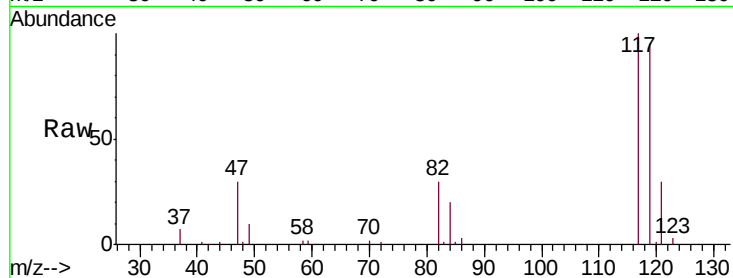
BFB05

Tgt Ion:117 Resp: 51487

Ion Ratio Lower Upper

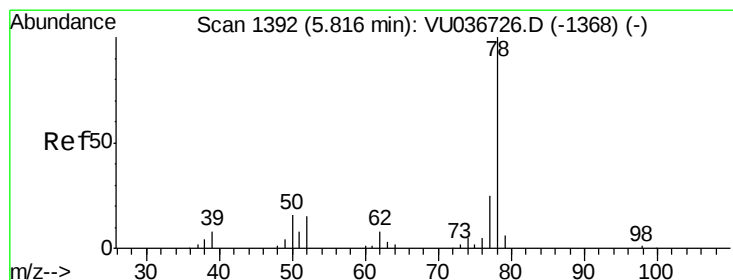
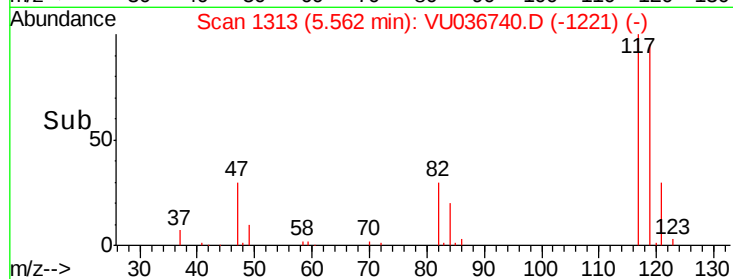
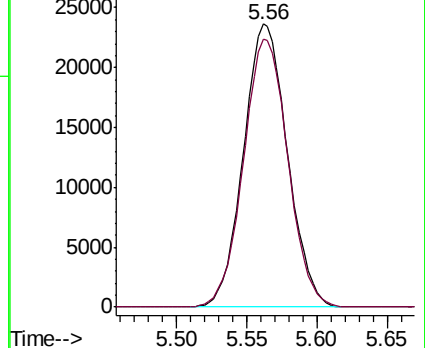
117 100

119 95.6 74.5 111.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.117 ug/L

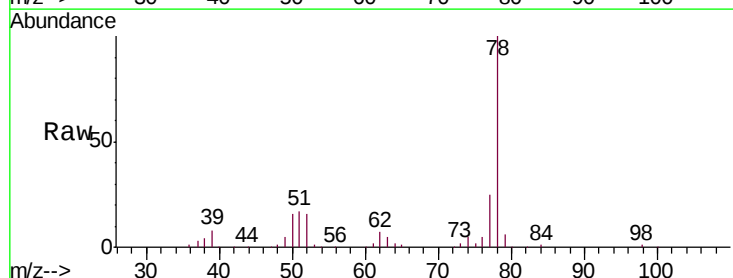
RT: 5.81 min Scan# 1391

Delta R.T. -0.00 min

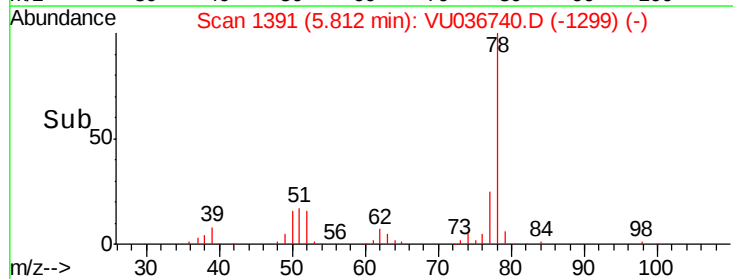
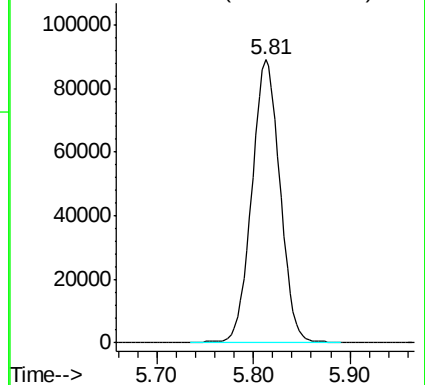
Lab File: VU036740.D

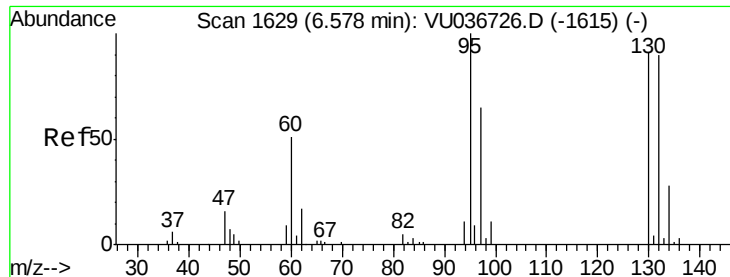
Acq: 12 Feb 2020 09:35

Tgt Ion: 78 Resp: 180650



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.097 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VU036740.D

Acq: 12 Feb 2020 09:35

Instrument :

MSVOA_U

ClientSampleId :

BFB05

Tgt Ion: 95 Resp: 45831

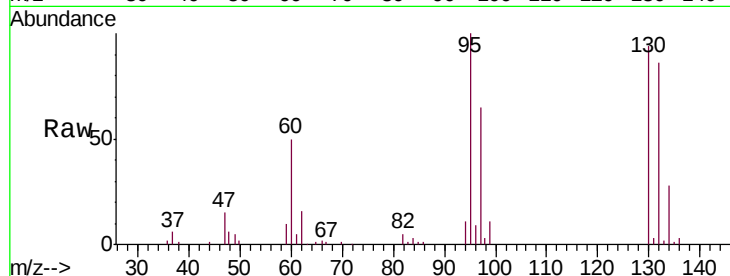
Ion Ratio Lower Upper

95 100

97 65.3 45.6 84.8

132 86.0 62.8 116.6

130 93.7 63.8 118.4

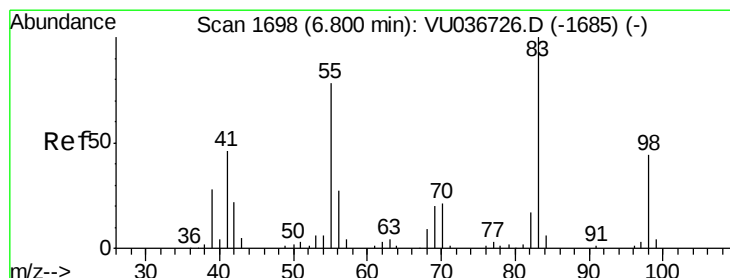
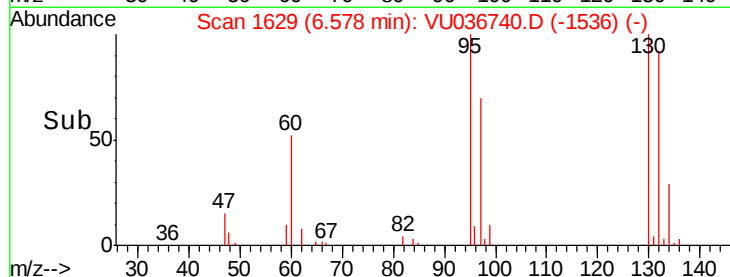
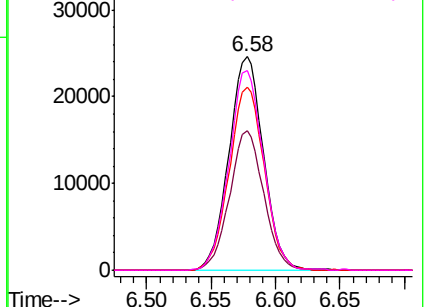


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.144 ug/L

RT: 6.80 min Scan# 1697

Delta R.T. -0.00 min

Lab File: VU036740.D

Acq: 12 Feb 2020 09:35

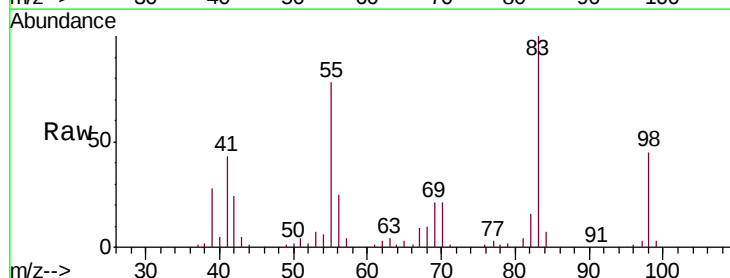
Tgt Ion: 83 Resp: 73388

Ion Ratio Lower Upper

83 100

55 77.0 61.0 91.4

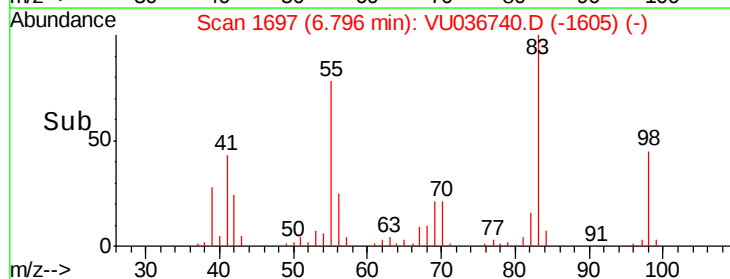
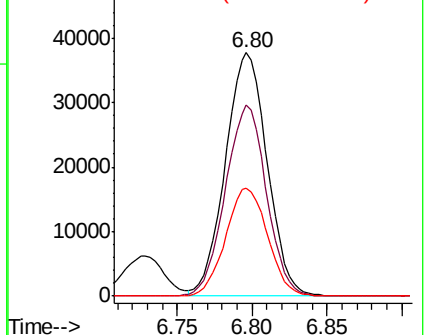
98 44.5 34.2 51.4

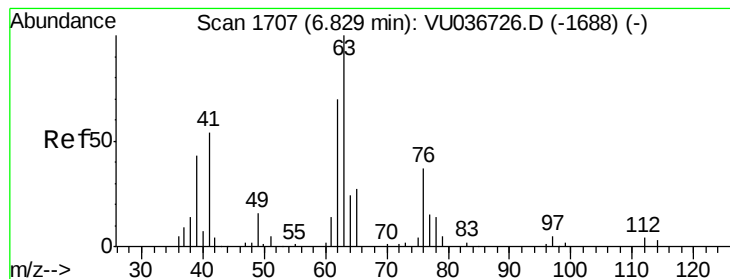


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 5.194 ug/L

RT: 6.83 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VU036740.D

Acq: 12 Feb 2020 09:35

Instrument :

