

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032020\
 Data File : VU037354.D
 Acq On : 20 Mar 2020 18:31
 Operator : JC/MD
 Sample : VSTD02005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 21 00:06:31 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	150499	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	150453	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	81768	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	198827	23.76	ug/L	0.00
7) Chloroethane-d5	1.92	69	162362	22.39	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	374637	21.33	ug/L	0.00
20) 2-Butanone-d5	4.67	46	477436	202.52	ug/L	-0.02
24) Chloroform-d	5.10	84	391940	21.10	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	219620	20.31	ug/L	0.00
32) Benzene-d6	5.76	84	714505	21.77	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	219811	20.61	ug/L	0.00
41) Toluene-d8	7.92	98	719782	22.42	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	107477	22.45	ug/L	0.00
46) 2-Hexanone-d5	8.66	63	436716	212.82	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	195438	21.75	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	279402	20.33	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	325779	19.113	ug/L 100
3) Chloromethane	1.54	50	320865	18.770	ug/L 99
5) Vinyl chloride	1.62	62	295532	19.427	ug/L 99
6) Bromomethane	1.85	94	127804	17.343	ug/L 98
8) Chloroethane	1.94	64	161542	18.385	ug/L 98
9) Trichlorofluoromethane	2.15	101	433395	18.882	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	202959	19.115	ug/L 99
12) 1,1-Dichloroethene	2.60	96	187355	19.464	ug/L 95
13) Acetone	2.66	43	330502	172.249	ug/L 93
14) Carbon disulfide	2.82	76	649487	20.599	ug/L 98
15) Methyl Acetate	2.98	43	85299	19.072	ug/L 96
16) Methylene chloride	3.07	84	203991	17.726	ug/L 94
17) Methyl tert-butyl Ether	3.40	73	514527	18.941	ug/L 99
18) trans-1,2-Dichloroethene	3.38	96	199997	19.150	ug/L 98
19) 1,1-Dichloroethane	3.91	63	379670	18.361	ug/L 98
21) 2-Butanone	4.75	43	572145	185.187	ug/L 99
22) cis-1,2-Dichloroethene	4.71	96	219861	19.226	ug/L 99
23) Bromochloromethane	5.01	128	100766	19.483	ug/L 95
25) Chloroform	5.13	83	409968	18.152	ug/L 96
27) 1,2-Dichloroethane	5.83	62	288182	18.268	ug/L 100
29) 1,1,1-Trichloroethane	5.35	97	392958	19.320	ug/L 99
30) Cyclohexane	5.42	56	360333	19.866	ug/L 99
31) Carbon tetrachloride	5.56	117	356018	19.868	ug/L 99
33) Benzene	5.81	78	848274	19.006	ug/L 100
34) Trichloroethene	6.57	95	229888	18.916	ug/L 99
35) Methylcyclohexane	6.79	83	373747	20.444	ug/L 97
37) 1,2-Dichloropropane	6.82	63	216181	18.371	ug/L 99
38) Bromodichloromethane	7.13	83	301772	18.262	ug/L 100
39) cis-1,3-Dichloropropene	7.64	75	346292	19.559	ug/L 96
40) 4-Methyl-2-pentanone	7.82	43	1476225	189.813	ug/L 99

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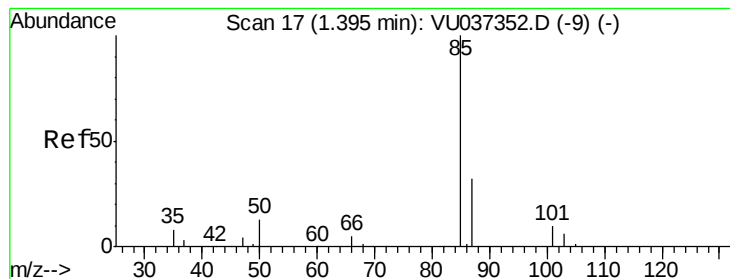
Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 21 00:06:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR032020WMA.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	8.00	91	957158	19.882	ug/L	97
44) trans-1,3-Dichloropropene	8.24	75	316011	20.957	ug/L	97
45) 1,1,2-Trichloroethane	8.43	97	159868	18.894	ug/L	97
47) Tetrachloroethene	8.58	164	185007	19.557	ug/L	97
48) 2-Hexanone	8.71	43	1085496	189.271	ug/L	100
49) Dibromochloromethane	8.83	129	214674	19.520	ug/L	97
50) 1,2-Dibromoethane	8.95	107	156417	18.896	ug/L #	98
51) Chlorobenzene	9.47	112	595408	19.150	ug/L	98
52) Ethylbenzene	9.59	91	1109906	20.395	ug/L	100
53) m,p-Xylene	9.71	106	410873	20.471	ug/L	100
54) o-Xylene	10.12	106	398003	20.860	ug/L	98
55) Styrene	10.13	104	691631	21.397	ug/L	100
56) Isopropylbenzene	10.50	105	1113001	20.828	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	208634	18.767	ug/L	97
59) 1,2,3-Trichloropropane	10.84	75	152780	18.494	ug/L	100
61) Bromoform	10.31	173	131855	18.448	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	508014	18.733	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	507549	18.730	ug/L	97
65) 1,2-Dichlorobenzene	12.23	146	476238	18.059	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	39460	19.195	ug/L	97
67) 1,3,5-Trichlorobenzene	13.24	180	378962	18.361	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	313122	21.600	ug/L	98
69) Naphthalene	14.12	128	499832	24.027	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	283139	20.199	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 19.113 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU037354.D

Acq: 20 Mar 2020 18:31

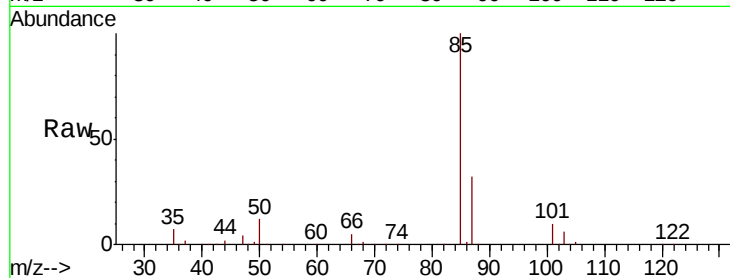
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 325779

Ion Ratio Lower Upper

85 100

87 32.0 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VU037352.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU037352.D (-9) (-)

1.39

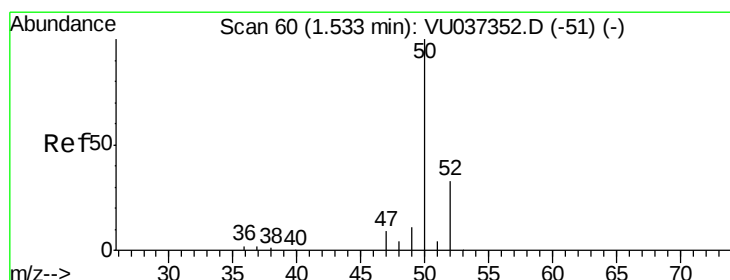
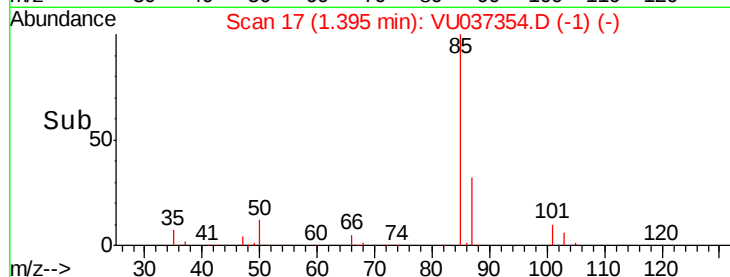
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 18.770 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU037354.D

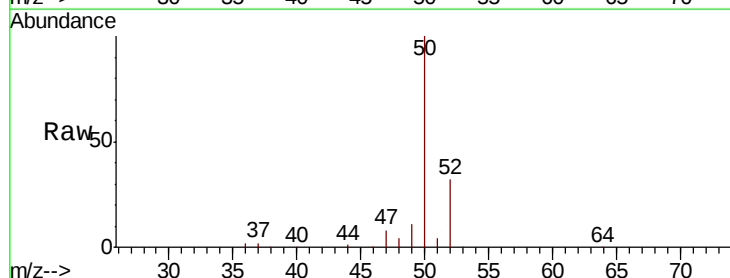
Acq: 20 Mar 2020 18:31

Tgt Ion: 50 Resp: 320865

Ion Ratio Lower Upper

50 100

52 32.1 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU037352.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU037352.D (-51) (-)

1.54

300000

250000

200000

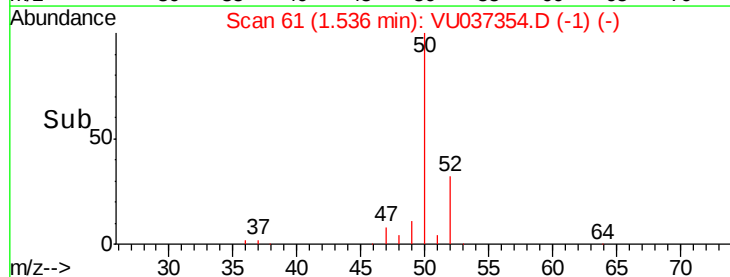
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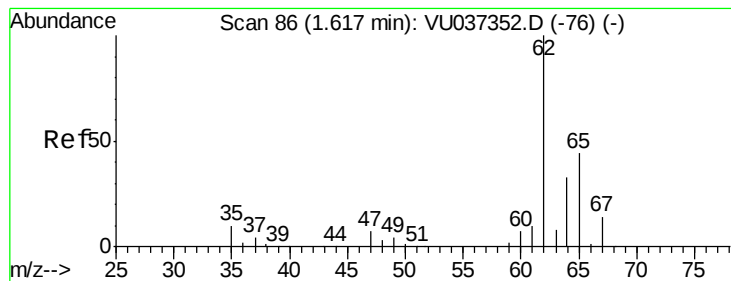
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 19.427 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037354.D

Acq: 20 Mar 2020 18:31

Instrument :

MSVOA_U

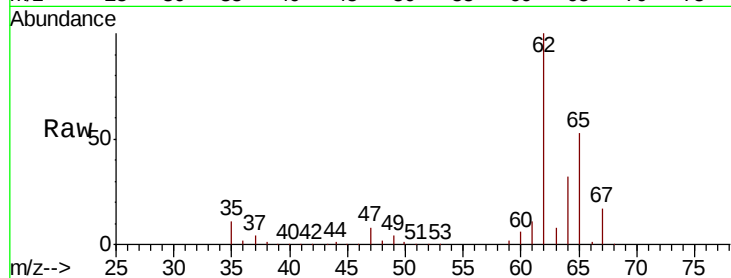
ClientSampled :

Tot Ion: 62 Resp: 295532

Ion Ratio Lower Upper

62 100

64 32.4 23.2 43.0



Abundance Ion 62.00 (61.70 to 62.70): VU037352.D (-76) (-)

Ion 64.10 (63.80 to 64.80): VU037354.D (-72) (-)

1.62

300000

250000

200000

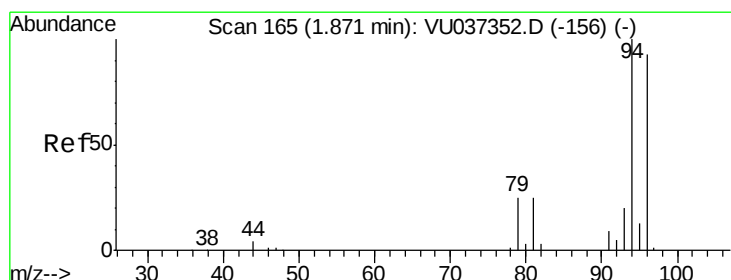
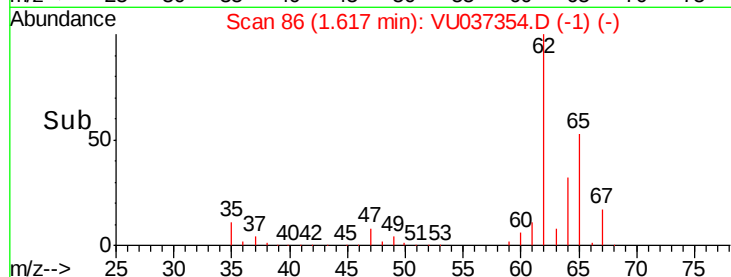
150000

100000

50000

0

Time--> 1.55 1.60 1.65 1.70



#6

Bromomethane

Concen: 17.343 ug/L

RT: 1.85 min Scan# 160

Delta R.T. -0.02 min

Lab File: VU037354.D

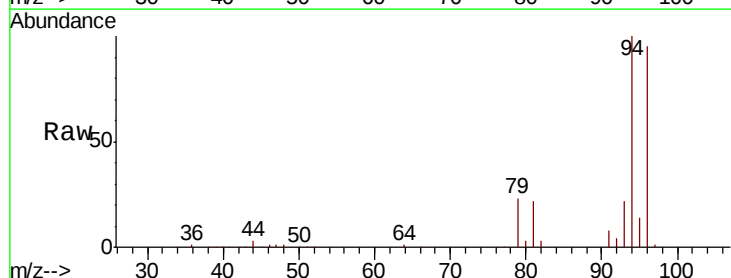
Acq: 20 Mar 2020 18:31

Tgt Ion: 94 Resp: 127804

Ion Ratio Lower Upper

94 100

96 94.6 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VU037352.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU037354.D (-72) (-)

1.85

100000

80000

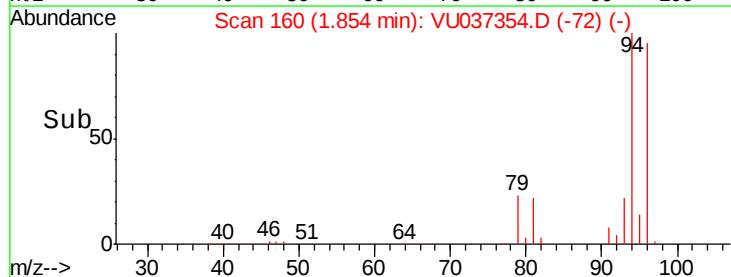
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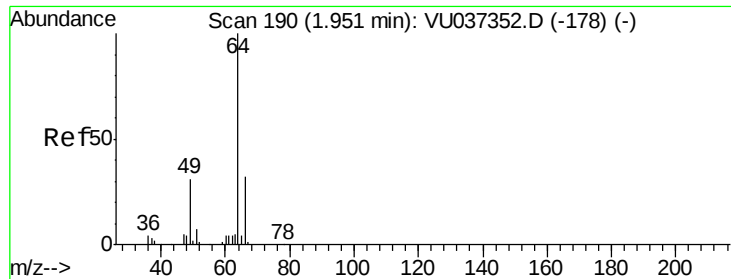
40000

20000

0

Time--> 1.75 1.80 1.85 1.90 1.95





#8

Chloroethane

Concen: 18.385 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.01 min

Lab File: VU037354.D

Acq: 20 Mar 2020 18:31

Instrument :

MSVOA_U

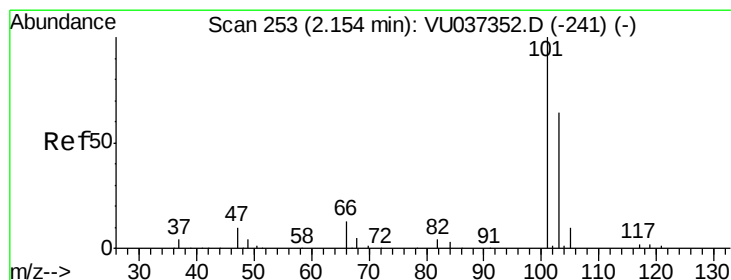
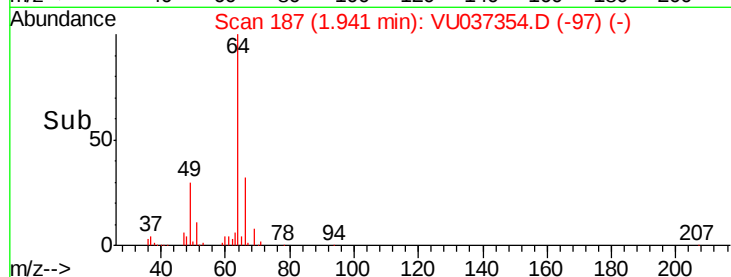
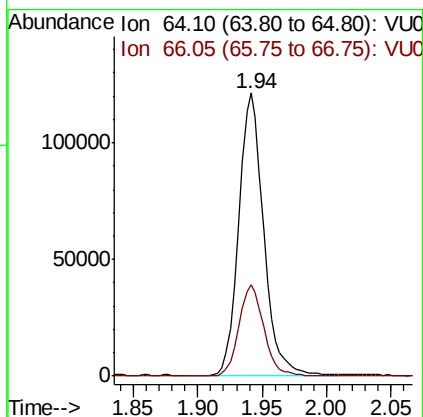
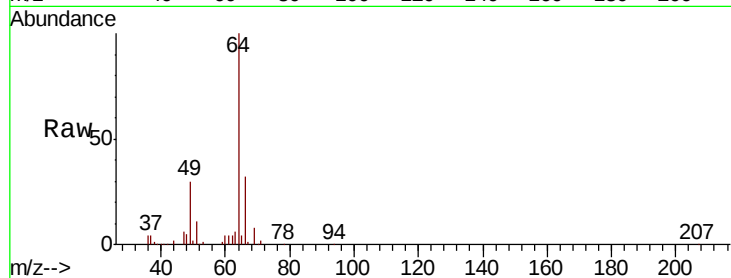
ClientSampleId :

Tot Ion: 64 Resp: 161542

Ion Ratio Lower Upper

64 100

66 32.1 21.8 40.6



#9

Trichlorofluoromethane

Concen: 18.882 ug/L

RT: 2.15 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU037354.D

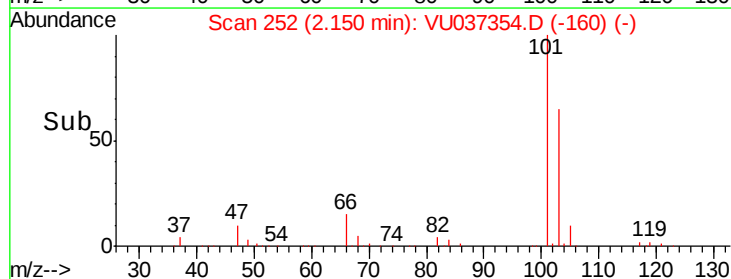
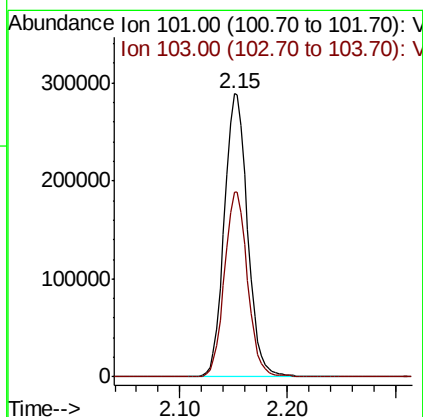
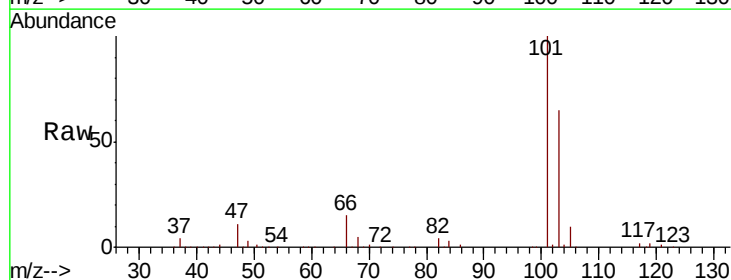
Acq: 20 Mar 2020 18:31

