

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032020\
 Data File : VU037353.D
 Acq On : 20 Mar 2020 18:06
 Operator : JC/MD
 Sample : VSTD01004
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 21 00:06:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR032020WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Mar 21 00:03:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	152009	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	151050	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	79572	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	98962	11.71	ug/L	0.00
7) Chloroethane-d5	1.93	69	79816	10.90	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	188491	10.63	ug/L	0.00
20) 2-Butanone-d5	4.68	46	243543	102.28	ug/L	0.00
24) Chloroform-d	5.11	84	198575	10.59	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	113891	10.43	ug/L	0.00
32) Benzene-d6	5.76	84	360458	10.94	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	112630	10.52	ug/L	0.00
41) Toluene-d8	7.93	98	362859	11.26	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	53532	11.14	ug/L	0.00
46) 2-Hexanone-d5	8.66	63	212381	103.09	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	94762	10.50	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	138927	10.39	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	159774	9.280	ug/L 99
3) Chloromethane	1.54	50	158898	9.203	ug/L 99
5) Vinyl chloride	1.62	62	144986	9.436	ug/L 98
6) Bromomethane	1.87	94	57111	7.673	ug/L 98
8) Chloroethane	1.95	64	79317	8.937	ug/L 100
9) Trichlorofluoromethane	2.15	101	218408	9.421	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	100694	9.389	ug/L 98
12) 1,1-Dichloroethene	2.60	96	94814	9.752	ug/L 99
13) Acetone	2.67	43	164200	84.727	ug/L 94
14) Carbon disulfide	2.82	76	322948	10.141	ug/L 98
15) Methyl Acetate	2.99	43	42084	9.316	ug/L 97
16) Methylene chloride	3.08	84	101269	8.712	ug/L 95
17) Methyl tert-butyl Ether	3.41	73	251906	9.181	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	99500	9.432	ug/L 95
19) 1,1-Dichloroethane	3.91	63	192421	9.213	ug/L 98
21) 2-Butanone	4.76	43	284101	91.042	ug/L 98
22) cis-1,2-Dichloroethene	4.71	96	111164	9.624	ug/L 97
23) Bromochloromethane	5.02	128	51230	9.807	ug/L 96
25) Chloroform	5.13	83	207469	9.095	ug/L 96
27) 1,2-Dichloroethane	5.83	62	147181	9.237	ug/L 100
29) 1,1,1-Trichloroethane	5.36	97	198297	9.711	ug/L 99
30) Cyclohexane	5.42	56	174444	9.580	ug/L 99
31) Carbon tetrachloride	5.56	117	177136	9.846	ug/L 97
33) Benzene	5.81	78	423721	9.456	ug/L 100
34) Trichloroethene	6.57	95	113030	9.264	ug/L 100
35) Methylcyclohexane	6.79	83	178639	9.733	ug/L 97
37) 1,2-Dichloropropane	6.83	63	110811	9.379	ug/L 99
38) Bromodichloromethane	7.14	83	152282	9.179	ug/L 100
39) cis-1,3-Dichloropropene	7.64	75	169816	9.553	ug/L 96
40) 4-Methyl-2-pentanone	7.82	43	716544	91.769	ug/L 99

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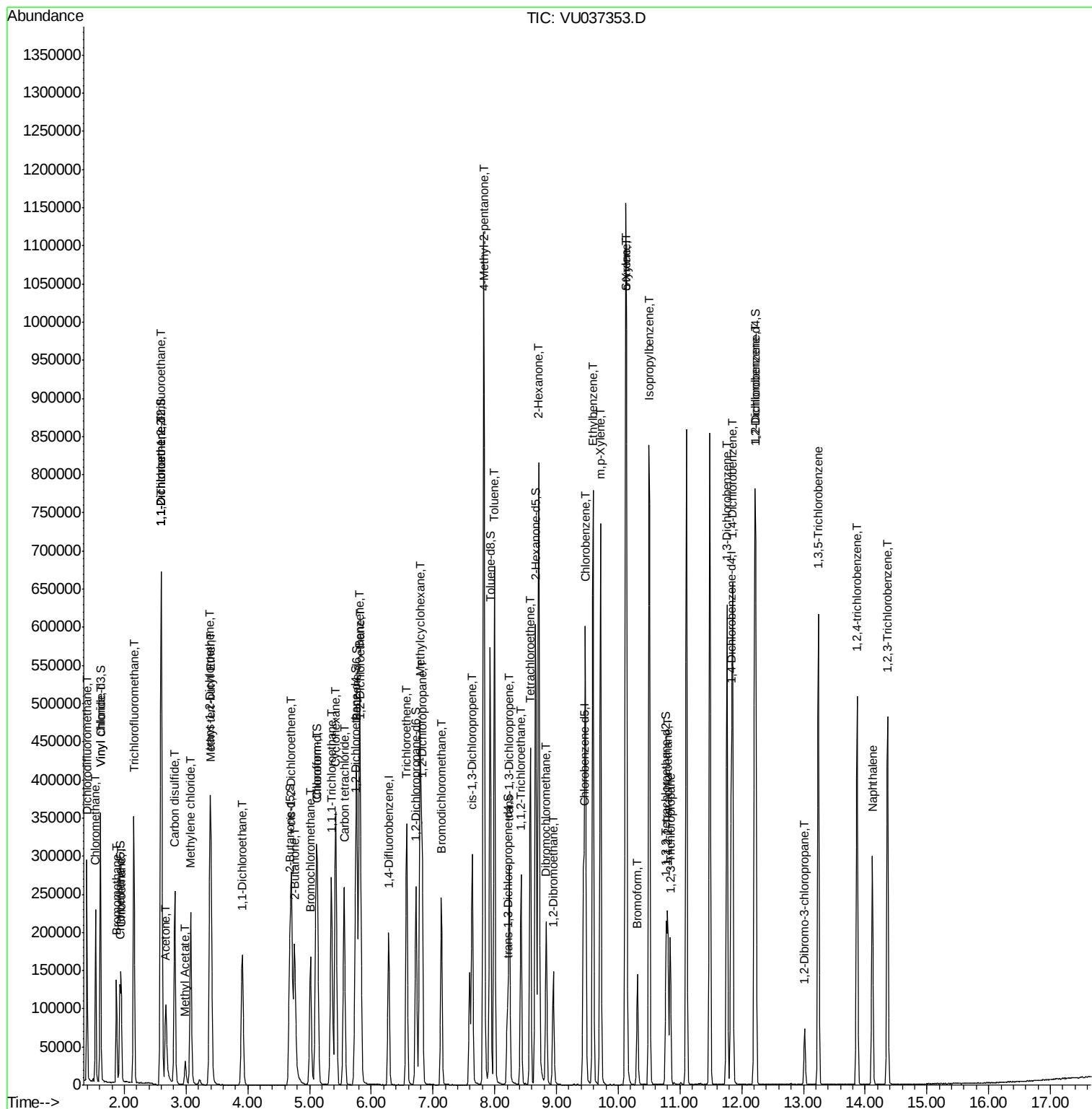
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	467392	9.670	ug/L	96
44) trans-1,3-Dichloropropene	8.24	75	155099	10.245	ug/L	96
45) 1,1,2-Trichloroethane	8.43	97	79768	9.390	ug/L	97
47) Tetrachloroethene	8.58	164	91332	9.616	ug/L	96
48) 2-Hexanone	8.71	43	513377	89.161	ug/L	99
49) Dibromochloromethane	8.84	129	104795	9.491	ug/L	98
50) 1,2-Dibromoethane	8.95	107	78399	9.433	ug/L #	97
51) Chlorobenzene	9.47	112	295065	9.452	ug/L	97
52) Ethylbenzene	9.59	91	524486	9.599	ug/L	99
53) m,p-Xylene	9.71	106	197923	9.822	ug/L	99
54) o-Xylene	10.12	106	192369	10.042	ug/L	100
55) Styrene	10.13	104	328090	10.110	ug/L	99
56) Isopropylbenzene	10.50	105	527019	9.823	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	99886	8.949	ug/L	97
59) 1,2,3-Trichloropropane	10.84	75	74675	9.004	ug/L	99
61) Bromoform	10.31	173	62950	9.051	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	243695	9.234	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	243475	9.233	ug/L	97
65) 1,2-Dichlorobenzene	12.23	146	228550	8.906	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.02	75	18866	9.430	ug/L	94
67) 1,3,5-Trichlorobenzene	13.24	180	181711	9.047	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	150500	10.669	ug/L	99
69) Naphthalene	14.12	128	232320	11.476	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	141400	10.366	ug/L	97

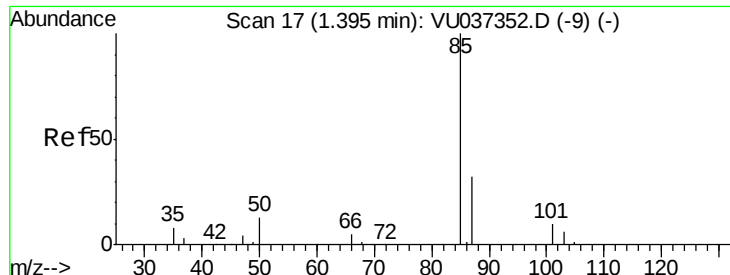
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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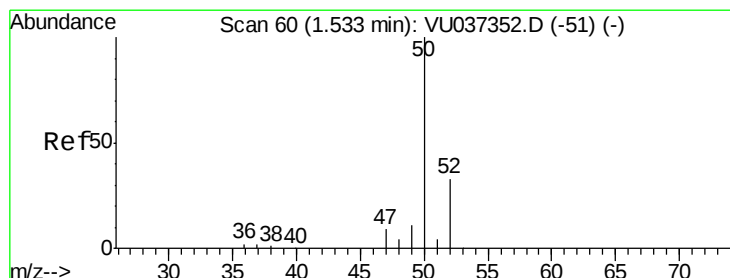
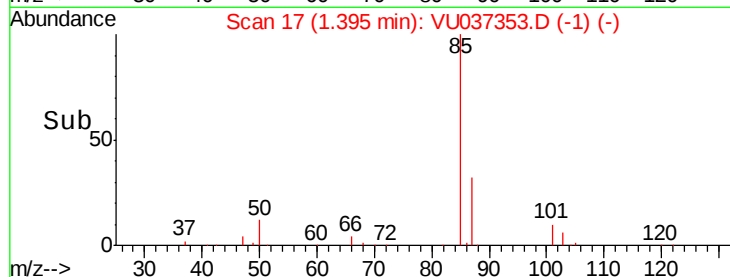
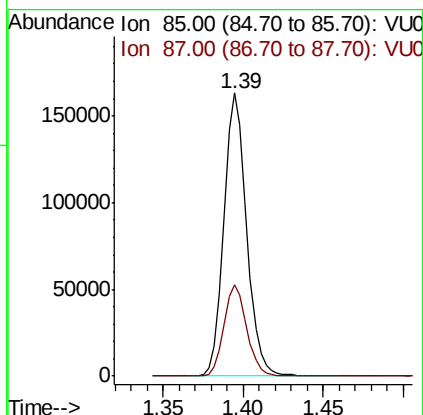
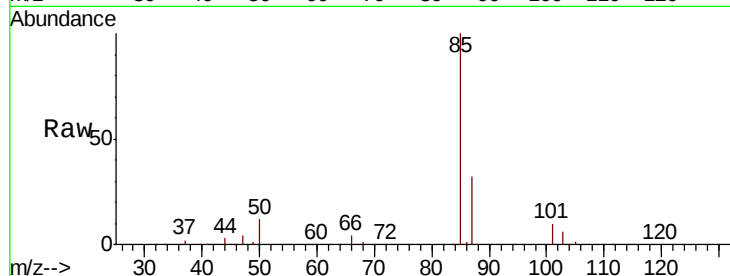




#2
 Dichlorodifluoromethane
 Concen: 9.280 ug/L
 RT: 1.39 min Scan# 17
 Delta R.T. 0.00 min
 Lab File: VU037353.D
 Acq: 20 Mar 2020 18:06

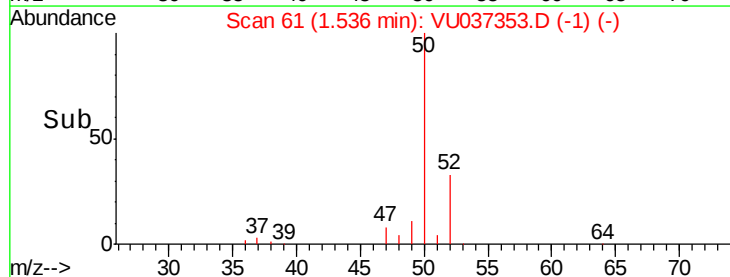
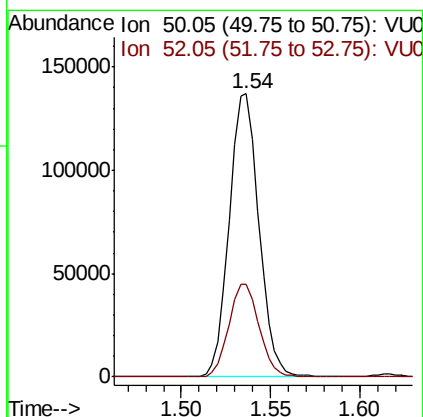
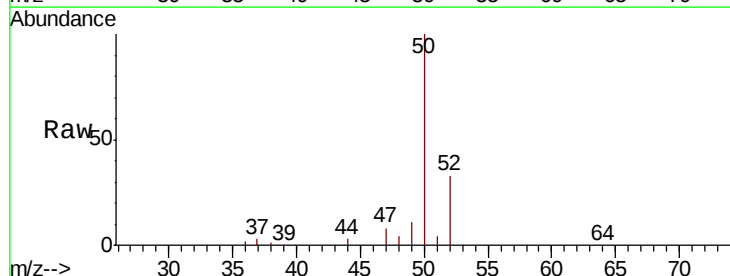
Instrument :
 MSVOA_U
 ClientSampleId :

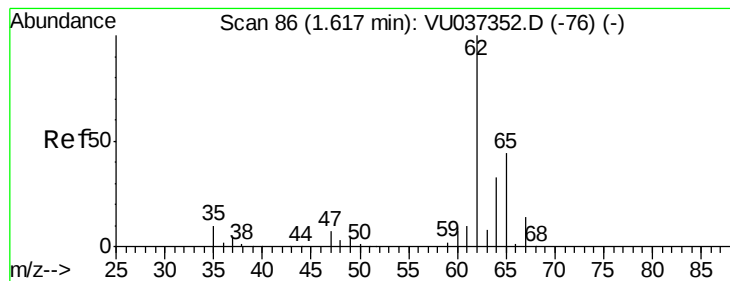
Tot Ion: 85 Resp: 159774
 Ion Ratio Lower Upper
 85 100
 87 32.4 25.7 38.5



#3
 Chloromethane
 Concen: 9.203 ug/L
 RT: 1.54 min Scan# 61
 Delta R.T. 0.00 min
 Lab File: VU037353.D
 Acq: 20 Mar 2020 18:06

Tgt Ion: 50 Resp: 158898
 Ion Ratio Lower Upper
 50 100
 52 32.9 22.8 42.4





#5

Vinyl chloride

Concen: 9.436 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037353.D

Acq: 20 Mar 2020 18:06

Instrument :

MSVOA_U

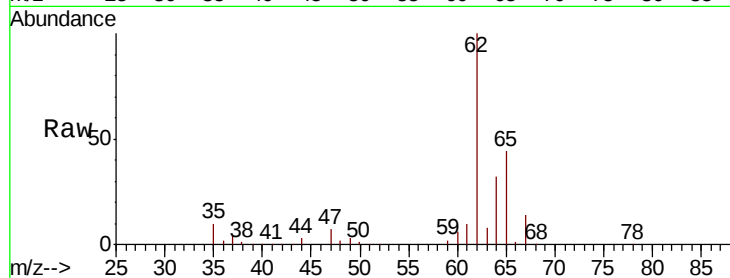
ClientSampleId :

Tot Ion: 62 Resp: 144986

Ion Ratio Lower Upper

62 100

64 32.2 23.2 43.0



Abundance Ion 62.00 (61.70 to 62.70): VU037353.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU037353.D (-1) (-)

1.62

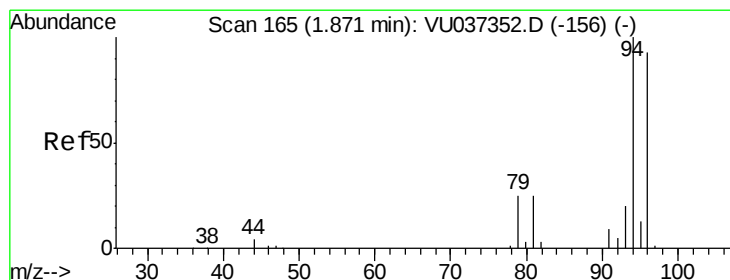
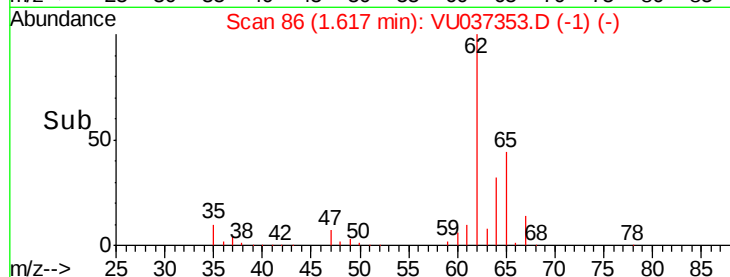
150000

100000

50000

0

Time--> 1.55 1.60 1.65 1.70



#6

Bromomethane

Concen: 7.673 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU037353.D

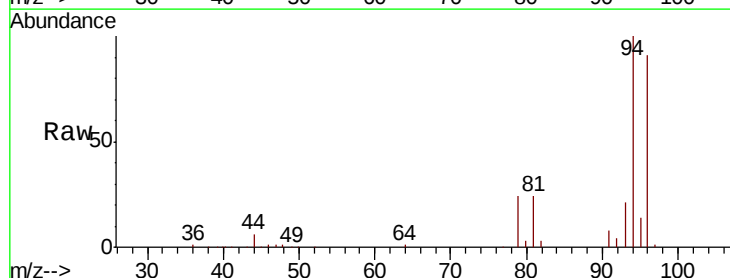
Acq: 20 Mar 2020 18:06

Tgt Ion: 94 Resp: 57111

Ion Ratio Lower Upper

94 100

96 90.7 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VU037353.D (-72) (-)

Ion 96.00 (95.70 to 96.70): VU037353.D (-72) (-)

1.87

50000

40000

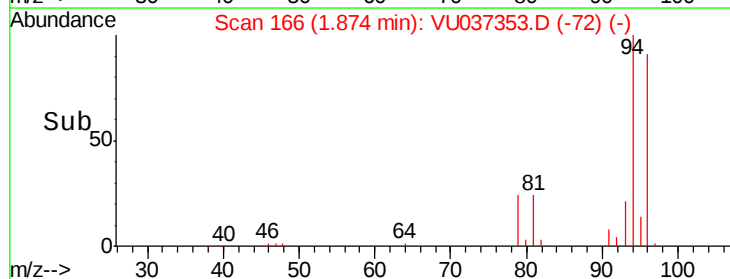
30000

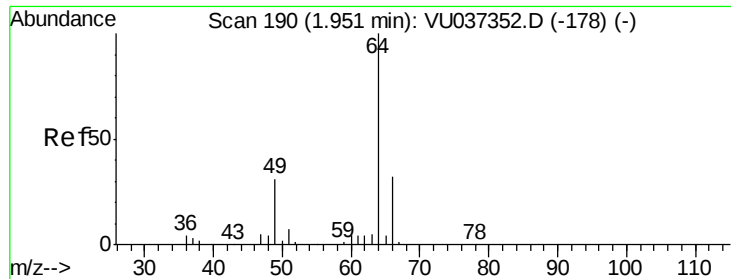
20000

10000

0

Time--> 1.80 1.85 1.90 1.95





#8

Chloroethane

Concen: 8.937 ug/L

RT: 1.95 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU037353.D

Acq: 20 Mar 2020 18:06

Instrument :