MSVOA_U

ClientSampleId :

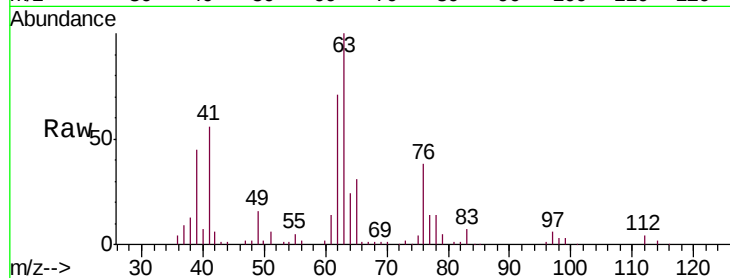
BFB05

Tgt Ion: 63 Resp: 50064

Ion Ratio Lower Upper

63 100

112 3.6 3.0 4.4



Abundance Ion 63.10 (62.80 to 63.80): VU036726.D (-1688) (-)

Ion 112.10 (111.80 to 112.80): VU036726.D (-1688) (-)

6.83

25000

20000

15000

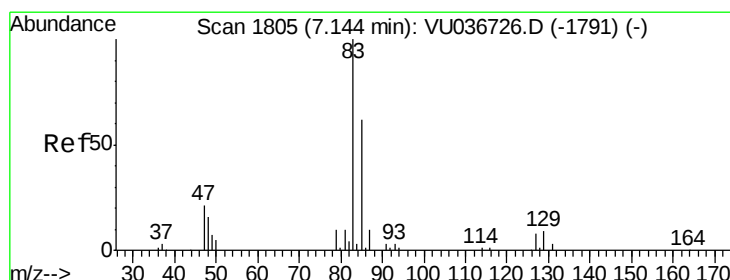
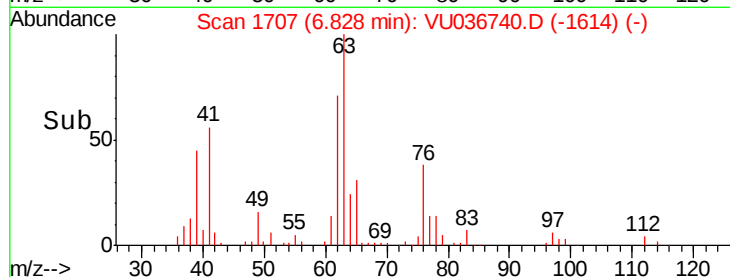
10000

5000

0

6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 5.201 ug/L

RT: 7.14 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VU036740.D

Acq: 12 Feb 2020 09:35

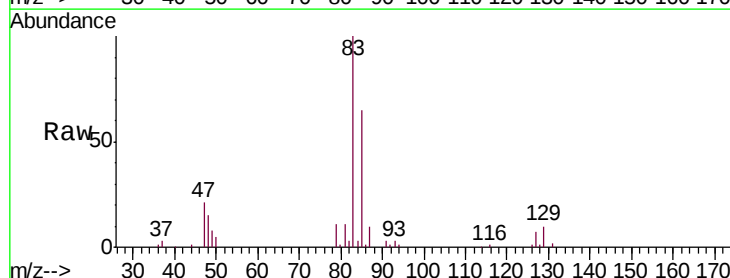
Tgt Ion: 83 Resp: 59825

Ion Ratio Lower Upper

83 100

85 65.3 43.0 80.0

127 7.5 6.3 9.5



Abundance Ion 82.95 (82.65 to 83.65): VU036726.D (-1791) (-)

Ion 85.00 (84.70 to 85.70): VU036726.D (-1791) (-)

Ion 126.90 (126.60 to 127.60): VU036726.D (-1791) (-)

7.14

40000

30000

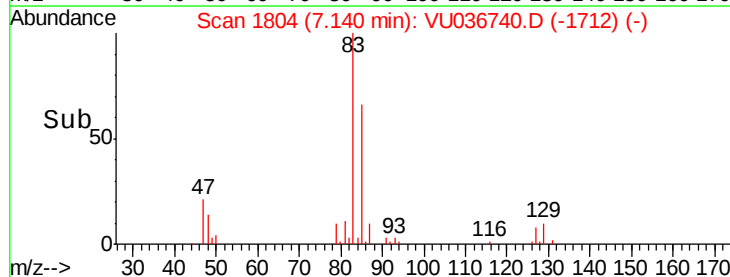
20000

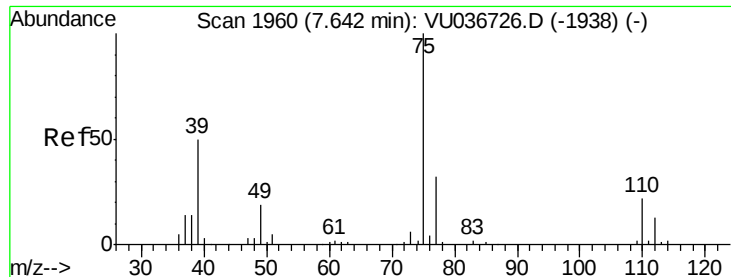
10000

0

7.05 7.10 7.15 7.20

Time-->

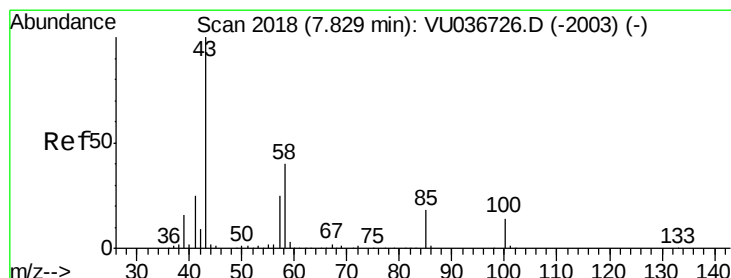
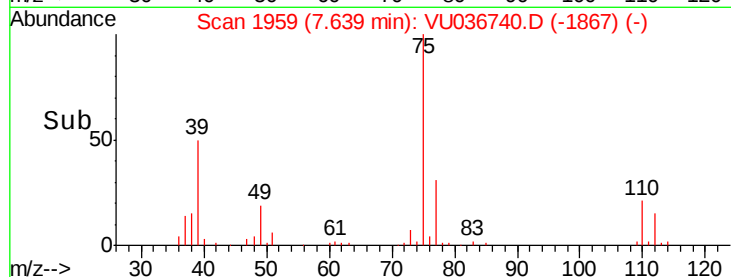
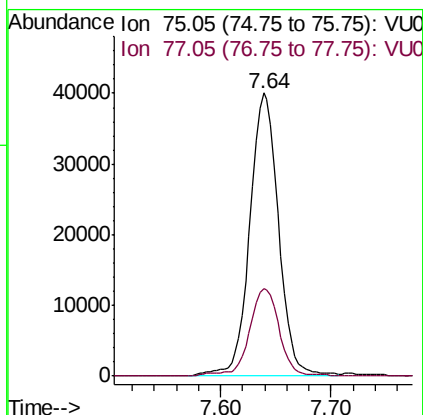
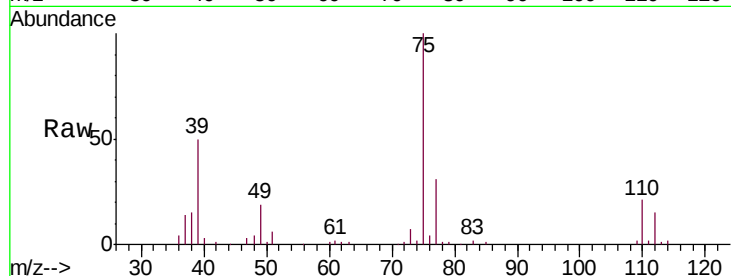




#39
 cis-1,3-Dichloropropene
 Concen: 5.216 ug/L
 RT: 7.64 min Scan# 1959
 Delta R.T. -0.00 min
 Lab File: VU036740.D
 Acq: 12 Feb 2020 09:35

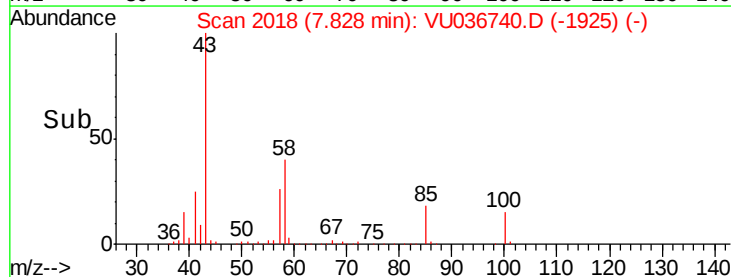
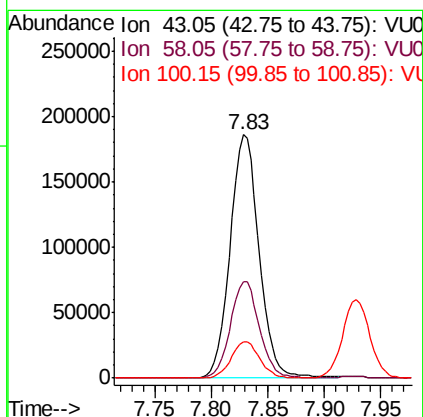
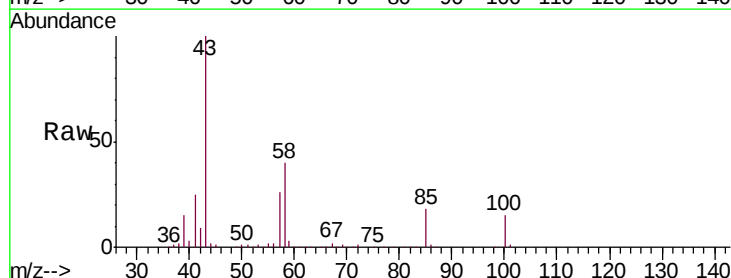
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB05

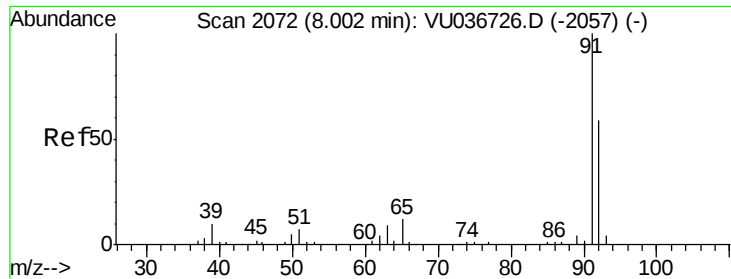
Tgt Ion: 75 Resp: 72753
 Ion Ratio Lower Upper
 75 100
 77 30.9 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 53.493 ug/L
 RT: 7.83 min Scan# 2018
 Delta R.T. -0.00 min
 Lab File: VU036740.D
 Acq: 12 Feb 2020 09:35

Tgt Ion: 43 Resp: 332722
 Ion Ratio Lower Upper
 43 100
 58 39.9 32.0 48.0
 100 14.9 11.8 17.8





#42

Toluene

Concen: 5.231 ug/L

RT: 8.00 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VU036740.D

Acq: 12 Feb 2020 09:35

Instrument :