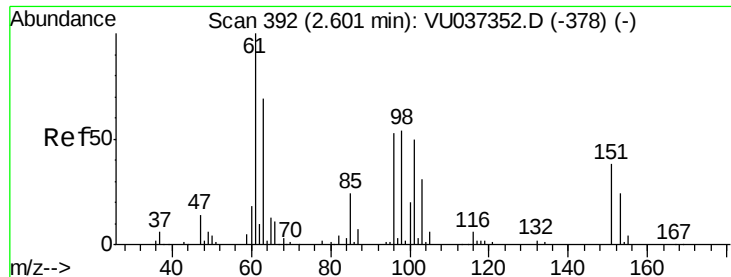
Tgt Ion: 101 Resp: 433395

Ion Ratio Lower Upper

101 100

103 64.9 51.4 77.2





#10

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

Concen: 19.115 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU037354.D

Acq: 20 Mar 2020 18:31

Instrument :

MSVOA_U

ClientSampled :

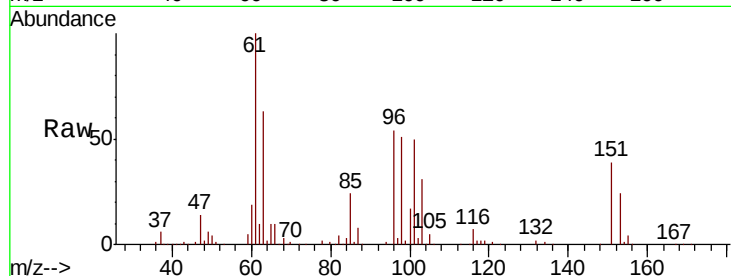
Tot Ion:101 Resp: 202959

Ion Ratio Lower Upper

101 100

85 47.1 39.0 58.4

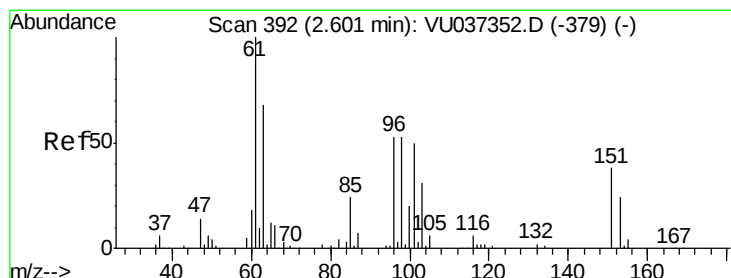
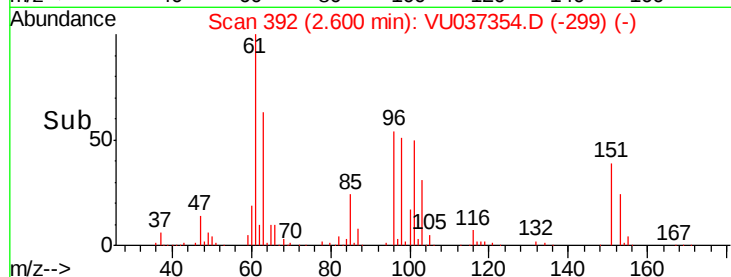
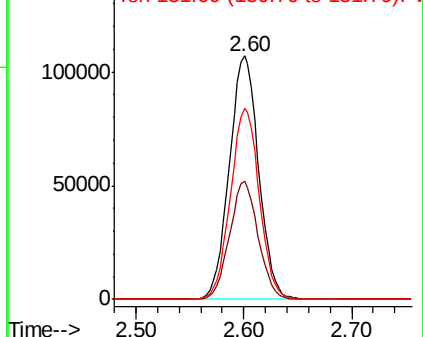
151 77.1 62.2 93.2



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: 19.464 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU037354.D

Acq: 20 Mar 2020 18:31

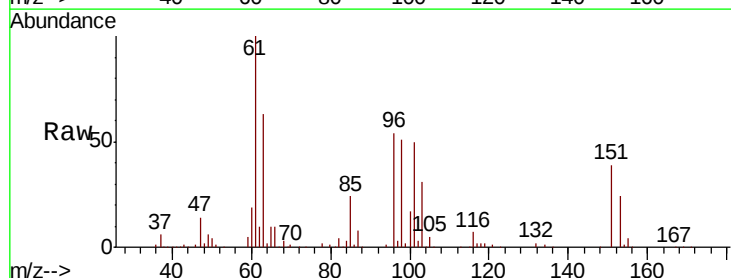
Tgt Ion: 96 Resp: 187355

Ion Ratio Lower Upper

96 100

61 186.4 131.7 244.5

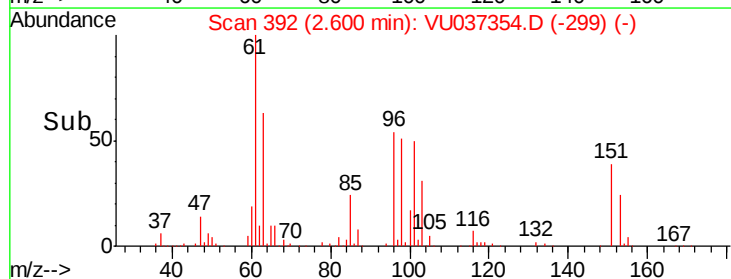
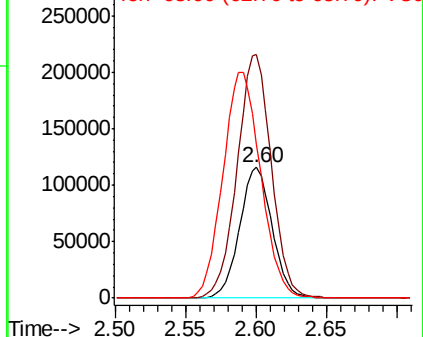
63 117.8 91.4 169.8

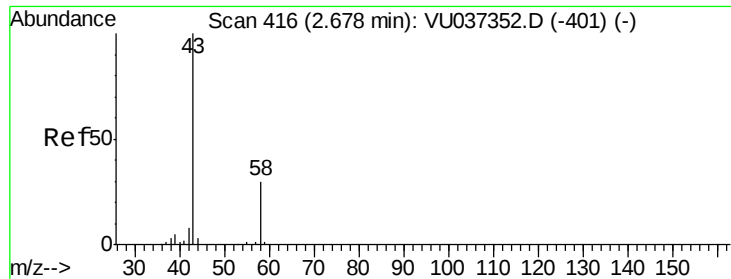


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 172.249 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.02 min

Lab File: VU037354.D

Acq: 20 Mar 2020 18:31

Instrument :

MSVOA_U

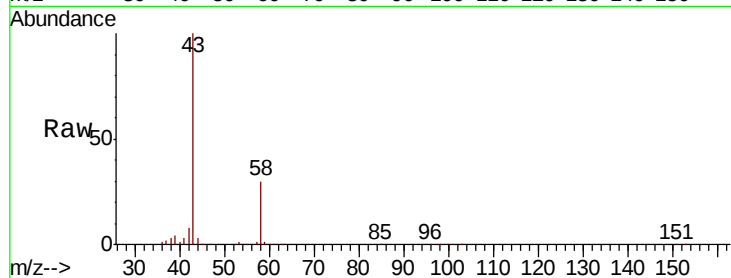
ClientSampleId :

Tot Ion: 43 Resp: 330502

Ion Ratio Lower Upper

43 100

58 29.6 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) (-)

2.66

200000

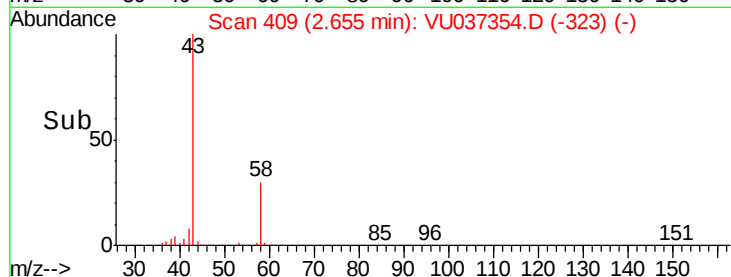
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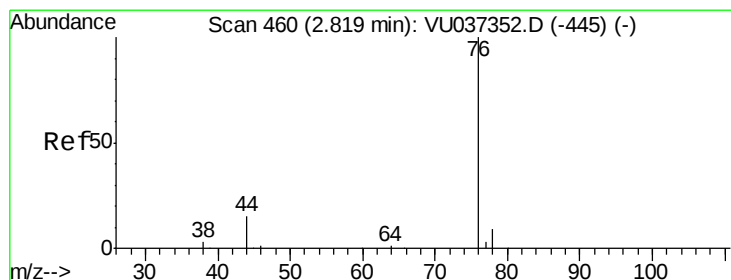
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Time-->



Time-->



#14

Carbon disulfide

Concen: 20.599 ug/L

RT: 2.82 min Scan# 459

Delta R.T. -0.00 min

Lab File: VU037354.D

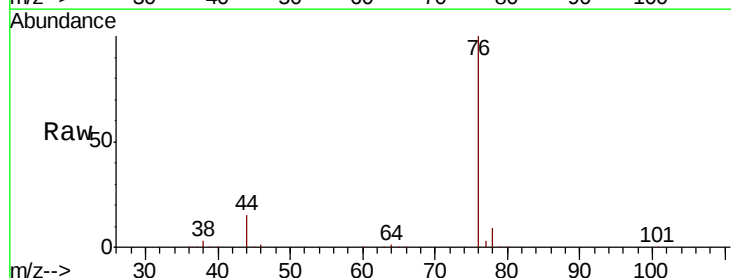
Acq: 20 Mar 2020 18:31

Tgt Ion: 76 Resp: 649487

Ion Ratio Lower Upper

76 100

78 9.4 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

400000

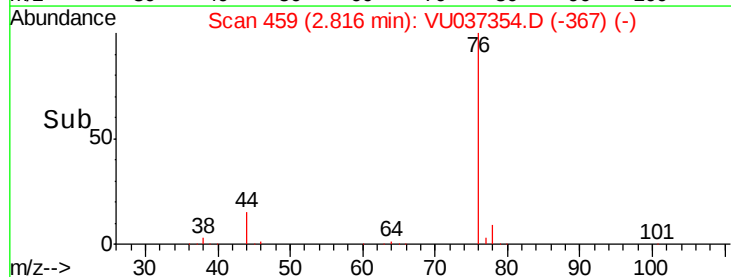
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200000

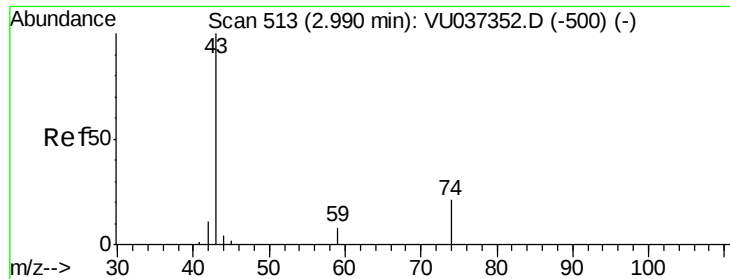
100000

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Time-->



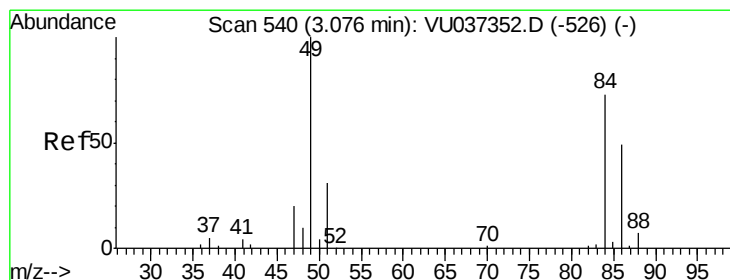
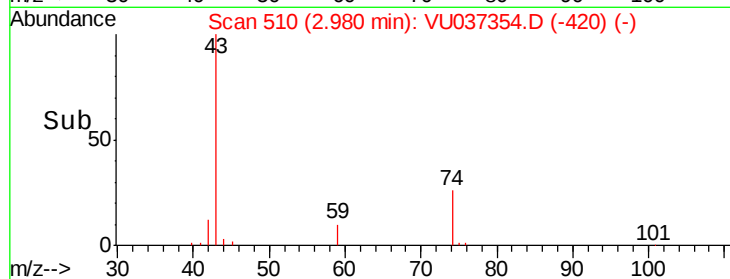
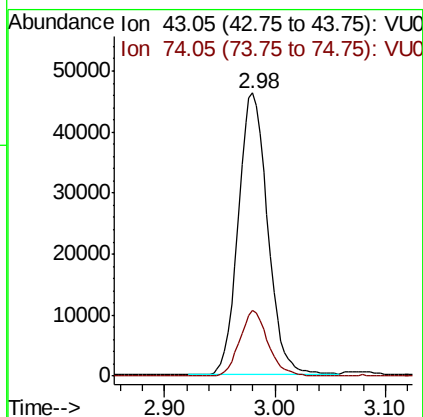
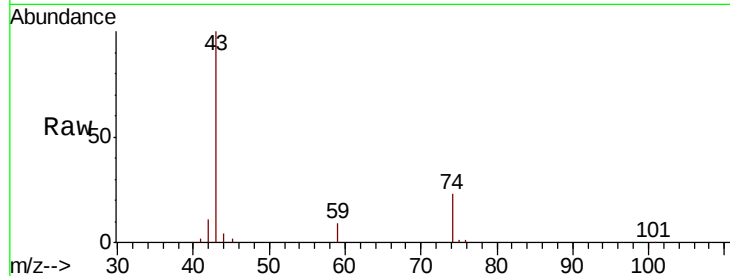
Time-->



#15
Methvl Acetate
Concen: 19.072 ug/L
RT: 2.98 min Scan# 510
Delta R.T. -0.01 min
Lab File: VU037354.D
Acq: 20 Mar 2020 18:31

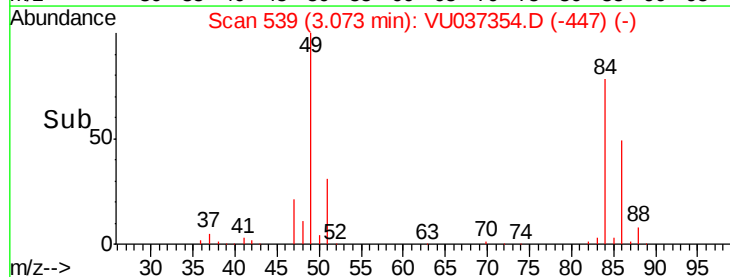
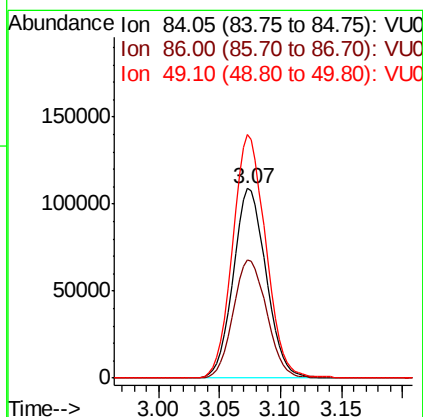
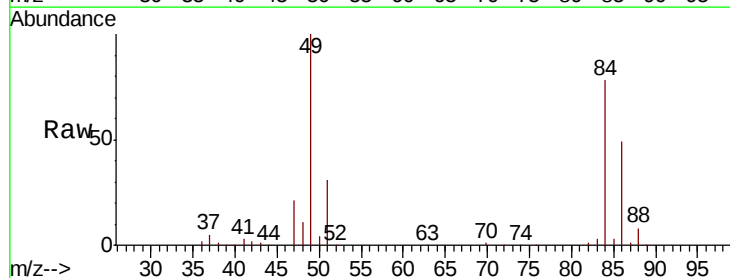
Instrument :
MSVOA_U
ClientSampled :

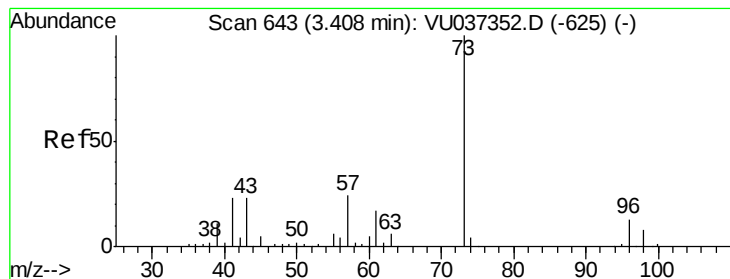
Tot Ion: 43 Resp: 85299
Ion Ratio Lower Upper
43 100
74 22.3 19.5 29.3



#16
Methylene chloride
Concen: 17.726 ug/L
RT: 3.07 min Scan# 539
Delta R.T. -0.00 min
Lab File: VU037354.D
Acq: 20 Mar 2020 18:31

Tgt Ion: 84 Resp: 203991
Ion Ratio Lower Upper
84 100
86 62.4 46.8 87.0
49 128.6 95.4 177.2



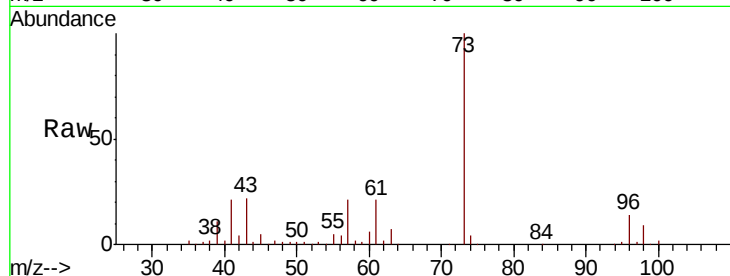


#17

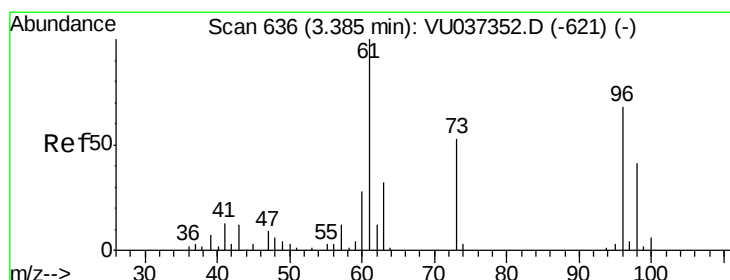
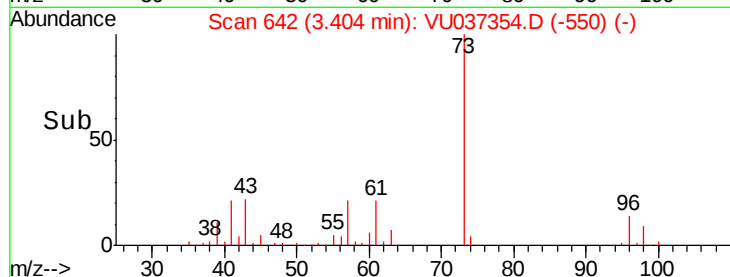
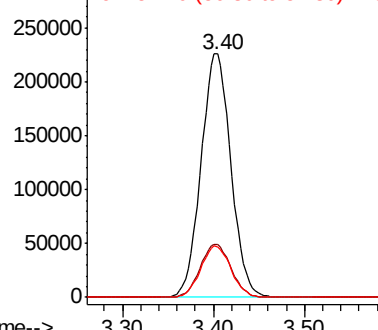
Methvl tert-butvl Ether
 Concen: 18.941 ug/L
 RT: 3.40 min Scan# 642
 Delta R.T. -0.00 min
 Lab File: VU037354.D
 Acq: 20 Mar 2020 18:31