MSVOA_U

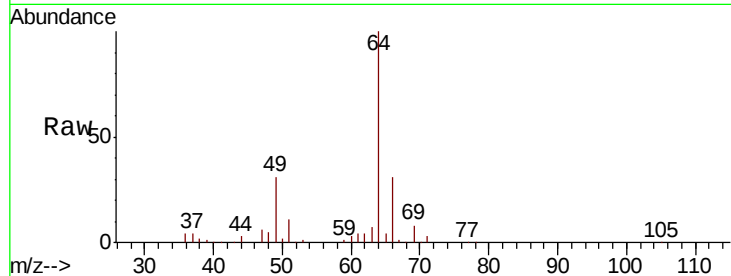
ClientSampleId :

Tot Ion: 64 Resp: 79317

Ion Ratio Lower Upper

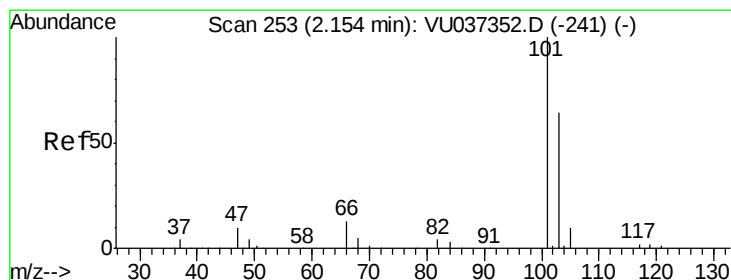
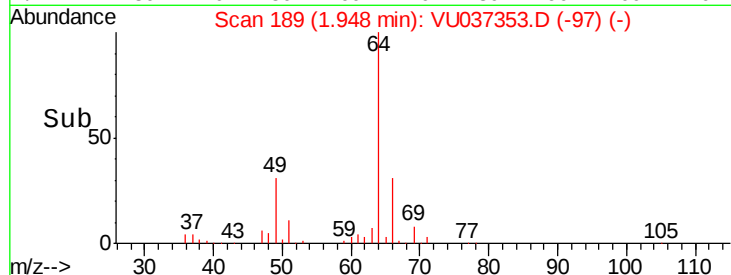
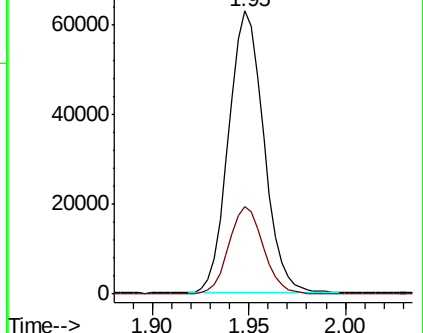
64 100

66 31.1 21.8 40.6



Abundance Ion 64.10 (63.80 to 64.80): VU037352.D (-178) (-)

Ion 66.05 (65.75 to 66.75): VU037353.D (-97) (-)



#9

Trichlorofluoromethane

Concen: 9.421 ug/L

RT: 2.15 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU037353.D

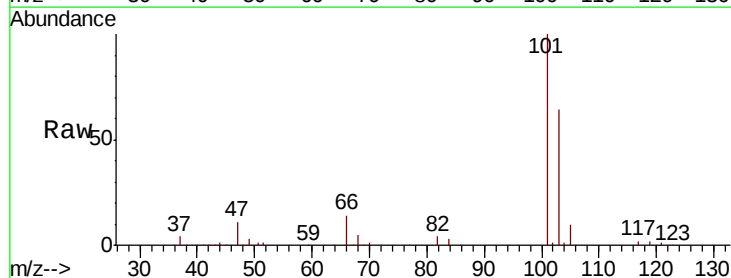
Acq: 20 Mar 2020 18:06

Tgt Ion:101 Resp: 218408

Ion Ratio Lower Upper

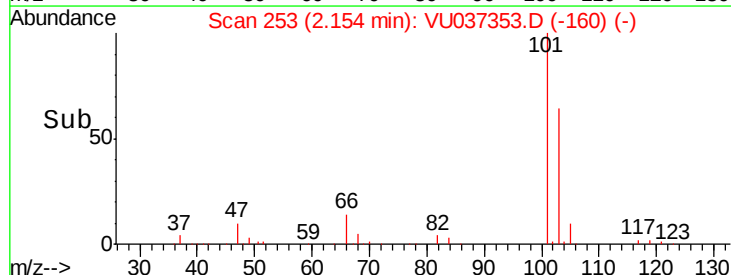
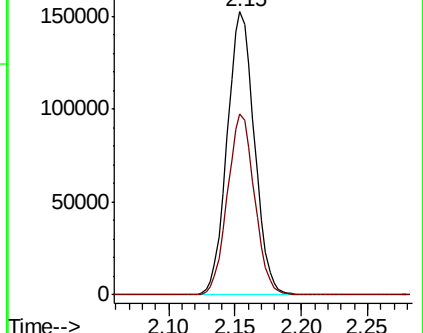
101 100

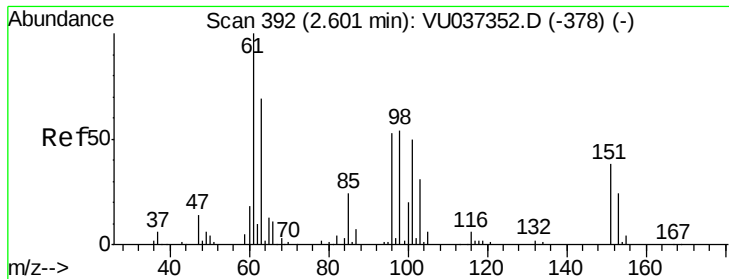
103 63.5 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VU037352.D (-241) (-)

Ion 103.00 (102.70 to 103.70): VU037353.D (-160) (-)





#10

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

Concen: 9.389 ug/L

RT: 2.60 min Scan# 392

Delta R.T. 0.00 min

Lab File: VU037353.D

Acq: 20 Mar 2020 18:06

Instrument :

MSVOA_U

ClientSampleId :

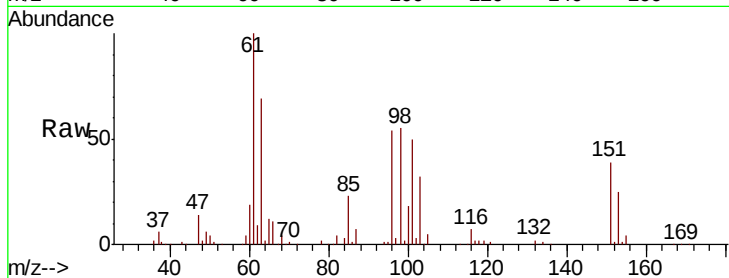
Tot Ion:101 Resp: 100694

Ion Ratio Lower Upper

101 100

85 46.0 39.0 58.4

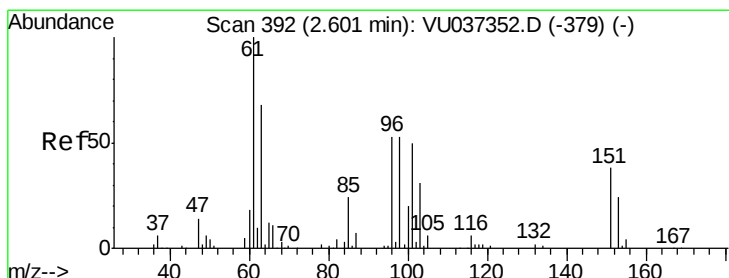
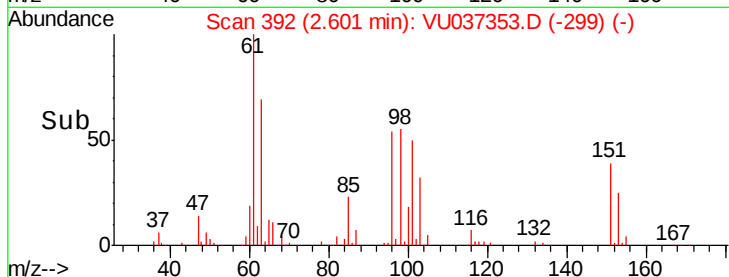
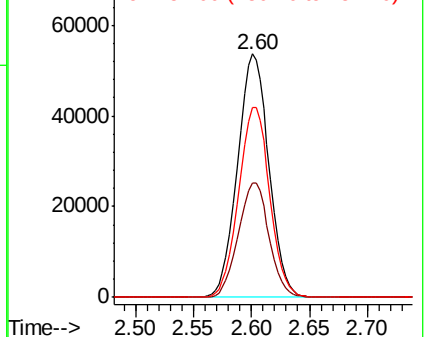
151 77.5 62.2 93.2



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: 9.752 ug/L

RT: 2.60 min Scan# 392

Delta R.T. 0.00 min

Lab File: VU037353.D

Acq: 20 Mar 2020 18:06

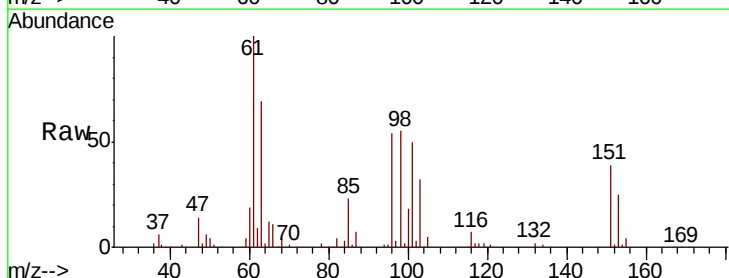
Tgt Ion: 96 Resp: 94814

Ion Ratio Lower Upper

96 100

61 186.0 131.7 244.5

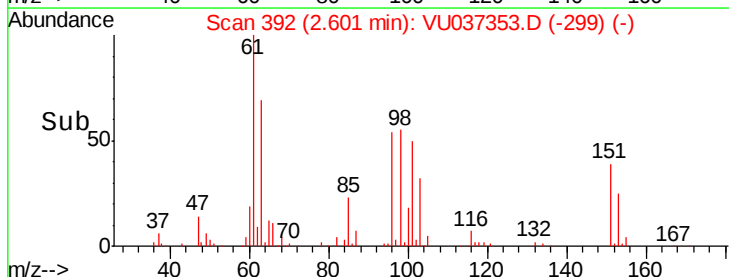
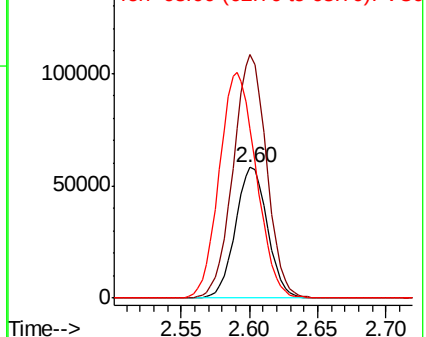
63 129.0 91.4 169.8

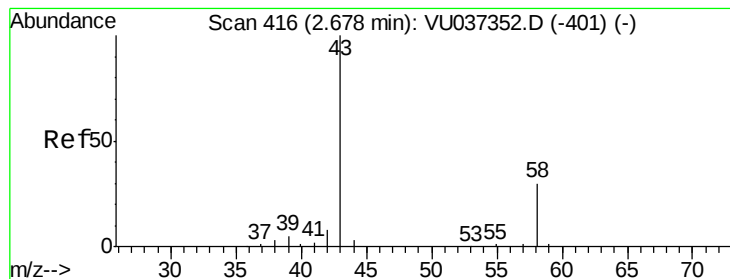


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 84.727 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.01 min

Lab File: VU037353.D

Acq: 20 Mar 2020 18:06

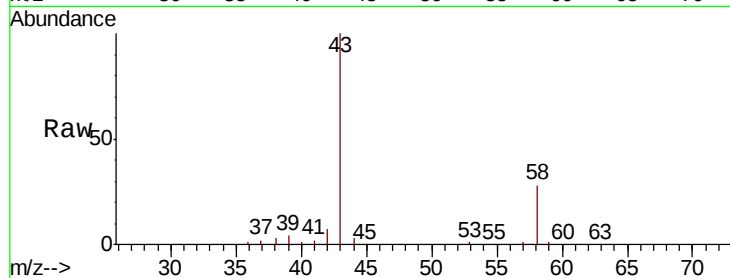
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 164200

Ion Ratio Lower Upper

43 100

58 29.3 0.0 52.4



Abundance Ion 43.05 (42.75 to 43.75): VU037352.D (-401) (-)

Ion 58.05 (57.75 to 58.75): VU037352.D (-401) (-)

2.67

80000

60000

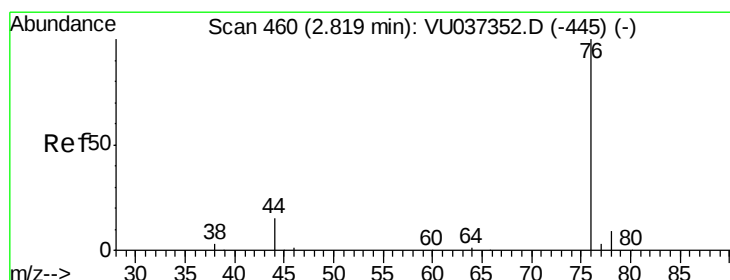
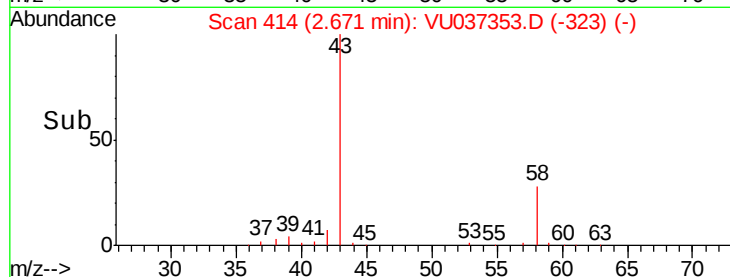
40000

20000

0

2.60 2.70 2.80

Time-->



#14

Carbon disulfide

Concen: 10.141 ug/L

RT: 2.82 min Scan# 459

Delta R.T. -0.00 min

Lab File: VU037353.D

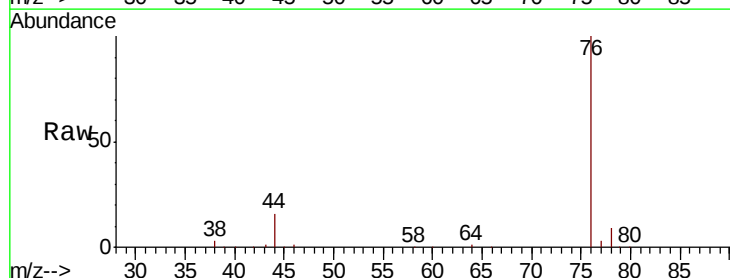
Acq: 20 Mar 2020 18:06

Tgt Ion: 76 Resp: 322948

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.4



Abundance Ion 76.05 (75.75 to 76.75): VU037352.D (-445) (-)

Ion 78.00 (77.70 to 78.70): VU037352.D (-445) (-)

2.82

200000

150000

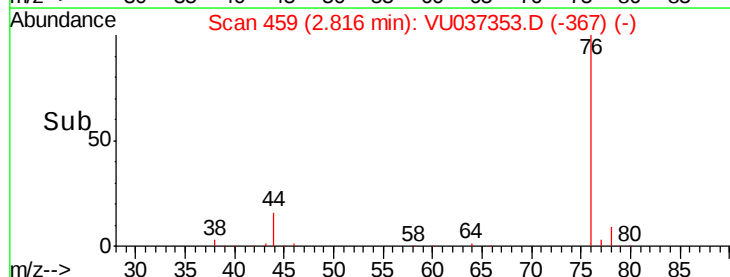
100000

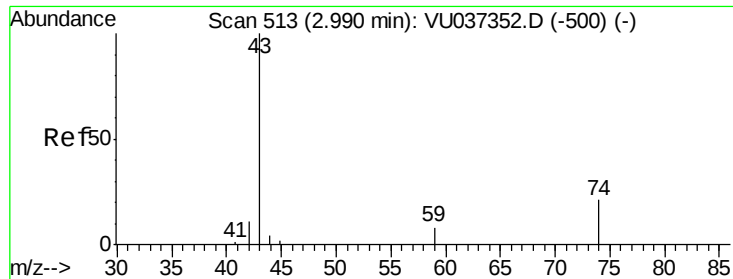
50000

0

2.80 2.90

Time-->





#15

Methyl Acetate

Concen: 9.316 ug/L

RT: 2.99 min Scan# 512

Delta R.T. -0.00 min

Lab File: VU037353.D

Acq: 20 Mar 2020 18:06

Instrument :

MSVOA_U

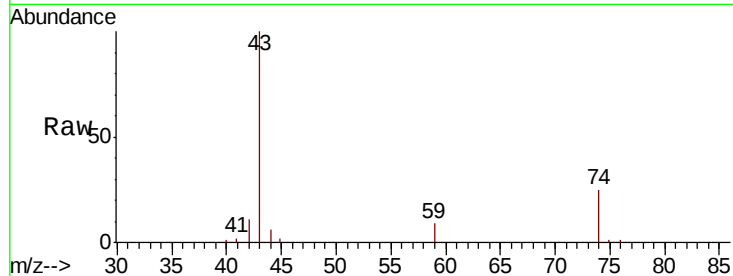
ClientSampled :

Tot Ion: 43 Resp: 42084

Ion Ratio Lower Upper

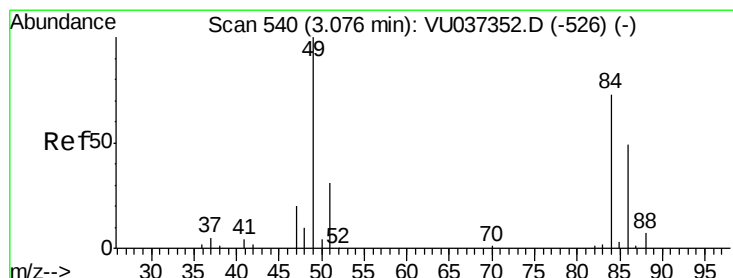
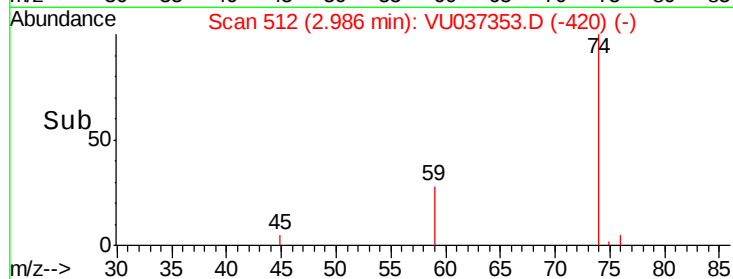
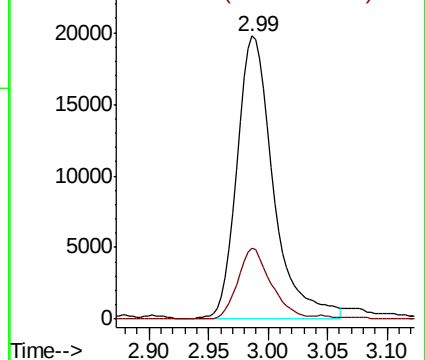
43 100