MSVOA_U

ClientSampled :

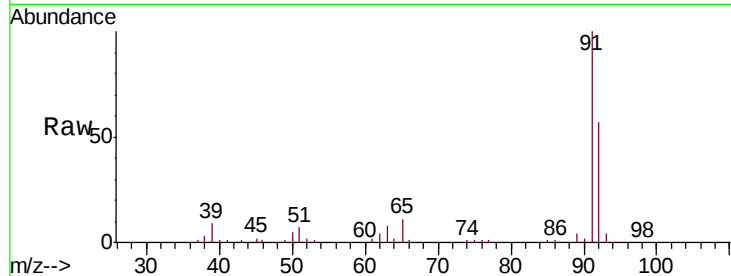
BFB05

Tgt Ion: 91 Resp: 198309

Ion Ratio Lower Upper

91 100

92 56.6 41.2 76.4



Abundance Ion 91.15 (90.85 to 91.85): VU036726.D (-2057) (-)

Ion 92.15 (91.85 to 92.85): VU036726.D (-2057) (-)

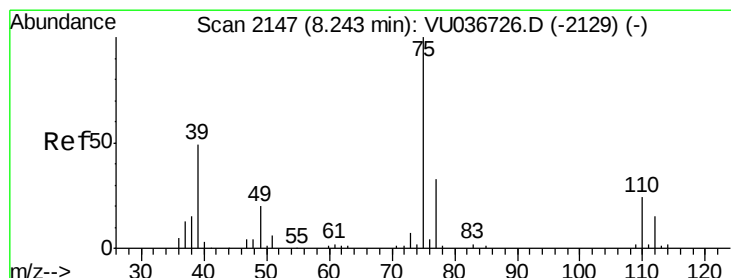
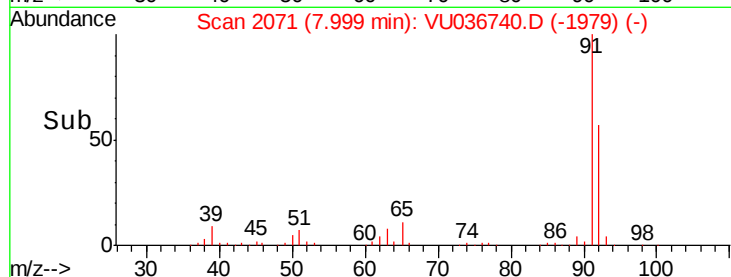
8.00

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.356 ug/L

RT: 8.24 min Scan# 2146

Delta R.T. -0.00 min

Lab File: VU036740.D

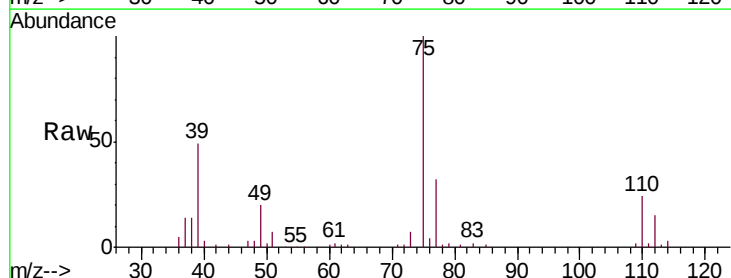
Acq: 12 Feb 2020 09:35

Tgt Ion: 75 Resp: 58373

Ion Ratio Lower Upper

75 100

77 31.7 23.1 42.9



Abundance Ion 75.05 (74.75 to 75.75): VU036726.D (-2129) (-)

Ion 77.05 (76.75 to 77.75): VU036726.D (-2129) (-)

8.24

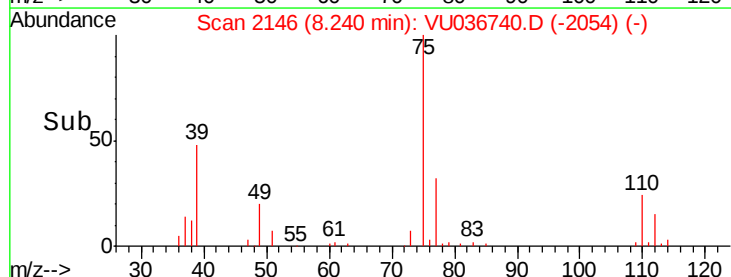
30000

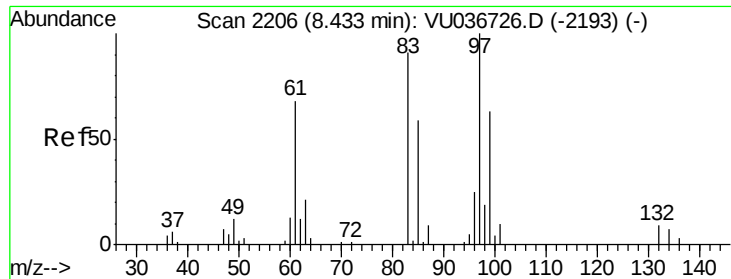
20000

10000

0

Time-->

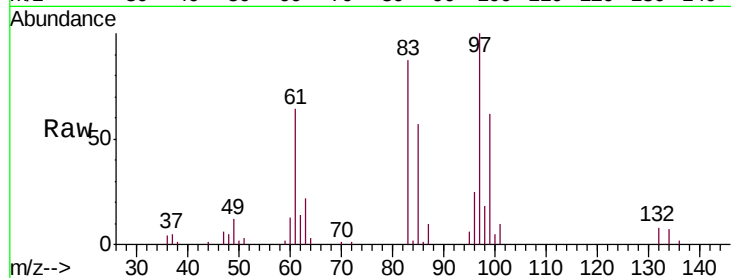




#45
 1,1,2-Trichloroethane
 Concen: 5.328 ug/L
 RT: 8.43 min Scan# 2205
 Delta R.T. -0.00 min
 Lab File: VU036740.D
 Acq: 12 Feb 2020 09:35

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB05

Tgt Ion:	97	Resp:	35730
Ion	Ratio	Lower	Upper
97	100		
99	61.9	44.1	81.9
83	86.6	63.5	117.9
85	56.9	41.2	76.4



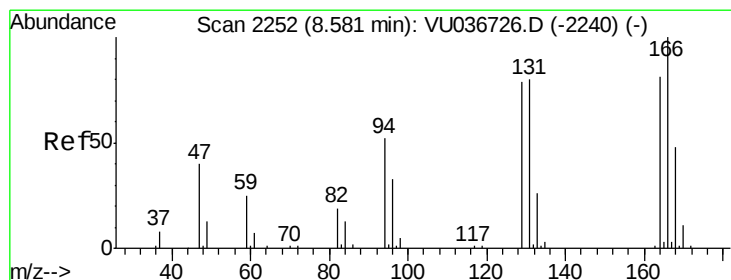
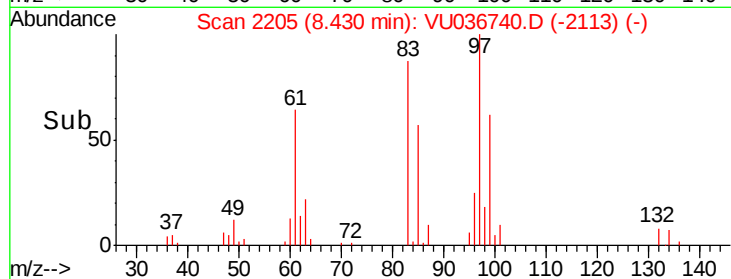
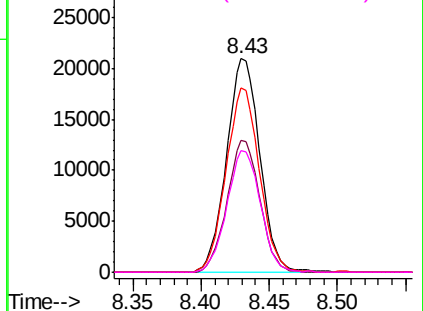
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

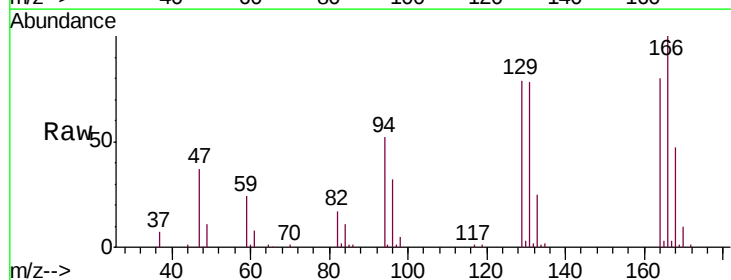
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 4.985 ug/L
 RT: 8.58 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VU036740.D
 Acq: 12 Feb 2020 09:35

Tgt Ion:	164	Resp:	30489
Ion	Ratio	Lower	Upper
164	100		
129	99.1	68.0	126.4
131	97.3	69.4	128.8
166	124.9	86.6	160.8



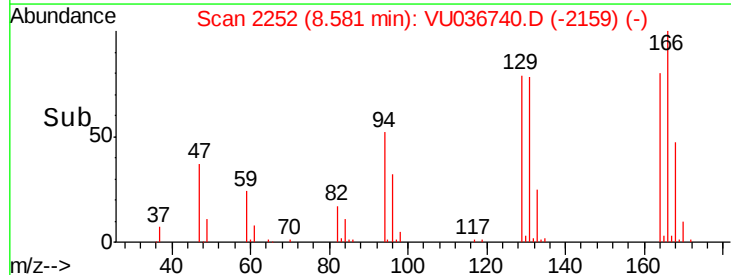
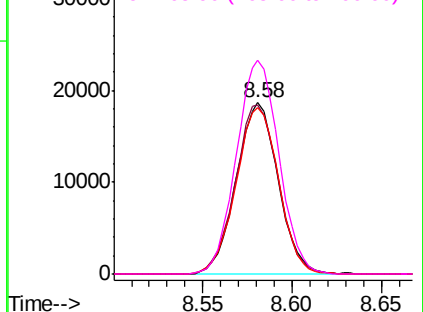
Abundance

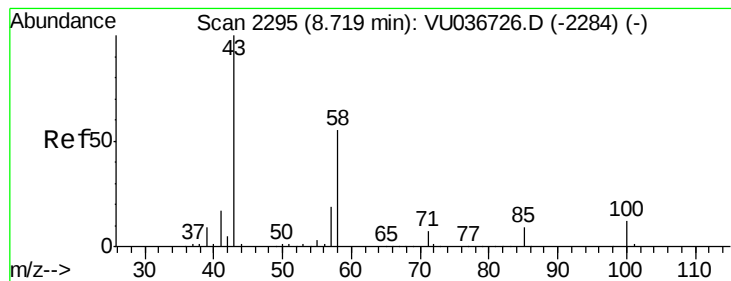
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V





#48

2-Hexanone

Concen: 53.411 ug/L

RT: 8.72 min Scan# 2295

Delta R.T. -0.00 min

Lab File: VU036740.D

Acq: 12 Feb 2020 09:35

Instrument :

MSVOA_U

ClientSampleId :