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 73 Resp: 514527
 Ion Ratio Lower Upper
 73 100
 43 22.4 18.2 27.2
 57 21.4 17.9 26.9



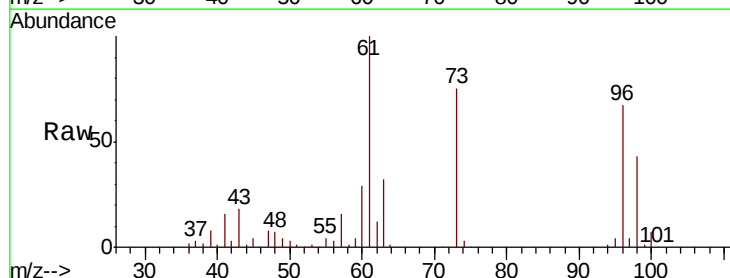
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



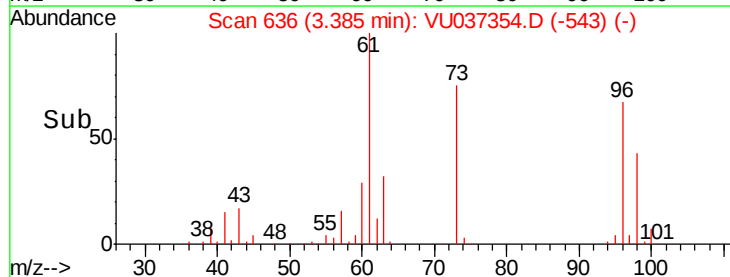
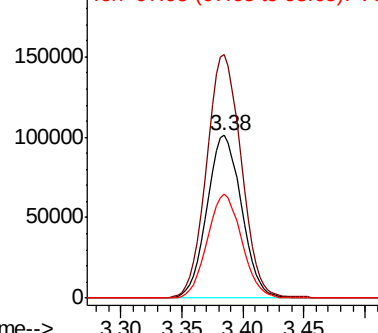
#18

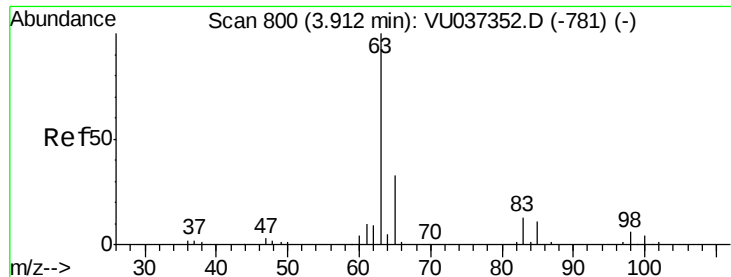
trans-1,2-Dichloroethene
 Concen: 19.150 ug/L
 RT: 3.38 min Scan# 636
 Delta R.T. -0.00 min
 Lab File: VU037354.D
 Acq: 20 Mar 2020 18:31

Tgt Ion: 96 Resp: 199997
 Ion Ratio Lower Upper
 96 100
 61 149.6 103.5 192.1
 98 64.3 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

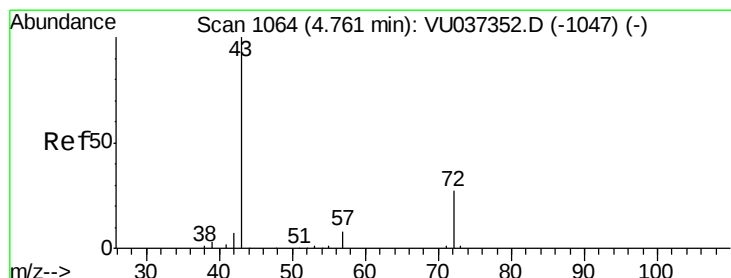
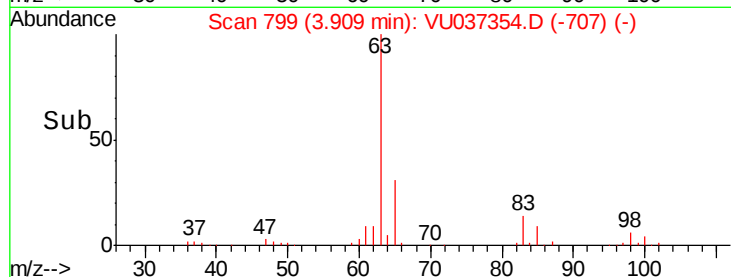
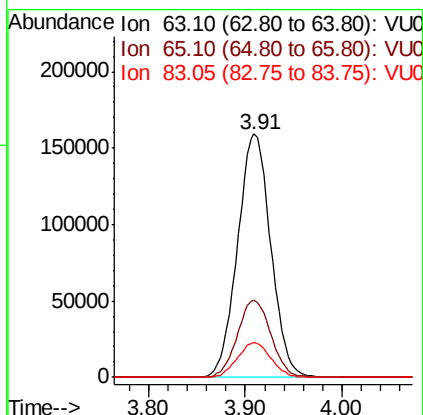
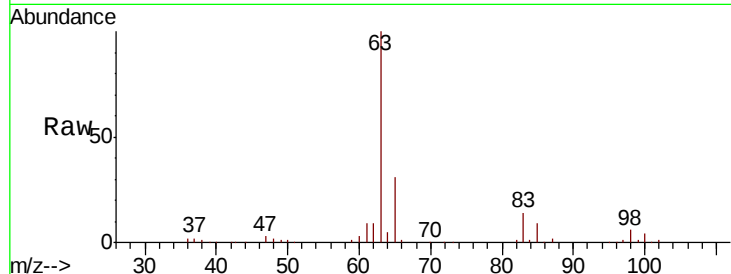




#19
 1,1-Dichloroethane
 Concen: 18.361 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU037354.D
 Acq: 20 Mar 2020 18:31

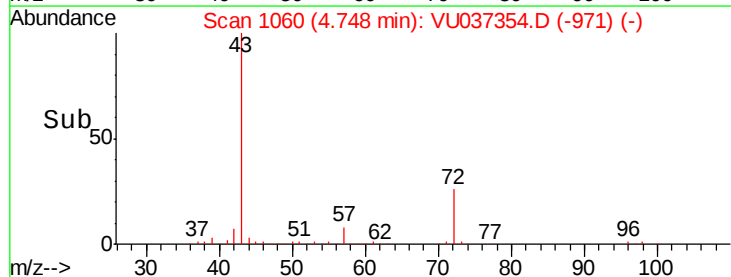
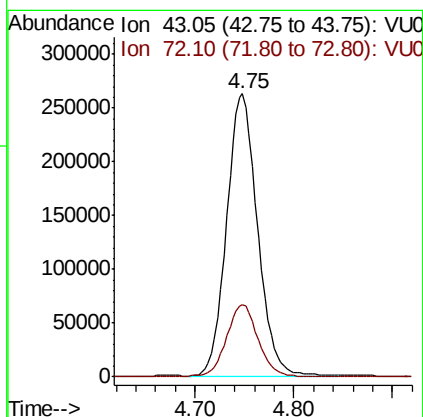
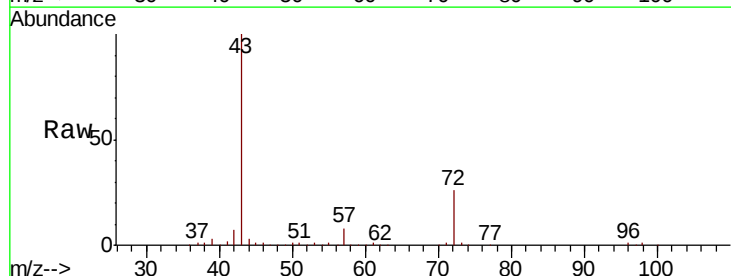
Instrument :
 MSVOA_U
 ClientSampleId :

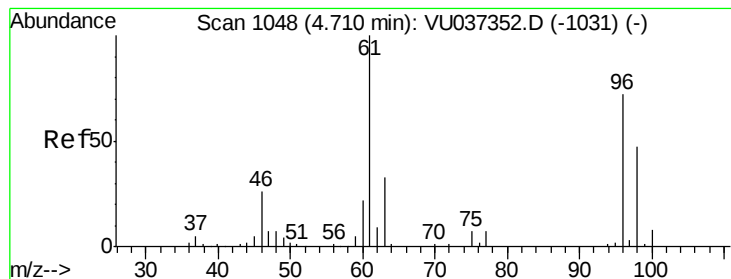
Tot Ion: 63 Resp: 379670
 Ion Ratio Lower Upper
 63 100
 65 31.5 22.9 42.5
 83 14.2 9.2 17.0



#21
 2-Butanone
 Concen: 185.187 ug/L
 RT: 4.75 min Scan# 1060
 Delta R.T. -0.01 min
 Lab File: VU037354.D
 Acq: 20 Mar 2020 18:31

Tgt Ion: 43 Resp: 572145
 Ion Ratio Lower Upper
 43 100
 72 26.4 12.9 38.6





#22

cis-1,2-Dichloroethene

Concen: 19.226 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU037354.D

Acq: 20 Mar 2020 18:31

Instrument :
MSVOA_U
ClientSampleId :

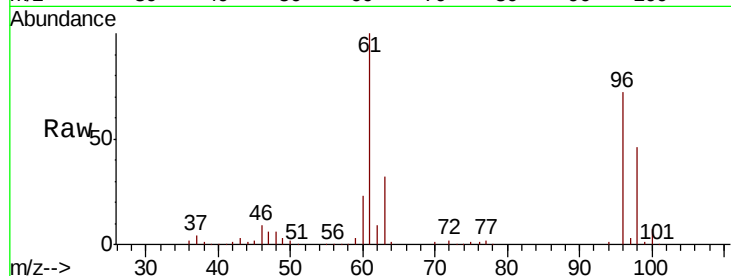
Tot Ion: 96 Resp: 219861

Ion Ratio Lower Upper

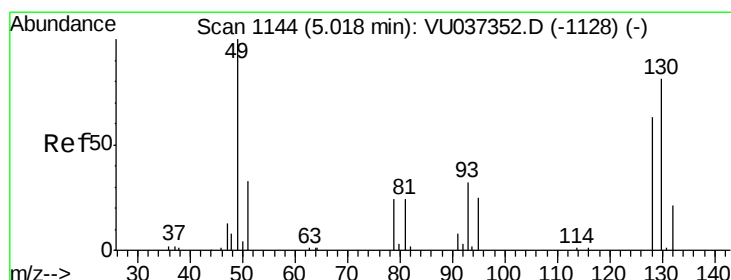
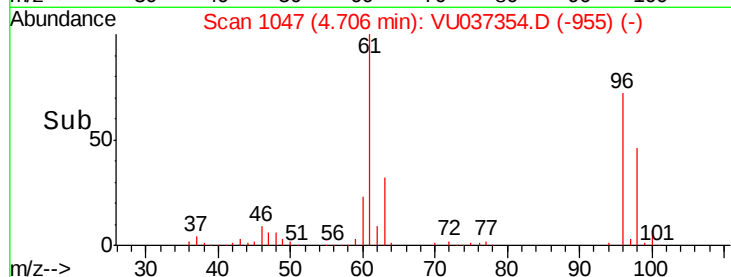
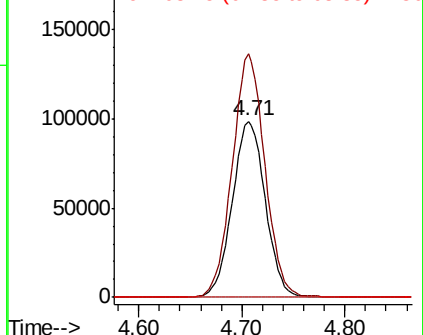
96 100

61 138.2 97.6 181.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 19.483 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VU037354.D

Acq: 20 Mar 2020 18:31

Tgt Ion:128 Resp: 100766

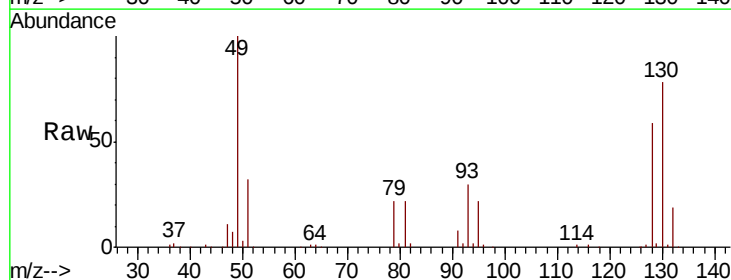
Ion Ratio Lower Upper

128 100

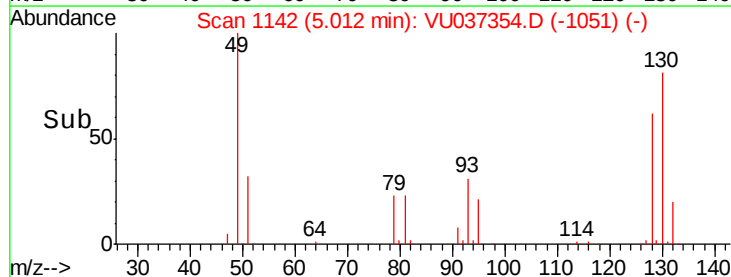
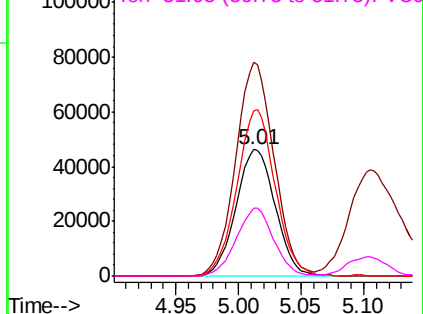
49 168.9 110.7 205.7

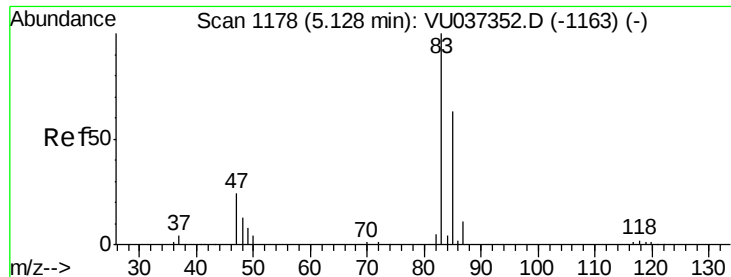
130 130.9 89.2 165.6

51 53.5 42.1 63.1



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VU0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VU0

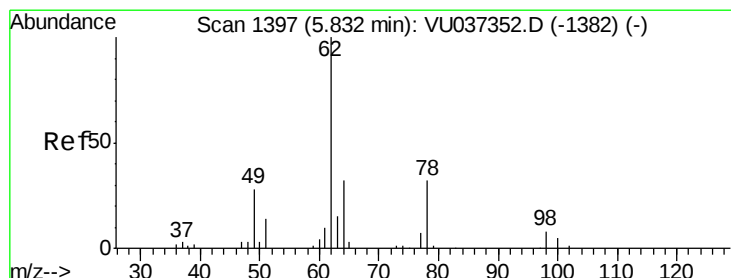
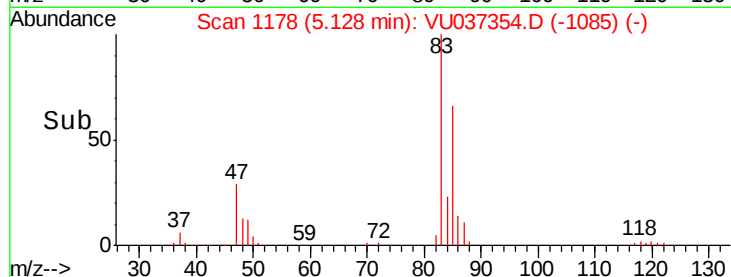
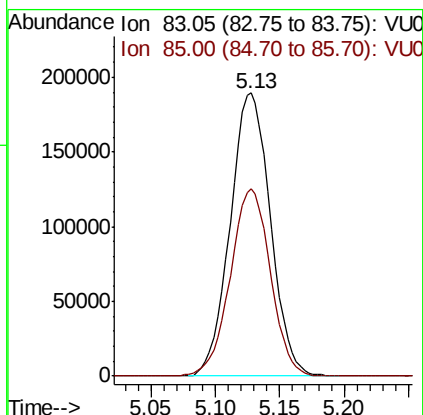
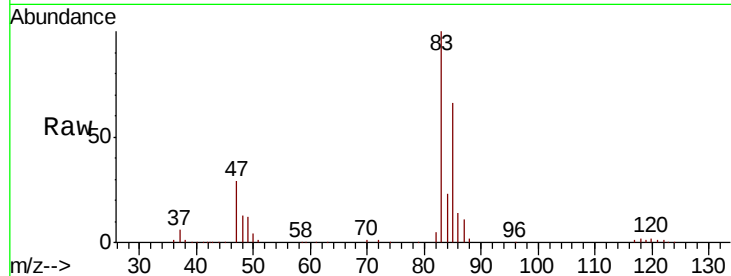




#25
Chloroform
Concen: 18.152 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037354.D
Acq: 20 Mar 2020 18:31

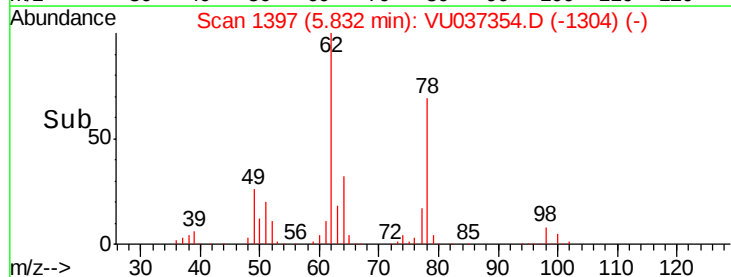
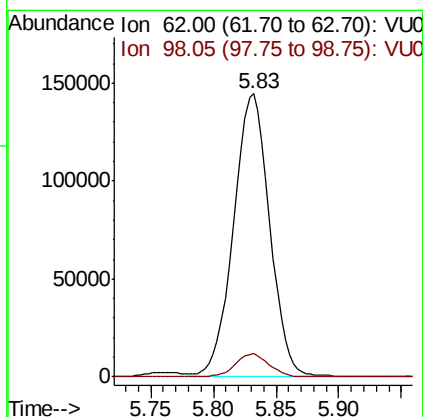
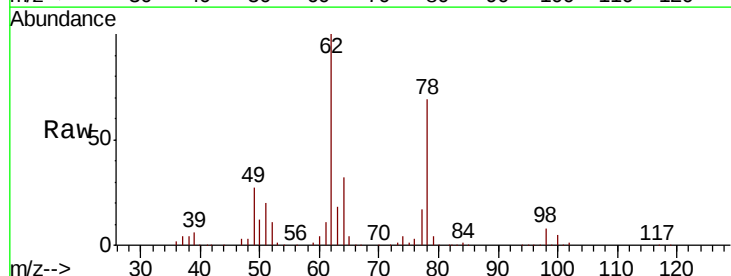
Instrument :
MSVOA_U
ClientSampleId :