74 22.7 19.5 29.3



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 8.712 ug/L

RT: 3.08 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU037353.D

Acq: 20 Mar 2020 18:06

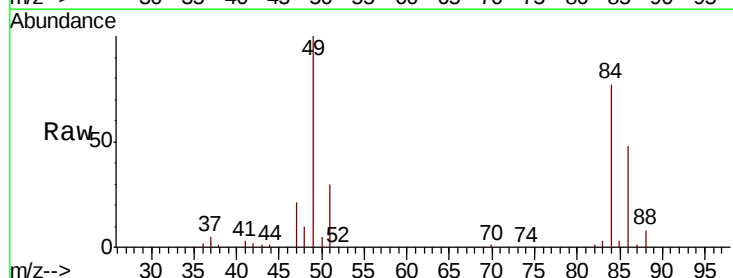
Tgt Ion: 84 Resp: 101269

Ion Ratio Lower Upper

84 100

86 62.8 46.8 87.0

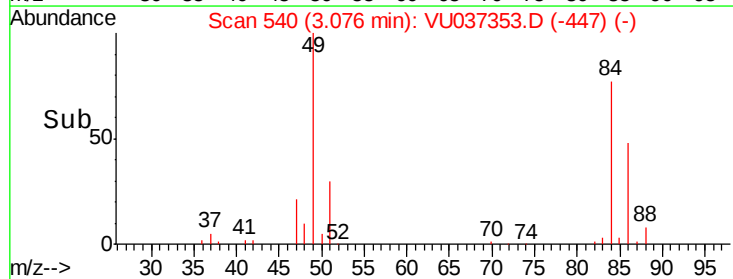
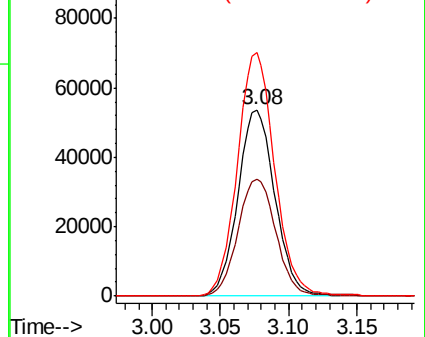
49 130.7 95.4 177.2

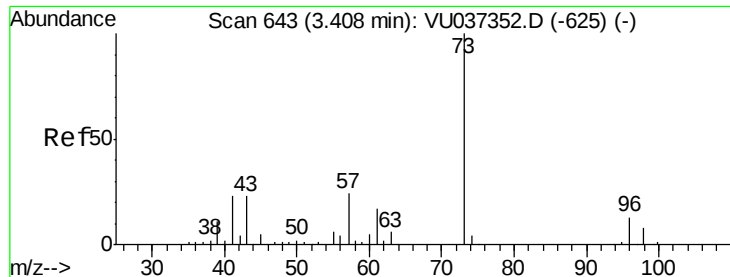


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

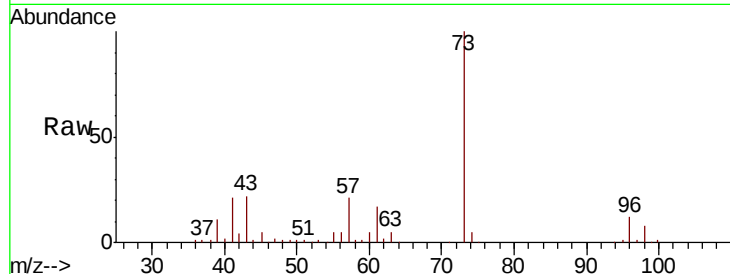




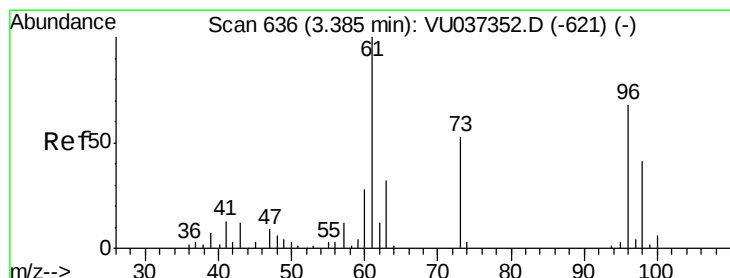
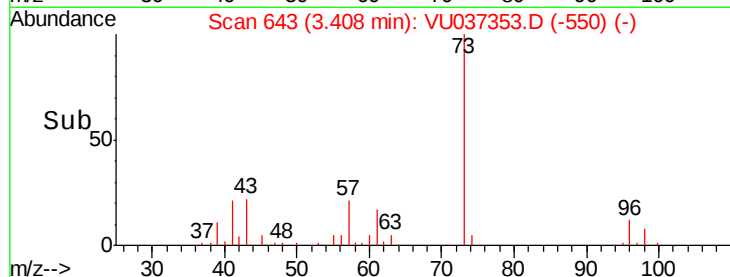
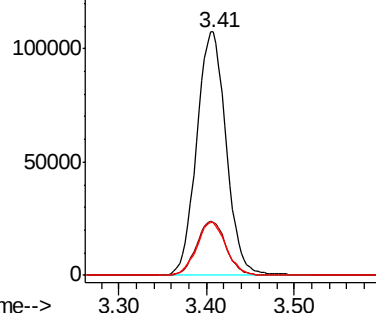
#17
Methvl tert-butvl Ether
Concen: 9.181 ug/L
RT: 3.41 min Scan# 643
Delta R.T. 0.00 min
Lab File: VU037353.D
Acq: 20 Mar 2020 18:06

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 73 Resp: 251906
Ion Ratio Lower Upper
73 100
43 22.4 18.2 27.2
57 21.7 17.9 26.9

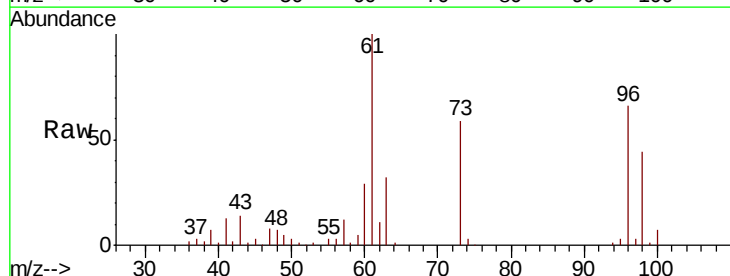


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

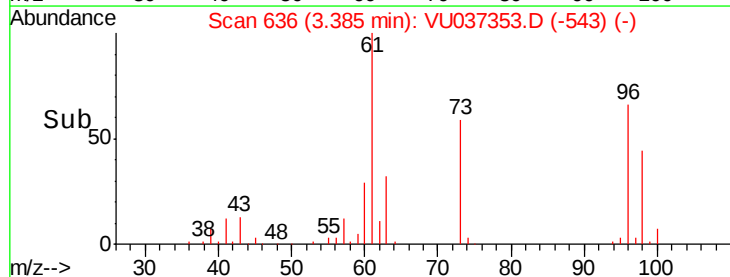
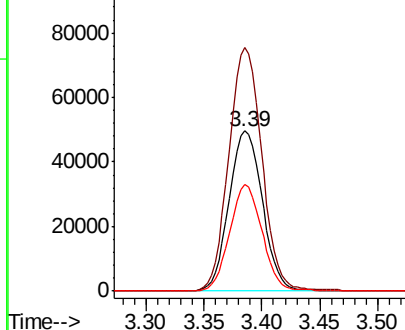


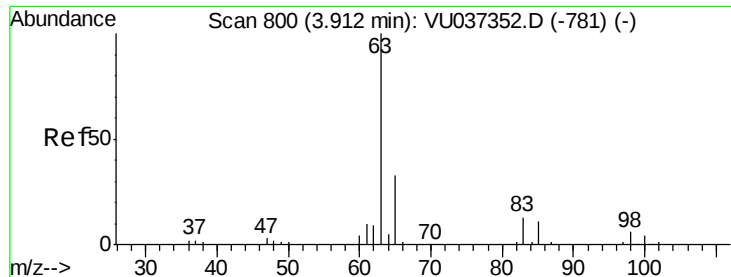
#18
trans-1,2-Dichloroethene
Concen: 9.432 ug/L
RT: 3.39 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU037353.D
Acq: 20 Mar 2020 18:06

Tgt Ion: 96 Resp: 99500
Ion Ratio Lower Upper
96 100
61 151.8 103.5 192.1
98 66.6 42.4 78.8



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

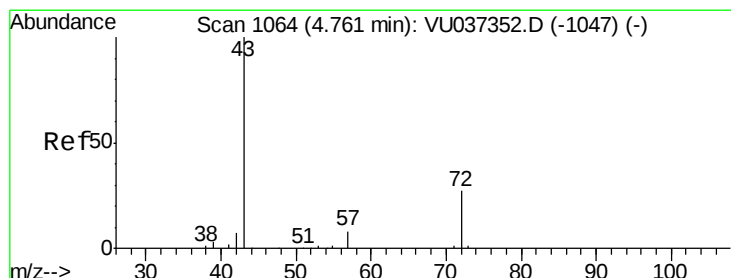
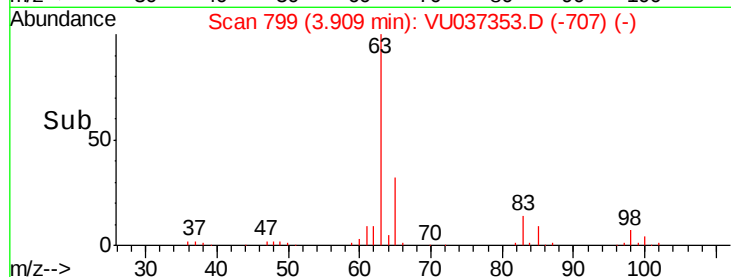
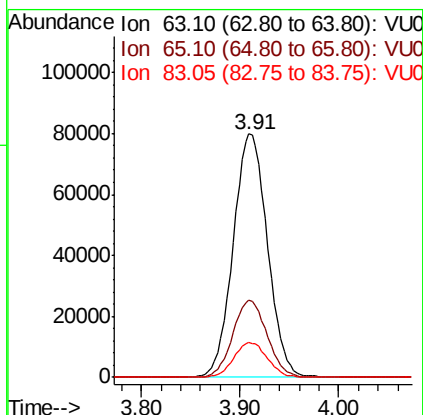
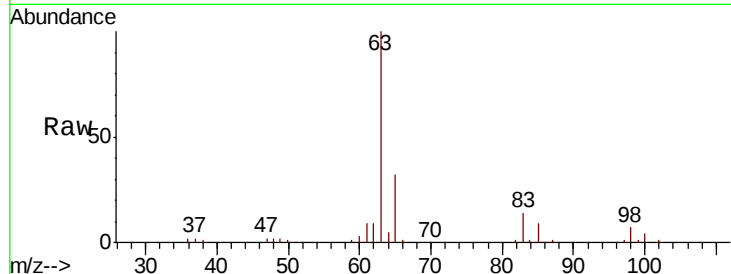




#19
 1,1-Dichloroethane
 Concen: 9.213 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU037353.D
 Acq: 20 Mar 2020 18:06

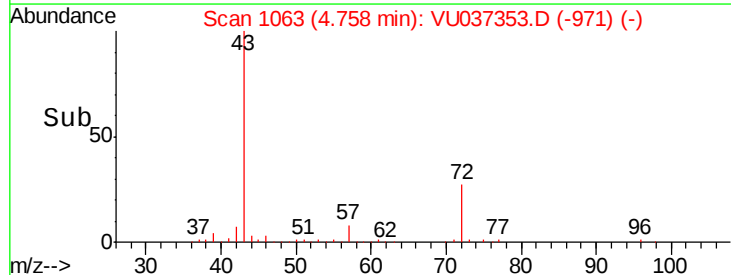
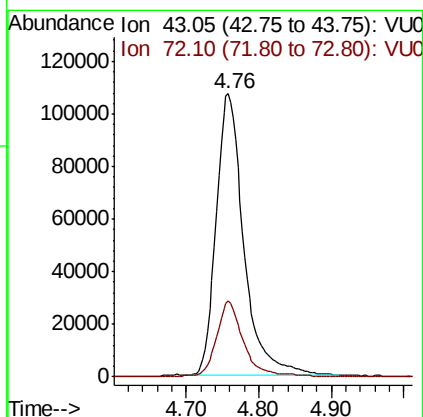
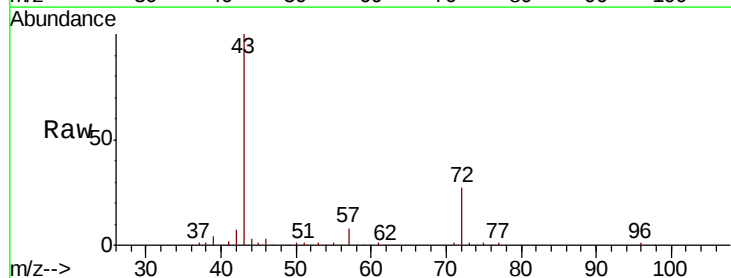
Instrument :
 MSVOA_U
 ClientSampled :

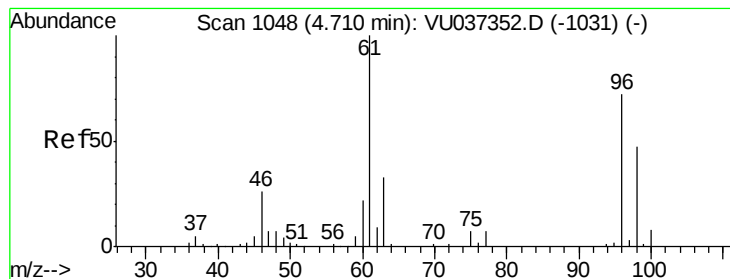
Tot Ion: 63 Resp: 192421
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.9 42.5
 83 14.1 9.2 17.0



#21
 2-Butanone
 Concen: 91.042 ug/L
 RT: 4.76 min Scan# 1063
 Delta R.T. -0.00 min
 Lab File: VU037353.D
 Acq: 20 Mar 2020 18:06

Tgt Ion: 43 Resp: 284101
 Ion Ratio Lower Upper
 43 100
 72 26.6 12.9 38.6





#22

cis-1,2-Dichloroethene

Concen: 9.624 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU037353.D

Acq: 20 Mar 2020 18:06

Instrument :

MSVOA_U

ClientSampled :

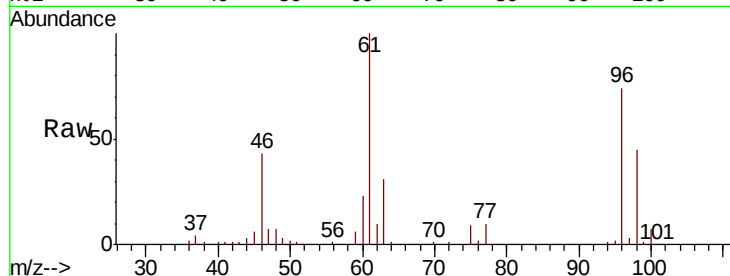
Tot Ion: 96 Resp: 111164

Ion Ratio Lower Upper

96 100

61 135.6 97.6 181.4

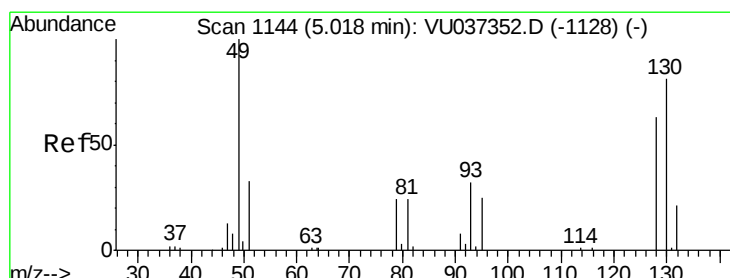
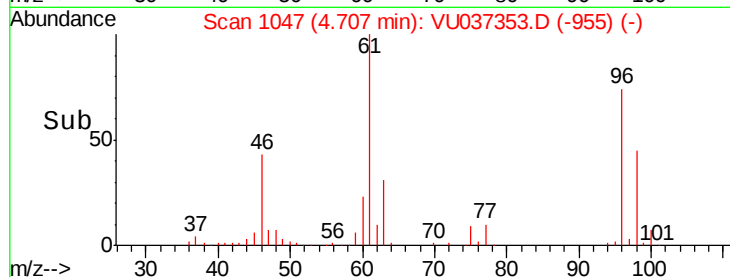
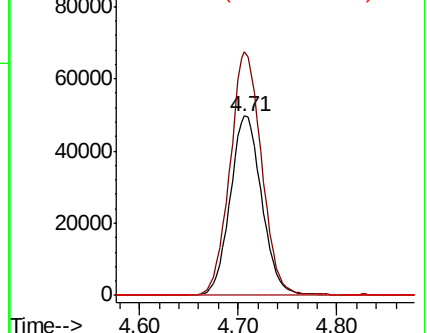
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU037353.D (-955) (-)

Ion 61.05 (60.75 to 61.75): VU037353.D (-955) (-)

Ion 68.15 (67.85 to 68.85): VU037353.D (-955) (-)



#23

Bromochloromethane

Concen: 9.807 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VU037353.D

Acq: 20 Mar 2020 18:06

Tgt Ion: 128 Resp: 51230

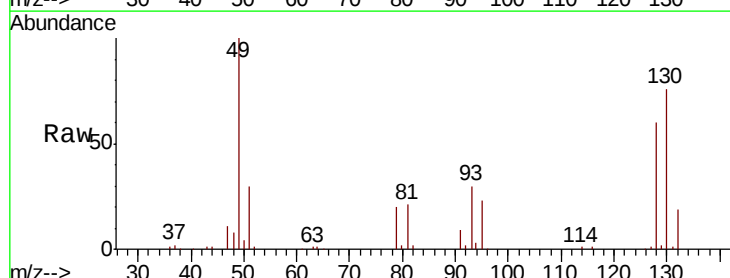
Ion Ratio Lower Upper

128 100

49 165.8 110.7 205.7

130 126.3 89.2 165.6

51 49.7 42.1 63.1

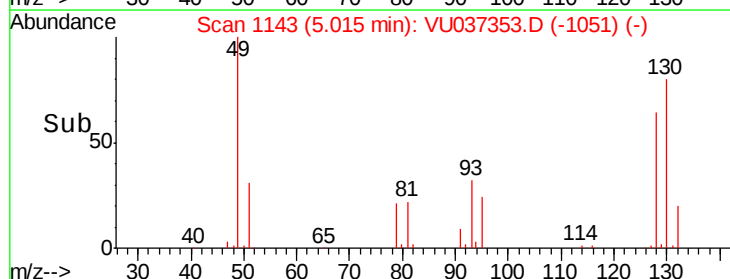
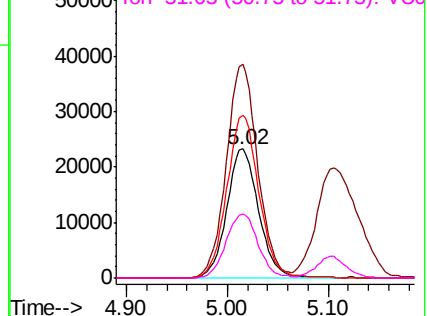


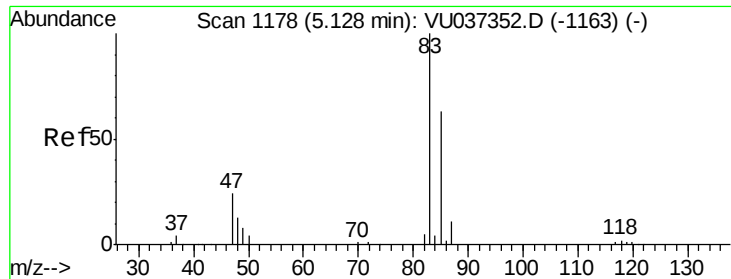
Abundance Ion 127.90 (127.60 to 128.60): VU037353.D (-1051) (-)

Ion 49.10 (48.80 to 49.80): VU037353.D (-1051) (-)

Ion 129.95 (129.65 to 130.65): VU037353.D (-1051) (-)

Ion 51.05 (50.75 to 51.75): VU037353.D (-1051) (-)