BFB05

Tgt Ion: 43 Resp: 284298

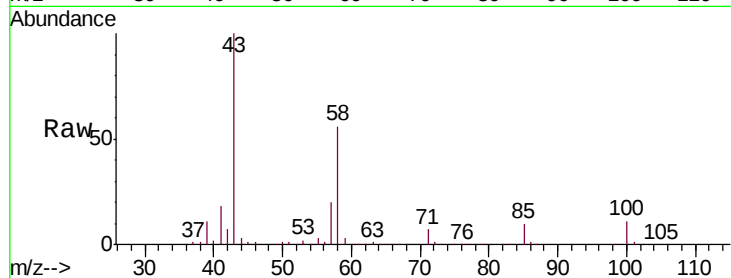
Ion Ratio Lower Upper

43 100

58 56.3 43.6 65.4

57 19.5 15.0 22.4

100 11.6 9.0 13.6

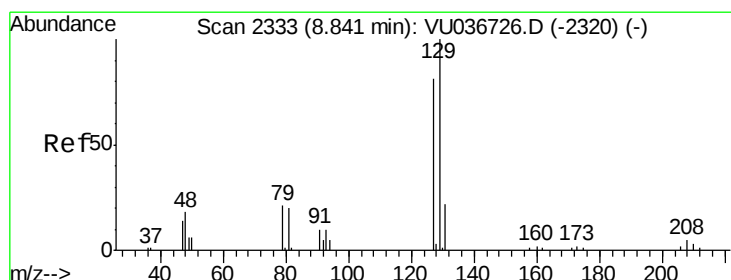
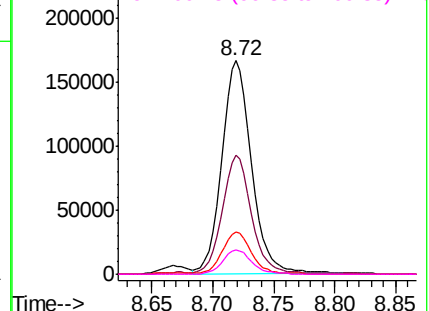
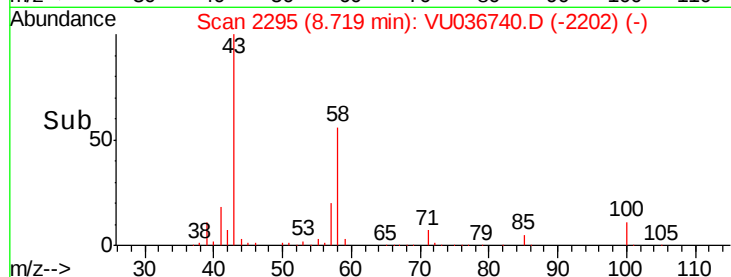


Abundance Ion 43.05 (42.75 to 43.75): VU036740.D (-2202) (-)

Ion 58.05 (57.75 to 58.75): VU036740.D (-2202) (-)

Ion 57.20 (56.90 to 57.90): VU036740.D (-2202) (-)

Ion 100.15 (99.85 to 100.85): VU036740.D (-2202) (-)



#49

Dibromochloromethane

Concen: 5.410 ug/L

RT: 8.84 min Scan# 2332

Delta R.T. -0.00 min

Lab File: VU036740.D

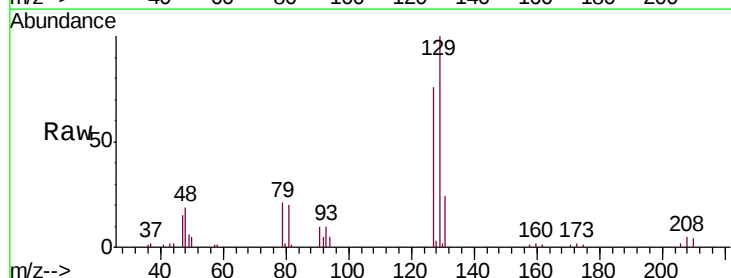
Acq: 12 Feb 2020 09:35

Tgt Ion: 129 Resp: 37517

Ion Ratio Lower Upper

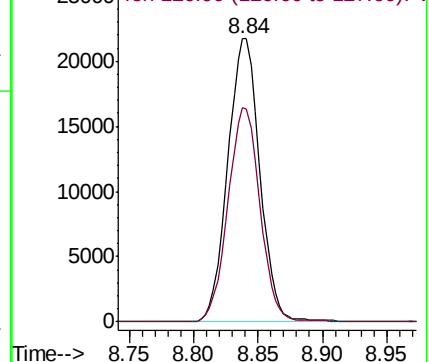
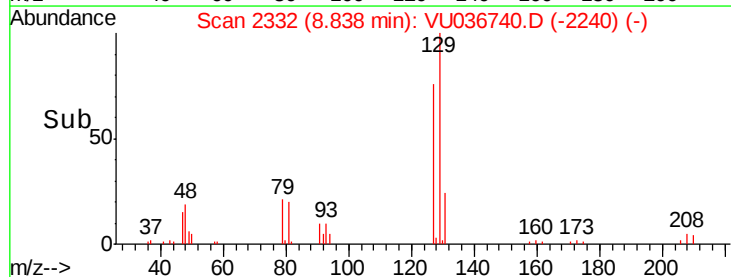
129 100

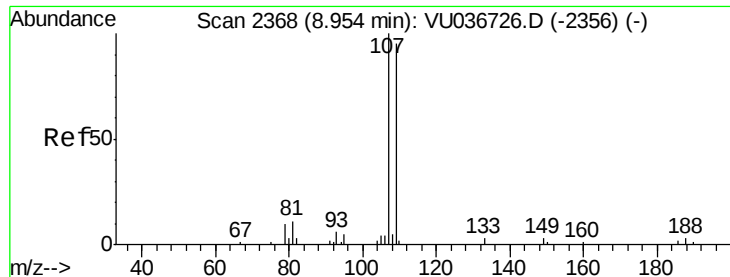
127 75.6 56.7 105.3



Abundance Ion 128.95 (128.65 to 129.65): VU036740.D (-2240) (-)

Ion 126.90 (126.60 to 127.60): VU036740.D (-2240) (-)

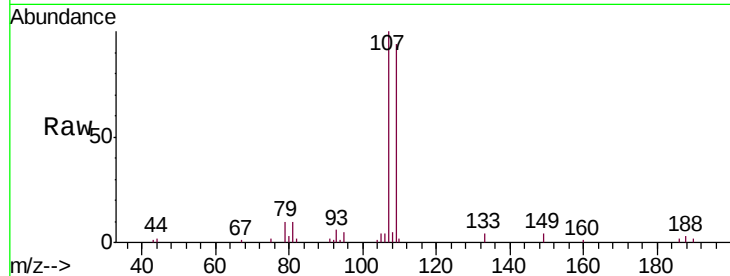




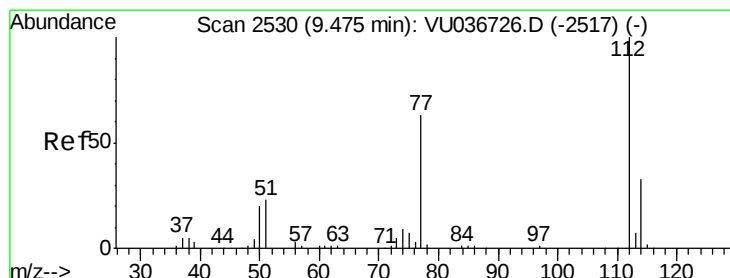
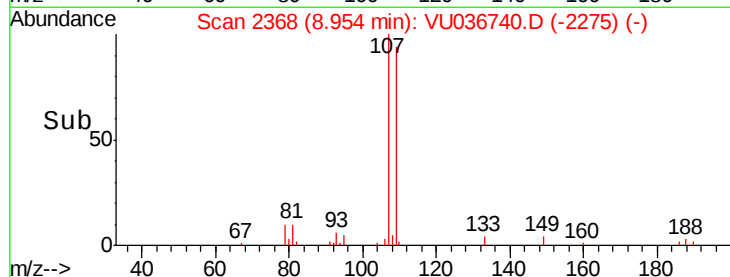
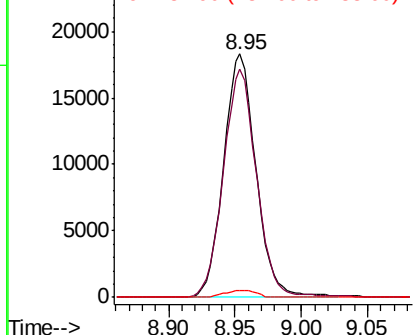
#50
1,2-Dibromoethane
Concen: 5.126 ug/L
RT: 8.95 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VU036740.D
Acq: 12 Feb 2020 09:35

Instrument :
MSVOA_U
ClientSampleId :
BFB05

Tgt Ion:107 Resp: 31046
Ion Ratio Lower Upper
107 100
109 93.6 66.4 123.2
188 2.7 2.4 3.6

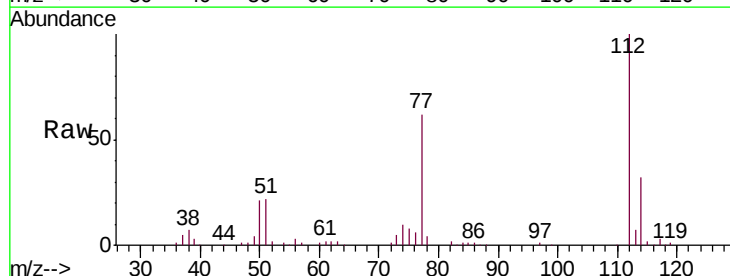


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

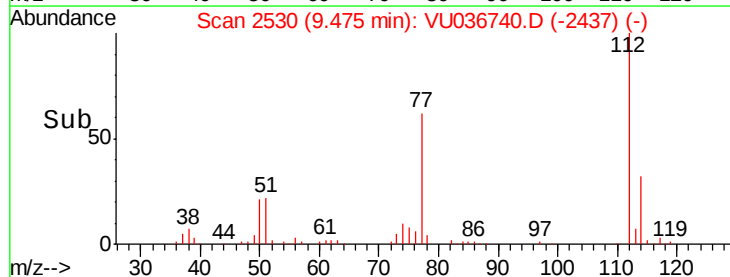
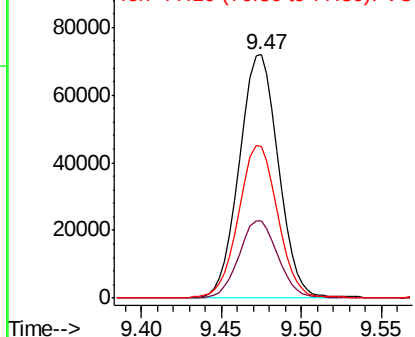


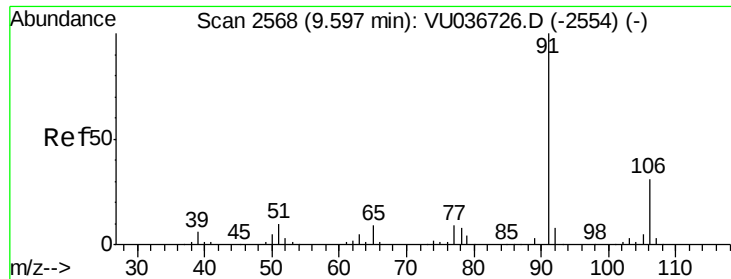
#51
Chlorobenzene
Concen: 5.111 ug/L
RT: 9.47 min Scan# 2530
Delta R.T. -0.00 min
Lab File: VU036740.D
Acq: 12 Feb 2020 09:35