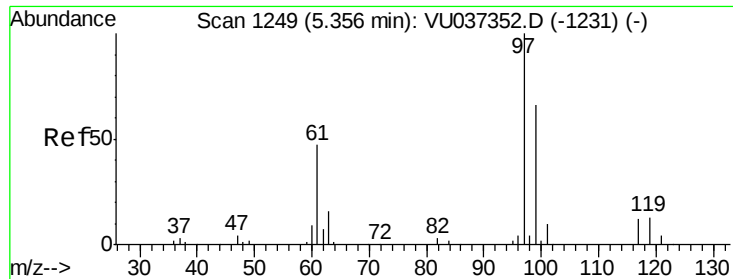
Tot Ion: 83 Resp: 409968
Ion Ratio Lower Upper
83 100
85 66.4 44.1 81.9



#27
1,2-Dichloroethane
Concen: 18.268 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. -0.00 min
Lab File: VU037354.D
Acq: 20 Mar 2020 18:31

Tgt Ion: 62 Resp: 288182
Ion Ratio Lower Upper
62 100
98 8.1 6.4 9.6

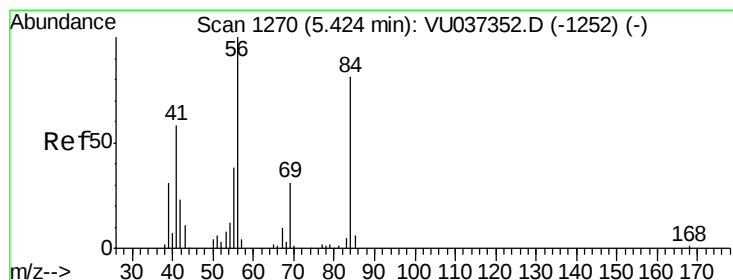
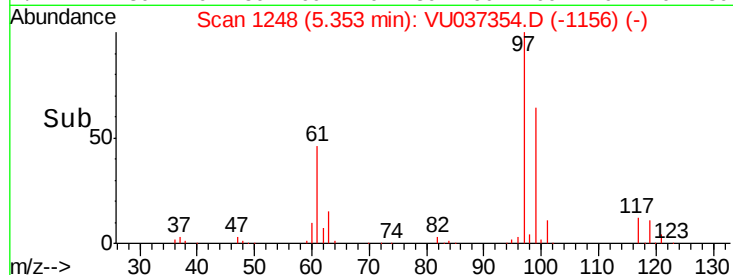
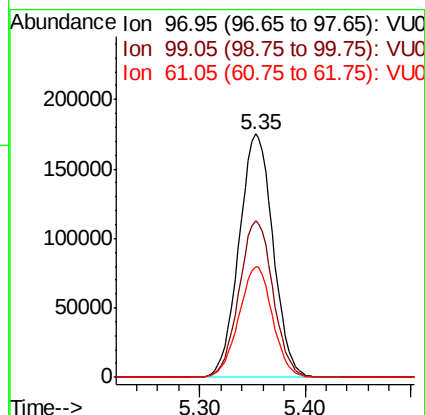
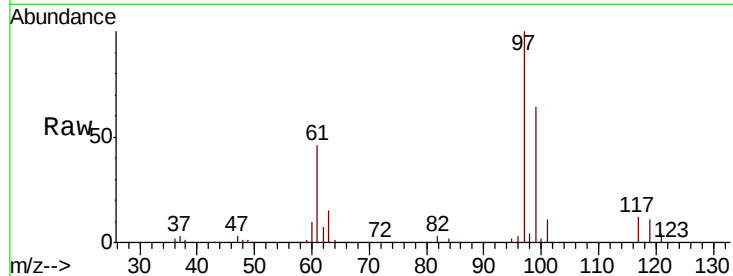




#29
 1,1,1-Trichloroethane
 Concen: 19.320 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU037354.D
 Acq: 20 Mar 2020 18:31

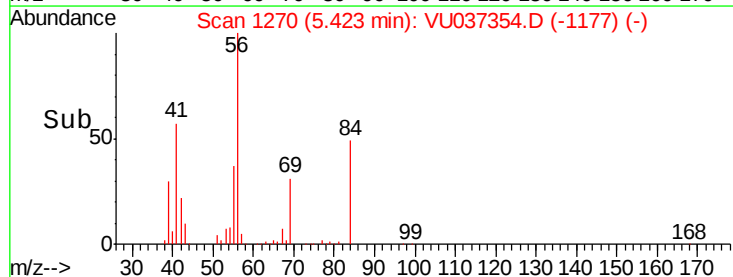
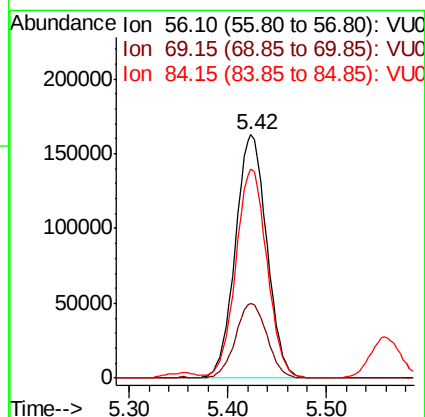
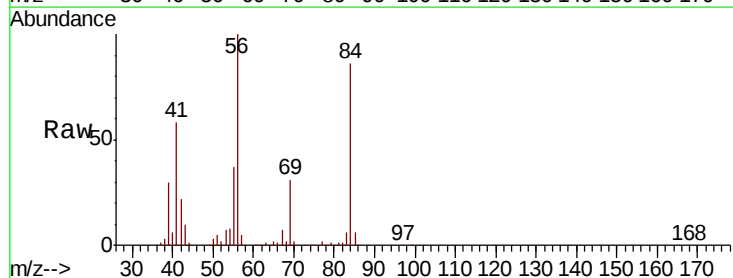
Instrument :
 MSVOA_U
 ClientSampleId :

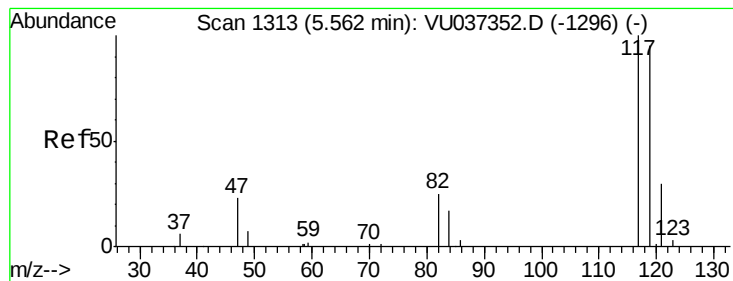
Tot Ion: 97 Resp: 392958
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.7 77.5
 61 45.0 36.8 55.2



#30
 Cyclohexane
 Concen: 19.866 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VU037354.D
 Acq: 20 Mar 2020 18:31

Tgt Ion: 56 Resp: 360333
 Ion Ratio Lower Upper
 56 100
 69 30.7 24.6 37.0
 84 84.8 68.5 102.7





#31

Carbon tetrachloride

Concen: 19.868 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU037354.D

Acq: 20 Mar 2020 18:31

Instrument :

MSVOA_U

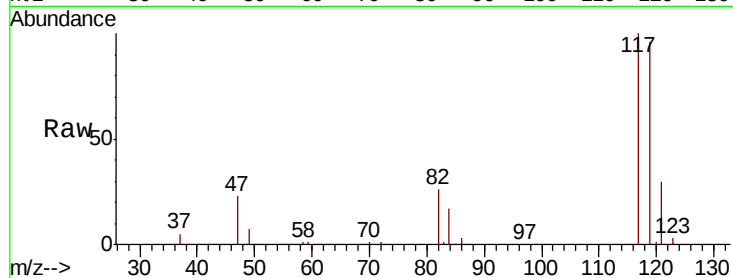
ClientSampleId :

Tot Ion:117 Resp: 356018

Ion Ratio Lower Upper

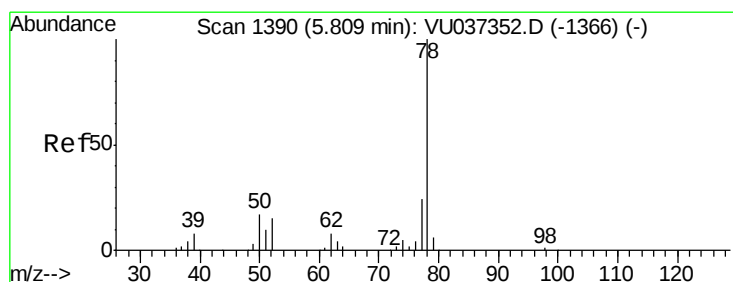
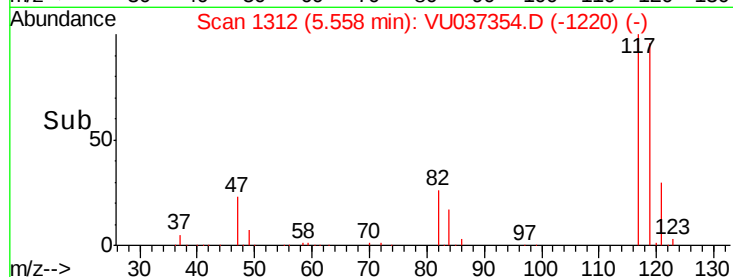
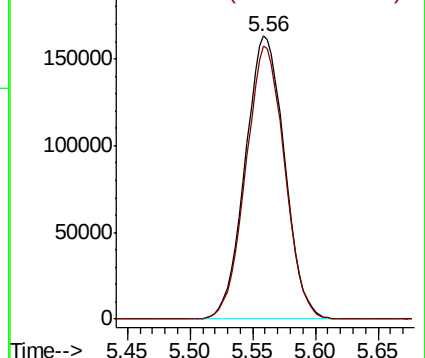
117 100

119 95.1 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: 19.006 ug/L

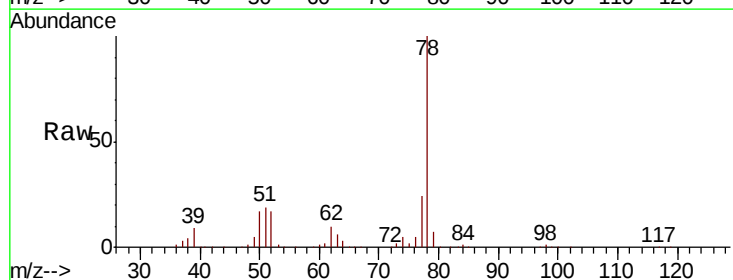
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

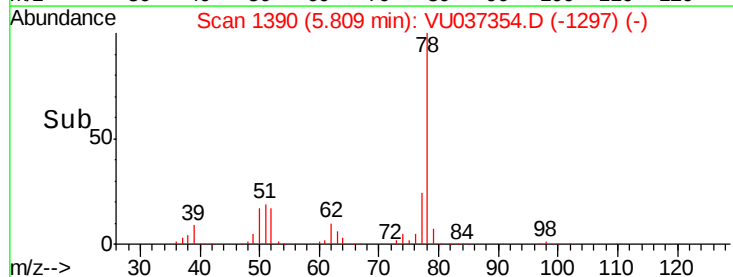
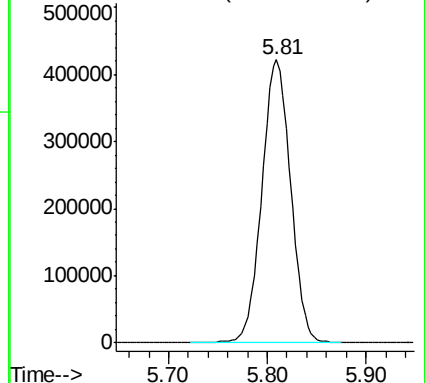
Lab File: VU037354.D

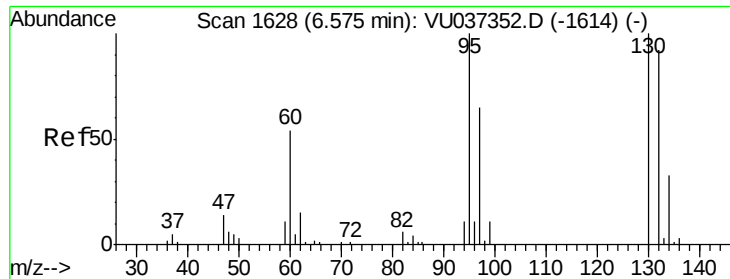
Acq: 20 Mar 2020 18:31

Tgt Ion: 78 Resp: 848274



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 18.916 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VU037354.D

Acq: 20 Mar 2020 18:31

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 229888

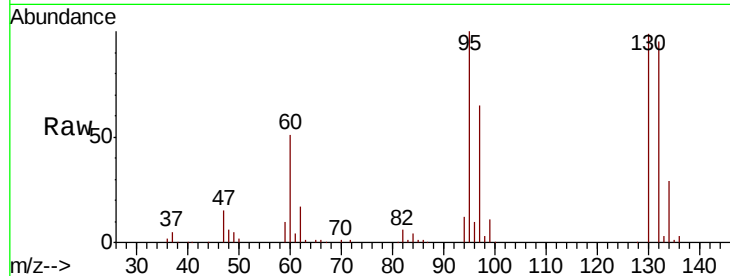
Ion Ratio Lower Upper

95 100

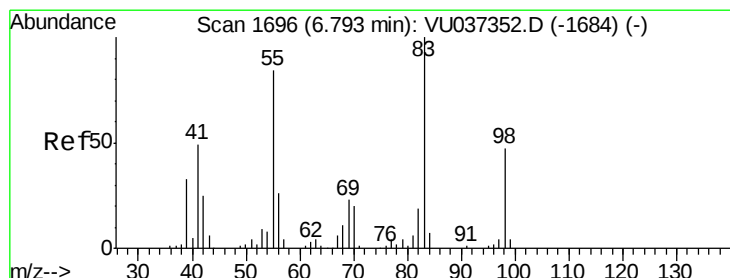
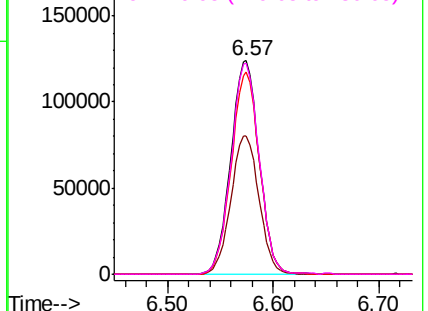
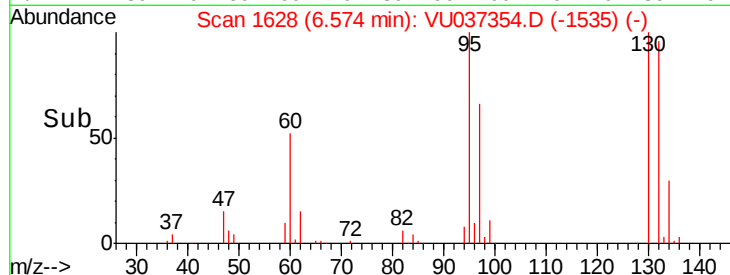
97 64.8 45.5 84.5

132 94.6 64.7 120.1

130 98.8 69.7 129.5



Abundance Ion 95.00 (94.70 to 95.70): VU037354.D (-1535) (-)



#35

Methylcyclohexane

Concen: 20.444 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. -0.00 min

Lab File: VU037354.D

Acq: 20 Mar 2020 18:31

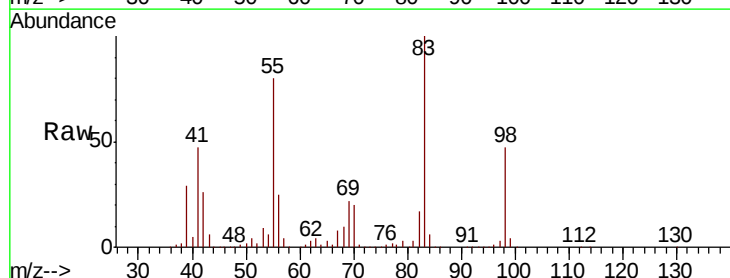
Tgt Ion: 83 Resp: 373747

Ion Ratio Lower Upper

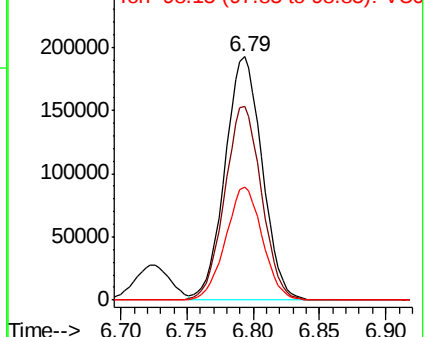
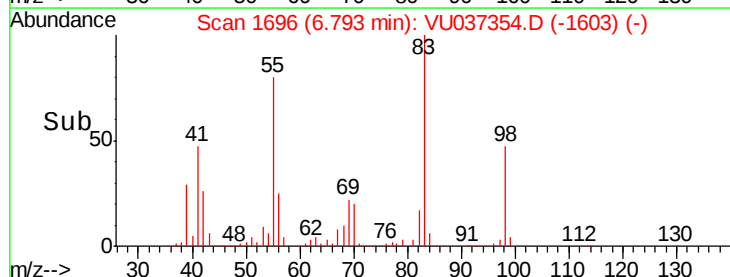
83 100

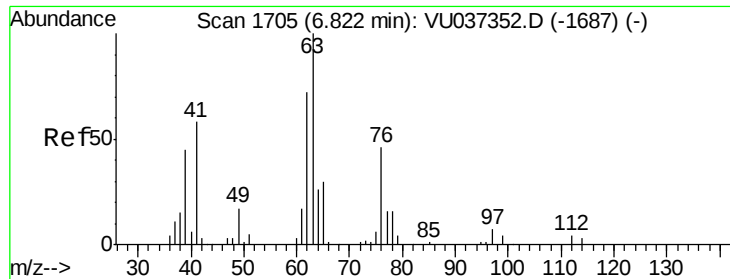
55 78.9 65.9 98.9

98 45.9 37.6 56.4



Abundance Ion 83.15 (82.85 to 83.85): VU037354.D (-1603) (-)