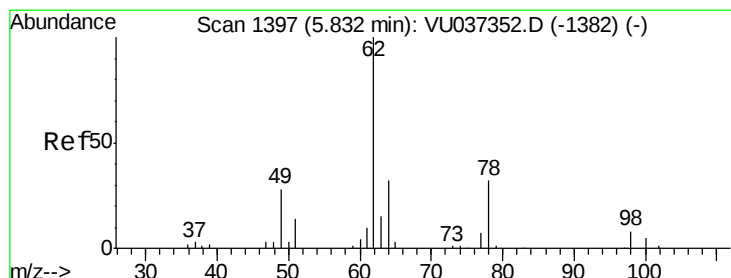
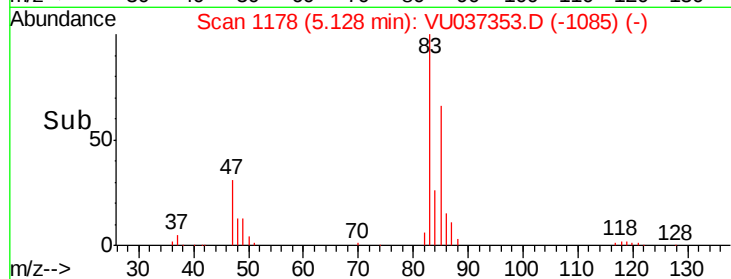
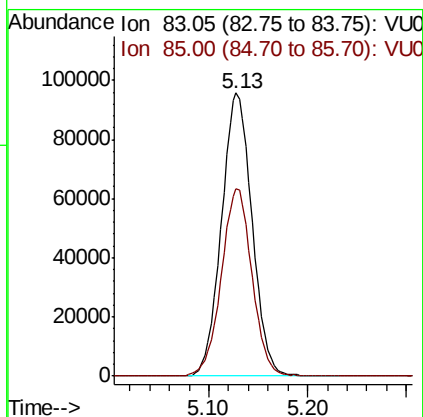
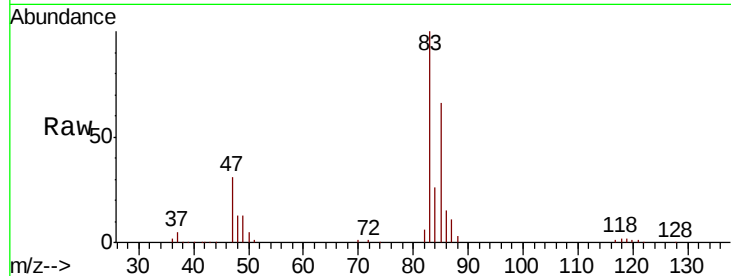




#25
Chloroform
Concen: 9.095 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037353.D
Acq: 20 Mar 2020 18:06

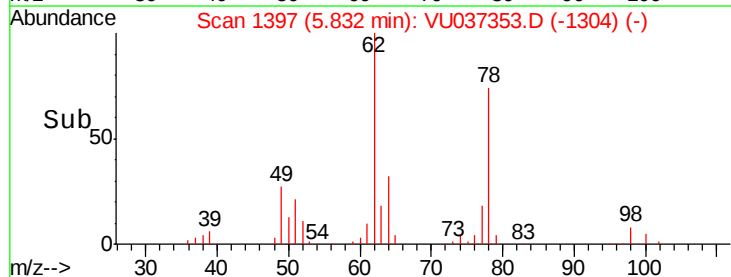
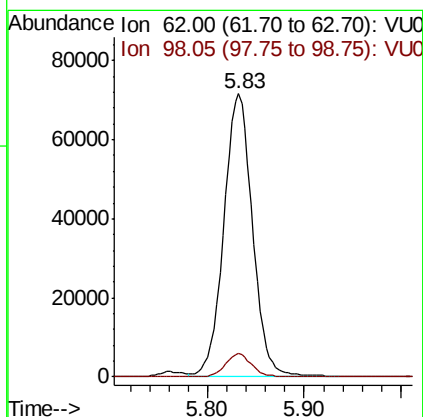
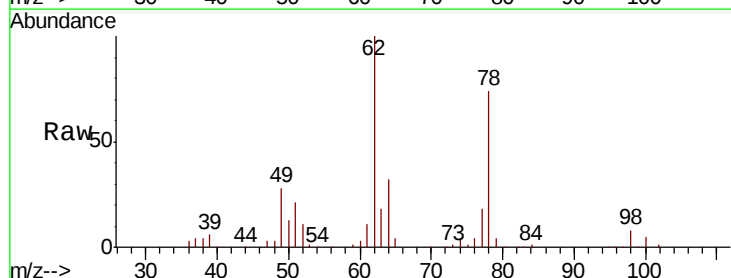
Instrument :
MSVOA_U
ClientSampled :

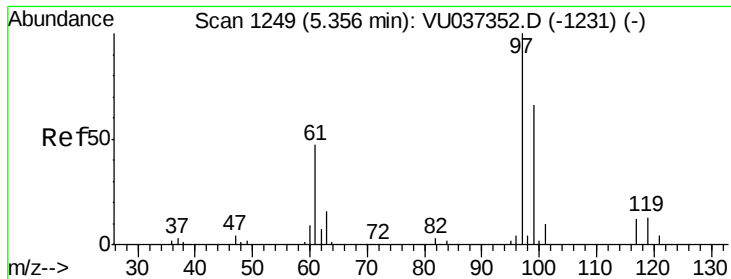
Tot Ion: 83 Resp: 207469
Ion Ratio Lower Upper
83 100
85 66.3 44.1 81.9



#27
1,2-Dichloroethane
Concen: 9.237 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU037353.D
Acq: 20 Mar 2020 18:06

Tgt Ion: 62 Resp: 147181
Ion Ratio Lower Upper
62 100
98 8.2 6.4 9.6

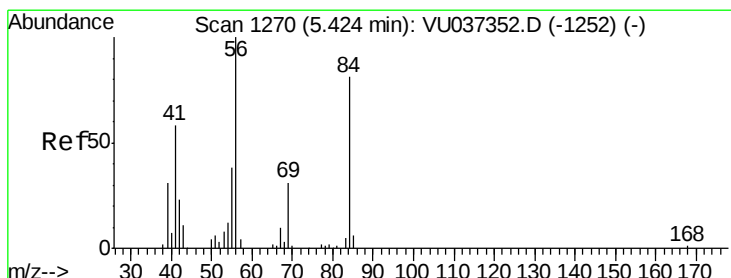
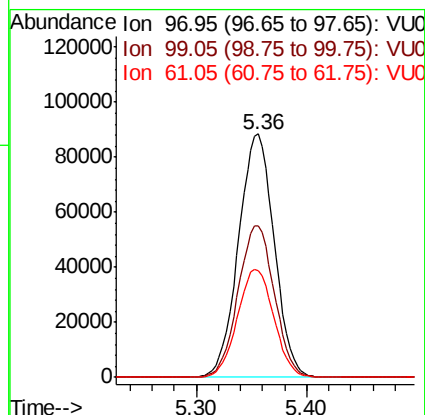
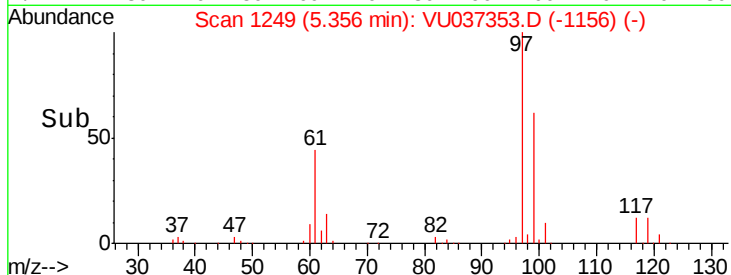
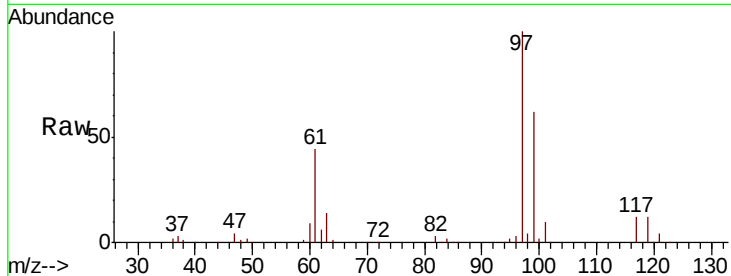




#29
 1,1,1-Trichloroethane
 Concen: 9.711 ug/L
 RT: 5.36 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VU037353.D
 Acq: 20 Mar 2020 18:06

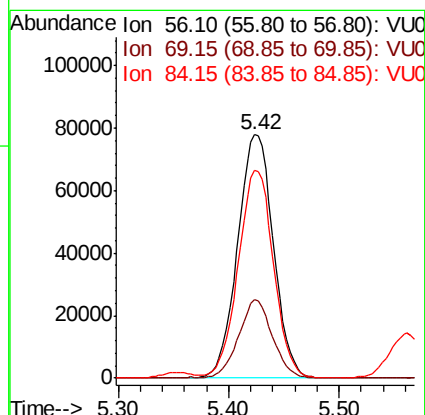
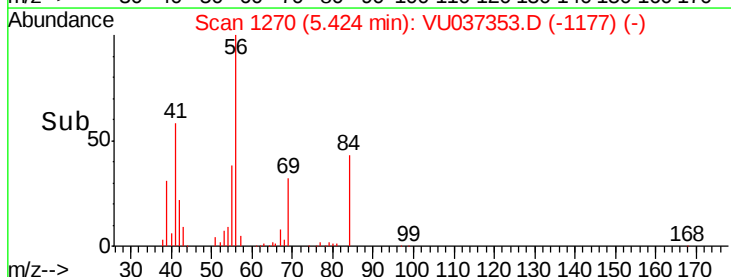
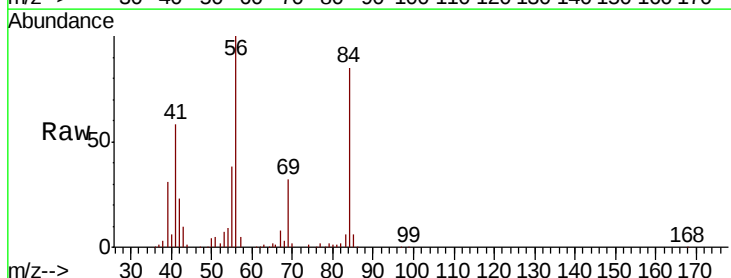
Instrument :
 MSVOA_U
 ClientSampled :

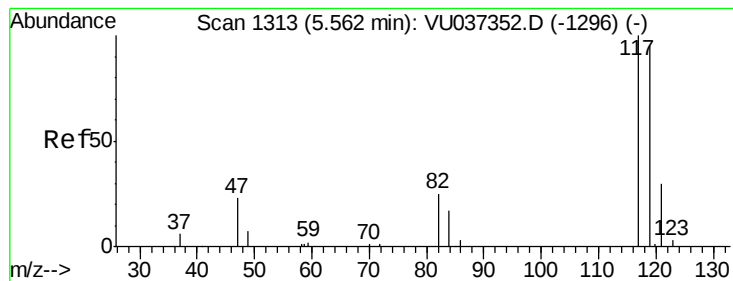
Tot Ion: 97 Resp: 198297
 Ion Ratio Lower Upper
 97 100
 99 63.5 51.7 77.5
 61 45.3 36.8 55.2



#30
 Cyclohexane
 Concen: 9.580 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VU037353.D
 Acq: 20 Mar 2020 18:06

Tgt Ion: 56 Resp: 174444
 Ion Ratio Lower Upper
 56 100
 69 30.4 24.6 37.0
 84 84.7 68.5 102.7





#31

Carbon tetrachloride

Concen: 9.846 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU037353.D

Acq: 20 Mar 2020 18:06

Instrument :

MSVOA_U

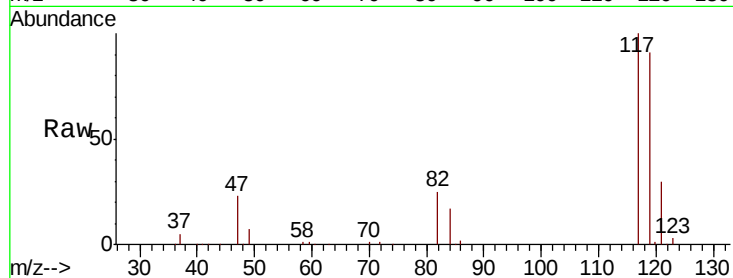
ClientSampleId :

Tot Ion:117 Resp: 177136

Ion Ratio Lower Upper

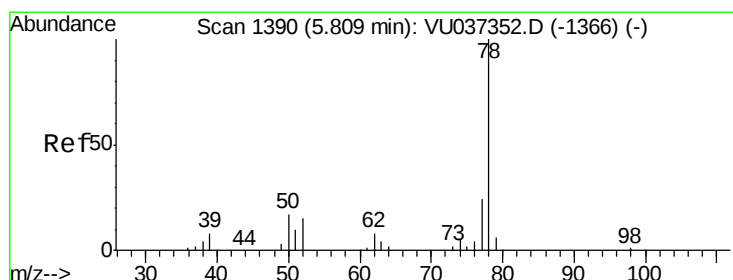
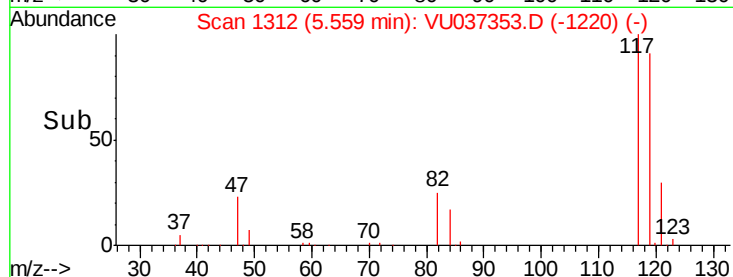
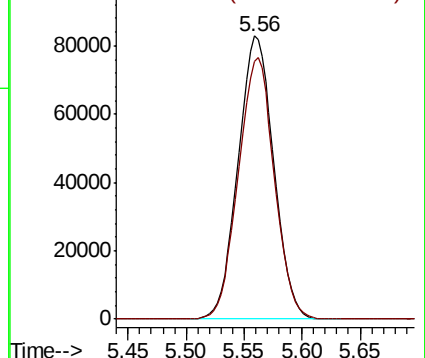
117 100

119 93.3 77.3 115.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 9.456 ug/L

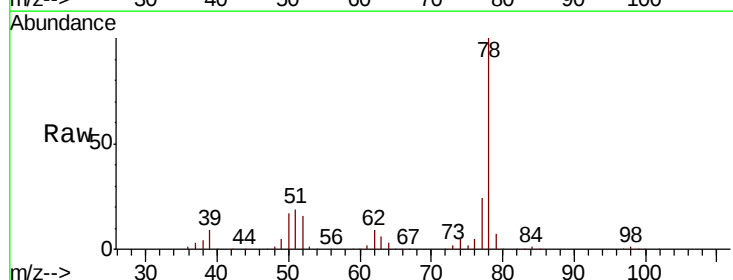
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

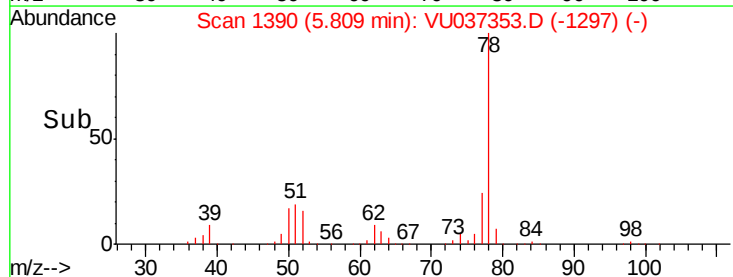
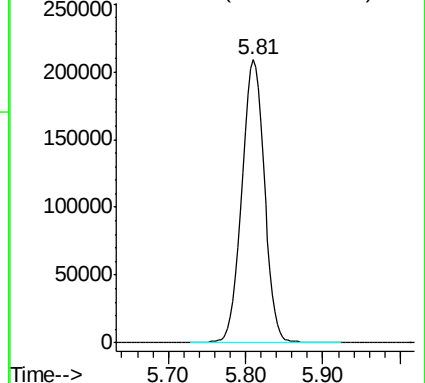
Lab File: VU037353.D

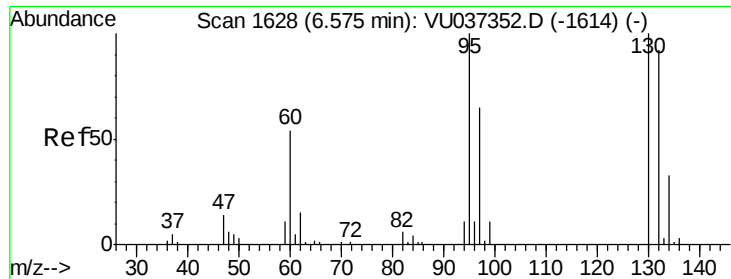
Acq: 20 Mar 2020 18:06

Tgt Ion: 78 Resp: 423721



Abundance Ion 78.10 (77.80 to 78.80): VU0

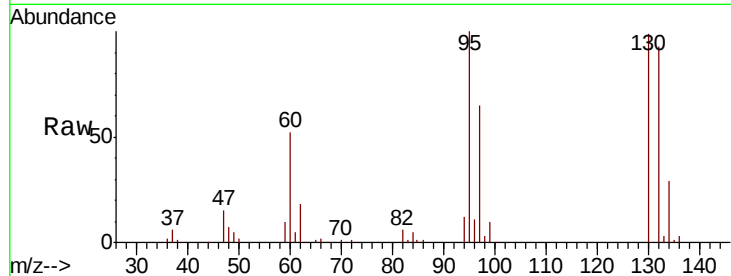




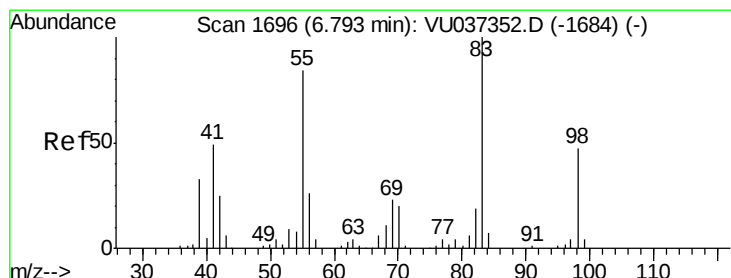
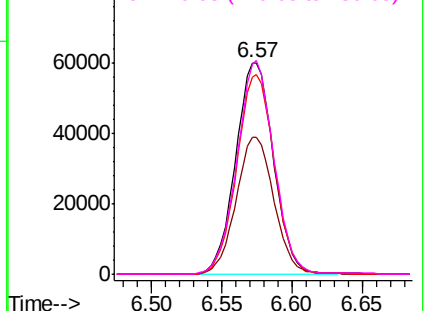
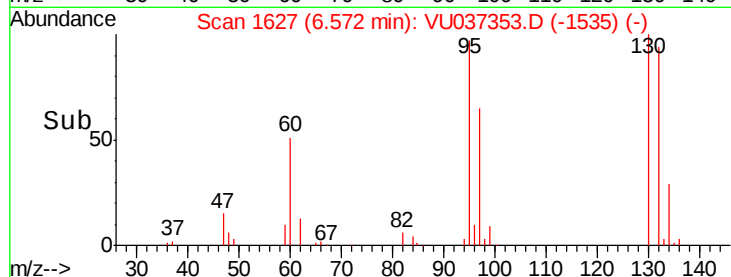
#34
 Trichloroethene
 Concen: 9.264 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU037353.D
 Acq: 20 Mar 2020 18:06

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 113030
 Ion Ratio Lower Upper
 95 100
 97 64.8 45.5 84.5
 132 92.9 64.7 120.1
 130 99.0 69.7 129.5