Tgt Ion:112 Resp: 119874
Ion Ratio Lower Upper
112 100
114 31.6 22.9 42.5
77 62.0 51.0 76.4



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 5.114 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. -0.00 min

Lab File: VU036740.D

Acq: 12 Feb 2020 09:35

Instrument :

MSVOA_U

ClientSampled :

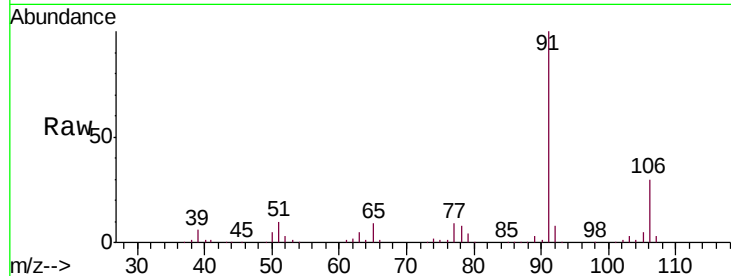
BFB05

Tgt Ion: 91 Resp: 216556

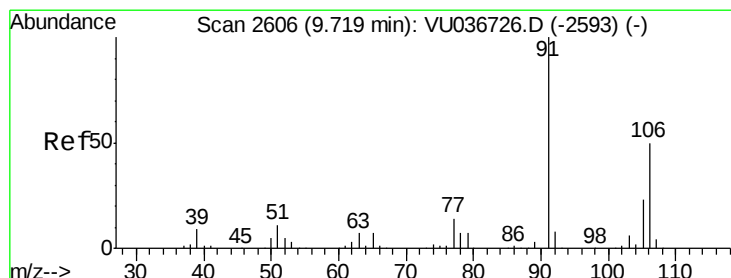
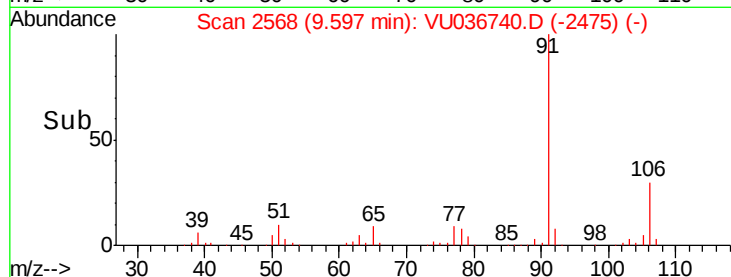
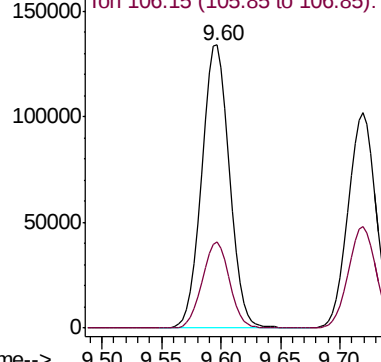
Ion Ratio Lower Upper

91 100

106 30.4 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VU036740.D (-2554) (-)



#53

m,p-Xylene

Concen: 5.076 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VU036740.D

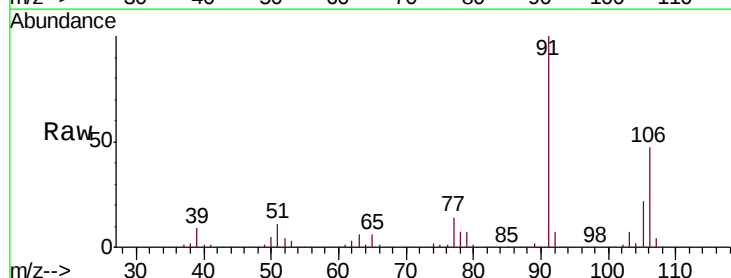
Acq: 12 Feb 2020 09:35

Tgt Ion: 106 Resp: 79096

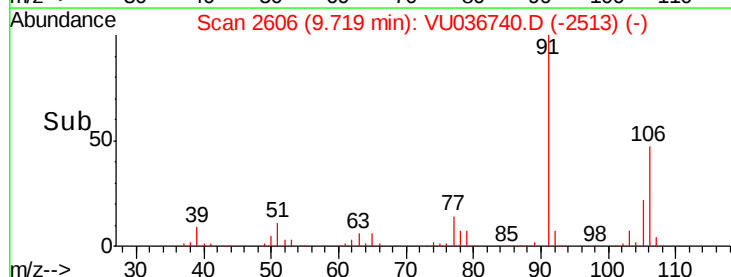
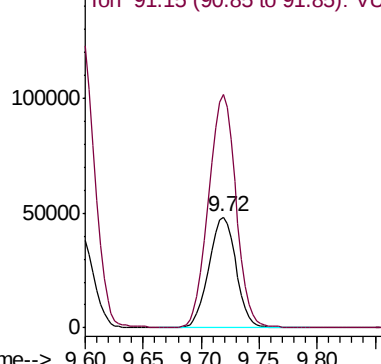
Ion Ratio Lower Upper

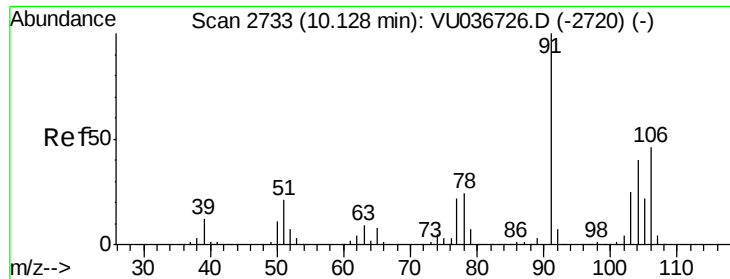
106 100

91 210.9 141.1 262.0



Abundance Ion 106.15 (105.85 to 106.85): VU036740.D (-2593) (-)

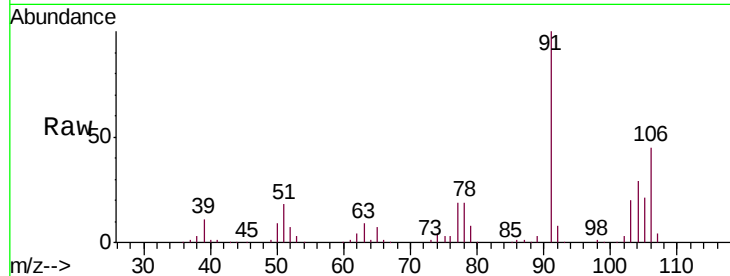




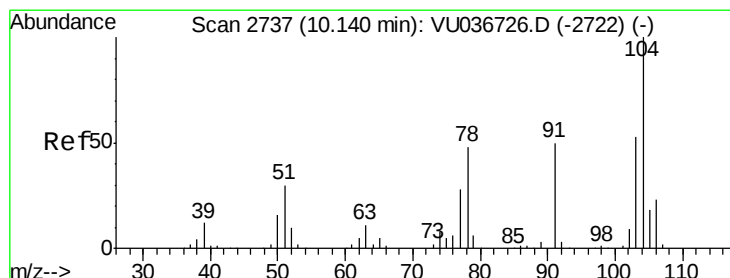
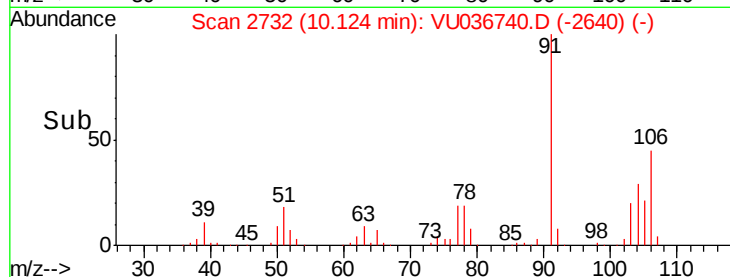
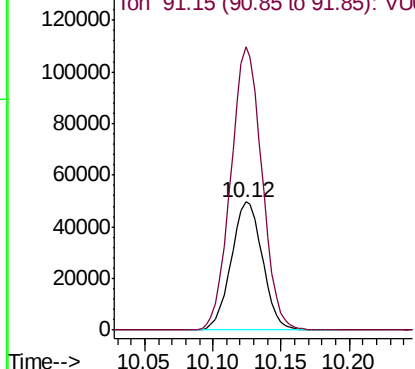
#54
o-Xylene
Concen: 5.194 ug/L
RT: 10.12 min Scan# 2732
Delta R.T. -0.00 min
Lab File: VU036740.D
Acq: 12 Feb 2020 09:35

Instrument :
MSVOA_U
ClientSampleId :
BFB05

Tgt Ion:106 Resp: 79483
Ion Ratio Lower Upper
106 100
91 220.7 151.1 280.5

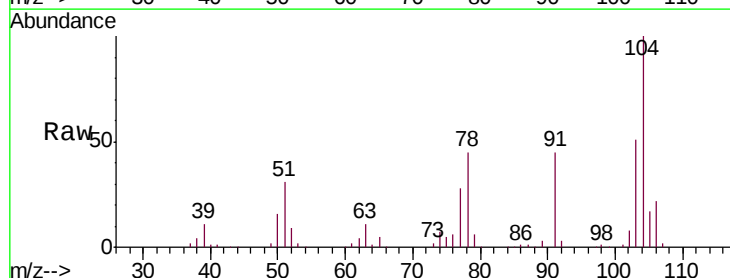


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

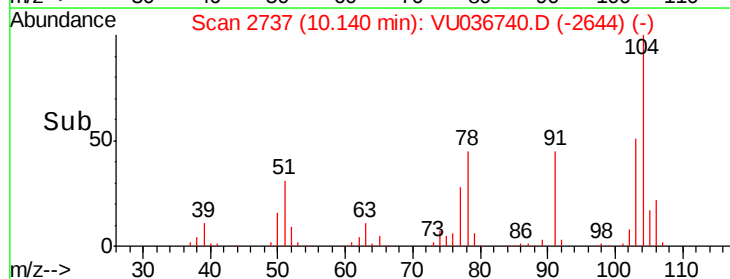
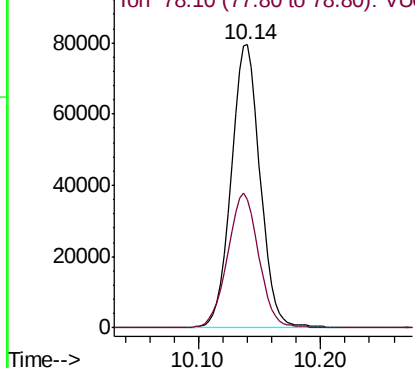


