

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051220\
 Data File : VU038114.D
 Acq On : 12 May 2020 10:10
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 13 01:09:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon May 11 12:18:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	432666	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	421712	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	212614	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	190629	4.82	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.40%
7) Chloroethane-d5	1.93	69	163614	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.60%
11) 1,1-Dichloroethene-d2	2.59	63	323621	4.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.80%
20) 2-Butanone-d5	4.69	46	598146	61.26	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.52%
24) Chloroform-d	5.10	84	300547	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.00%
26) 1,2-Dichloroethane-d4	5.74	65	176567	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.60%
32) Benzene-d6	5.76	84	644983	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.00%
36) 1,2-Dichloropropane-d6	6.72	67	206460	5.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.20%
41) Toluene-d8	7.93	98	581481	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.40%
43) trans-1,3-Dichloropropene-	8.21	79	84935	5.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.00%
46) 2-Hexanone-d5	8.66	63	461233	59.78	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	119.56%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	174314	5.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.40%
64) 1,2-Dichlorobenzene-d4	12.21	152	212400	5.13	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	192130	4.855 ug/L	99
3) Chloromethane	1.53	50	217354	4.558 ug/L	98
5) Vinyl chloride	1.62	62	226230	4.841 ug/L	99
6) Bromomethane	1.88	94	122914	4.620 ug/L	100
8) Chloroethane	1.95	64	130874	4.553 ug/L	97
9) Trichlorofluoromethane	2.16	101	240868	5.042 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	150773	5.090 ug/L	100
12) 1,1-Dichloroethene	2.61	96	147568	4.915 ug/L	91
13) Acetone	2.69	43	362734	59.211 ug/L	98
14) Carbon disulfide	2.82	76	500829	4.676 ug/L	100
15) Methyl Acetate	2.99	43	87762	5.121 ug/L	100
16) Methylene chloride	3.08	84	166075	4.745 ug/L	99
17) Methyl tert-butyl Ether	3.40	73	406499	4.872 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	158068	4.822 ug/L	98
19) 1,1-Dichloroethane	3.91	63	308296	4.815 ug/L	100
21) 2-Butanone	4.76	43	633156	58.555 ug/L	98
22) cis-1,2-Dichloroethene	4.71	96	172199	4.875 ug/L	99

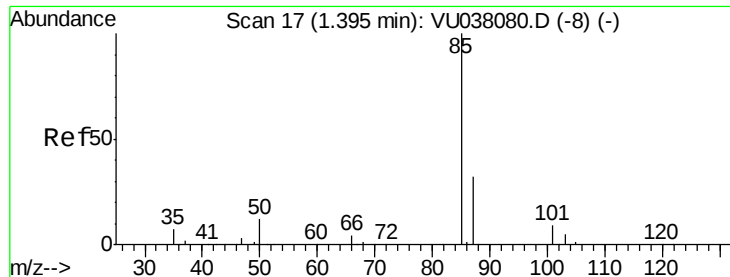
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051220\
 Data File : VU038114.D
 Acq On : 12 May 2020 10:10
 Operator : JC/MD
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 MSVOA_U
 ClientSampleId :

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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon May 11 12:18:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	76627	5.041	ug/L	96
25) Chloroform	5.13	83	296699	4.968	ug/L	96
27) 1,2-Dichloroethane	5.83	62	208824	4.954	ug/L	98
29) 1,1,1-Trichloroethane	5.35	97	244048	5.051	ug/L	99
30) Cyclohexane	5.42	56	297218	5.210	ug/L	97
31) Carbon tetrachloride	5.56	117	196194	5.052	ug/L	99
33) Benzene	5.81	78	676157	5.007	ug/L	100
34) Trichloroethene	6.57	95	169811	5.028	ug/L	99
35) Methylcyclohexane	6.79	83	288105	5.266	ug/L	96
37) 1,2-Dichloropropane	6.82	63	180338	4.916	ug/L	99
38) Bromodichloromethane	7.13	83	209383	4.938	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	266764	5.081	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	1378840	54.236	ug/L	100
42) Toluene	8.00	91	711312	4.990	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	228708	5.123	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	130624	5.128	ug/L	99
47) Tetrachloroethene	8.58	164	120094	5.083	ug/L	99
48) 2-Hexanone	8.71	43	1041367	55.932	ug/L	100
49) Dibromochloromethane	8.84	129	137452	5.200	ug/L	96
50) 1,2-Dibromoethane	8.95	107	121104	5.123	ug/L	98
51) Chlorobenzene	9.47	112	443350	5.011	ug/L	99
52) Ethylbenzene	9.59	91	779527	5.048	ug/L	100
53) m,p-Xylene	9.71	106	297079	5.017	ug/L	98
54) o-Xylene	10.12	106	287109	5.015	ug/L	98
55) Styrene	10.13	104	494499	5.145	ug/L	99
56) Isopropylbenzene	10.50	105	758340	5.157	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	167133	5.168	ug/L	96
59) 1,2,3-Trichloropropane	10.84	75	128956	5.238	ug/L	96
61) Bromoform	10.31	173	75543	5.257	ug/L	97
62) 1,3-Dichlorobenzene	11.76	146	346055	5.002	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	346235	4.939	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	328957	4.943	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	27260	5.012	ug/L	96
67) 1,3,5-Trichlorobenzene	13.25	180	254341	5.067	ug/L	100
68) 1,2,4-trichlorobenzene	13.88	180	231751	5.090	ug/L	99
69) Naphthalene	14.12	128	484035	5.050	ug/L	100
70) 1,2,3-Trichlorobenzene	14.37	180	216774	5.122	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.855 ug/L

RT: 1.40 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038114.D

Acq: 12 May 2020 10:10

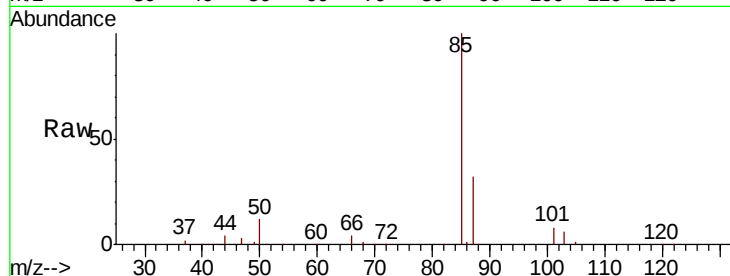
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 85 Resp: 192130

Ion Ratio Lower Upper

85 100

87 32.3 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU038080.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU038080.D (-8) (-)

1.40

200000

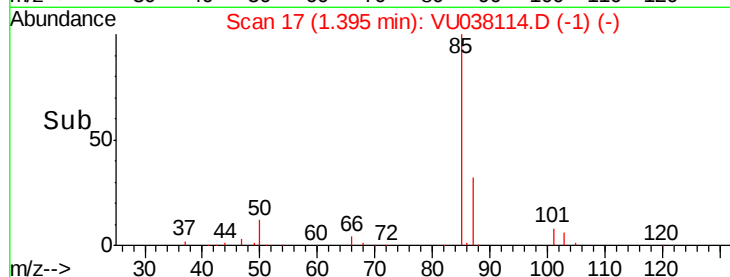
150000

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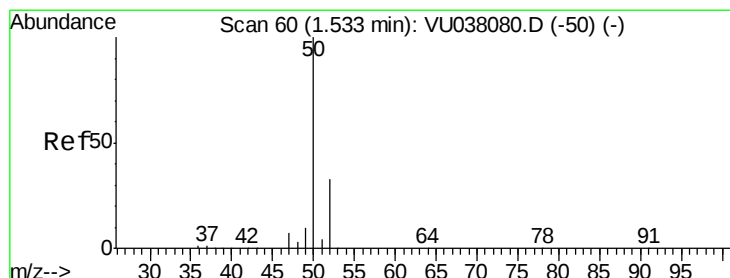
50000

0

Time-->



Time-->



#3

Chloromethane

Concen: 4.558 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU038114.D

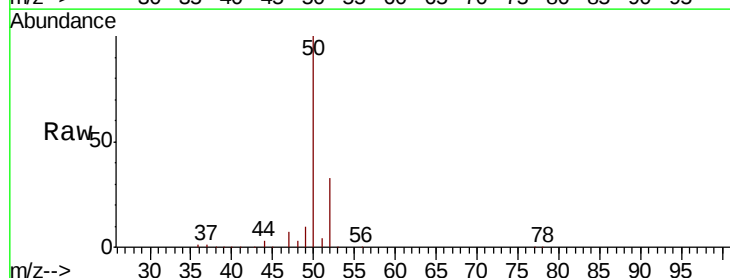
Acq: 12 May 2020 10:10

Tgt Ion: 50 Resp: 217354

Ion Ratio Lower Upper

50 100

52 33.3 22.5 41.7



Abundance Ion 50.05 (49.75 to 50.75): VU038080.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU038080.D (-50) (-)

1.53

200000

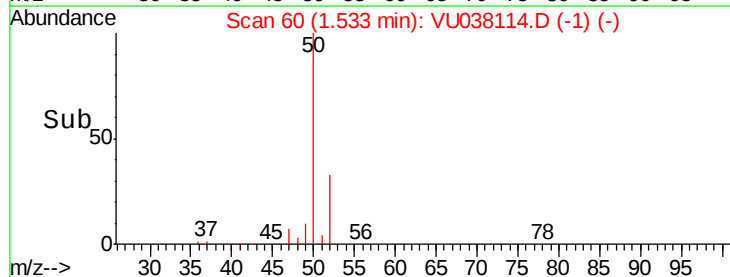
150000

100000

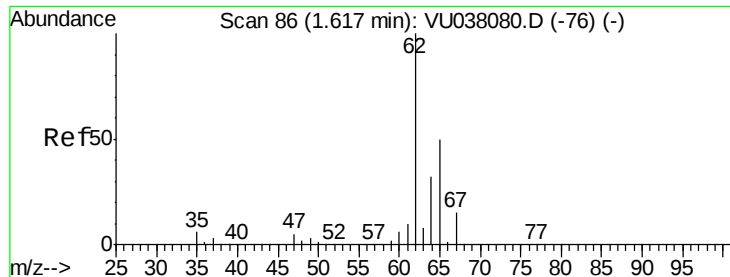
50000

0

Time-->



Time-->



#5

Vinyl chloride

Concen: 4.841 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038114.D

Acq: 12 May 2020 10:10

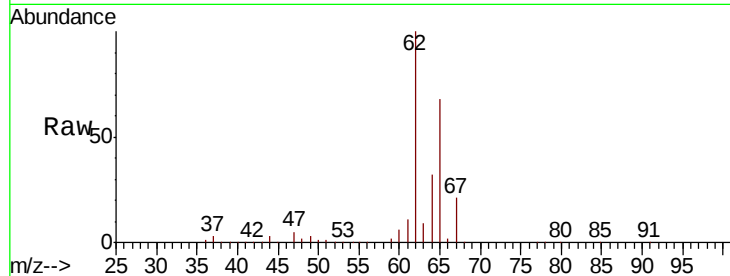
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 62 Resp: 226230

Ion Ratio Lower Upper

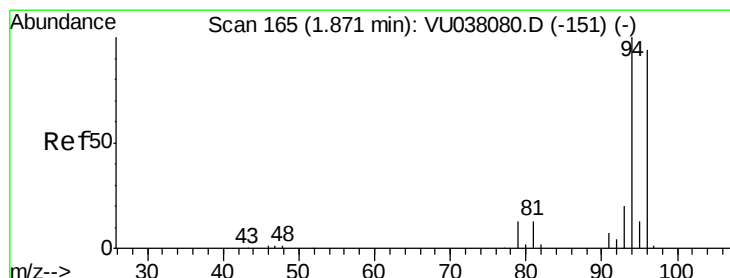
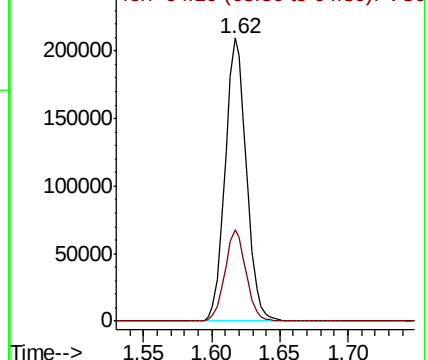
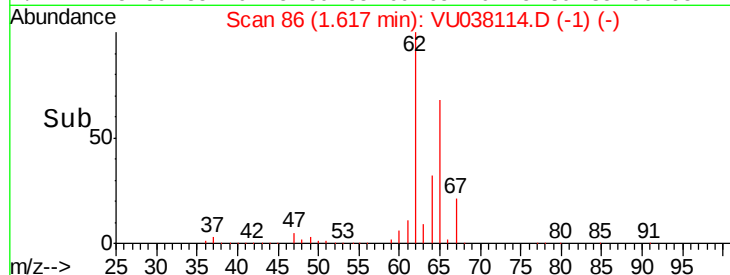
62 100

64 32.1 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU038114.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU038114.D (-1) (-)



#6

Bromomethane

Concen: 4.620 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.01 min

Lab File: VU038114.D

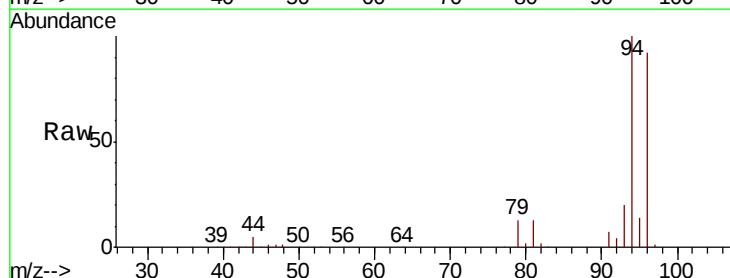
Acq: 12 May 2020 10:10

Tgt Ion: 94 Resp: 122914

Ion Ratio Lower Upper

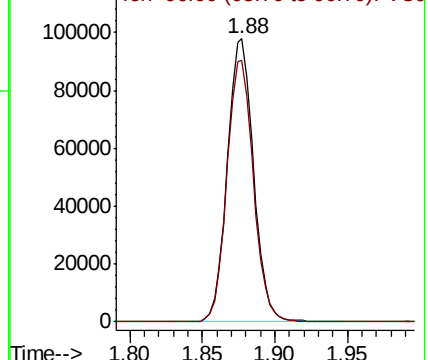
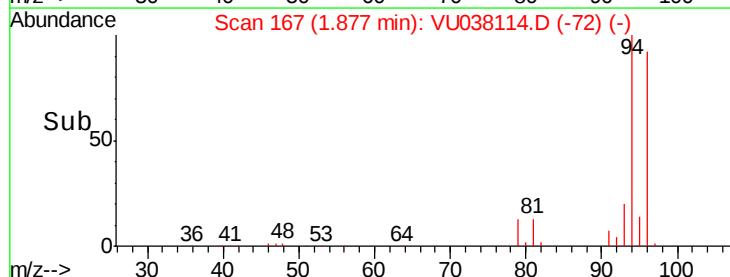
94 100

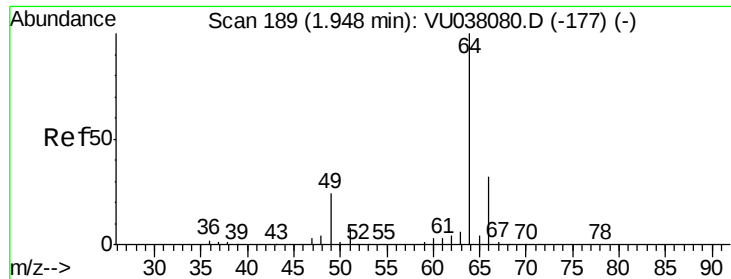
96 92.4 65.0 120.8



Abundance Ion 94.00 (93.70 to 94.70): VU038114.D (-72) (-)

Ion 96.00 (95.70 to 96.70): VU038114.D (-72) (-)





#8

Chloroethane

Concen: 4.553 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.01 min

Lab File: VU038114.D

Acq: 12 May 2020 10:10

Instrument :

MSVOA_U

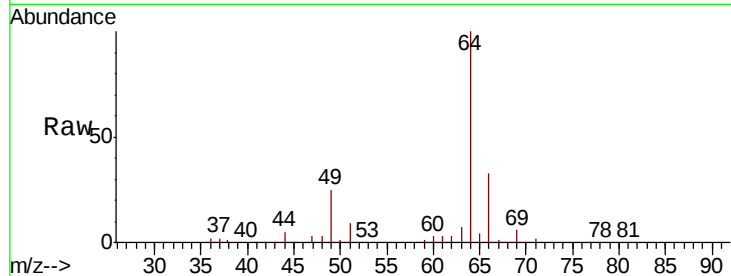
ClientSampleId :

Tot Ion: 64 Resp: 130874

Ion Ratio Lower Upper

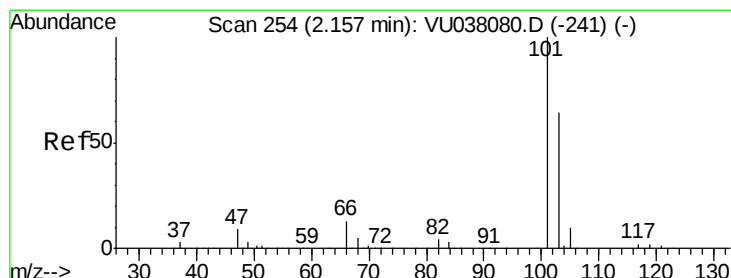
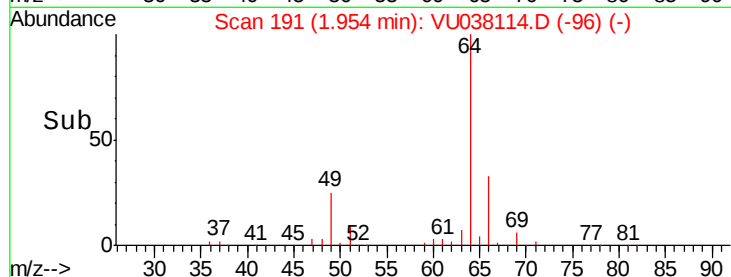
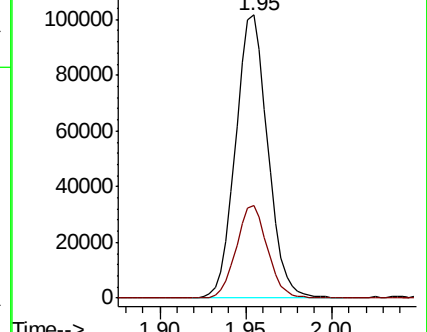
64 100

66 32.7 21.8 40.4



Abundance Ion 64.10 (63.80 to 64.80): VU038114.D (-196) (-)

Ion 66.05 (65.75 to 66.75): VU038114.D (-196) (-)



