

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032020\
 Data File : VU037351.D
 Acq On : 20 Mar 2020 17:17
 Operator : JC/MD
 Sample : VSTD00102
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 21 00:05:19 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	138761	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	140095	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	66324	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	9187	1.19	ug/L	0.00
7) Chloroethane-d5	1.93	69	7996	1.20	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	18643	1.15	ug/L	0.00
20) 2-Butanone-d5	4.68	46	21851	10.05	ug/L	0.00
24) Chloroform-d	5.11	84	19439	1.14	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	11455	1.15	ug/L	0.00
32) Benzene-d6	5.76	84	33548	1.10	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	11001	1.11	ug/L	0.00
41) Toluene-d8	7.93	98	33077	1.11	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	4725	1.06	ug/L	0.00
46) 2-Hexanone-d5	8.66	63	17280	9.04	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.78	84	8907	1.06	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	12685	1.14	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	16630	1.058	ug/L 98
3) Chloromethane	1.53	50	16381	1.039	ug/L 96
5) Vinyl chloride	1.61	62	15060	1.074	ug/L 94
6) Bromomethane	1.87	94	5822	0.857	ug/L 97
8) Chloroethane	1.95	64	8492	1.048	ug/L 99
9) Trichlorofluoromethane	2.15	101	22586	1.067	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	10619	1.085	ug/L 96
12) 1,1-Dichloroethene	2.60	96	9435	1.063	ug/L 95
13) Acetone	2.68	43	15010	8.485	ug/L 98
14) Carbon disulfide	2.82	76	32861	1.130	ug/L 97
15) Methyl Acetate	3.00	43	4523	1.097	ug/L 91
16) Methylene chloride	3.08	84	10202	0.962	ug/L 99
17) Methyl tert-butyl Ether	3.41	73	24773	0.989	ug/L 97
18) trans-1,2-Dichloroethene	3.39	96	10112	1.050	ug/L 97
19) 1,1-Dichloroethane	3.91	63	19415	1.018	ug/L 98
21) 2-Butanone	4.77	43	26246	9.214	ug/L 96
22) cis-1,2-Dichloroethene	4.71	96	11215	1.064	ug/L 88
23) Bromochloromethane	5.01	128	5162	1.083	ug/L 96
25) Chloroform	5.13	83	21807	1.047	ug/L 94
27) 1,2-Dichloroethane	5.83	62	14960	1.029	ug/L 99
29) 1,1,1-Trichloroethane	5.36	97	19139	1.011	ug/L 98
30) Cyclohexane	5.42	56	15802	0.936	ug/L 99
31) Carbon tetrachloride	5.56	117	16308	0.977	ug/L 100
33) Benzene	5.81	78	41205	0.991	ug/L 100
34) Trichloroethene	6.57	95	11515	1.018	ug/L 95
35) Methylcyclohexane	6.79	83	16361	0.961	ug/L 98
37) 1,2-Dichloropropane	6.83	63	10974	1.001	ug/L 99
38) Bromodichloromethane	7.13	83	14914	0.969	ug/L 96
39) cis-1,3-Dichloropropene	7.64	75	15253	0.925	ug/L 100
40) 4-Methyl-2-pentanone	7.83	43	64330	8.883	ug/L 99

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 ALS Vial : 8 Sample Multiplier: 1

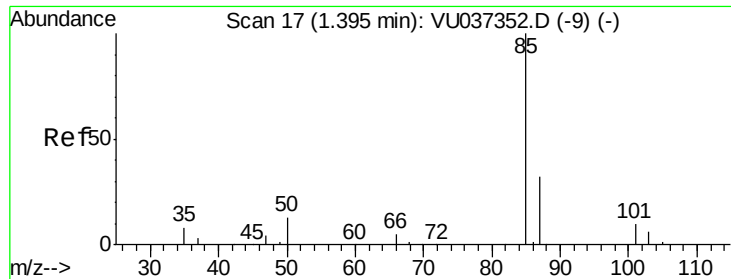
Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 21 00:05:19 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	43383	0.968	ug/L	98
44) trans-1,3-Dichloropropene	8.24	75	14165	1.009	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	7869	0.999	ug/L	96
47) Tetrachloroethene	8.58	164	9760	1.108	ug/L	86
48) 2-Hexanone	8.72	43	44746	8.379	ug/L	98
49) Dibromochloromethane	8.83	129	10008	0.977	ug/L	98
50) 1,2-Dibromoethane	8.95	107	7546	0.979	ug/L #	94
51) Chlorobenzene	9.47	112	28723	0.992	ug/L	98
52) Ethylbenzene	9.59	91	46722	0.922	ug/L	97
53) m,p-Xylene	9.72	106	17612	0.942	ug/L	100
54) o-Xylene	10.12	106	16747	0.943	ug/L	96
55) Styrene	10.13	104	25986	0.863	ug/L	96
56) Isopropylbenzene	10.50	105	46173	0.928	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	9896	0.956	ug/L	96
59) 1,2,3-Trichloropropane	10.84	75	7421	0.965	ug/L	98
61) Bromoform	10.31	173	5906	1.019	ug/L	97
62) 1,3-Dichlorobenzene	11.76	146	22146	1.007	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	22738	1.034	ug/L	96
65) 1,2-Dichlorobenzene	12.23	146	21635	1.011	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.02	75	1688	1.012	ug/L #	79
67) 1,3,5-Trichlorobenzene	13.24	180	16053	0.959	ug/L	97
68) 1,2,4-trichlorobenzene	13.87	180	11061	0.941	ug/L	99
69) Naphthalene	14.12	128	12392	0.734	ug/L	96
70) 1,2,3-Trichlorobenzene	14.37	180	10603	0.933	ug/L	95

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



#2

Dichlorodifluoromethane

Concen: 1.058 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU037351.D

Acq: 20 Mar 2020 17:17

Instrument :

MSVOA_U

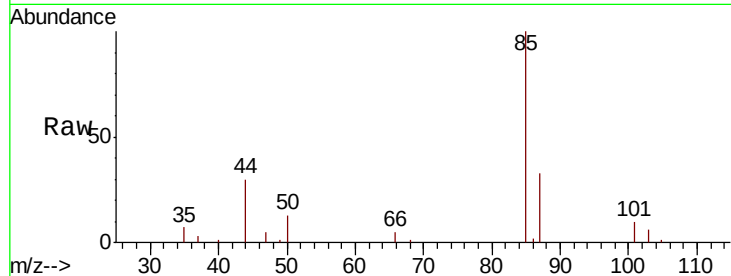
ClientSampleId :

Tot Ion: 85 Resp: 16630

Ion Ratio Lower Upper

85 100

87 33.1 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VU037351.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU037351.D (-9) (-)

1.39

15000

10000

5000

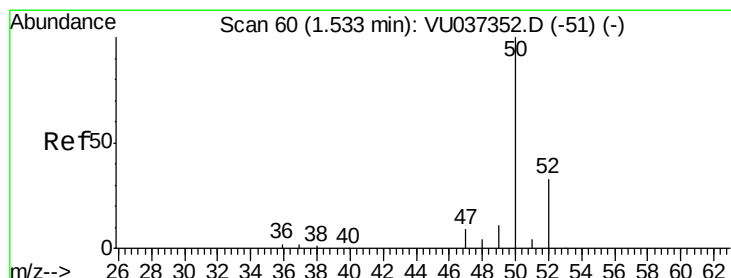
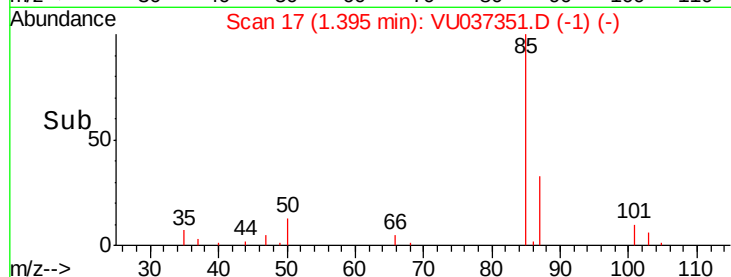
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Time-->

1.35

1.40

1.45



#3

Chloromethane

Concen: 1.039 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU037351.D

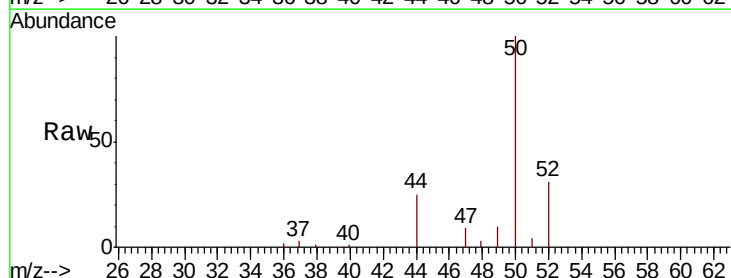
Acq: 20 Mar 2020 17:17

Tgt Ion: 50 Resp: 16381

Ion Ratio Lower Upper

50 100

52 30.6 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU037351.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU037351.D (-51) (-)

1.53

15000

10000

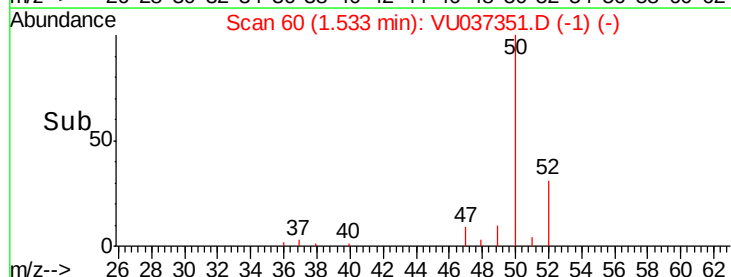
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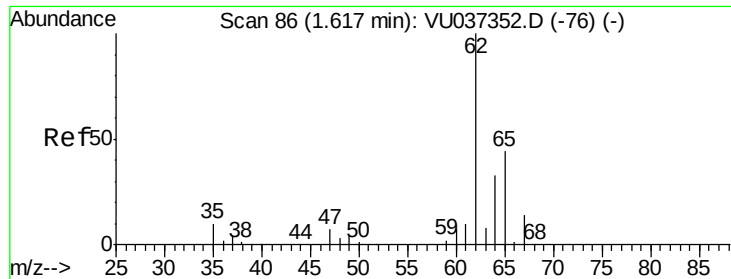
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Time-->

1.50

1.55





#5

Vinyl chloride

Concen: 1.074 ug/L

RT: 1.61 min Scan# 85

Delta R.T. -0.00 min

Lab File: VU037351.D

Acq: 20 Mar 2020 17:17

Instrument :

MSVOA_U

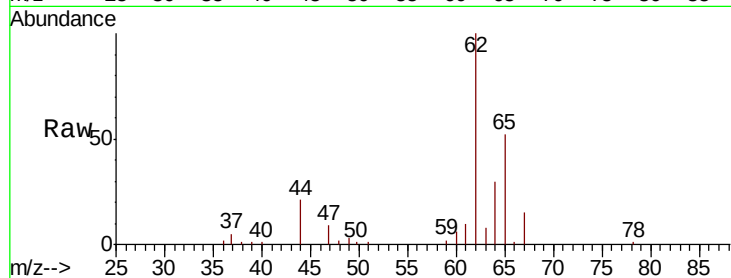
ClientSampleId :

Tot Ion: 62 Resp: 15060

Ion Ratio Lower Upper

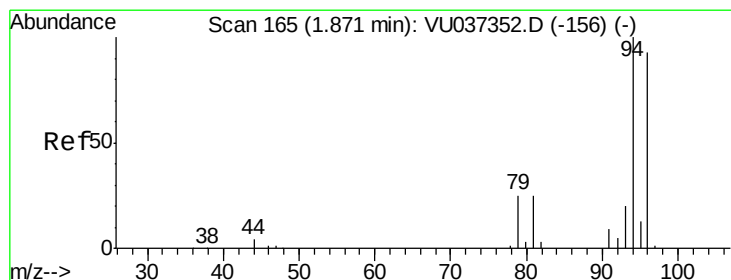
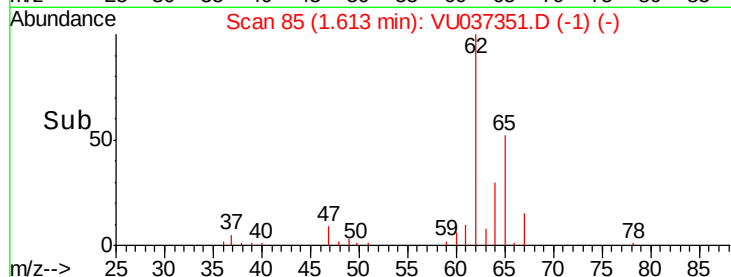
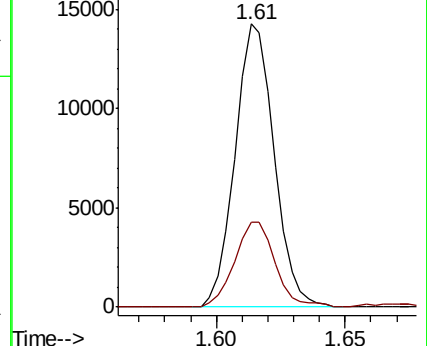
62 100

64 29.9 23.2 43.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 0.857 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU037351.D

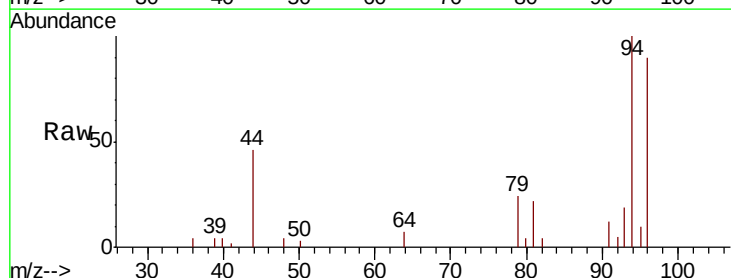
Acq: 20 Mar 2020 17:17

Tgt Ion: 94 Resp: 5822

Ion Ratio Lower Upper

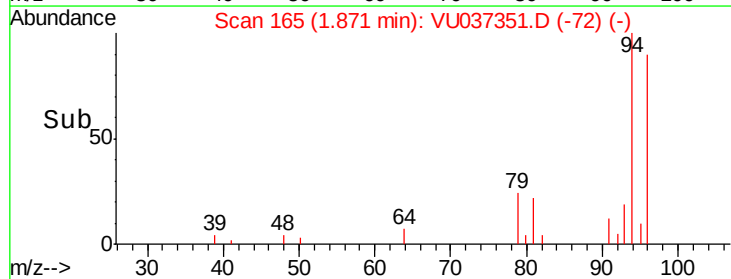
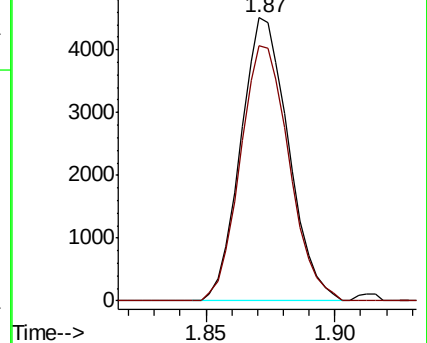
94 100

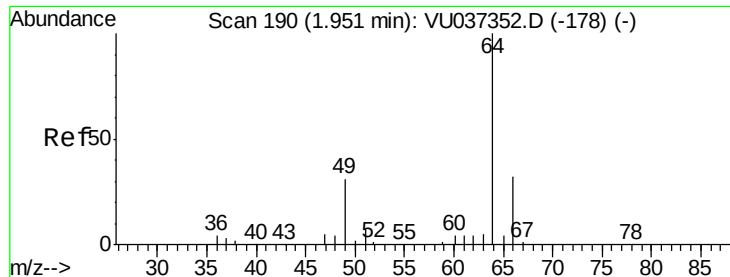
96 90.2 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

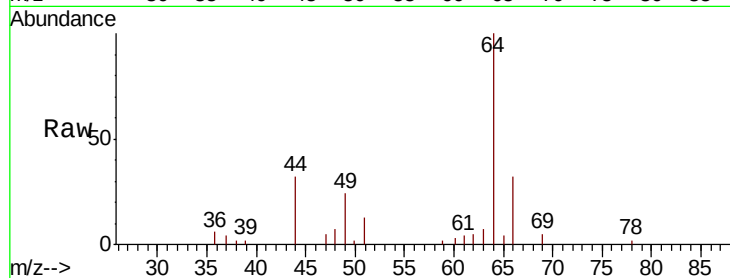




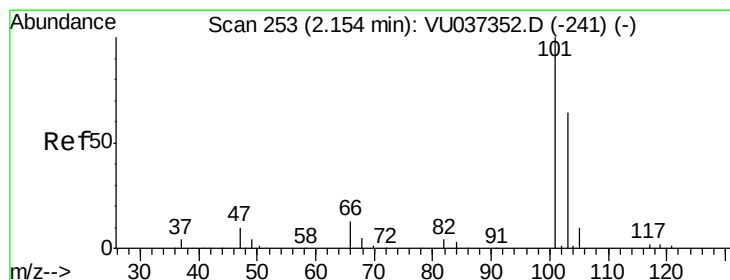
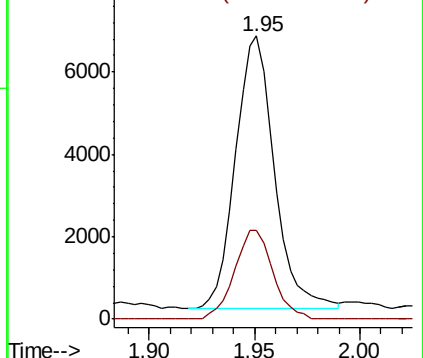
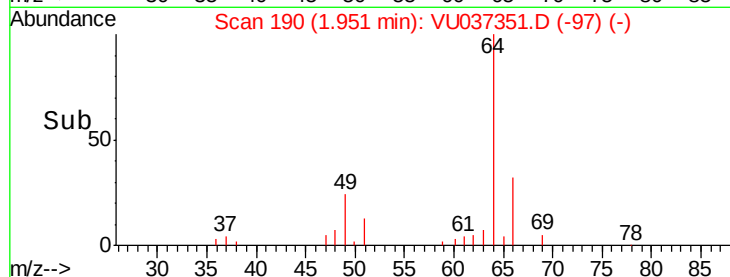
#8
Chloroethane
Concen: 1.048 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU037351.D
Acq: 20 Mar 2020 17:17

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 64 Resp: 8492
Ion Ratio Lower Upper
64 100
66 31.5 21.8 40.6

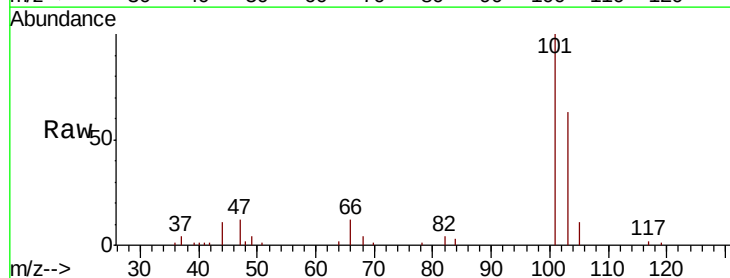


Abundance Ion 64.10 (63.80 to 64.80): VU037351.D (-97) (-)
Ion 66.05 (65.75 to 66.75): VU037351.D (-97) (-)