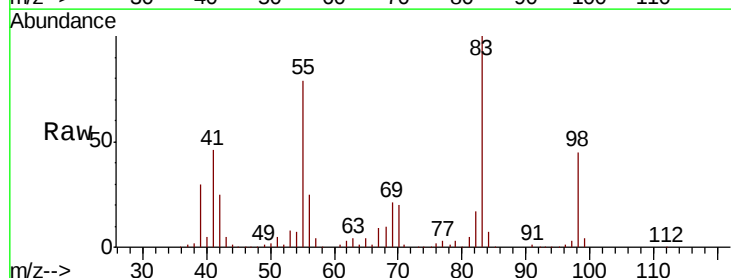


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

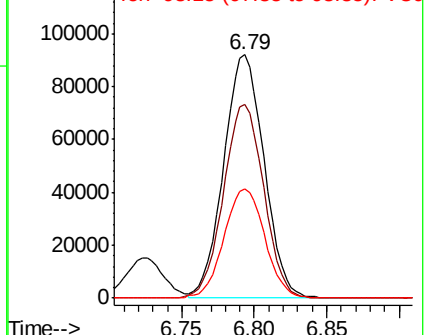
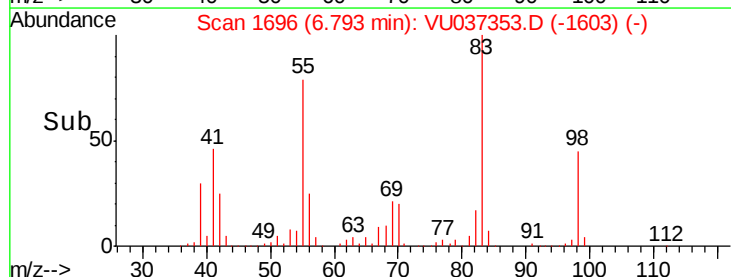


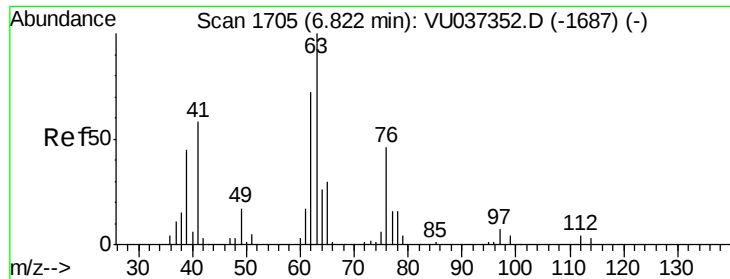
#35
 Methylcyclohexane
 Concen: 9.733 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU037353.D
 Acq: 20 Mar 2020 18:06

Tgt Ion: 83 Resp: 178639
 Ion Ratio Lower Upper
 83 100
 55 79.1 65.9 98.9
 98 45.3 37.6 56.4



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

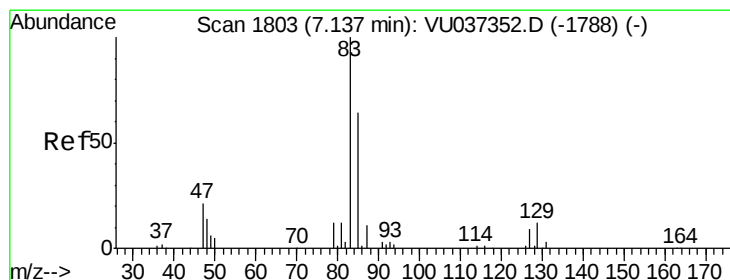
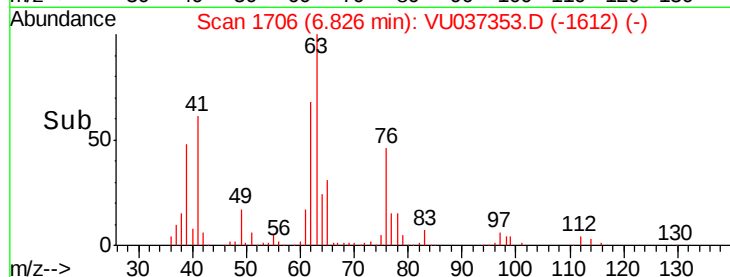
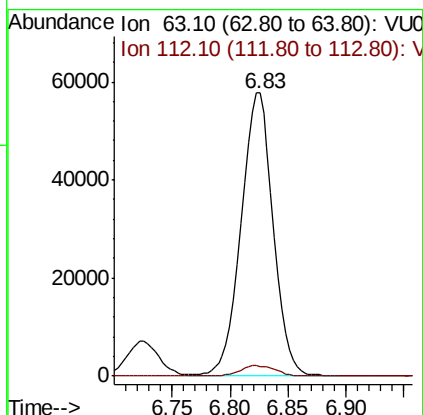
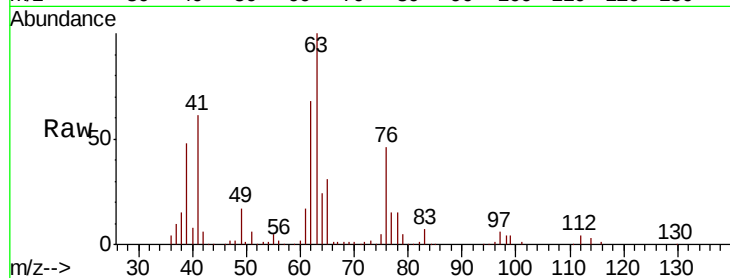




#37
 1,2-Dichloropropane
 Concen: 9.379 ug/L
 RT: 6.83 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: VU037353.D
 Acq: 20 Mar 2020 18:06

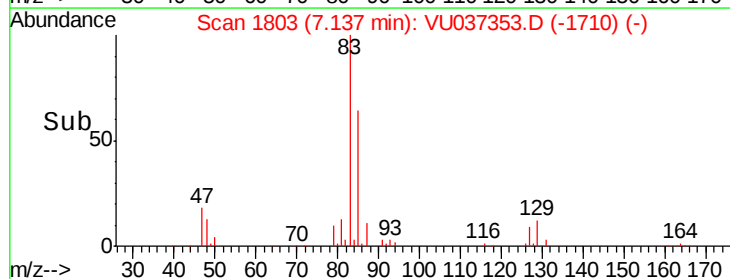
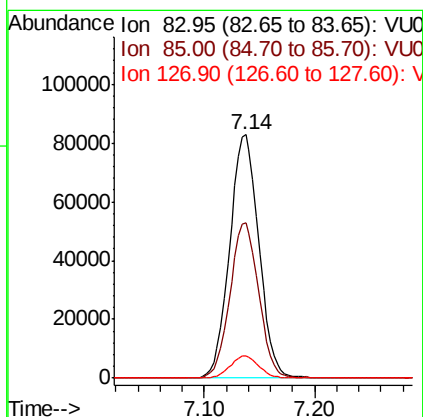
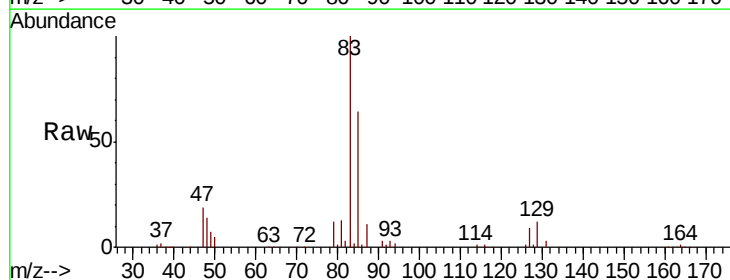
Instrument :
 MSVOA_U
 ClientSampleId :

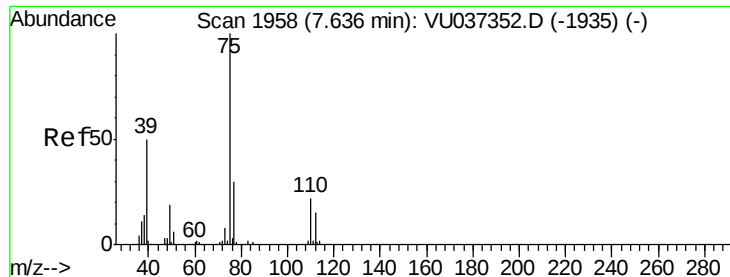
Tot Ion: 63 Resp: 110811
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.0 4.6



#38
 Bromodichloromethane
 Concen: 9.179 ug/L
 RT: 7.14 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VU037353.D
 Acq: 20 Mar 2020 18:06

Tgt Ion: 83 Resp: 152282
 Ion Ratio Lower Upper
 83 100
 85 63.8 44.7 82.9
 127 9.3 7.0 10.6



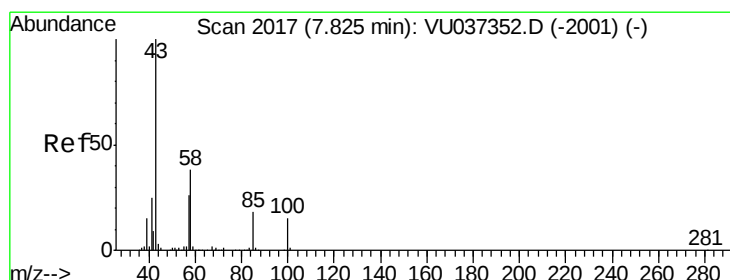
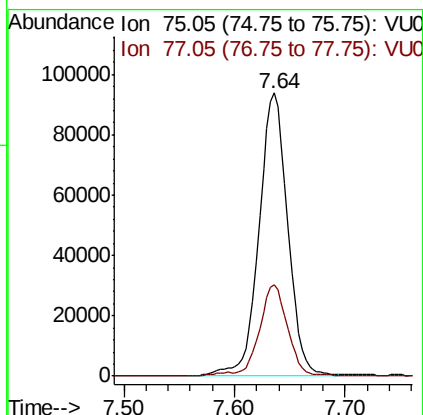
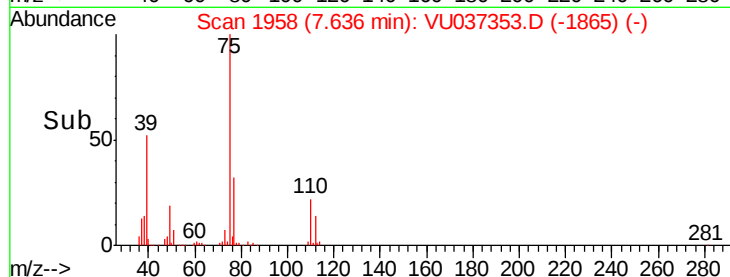
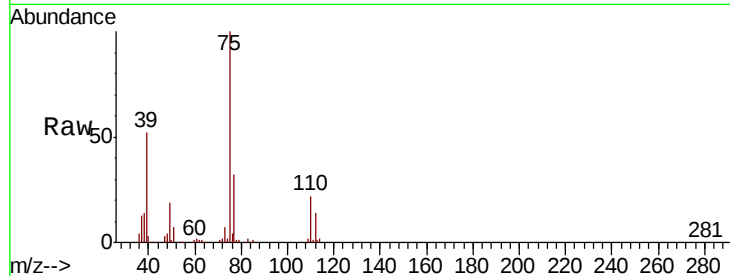


#39

cis-1,3-Dichloropropene
 Concen: 9.553 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU037353.D
 Acq: 20 Mar 2020 18:06

Instrument :
 MSVOA_U
 ClientSampleId :

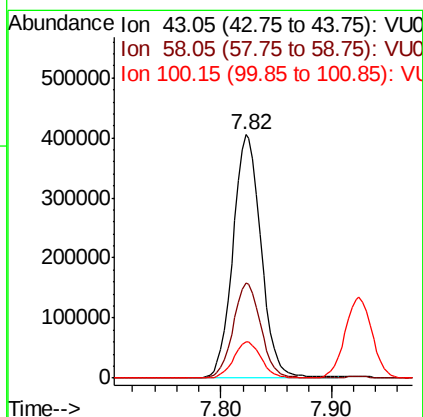
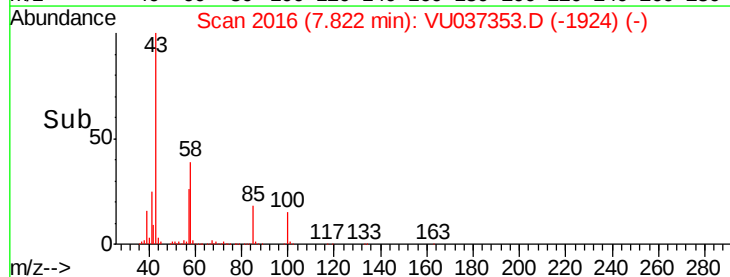
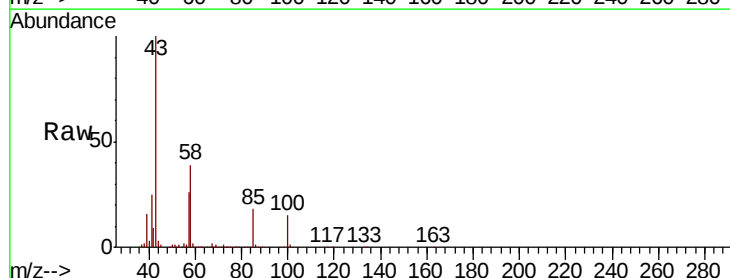
Tot Ion: 75 Resp: 169816
 Ion Ratio Lower Upper
 75 100
 77 32.2 21.2 39.4

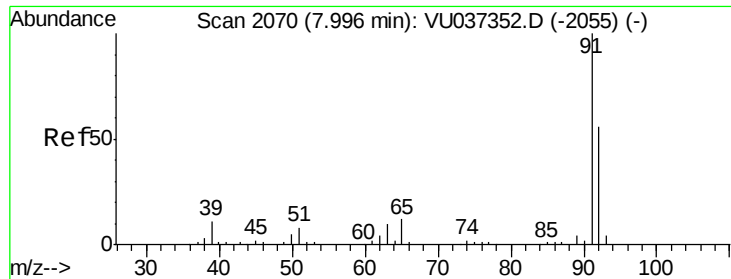


#40

4-Methyl-2-pentanone
 Concen: 91.769 ug/L
 RT: 7.82 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VU037353.D
 Acq: 20 Mar 2020 18:06

Tgt Ion: 43 Resp: 716544
 Ion Ratio Lower Upper
 43 100
 58 38.4 30.1 45.1
 100 14.7 11.8 17.6





#42

Toluene

Concen: 9.670 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037353.D

Acq: 20 Mar 2020 18:06

Instrument :

MSVOA_U

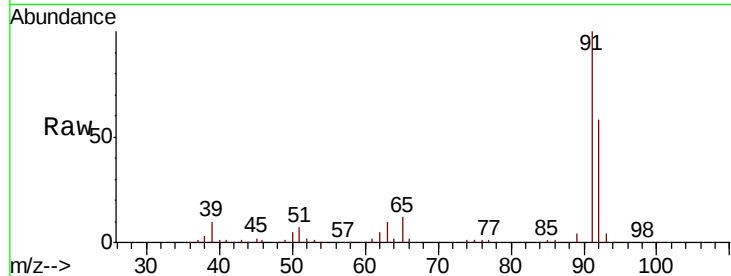
ClientSampled :

Tot Ion: 91 Resp: 467392

Ion Ratio Lower Upper

91 100

92 58.4 39.0 72.4



Abundance Ion 91.15 (90.85 to 91.85): VU037353.D (-1977) (-)

Ion 92.15 (91.85 to 92.85): VU037353.D (-1977) (-)

8.00

300000

250000

200000

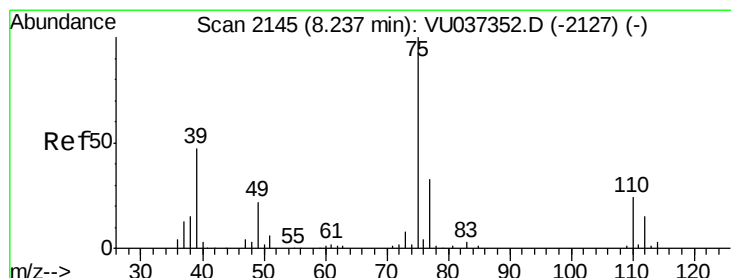
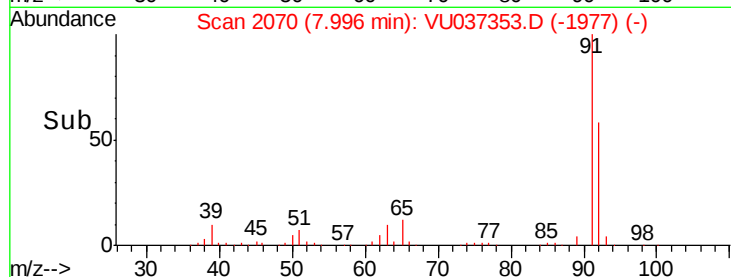
150000

100000

50000

0

Time--> 7.90 7.95 8.00 8.05



#44

trans-1,3-Dichloropropene

Concen: 10.245 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. 0.00 min

Lab File: VU037353.D

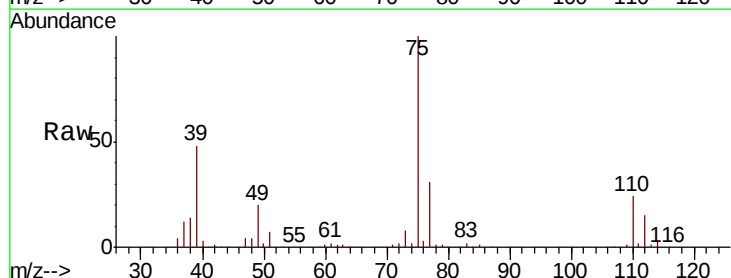
Acq: 20 Mar 2020 18:06

Tgt Ion: 75 Resp: 155099

Ion Ratio Lower Upper

75 100

77 30.5 23.0 42.6



Abundance Ion 75.05 (74.75 to 75.75): VU037353.D (-2052) (-)

Ion 77.05 (76.75 to 77.75): VU037353.D (-2052) (-)