#9

Trichlorofluoromethane

Concen: 5.042 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU038114.D

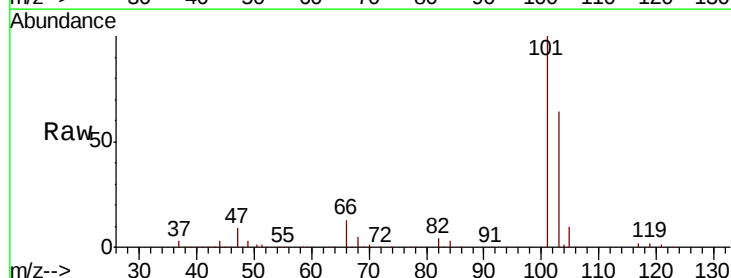
Acq: 12 May 2020 10:10

Tgt Ion:101 Resp: 240868

Ion Ratio Lower Upper

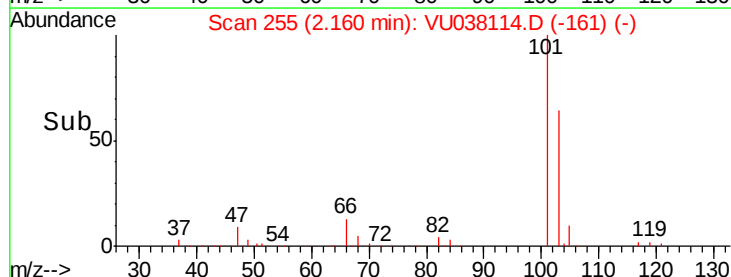
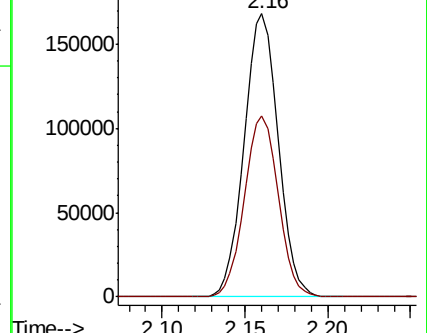
101 100

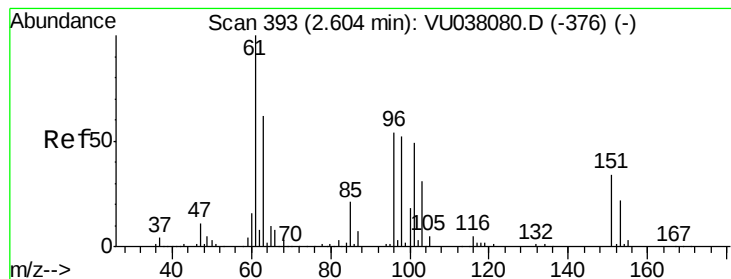
103 63.5 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU038114.D (-261) (-)

Ion 103.00 (102.70 to 103.70): VU038114.D (-261) (-)





#10

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

Concen: 5.090 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038114.D

Acq: 12 May 2020 10:10

Instrument :

MSVOA_U

ClientSampled :

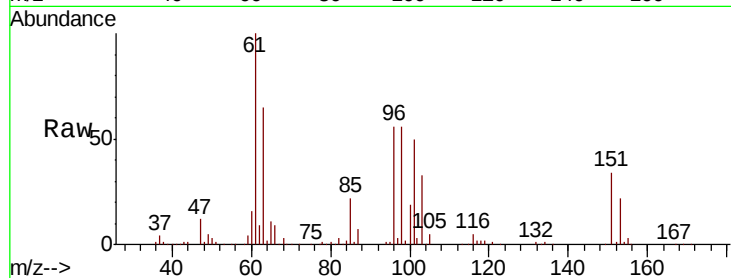
Tot Ion:101 Resp: 150773

Ion Ratio Lower Upper

101 100

85 44.2 35.3 52.9

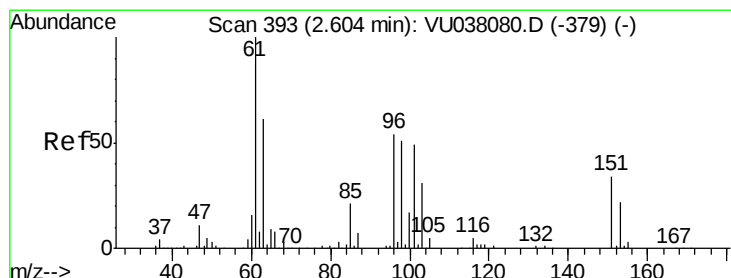
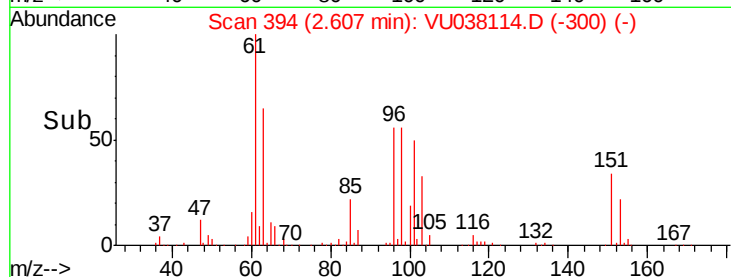
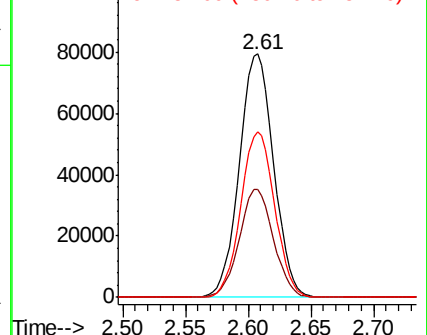
151 67.3 54.2 81.2



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: 4.915 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038114.D

Acq: 12 May 2020 10:10

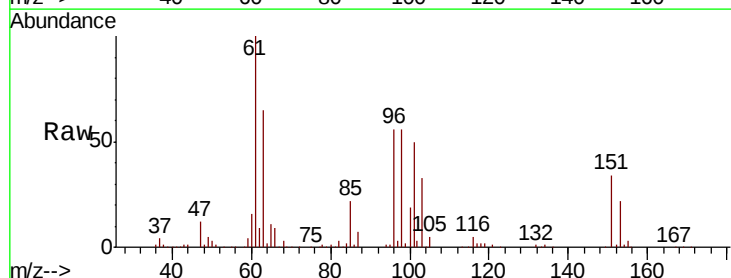
Tgt Ion: 96 Resp: 147568

Ion Ratio Lower Upper

96 100

61 177.5 126.2 234.4

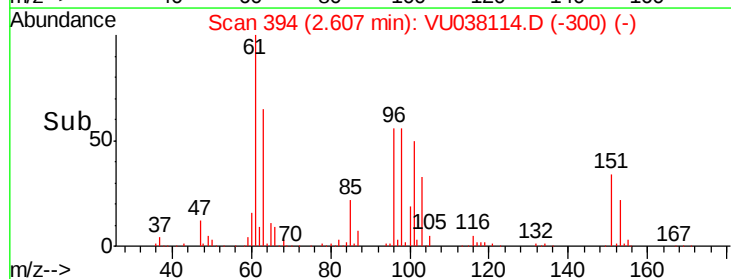
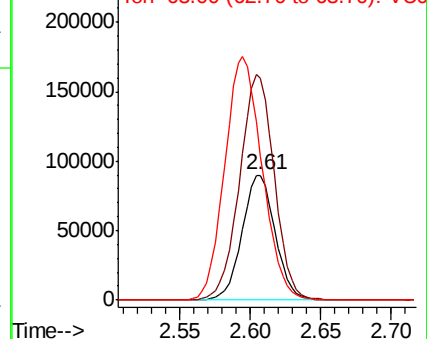
63 115.4 96.9 179.9

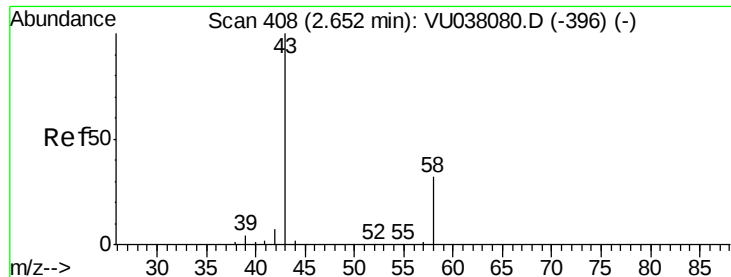


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 59.211 ug/L

RT: 2.69 min Scan# 420

Delta R.T. 0.04 min

Lab File: VU038114.D

Acq: 12 May 2020 10:10

Instrument :

MSVOA_U

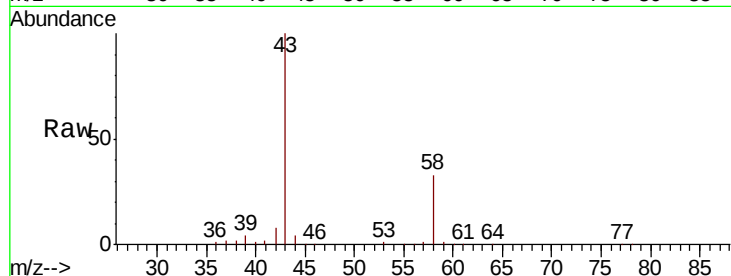
ClientSampleId :

Tot Ion: 43 Resp: 362734

Ion Ratio Lower Upper

43 100

58 32.7 0.0 63.6



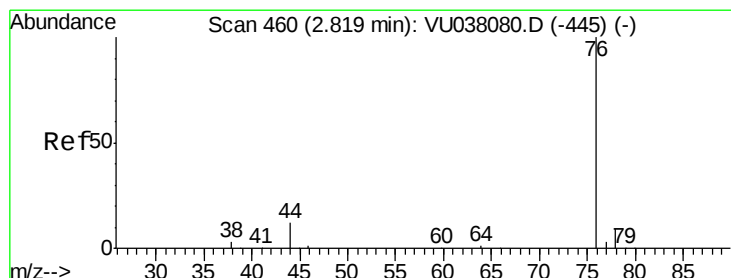
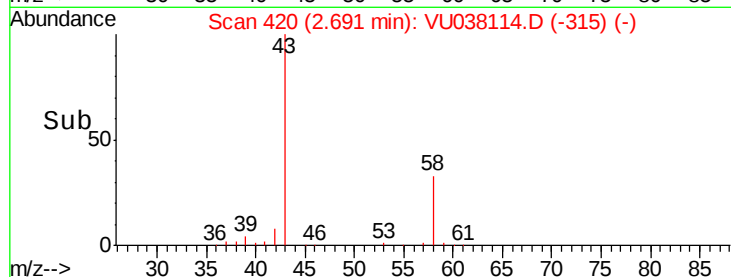
Abundance Ion 43.05 (42.75 to 43.75): VU038114.D (-315) (-)

Ion 58.05 (57.75 to 58.75): VU038114.D (-315) (-)

2.69

Time-->

2.60 2.80 3.00



#14

Carbon disulfide

Concen: 4.676 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU038114.D

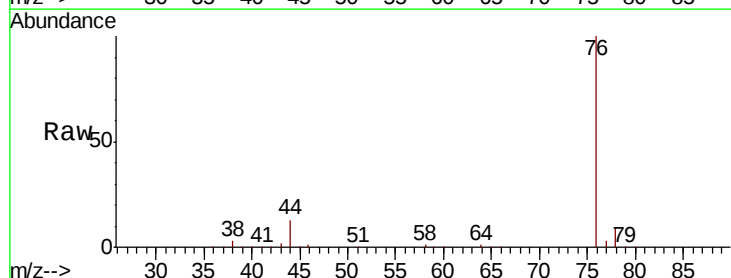
Acq: 12 May 2020 10:10

Tgt Ion: 76 Resp: 500829

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7



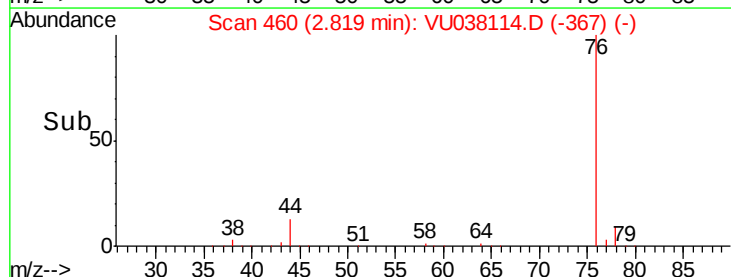
Abundance Ion 76.05 (75.75 to 76.75): VU038114.D (-367) (-)

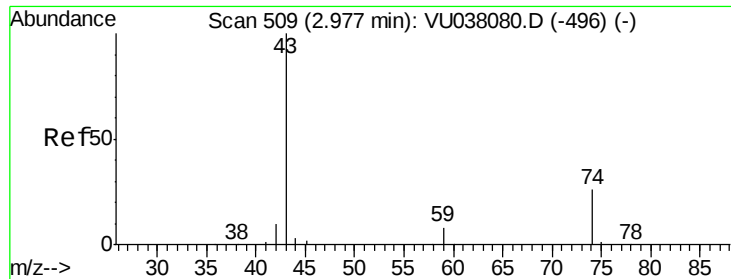
Ion 78.00 (77.70 to 78.70): VU038114.D (-367) (-)

2.82

Time-->

2.80 2.90





#15

Methvl Acetate

Concen: 5.121 ug/L

RT: 2.99 min Scan# 514

Delta R.T. 0.02 min

Lab File: VU038114.D

Acq: 12 May 2020 10:10

Instrument :

MSVOA_U

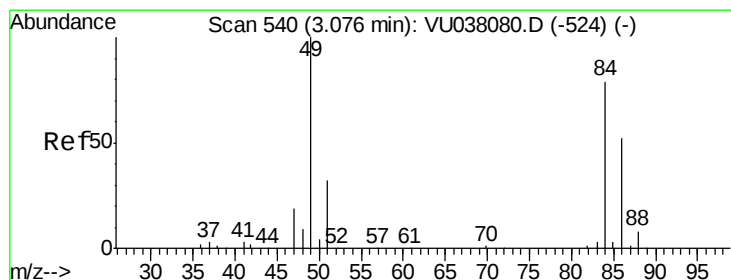
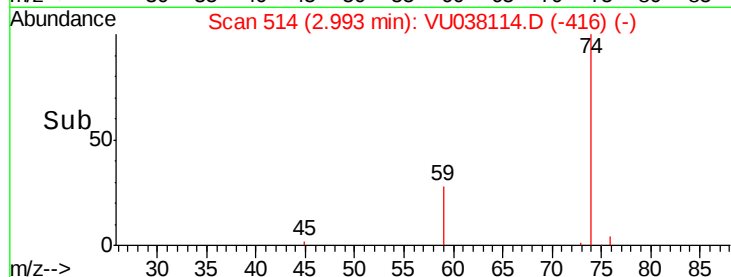
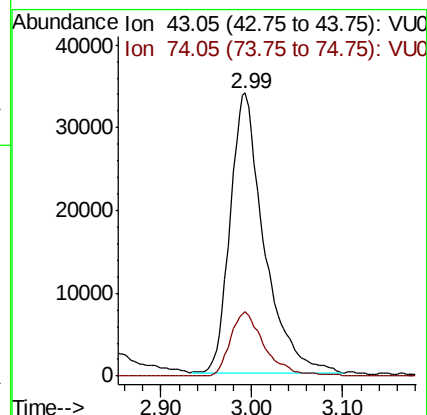
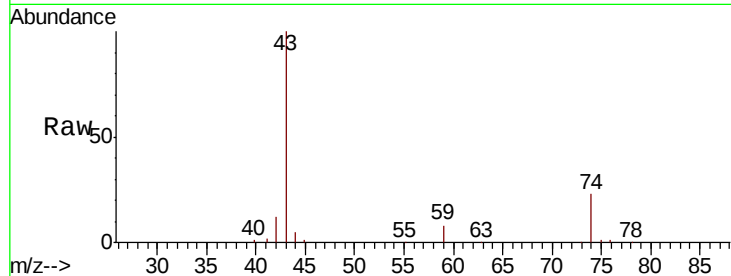
ClientSampleId :

Tot Ion: 43 Resp: 87762

Ion Ratio Lower Upper

43 100

74 22.6 18.0 27.0



#16

Methylene chloride

Concen: 4.745 ug/L

RT: 3.08 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU038114.D

Acq: 12 May 2020 10:10

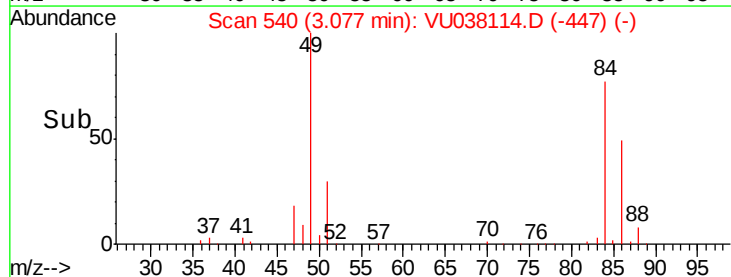
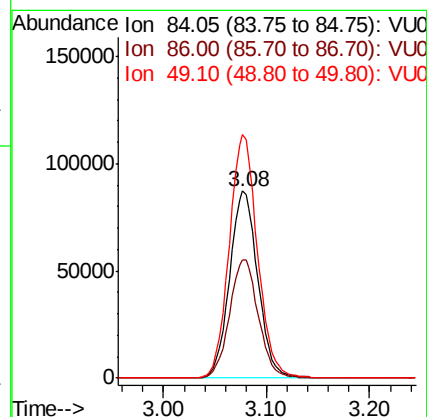
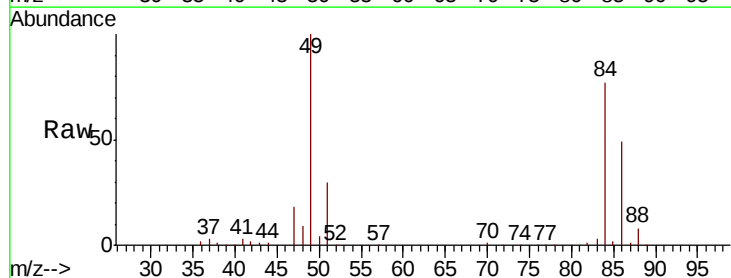
Tgt Ion: 84 Resp: 166075