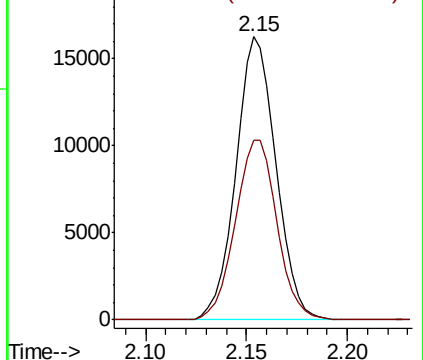
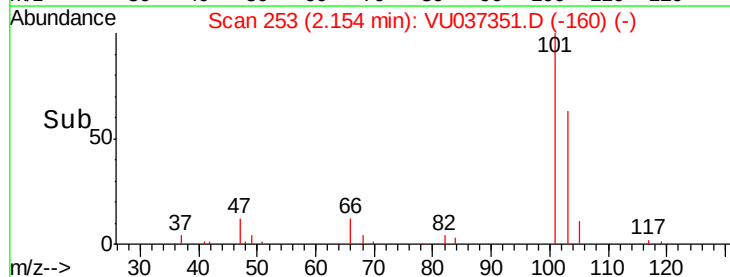


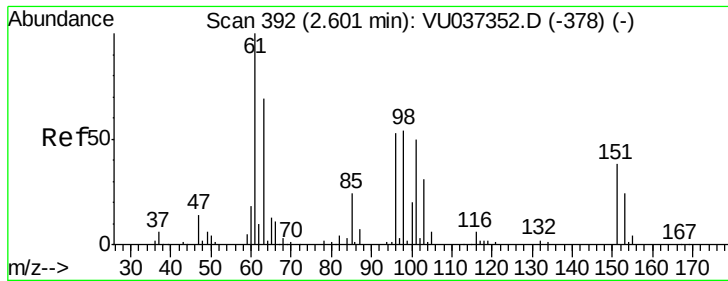
#9
Trichlorofluoromethane
Concen: 1.067 ug/L
RT: 2.15 min Scan# 253
Delta R.T. -0.00 min
Lab File: VU037351.D
Acq: 20 Mar 2020 17:17

Tgt Ion:101 Resp: 22586
Ion Ratio Lower Upper
101 100
103 66.1 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VU037351.D (-160) (-)
Ion 103.00 (102.70 to 103.70): VU037351.D (-160) (-)





#10

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

Concen: 1.085 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037351.D

Acq: 20 Mar 2020 17:17

Instrument :

MSVOA_U

ClientSampled :

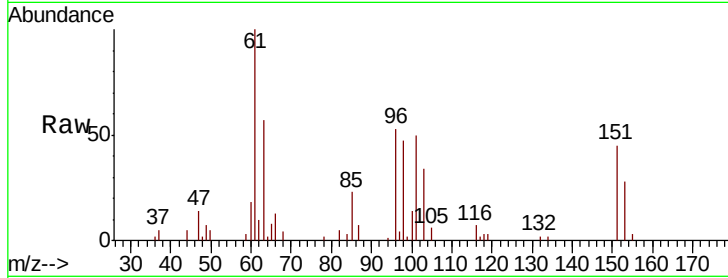
Tot Ion:101 Resp: 10619

Ion Ratio Lower Upper

101 100

85 48.2 39.0 58.4

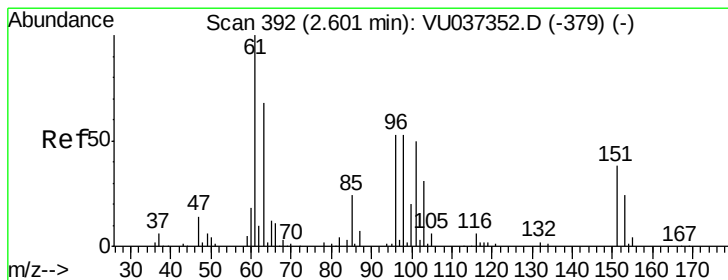
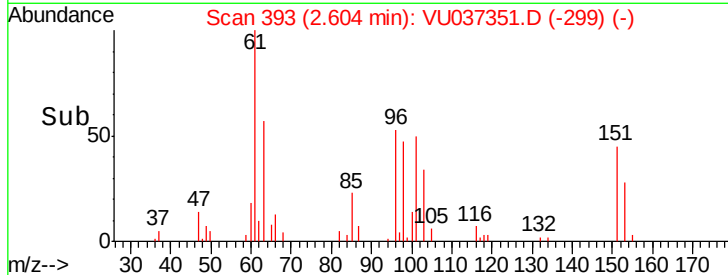
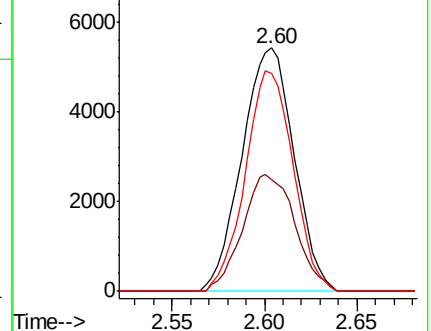
151 82.9 62.2 93.2



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: 1.063 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU037351.D

Acq: 20 Mar 2020 17:17

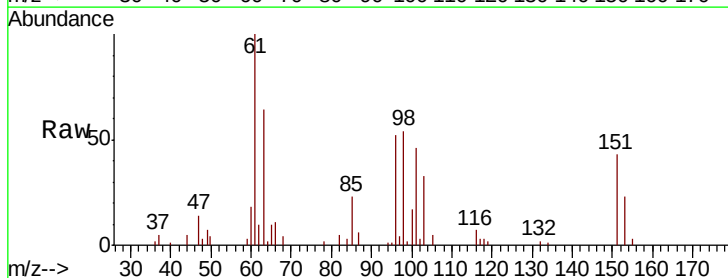
Tgt Ion: 96 Resp: 9435

Ion Ratio Lower Upper

96 100

61 192.8 131.7 244.5

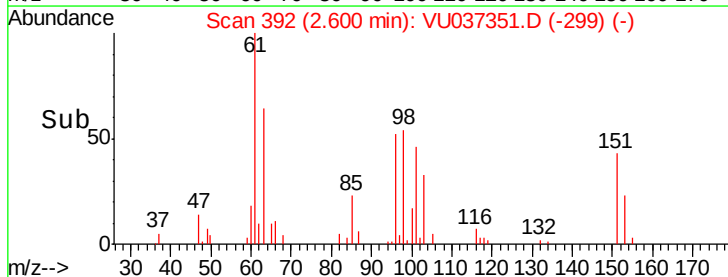
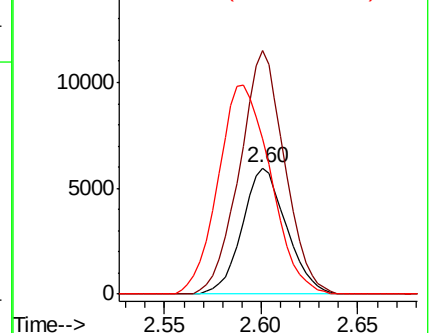
63 122.7 91.4 169.8

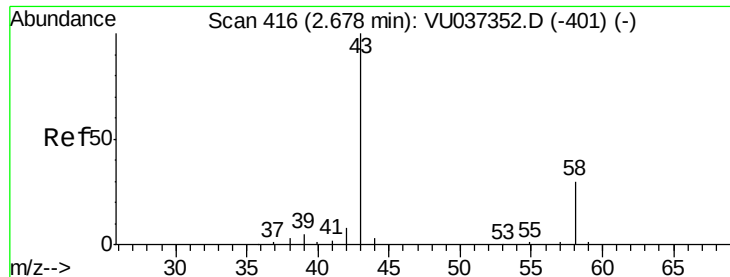


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 8.485 ug/L

RT: 2.68 min Scan# 417

Delta R.T. 0.00 min

Lab File: VU037351.D

Acq: 20 Mar 2020 17:17

Instrument :

MSVOA_U

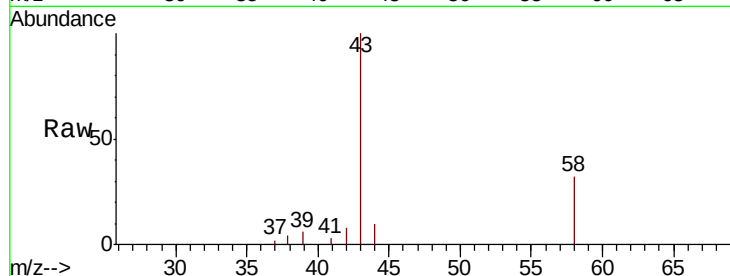
ClientSampleId :

Tot Ion: 43 Resp: 15010

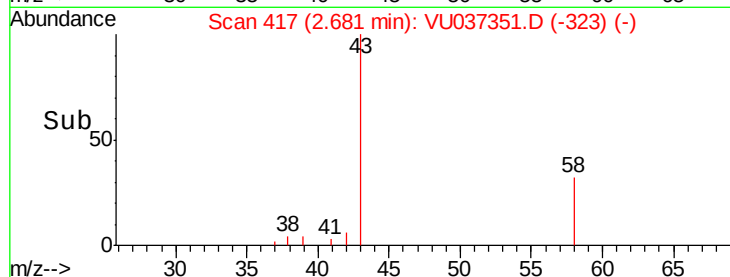
Ion Ratio Lower Upper

43 100

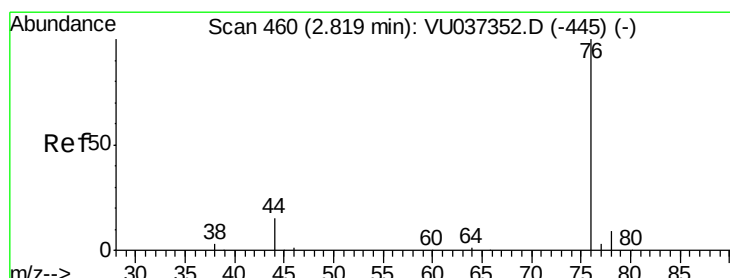
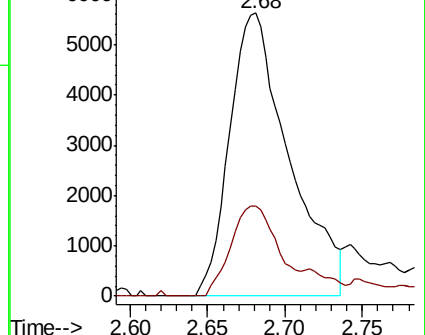
58 25.4 0.0 52.4



Abundance Ion 43.05 (42.75 to 43.75): VU037351.D (-323) (-)



Ion 58.05 (57.75 to 58.75): VU037351.D (-323) (-)



#14

Carbon disulfide

Concen: 1.130 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU037351.D

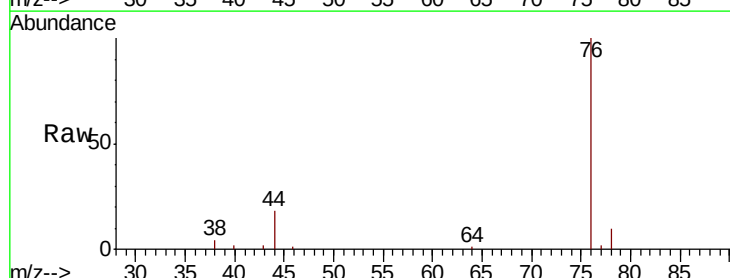
Acq: 20 Mar 2020 17:17

Tgt Ion: 76 Resp: 32861

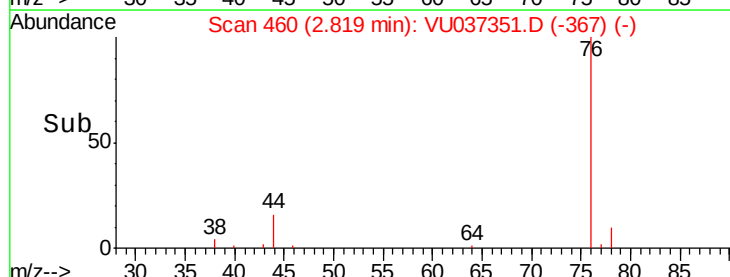
Ion Ratio Lower Upper

76 100

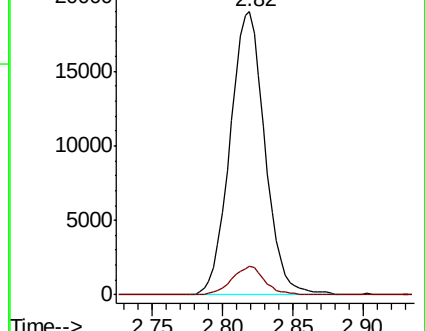
78 9.9 7.0 10.4

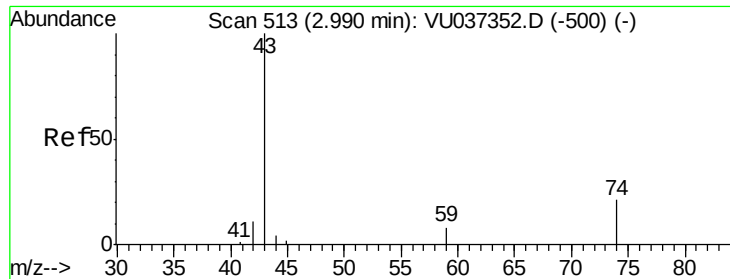


Abundance Ion 76.05 (75.75 to 76.75): VU037351.D (-367) (-)



Ion 78.00 (77.70 to 78.70): VU037351.D (-367) (-)

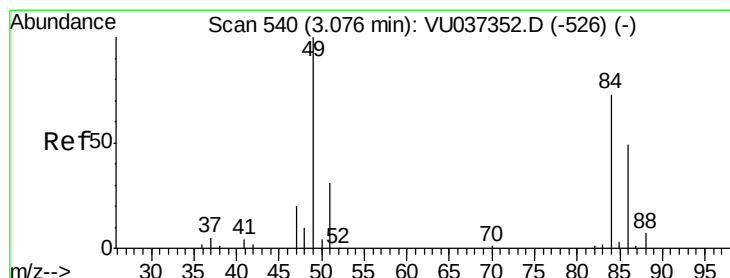
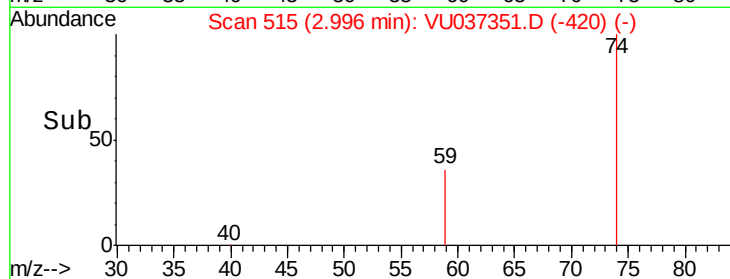
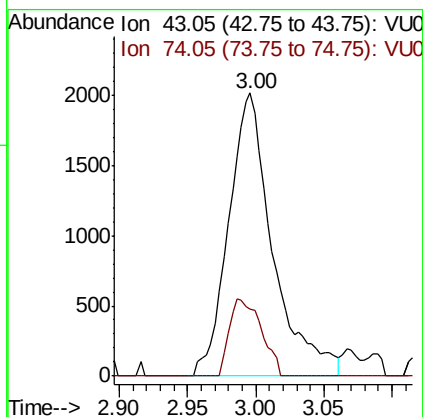
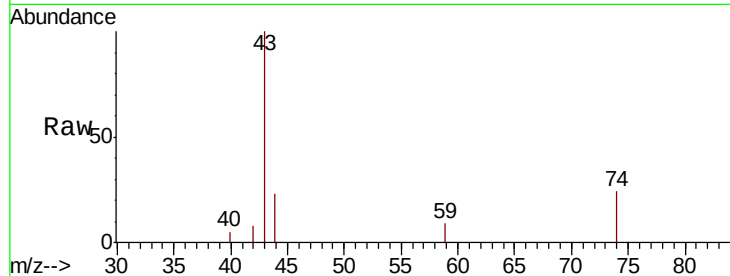




#15
Methvl Acetate
Concen: 1.097 ug/L
RT: 3.00 min Scan# 515
Delta R.T. 0.01 min
Lab File: VU037351.D
Acq: 20 Mar 2020 17:17

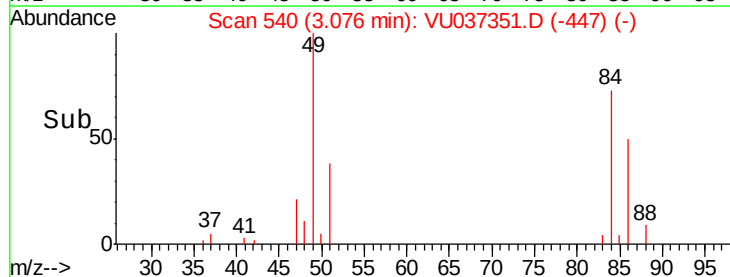
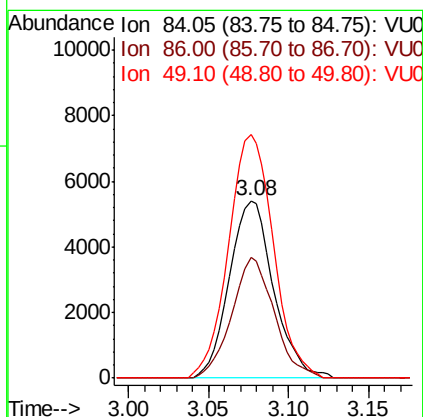
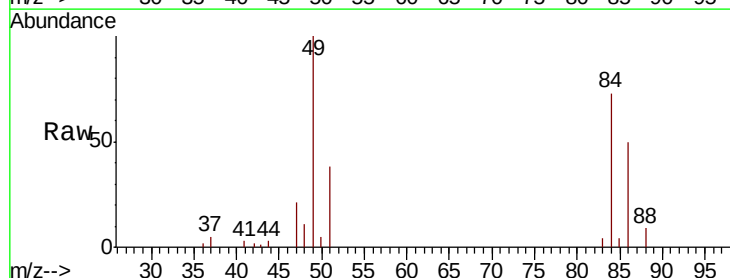
Instrument :
MSVOA_U
ClientSampleId :

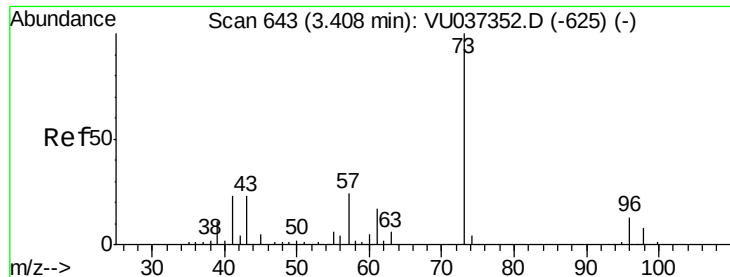
Tot Ion: 43 Resp: 4523
Ion Ratio Lower Upper
43 100
74 19.8 19.5 29.3



#16
Methylene chloride
Concen: 0.962 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU037351.D
Acq: 20 Mar 2020 17:17

Tgt Ion: 84 Resp: 10202
Ion Ratio Lower Upper
84 100
86 67.9 46.8 87.0
49 137.1 95.4 177.2

