

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050820\
 Data File : VU038080.D
 Acq On : 08 May 2020 10:30
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 09 00:08:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 08 13:37:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	410688	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	400930	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	195666	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	152999	4.07	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.40%
7) Chloroethane-d5	1.93	69	131570	4.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.00%
11) 1,1-Dichloroethene-d2	2.59	63	255088	4.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.20%
20) 2-Butanone-d5	4.66	46	401446	43.31	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.62%
24) Chloroform-d	5.10	84	234865	4.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.40%
26) 1,2-Dichloroethane-d4	5.74	65	137014	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.00%
32) Benzene-d6	5.76	84	513804	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.40%
36) 1,2-Dichloropropane-d6	6.72	67	167188	4.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.20%
41) Toluene-d8	7.92	98	463431	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.80%
43) trans-1,3-Dichloropropene-	8.20	79	64517	4.15	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.00%
46) 2-Hexanone-d5	8.65	63	316444	43.14	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.28%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	127464	4.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.40%
64) 1,2-Dichlorobenzene-d4	12.21	152	164061	4.31	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	167855	4.469	ug/L 100
3) Chloromethane	1.53	50	193197	4.268	ug/L 98
5) Vinyl chloride	1.62	62	195974	4.418	ug/L 99
6) Bromomethane	1.87	94	101928	4.036	ug/L 99
8) Chloroethane	1.95	64	112900	4.138	ug/L 99
9) Trichlorofluoromethane	2.16	101	202390	4.463	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	127014	4.518	ug/L 99
12) 1,1-Dichloroethene	2.60	96	120882	4.241	ug/L 90
13) Acetone	2.65	43	238084	40.943	ug/L 98
14) Carbon disulfide	2.82	76	421502	4.146	ug/L 100
15) Methyl Acetate	2.98	43	61069	3.754	ug/L 96
16) Methylene chloride	3.08	84	137080	4.126	ug/L 97
17) Methyl tert-butyl Ether	3.40	73	322669	4.074	ug/L 100
18) trans-1,2-Dichloroethene	3.39	96	133291	4.284	ug/L 97
19) 1,1-Dichloroethane	3.91	63	258313	4.250	ug/L 100
21) 2-Butanone	4.74	43	417775	40.704	ug/L 100
22) cis-1,2-Dichloroethene	4.70	96	145827	4.349	ug/L 96

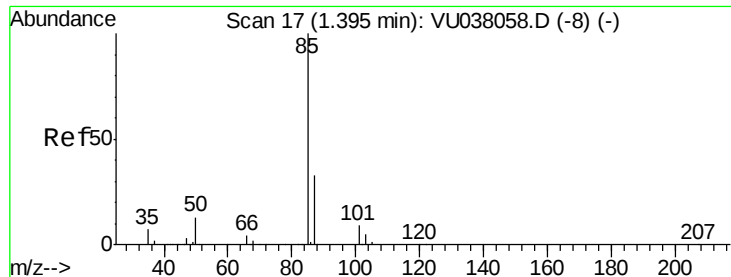
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U050820\
 Data File : VU038080.D
 Acq On : 08 May 2020 10:30
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 08 13:37:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	60085	4.164	ug/L	92
25) Chloroform	5.12	83	252896	4.461	ug/L	100
27) 1,2-Dichloroethane	5.83	62	166543	4.162	ug/L	99
29) 1,1,1-Trichloroethane	5.35	97	198218	4.315	ug/L	99
30) Cyclohexane	5.42	56	245849	4.533	ug/L	99
31) Carbon tetrachloride	5.56	117	160716	4.353	ug/L	99
33) Benzene	5.81	78	564921	4.400	ug/L	100
34) Trichloroethene	6.57	95	138215	4.304	ug/L	95
35) Methylcyclohexane	6.79	83	238710	4.589	ug/L	98
37) 1,2-Dichloropropane	6.82	63	148483	4.258	ug/L	99
38) Bromodichloromethane	7.13	83	169584	4.206	ug/L	100
39) cis-1,3-Dichloropropene	7.63	75	215151	4.311	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	979772	40.537	ug/L	100
42) Toluene	7.99	91	597792	4.411	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	179961	4.240	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	100273	4.140	ug/L	99
47) Tetrachloroethene	8.57	164	99357	4.424	ug/L	97
48) 2-Hexanone	8.71	43	745490	42.116	ug/L	100
49) Dibromochloromethane	8.83	129	104478	4.157	ug/L	99
50) 1,2-Dibromoethane	8.95	107	93408	4.156	ug/L	98
51) Chlorobenzene	9.47	112	372589	4.430	ug/L	99
52) Ethylbenzene	9.59	91	654004	4.455	ug/L	98
53) m,p-Xylene	9.71	106	252263	4.481	ug/L	99
54) o-Xylene	10.12	106	245962	4.519	ug/L	98
55) Styrene	10.13	104	412275	4.512	ug/L	99
56) Isopropylbenzene	10.50	105	644013	4.606	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	124141	4.037	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	96047	4.104	ug/L	100
61) Bromoform	10.31	173	53970	4.081	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	285414	4.483	ug/L	97
63) 1,4-Dichlorobenzene	11.85	146	285107	4.420	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	268038	4.376	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.02	75	19709	3.937	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	210563	4.558	ug/L	100
68) 1,2,4-trichlorobenzene	13.87	180	193807	4.626	ug/L	99
69) Naphthalene	14.12	128	385173	4.366	ug/L	99
70) 1,2,3-Trichlorobenzene	14.37	180	176321	4.527	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.469 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038080.D

Acq: 08 May 2020 10:30

Instrument :

MSVOA_U

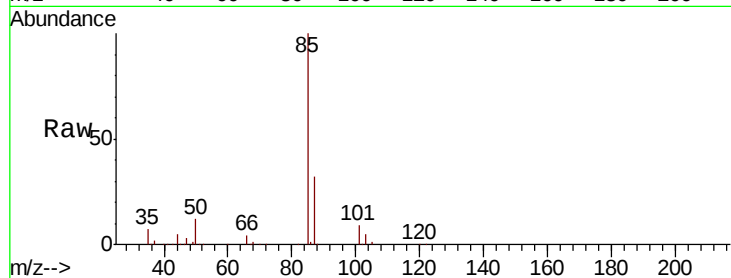
ClientSampleId :

Tot Ion: 85 Resp: 167855

Ion Ratio Lower Upper

85 100

87 32.6 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) (-)