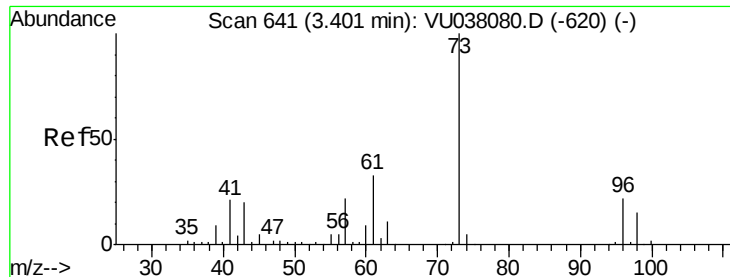
Ion Ratio Lower Upper

84 100

86 63.3 44.9 83.3

49 130.2 92.0 170.9

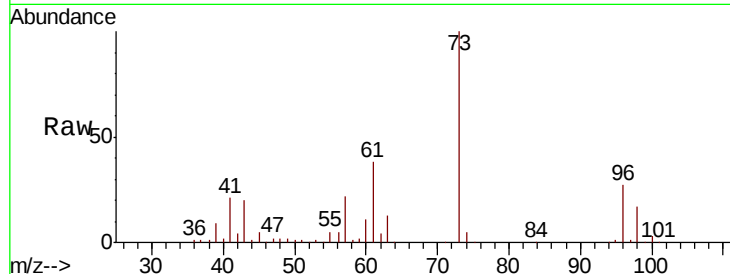




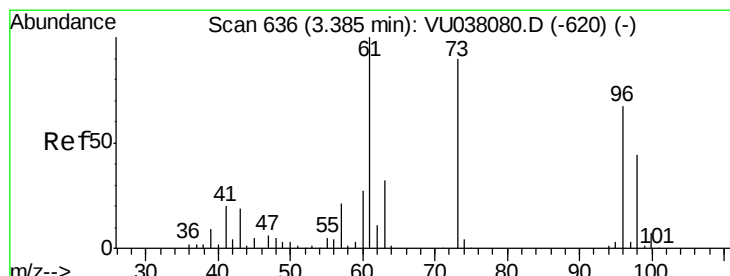
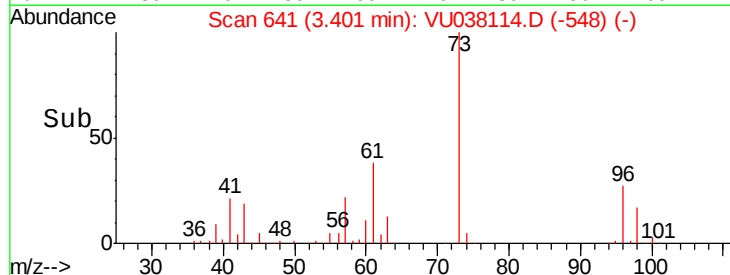
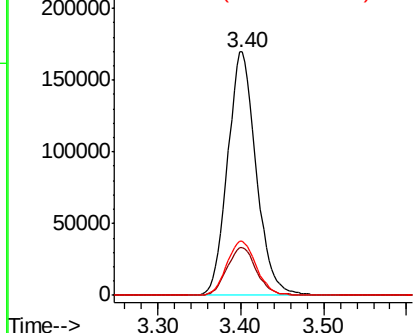
#17
Methvl tert-butvl Ether
Concen: 4.872 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU038114.D
Acq: 12 May 2020 10:10

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 406499
Ion Ratio Lower Upper
73 100
43 20.2 16.9 25.3
57 23.1 18.2 27.2

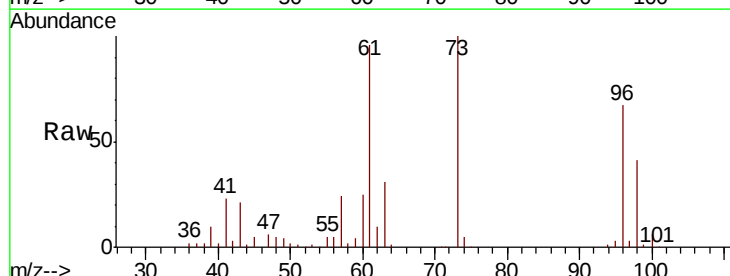


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

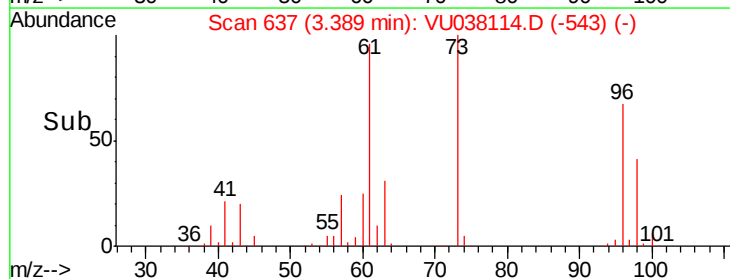
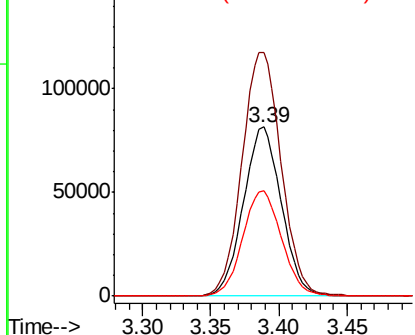


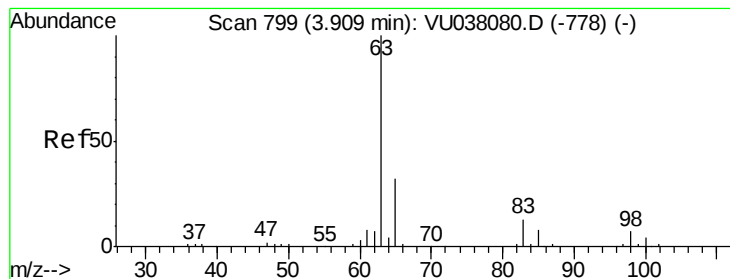
#18
trans-1,2-Dichloroethene
Concen: 4.822 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU038114.D
Acq: 12 May 2020 10:10

Tgt Ion: 96 Resp: 158068
Ion Ratio Lower Upper
96 100
61 143.9 102.1 189.5
98 62.3 45.6 84.8



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: 4.815 ug/L

RT: 3.91 min Scan# 799

Delta R.T. 0.00 min

Lab File: VU038114.D

Acq: 12 May 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

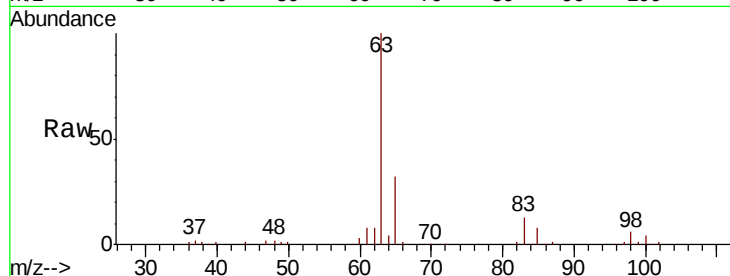
Tot Ion: 63 Resp: 308296

Ion Ratio Lower Upper

63 100

65 32.2 22.5 41.7

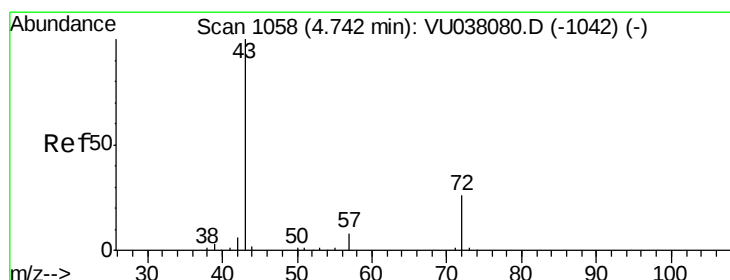
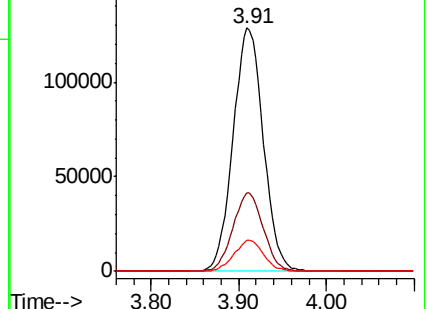
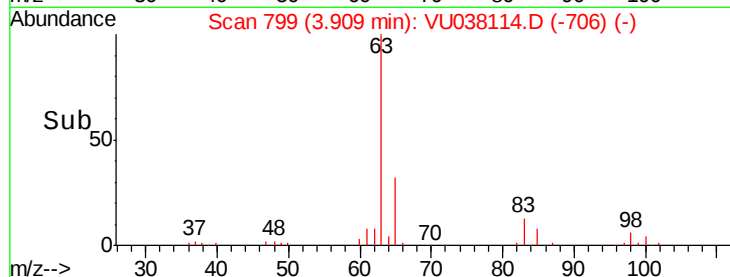
83 12.7 8.9 16.5



Abundance Ion 63.10 (62.80 to 63.80): VU038114.D (-706) (-)

Ion 65.10 (64.80 to 65.80): VU038114.D (-706) (-)

Ion 83.05 (82.75 to 83.75): VU038114.D (-706) (-)



#21

2-Butanone

Concen: 58.555 ug/L

RT: 4.76 min Scan# 1065

Delta R.T. 0.02 min

Lab File: VU038114.D

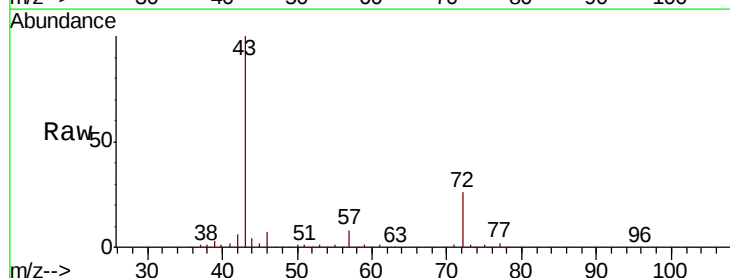
Acq: 12 May 2020 10:10

Tgt Ion: 43 Resp: 633156

Ion Ratio Lower Upper

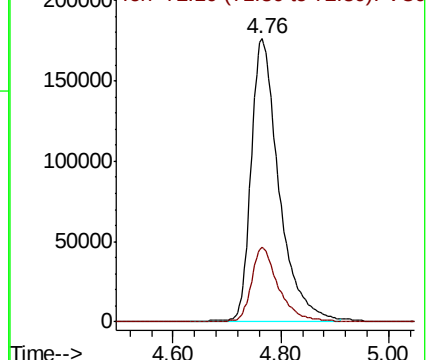
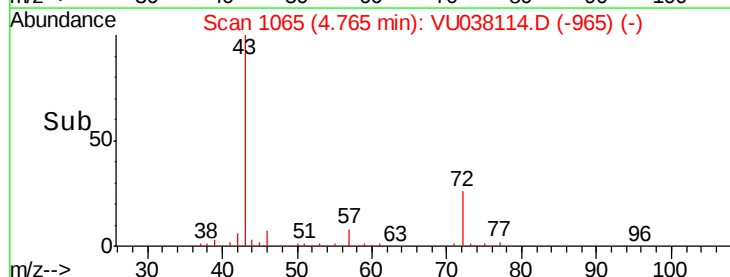
43 100

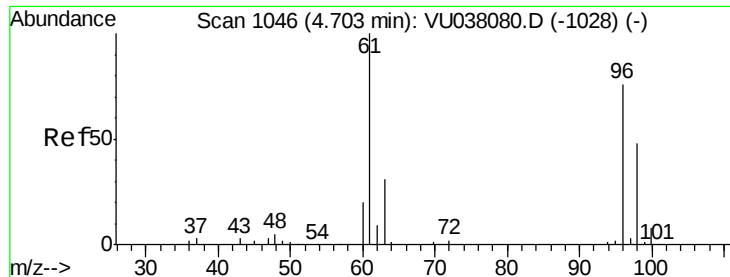
72 25.7 13.5 40.4



Abundance Ion 43.05 (42.75 to 43.75): VU038114.D (-965) (-)

Ion 72.10 (71.80 to 72.80): VU038114.D (-965) (-)

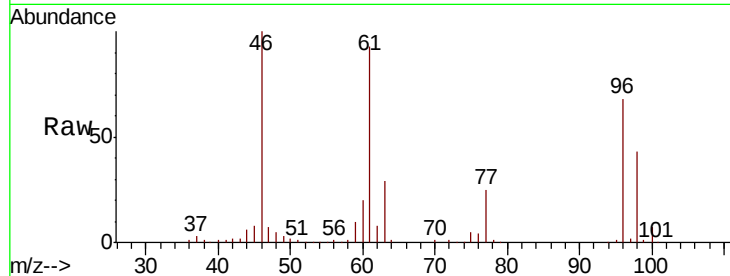




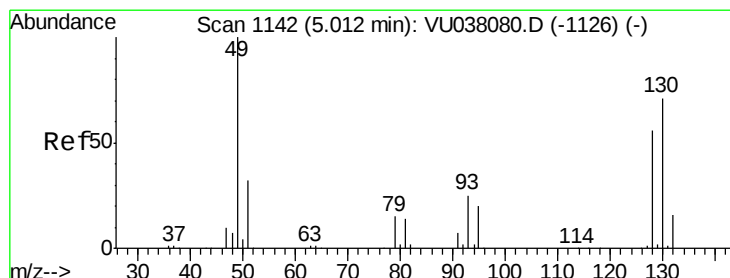
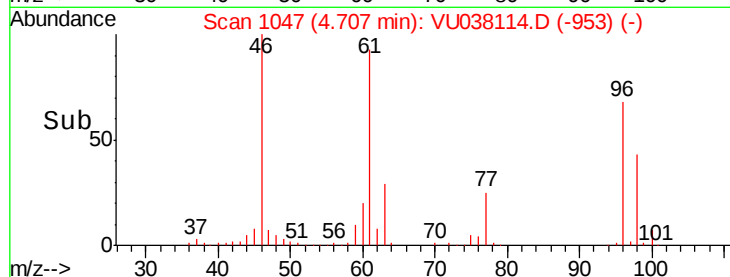
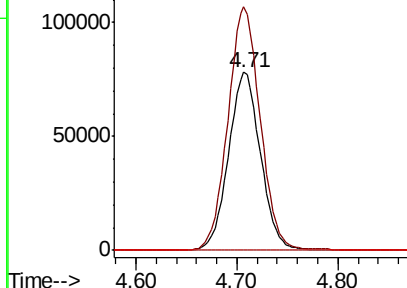
#22
 cis-1,2-Dichloroethene
 Concen: 4.875 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. 0.00 min
 Lab File: VU038114.D
 Acq: 12 May 2020 10:10

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 96 Resp: 172199
 Ion Ratio Lower Upper
 96 100
 61 136.7 95.3 176.9
 68 0.0 0.0 0.0

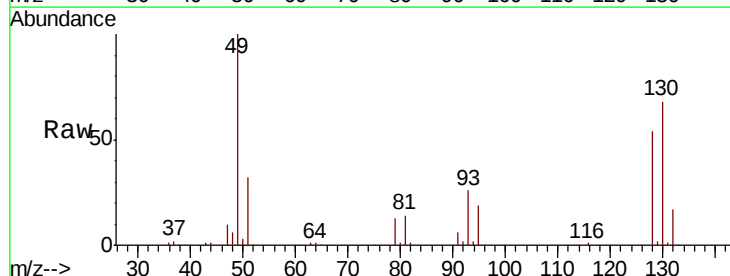


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

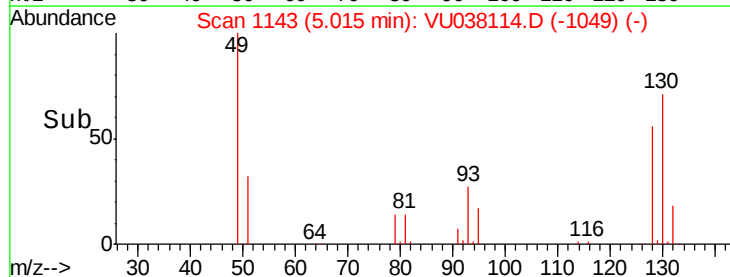
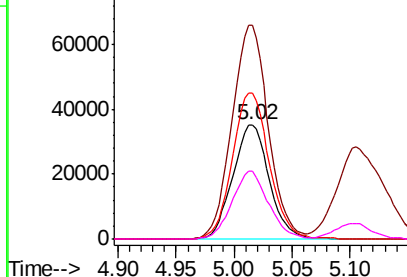


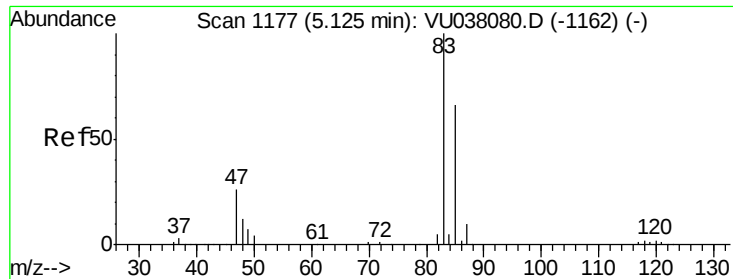
#23
 Bromochloromethane
 Concen: 5.041 ug/L
 RT: 5.02 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VU038114.D
 Acq: 12 May 2020 10:10

Tgt Ion: 128 Resp: 76627
 Ion Ratio Lower Upper
 128 100
 49 186.1 135.6 251.8
 130 127.1 91.4 169.8
 51 59.0 49.6 74.4



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

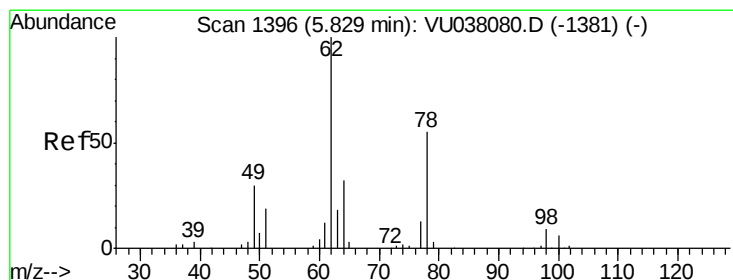
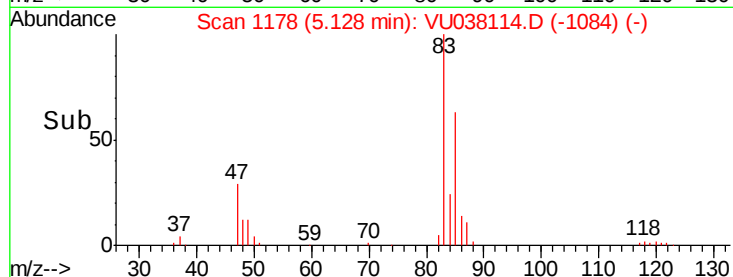
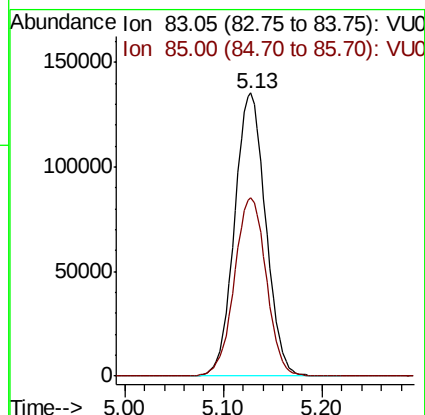
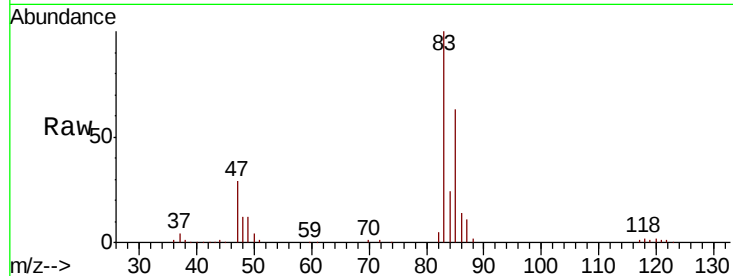