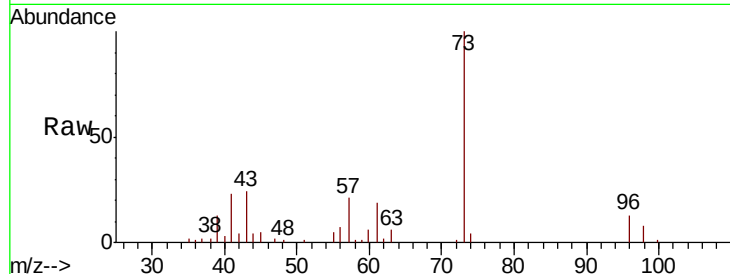




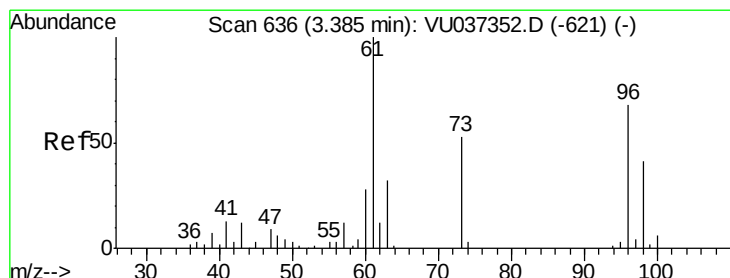
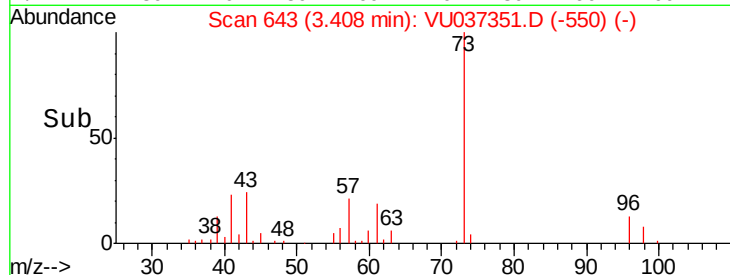
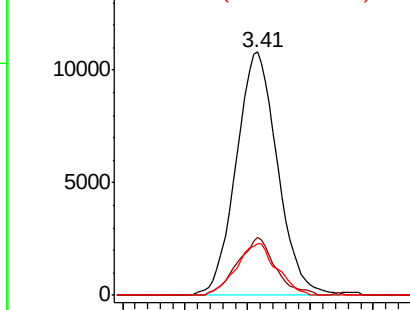
#17
Methyl tert-butyl Ether
Concen: 0.989 ug/L
RT: 3.41 min Scan# 643
Delta R.T. -0.00 min
Lab File: VU037351.D
Acq: 20 Mar 2020 17:17

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 73 Resp: 24773
Ion Ratio Lower Upper
73 100
43 21.8 18.2 27.2
57 20.7 17.9 26.9

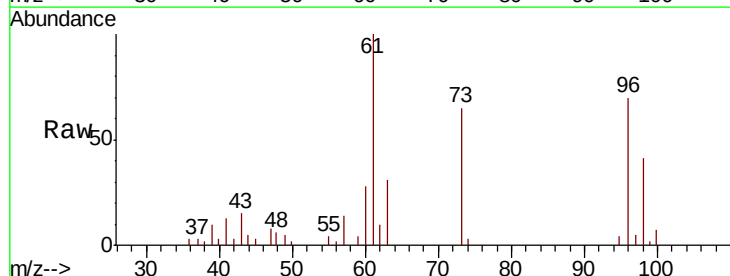


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

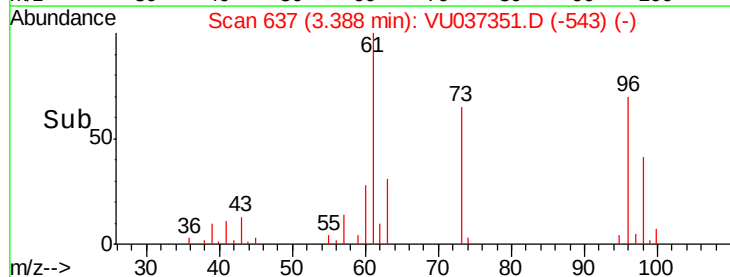
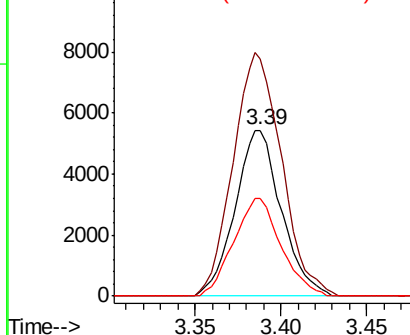


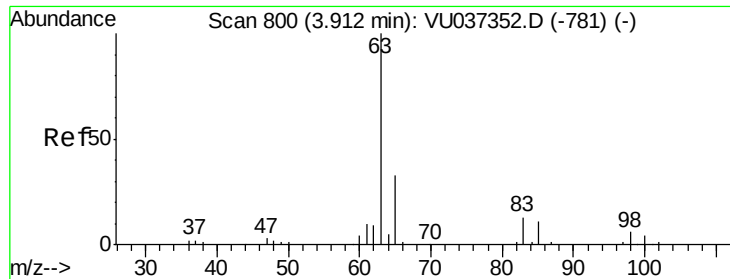
#18
trans-1,2-Dichloroethene
Concen: 1.050 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU037351.D
Acq: 20 Mar 2020 17:17

Tgt Ion: 96 Resp: 10112
Ion Ratio Lower Upper
96 100
61 142.9 103.5 192.1
98 58.8 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

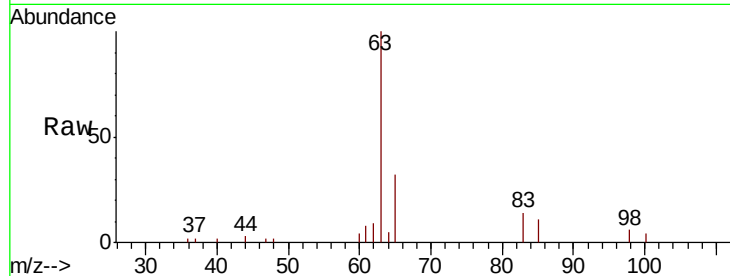




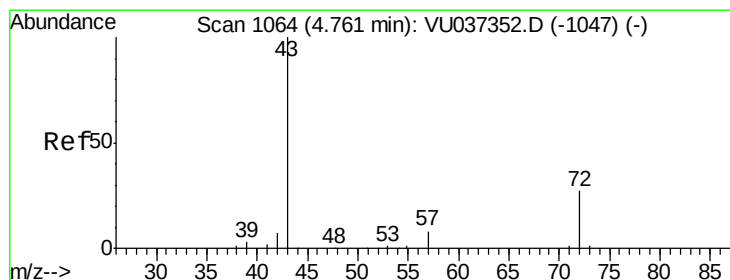
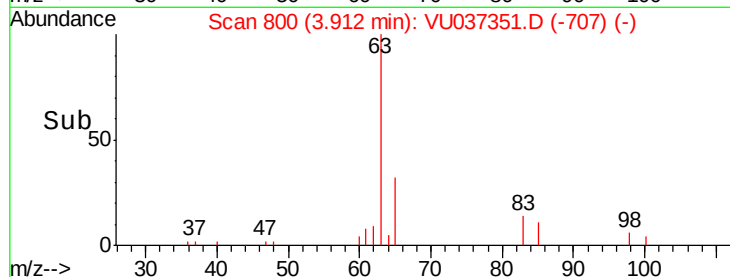
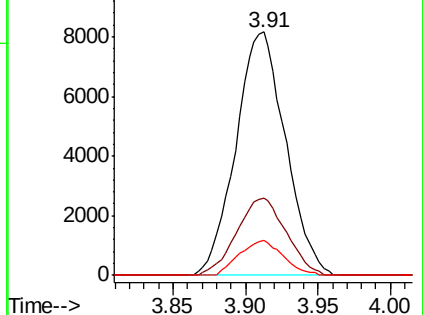
#19
 1,1-Dichloroethane
 Concen: 1.018 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. -0.00 min
 Lab File: VU037351.D
 Acq: 20 Mar 2020 17:17

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 63 Resp: 19415
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.9 42.5
 83 14.4 9.2 17.0

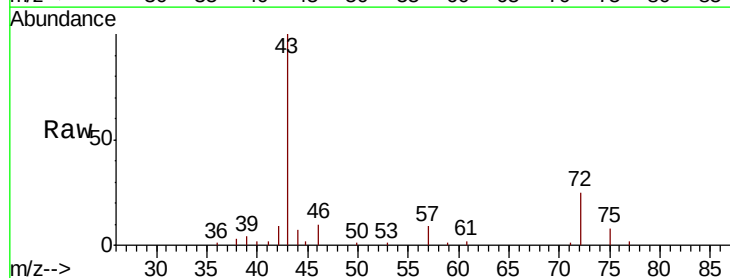


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

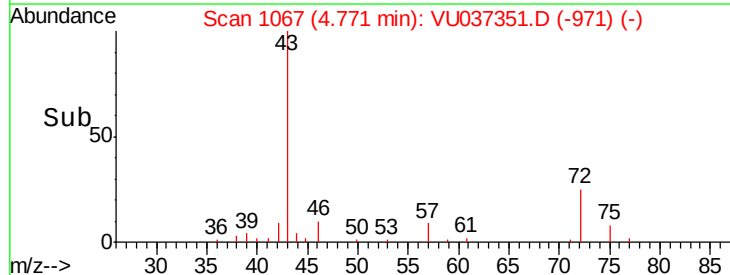
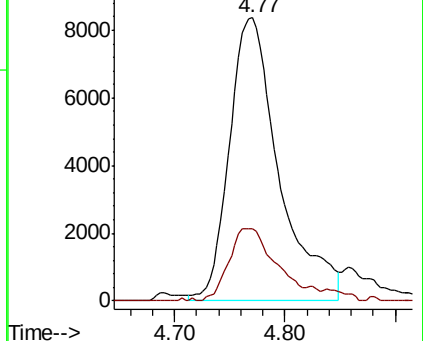


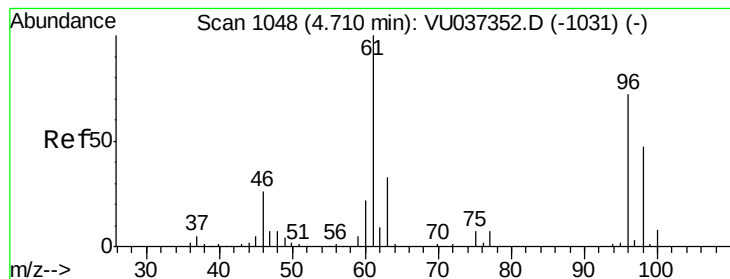
#21
 2-Butanone
 Concen: 9.214 ug/L
 RT: 4.77 min Scan# 1067
 Delta R.T. 0.01 min
 Lab File: VU037351.D
 Acq: 20 Mar 2020 17:17

Tgt Ion: 43 Resp: 26246
 Ion Ratio Lower Upper
 43 100
 72 23.7 12.9 38.6



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 1.064 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. -0.00 min

Lab File: VU037351.D

Acq: 20 Mar 2020 17:17

Instrument :

MSVOA_U

ClientSampleId :

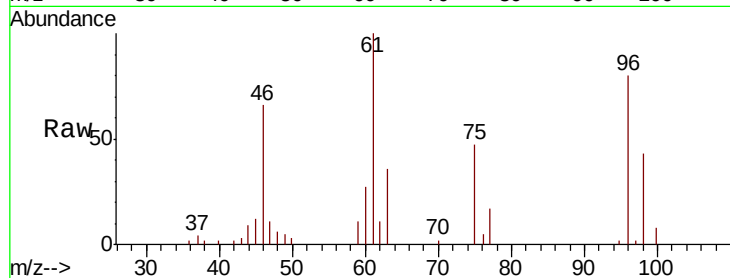
Tot Ion: 96 Resp: 11215

Ion Ratio Lower Upper

96 100

61 125.2 97.6 181.4

68 0.0 0.0 0.0

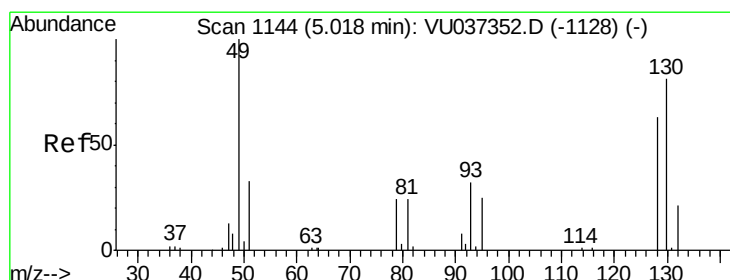
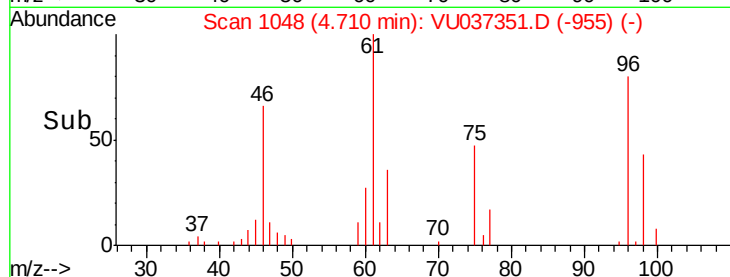
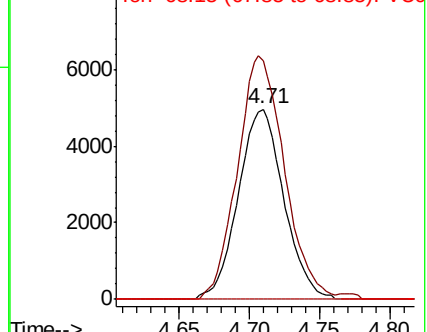


Abundance

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: 1.083 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VU037351.D

Acq: 20 Mar 2020 17:17

Tgt Ion:128 Resp: 5162

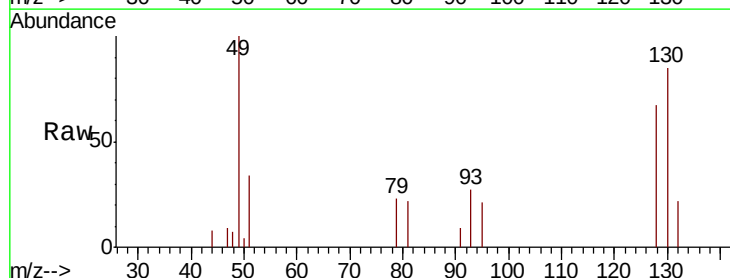
Ion Ratio Lower Upper

128 100

49 149.5 110.7 205.7

130 127.0 89.2 165.6

51 50.2 42.1 63.1



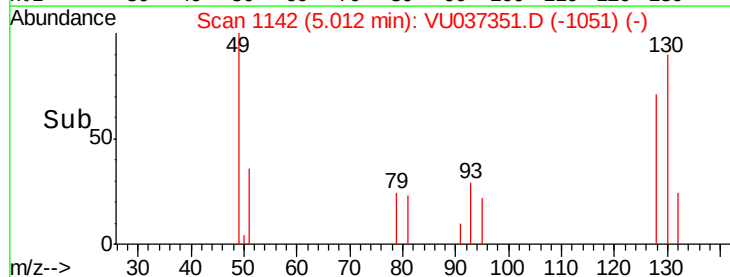
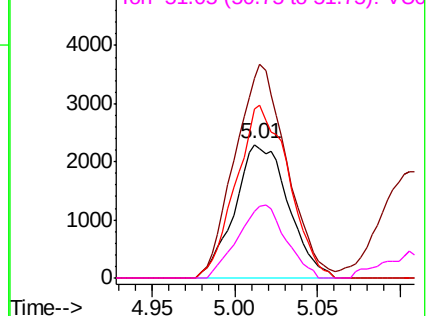
Abundance

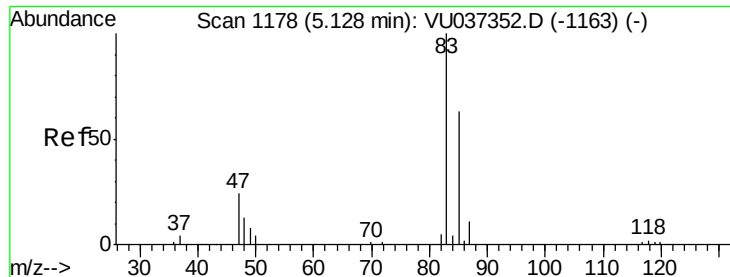
Ion 127.90 (127.60 to 128.60): V

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

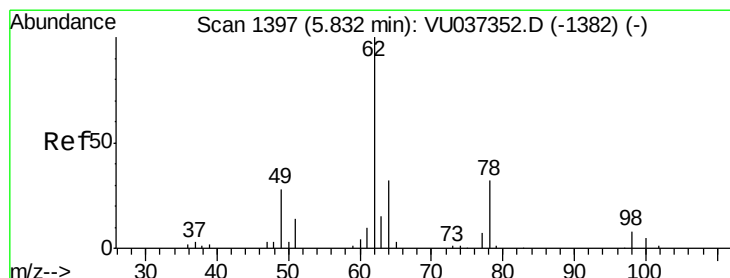
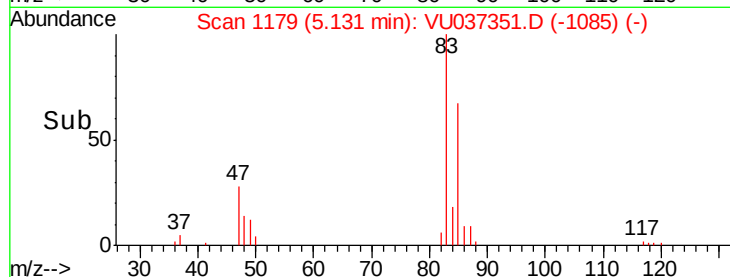
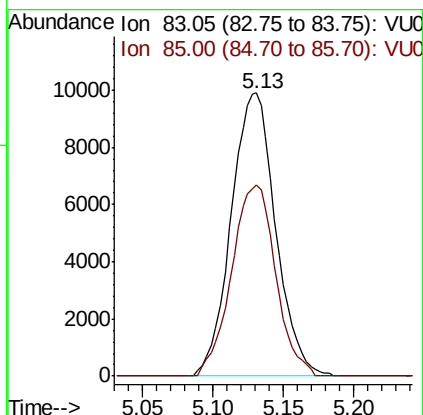
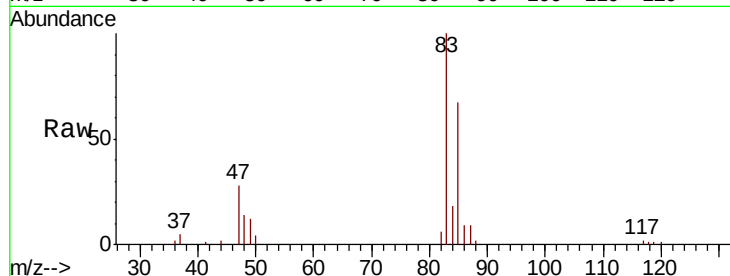




#25
Chloroform
Concen: 1.047 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU037351.D
Acq: 20 Mar 2020 17:17