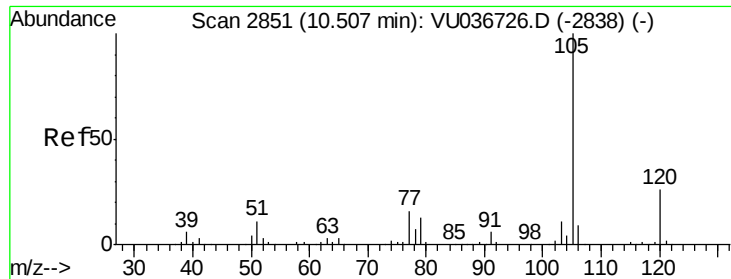
#55
Styrene
Concen: 5.097 ug/L
RT: 10.14 min Scan# 2737
Delta R.T. -0.00 min
Lab File: VU036740.D
Acq: 12 Feb 2020 09:35

Tgt Ion:104 Resp: 131499
Ion Ratio Lower Upper
104 100
78 45.5 33.5 62.3



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.147 ug/L

RT: 10.51 min Scan# 2851

Delta R.T. -0.00 min

Lab File: VU036740.D

Acq: 12 Feb 2020 09:35

Instrument :

MSVOA_U

ClientSampleId :

BFB05

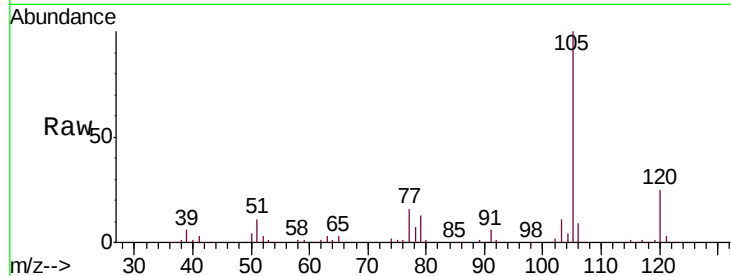
Tgt Ion:105 Resp: 210769

Ion Ratio Lower Upper

105 100

120 25.6 20.5 30.7

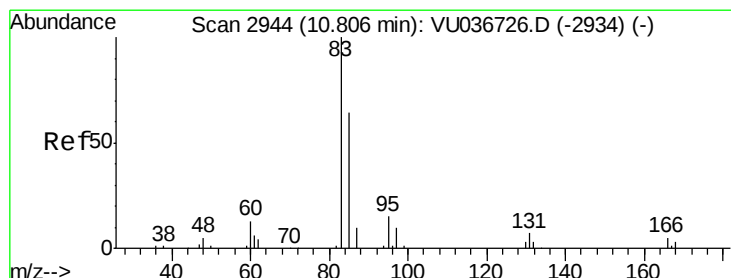
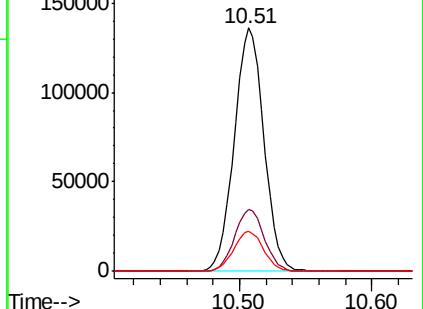
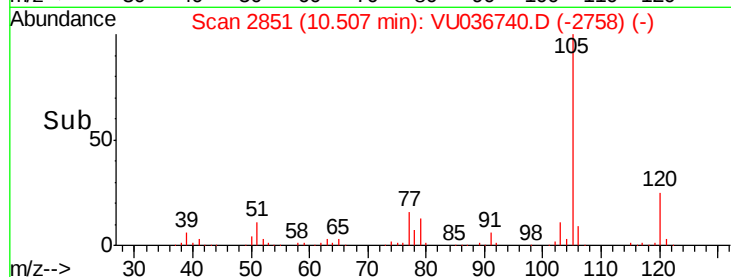
77 16.6 13.0 19.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.258 ug/L

RT: 10.81 min Scan# 2944

Delta R.T. -0.00 min

Lab File: VU036740.D

Acq: 12 Feb 2020 09:35

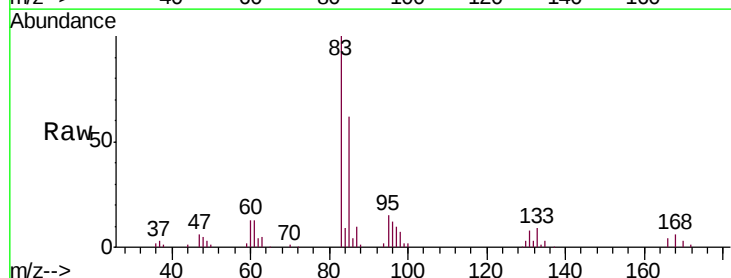
Tgt Ion: 83 Resp: 46153

Ion Ratio Lower Upper

83 100

85 62.2 45.6 84.6

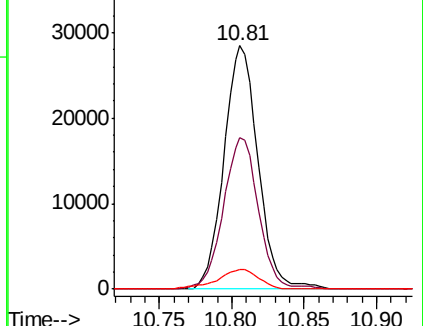
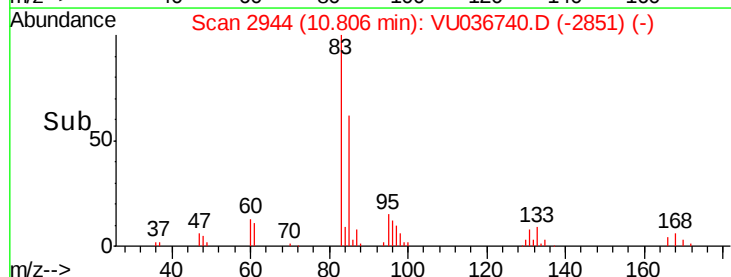
131 8.0 6.8 10.2

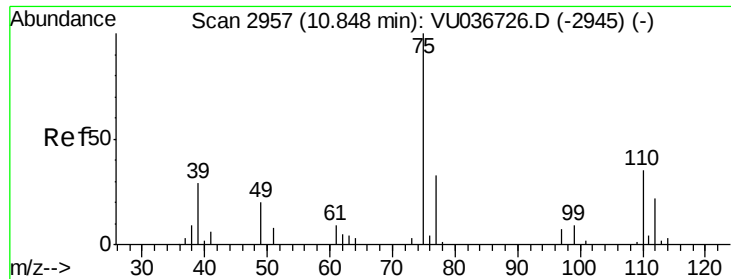


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

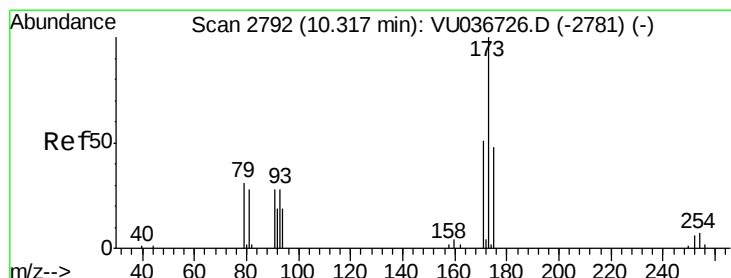
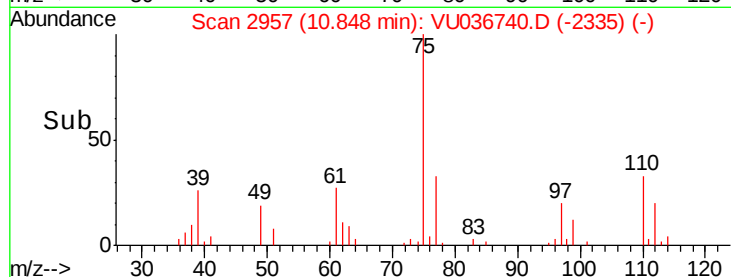
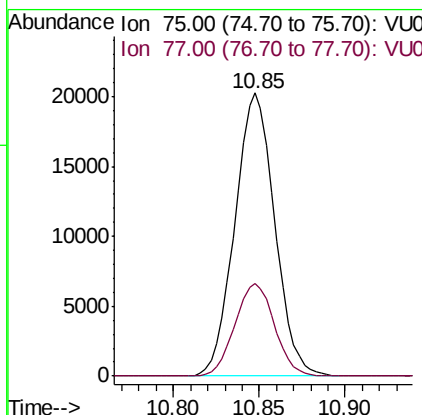
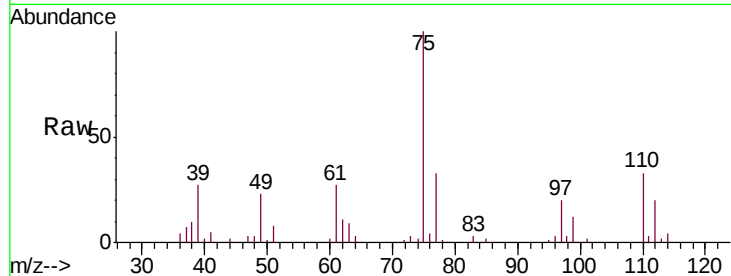




#59
 1,2,3-Trichloropropane
 Concen: 5.116 ug/L
 RT: 10.85 min Scan# 2957
 Delta R.T. -0.00 min
 Lab File: VU036740.D
 Acq: 12 Feb 2020 09:35

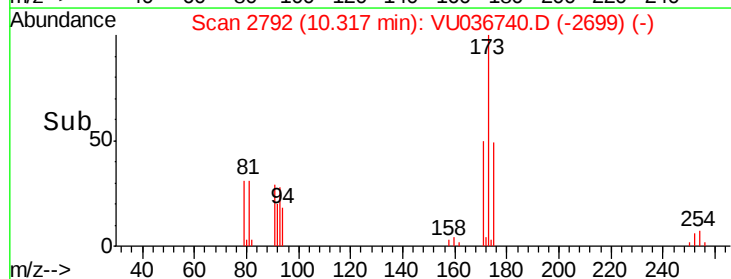
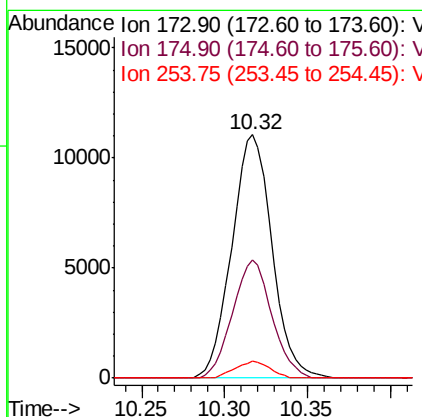
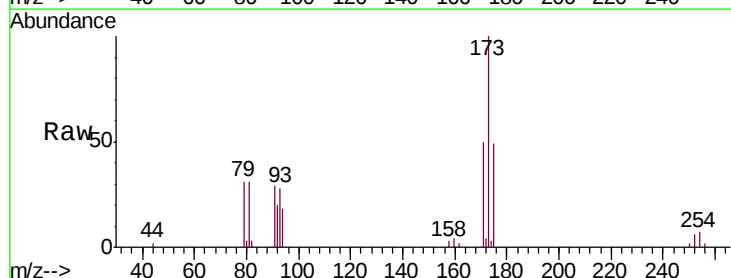
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB05