#25
Chloroform
Concen: 4.968 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU038114.D
Acq: 12 May 2020 10:10

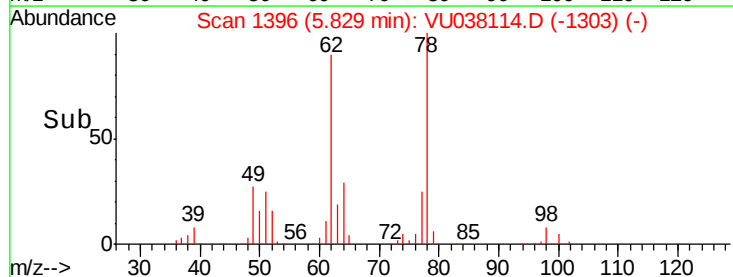
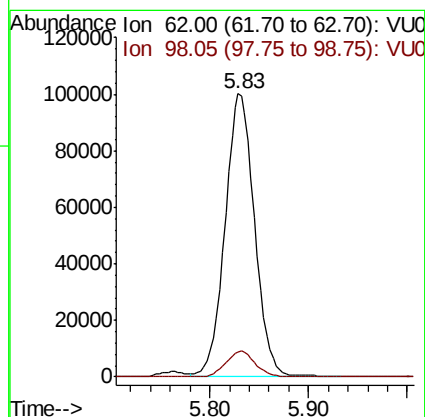
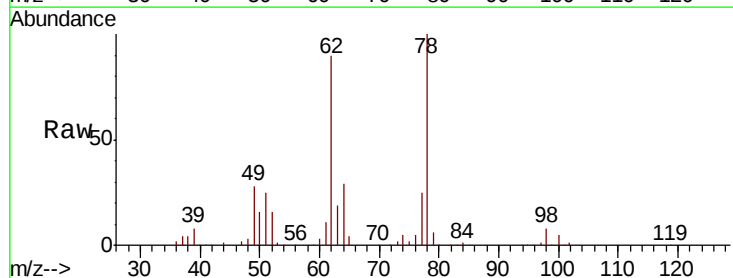
Instrument :
MSVOA_U
ClientSampled :

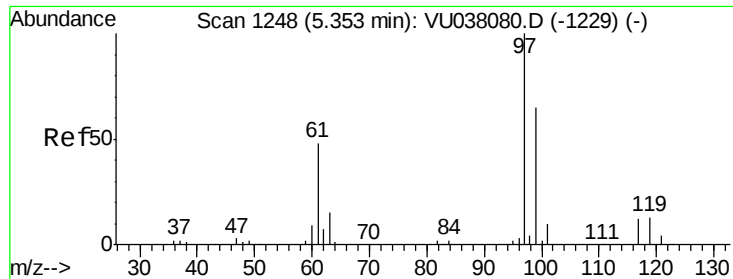
Tot Ion: 83 Resp: 296699
Ion Ratio Lower Upper
83 100
85 62.9 46.2 85.8



#27
1,2-Dichloroethane
Concen: 4.954 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU038114.D
Acq: 12 May 2020 10:10

Tgt Ion: 62 Resp: 208824
Ion Ratio Lower Upper
62 100
98 9.0 7.8 11.8

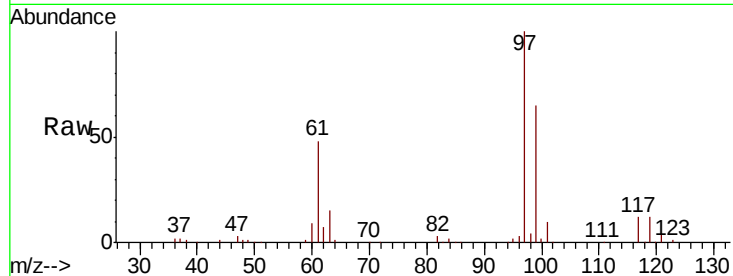




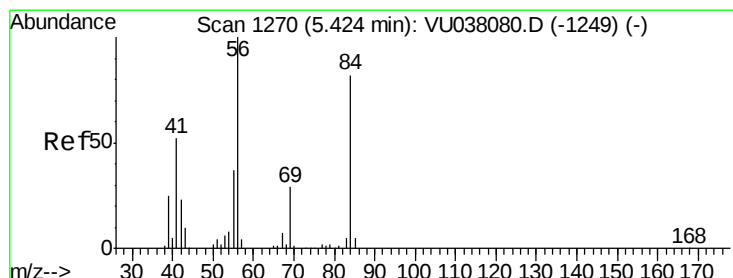
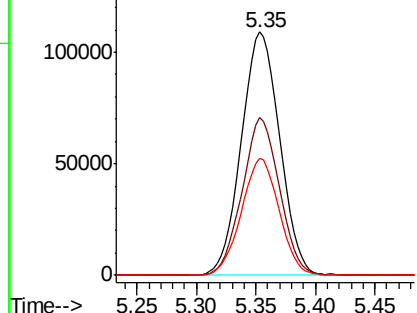
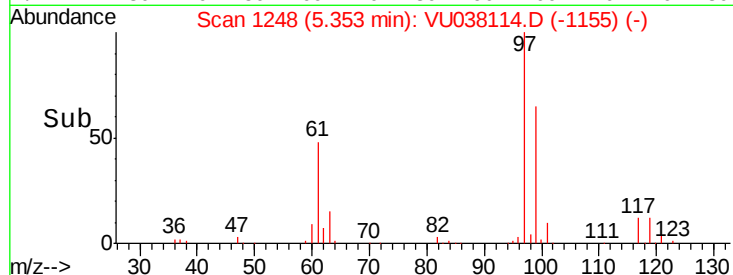
#29
 1,1,1-Trichloroethane
 Concen: 5.051 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VU038114.D
 Acq: 12 May 2020 10:10

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 97 Resp: 244048
 Ion Ratio Lower Upper
 97 100
 99 62.9 51.0 76.4
 61 47.3 38.2 57.4

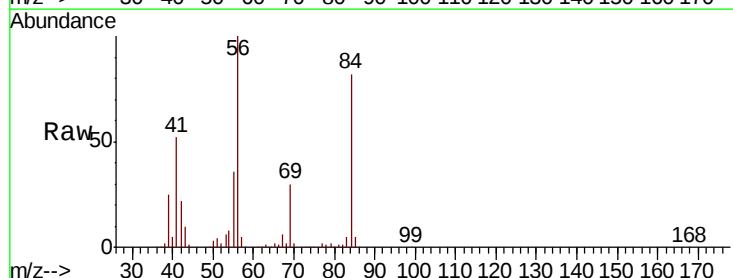


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

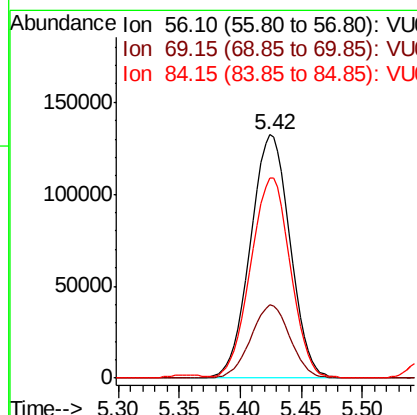
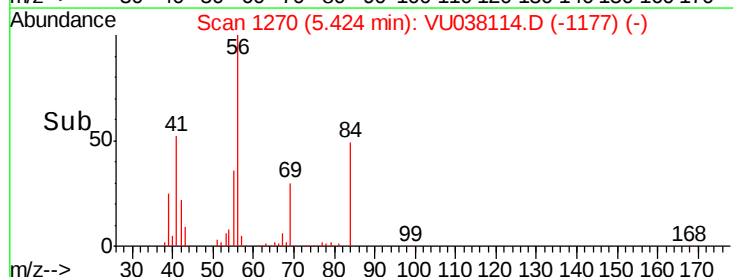


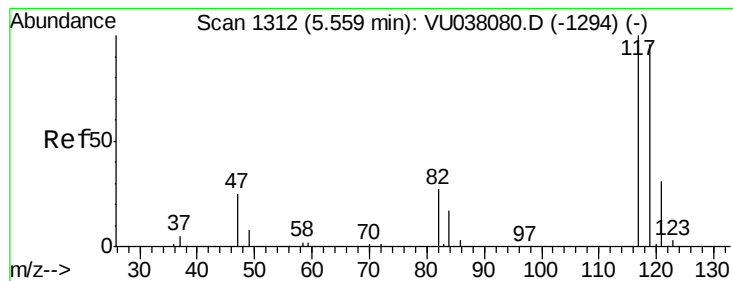
#30
 Cyclohexane
 Concen: 5.210 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VU038114.D
 Acq: 12 May 2020 10:10

Tgt Ion: 56 Resp: 297218
 Ion Ratio Lower Upper
 56 100
 69 29.7 24.2 36.4
 84 82.5 68.5 102.7



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





#31

Carbon tetrachloride

Concen: 5.052 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU038114.D

Acq: 12 May 2020 10:10

Instrument :

MSVOA_U

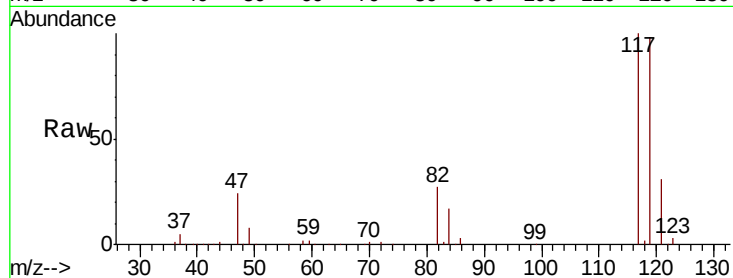
ClientSampled :

Tot Ion:117 Resp: 196194

Ion Ratio Lower Upper

117 100

119 95.6 75.4 113.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.56

100000

80000

60000

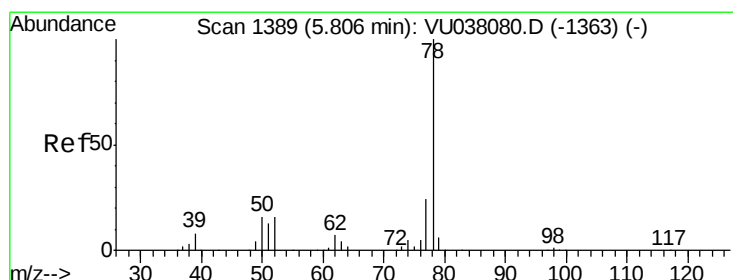
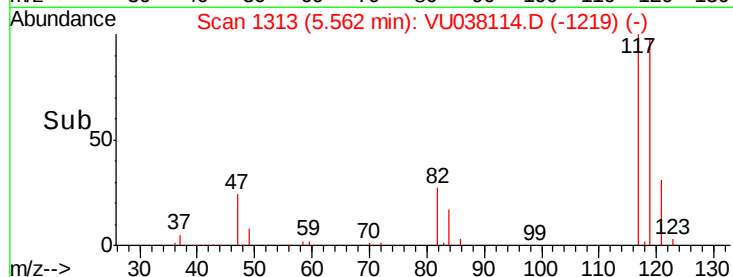
40000

20000

0

Time-->

5.45 5.50 5.55 5.60 5.65



#33

Benzene

Concen: 5.007 ug/L

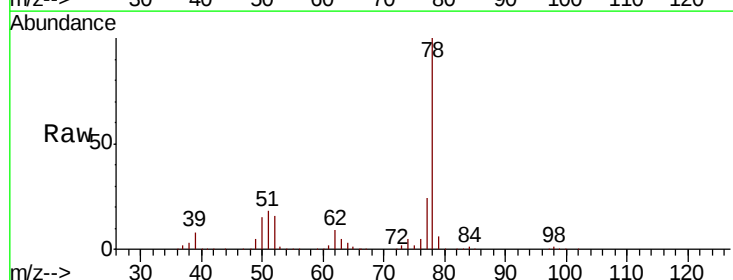
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU038114.D

Acq: 12 May 2020 10:10

Tgt Ion: 78 Resp: 676157



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.81

300000

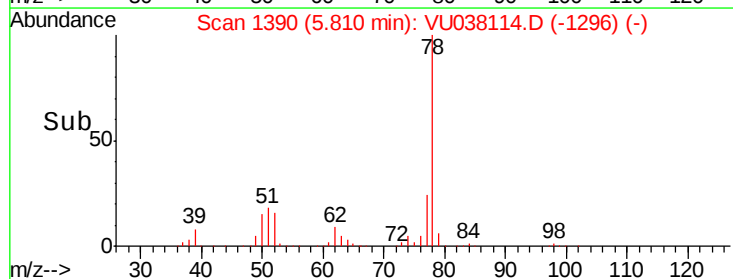
200000

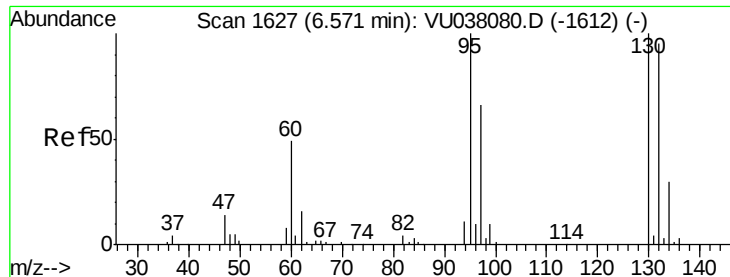
100000

0

Time-->

5.70 5.80 5.90 6.00

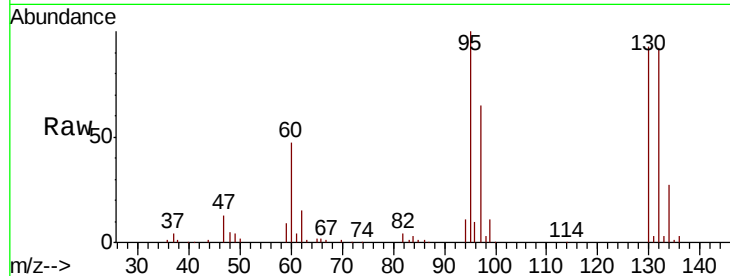




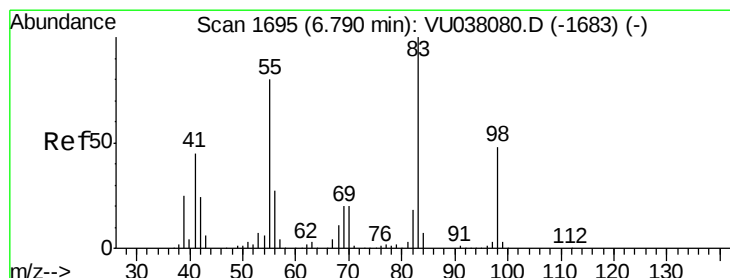
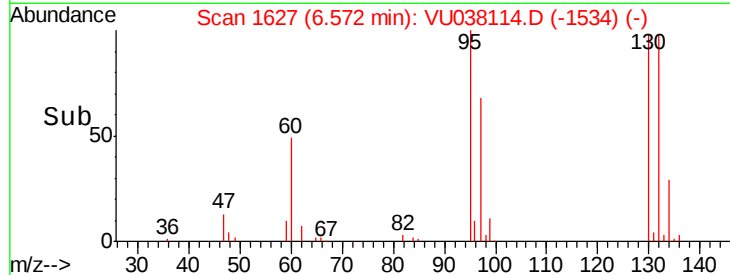
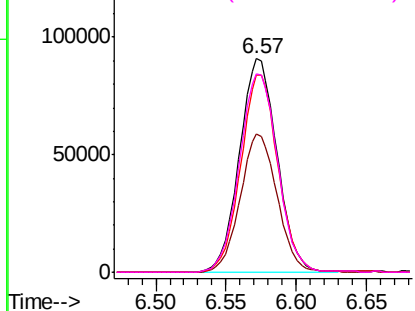
#34
 Trichloroethene
 Concen: 5.028 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU038114.D
 Acq: 12 May 2020 10:10

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 95 Resp: 169811
 Ion Ratio Lower Upper
 95 100
 97 64.5 44.9 83.3
 132 92.3 63.3 117.5
 130 92.7 65.7 122.1

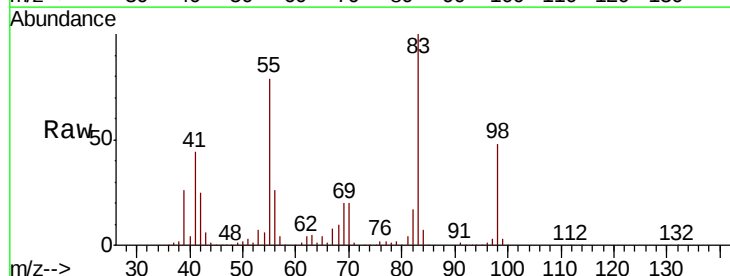


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

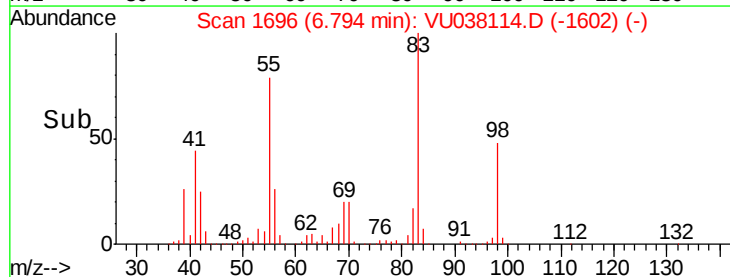
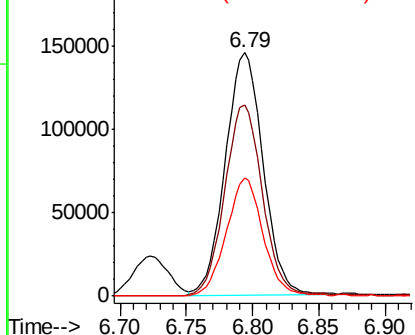


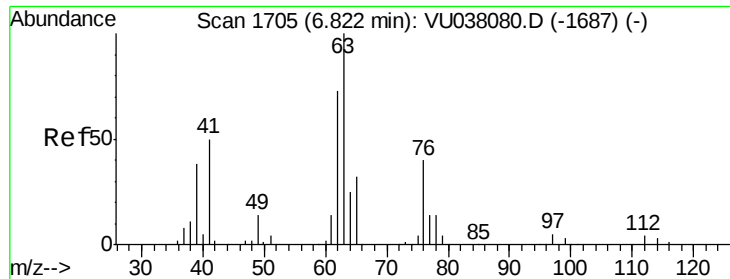
#35
 Methylcyclohexane
 Concen: 5.266 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU038114.D
 Acq: 12 May 2020 10:10

Tgt Ion: 83 Resp: 288105
 Ion Ratio Lower Upper
 83 100
 55 79.5 66.7 100.1
 98 47.4 39.4 59.2