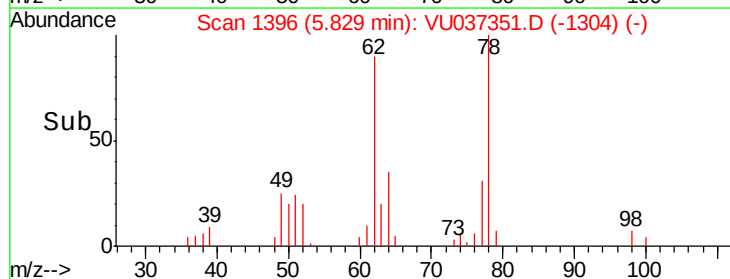
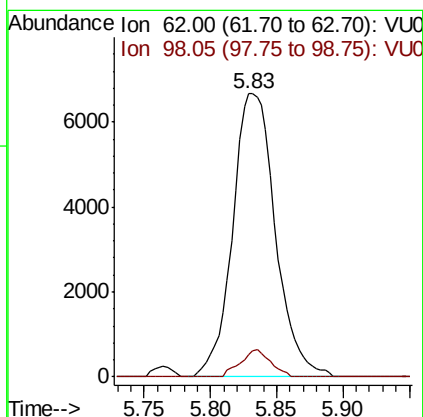
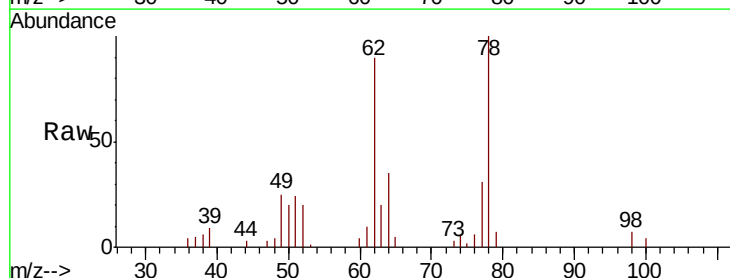
Instrument :
MSVOA_U
ClientSampleId :

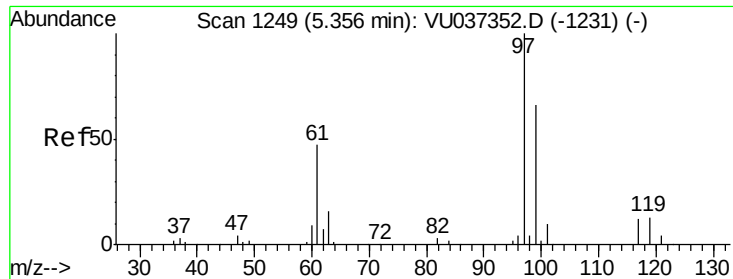
Tot Ion: 83 Resp: 21807
Ion Ratio Lower Upper
83 100
85 67.4 44.1 81.9



#27
1,2-Dichloroethane
Concen: 1.029 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU037351.D
Acq: 20 Mar 2020 17:17

Tgt Ion: 62 Resp: 14960
Ion Ratio Lower Upper
62 100
98 7.7 6.4 9.6

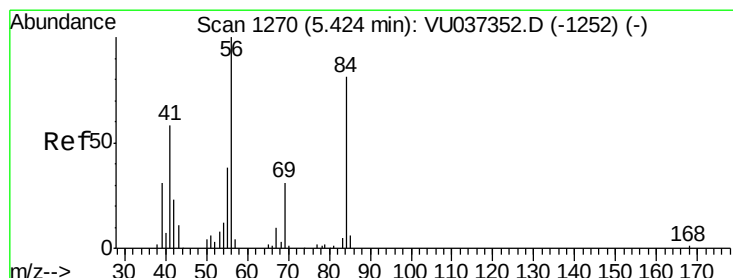
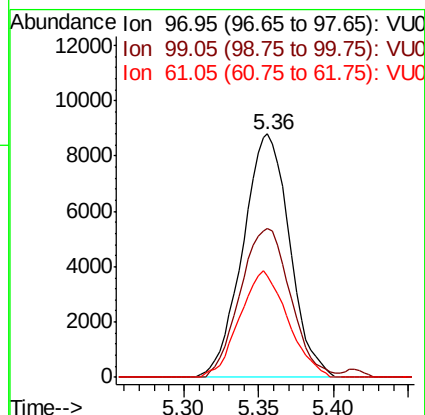
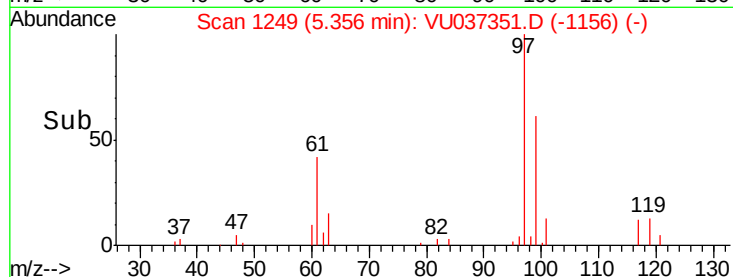
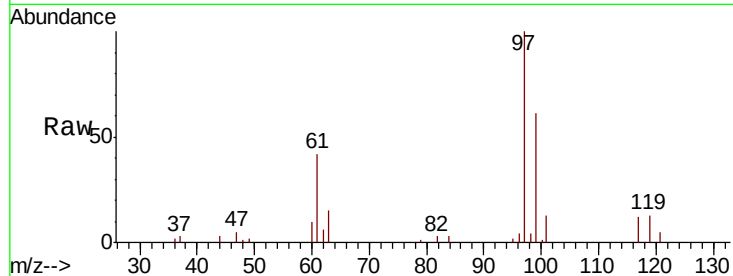




#29
 1,1,1-Trichloroethane
 Concen: 1.011 ug/L
 RT: 5.36 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VU037351.D
 Acq: 20 Mar 2020 17:17

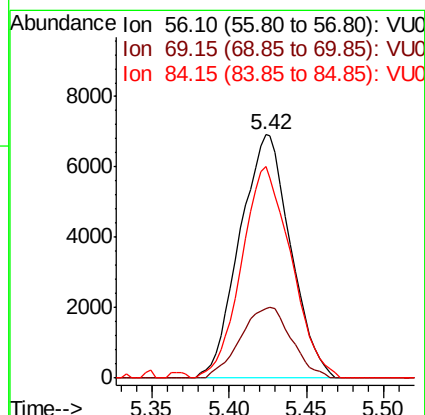
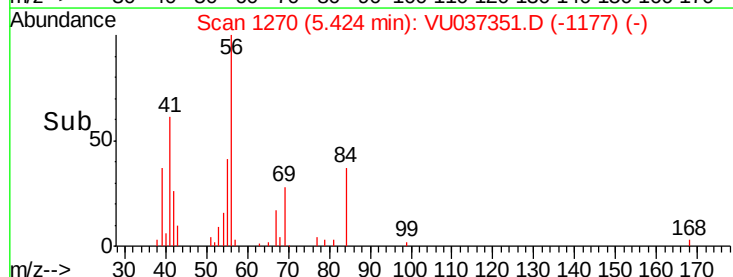
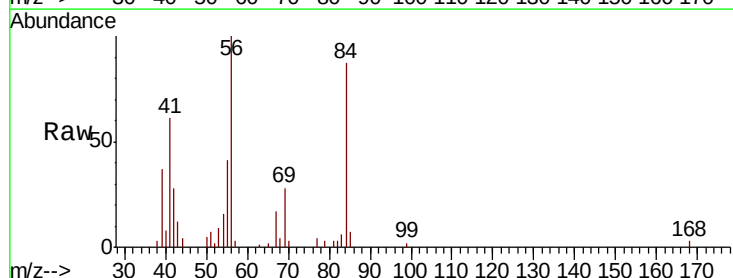
Instrument :
 MSVOA_U
 ClientSampled :

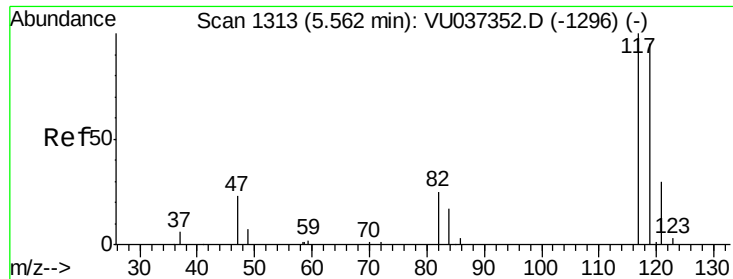
Tot Ion: 97 Resp: 19139
 Ion Ratio Lower Upper
 97 100
 99 65.7 51.7 77.5
 61 44.9 36.8 55.2



#30
 Cyclohexane
 Concen: 0.936 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VU037351.D
 Acq: 20 Mar 2020 17:17

Tgt Ion: 56 Resp: 15802
 Ion Ratio Lower Upper
 56 100
 69 29.1 24.6 37.0
 84 84.9 68.5 102.7





#31

Carbon tetrachloride

Concen: 0.977 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU037351.D

Acq: 20 Mar 2020 17:17

Instrument :

MSVOA_U

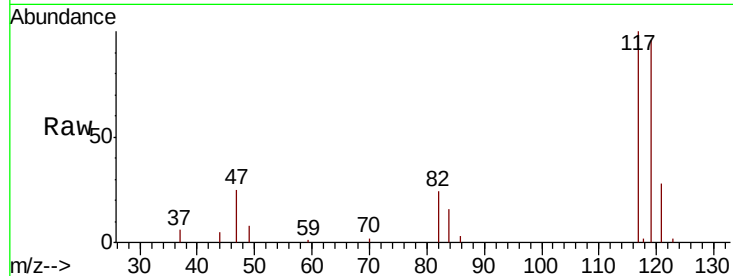
ClientSampleId :

Tot Ion:117 Resp: 16308

Ion Ratio Lower Upper

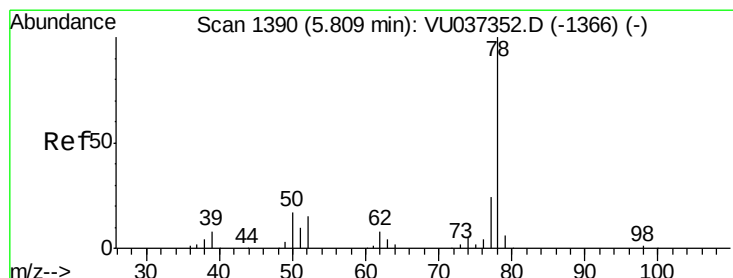
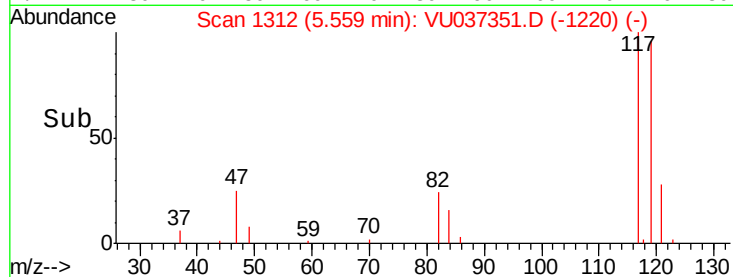
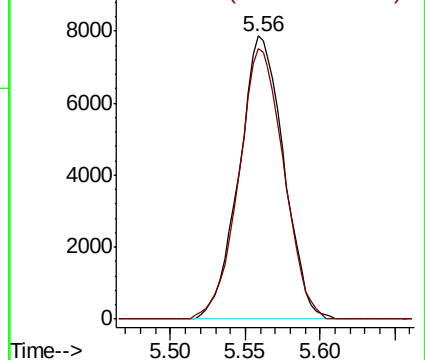
117 100

119 96.3 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: 0.991 ug/L

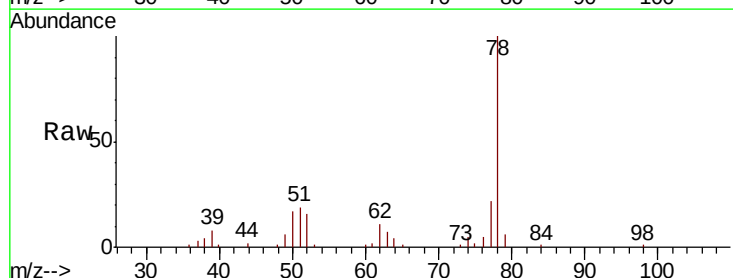
RT: 5.81 min Scan# 1391

Delta R.T. 0.00 min

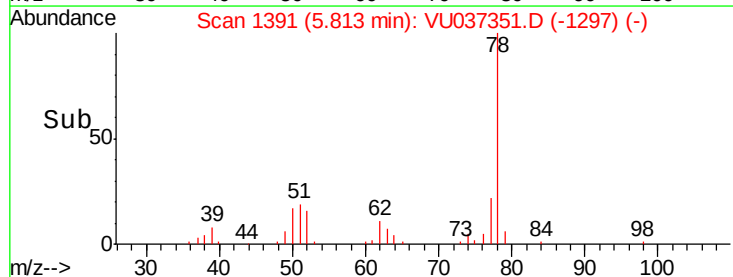
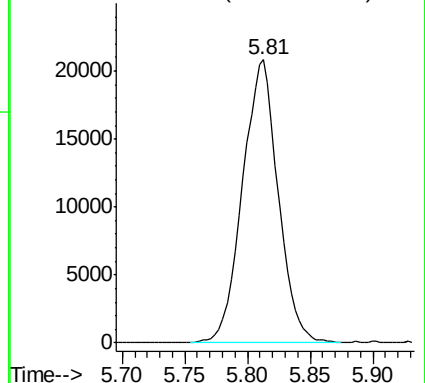
Lab File: VU037351.D

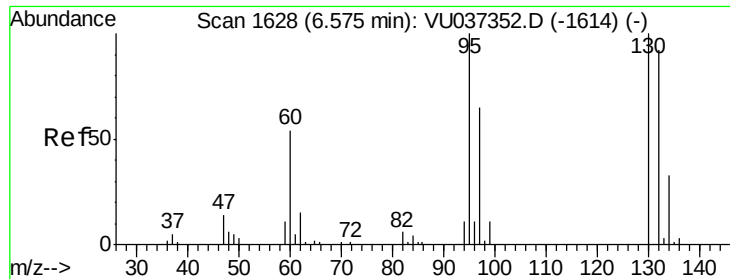
Acq: 20 Mar 2020 17:17

Tgt Ion: 78 Resp: 41205



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 1.018 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VU037351.D

Acq: 20 Mar 2020 17:17

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 11515

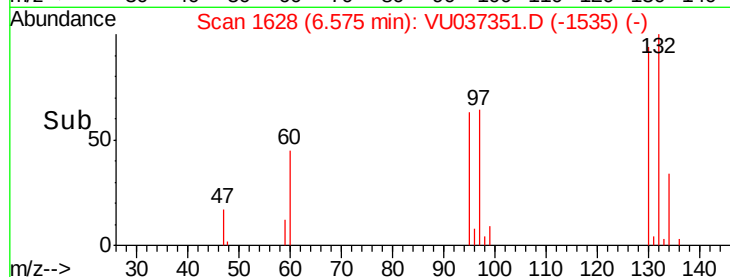
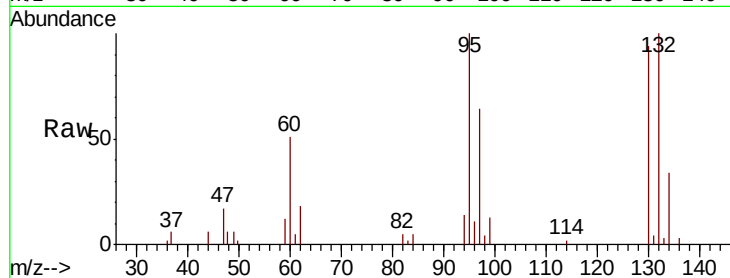
Ion Ratio Lower Upper

95 100

97 64.3 45.5 84.5

132 99.9 64.7 120.1

130 93.8 69.7 129.5

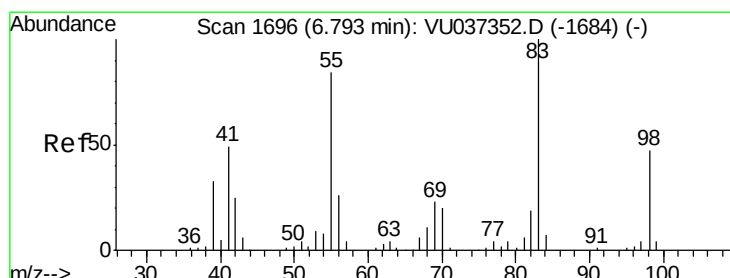
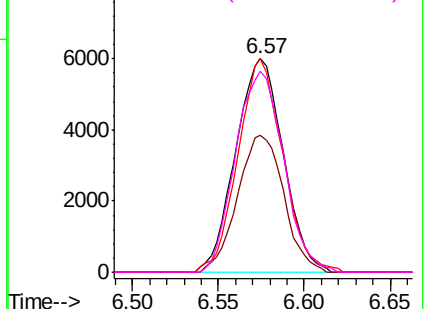


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.961 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. -0.00 min

Lab File: VU037351.D

Acq: 20 Mar 2020 17:17

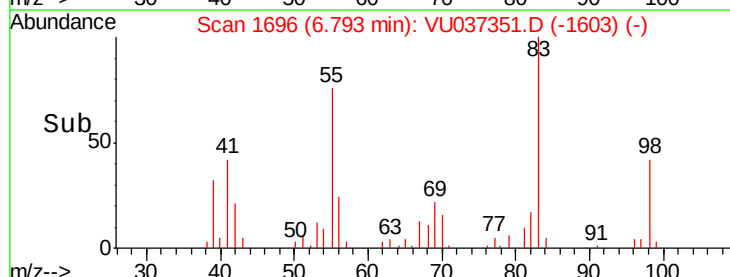
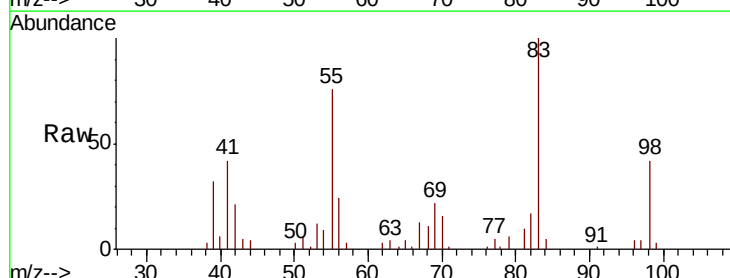
Tgt Ion: 83 Resp: 16361