8.24

100000

80000

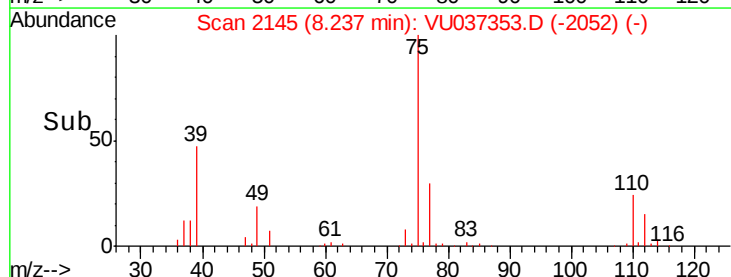
60000

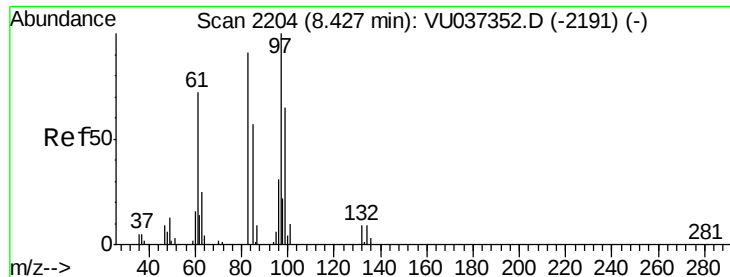
40000

20000

0

Time--> 8.10 8.20 8.30

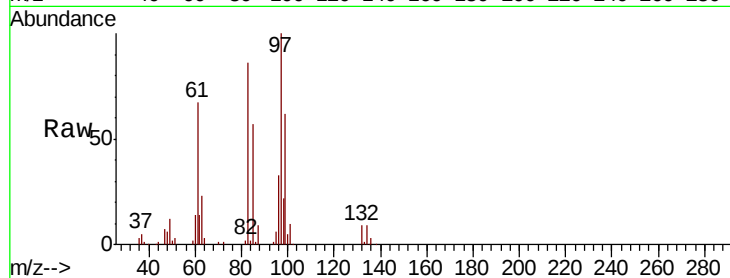




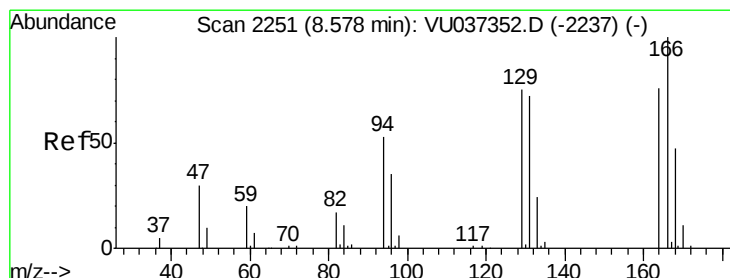
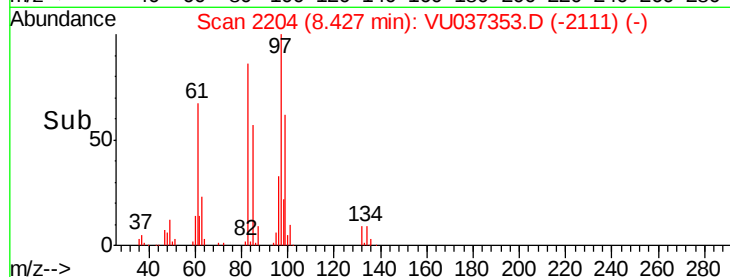
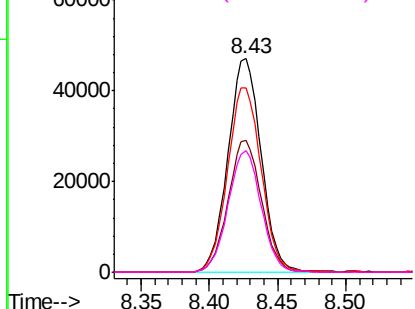
#45
 1,1,2-Trichloroethane
 Concen: 9.390 ug/L
 RT: 8.43 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VU037353.D
 Acq: 20 Mar 2020 18:06

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	79768
Ion	Ratio	Lower	Upper
97	100		
99	62.0	45.8	85.0
83	86.2	63.4	117.8
85	57.0	40.1	74.5

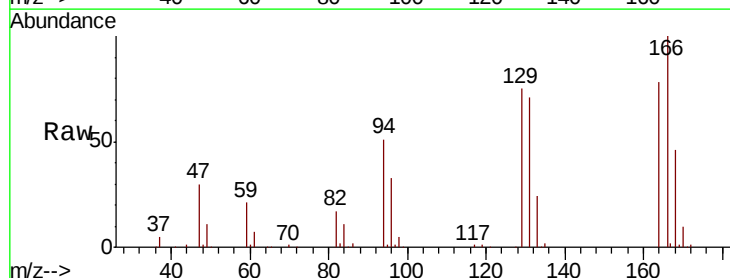


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

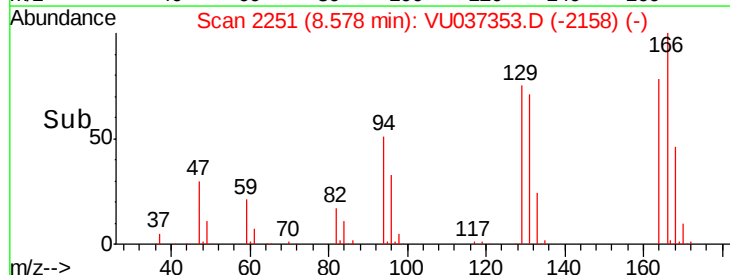
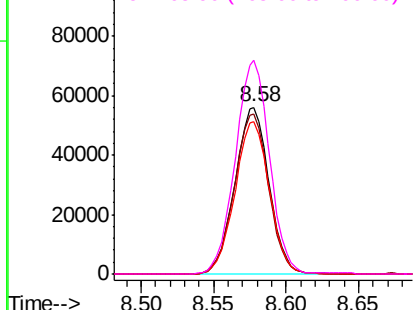


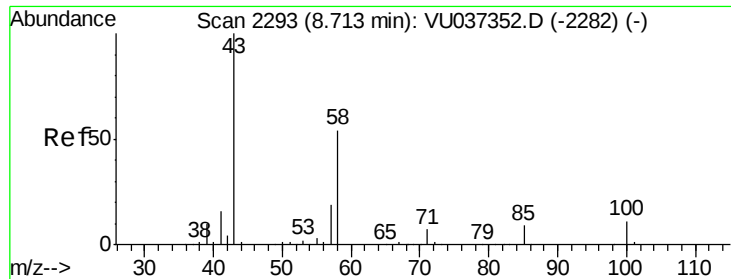
#47
 Tetrachloroethene
 Concen: 9.616 ug/L
 RT: 8.58 min Scan# 2251
 Delta R.T. 0.00 min
 Lab File: VU037353.D
 Acq: 20 Mar 2020 18:06

Tgt Ion:	164	Resp:	91332
Ion	Ratio	Lower	Upper
164	100		
129	95.5	69.9	129.7
131	91.1	67.1	124.7
166	127.9	92.7	172.1



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

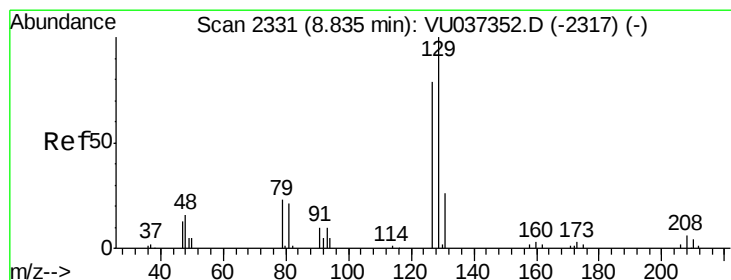
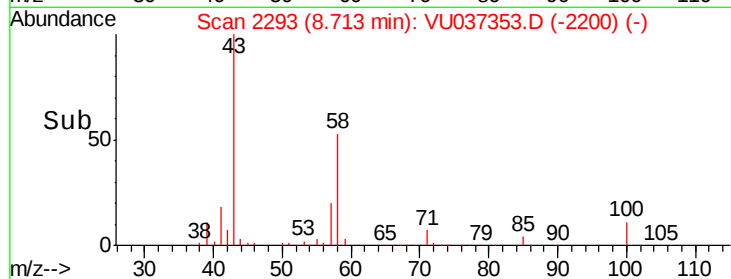
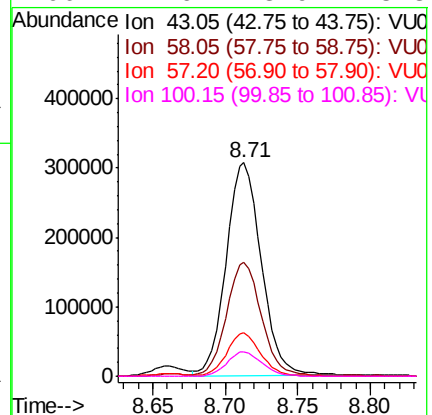
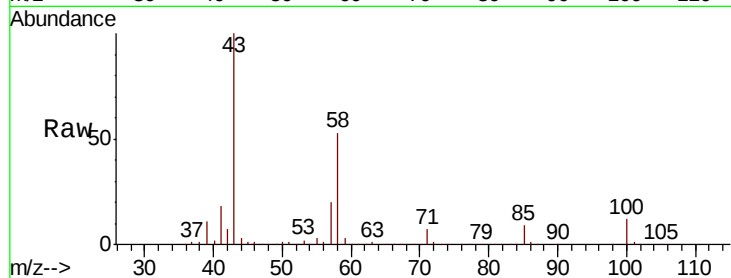




#48
2-Hexanone
Concen: 89.161 ug/L
RT: 8.71 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VU037353.D
Acq: 20 Mar 2020 18:06

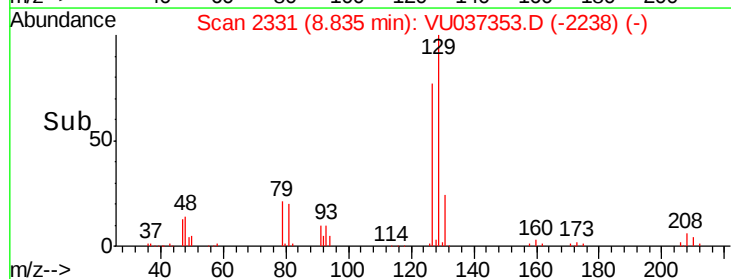
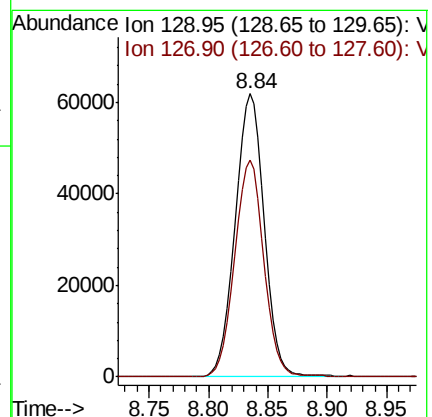
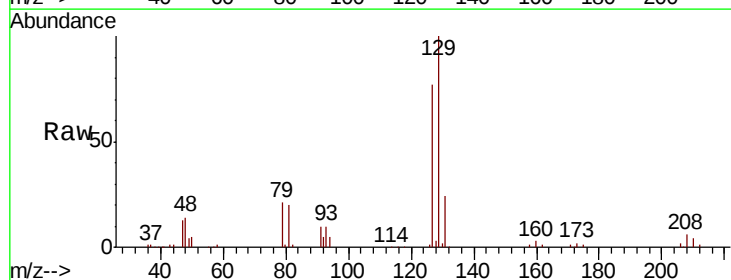
Instrument :
MSVOA_U
ClientSampled :

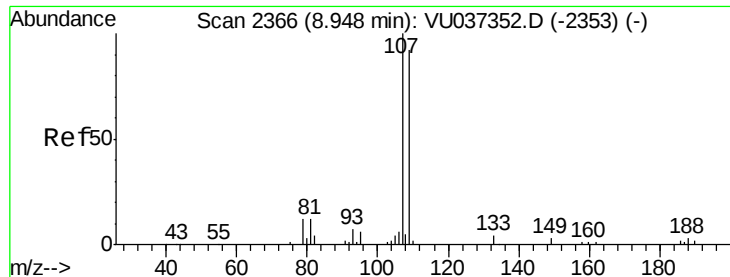
Tot Ion: 43 Resp: 513377
Ion Ratio Lower Upper
43 100
58 53.4 42.5 63.7
57 19.8 15.2 22.8
100 11.6 8.9 13.3



#49
Dibromochloromethane
Concen: 9.491 ug/L
RT: 8.84 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU037353.D
Acq: 20 Mar 2020 18:06

Tgt Ion: 129 Resp: 104795
Ion Ratio Lower Upper
129 100
127 76.7 55.1 102.3

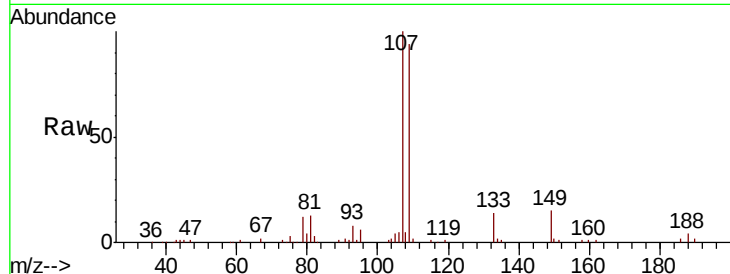




#50
 1,2-Dibromoethane
 Concen: 9.433 ug/L
 RT: 8.95 min Scan# 2366
 Delta R.T. 0.00 min
 Lab File: VU037353.D
 Acq: 20 Mar 2020 18:06

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	64.1	119.1
188	4.1	2.4	3.6#

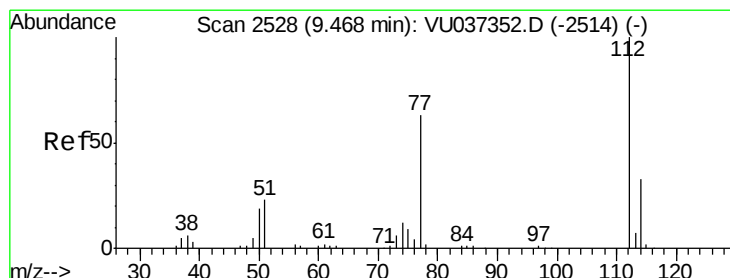
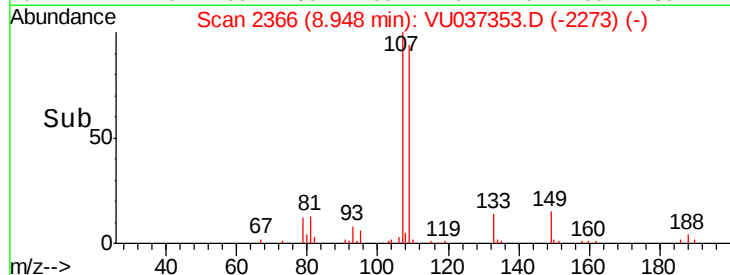
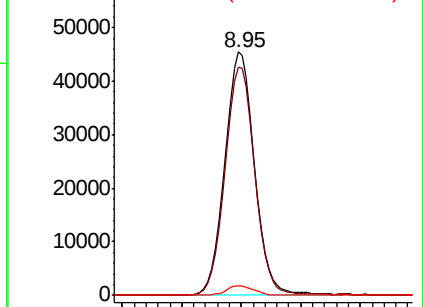


Abundance

Ion 106.95 (106.65 to 107.65): V

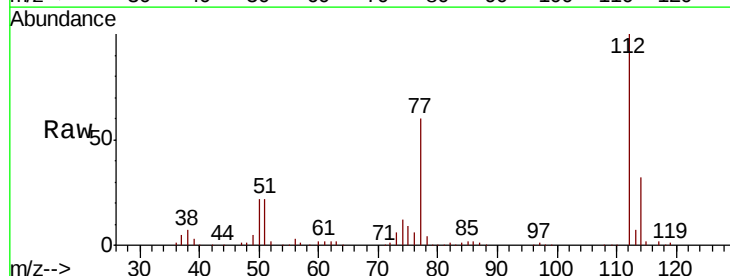
Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51
 Chlorobenzene
 Concen: 9.452 ug/L
 RT: 9.47 min Scan# 2528
 Delta R.T. 0.00 min
 Lab File: VU037353.D
 Acq: 20 Mar 2020 18:06

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.9	42.5
77	60.1	50.8	76.2

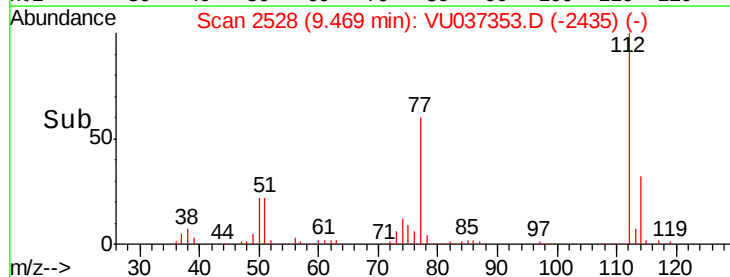
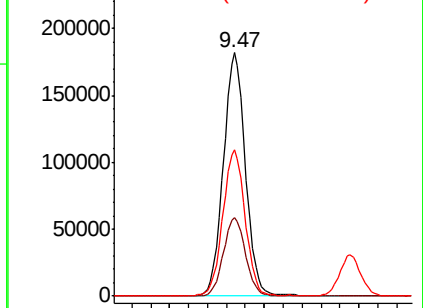


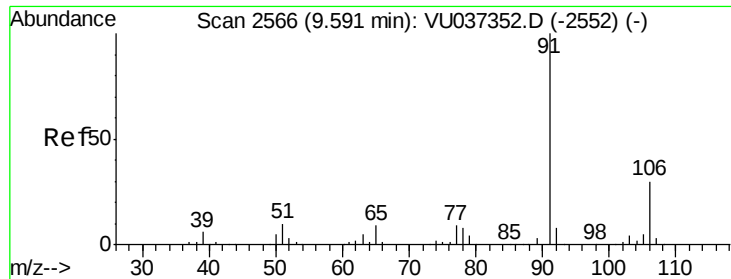
Abundance

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): VU0





#52

Ethylbenzene

Concen: 9.599 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU037353.D

Acq: 20 Mar 2020 18:06

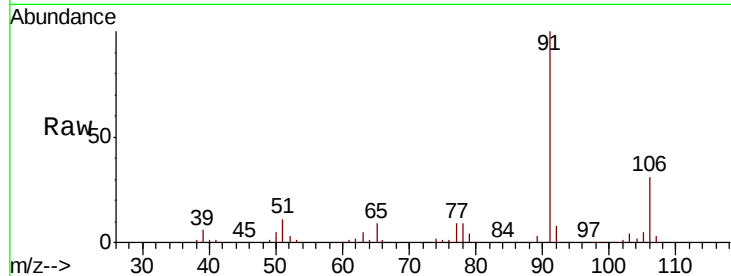
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 524486

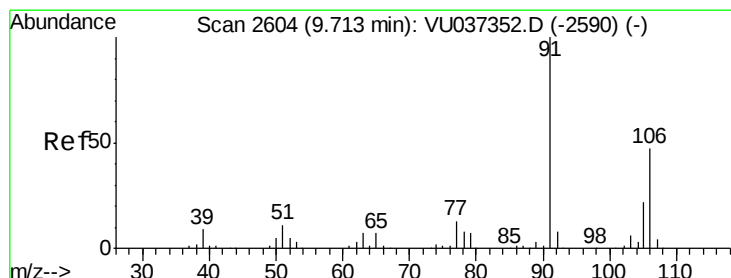
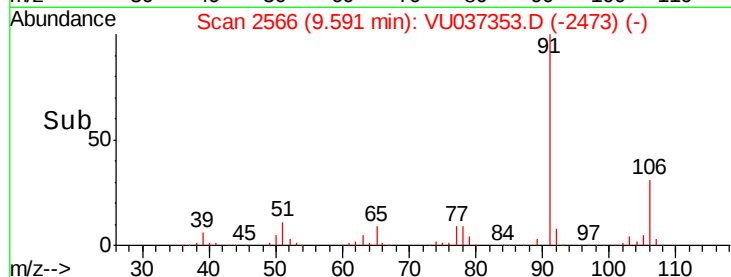
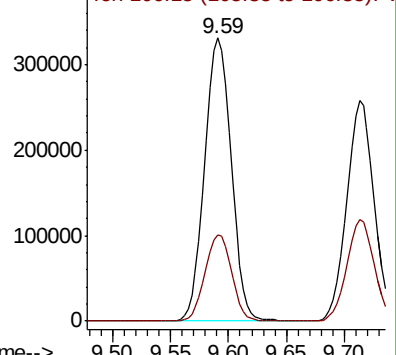
Ion Ratio Lower Upper

91 100

106 30.6 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU037353.D (-2552) (-)