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

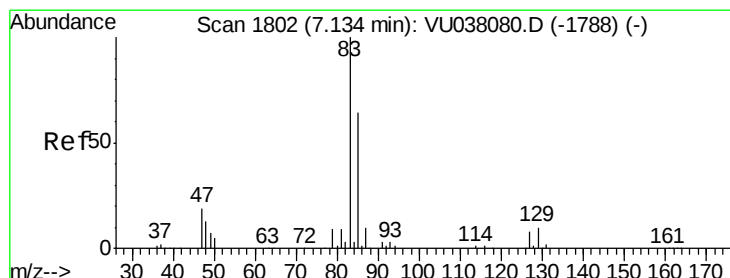
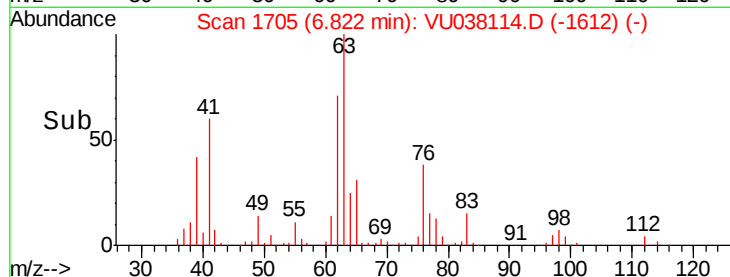
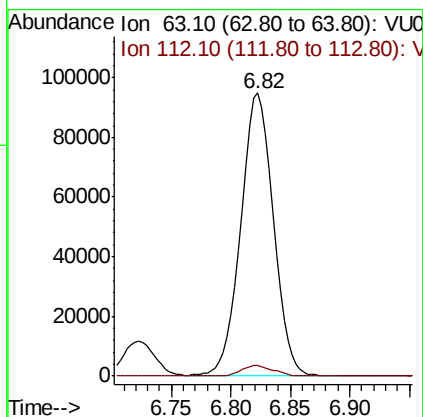
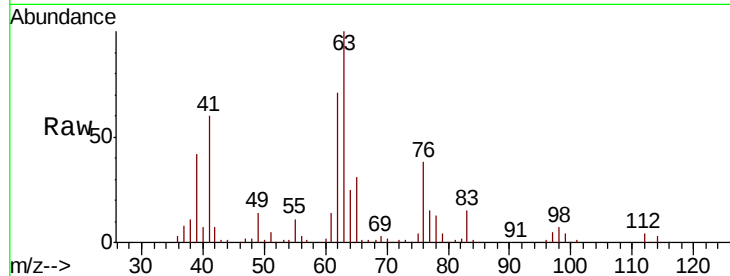




#37
 1,2-Dichloropropane
 Concen: 4.916 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU038114.D
 Acq: 12 May 2020 10:10

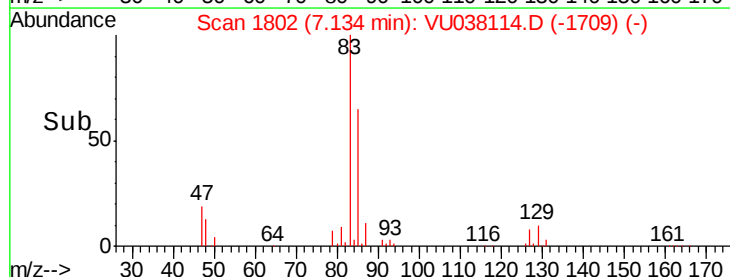
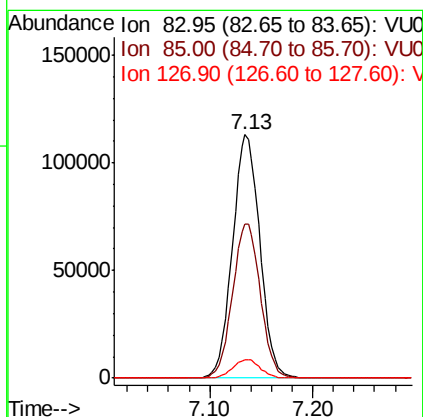
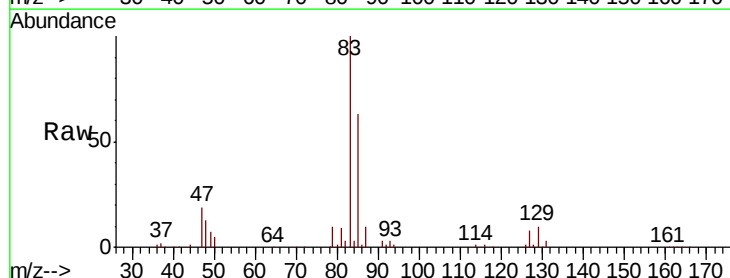
Instrument :
 MSVOA_U
 ClientSampled :

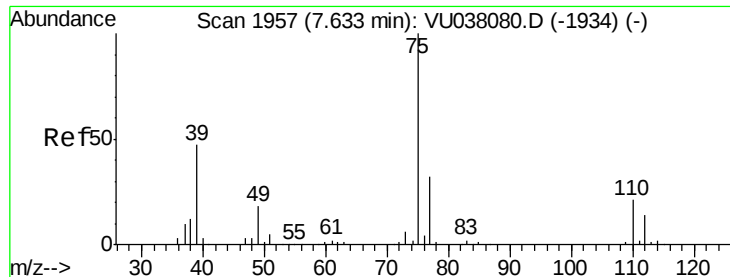
Tot Ion: 63 Resp: 180338
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.1 4.7



#38
 Bromodichloromethane
 Concen: 4.938 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VU038114.D
 Acq: 12 May 2020 10:10

Tgt Ion: 83 Resp: 209383
 Ion Ratio Lower Upper
 83 100
 85 63.3 44.6 82.8
 127 7.6 6.4 9.6

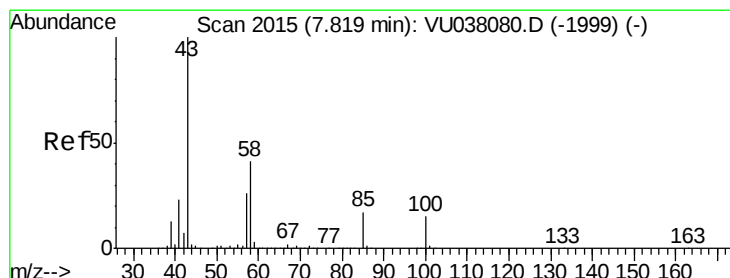
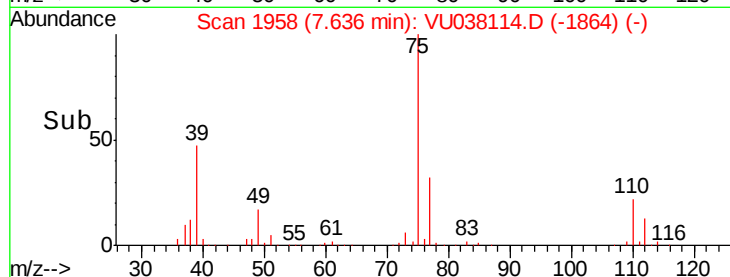
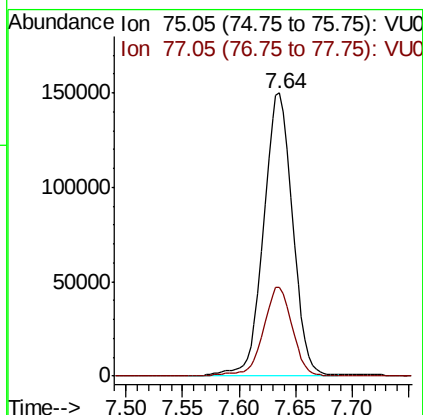
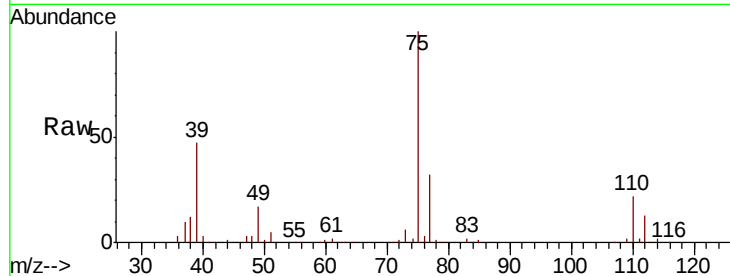




#39
 cis-1,3-Dichloropropene
 Concen: 5.081 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU038114.D
 Acq: 12 May 2020 10:10

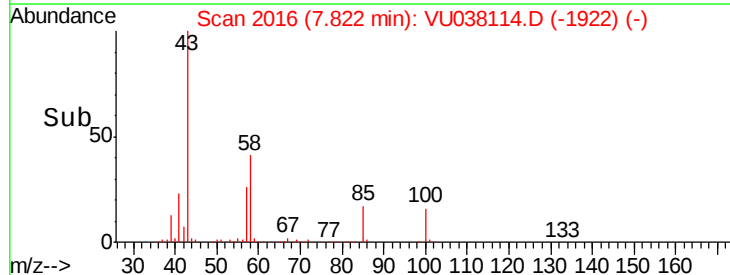
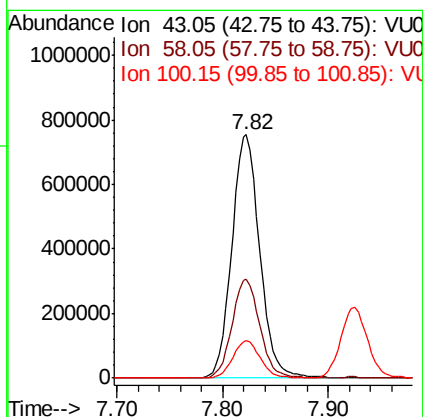
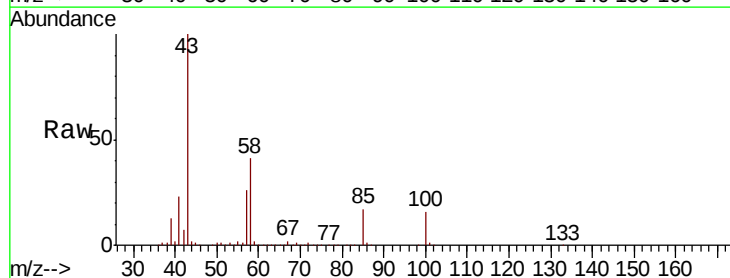
Instrument :
 MSVOA_U
 ClientSampleId :

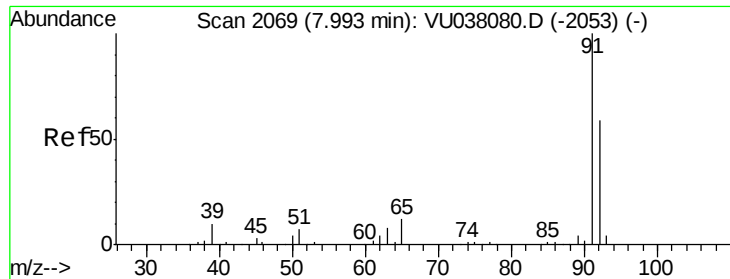
Tot Ion: 75 Resp: 266764
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 54.236 ug/L
 RT: 7.82 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VU038114.D
 Acq: 12 May 2020 10:10

Tgt Ion: 43 Resp: 1378840
 Ion Ratio Lower Upper
 43 100
 58 40.3 32.2 48.4
 100 15.2 12.1 18.1





#42

Toluene

Concen: 4.990 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU038114.D

Acq: 12 May 2020 10:10

Instrument :

MSVOA_U

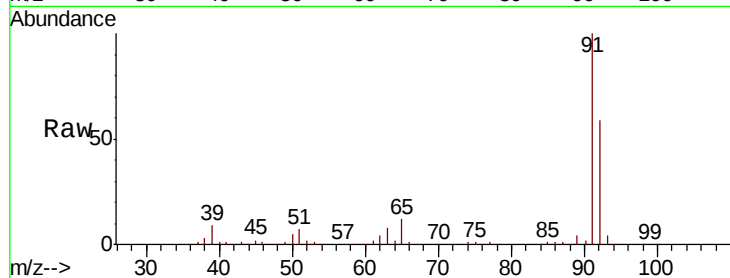
ClientSampleId :

Tot Ion: 91 Resp: 711312

Ion Ratio Lower Upper

91 100

92 59.2 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU038080.D (-2053) (-)

Ion 92.15 (91.85 to 92.85): VU038080.D (-2053) (-)

8.00

400000

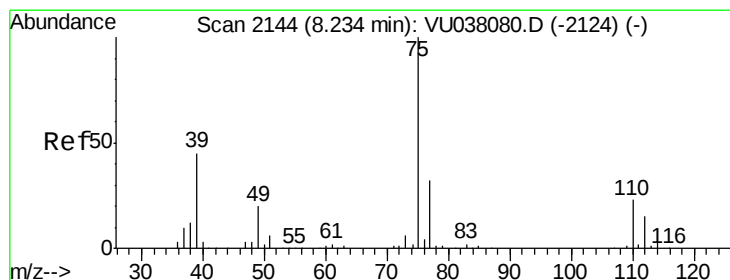
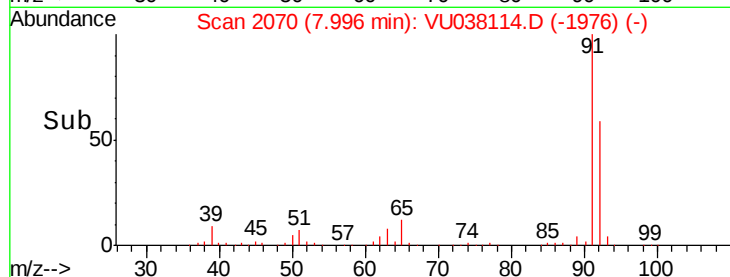
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.123 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU038114.D

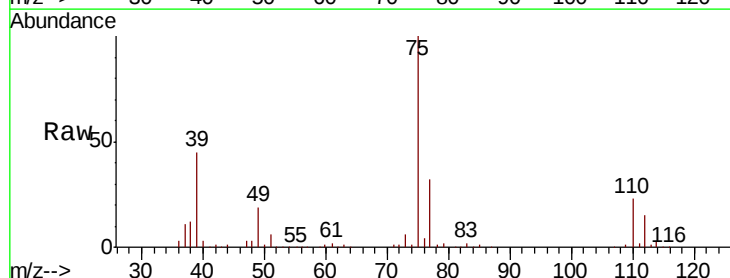
Acq: 12 May 2020 10:10

Tgt Ion: 75 Resp: 228708

Ion Ratio Lower Upper

75 100

77 32.1 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VU038080.D (-2124) (-)

Ion 77.05 (76.75 to 77.75): VU038080.D (-2124) (-)

8.23

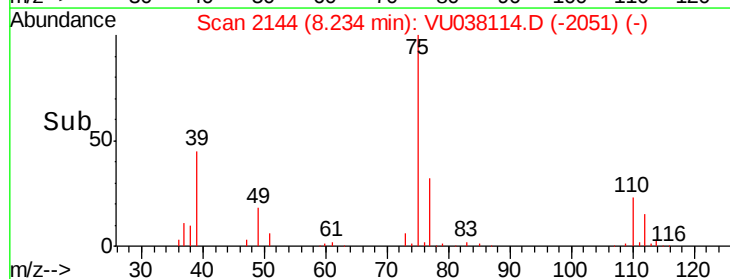
150000

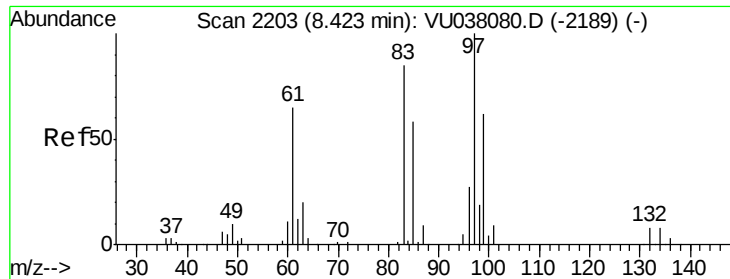
100000

50000

0

Time-->

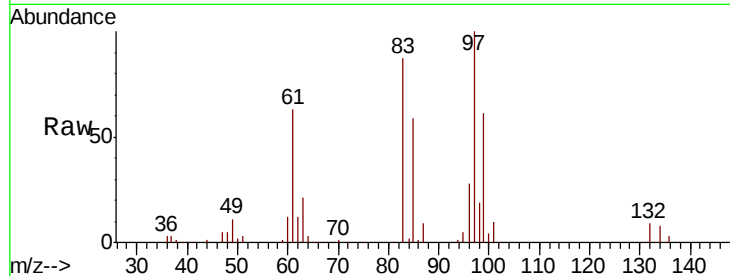




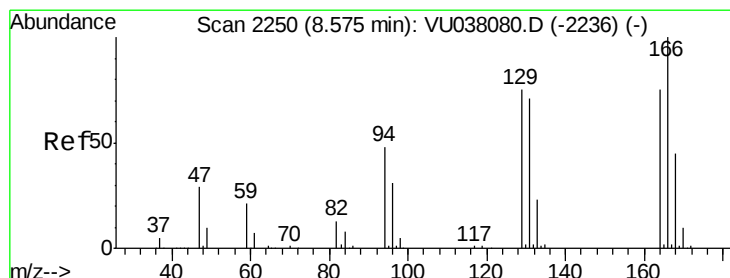
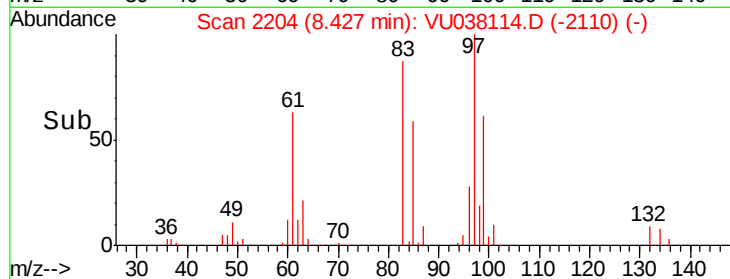
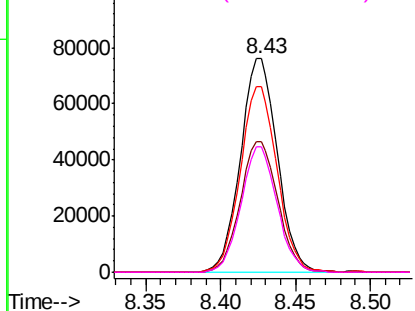
#45
 1,1,2-Trichloroethane
 Concen: 5.128 ug/L
 RT: 8.43 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VU038114.D
 Acq: 12 May 2020 10:10

Instrument :
 MSVOA_U
 ClientSampleID :

Tot Ion:	97	Resp:	130624
Ion	Ratio	Lower	Upper
97	100		
99	61.2	44.0	81.6
83	86.9	59.6	110.8
85	58.9	41.3	76.7