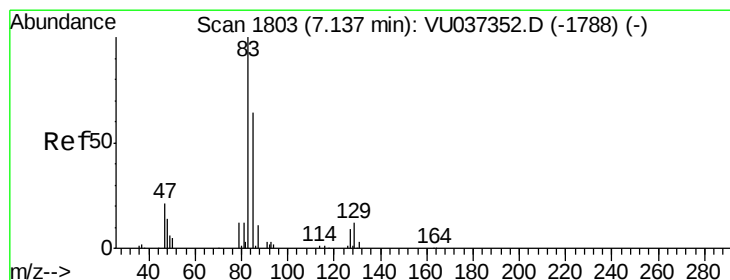
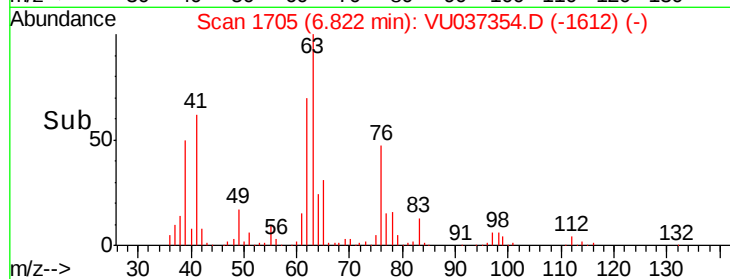
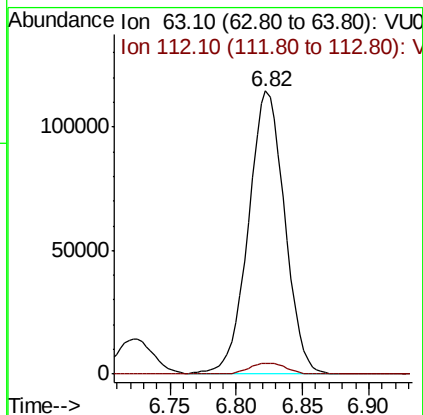
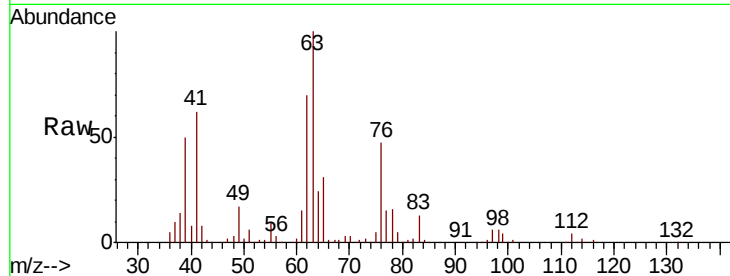




#37
 1,2-Dichloropropane
 Concen: 18.371 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. -0.00 min
 Lab File: VU037354.D
 Acq: 20 Mar 2020 18:31

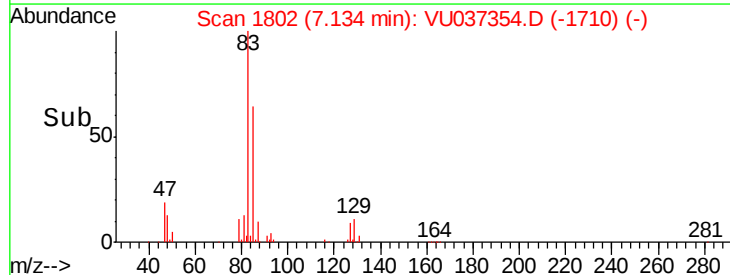
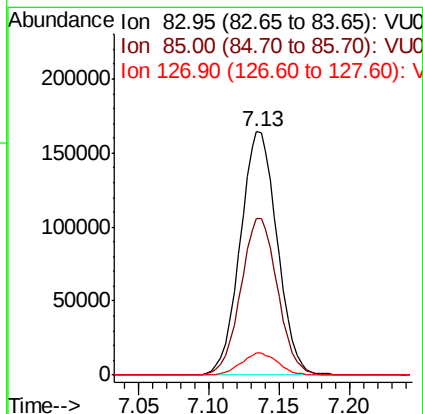
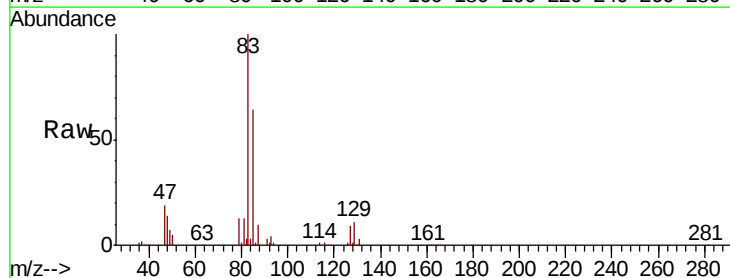
Instrument :
 MSVOA_U
 ClientSampleId :

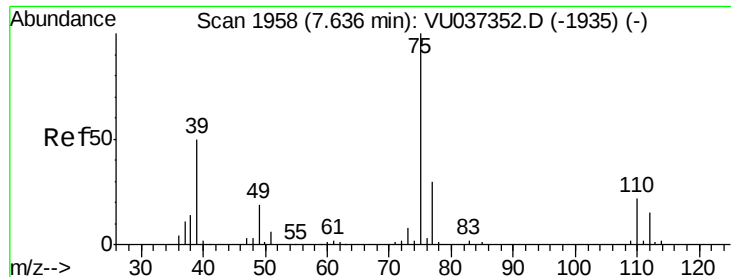
Tot Ion: 63 Resp: 216181
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.0 4.6



#38
 Bromodichloromethane
 Concen: 18.262 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VU037354.D
 Acq: 20 Mar 2020 18:31

Tgt Ion: 83 Resp: 301772
 Ion Ratio Lower Upper
 83 100
 85 64.1 44.7 82.9
 127 8.9 7.0 10.6

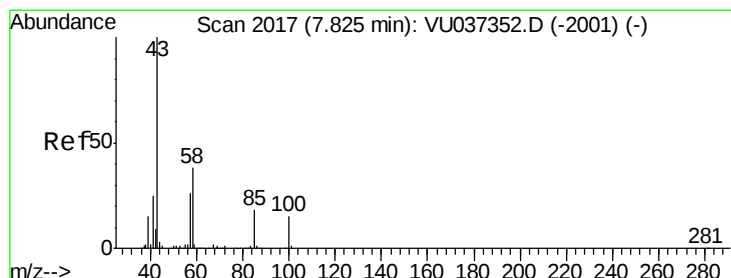
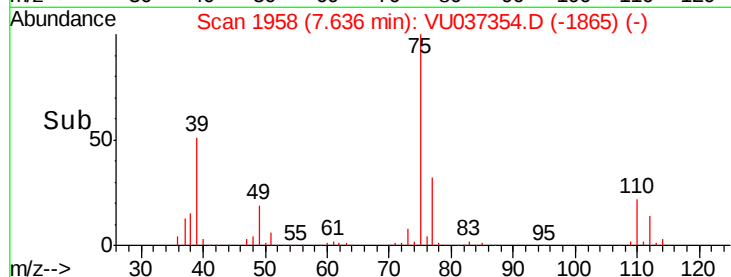
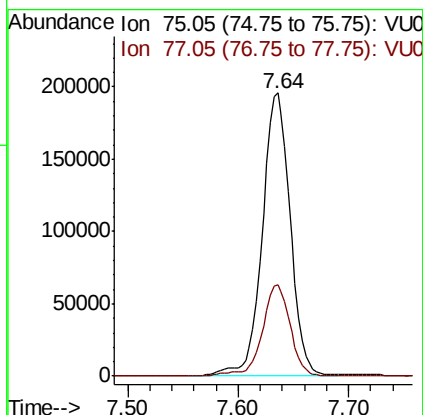
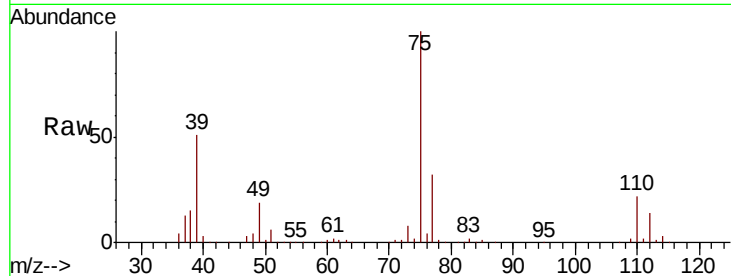




#39
 cis-1,3-Dichloropropene
 Concen: 19.559 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. -0.00 min
 Lab File: VU037354.D
 Acq: 20 Mar 2020 18:31

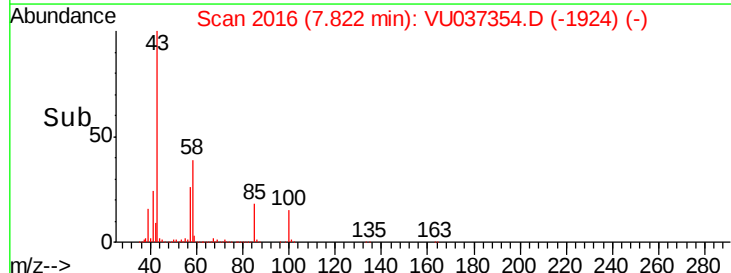
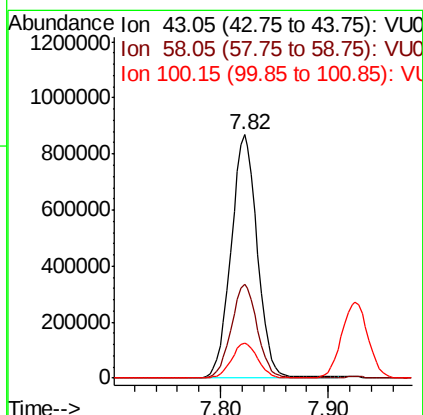
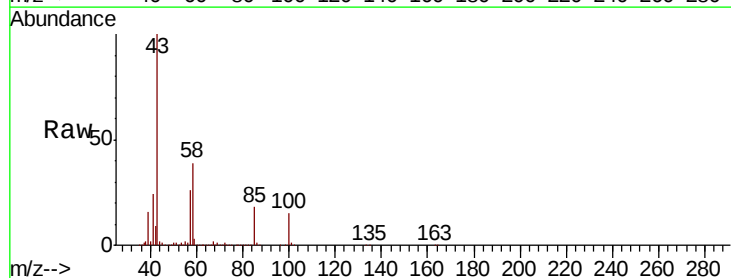
Instrument :
 MSVOA_U
 ClientSampled :

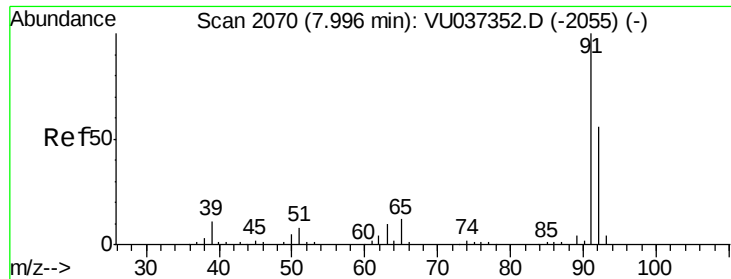
Tot Ion: 75 Resp: 346292
 Ion Ratio Lower Upper
 75 100
 77 32.3 21.2 39.4



#40
 4-Methyl-2-pentanone
 Concen: 189.813 ug/L
 RT: 7.82 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VU037354.D
 Acq: 20 Mar 2020 18:31

Tgt Ion: 43 Resp: 1476225
 Ion Ratio Lower Upper
 43 100
 58 38.3 30.1 45.1
 100 14.4 11.8 17.6





#42

Toluene

Concen: 19.882 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VU037354.D

Acq: 20 Mar 2020 18:31

Instrument :

MSVOA_U

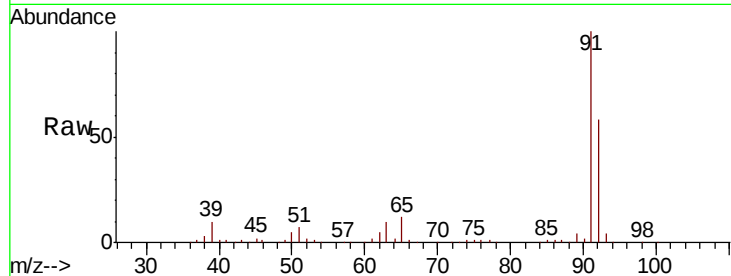
ClientSampleId :

Tot Ion: 91 Resp: 957158

Ion Ratio Lower Upper

91 100

92 57.8 39.0 72.4



Abundance Ion 91.15 (90.85 to 91.85): VU037352.D (-2055) (-)

Ion 92.15 (91.85 to 92.85): VU037354.D (-1977) (-)

8.00

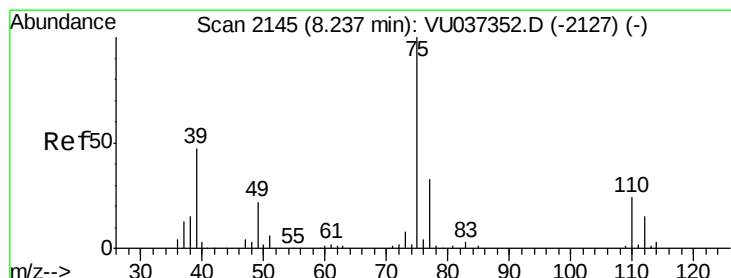
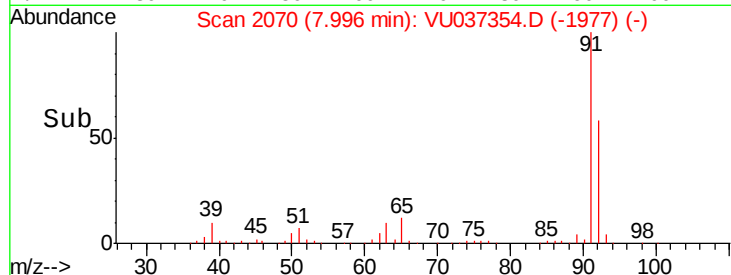
600000

400000

200000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 20.957 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. -0.00 min

Lab File: VU037354.D

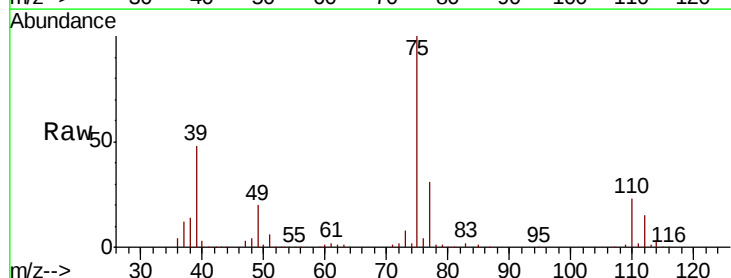
Acq: 20 Mar 2020 18:31

Tgt Ion: 75 Resp: 316011

Ion Ratio Lower Upper

75 100

77 30.9 23.0 42.6



Abundance Ion 75.05 (74.75 to 75.75): VU037352.D (-2127) (-)

Ion 77.05 (76.75 to 77.75): VU037354.D (-2052) (-)

8.24

200000

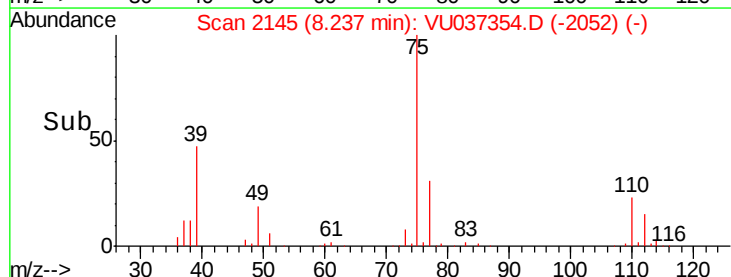
150000

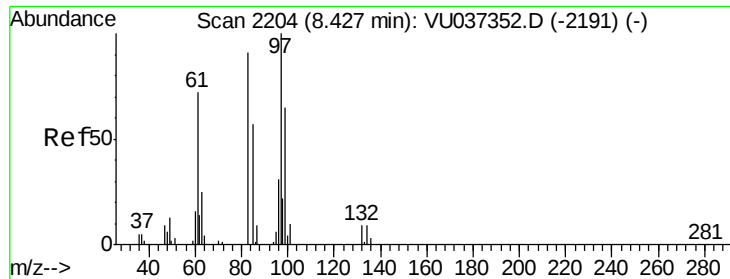
100000

50000

0

Time-->

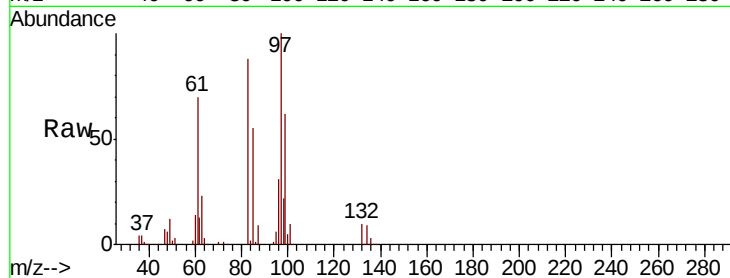




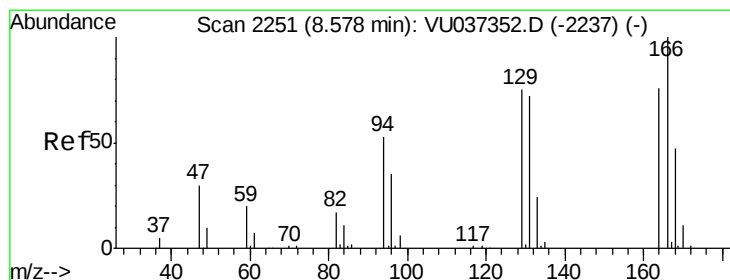
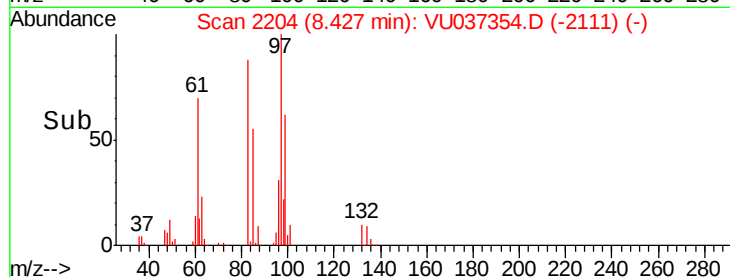
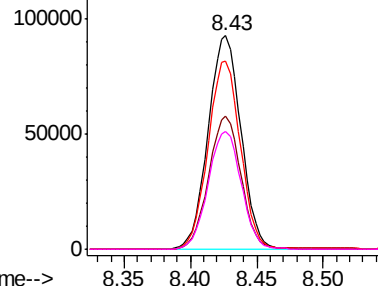
#45
 1,1,2-Trichloroethane
 Concen: 18.894 ug/L
 RT: 8.43 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VU037354.D
 Acq: 20 Mar 2020 18:31

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:	97	Resp:	159868
Ion	Ratio	Lower	Upper
97	100		
99	62.1	45.8	85.0
83	88.3	63.4	117.8
85	55.3	40.1	74.5