1.39

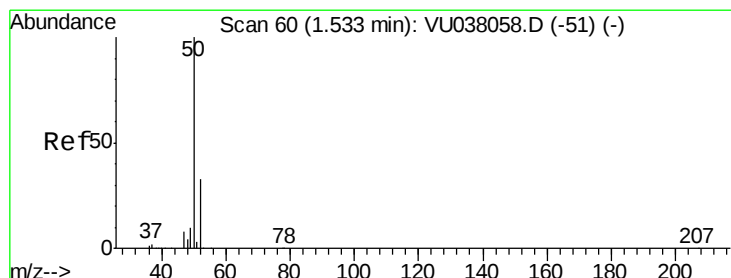
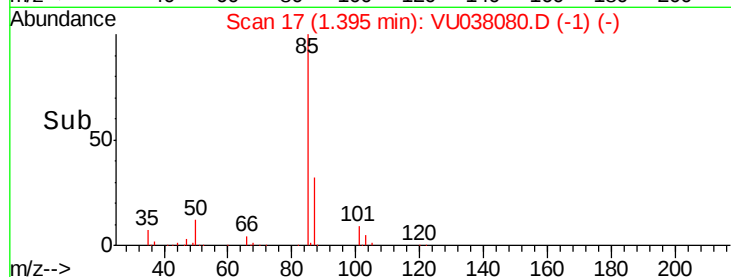
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.268 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU038080.D

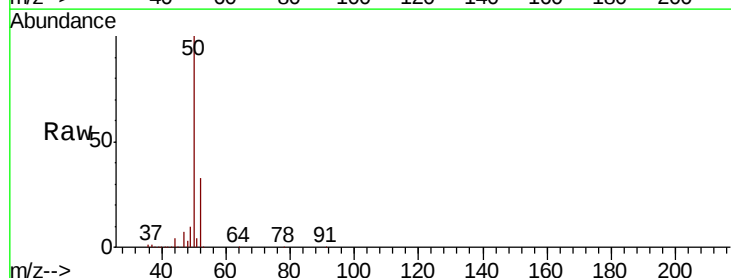
Acq: 08 May 2020 10:30

Tgt Ion: 50 Resp: 193197

Ion Ratio Lower Upper

50 100

52 33.2 22.5 41.7



Abundance Ion 50.05 (49.75 to 50.75): VU038080.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU038080.D (-51) (-)

1.53

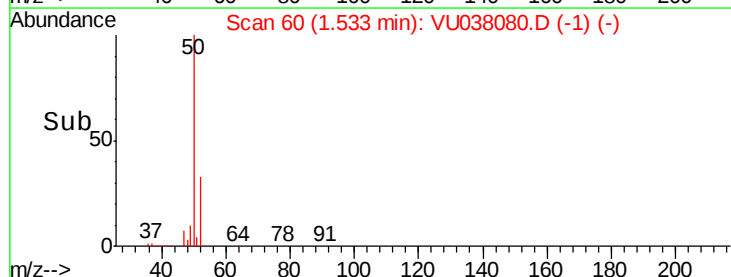
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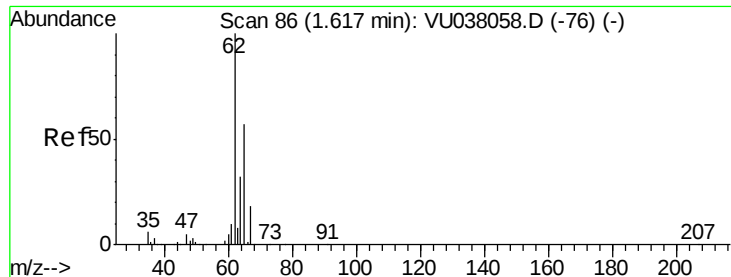
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 4.418 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038080.D

Acq: 08 May 2020 10:30

Instrument :

MSVOA_U

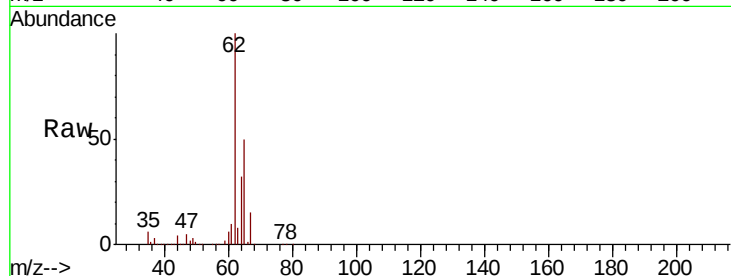
ClientSampleId :

Tot Ion: 62 Resp: 195974

Ion Ratio Lower Upper

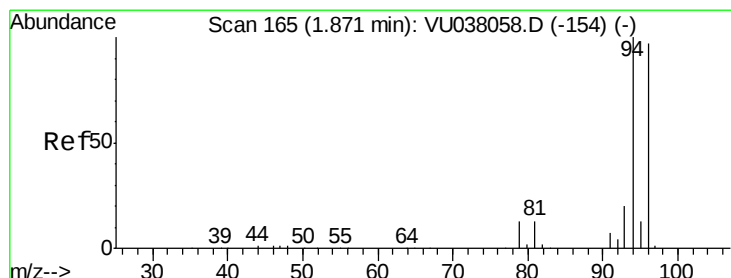
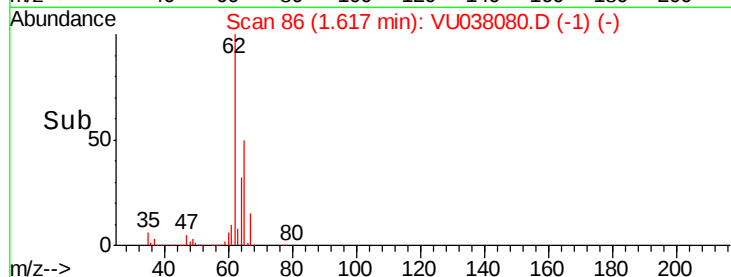
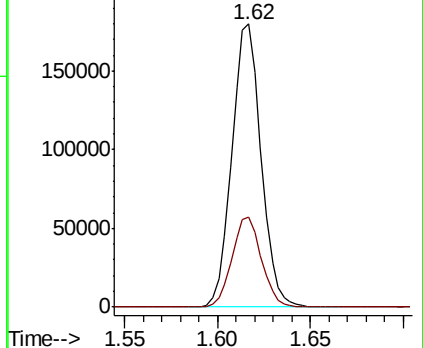
62 100

64 31.8 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU038080.D (-76) (-)

Ion 64.10 (63.80 to 64.80): VU038080.D (-76) (-)