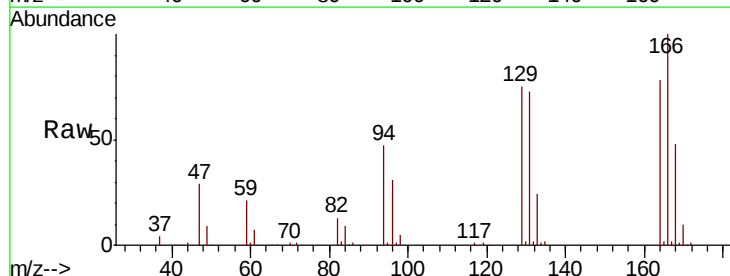


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

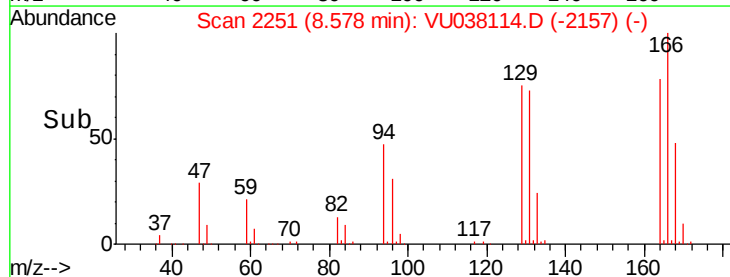
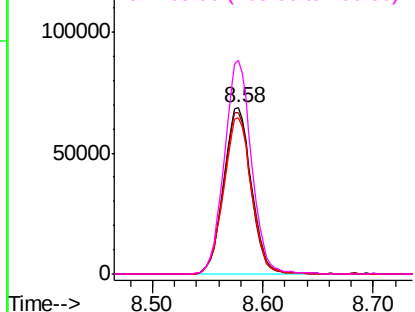


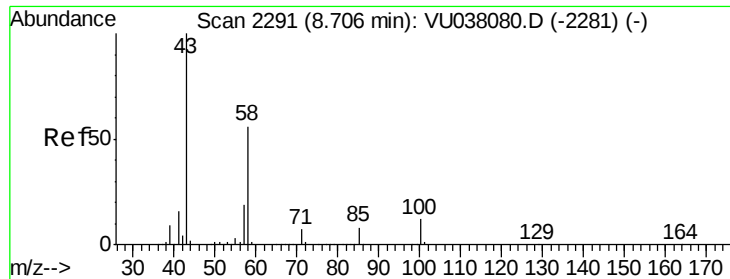
#47
 Tetrachloroethene
 Concen: 5.083 ug/L
 RT: 8.58 min Scan# 2251
 Delta R.T. 0.00 min
 Lab File: VU038114.D
 Acq: 12 May 2020 10:10

Tgt Ion:	164	Resp:	120094
Ion	Ratio	Lower	Upper
164	100		
129	96.9	68.8	127.8
131	94.2	66.8	124.2
166	128.4	88.9	165.1



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

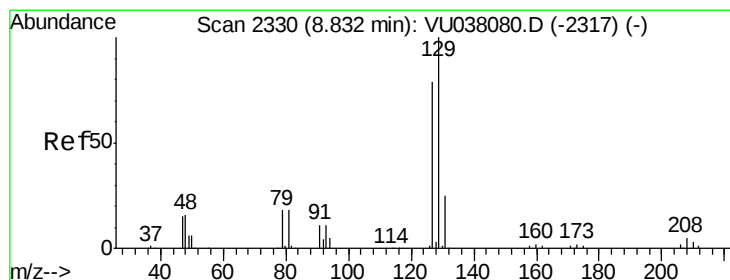
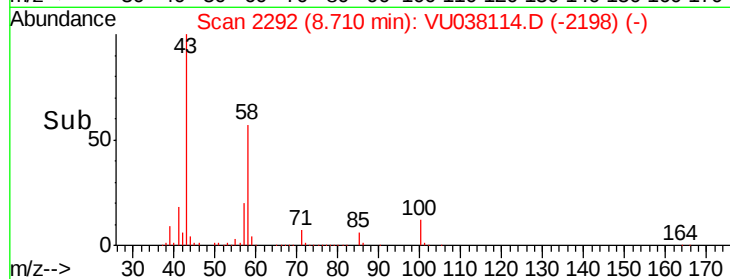
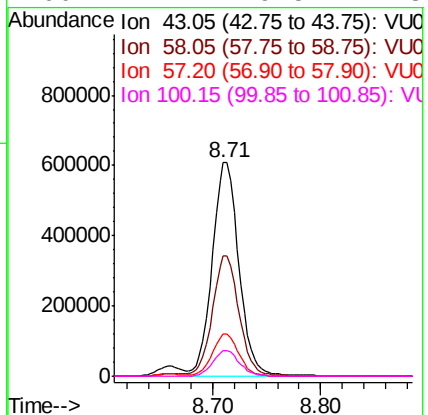
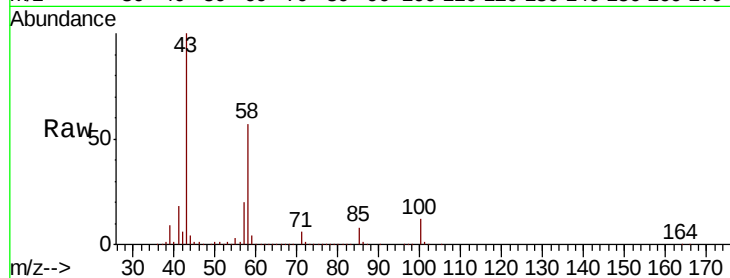




#48
2-Hexanone
Concen: 55.932 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU038114.D
Acq: 12 May 2020 10:10

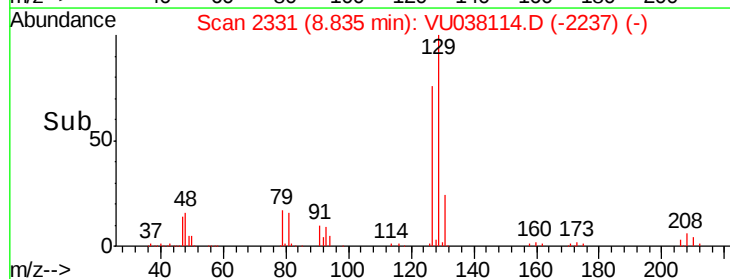
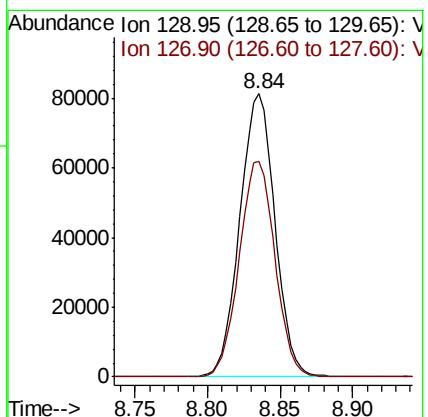
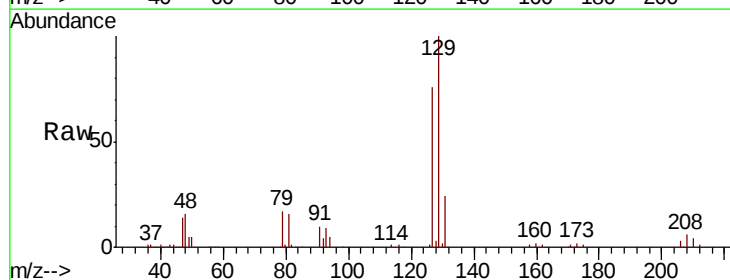
Instrument :
MSVOA_U
ClientSampled :

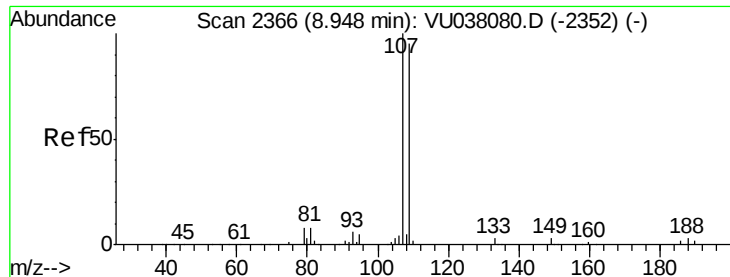
Tot Ion: 43 Resp: 1041367
Ion Ratio Lower Upper
43 100
58 56.6 45.2 67.8
57 19.8 15.5 23.3
100 12.1 9.5 14.3



#49
Dibromochloromethane
Concen: 5.200 ug/L
RT: 8.84 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU038114.D
Acq: 12 May 2020 10:10

Tgt Ion: 129 Resp: 137452
Ion Ratio Lower Upper
129 100
127 76.0 55.6 103.4

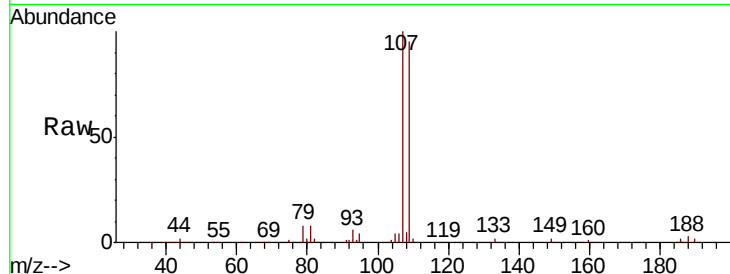




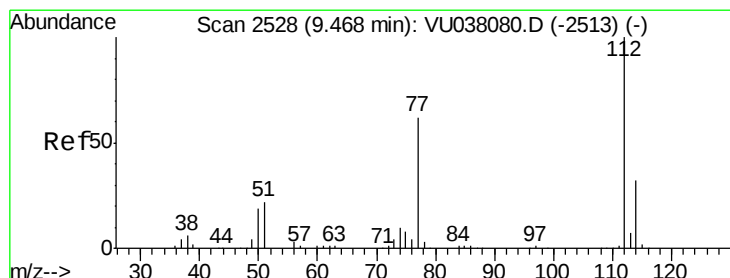
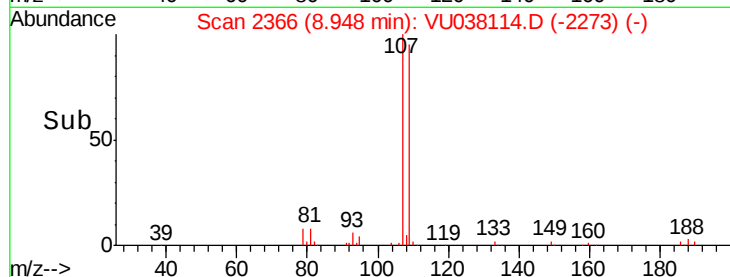
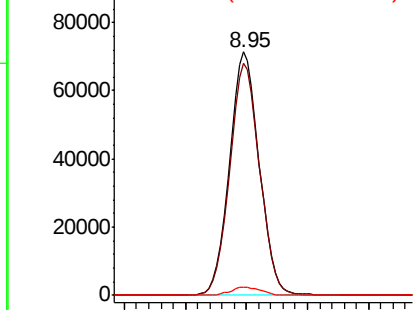
#50
 1,2-Dibromoethane
 Concen: 5.123 ug/L
 RT: 8.95 min Scan# 2366
 Delta R.T. 0.00 min
 Lab File: VU038114.D
 Acq: 12 May 2020 10:10

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	65.1	120.9
188	3.5	2.6	4.0

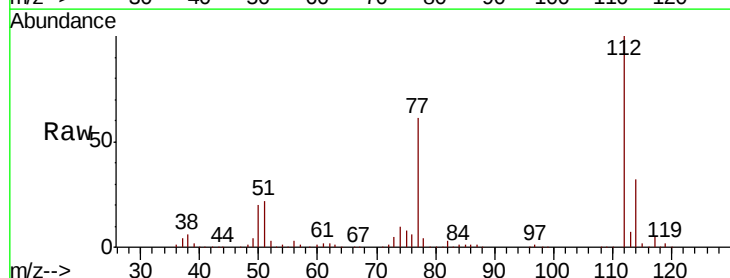


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

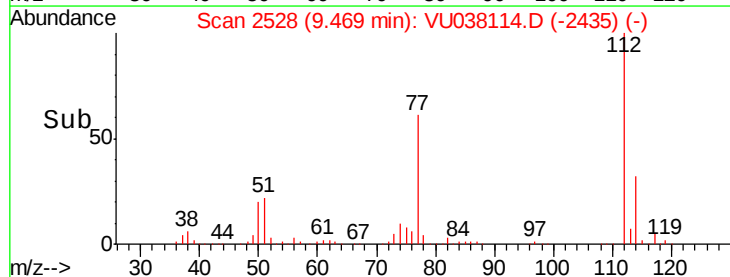
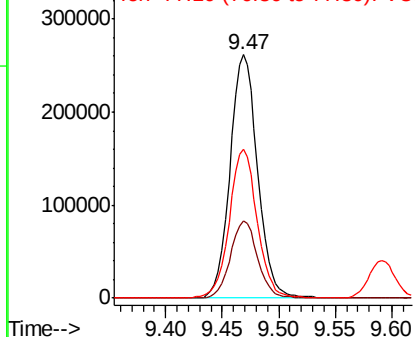


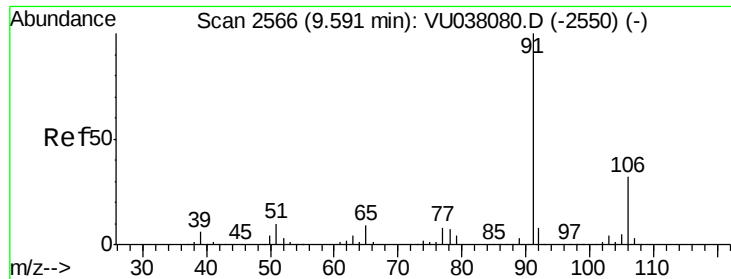
#51
 Chlorobenzene
 Concen: 5.011 ug/L
 RT: 9.47 min Scan# 2528
 Delta R.T. 0.00 min
 Lab File: VU038114.D
 Acq: 12 May 2020 10:10

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.6	22.5	41.7
77	61.3	49.9	74.9



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): VU





#52

Ethylbenzene

Concen: 5.048 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU038114.D

Acq: 12 May 2020 10:10

Instrument :

MSVOA_U

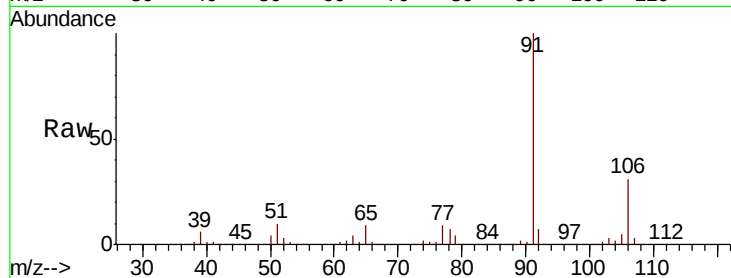
ClientSampled :

Tot Ion: 91 Resp: 779527

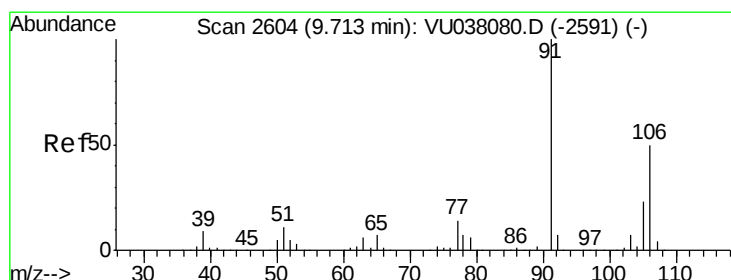
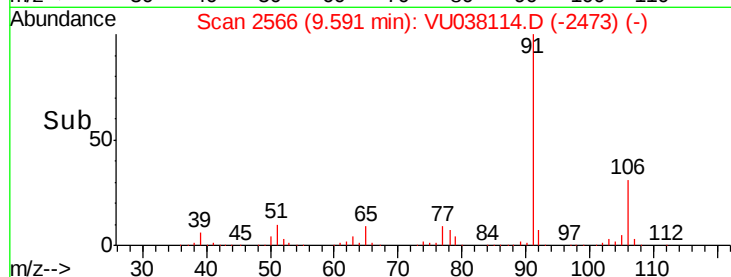
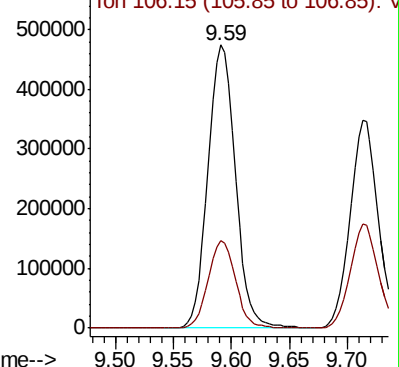
Ion Ratio Lower Upper

91 100

106 30.9 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): VU038114.D (-2550) (-)



#53

m,p-Xylene

Concen: 5.017 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU038114.D

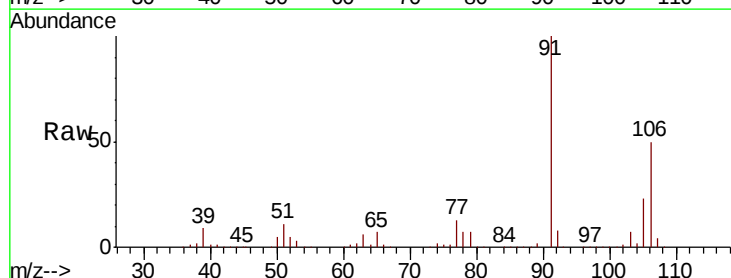
Acq: 12 May 2020 10:10

Tgt Ion: 106 Resp: 297079

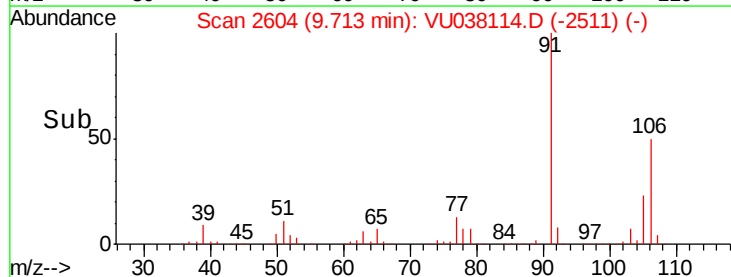
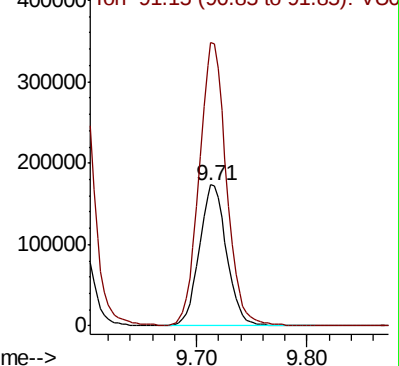
Ion Ratio Lower Upper