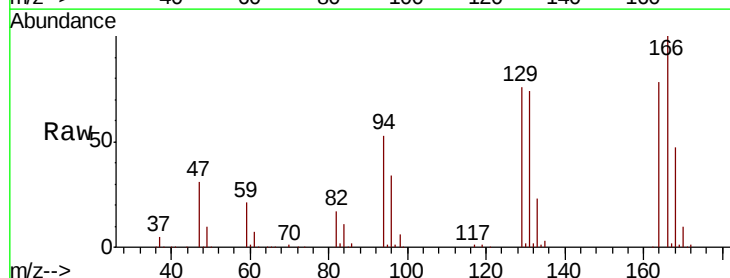


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

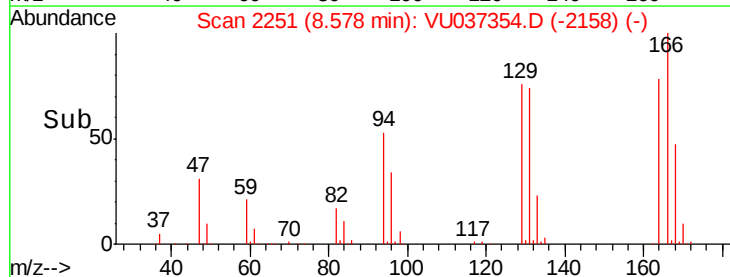
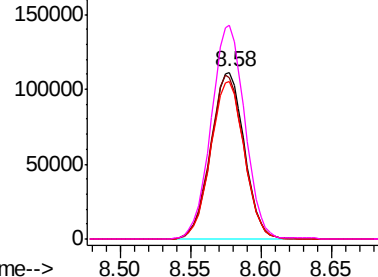


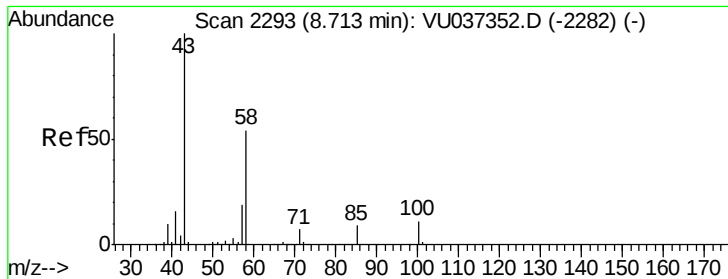
#47
 Tetrachloroethene
 Concen: 19.557 ug/L
 RT: 8.58 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VU037354.D
 Acq: 20 Mar 2020 18:31

Tgt Ion:	164	Resp:	185007
Ion	Ratio	Lower	Upper
164	100		
129	96.9	69.9	129.7
131	94.3	67.1	124.7
166	128.1	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

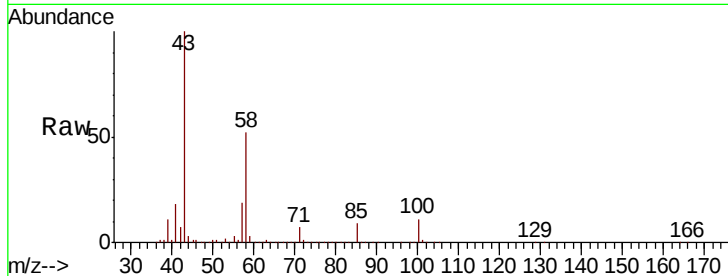




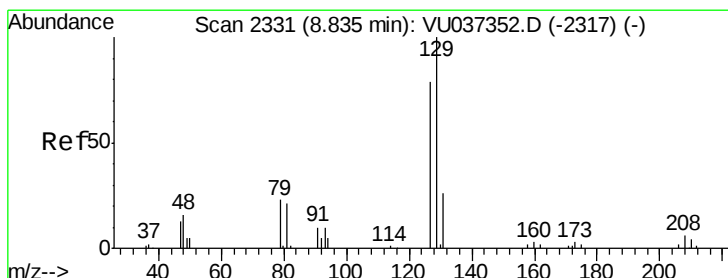
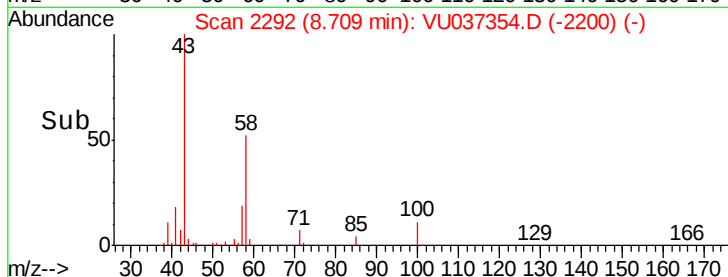
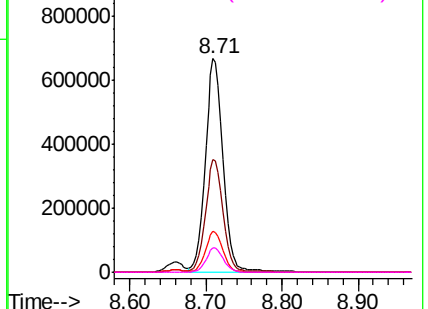
#48
2-Hexanone
Concen: 189.271 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VU037354.D
Acq: 20 Mar 2020 18:31

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 1085496
Ion Ratio Lower Upper
43 100
58 53.0 42.5 63.7
57 19.3 15.2 22.8
100 11.1 8.9 13.3

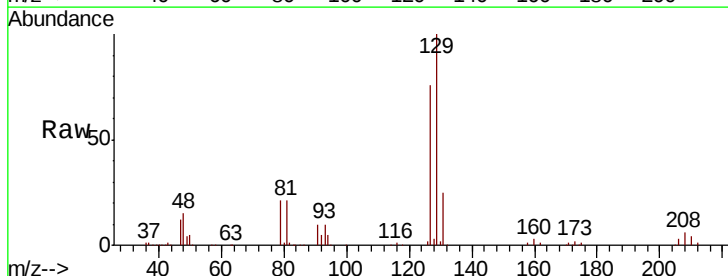


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

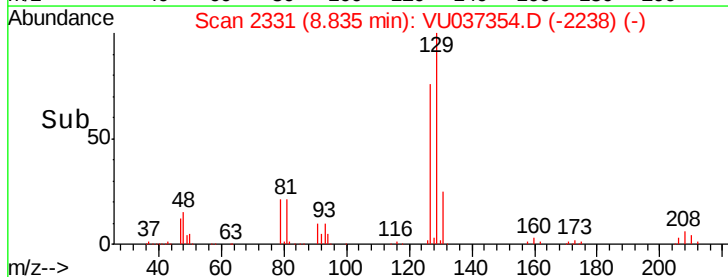
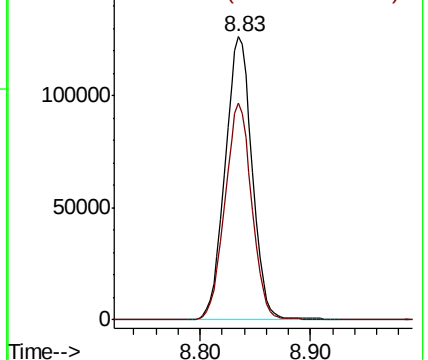


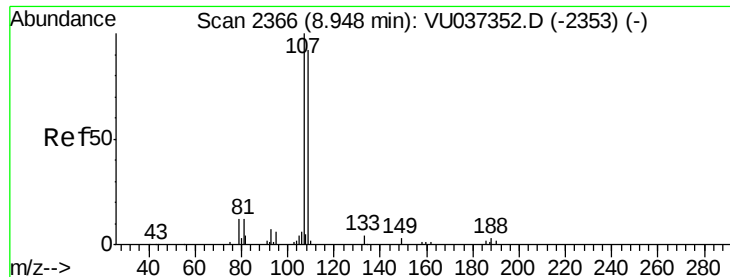
#49
Dibromochloromethane
Concen: 19.520 ug/L
RT: 8.83 min Scan# 2331
Delta R.T. -0.00 min
Lab File: VU037354.D
Acq: 20 Mar 2020 18:31

Tgt Ion: 129 Resp: 214674
Ion Ratio Lower Upper
129 100
127 76.4 55.1 102.3



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

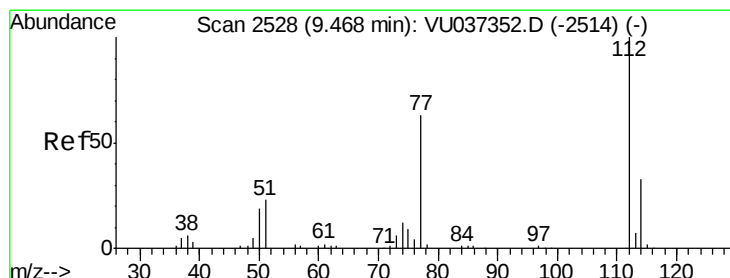
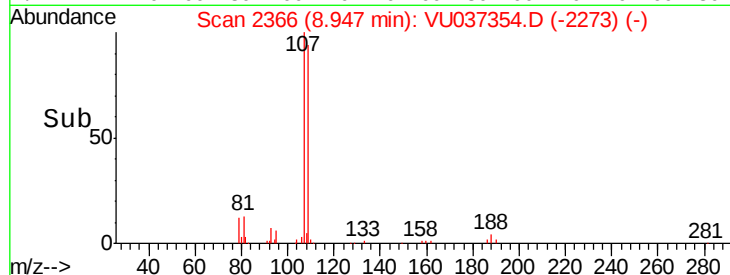
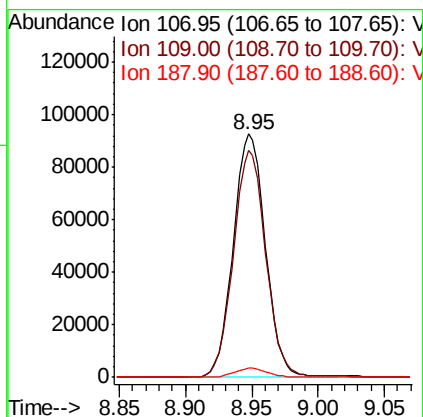
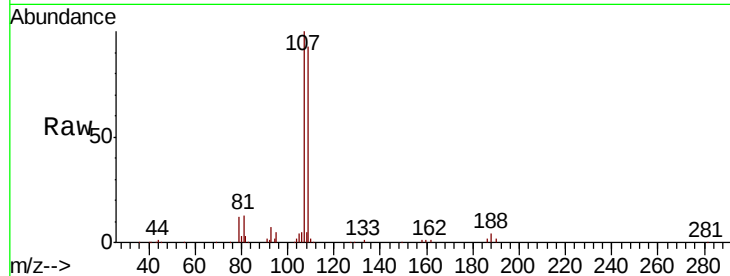




#50
 1,2-Dibromoethane
 Concen: 18.896 ug/L
 RT: 8.95 min Scan# 2366
 Delta R.T. -0.00 min
 Lab File: VU037354.D
 Acq: 20 Mar 2020 18:31

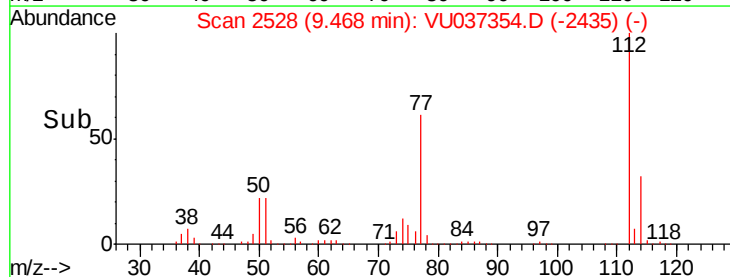
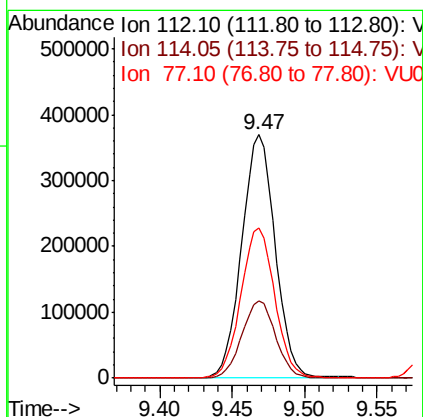
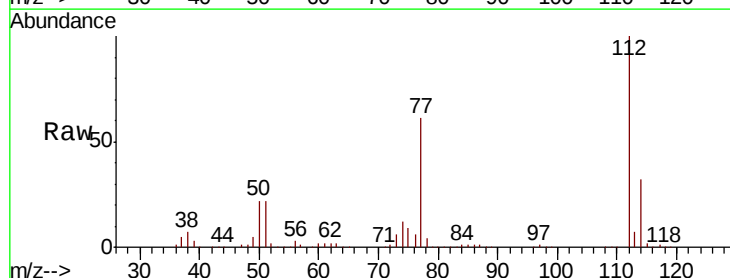
Instrument :
 MSVOA_U
 ClientSampleId :

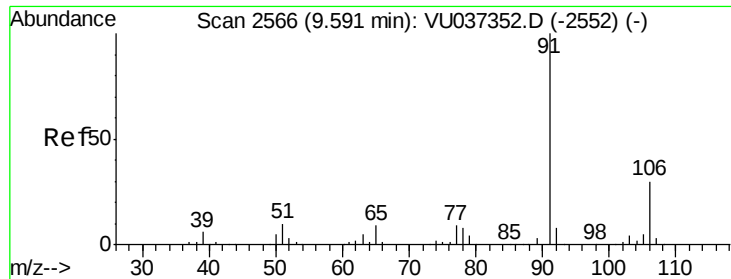
Tot Ion:107 Resp: 156417
 Ion Ratio Lower Upper
 107 100
 109 93.5 64.1 119.1
 188 3.9 2.4 3.6#



#51
 Chlorobenzene
 Concen: 19.150 ug/L
 RT: 9.47 min Scan# 2528
 Delta R.T. -0.00 min
 Lab File: VU037354.D
 Acq: 20 Mar 2020 18:31

Tgt Ion:112 Resp: 595408
 Ion Ratio Lower Upper
 112 100
 114 31.7 22.9 42.5
 77 61.5 50.8 76.2

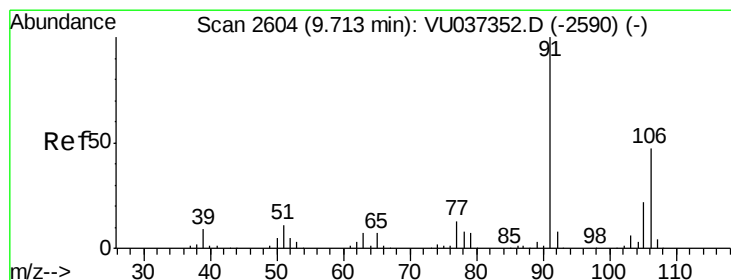
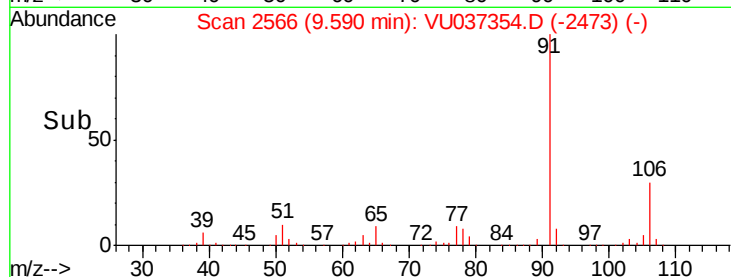
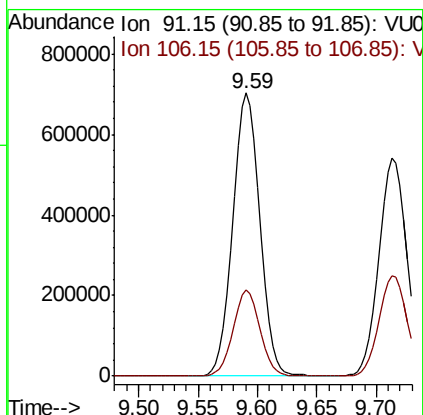
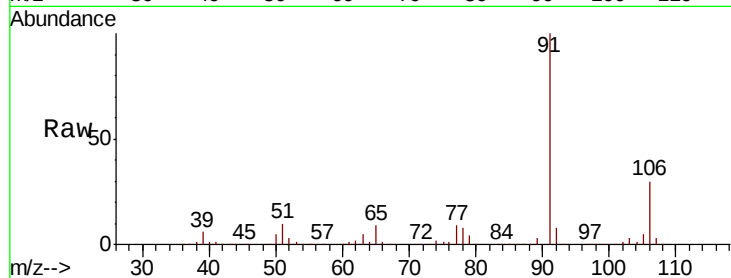




#52
Ethylbenzene
Concen: 20.395 ug/L
RT: 9.59 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VU037354.D
Acq: 20 Mar 2020 18:31

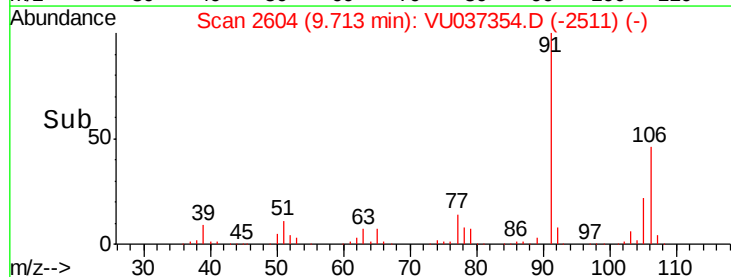
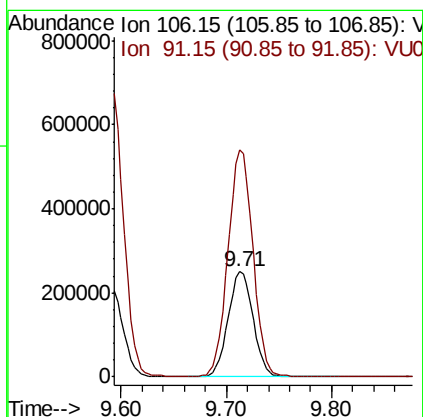
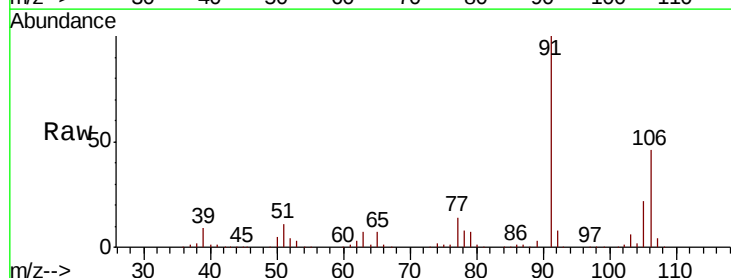
Instrument :
MSVOA_U
ClientSampleId :