#6

Bromomethane

Concen: 4.036 ug/L

RT: 1.87 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU038080.D

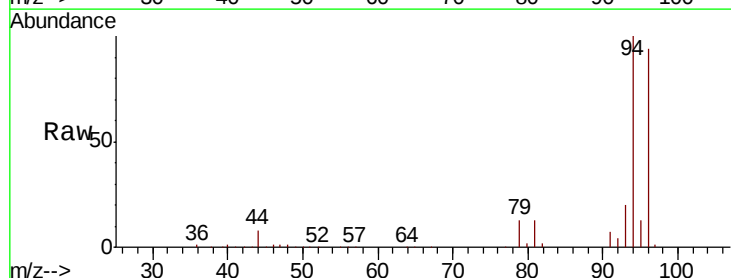
Acq: 08 May 2020 10:30

Tgt Ion: 94 Resp: 101928

Ion Ratio Lower Upper

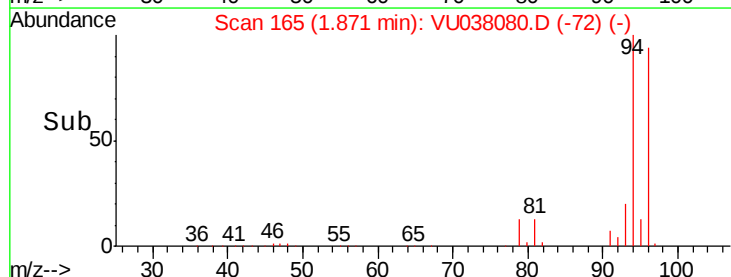
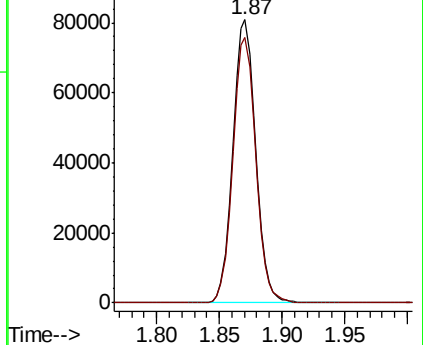
94 100

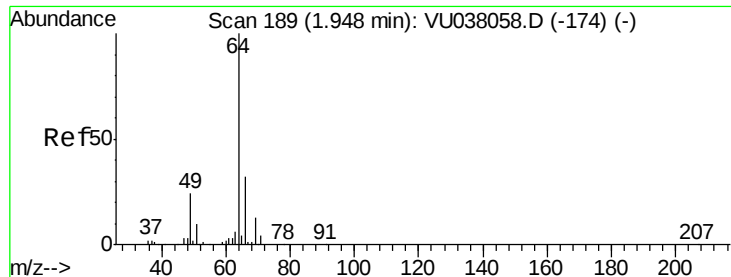
96 93.8 65.0 120.8



Abundance Ion 94.00 (93.70 to 94.70): VU038080.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU038080.D (-154) (-)

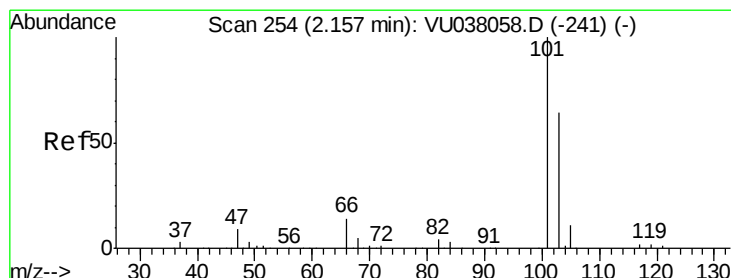
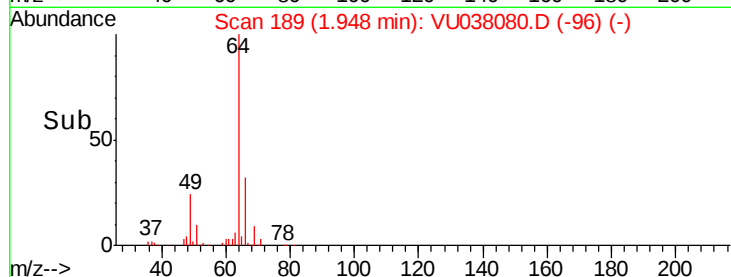
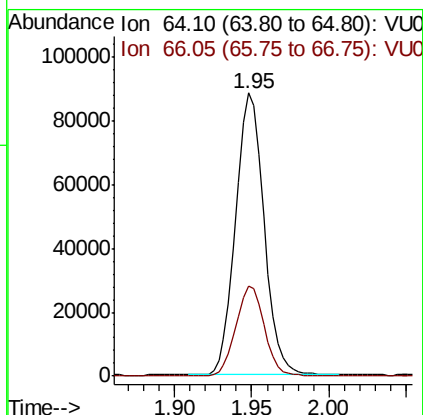
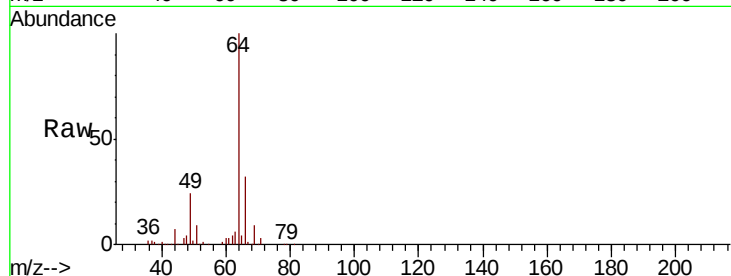




#8
Chloroethane
Concen: 4.138 ug/L
RT: 1.95 min Scan# 189
Delta R.T. 0.00 min
Lab File: VU038080.D
Acq: 08 May 2020 10:30

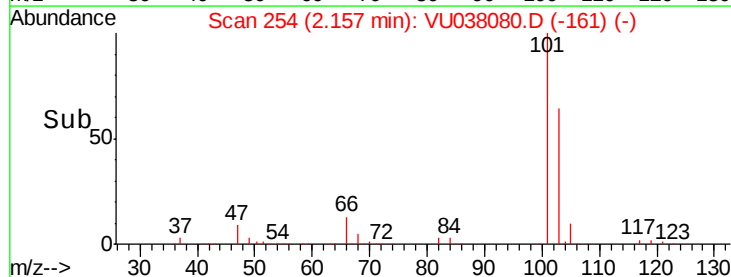
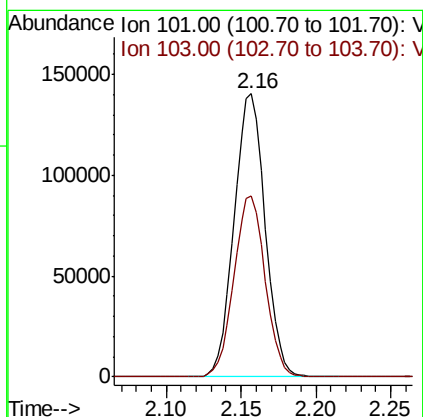
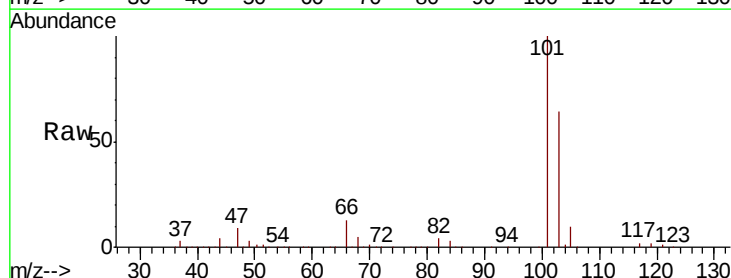
Instrument :
MSVOA_U
ClientSampleId :