Ion Ratio Lower Upper

83 100

55 80.6 65.9 98.9

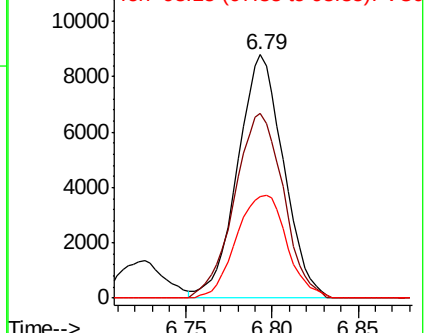
98 46.5 37.6 56.4

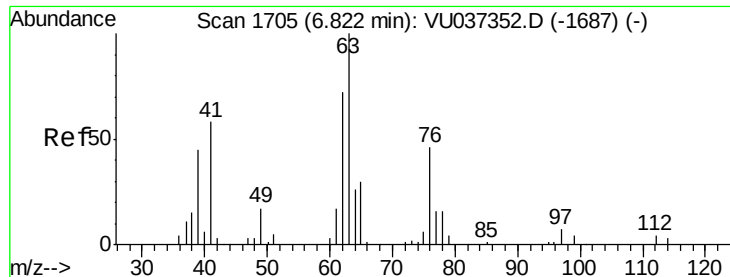


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

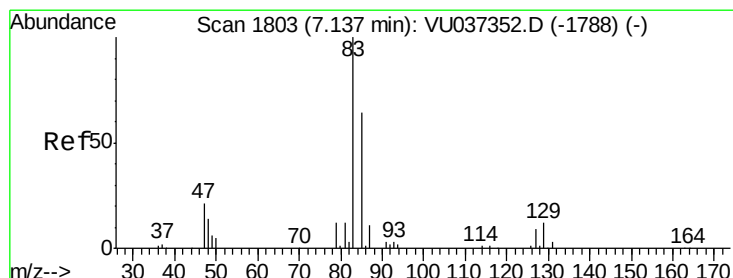
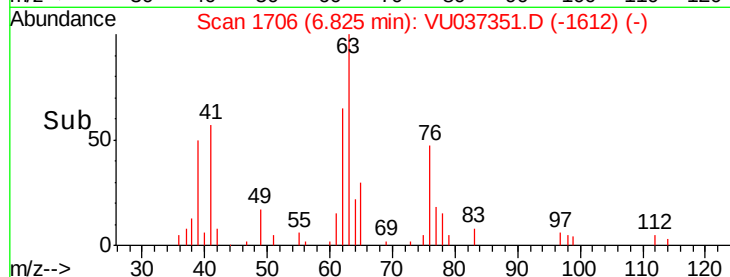
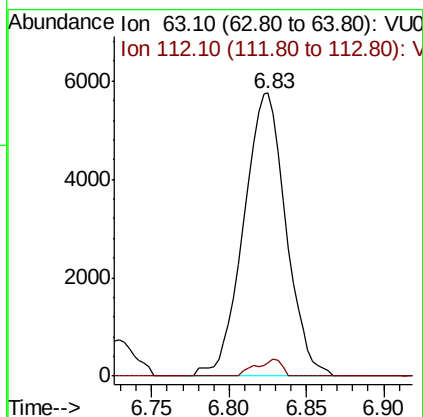
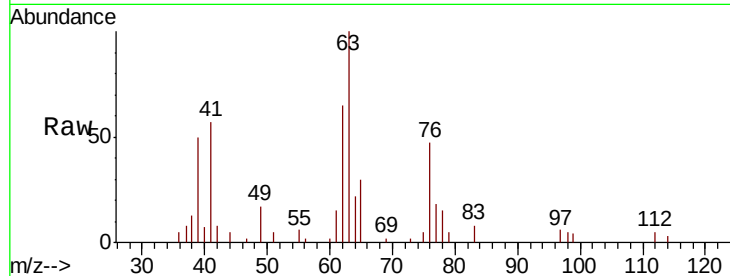




#37
 1,2-Dichloropropane
 Concen: 1.001 ug/L
 RT: 6.83 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: VU037351.D
 Acq: 20 Mar 2020 17:17

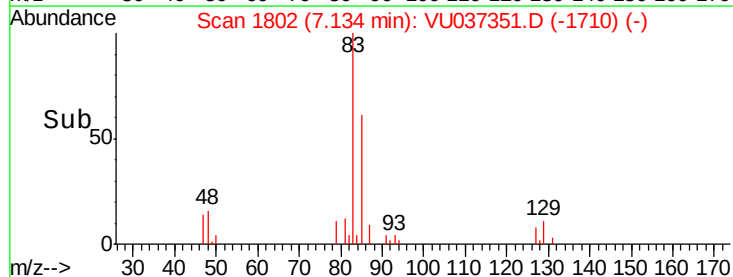
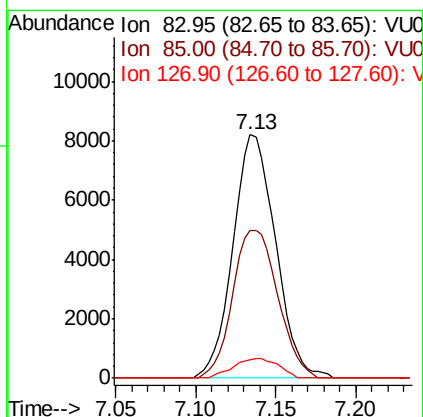
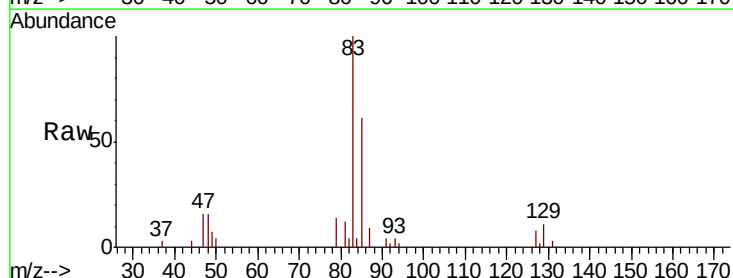
Instrument :
 MSVOA_U
 ClientSampleId :

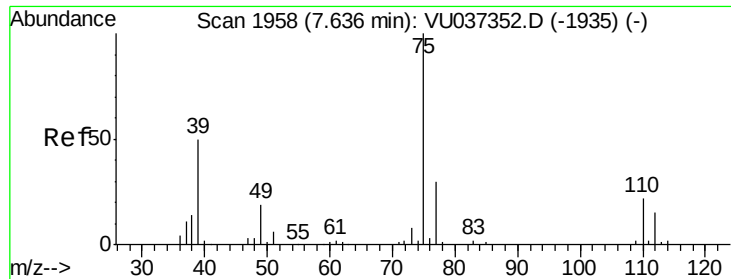
Tot Ion: 63 Resp: 10974
 Ion Ratio Lower Upper
 63 100
 112 3.6 3.0 4.6



#38
 Bromodichloromethane
 Concen: 0.969 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VU037351.D
 Acq: 20 Mar 2020 17:17

Tgt Ion: 83 Resp: 14914
 Ion Ratio Lower Upper
 83 100
 85 60.6 44.7 82.9
 127 7.7 7.0 10.6



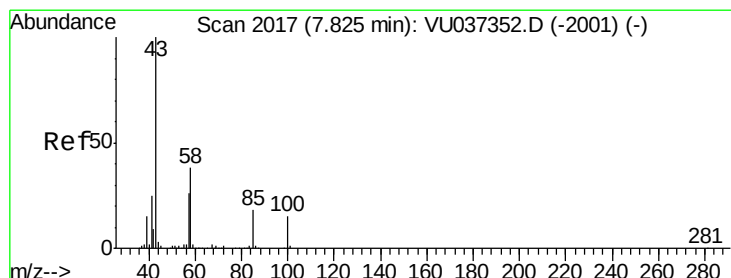
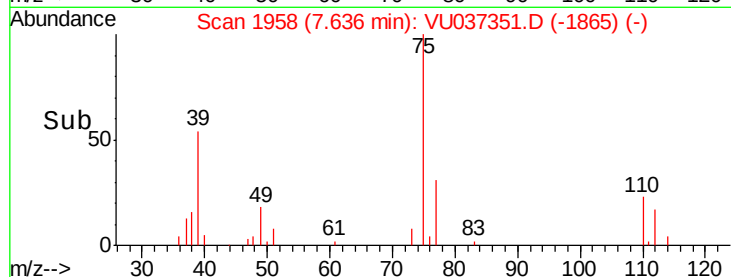
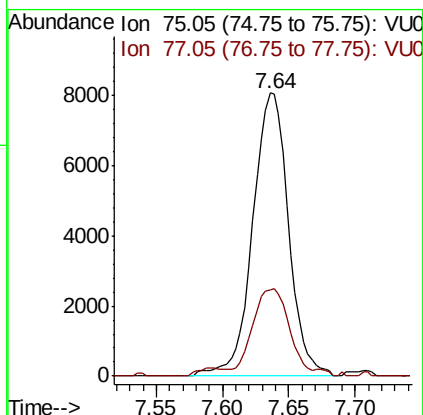
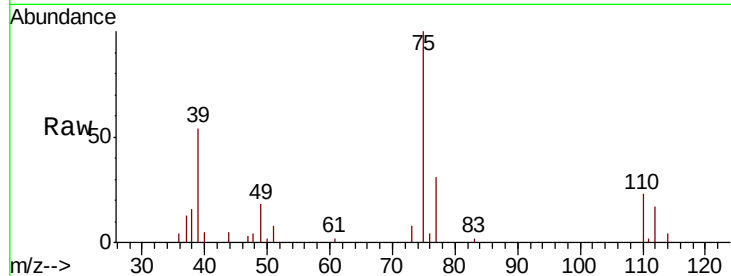


#39

cis-1,3-Dichloropropene
 Concen: 0.925 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. -0.00 min
 Lab File: VU037351.D
 Acq: 20 Mar 2020 17:17

Instrument :
 MSVOA_U
 ClientSampleId :

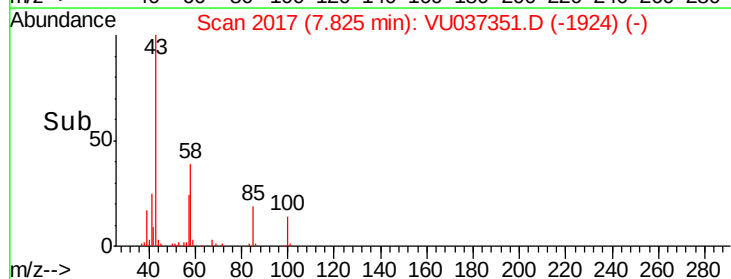
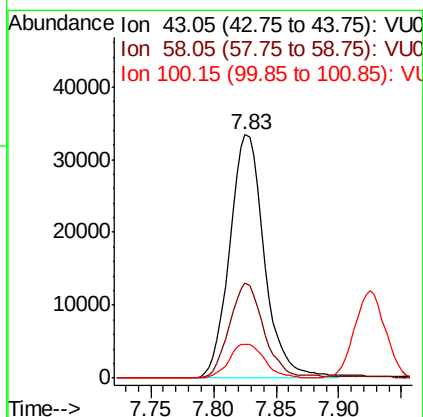
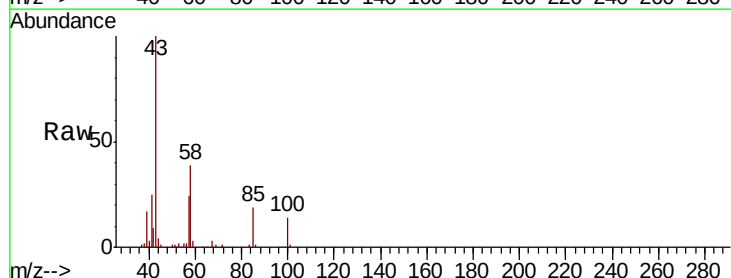
Tot Ion: 75 Resp: 15253
 Ion Ratio Lower Upper
 75 100
 77 30.6 21.2 39.4

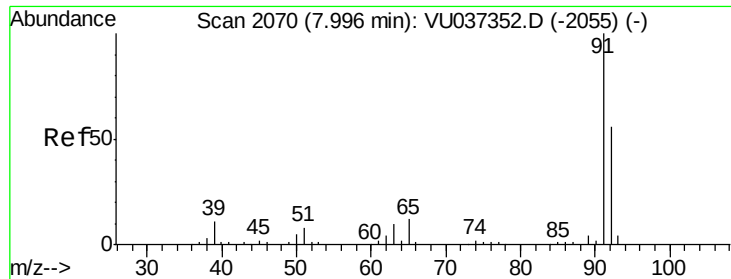


#40

4-Methyl-2-pentanone
 Concen: 8.883 ug/L
 RT: 7.83 min Scan# 1917
 Delta R.T. -0.00 min
 Lab File: VU037351.D
 Acq: 20 Mar 2020 17:17

Tgt Ion: 43 Resp: 64330
 Ion Ratio Lower Upper
 43 100
 58 38.3 30.1 45.1
 100 14.2 11.8 17.6





#42

Toluene

Concen: 0.968 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VU037351.D

Acq: 20 Mar 2020 17:17

Instrument :

MSVOA_U

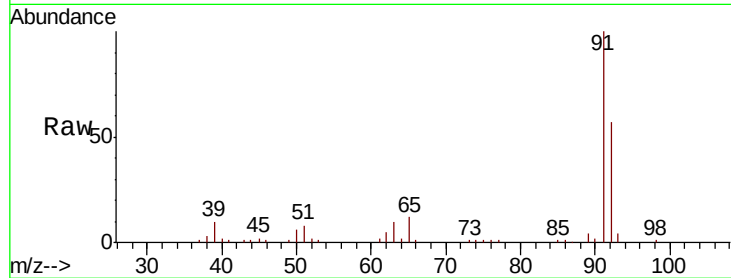
ClientSampleId :

Tot Ion: 91 Resp: 43383

Ion Ratio Lower Upper

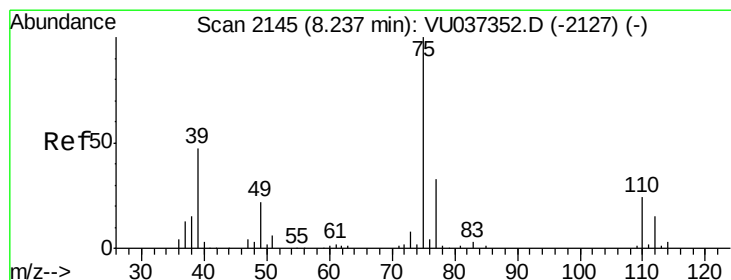
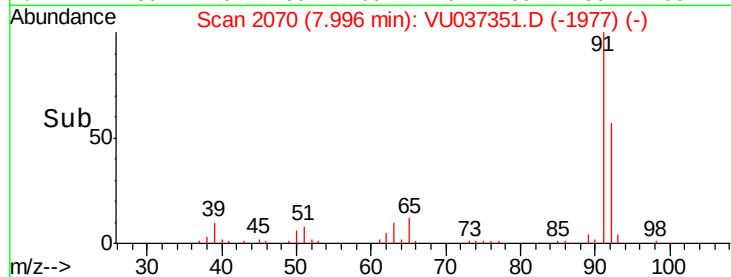
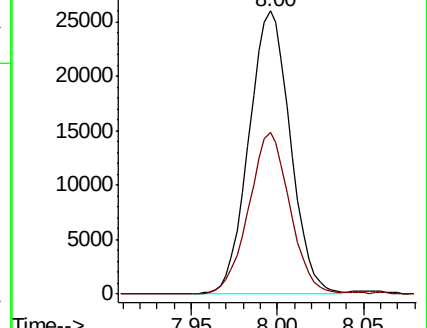
91 100

92 57.1 39.0 72.4



Abundance Ion 91.15 (90.85 to 91.85): VU037351.D (-1977) (-)

Ion 92.15 (91.85 to 92.85): VU037351.D (-1977) (-)



#44

trans-1,3-Dichloropropene

Concen: 1.009 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. -0.00 min

Lab File: VU037351.D

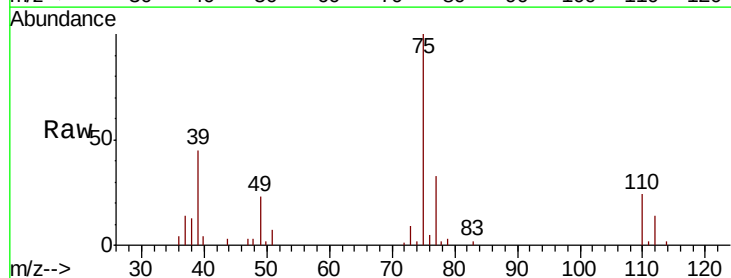
Acq: 20 Mar 2020 17:17

Tgt Ion: 75 Resp: 14165

Ion Ratio Lower Upper

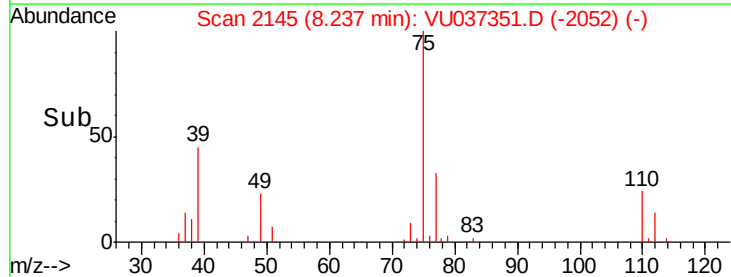
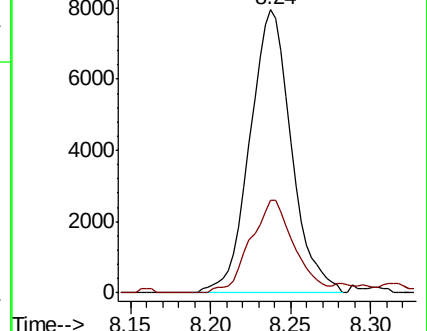
75 100

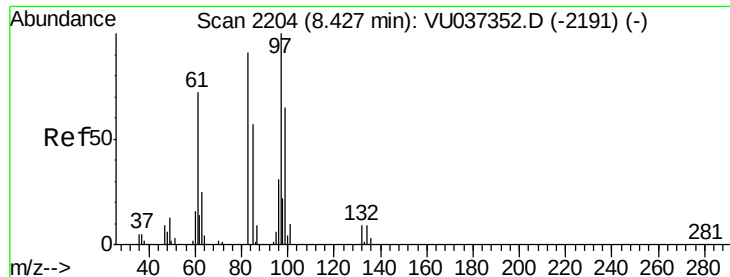
77 32.9 23.0 42.6



Abundance Ion 75.05 (74.75 to 75.75): VU037351.D (-2052) (-)

Ion 77.05 (76.75 to 77.75): VU037351.D (-2052) (-)

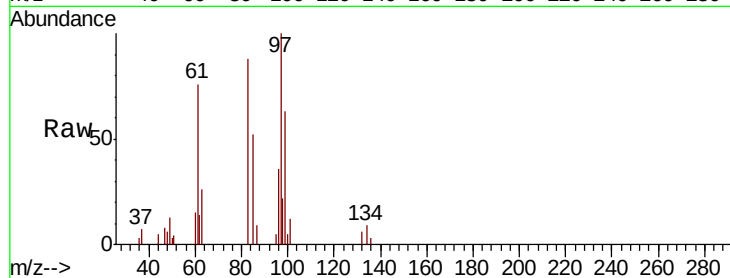




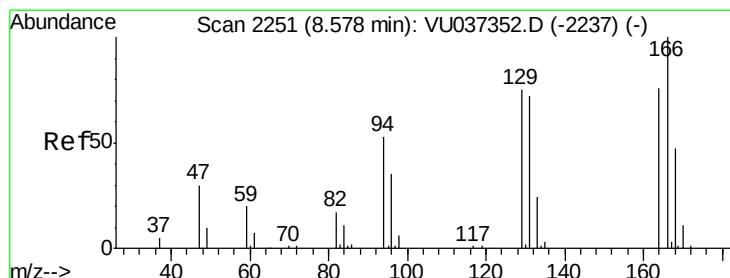
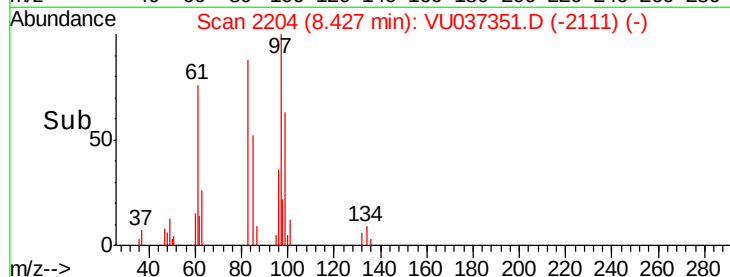
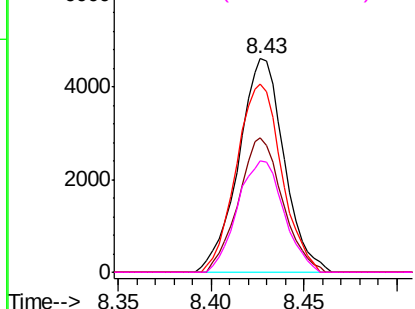
#45
1,1,2-Trichloroethane
Concen: 0.999 ug/L
RT: 8.43 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VU037351.D
Acq: 20 Mar 2020 17:17