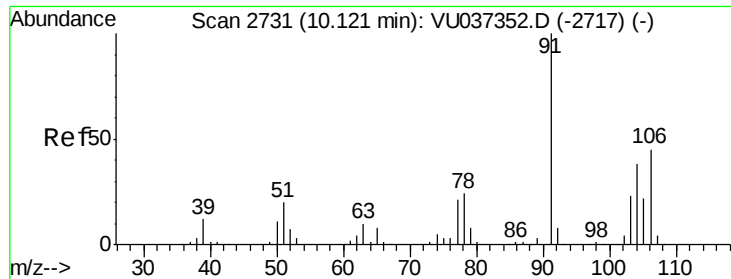
Tot Ion: 91 Resp: 1109906
Ion Ratio Lower Upper
91 100
106 30.4 21.1 39.3



#53
m,p-Xylene
Concen: 20.471 ug/L
RT: 9.71 min Scan# 2604
Delta R.T. -0.00 min
Lab File: VU037354.D
Acq: 20 Mar 2020 18:31

Tgt Ion: 106 Resp: 410873
Ion Ratio Lower Upper
106 100
91 215.7 151.1 280.7

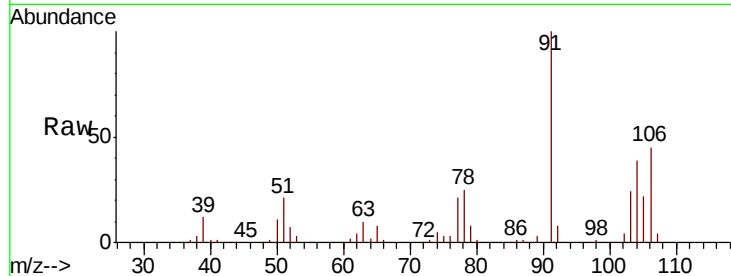




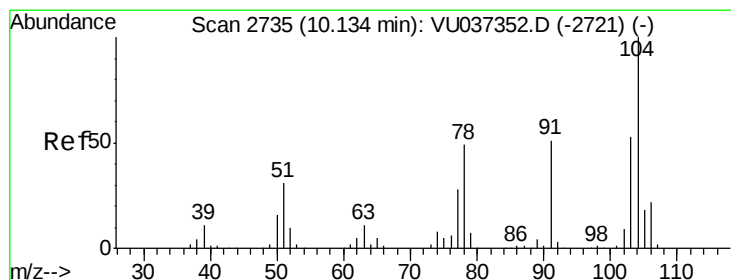
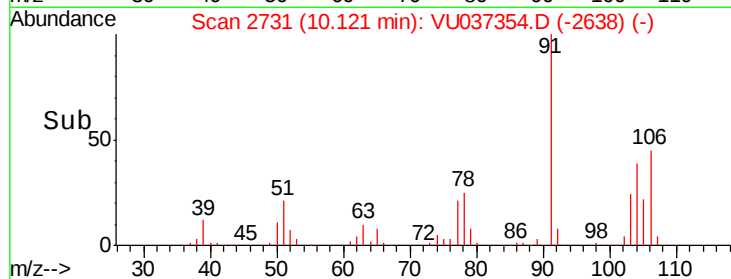
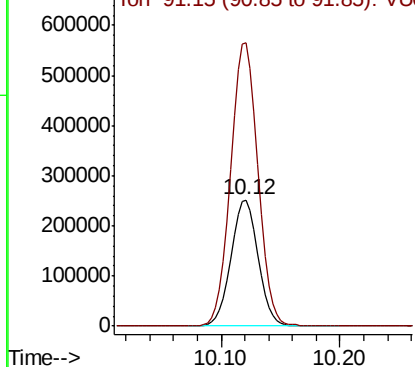
#54
o-Xylene
Concen: 20.860 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. -0.00 min
Lab File: VU037354.D
Acq: 20 Mar 2020 18:31

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 398003
Ion Ratio Lower Upper
106 100
91 224.6 155.0 287.8

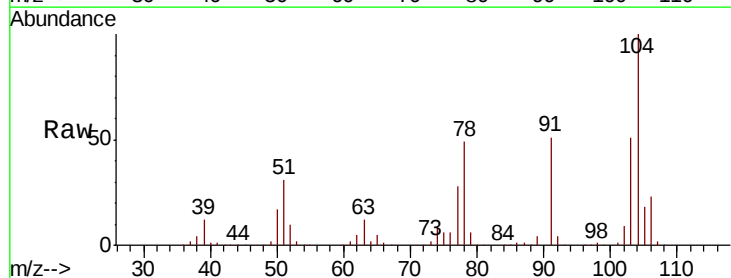


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

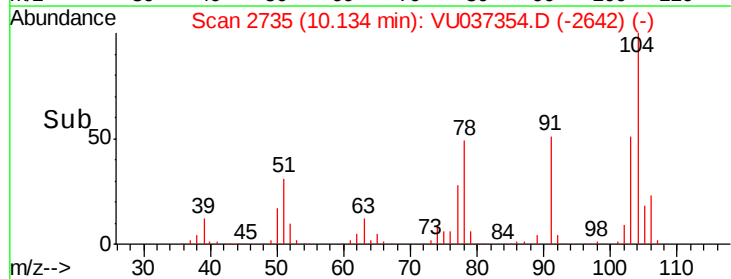
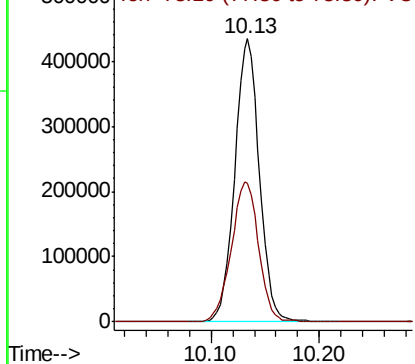


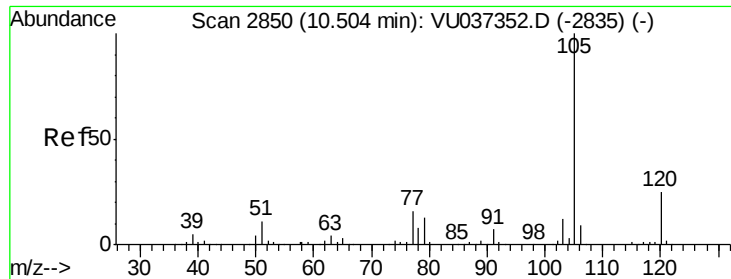
#55
Styrene
Concen: 21.397 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VU037354.D
Acq: 20 Mar 2020 18:31

Tgt Ion:104 Resp: 691631
Ion Ratio Lower Upper
104 100
78 49.1 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: 20.828 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. -0.00 min

Lab File: VU037354.D

Acq: 20 Mar 2020 18:31

Instrument :

MSVOA_U

ClientSampleId :

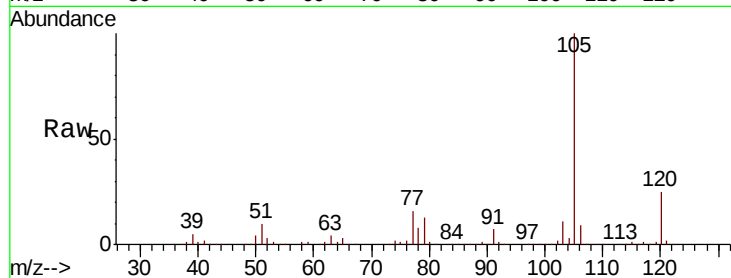
Tot Ion:105 Resp: 1113001

Ion Ratio Lower Upper

105 100

120 25.2 20.2 30.2

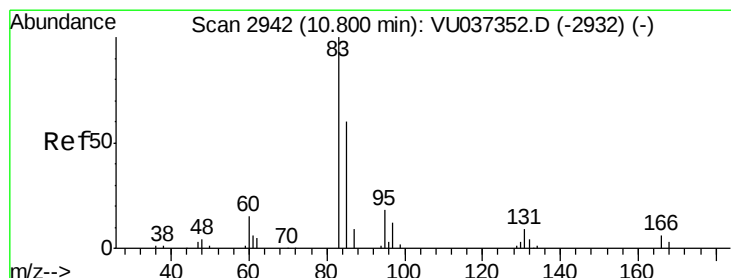
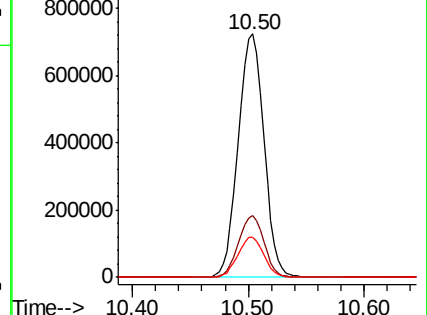
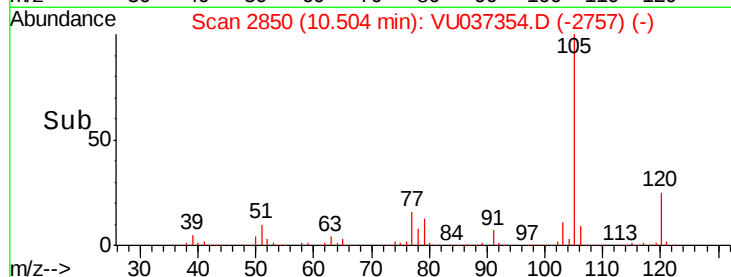
77 16.5 13.4 20.0



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: 18.767 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. -0.00 min

Lab File: VU037354.D

Acq: 20 Mar 2020 18:31

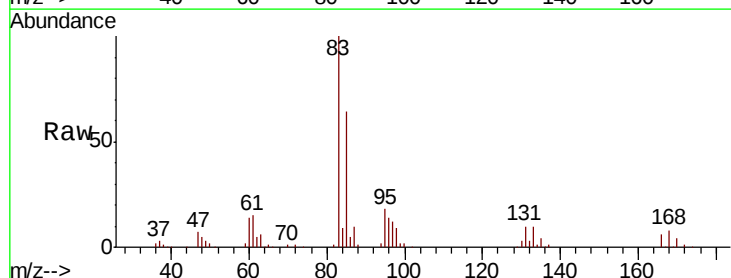
Tgt Ion: 83 Resp: 208634

Ion Ratio Lower Upper

83 100

85 63.9 43.1 80.1

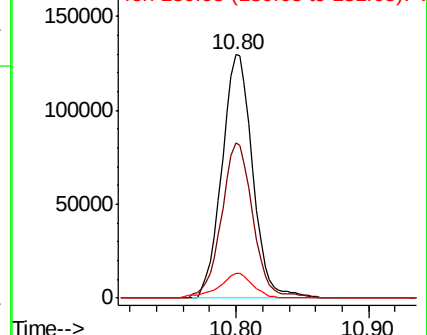
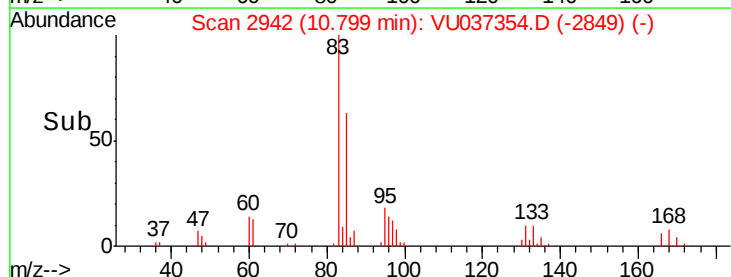
131 10.2 8.3 12.5

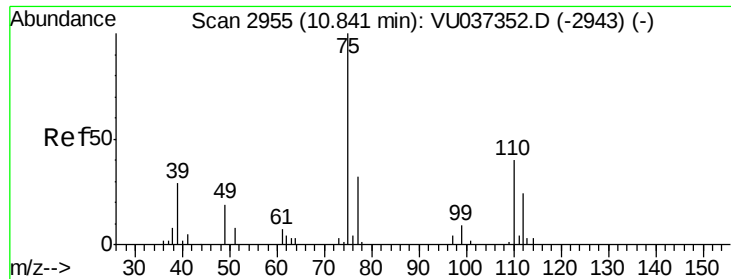


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 18.494 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. -0.00 min

Lab File: VU037354.D

Acq: 20 Mar 2020 18:31

Instrument :

MSVOA_U

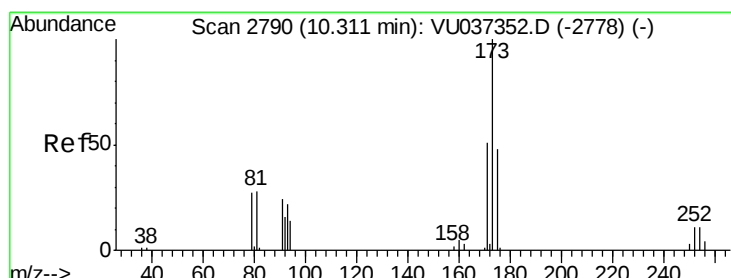
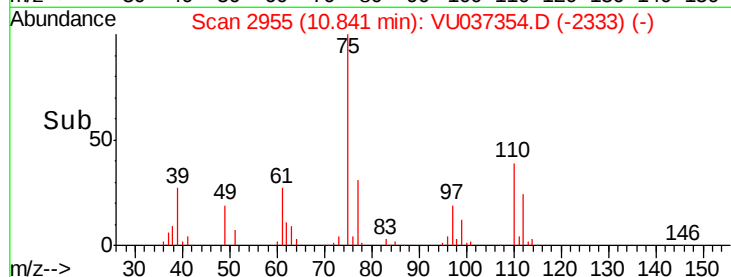
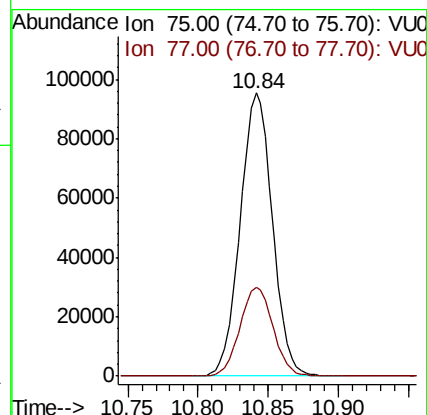
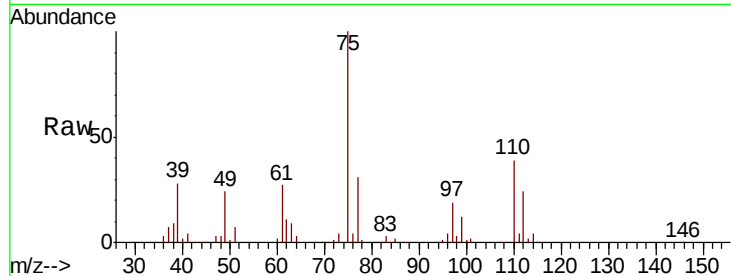
ClientSampleId :

Tot Ion: 75 Resp: 152780

Ion Ratio Lower Upper

75 100

77 32.4 26.0 39.0



#61

Bromoform

Concen: 18.448 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. -0.00 min

Lab File: VU037354.D

Acq: 20 Mar 2020 18:31

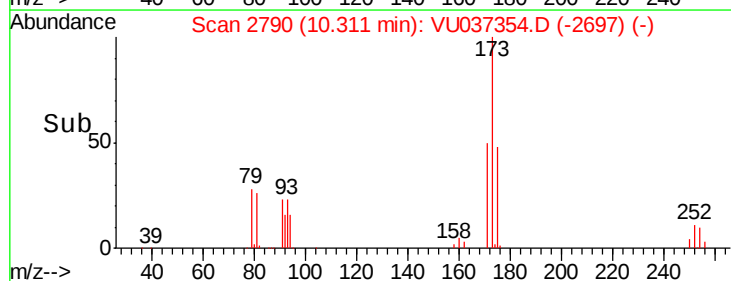
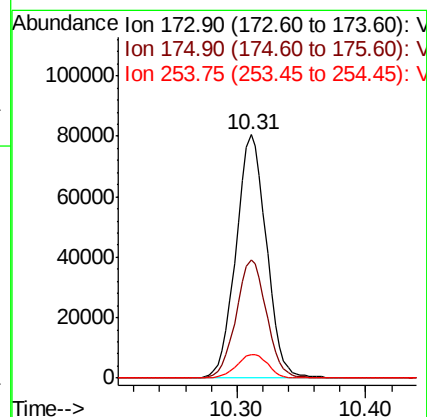
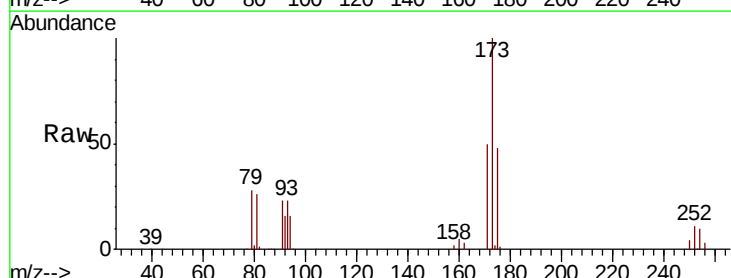
Tgt Ion: 173 Resp: 131855

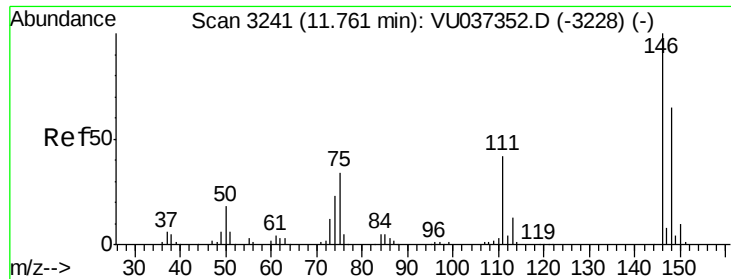
Ion Ratio Lower Upper

173 100

175 48.6 37.8 56.6

254 9.9 8.4 12.6

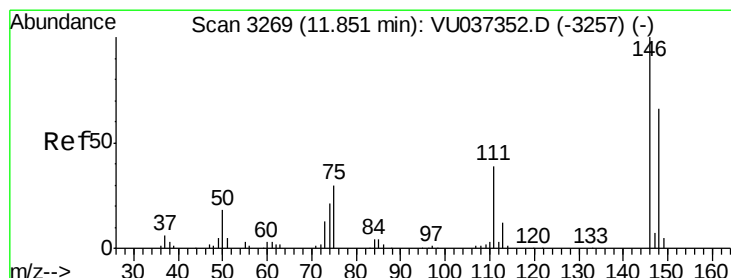
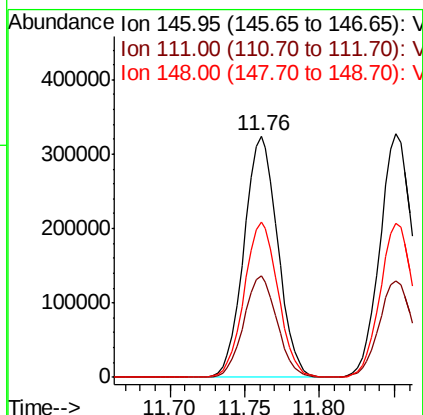
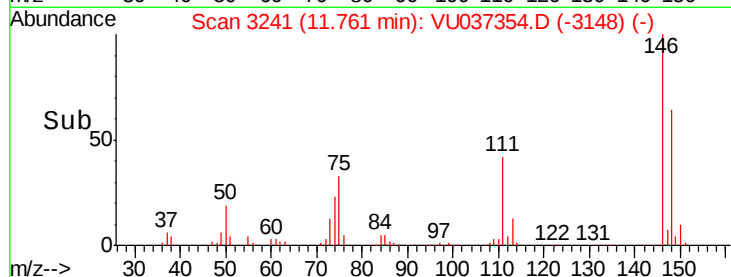
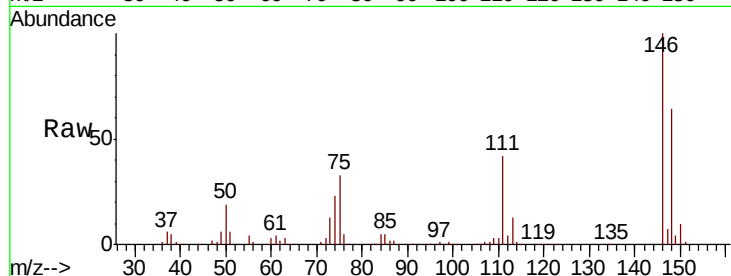