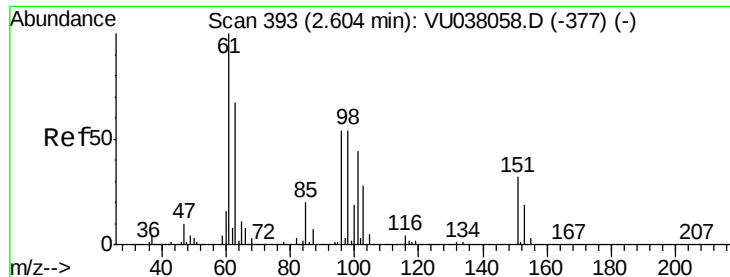
Tot Ion: 64 Resp: 112900
Ion Ratio Lower Upper
64 100
66 31.8 21.8 40.4



#9
Trichlorofluoromethane
Concen: 4.463 ug/L
RT: 2.16 min Scan# 254
Delta R.T. 0.00 min
Lab File: VU038080.D
Acq: 08 May 2020 10:30

Tgt Ion:101 Resp: 202390
Ion Ratio Lower Upper
101 100
103 64.5 51.0 76.4





#10

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

Concen: 4.518 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU038080.D

Acq: 08 May 2020 10:30

Instrument :

MSVOA_U

ClientSampleId :

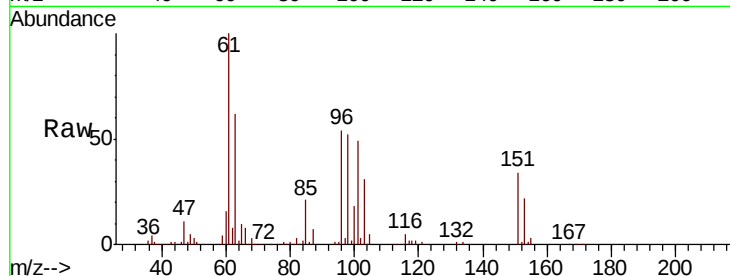
Tot Ion:101 Resp: 127014

Ion Ratio Lower Upper

101 100

85 42.8 35.3 52.9

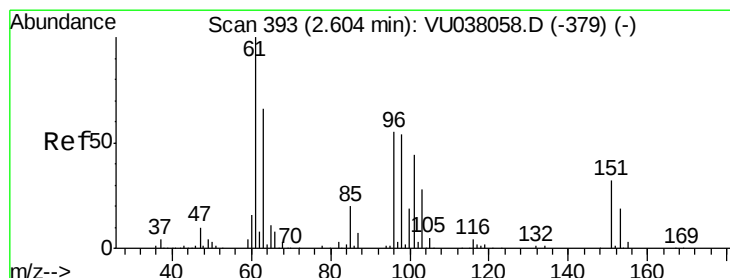
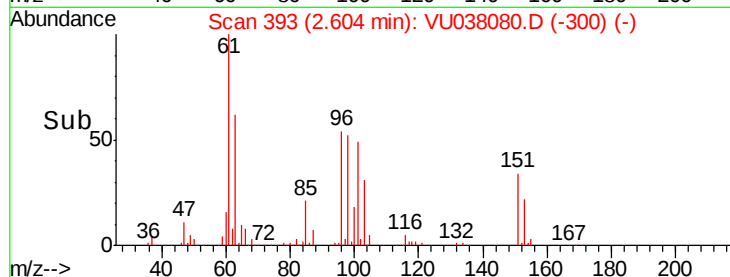
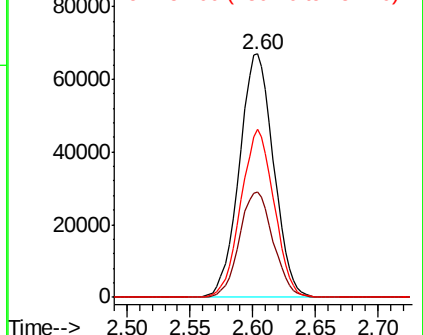
151 67.2 54.2 81.2



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: 4.241 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU038080.D

Acq: 08 May 2020 10:30

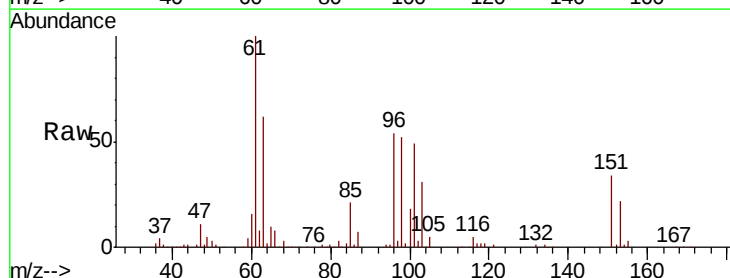
Tgt Ion: 96 Resp: 120882

Ion Ratio Lower Upper

96 100

61 185.5 126.2 234.4

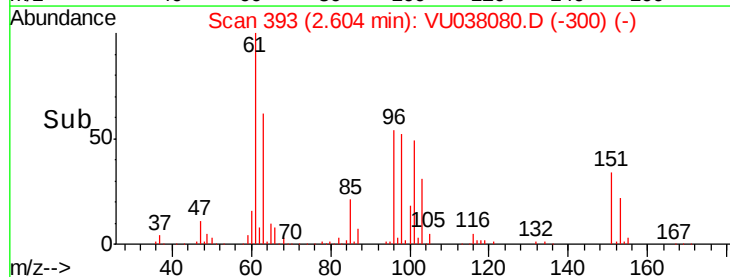
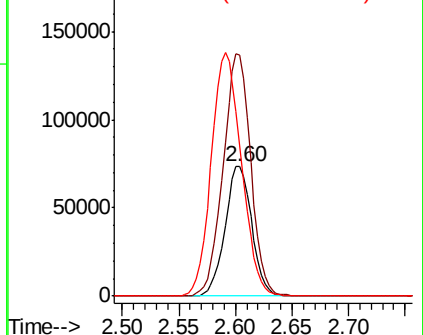
63 115.7 96.9 179.9