#53

m,p-Xylene

Concen: 9.822 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU037353.D

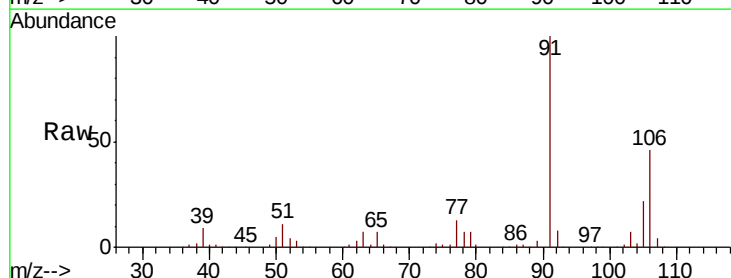
Acq: 20 Mar 2020 18:06

Tgt Ion: 106 Resp: 197923

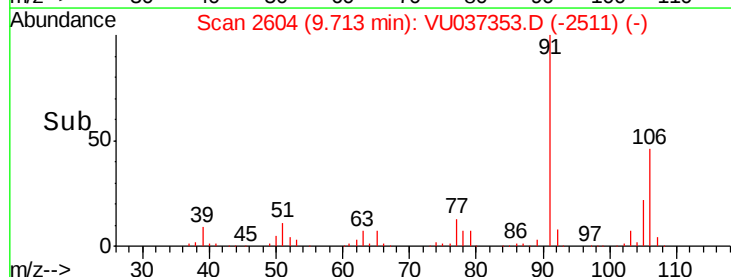
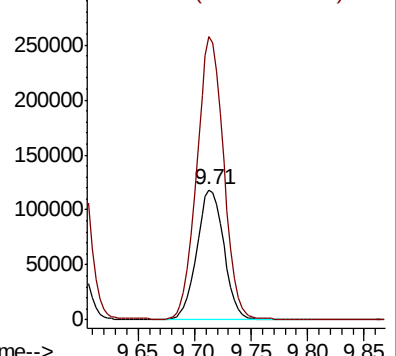
Ion Ratio Lower Upper

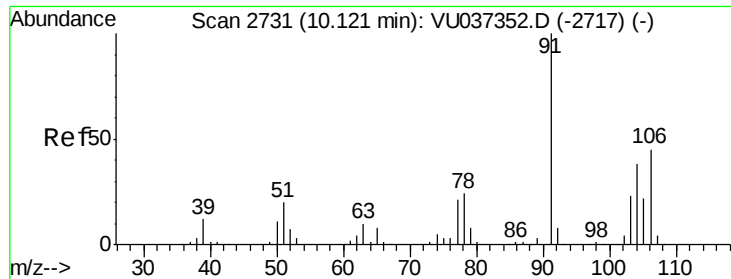
106 100

91 217.3 151.1 280.7



Abundance Ion 106.15 (105.85 to 106.85): VU037353.D (-2590) (-)

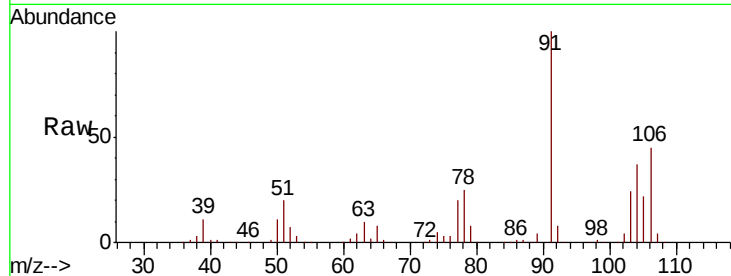




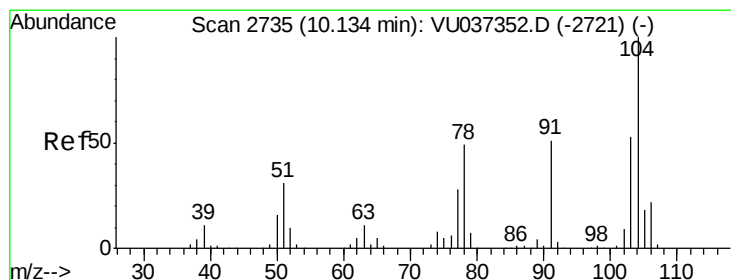
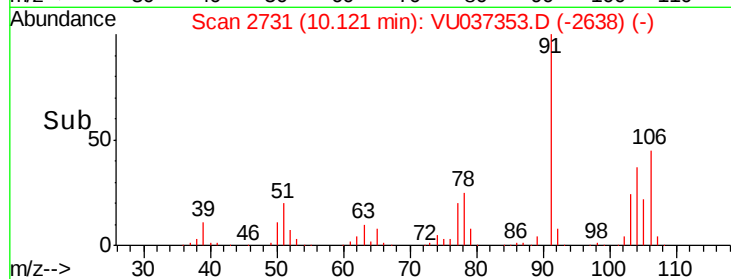
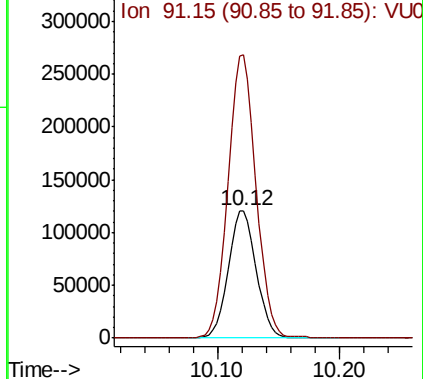
#54
o-Xylene
Concen: 10.042 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. 0.00 min
Lab File: VU037353.D
Acq: 20 Mar 2020 18:06

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 192369
Ion Ratio Lower Upper
106 100
91 221.9 155.0 287.8

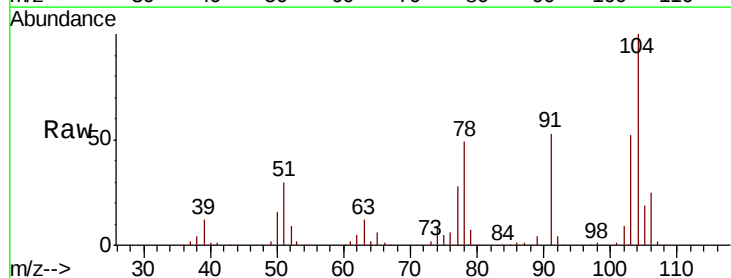


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

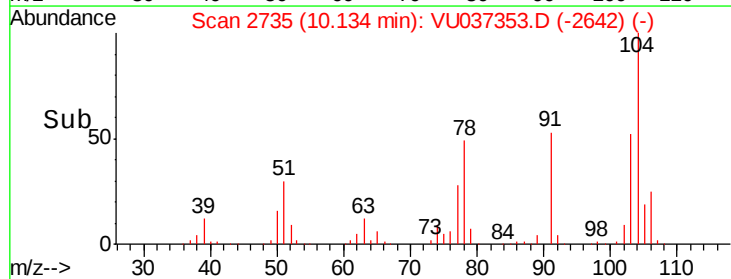
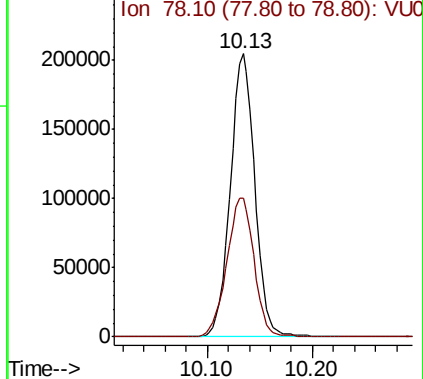


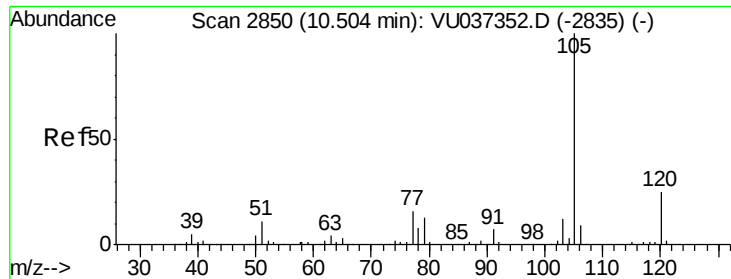
#55
Styrene
Concen: 10.110 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VU037353.D
Acq: 20 Mar 2020 18:06

Tgt Ion:104 Resp: 328090
Ion Ratio Lower Upper
104 100
78 48.9 34.6 64.2



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





#56

Isopropylbenzene

Concen: 9.823 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VU037353.D

Acq: 20 Mar 2020 18:06

Instrument :

MSVOA_U

ClientSampleId :

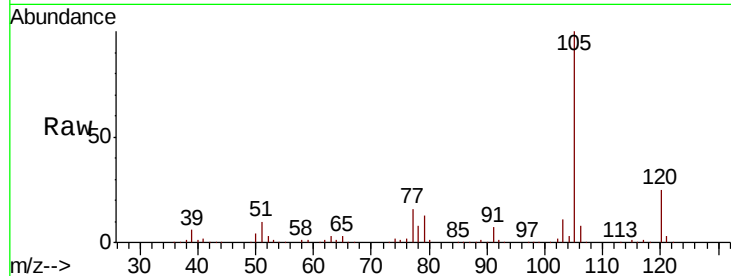
Tot Ion:105 Resp: 527019

Ion Ratio Lower Upper

105 100

120 25.5 20.2 30.2

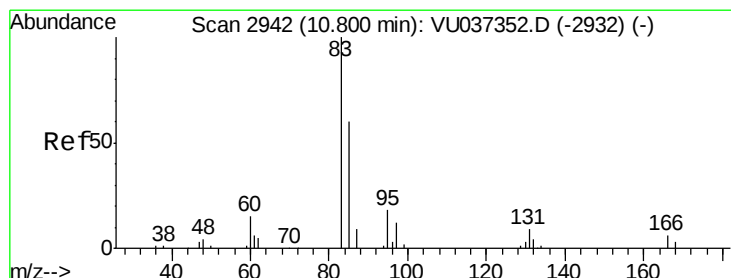
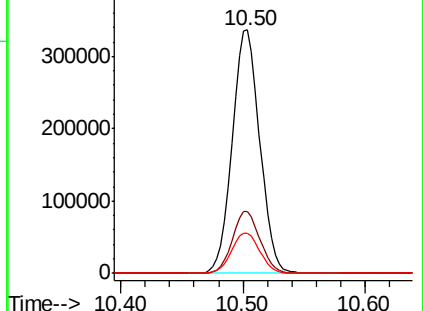
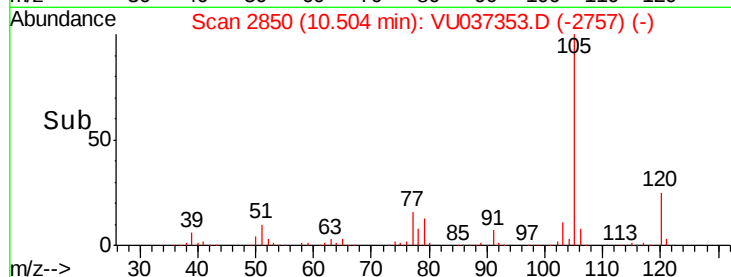
77 16.9 13.4 20.0



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: 8.949 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU037353.D

Acq: 20 Mar 2020 18:06

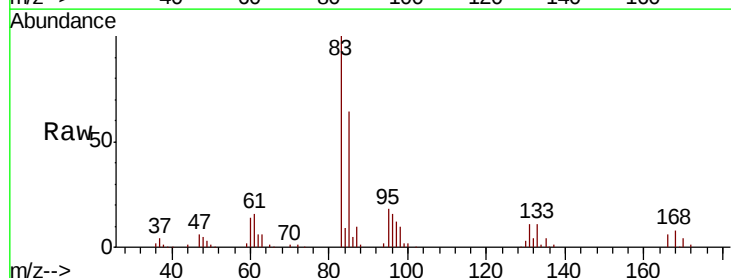
Tgt Ion: 83 Resp: 99886

Ion Ratio Lower Upper

83 100

85 64.1 43.1 80.1

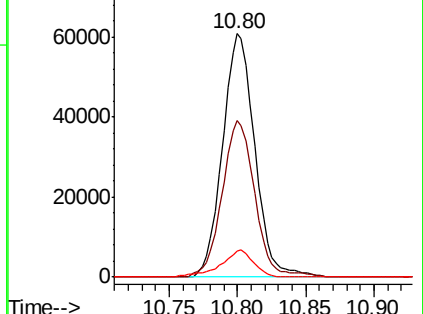
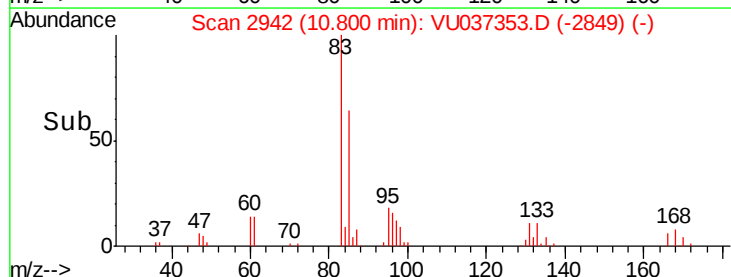
131 10.7 8.3 12.5

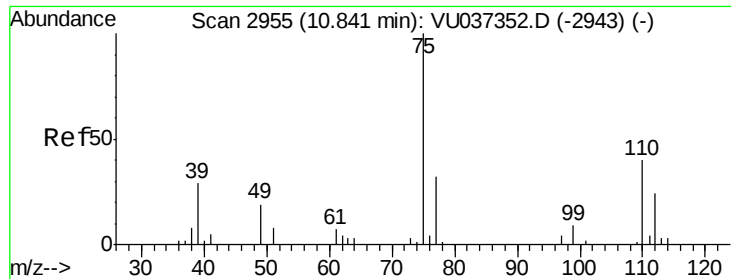


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 9.004 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU037353.D

Acq: 20 Mar 2020 18:06

Instrument :

MSVOA_U

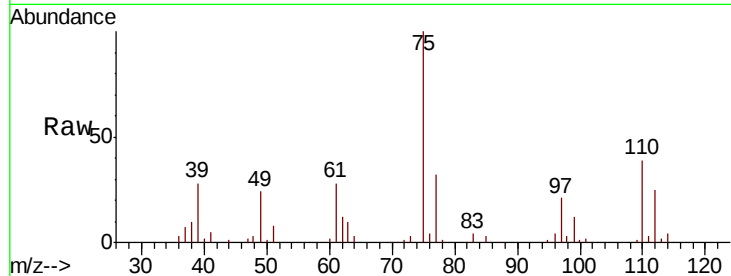
ClientSampleId :

Tot Ion: 75 Resp: 74675

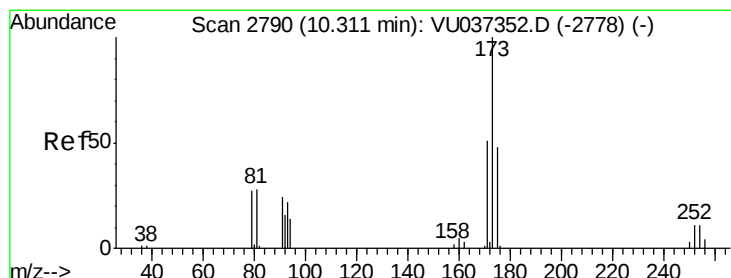
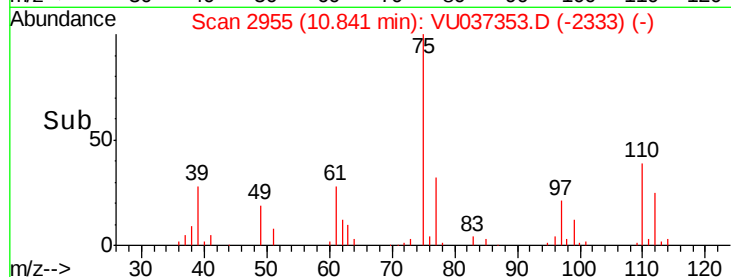
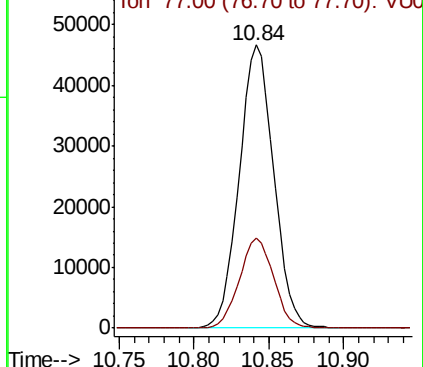
Ion Ratio Lower Upper

75 100

77 31.7 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VU037352.D (-2943) (-)



#61

Bromoform

Concen: 9.051 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU037353.D

Acq: 20 Mar 2020 18:06

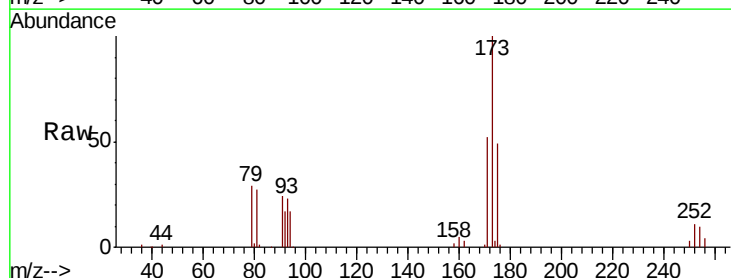
Tgt Ion: 173 Resp: 62950

Ion Ratio Lower Upper

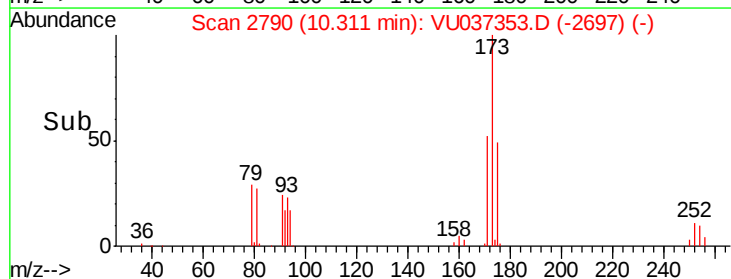
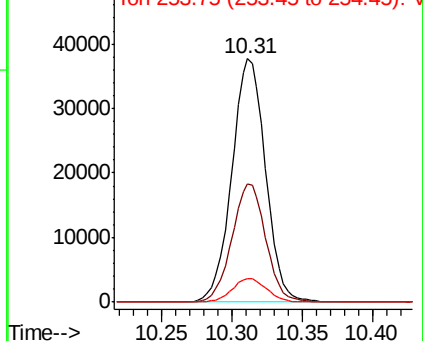
173 100

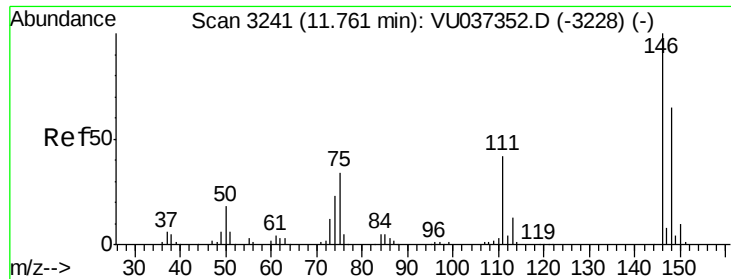
175 48.4 37.8 56.6

254 9.9 8.4 12.6



Abundance Ion 172.90 (172.60 to 173.60): VU037352.D (-2778) (-)