#62
 1,3-Dichlorobenzene
 Concen: 18.733 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. -0.00 min
 Lab File: VU037354.D
 Acq: 20 Mar 2020 18:31

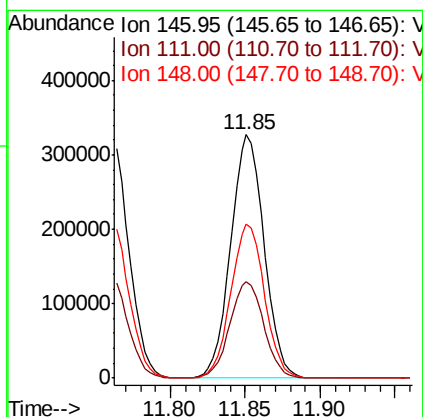
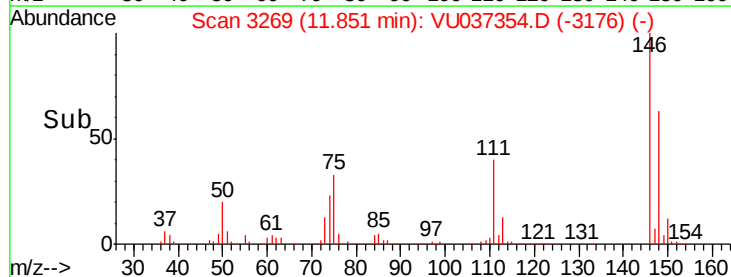
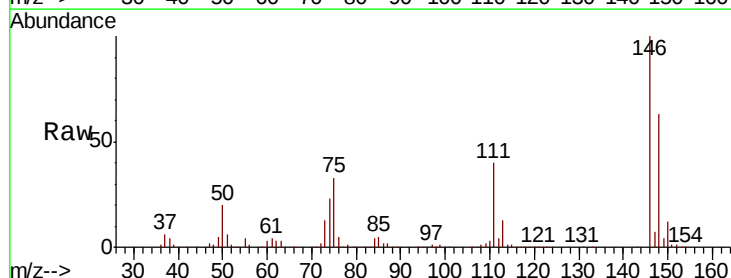
Instrument :
 MSVOA_U
 ClientSampleId :

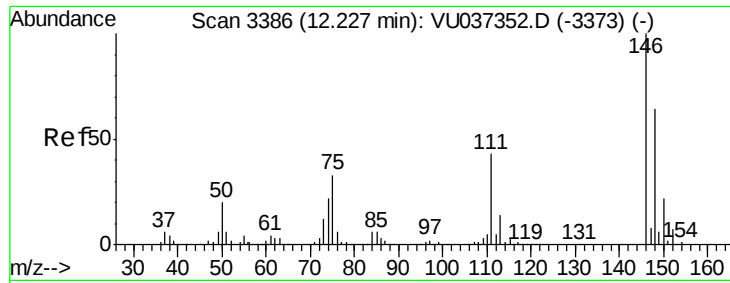
Tot Ion:146 Resp: 508014
 Ion Ratio Lower Upper
 146 100
 111 42.0 29.2 54.2
 148 64.4 45.4 84.4



#63
 1,4-Dichlorobenzene
 Concen: 18.730 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. -0.00 min
 Lab File: VU037354.D
 Acq: 20 Mar 2020 18:31

Tgt Ion:146 Resp: 507549
 Ion Ratio Lower Upper
 146 100
 111 39.8 27.4 51.0
 148 63.3 46.3 85.9





#65

1,2-Dichlorobenzene

Concen: 18.059 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. -0.00 min

Lab File: VU037354.D

Acq: 20 Mar 2020 18:31

Instrument :

MSVOA_U

ClientSampleId :

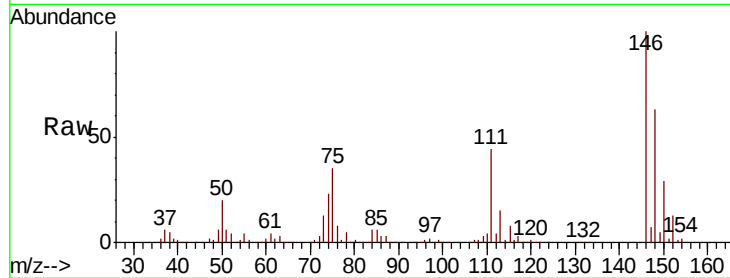
Tot Ion:146 Resp: 476238

Ion Ratio Lower Upper

146 100

111 43.6 34.7 52.1

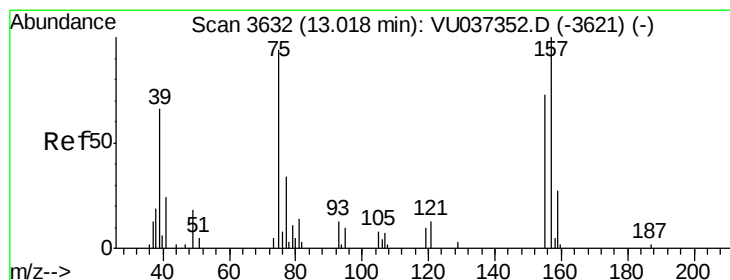
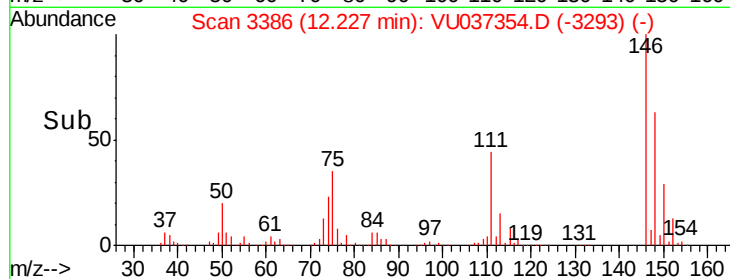
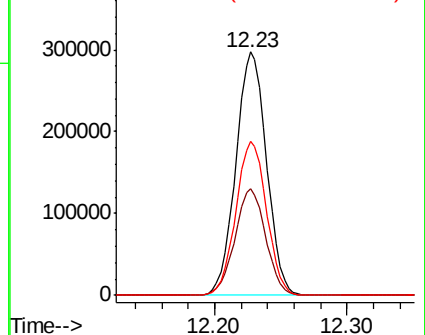
148 63.3 51.1 76.7



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



#66

1,2-Dibromo-3-chloropropane

Concen: 19.195 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. -0.00 min

Lab File: VU037354.D

Acq: 20 Mar 2020 18:31

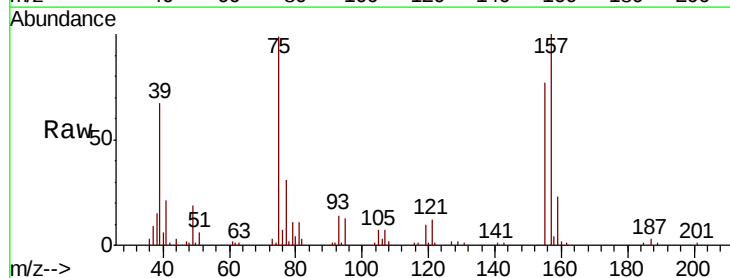
Tgt Ion: 75 Resp: 39460

Ion Ratio Lower Upper

75 100

155 78.4 62.2 93.4

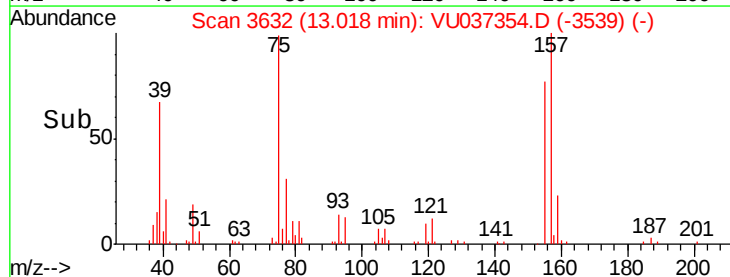
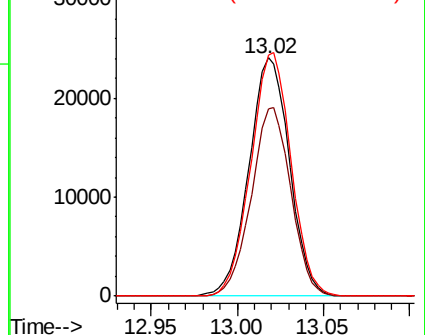
157 101.4 85.4 128.2

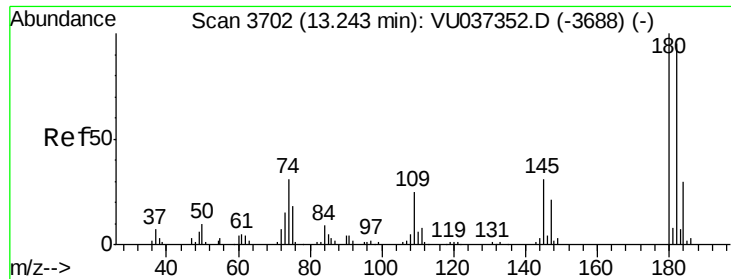


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

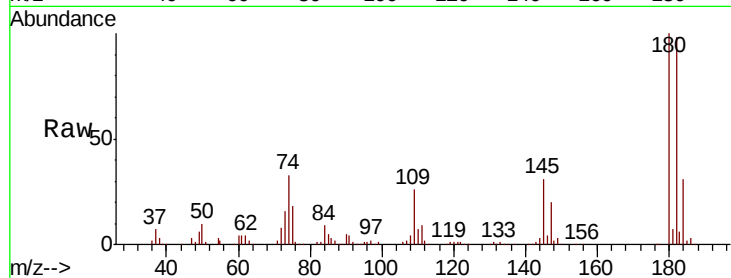




#67
 1,3,5-Trichlorobenzene
 Concen: 18.361 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. -0.00 min
 Lab File: VU037354.D
 Acq: 20 Mar 2020 18:31

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	76.4	114.6
184	31.0	24.6	37.0
145	31.5	25.0	37.6



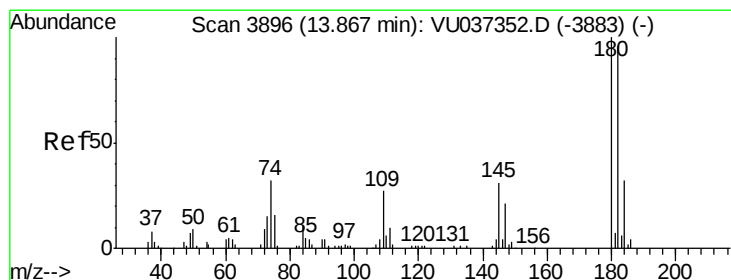
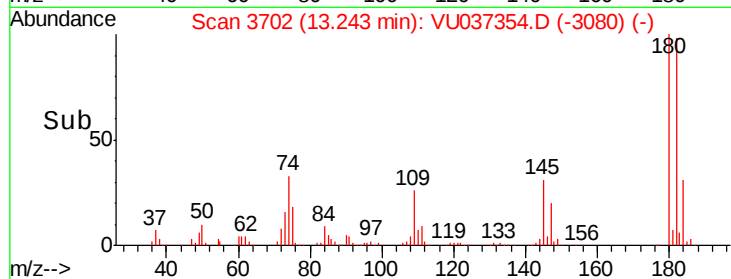
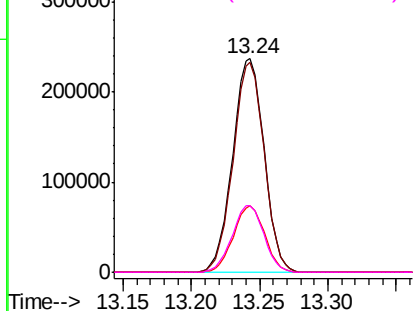
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

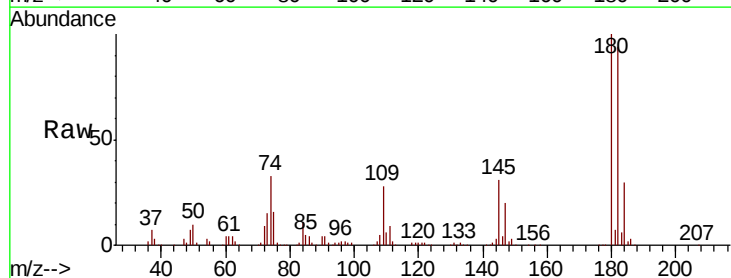
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 21.600 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. 0.00 min
 Lab File: VU037354.D
 Acq: 20 Mar 2020 18:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	77.4	116.2
145	31.5	25.3	37.9

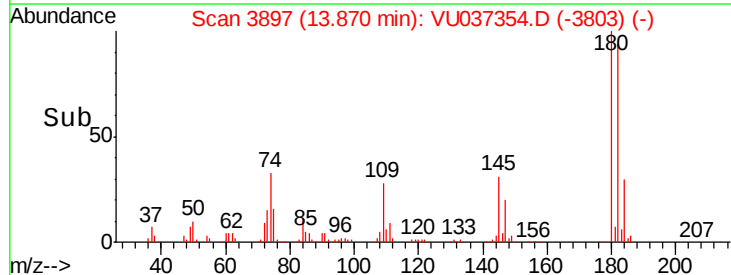
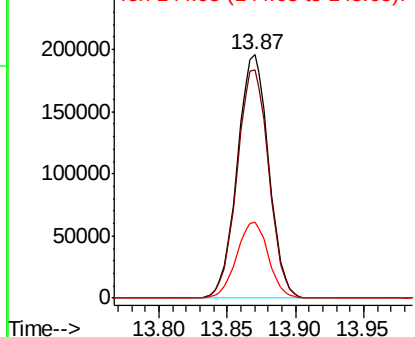


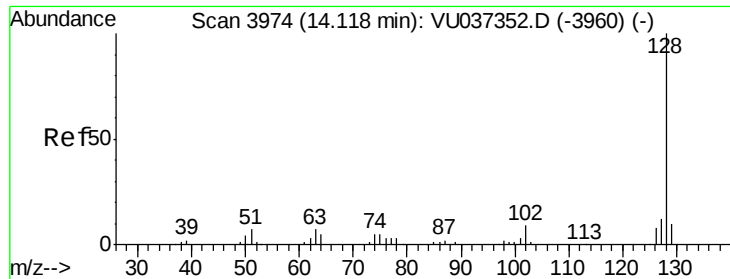
Abundance

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: 24.027 ug/L

RT: 14.12 min Scan# 3974

Delta R.T. -0.00 min

Lab File: VU037354.D

Acq: 20 Mar 2020 18:31

Instrument :

MSVOA_U

ClientSampleId :

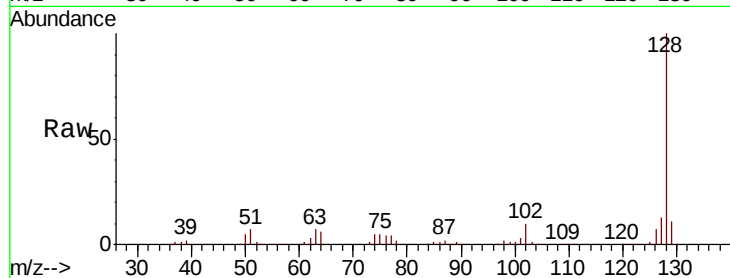
Tot Ion:128 Resp: 499832

Ion Ratio Lower Upper

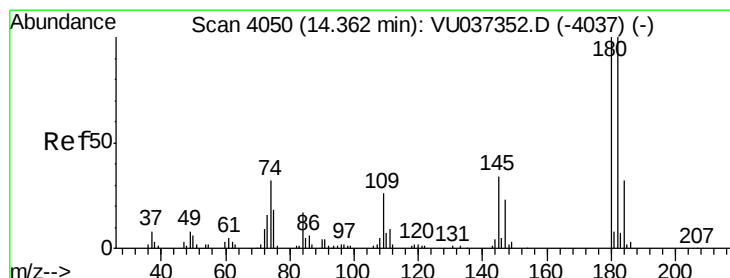
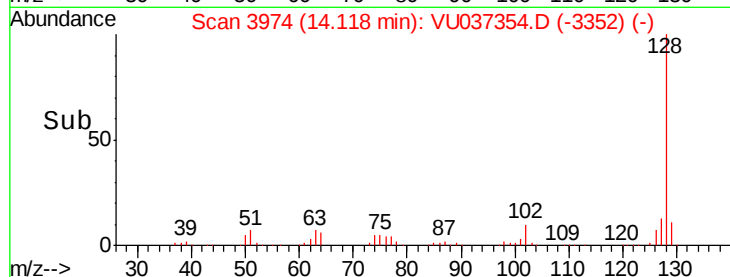
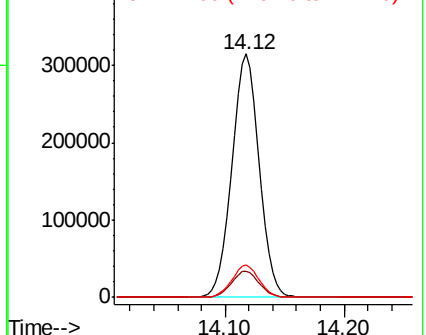
128 100

129 10.9 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: 20.199 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. -0.00 min

Lab File: VU037354.D

Acq: 20 Mar 2020 18:31

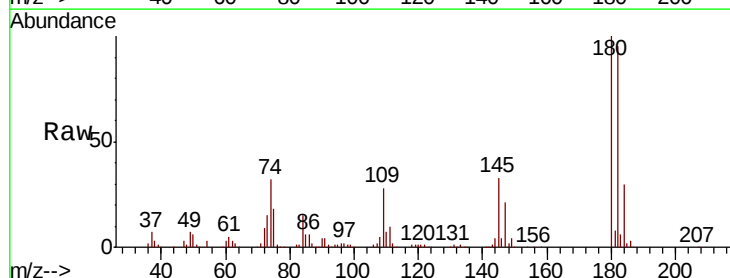
Tgt Ion:180 Resp: 283139

Ion Ratio Lower Upper

180 100

182 95.4 79.6 119.4

145 33.5 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