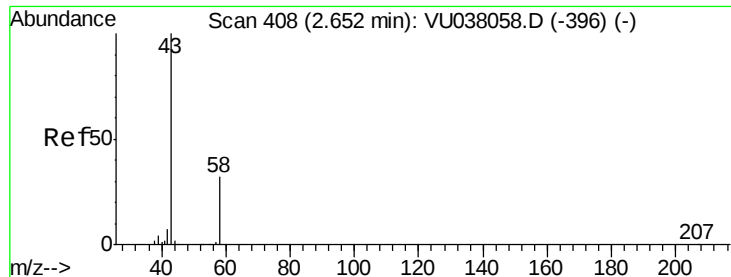


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 40.943 ug/L

RT: 2.65 min Scan# 408

Delta R.T. 0.00 min

Lab File: VU038080.D

Acq: 08 May 2020 10:30

Instrument :

MSVOA_U

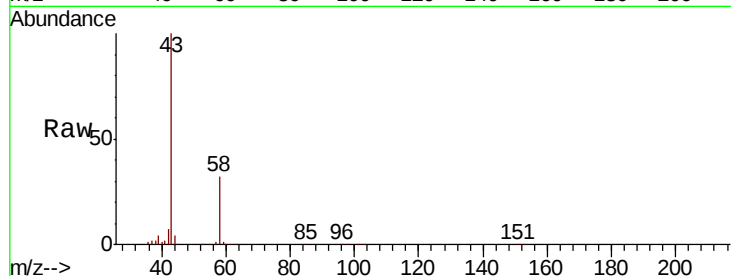
ClientSampleId :

Tot Ion: 43 Resp: 238084

Ion Ratio Lower Upper

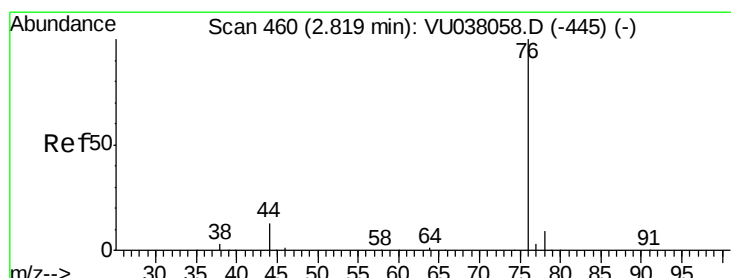
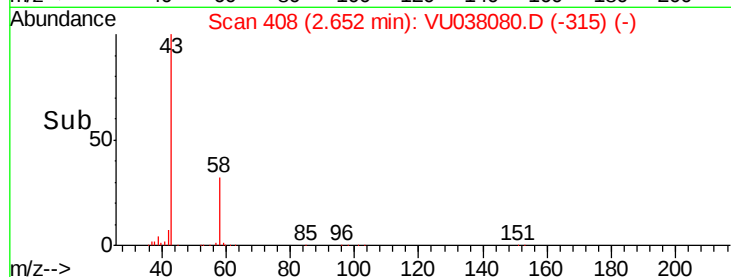
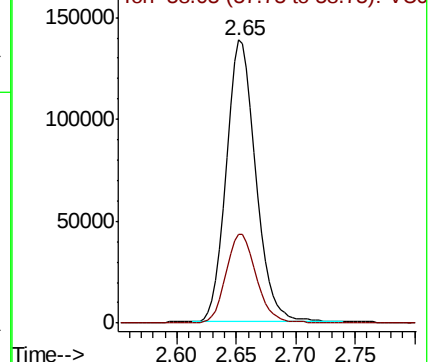
43 100

58 32.7 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU038080.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VU038080.D (-396) (-)



#14

Carbon disulfide

Concen: 4.146 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU038080.D

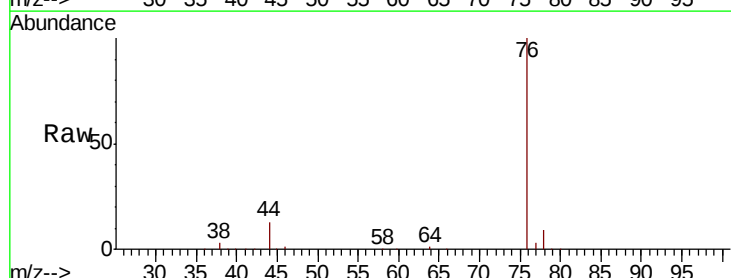
Acq: 08 May 2020 10:30

Tgt Ion: 76 Resp: 421502

Ion Ratio Lower Upper

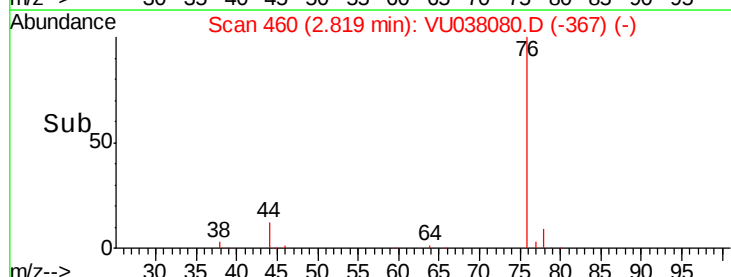
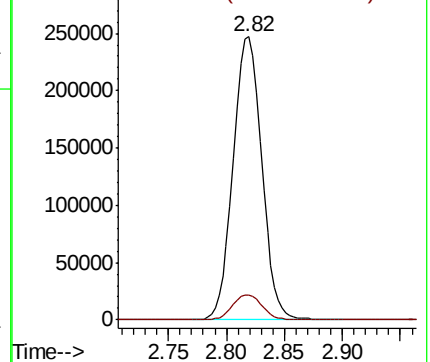
76 100

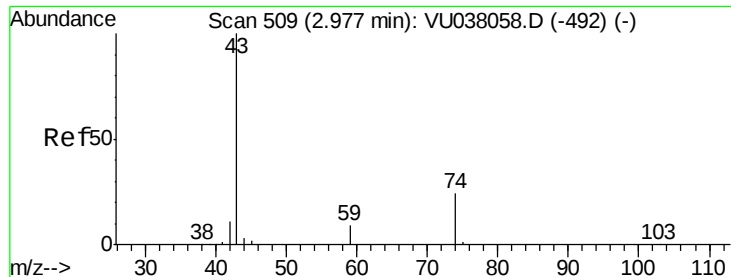
78 8.9 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU038080.D (-445) (-)