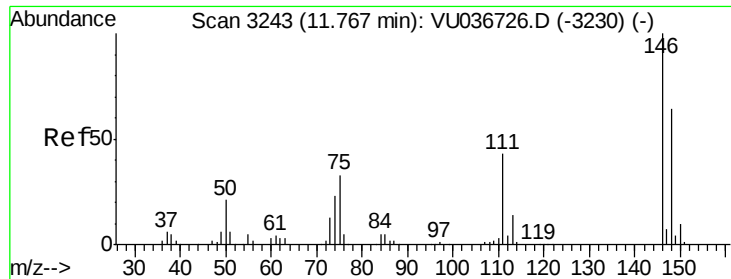
Tgt Ion: 75 Resp: 32557
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.6 38.4



#61
 Bromoform
 Concen: 5.135 ug/L
 RT: 10.32 min Scan# 2792
 Delta R.T. -0.00 min
 Lab File: VU036740.D
 Acq: 12 Feb 2020 09:35

Tgt Ion: 173 Resp: 18628
 Ion Ratio Lower Upper
 173 100
 175 47.2 39.9 59.9
 254 5.9 4.6 6.8

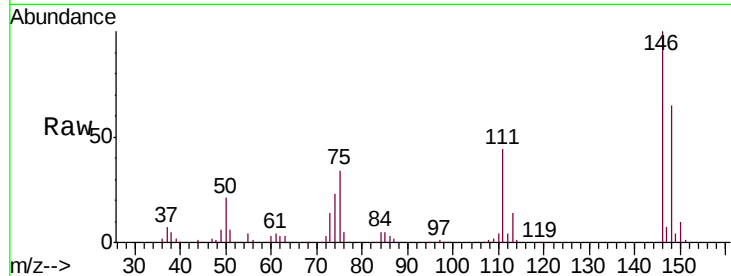




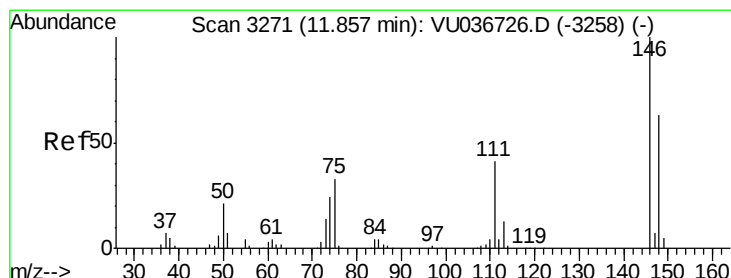
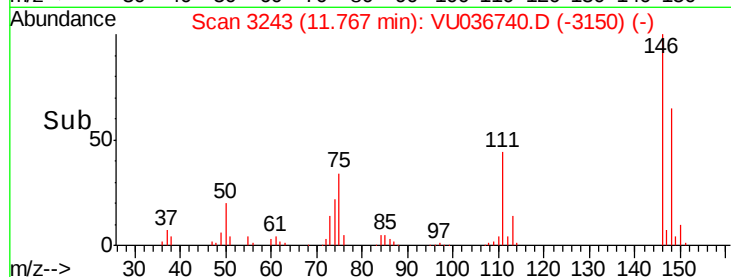
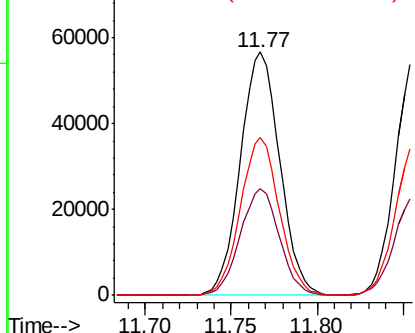
#62
 1,3-Dichlorobenzene
 Concen: 4.976 ug/L
 RT: 11.77 min Scan# 3243
 Delta R.T. -0.00 min
 Lab File: VU036740.D
 Acq: 12 Feb 2020 09:35

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB05

Tgt Ion:146 Resp: 90255
 Ion Ratio Lower Upper
 146 100
 111 44.0 30.0 55.8
 148 64.8 44.5 82.7

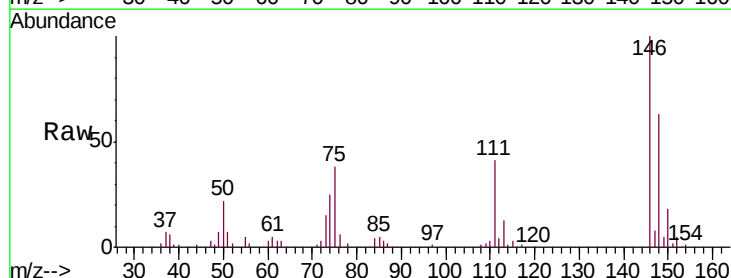


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

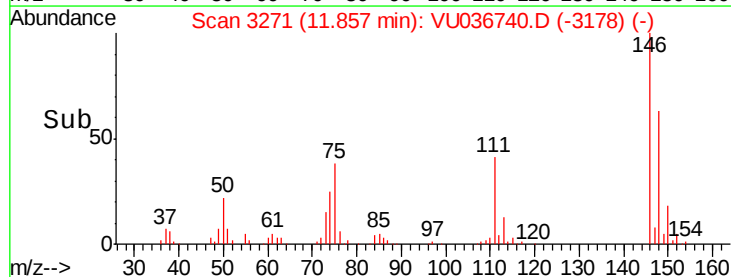
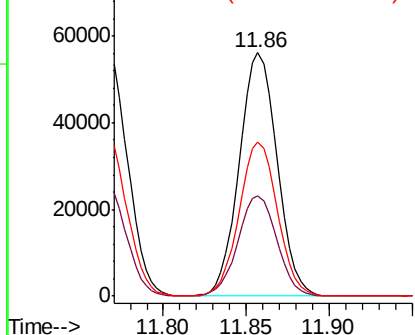


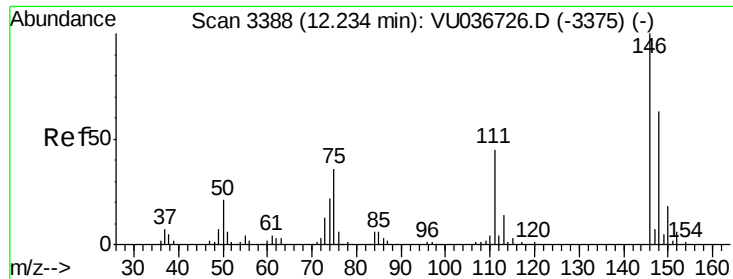
#63
 1,4-Dichlorobenzene
 Concen: 4.980 ug/L
 RT: 11.86 min Scan# 3271
 Delta R.T. -0.00 min
 Lab File: VU036740.D
 Acq: 12 Feb 2020 09:35

Tgt Ion:146 Resp: 89557
 Ion Ratio Lower Upper
 146 100
 111 41.0 29.2 54.2
 148 63.4 44.3 82.3



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.969 ug/L

RT: 12.23 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VU036740.D

Acq: 12 Feb 2020 09:35

Instrument :

MSVOA_U

ClientSampleId :

BFB05

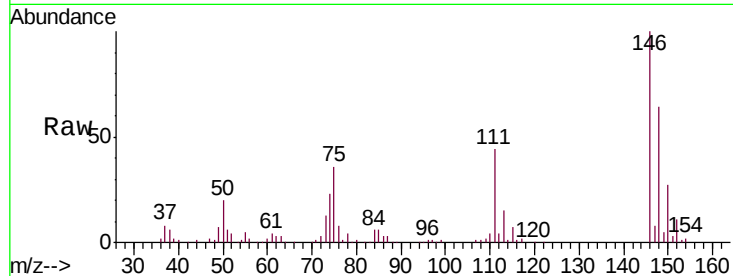
Tgt Ion:146 Resp: 86901

Ion Ratio Lower Upper

146 100

111 43.8 35.9 53.9

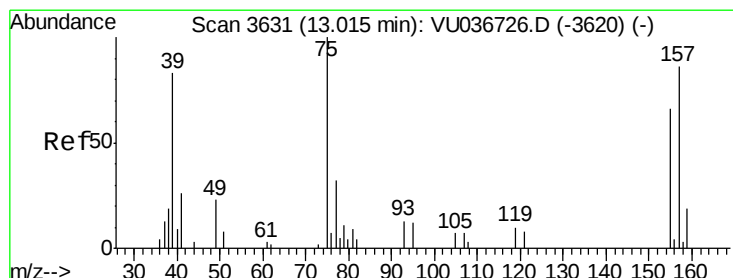
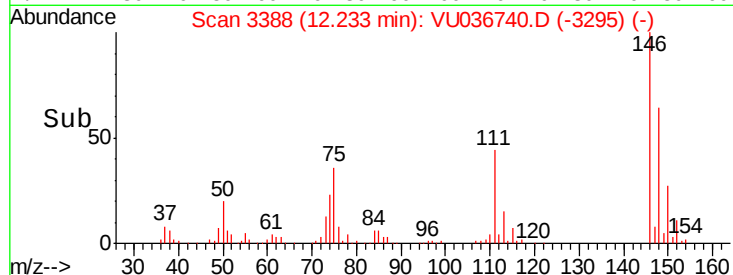
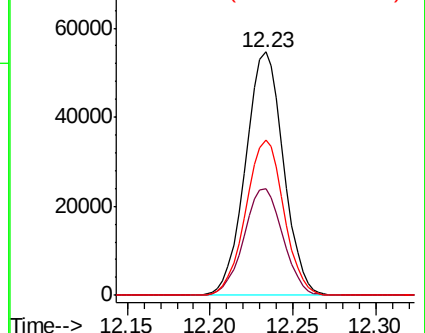
148 63.9 50.4 75.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.274 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. -0.00 min

Lab File: VU036740.D

Acq: 12 Feb 2020 09:35

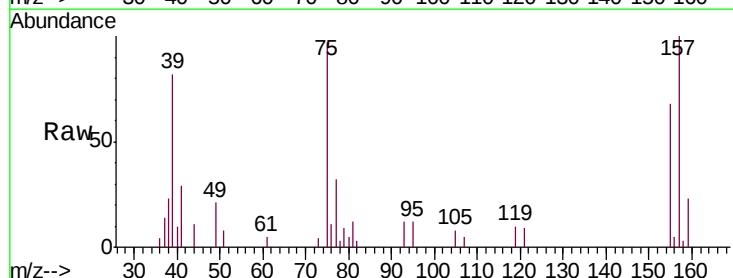
Tgt Ion: 75 Resp: 6883

Ion Ratio Lower Upper

75 100

155 69.9 52.9 79.3

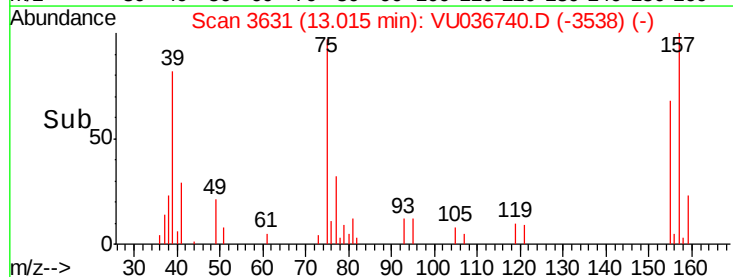
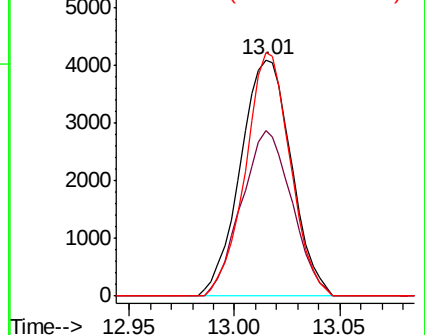
157 103.0 69.2 103.8