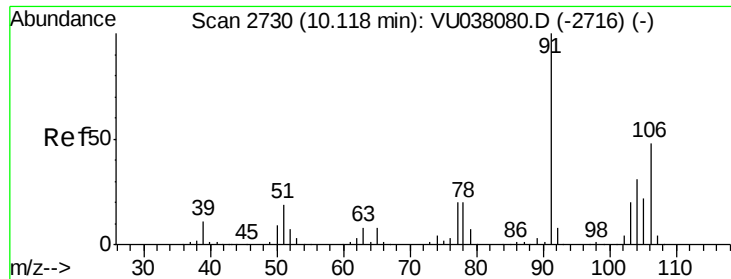
106 100

91 200.4 142.1 263.9



Abundance Ion 106.15 (105.85 to 106.85): VU038114.D (-2591) (-)

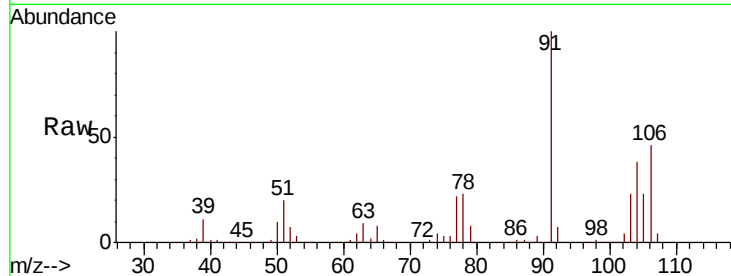




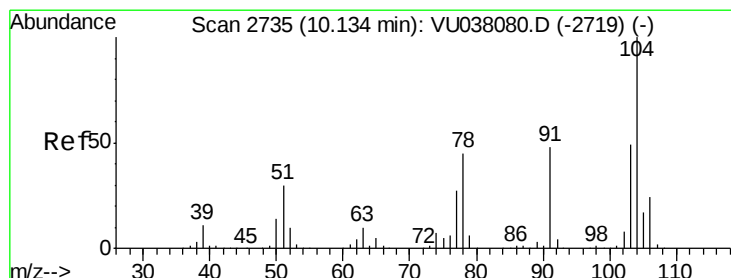
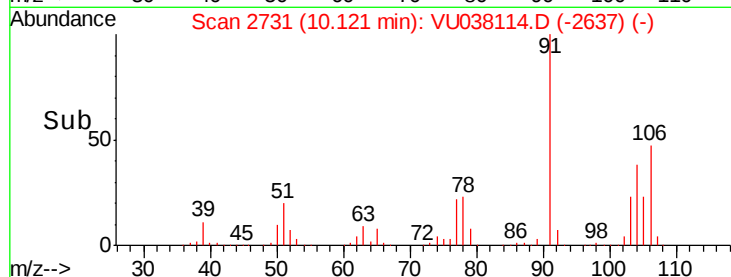
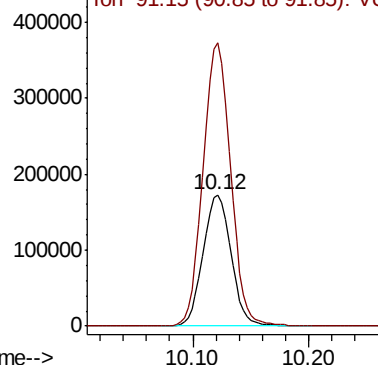
#54
o-Xylene
Concen: 5.015 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. 0.00 min
Lab File: VU038114.D
Acq: 12 May 2020 10:10

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 287109
Ion Ratio Lower Upper
106 100
91 215.1 148.5 275.9

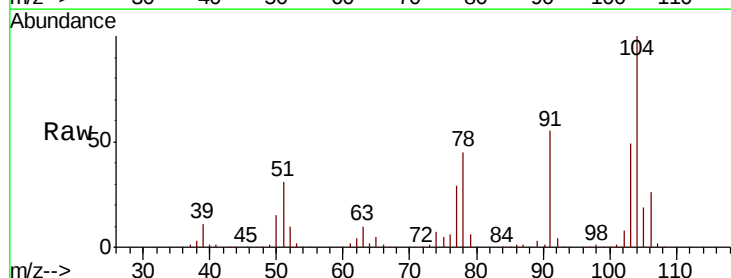


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

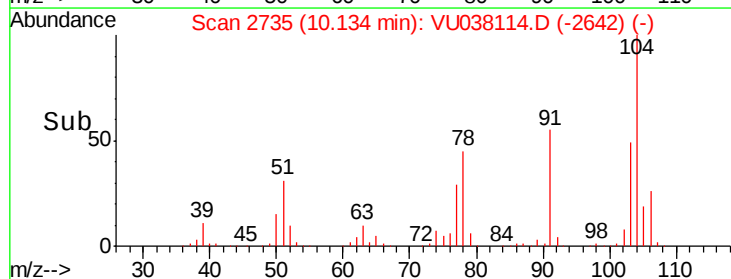
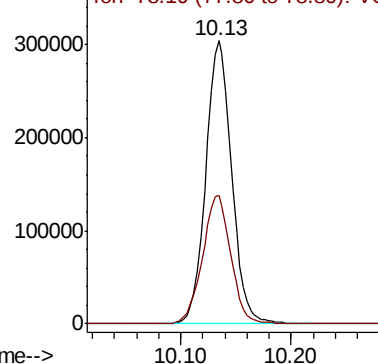


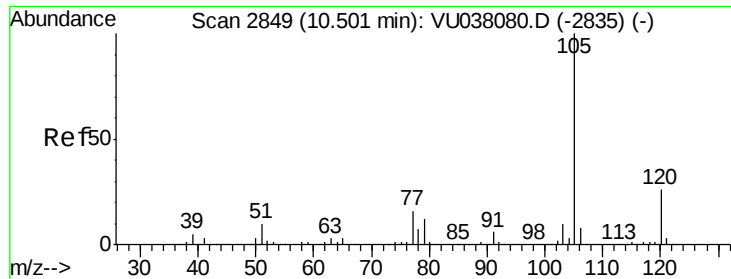
#55
Styrene
Concen: 5.145 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VU038114.D
Acq: 12 May 2020 10:10

Tgt Ion:104 Resp: 494499
Ion Ratio Lower Upper
104 100
78 45.2 32.3 59.9



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





#56

Isopropylbenzene

Concen: 5.157 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VU038114.D

Acq: 12 May 2020 10:10

Instrument :

MSVOA_U

ClientSampled :

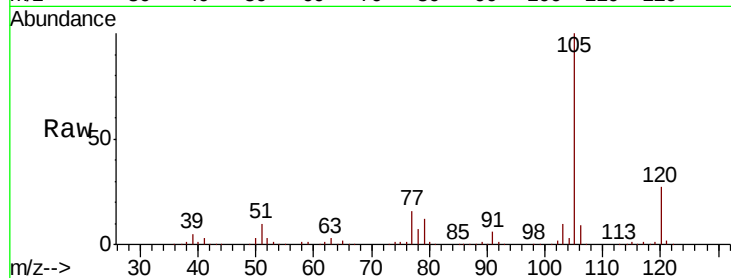
Tot Ion:105 Resp: 758340

Ion Ratio Lower Upper

105 100

120 26.4 21.0 31.6

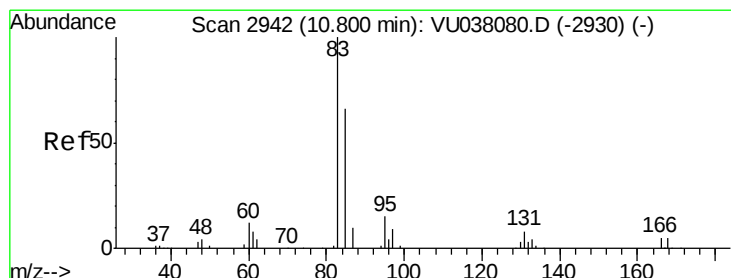
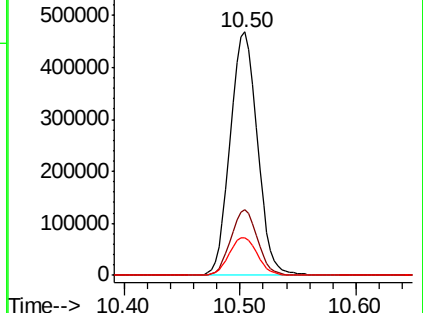
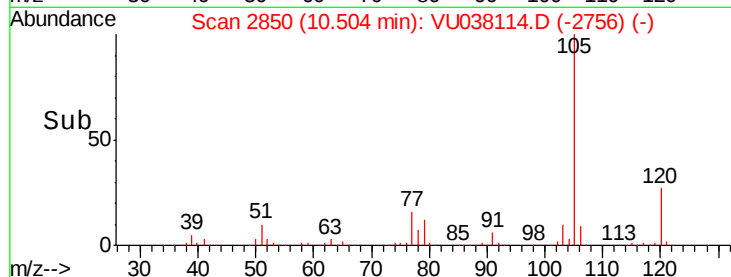
77 16.0 13.0 19.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.168 ug/L

RT: 10.80 min Scan# 2943

Delta R.T. 0.00 min

Lab File: VU038114.D

Acq: 12 May 2020 10:10

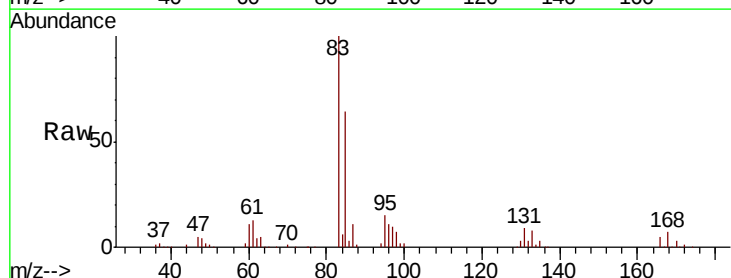
Tgt Ion: 83 Resp: 167133

Ion Ratio Lower Upper

83 100

85 63.5 47.0 87.2

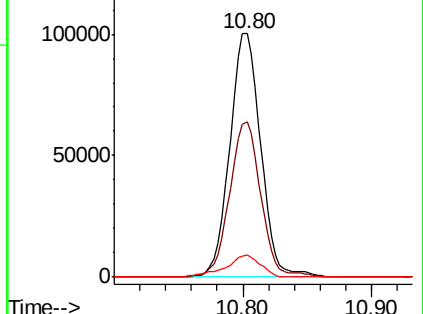
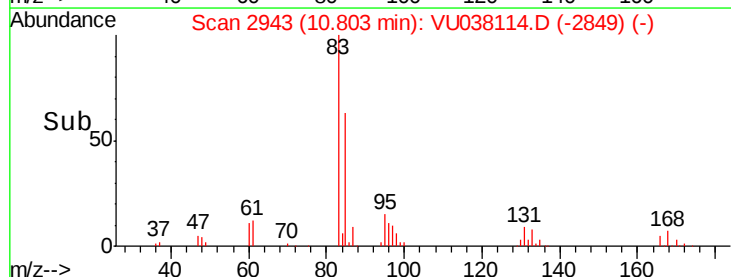
131 9.1 7.7 11.5

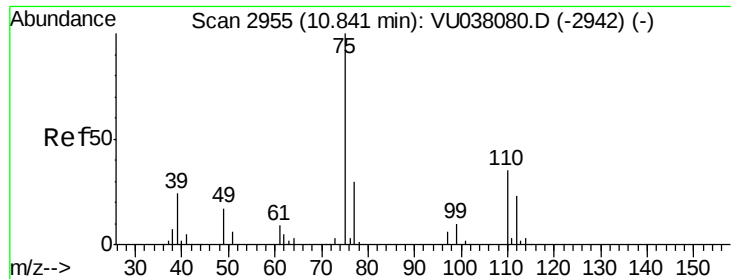


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.238 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU038114.D

Acq: 12 May 2020 10:10

Instrument :

MSVOA_U

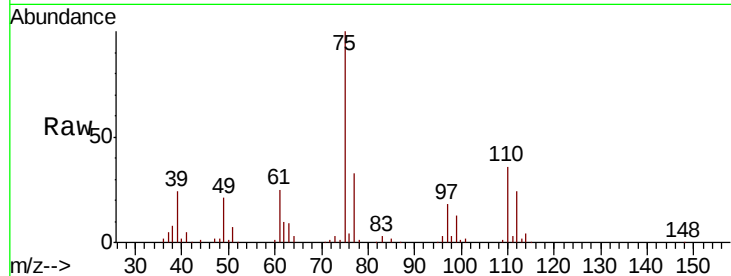
ClientSampled :

Tot Ion: 75 Resp: 128956

Ion Ratio Lower Upper

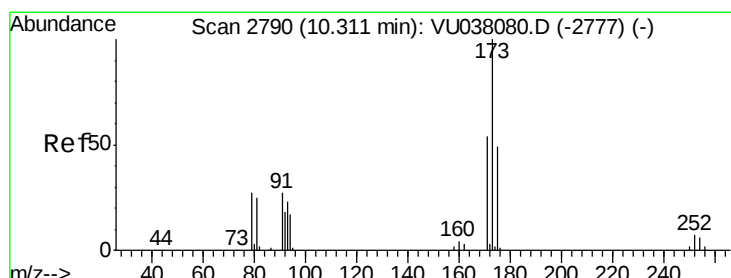
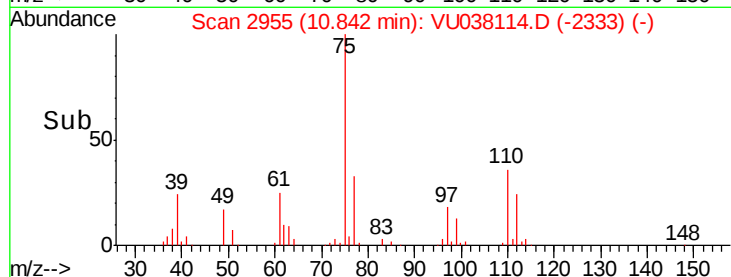
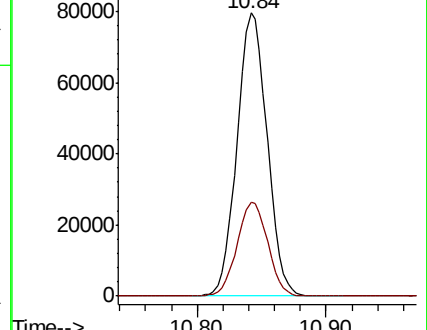
75 100

77 33.9 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU038080.D (-2942) (-)

Ion 77.00 (76.70 to 77.70): VU038080.D (-2942) (-)



#61

Bromoform

Concen: 5.257 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU038114.D

Acq: 12 May 2020 10:10

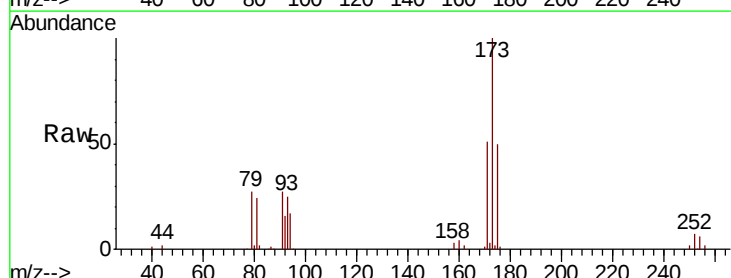
Tgt Ion: 173 Resp: 75543

Ion Ratio Lower Upper

173 100

175 47.2 39.5 59.3

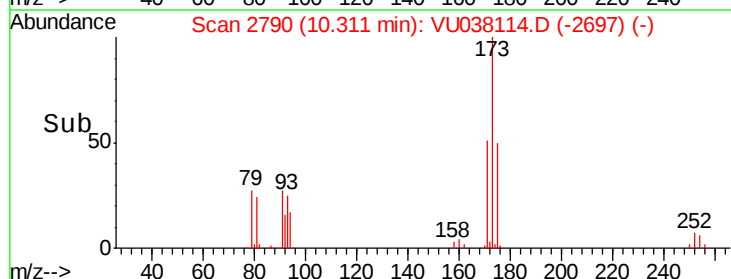
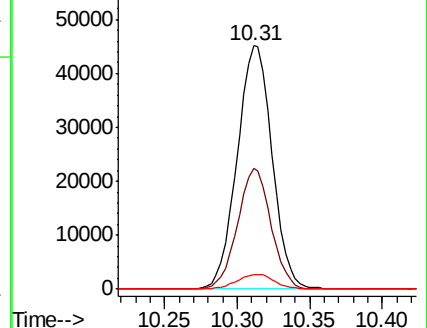
254 6.5 5.0 7.4

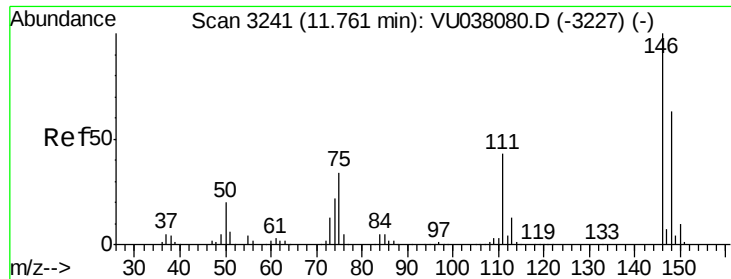


Abundance Ion 172.90 (172.60 to 173.60): VU038080.D (-2777) (-)

Ion 174.90 (174.60 to 175.60): VU038080.D (-2777) (-)

Ion 253.75 (253.45 to 254.45): VU038080.D (-2777) (-)





#62

1,3-Dichlorobenzene

Concen: 5.002 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VU038114.D

Acq: 12 May 2020 10:10

Instrument :

MSVOA_U

ClientSampled :

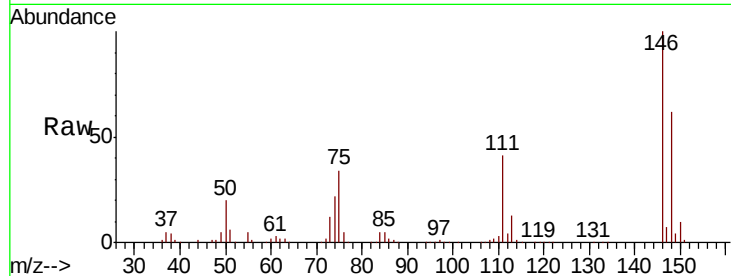
Tot Ion:146 Resp: 346055

Ion Ratio Lower Upper

146 100

111 40.5 28.6 53.2

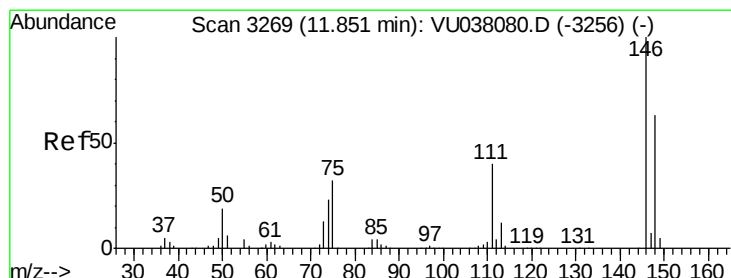
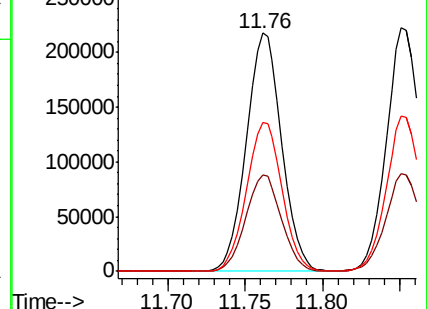
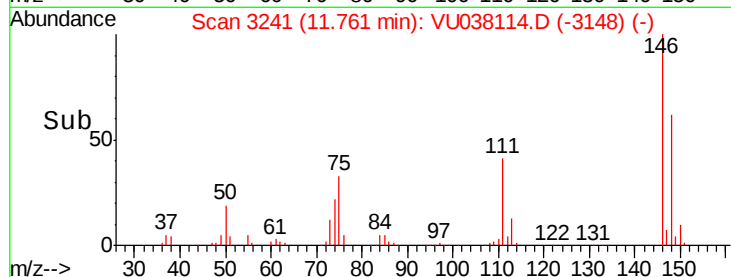
148 62.4 45.2 84.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.939 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VU038114.D