Ion 78.00 (77.70 to 78.70): VU038080.D (-445) (-)

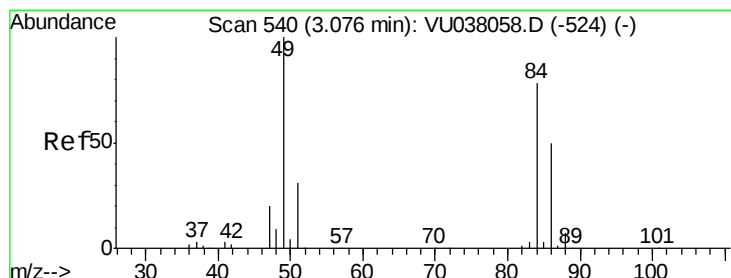
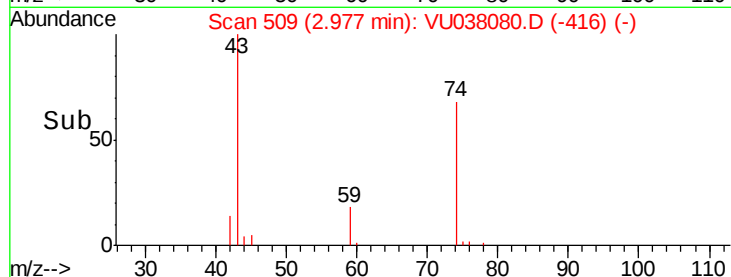
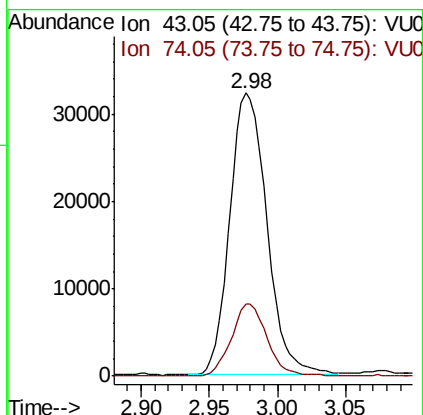
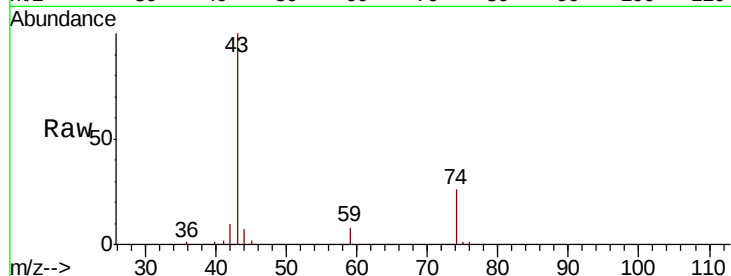




#15
Methvl Acetate
Concen: 3.754 ug/L
RT: 2.98 min Scan# 509
Delta R.T. 0.00 min
Lab File: VU038080.D
Acq: 08 May 2020 10:30

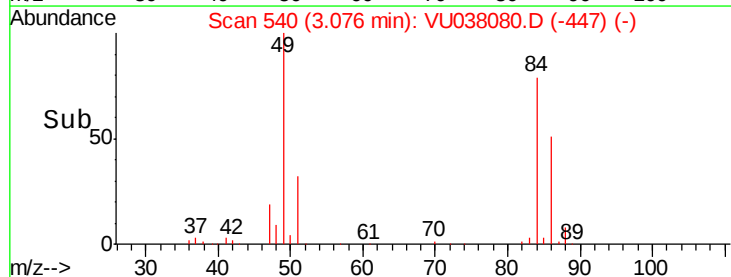
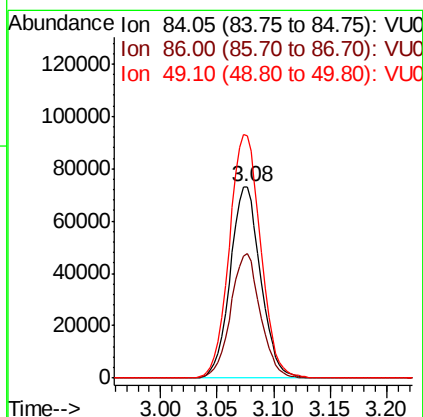
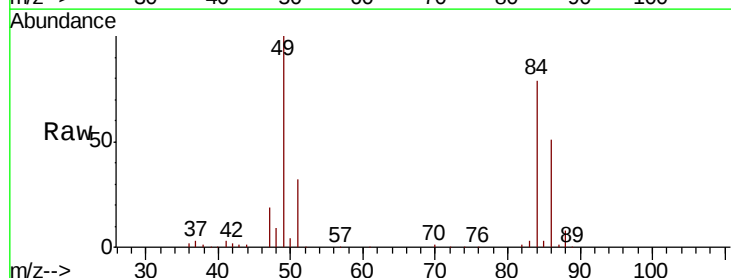
Instrument :
MSVOA_U
ClientSampleId :

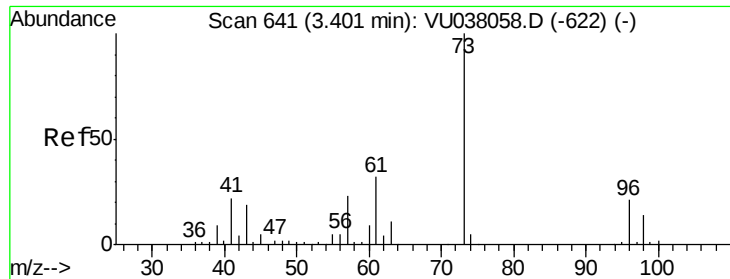
Tot Ion: 43 Resp: 61069
Ion Ratio Lower Upper
43 100
74 24.6 18.0 27.0



#16
Methylene chloride
Concen: 4.126 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU038080.D
Acq: 08 May 2020 10:30

Tgt Ion: 84 Resp: 137080
Ion Ratio Lower Upper
84 100
86 65.2 44.9 83.3
49 126.5 92.0 170.9