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	97	Resp:	7869
Ion	Ratio	Lower	Upper
97	100		
99	63.2	45.8	85.0
83	88.3	63.4	117.8
85	52.4	40.1	74.5

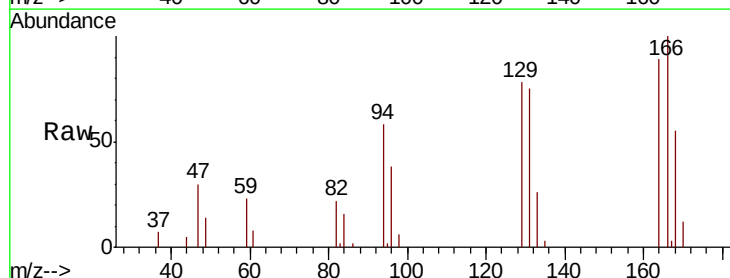


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0

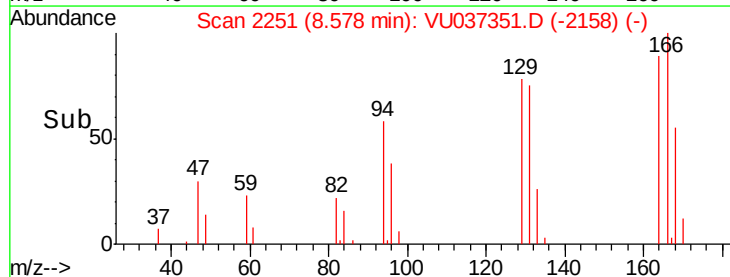
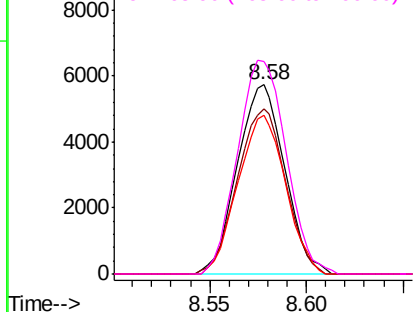


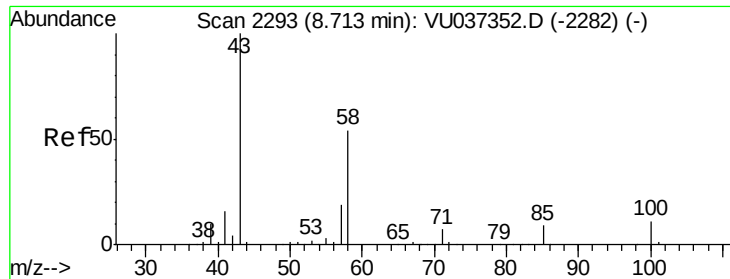
#47
Tetrachloroethene
Concen: 1.108 ug/L
RT: 8.58 min Scan# 2251
Delta R.T. -0.00 min
Lab File: VU037351.D
Acq: 20 Mar 2020 17:17

Tgt Ion:	164	Resp:	9760
Ion	Ratio	Lower	Upper
164	100		
129	87.2	69.9	129.7
131	83.8	67.1	124.7
166	112.4	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

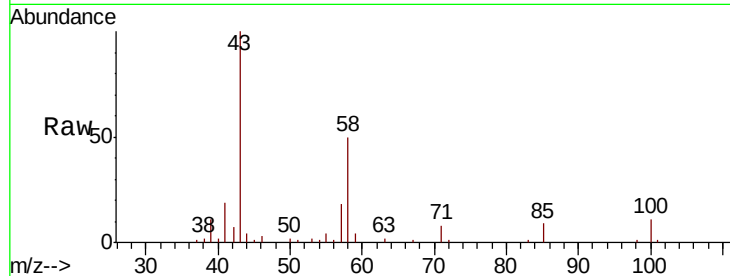




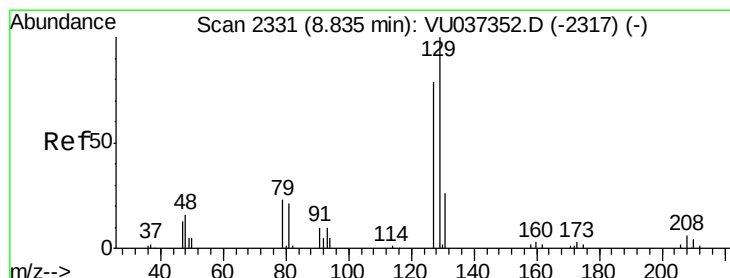
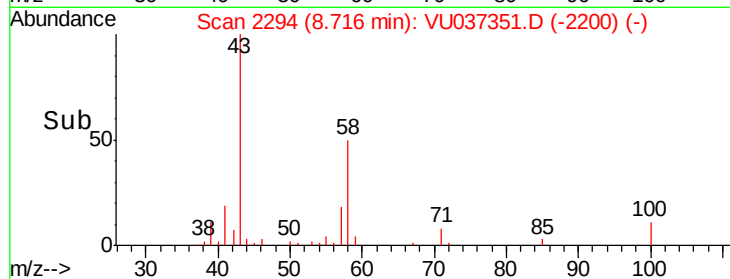
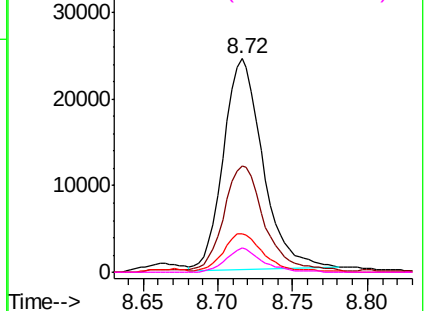
#48
2-Hexanone
Concen: 8.379 ug/L
RT: 8.72 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VU037351.D
Acq: 20 Mar 2020 17:17

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 44746
Ion Ratio Lower Upper
43 100
58 51.3 42.5 63.7
57 19.3 15.2 22.8
100 10.4 8.9 13.3

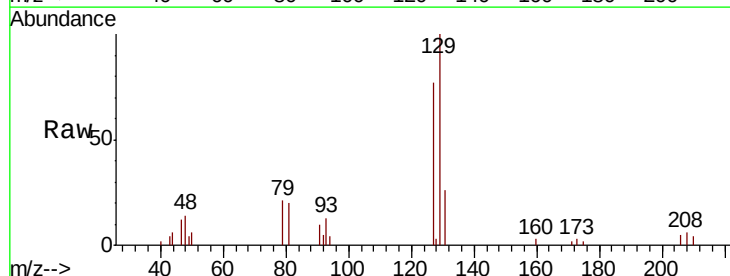


Abundance Ion 43.05 (42.75 to 43.75): VU037351.D (-2294) (-)
Ion 58.05 (57.75 to 58.75): VU037351.D (-2294) (-)
Ion 57.20 (56.90 to 57.90): VU037351.D (-2294) (-)
Ion 100.15 (99.85 to 100.85): VU037351.D (-2294) (-)

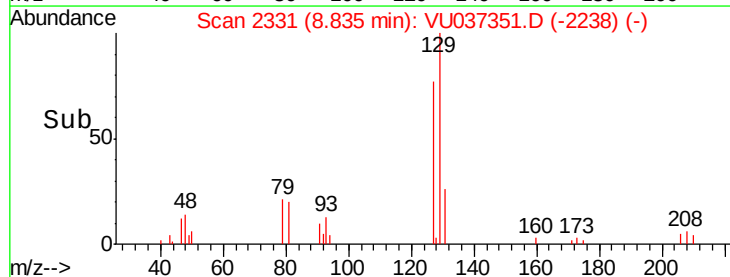
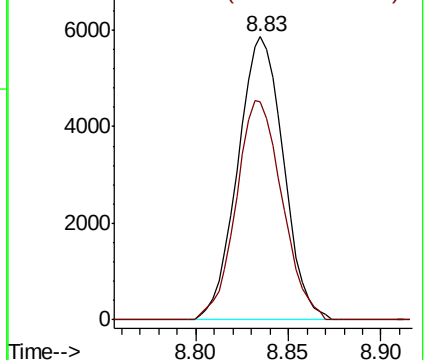


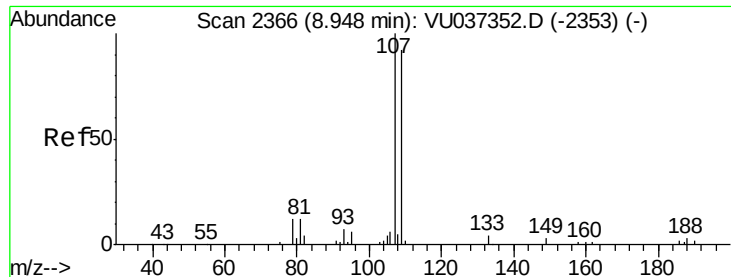
#49
Dibromochloromethane
Concen: 0.977 ug/L
RT: 8.83 min Scan# 2331
Delta R.T. -0.00 min
Lab File: VU037351.D
Acq: 20 Mar 2020 17:17

Tgt Ion: 129 Resp: 10008
Ion Ratio Lower Upper
129 100
127 77.2 55.1 102.3



Abundance Ion 128.95 (128.65 to 129.65): VU037351.D (-2331) (-)
Ion 126.90 (126.60 to 127.60): VU037351.D (-2331) (-)

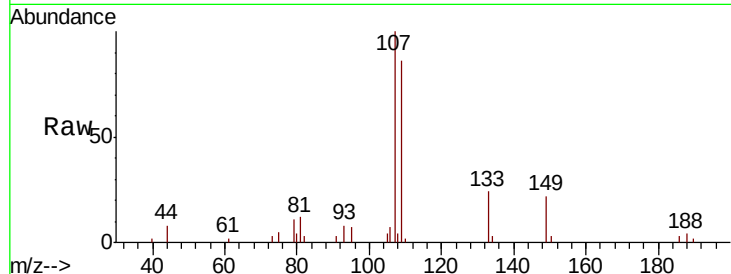




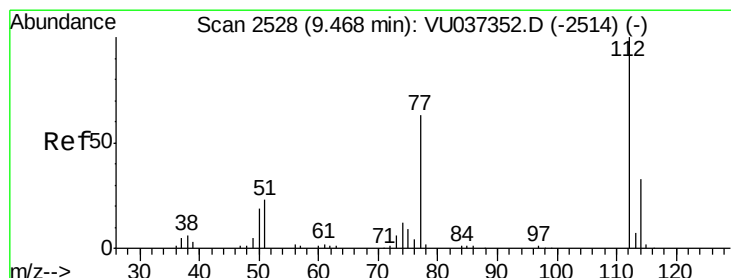
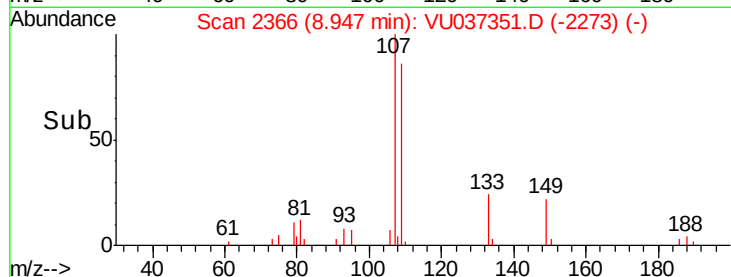
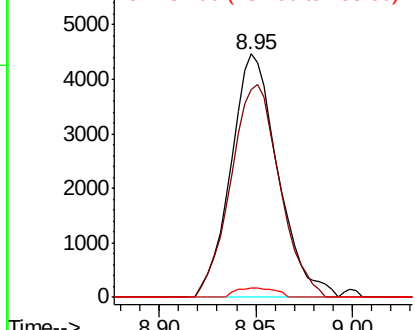
#50
 1,2-Dibromoethane
 Concen: 0.979 ug/L
 RT: 8.95 min Scan# 2366
 Delta R.T. -0.00 min
 Lab File: VU037351.D
 Acq: 20 Mar 2020 17:17

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	85.6	64.1	119.1
188	3.8	2.4	3.6#

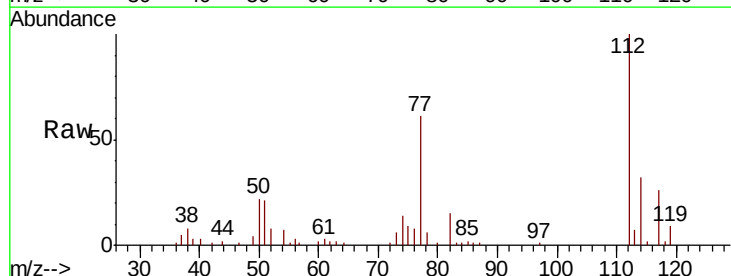


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

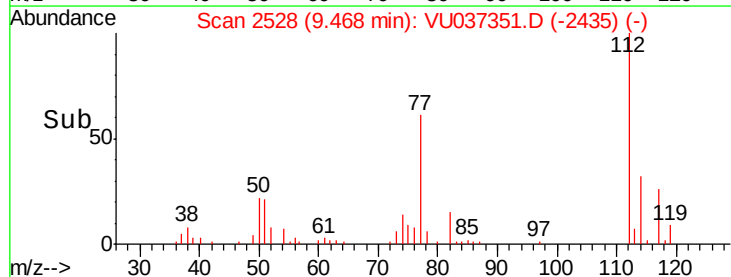
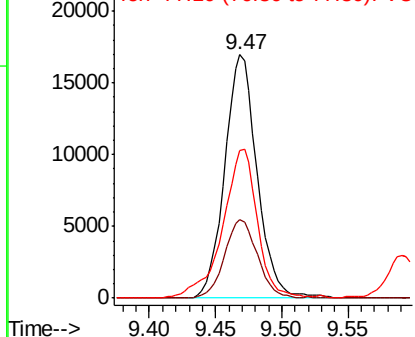


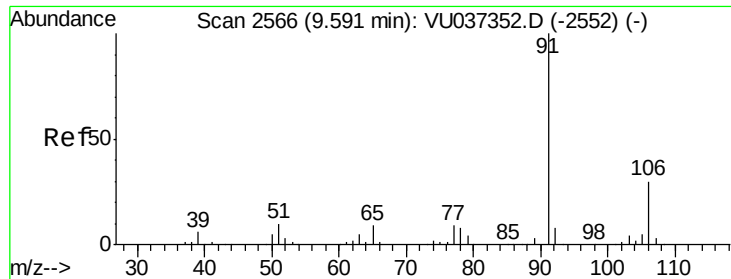
#51
 Chlorobenzene
 Concen: 0.992 ug/L
 RT: 9.47 min Scan# 2528
 Delta R.T. -0.00 min
 Lab File: VU037351.D
 Acq: 20 Mar 2020 17:17

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.9	42.5
77	60.9	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: 0.922 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VU037351.D

Acq: 20 Mar 2020 17:17

Instrument :

MSVOA_U

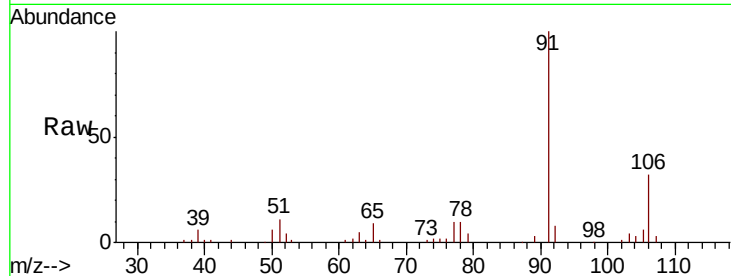
ClientSampleId :

Tot Ion: 91 Resp: 46722

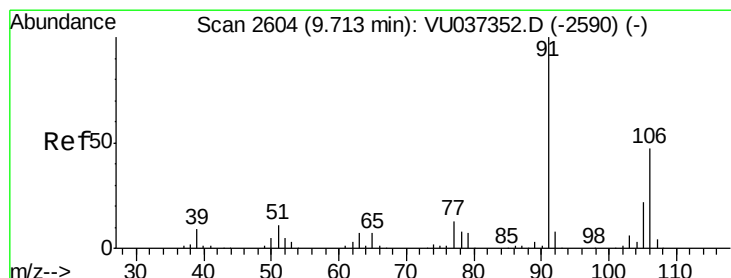
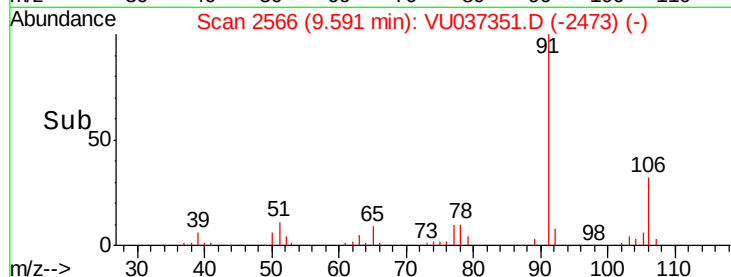
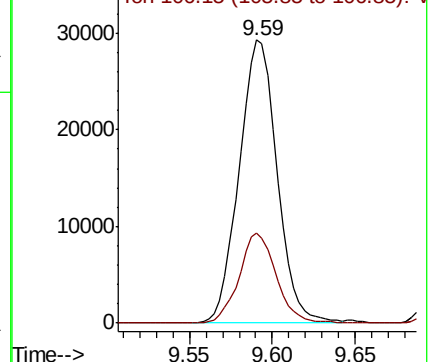
Ion Ratio Lower Upper

91 100

106 32.0 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU037351.D (-2552) (-)



#53

m,p-Xylene

Concen: 0.942 ug/L

RT: 9.72 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VU037351.D

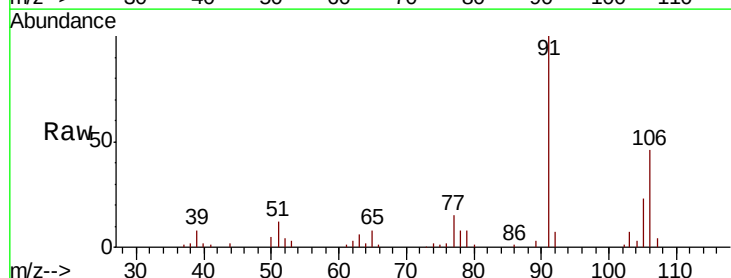
Acq: 20 Mar 2020 17:17

Tgt Ion: 106 Resp: 17612

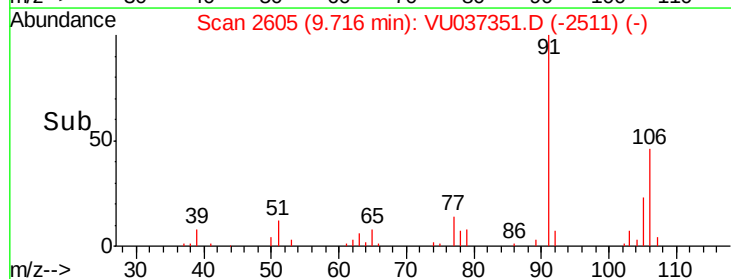
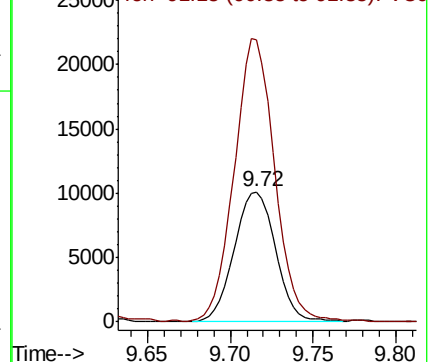
Ion Ratio Lower Upper