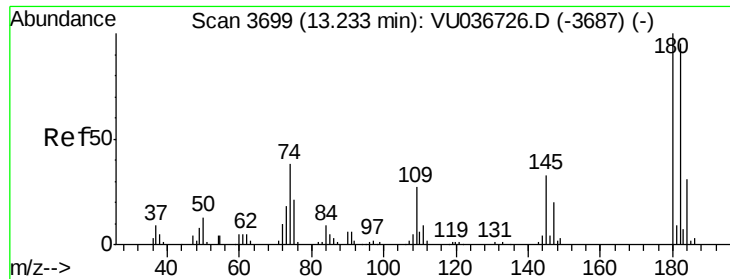


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

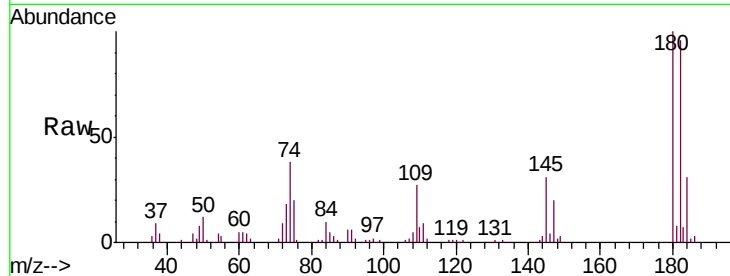




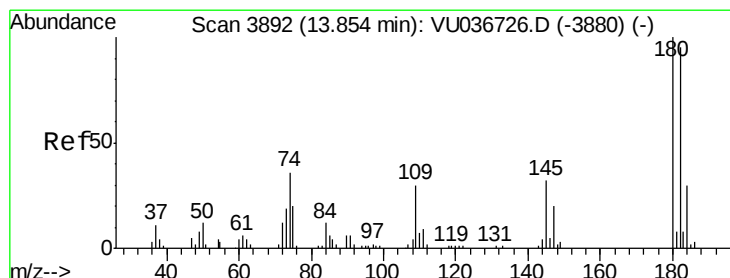
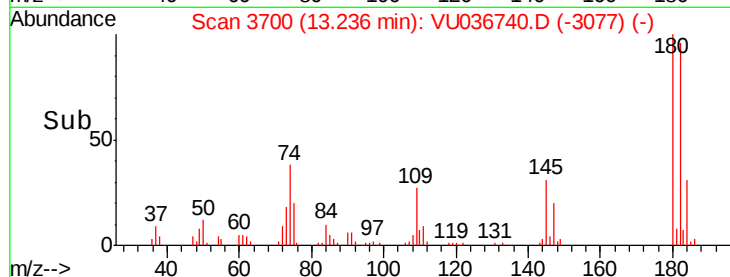
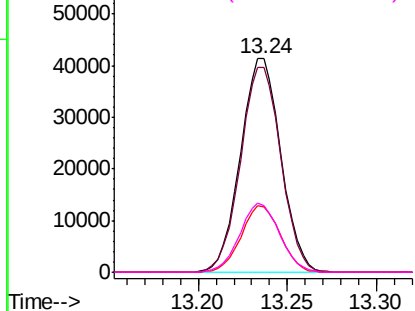
#67
 1,3,5-Trichlorobenzene
 Concen: 5.108 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. 0.00 min
 Lab File: VU036740.D
 Acq: 12 Feb 2020 09:35

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB05

Tgt Ion:180 Resp: 65228
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.4 114.6
 184 30.2 24.6 37.0
 145 31.9 25.3 37.9

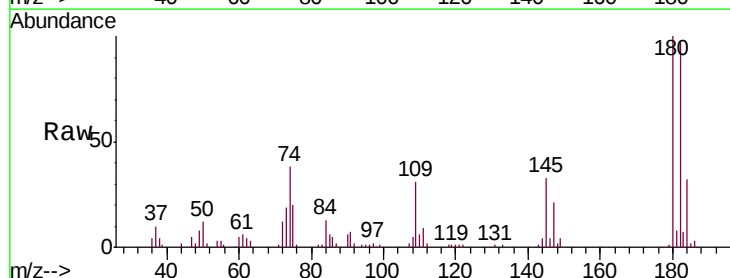


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

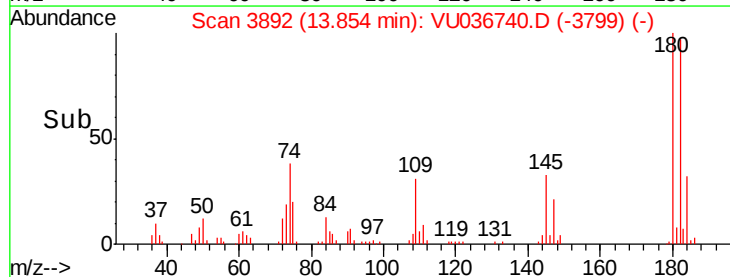
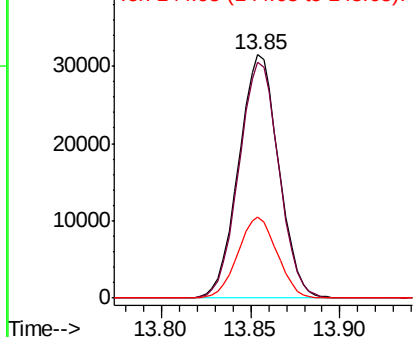


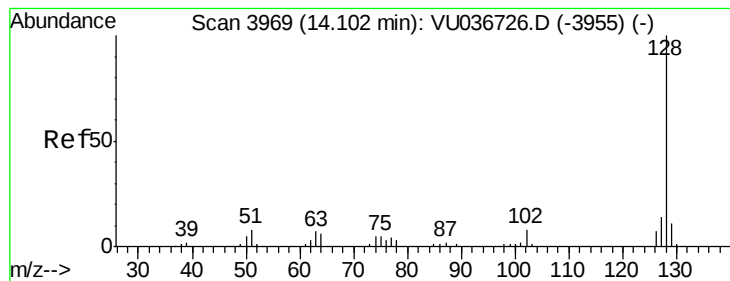
#68
 1,2,4-trichlorobenzene
 Concen: 5.125 ug/L
 RT: 13.85 min Scan# 3892
 Delta R.T. -0.00 min
 Lab File: VU036740.D
 Acq: 12 Feb 2020 09:35

Tgt Ion:180 Resp: 49352
 Ion Ratio Lower Upper
 180 100
 182 96.7 77.0 115.6
 145 32.6 26.5 39.7



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.153 ug/L

RT: 14.10 min Scan# 3969

Delta R.T. -0.00 min

Lab File: VU036740.D

Acq: 12 Feb 2020 09:35

Instrument :

MSVOA_U

ClientSampleId :

BFB05

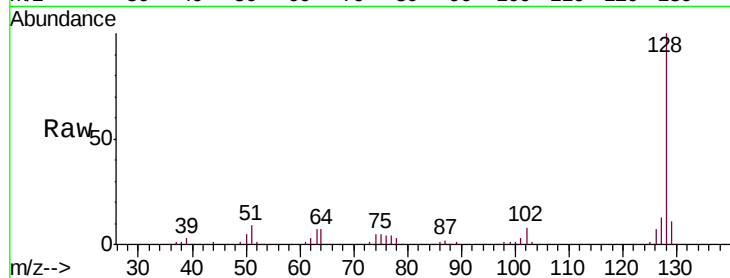
Tgt Ion:128 Resp: 89901

Ion Ratio Lower Upper

128 100

129 10.6 9.0 13.4

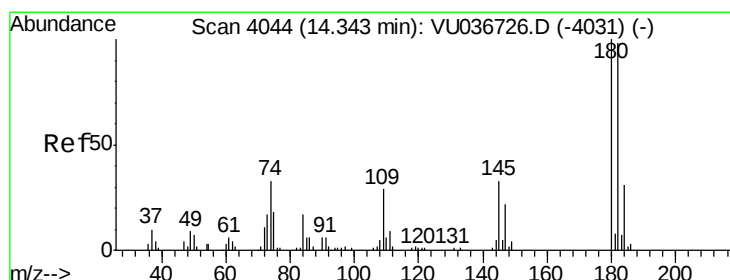
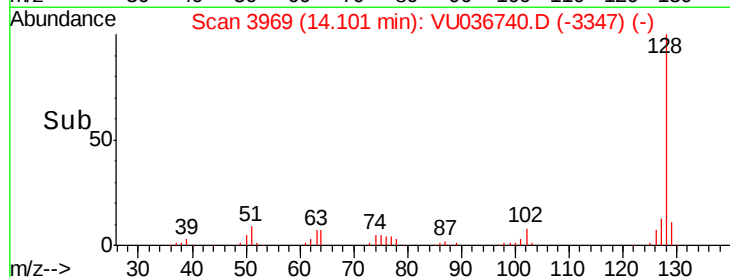
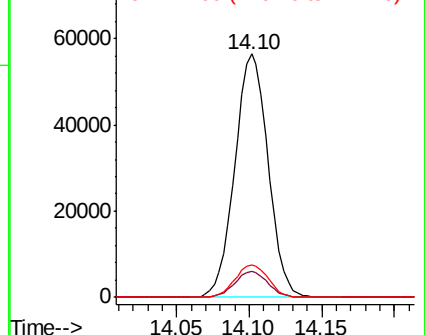
127 13.3 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.279 ug/L

RT: 14.34 min Scan# 4044

Delta R.T. -0.00 min

Lab File: VU036740.D

Acq: 12 Feb 2020 09:35

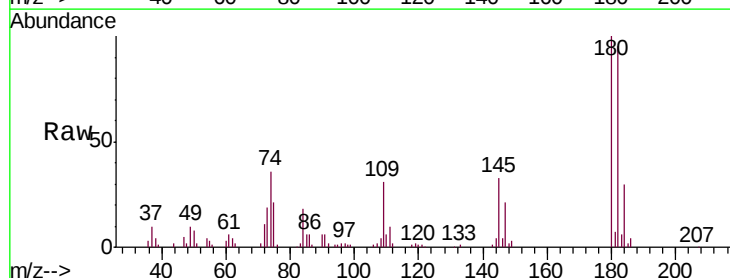
Tgt Ion:180 Resp: 45620

Ion Ratio Lower Upper

180 100

182 96.1 78.2 117.4

145 33.3 27.0 40.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