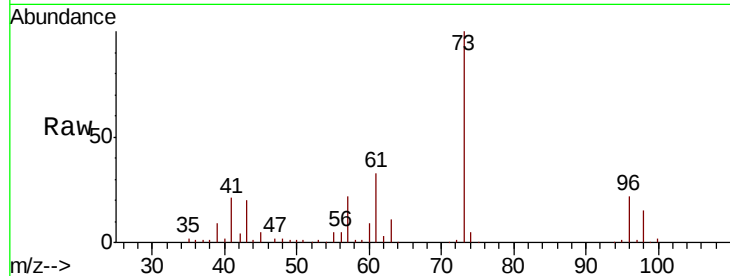




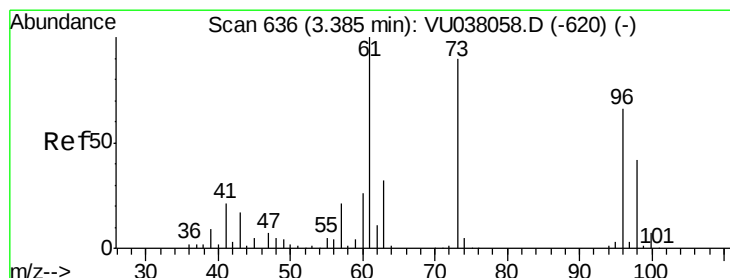
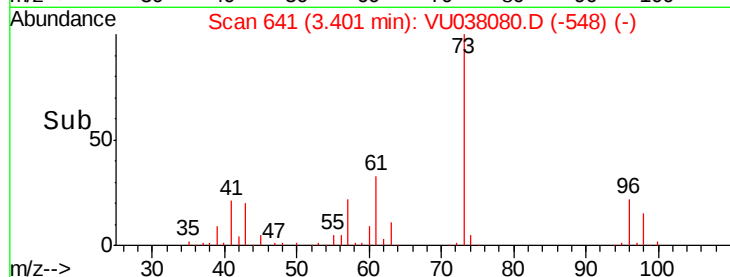
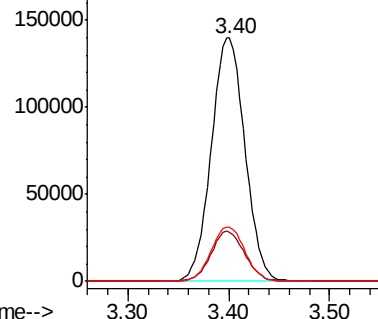
#17
Methvl tert-butvl Ether
Concen: 4.074 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU038080.D
Acq: 08 May 2020 10:30

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 322669
Ion Ratio Lower Upper
73 100
43 20.8 16.9 25.3
57 22.5 18.2 27.2

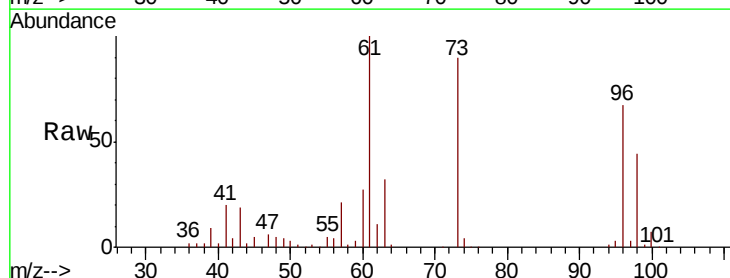


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

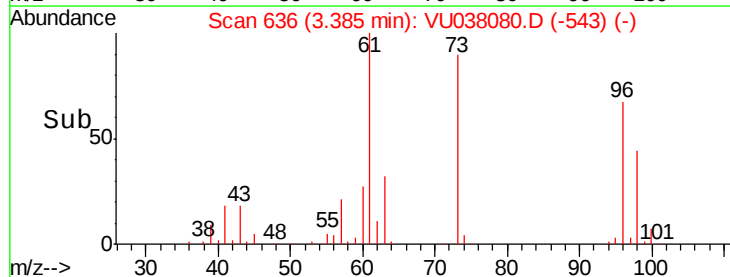
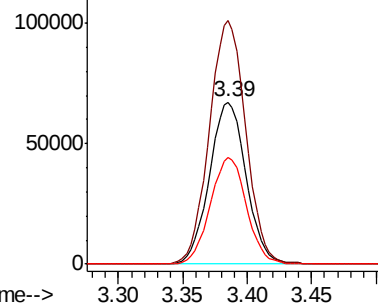


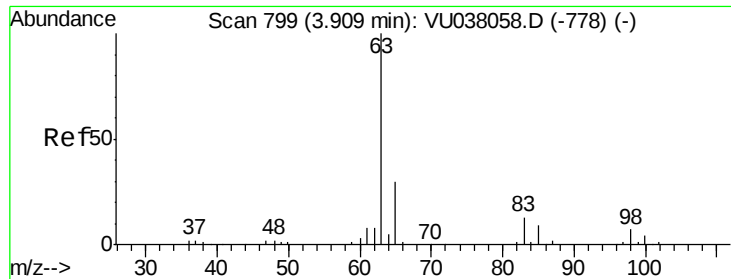
#18
trans-1,2-Dichloroethene
Concen: 4.284 ug/L
RT: 3.39 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU038080.D
Acq: 08 May 2020 10:30

Tgt Ion: 96 Resp: 133291
Ion Ratio Lower Upper
96 100
61 150.0 102.1 189.5
98 65.7 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

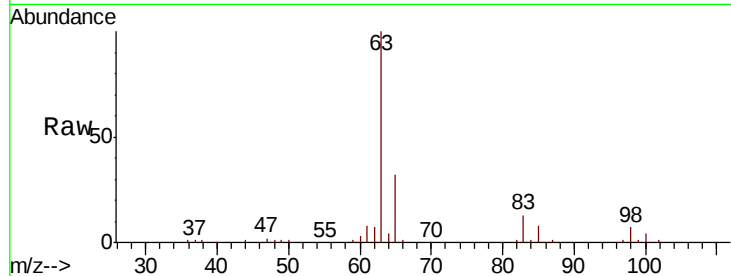




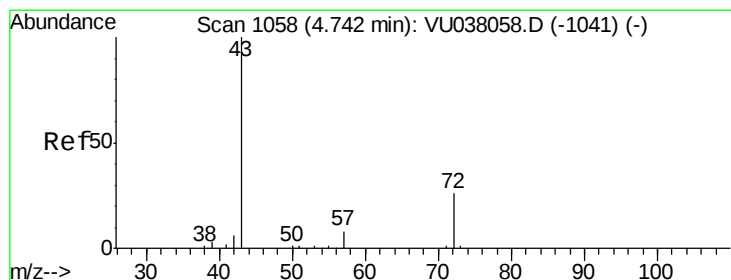
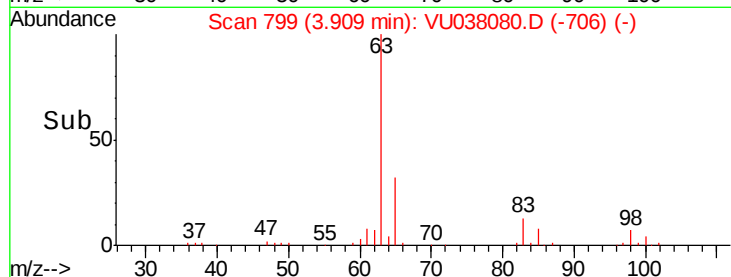
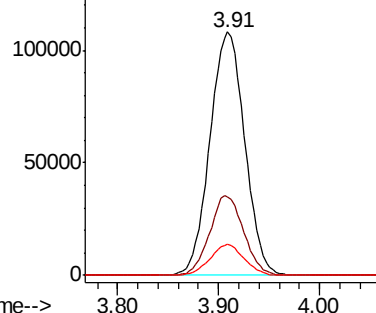
#19
 1,1-Dichloroethane
 Concen: 4.250 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: VU038080.D
 Acq: 08 May 2020 10:30