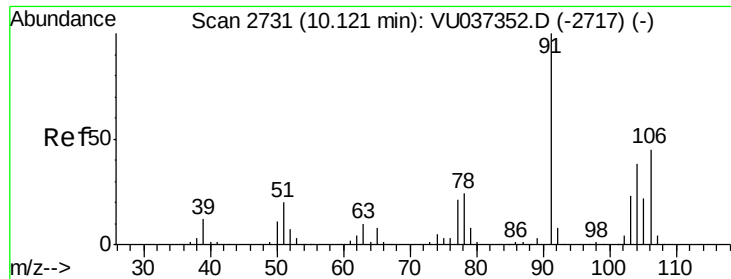
106 100

91 216.4 151.1 280.7



Abundance Ion 106.15 (105.85 to 106.85): VU037351.D (-2590) (-)





#54

o-Xylene

Concen: 0.943 ug/L

RT: 10.12 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VU037351.D

Acq: 20 Mar 2020 17:17

Instrument :

MSVOA_U

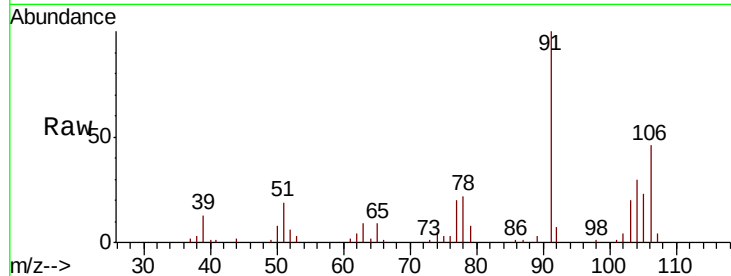
ClientSampled :

Tot Ion:106 Resp: 16747

Ion Ratio Lower Upper

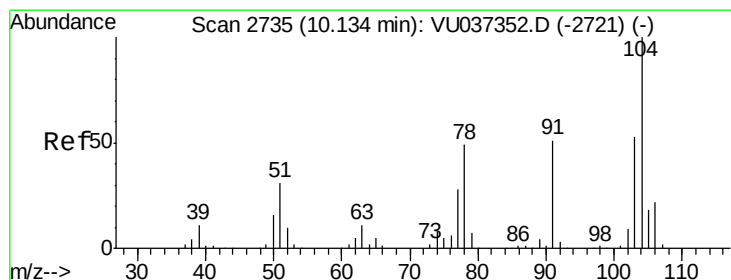
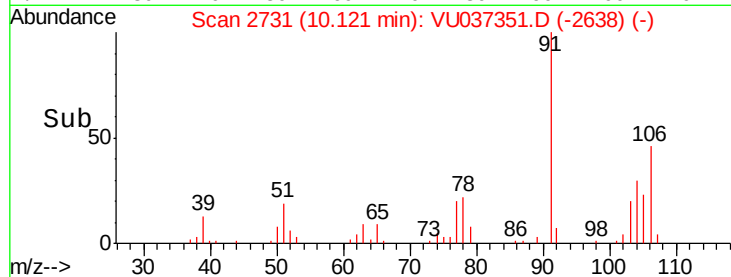
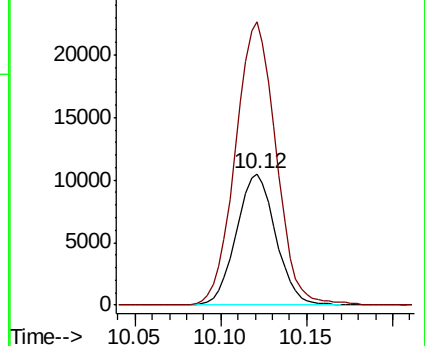
106 100

91 215.4 155.0 287.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 0.863 ug/L

RT: 10.13 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VU037351.D

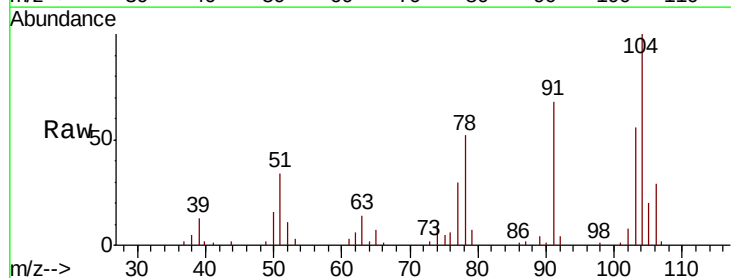
Acq: 20 Mar 2020 17:17

Tgt Ion:104 Resp: 25986

Ion Ratio Lower Upper

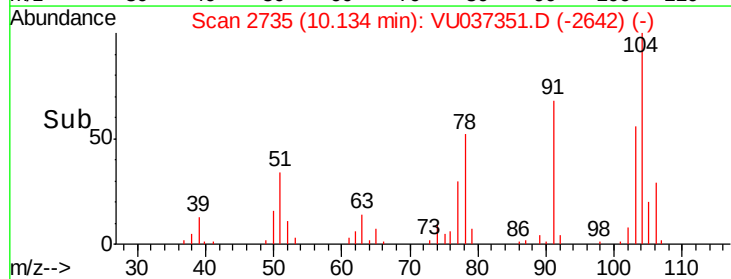
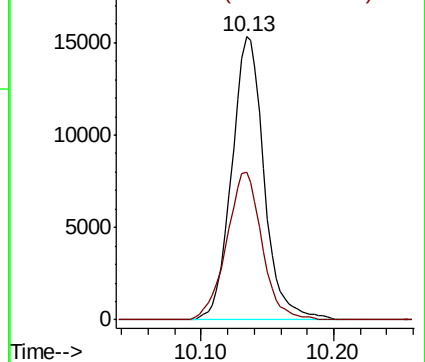
104 100

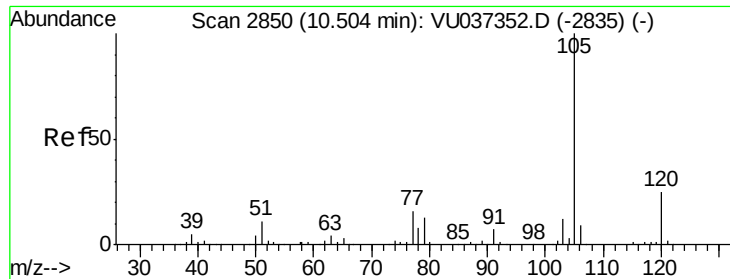
78 52.1 34.6 64.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 0.928 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. -0.00 min

Lab File: VU037351.D

Acq: 20 Mar 2020 17:17

Instrument :

MSVOA_U

ClientSampleId :

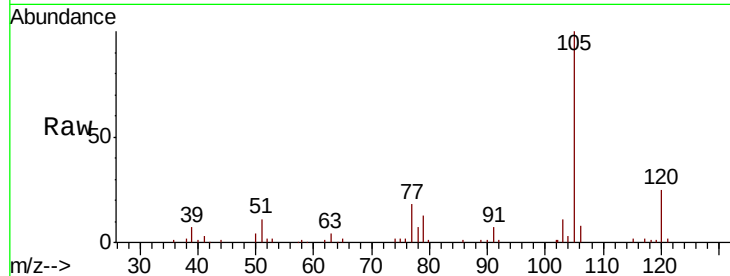
Tot Ion:105 Resp: 46173

Ion Ratio Lower Upper

105 100

120 26.5 20.2 30.2

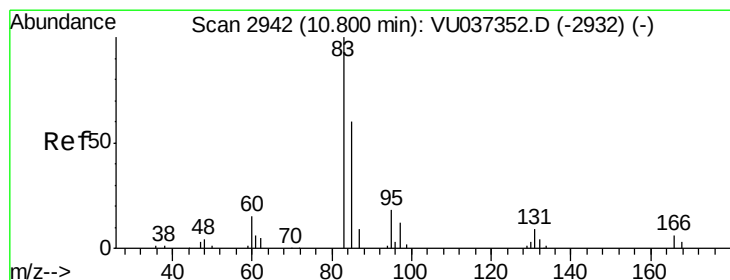
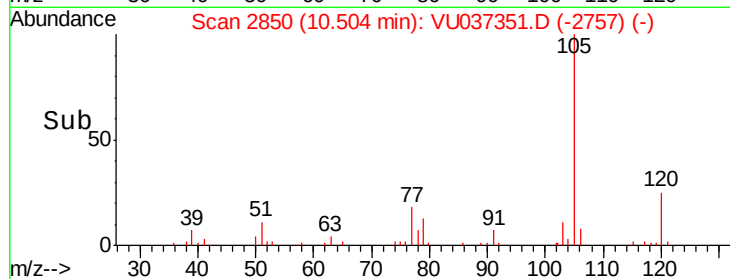
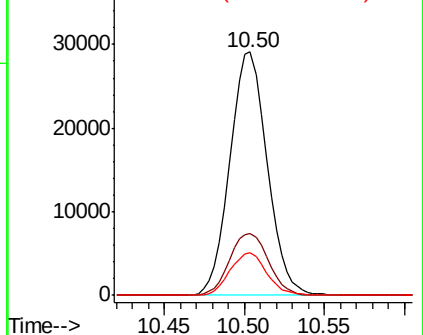
77 17.1 13.4 20.0



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: 0.956 ug/L

RT: 10.80 min Scan# 2943

Delta R.T. 0.00 min

Lab File: VU037351.D

Acq: 20 Mar 2020 17:17

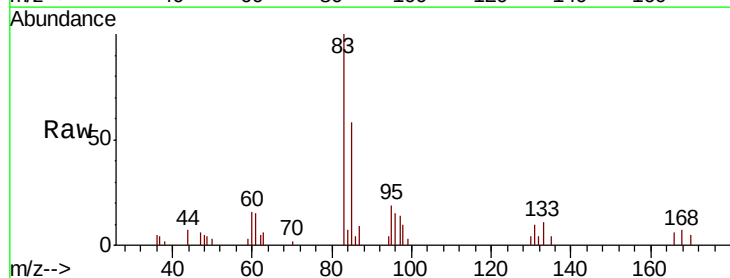
Tgt Ion: 83 Resp: 9896

Ion Ratio Lower Upper

83 100

85 58.3 43.1 80.1

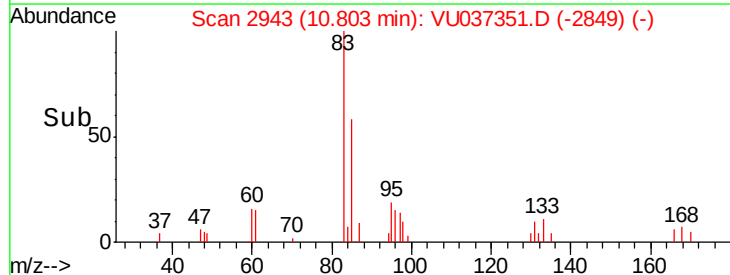
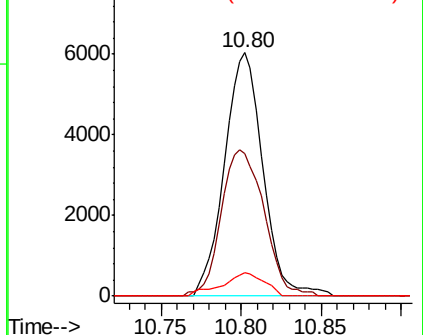
131 9.6 8.3 12.5

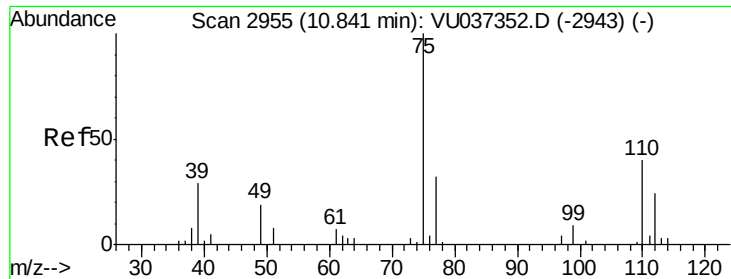


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

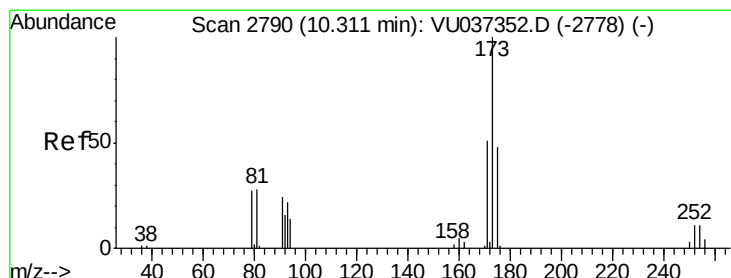
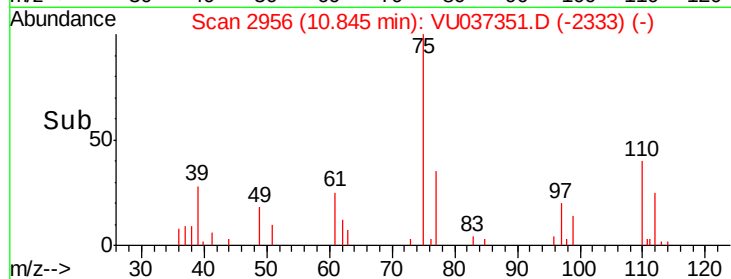
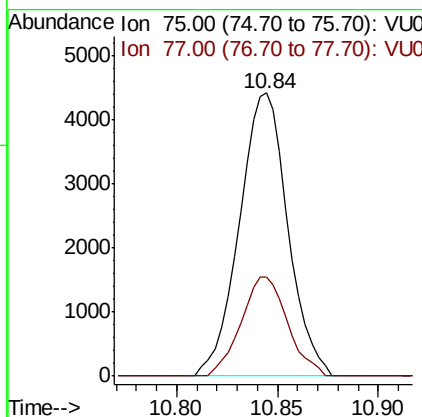
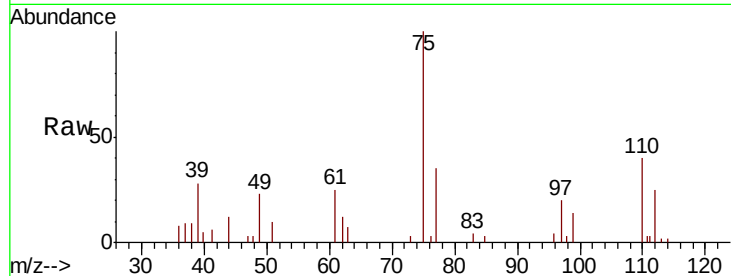




#59
 1,2,3-Trichloropropane
 Concen: 0.965 ug/L
 RT: 10.84 min Scan# 2956
 Delta R.T. 0.00 min
 Lab File: VU037351.D
 Acq: 20 Mar 2020 17:17

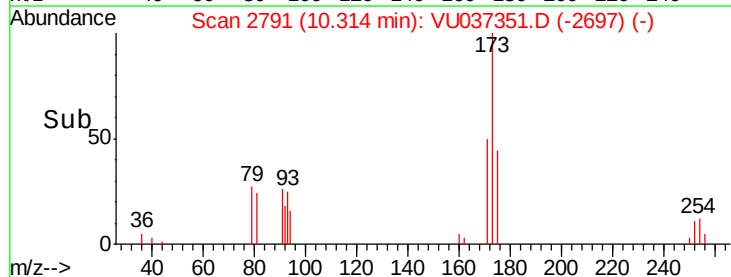
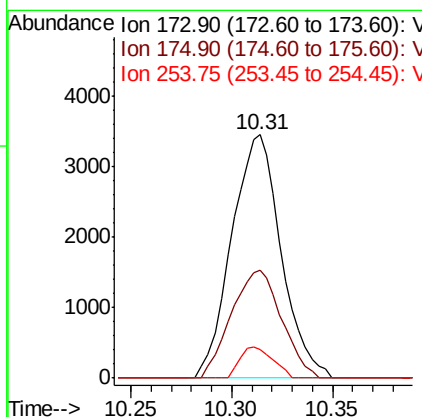
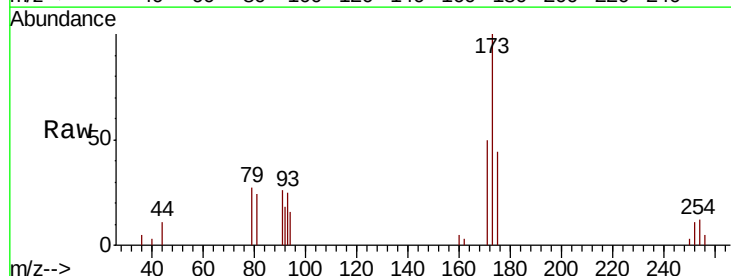
Instrument :
 MSVOA_U
 ClientSampled :

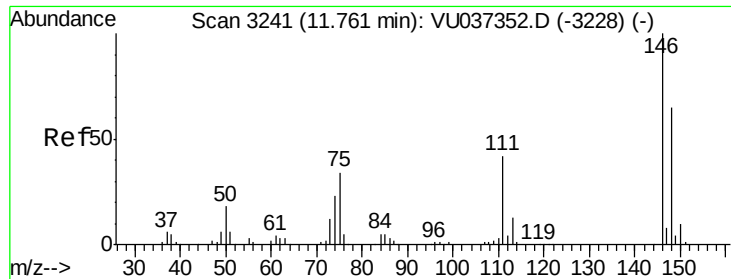
Tot Ion: 75 Resp: 7421
 Ion Ratio Lower Upper
 75 100
 77 33.7 26.0 39.0



#61
 Bromoform
 Concen: 1.019 ug/L
 RT: 10.31 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VU037351.D
 Acq: 20 Mar 2020 17:17

Tgt Ion: 173 Resp: 5906
 Ion Ratio Lower Upper
 173 100
 175 45.2 37.8 56.6
 254 8.5 8.4 12.6