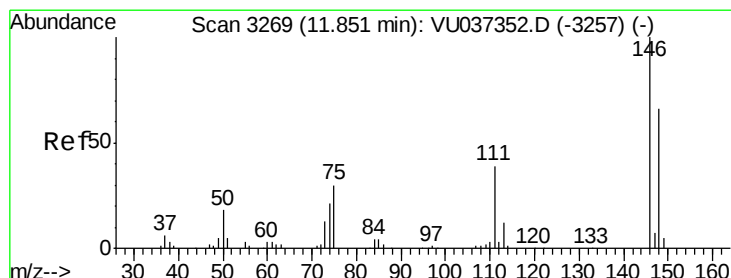
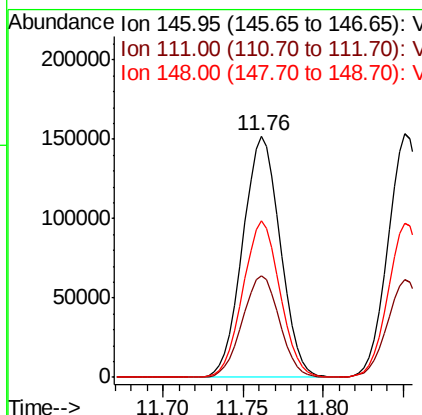
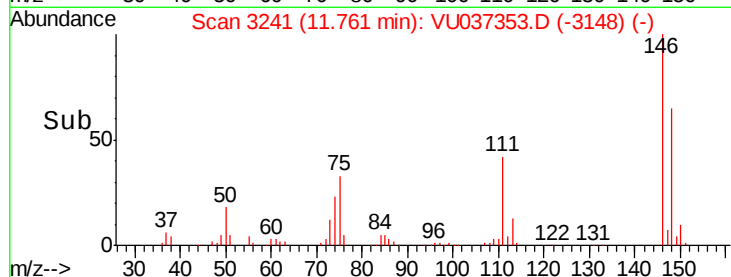
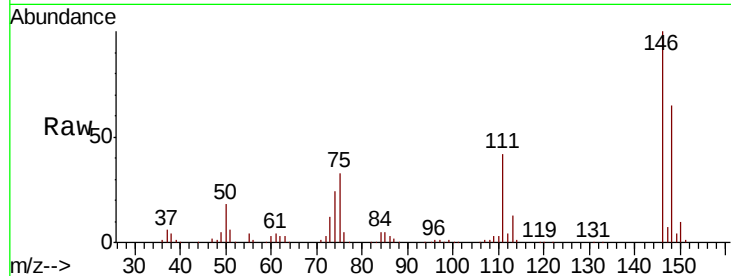




#62
 1,3-Dichlorobenzene
 Concen: 9.234 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. 0.00 min
 Lab File: VU037353.D
 Acq: 20 Mar 2020 18:06

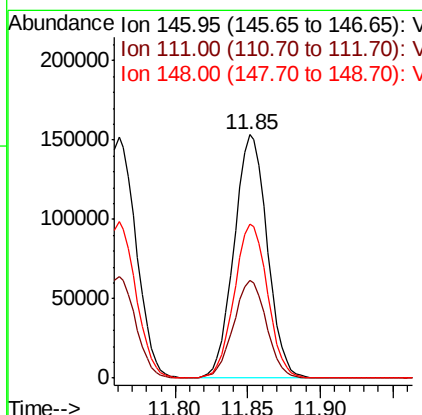
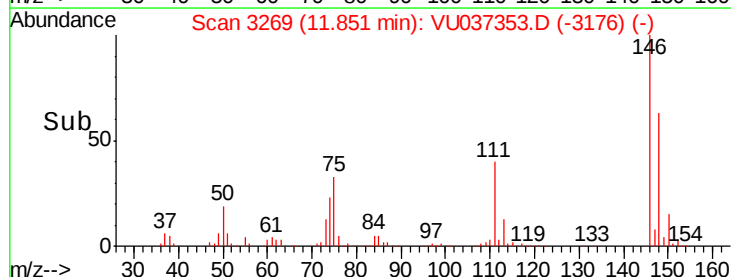
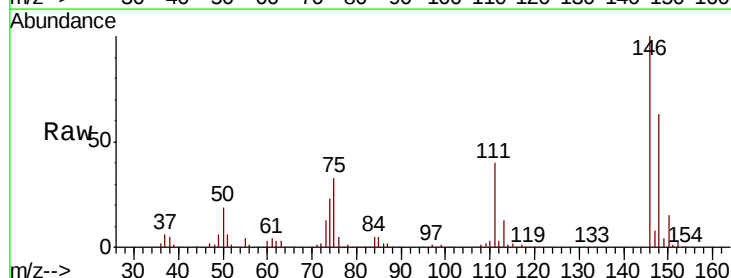
Instrument :
 MSVOA_U
 ClientSampleId :

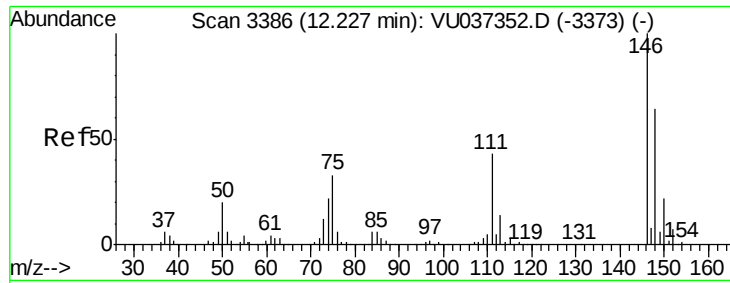
Tot Ion:146 Resp: 243695
 Ion Ratio Lower Upper
 146 100
 111 42.4 29.2 54.2
 148 64.7 45.4 84.4



#63
 1,4-Dichlorobenzene
 Concen: 9.233 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU037353.D
 Acq: 20 Mar 2020 18:06

Tgt Ion:146 Resp: 243475
 Ion Ratio Lower Upper
 146 100
 111 40.3 27.4 51.0
 148 63.5 46.3 85.9

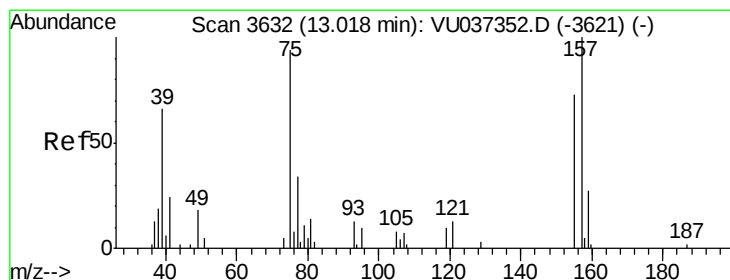
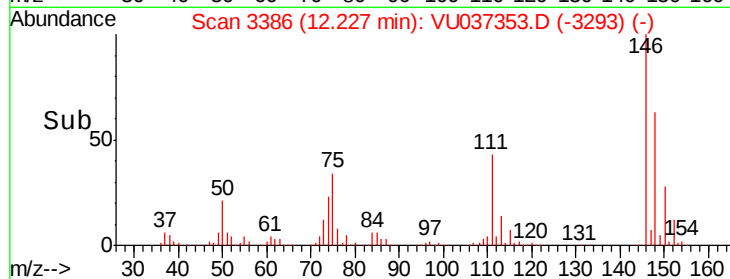
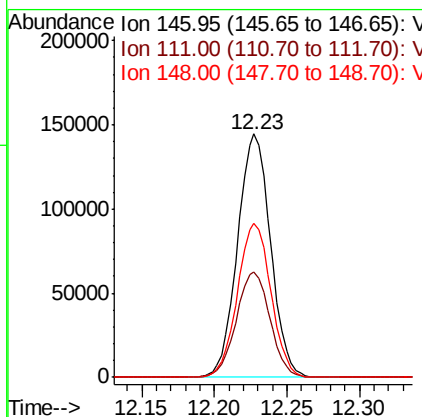
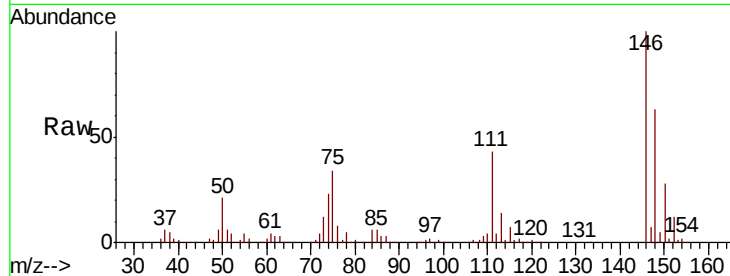




#65
 1,2-Dichlorobenzene
 Concen: 8.906 ug/L
 RT: 12.23 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU037353.D
 Acq: 20 Mar 2020 18:06

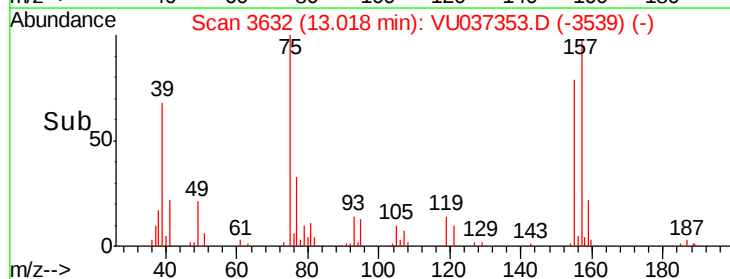
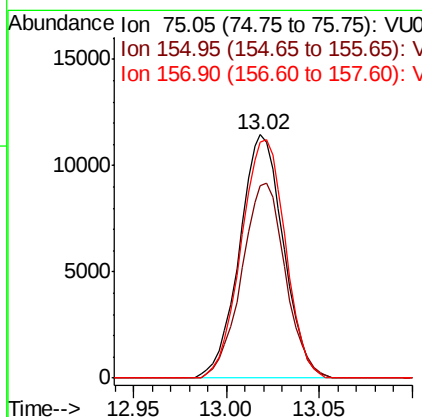
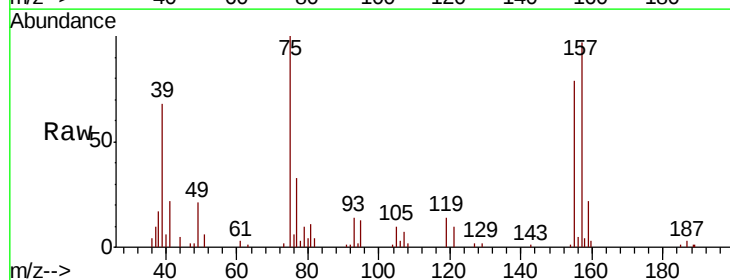
Instrument :
 MSVOA_U
 ClientSampleId :

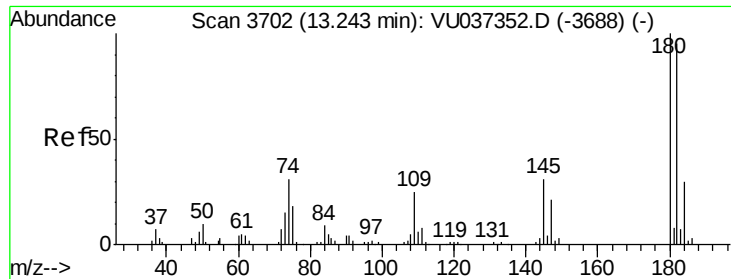
Tot Ion:146 Resp: 228550
 Ion Ratio Lower Upper
 146 100
 111 43.4 34.7 52.1
 148 63.3 51.1 76.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 9.430 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. 0.00 min
 Lab File: VU037353.D
 Acq: 20 Mar 2020 18:06

Tgt Ion: 75 Resp: 18866
 Ion Ratio Lower Upper
 75 100
 155 78.8 62.2 93.4
 157 96.7 85.4 128.2

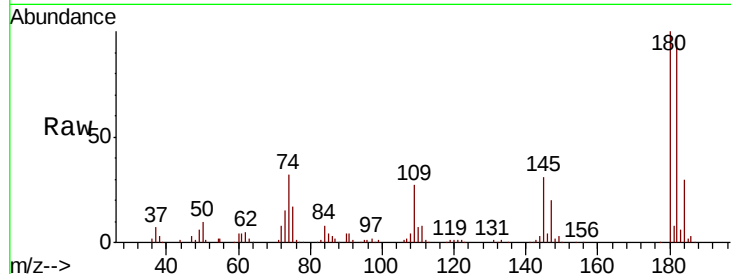




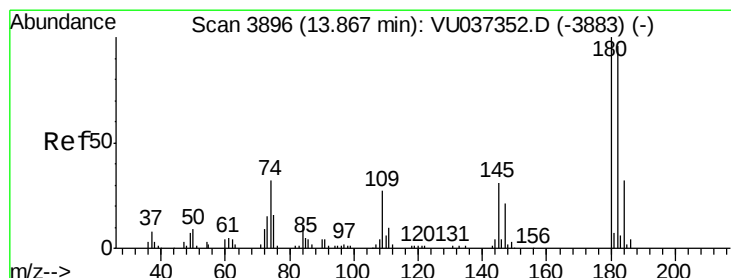
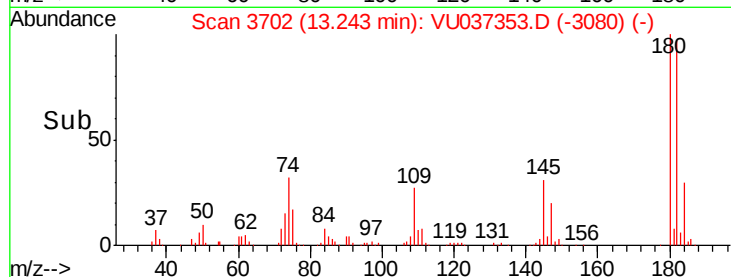
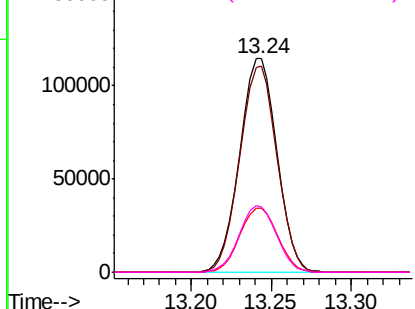
#67
 1,3,5-Trichlorobenzene
 Concen: 9.047 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. 0.00 min
 Lab File: VU037353.D
 Acq: 20 Mar 2020 18:06

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 181711
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.4 114.6
 184 30.7 24.6 37.0
 145 31.1 25.0 37.6

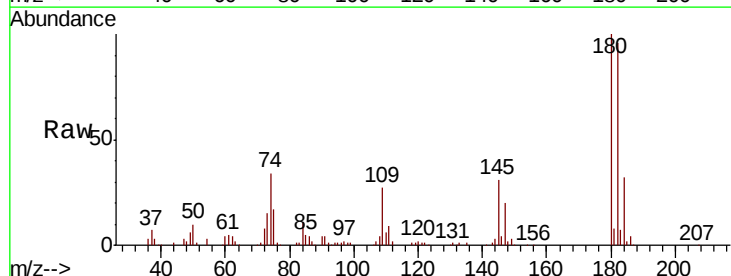


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

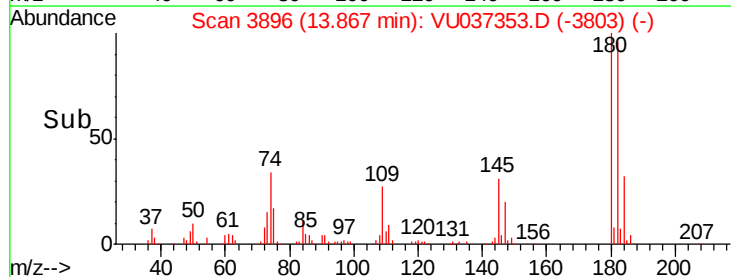
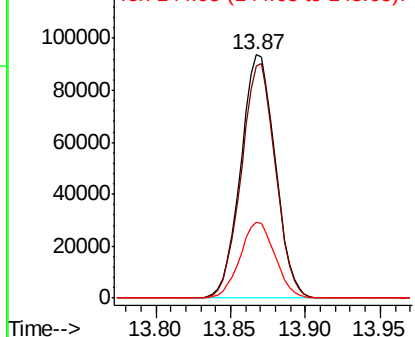


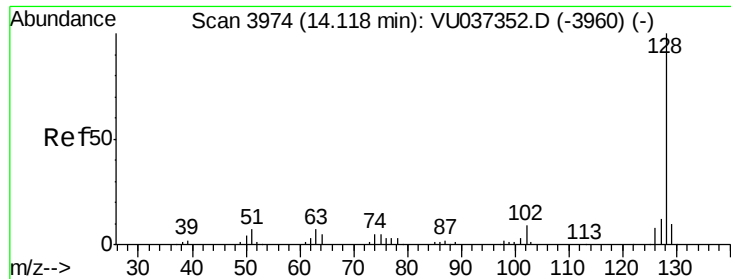
#68
 1,2,4-trichlorobenzene
 Concen: 10.669 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU037353.D
 Acq: 20 Mar 2020 18:06

Tgt Ion:180 Resp: 150500
 Ion Ratio Lower Upper
 180 100
 182 95.3 77.4 116.2
 145 31.5 25.3 37.9



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





#69

Naphthalene

Concen: 11.476 ug/L

RT: 14.12 min Scan# 3974

Delta R.T. 0.00 min

Lab File: VU037353.D

Acq: 20 Mar 2020 18:06

Instrument :

MSVOA_U

ClientSampleId :

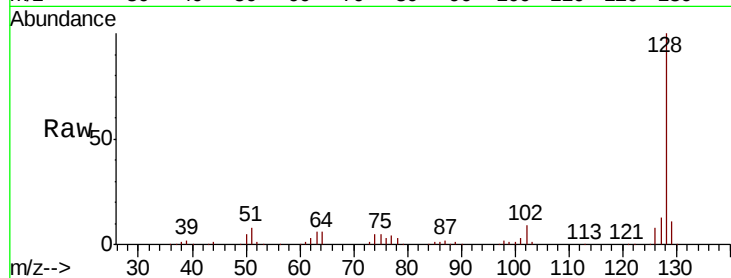
Tot Ion:128 Resp: 232320

Ion Ratio Lower Upper

128 100

129 11.1 8.6 12.8

127 13.3 10.5 15.7

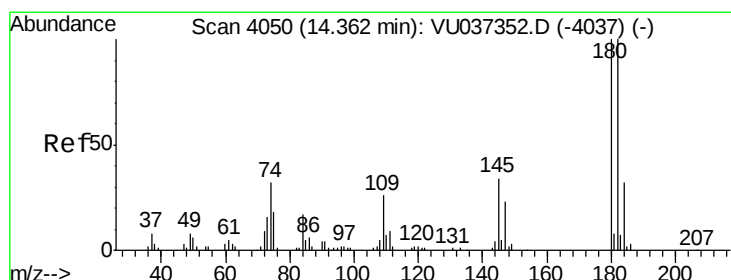
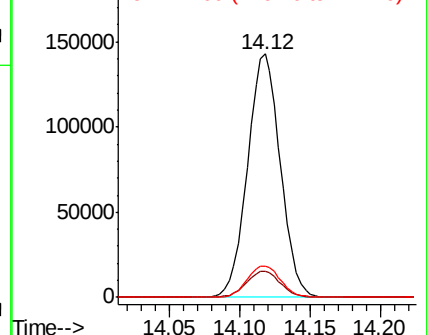
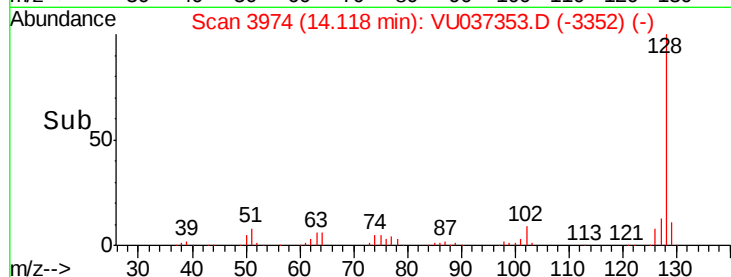


Abundance

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: 10.366 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. 0.00 min

Lab File: VU037353.D

Acq: 20 Mar 2020 18:06

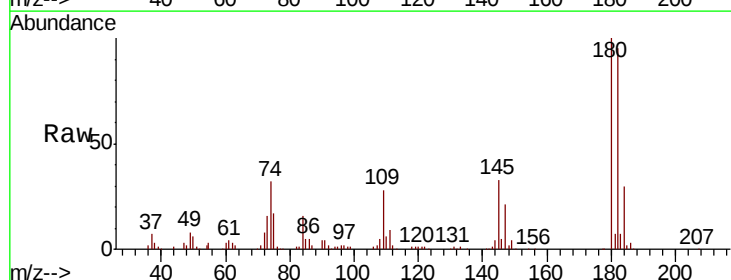
Tgt Ion:180 Resp: 141400

Ion Ratio Lower Upper

180 100

182 95.0 79.6 119.4

145 33.7 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