Acq: 12 May 2020 10:10

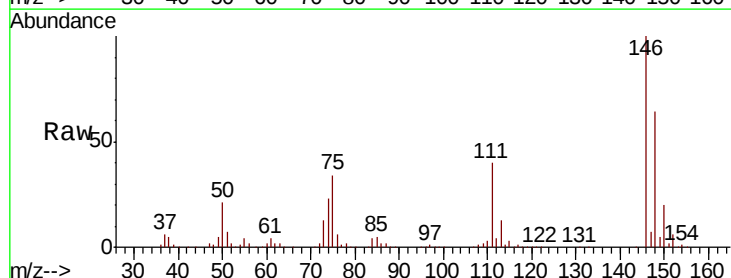
Tgt Ion:146 Resp: 346235

Ion Ratio Lower Upper

146 100

111 40.2 27.2 50.6

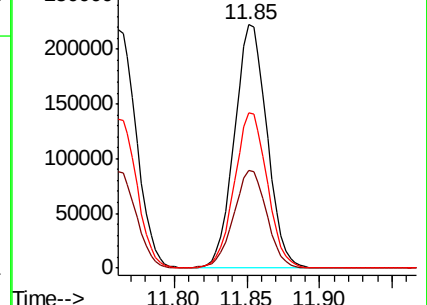
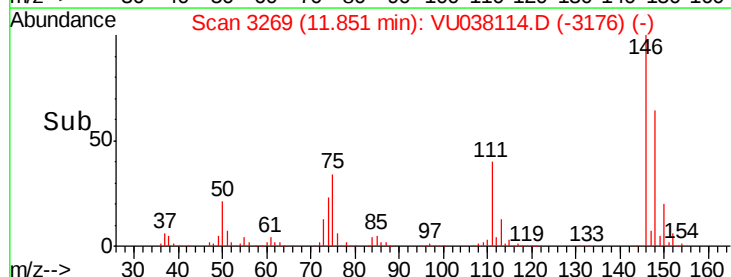
148 63.7 43.8 81.3

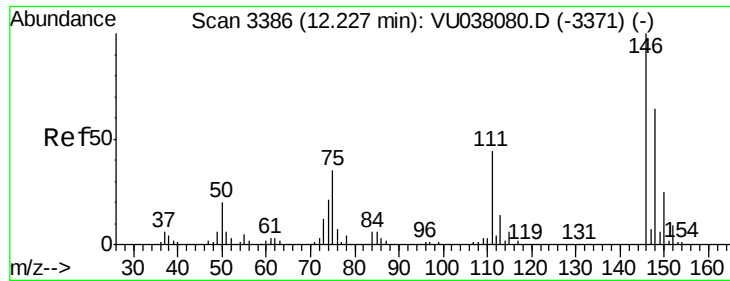


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.943 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU038114.D

Acq: 12 May 2020 10:10

Instrument :

MSVOA_U

ClientSampled :

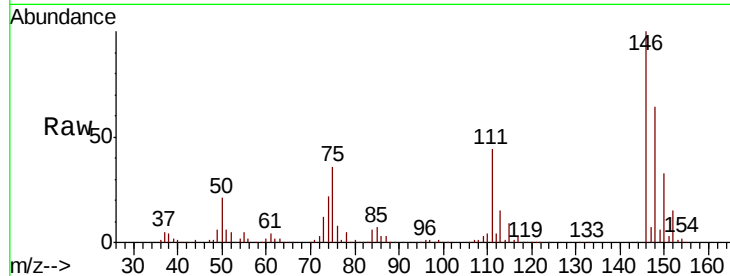
Tot Ion:146 Resp: 328957

Ion Ratio Lower Upper

146 100

111 44.0 35.3 52.9

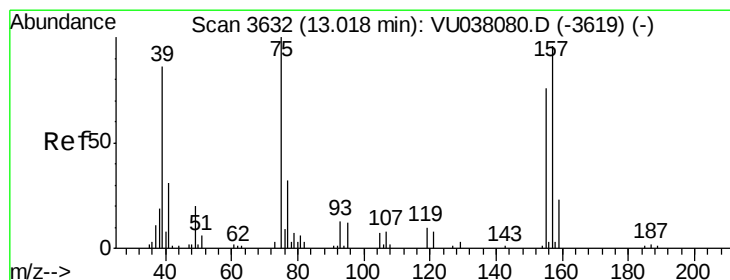
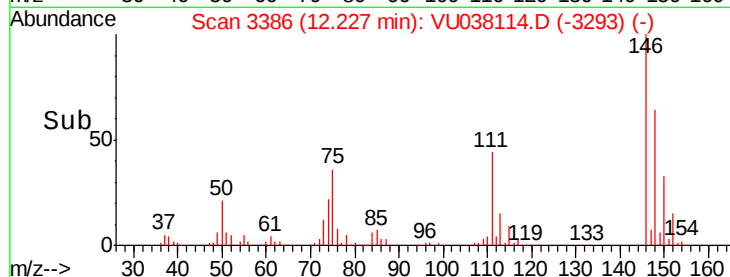
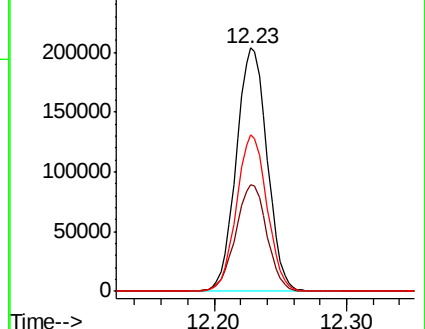
148 64.3 51.0 76.4



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



#66

1,2-Dibromo-3-chloropropane

Concen: 5.012 ug/L

RT: 13.02 min Scan# 3634

Delta R.T. 0.01 min

Lab File: VU038114.D

Acq: 12 May 2020 10:10

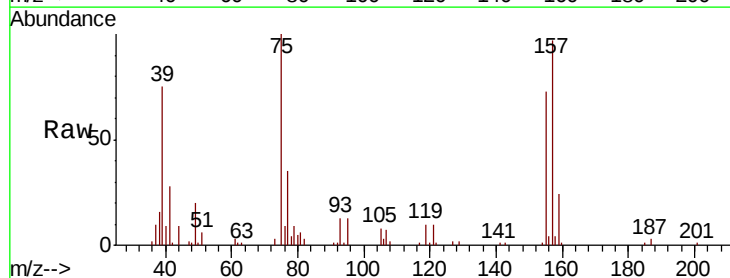
Tgt Ion: 75 Resp: 27260

Ion Ratio Lower Upper

75 100

155 73.2 58.2 87.2

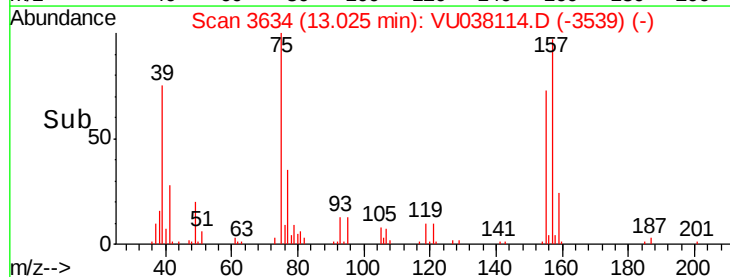
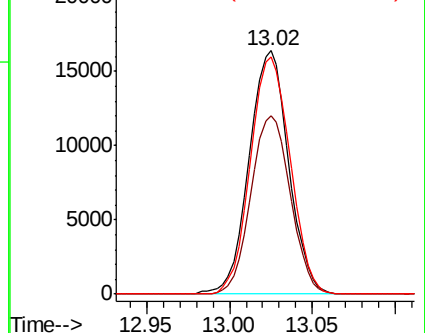
157 97.2 72.9 109.3

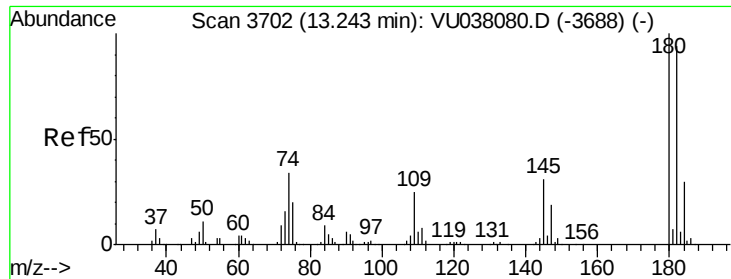


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

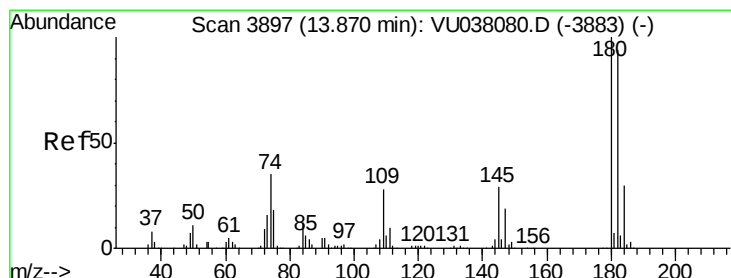
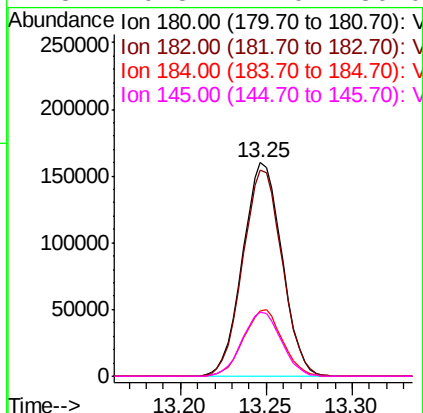
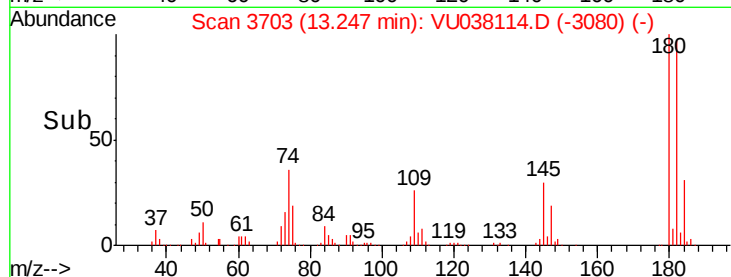
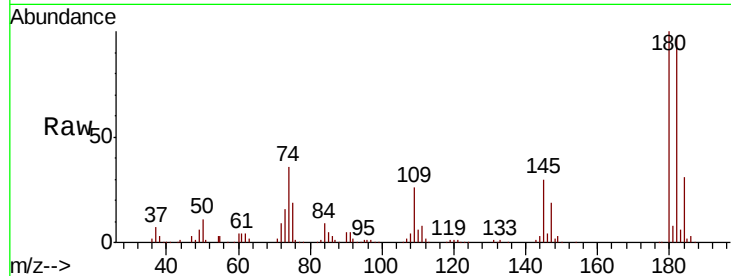




#67
 1,3,5-Trichlorobenzene
 Concen: 5.067 ug/L
 RT: 13.25 min Scan# 3703
 Delta R.T. 0.00 min
 Lab File: VU038114.D
 Acq: 12 May 2020 10:10

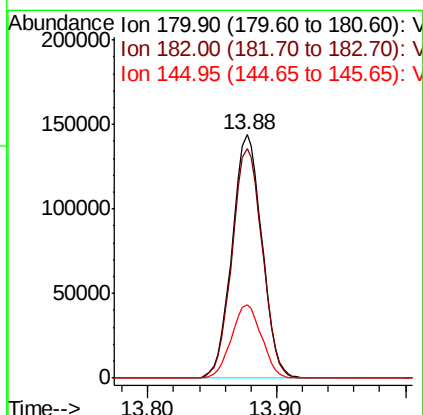
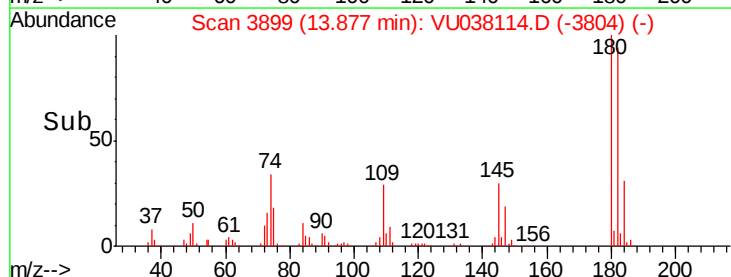
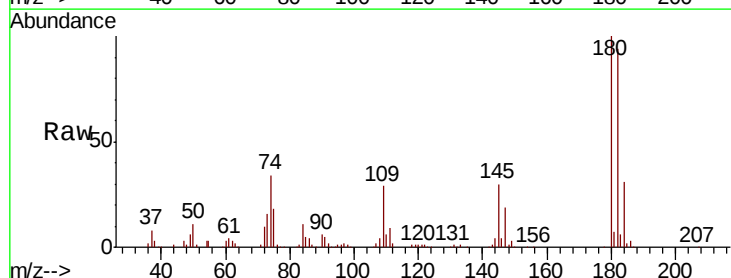
Instrument :
 MSVOA_U
 ClientSampled :

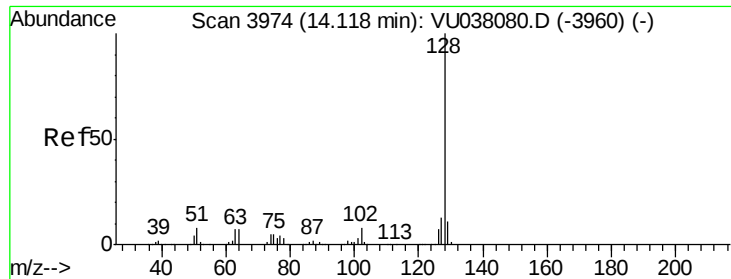
Tot Ion:	180	Resp:	254341
Ion	Ratio	Lower	Upper
180	100		
182	96.6	77.4	116.2
184	30.7	24.2	36.2
145	29.8	24.0	36.0



#68
 1,2,4-trichlorobenzene
 Concen: 5.090 ug/L
 RT: 13.88 min Scan# 3899
 Delta R.T. 0.01 min
 Lab File: VU038114.D
 Acq: 12 May 2020 10:10

Tgt Ion:	180	Resp:	231751
Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.0	112.6
145	30.3	24.8	37.2





#69

Naphthalene

Concen: 5.050 ug/L

RT: 14.12 min Scan# 3976

Delta R.T. 0.01 min

Lab File: VU038114.D

Acq: 12 May 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

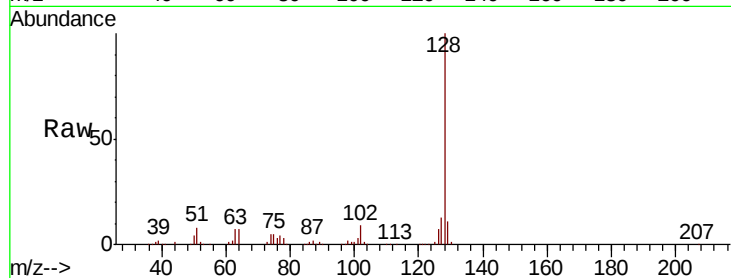
Tot Ion:128 Resp: 484035

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

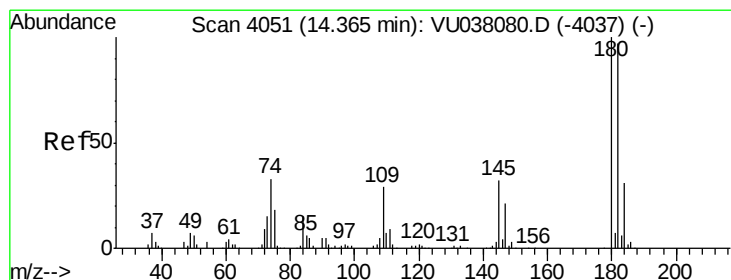
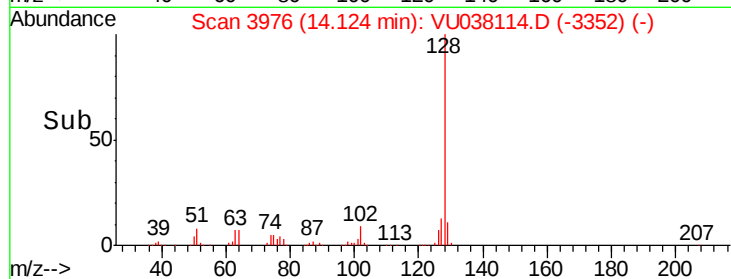
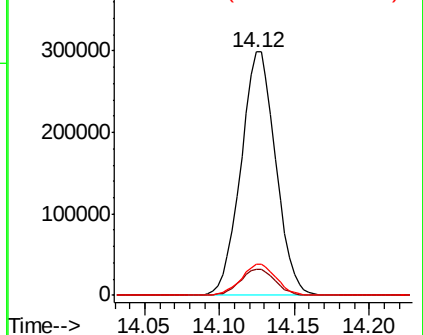
127 12.8 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.122 ug/L

RT: 14.37 min Scan# 4053

Delta R.T. 0.01 min

Lab File: VU038114.D

Acq: 12 May 2020 10:10

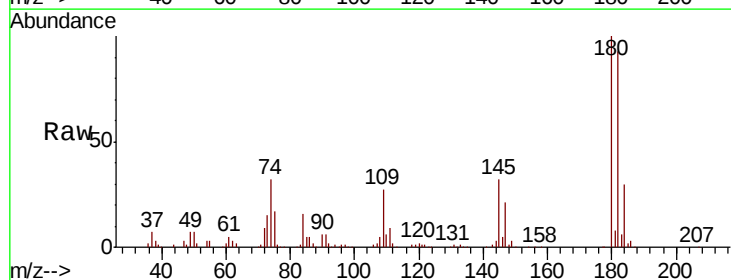
Tgt Ion:180 Resp: 216774

Ion Ratio Lower Upper

180 100

182 93.6 76.3 114.5

145 32.2 26.1 39.1



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