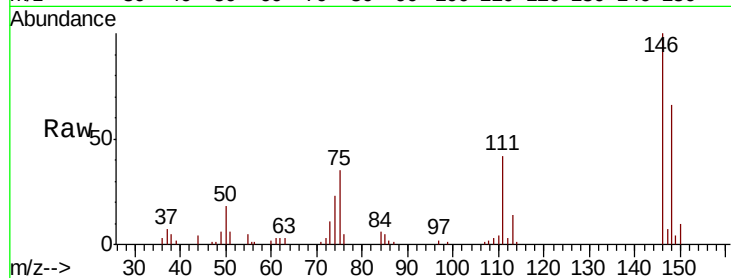




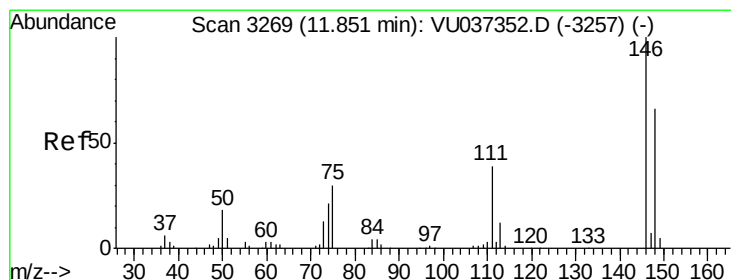
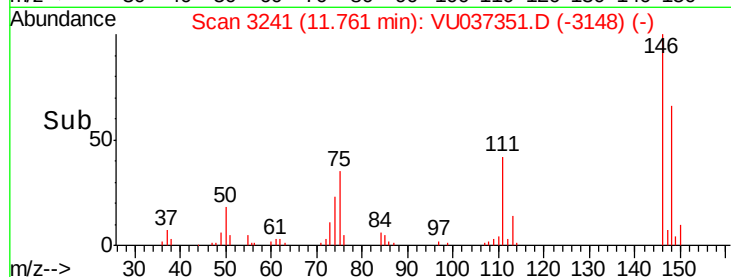
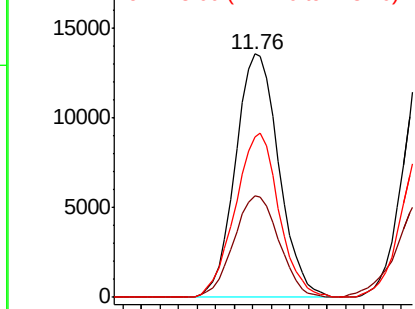
#62
 1,3-Dichlorobenzene
 Concen: 1.007 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. -0.00 min
 Lab File: VU037351.D
 Acq: 20 Mar 2020 17:17

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:146 Resp: 22146
 Ion Ratio Lower Upper
 146 100
 111 41.8 29.2 54.2
 148 65.9 45.4 84.4

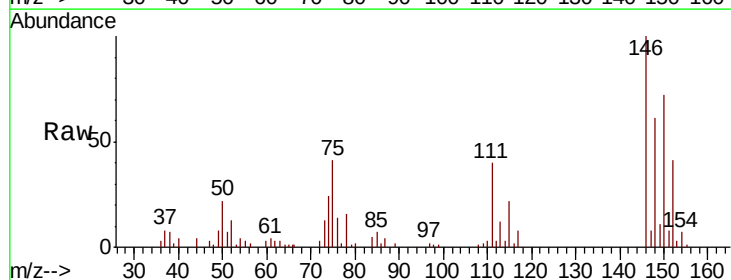


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

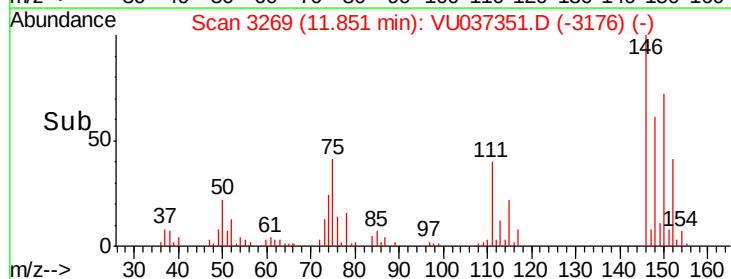
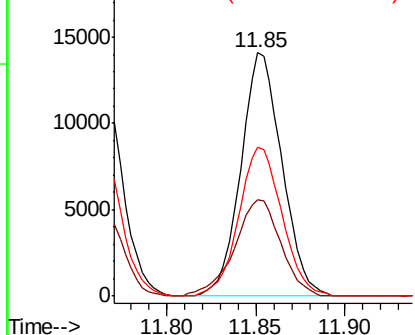


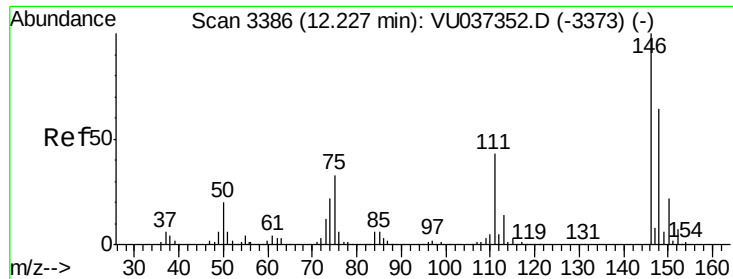
#63
 1,4-Dichlorobenzene
 Concen: 1.034 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. -0.00 min
 Lab File: VU037351.D
 Acq: 20 Mar 2020 17:17

Tgt Ion:146 Resp: 22738
 Ion Ratio Lower Upper
 146 100
 111 39.7 27.4 51.0
 148 61.2 46.3 85.9



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





#65

1,2-Dichlorobenzene

Concen: 1.011 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. -0.00 min

Lab File: VU037351.D

Acq: 20 Mar 2020 17:17

Instrument :

MSVOA_U

ClientSampleId :

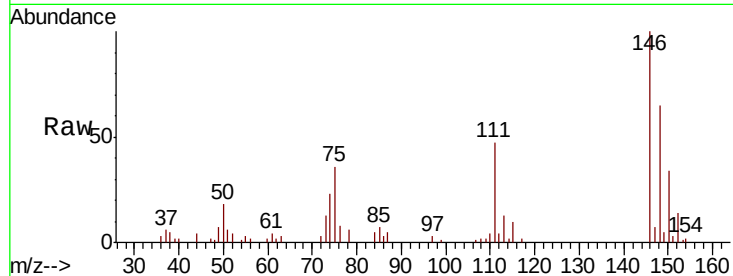
Tot Ion:146 Resp: 21635

Ion Ratio Lower Upper

146 100

111 46.7 34.7 52.1

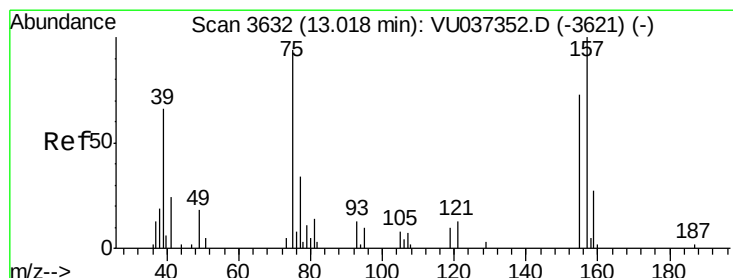
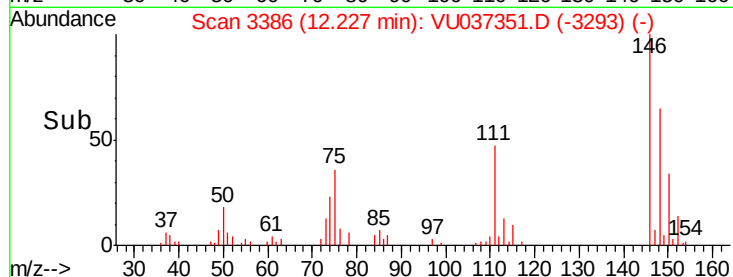
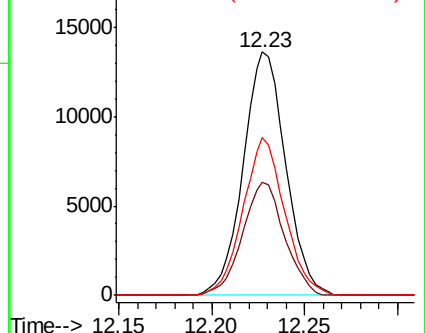
148 64.7 51.1 76.7



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: 1.012 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. -0.00 min

Lab File: VU037351.D

Acq: 20 Mar 2020 17:17

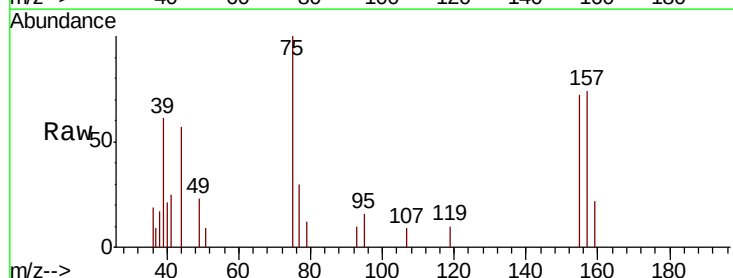
Tgt Ion: 75 Resp: 1688

Ion Ratio Lower Upper

75 100

155 72.4 62.2 93.4

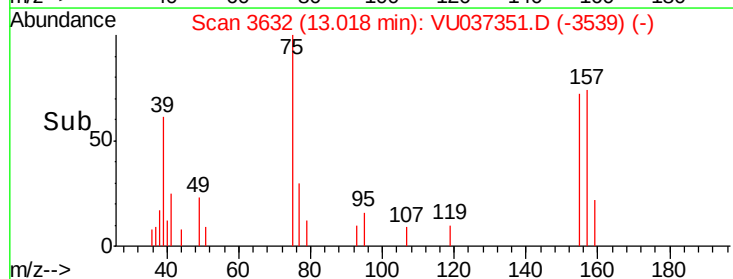
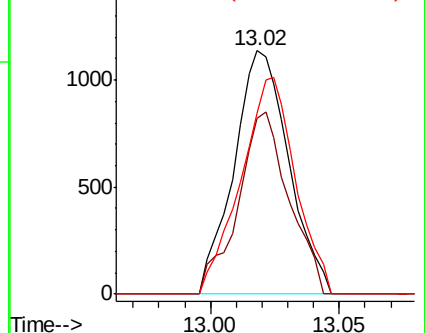
157 74.1 85.4 128.2#

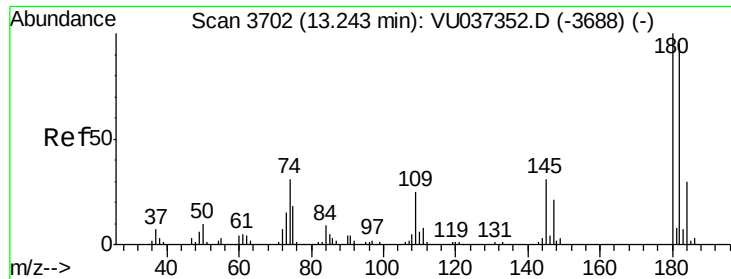


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

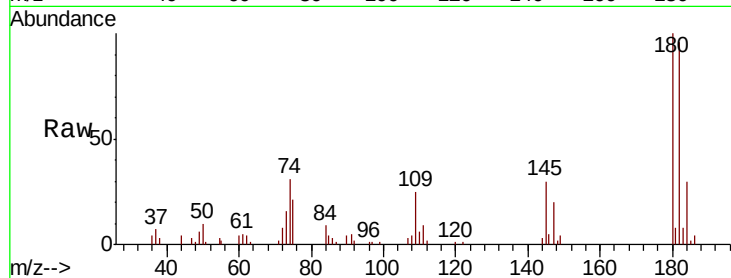




#67
 1,3,5-Trichlorobenzene
 Concen: 0.959 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. -0.00 min
 Lab File: VU037351.D
 Acq: 20 Mar 2020 17:17

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	180	Resp:	16053
Ion	Ratio	Lower	Upper
180	100		
182	98.8	76.4	114.6
184	32.6	24.6	37.0
145	32.1	25.0	37.6



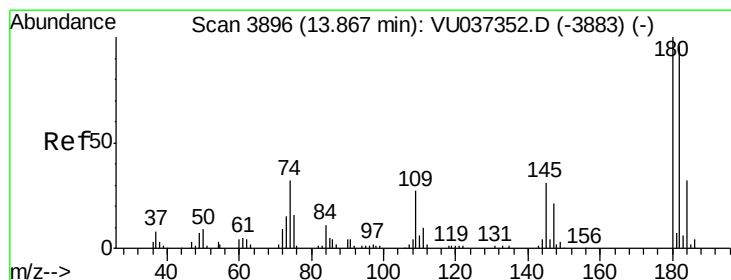
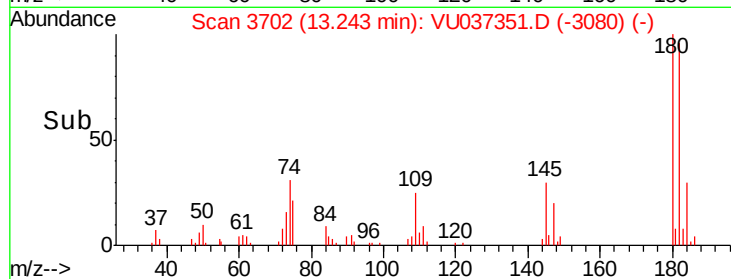
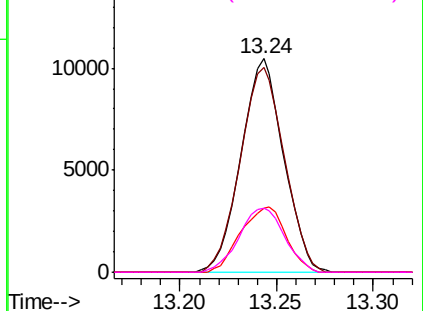
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

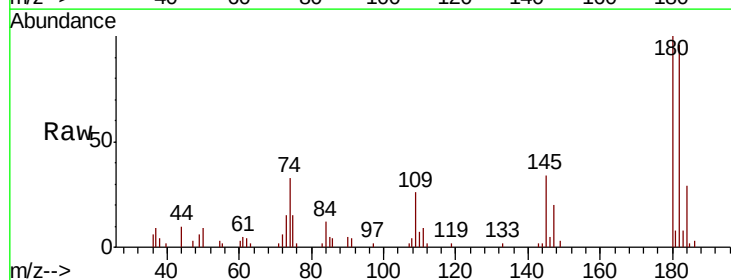
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 0.941 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. 0.00 min
 Lab File: VU037351.D
 Acq: 20 Mar 2020 17:17

Tgt Ion:	180	Resp:	11061
Ion	Ratio	Lower	Upper
180	100		
182	97.2	77.4	116.2
145	32.3	25.3	37.9

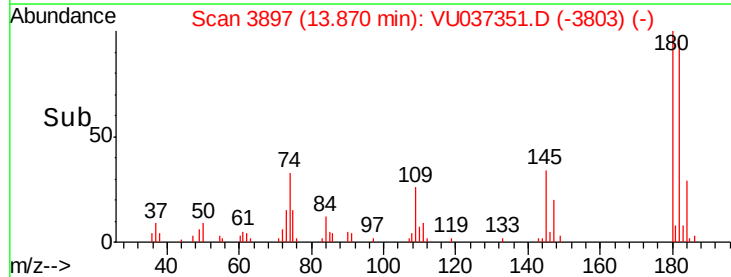
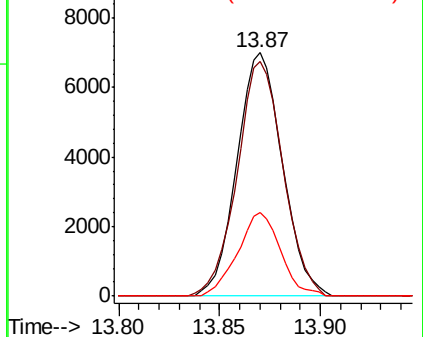


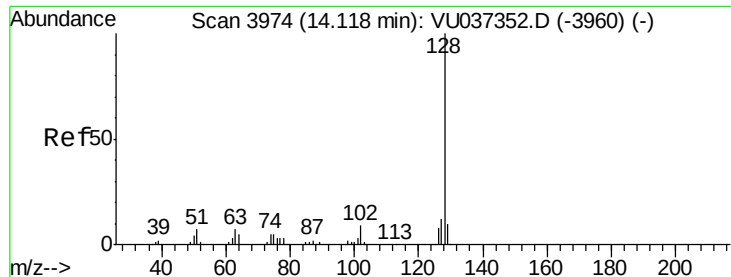
Abundance

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: 0.734 ug/L

RT: 14.12 min Scan# 3975

Delta R.T. 0.00 min

Lab File: VU037351.D

Acq: 20 Mar 2020 17:17

Instrument :

MSVOA_U

ClientSampleId :

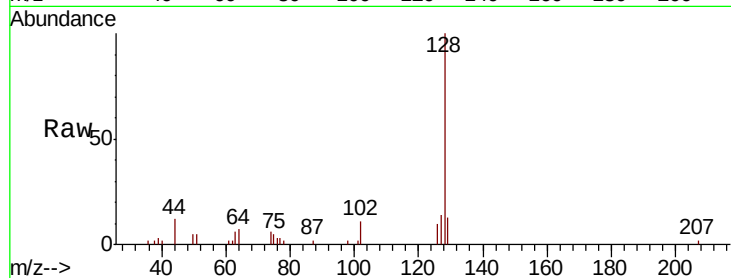
Tot Ion:128 Resp: 12392

Ion Ratio Lower Upper

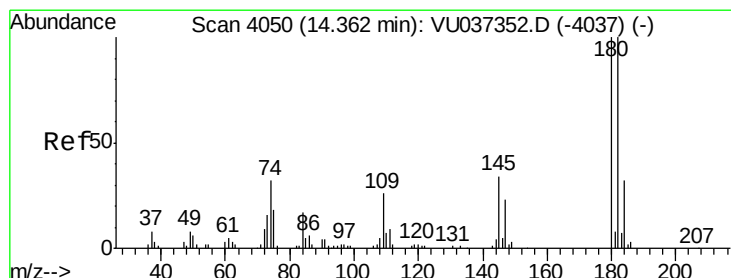
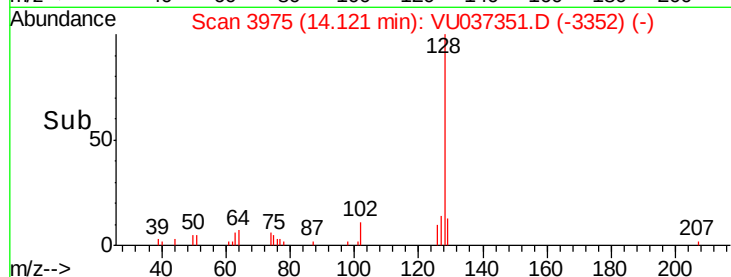
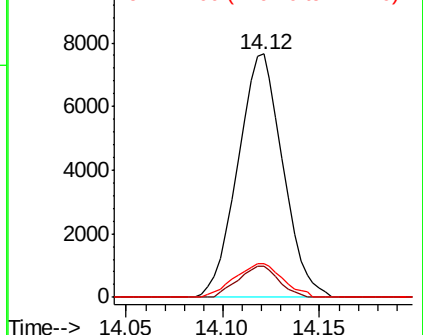
128 100

129 11.5 8.6 12.8

127 14.9 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: 0.933 ug/L

RT: 14.37 min Scan# 4051

Delta R.T. 0.00 min

Lab File: VU037351.D

Acq: 20 Mar 2020 17:17

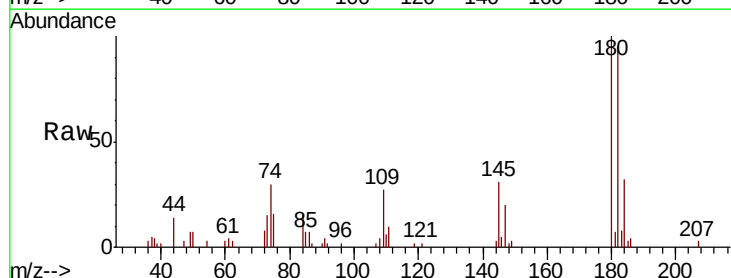
Tgt Ion:180 Resp: 10603

Ion Ratio Lower Upper

180 100

182 93.5 79.6 119.4

145 33.3 27.0 40.6



Abundance Ion 179.90 (179.60 to 180.60): V
Ion 181.90 (181.60 to 182.60): V
Ion 144.95 (144.65 to 145.65): V