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 63 Resp: 258313
 Ion Ratio Lower Upper
 63 100
 65 32.4 22.5 41.7
 83 12.7 8.9 16.5

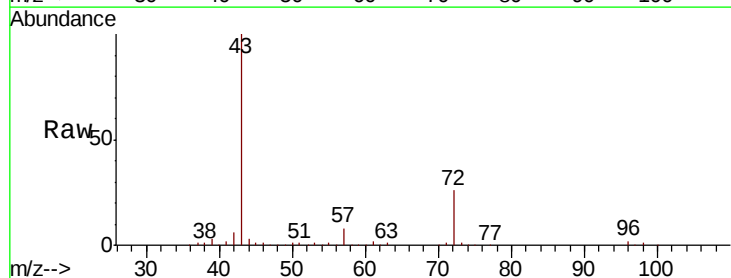


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

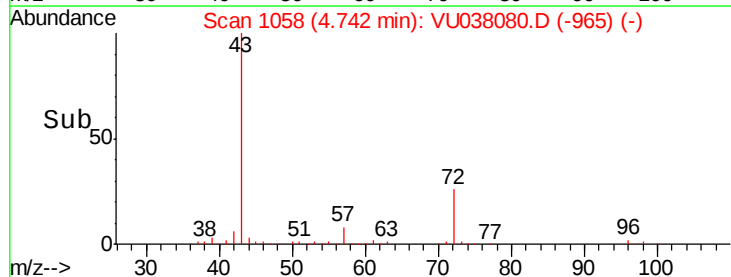
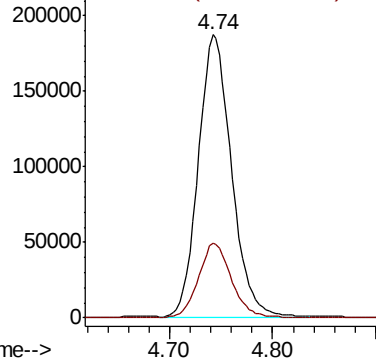


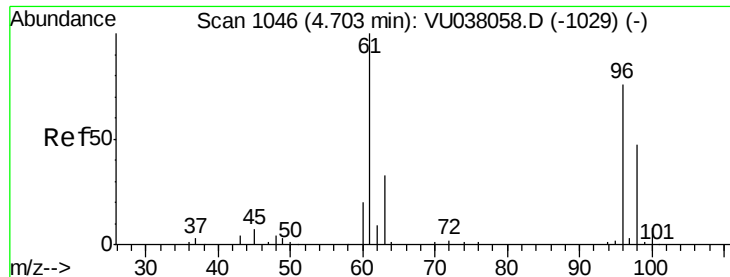
#21
 2-Butanone
 Concen: 40.704 ug/L
 RT: 4.74 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VU038080.D
 Acq: 08 May 2020 10:30

Tgt Ion: 43 Resp: 417775
 Ion Ratio Lower Upper
 43 100
 72 26.7 13.5 40.4



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: 4.349 ug/L

RT: 4.70 min Scan# 1046

Delta R.T. 0.00 min

Lab File: VU038080.D

Acq: 08 May 2020 10:30

Instrument :
MSVOA_U
ClientSampled :

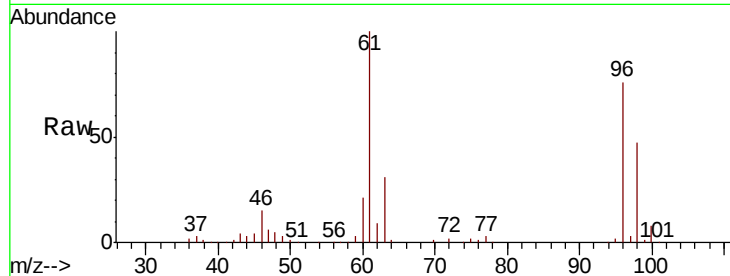
Tot Ion: 96 Resp: 145827

Ion Ratio Lower Upper

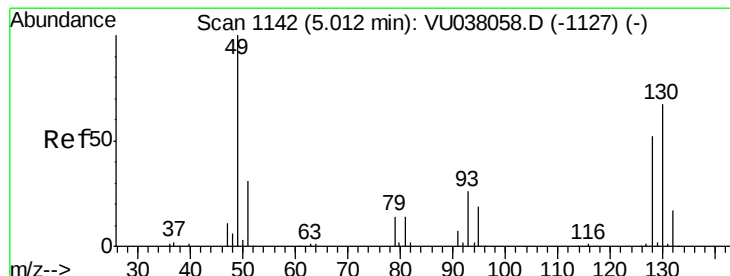
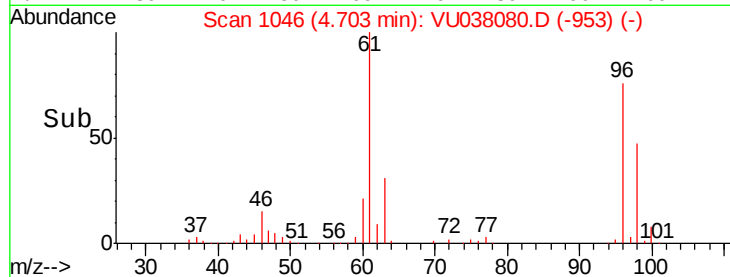
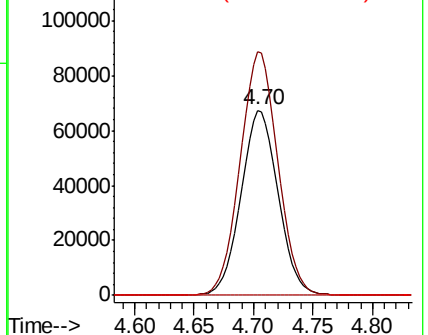
96 100

61 131.6 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: 4.164 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU038080.D

Acq: 08 May 2020 10:30

Tgt Ion: 128 Resp: 60085

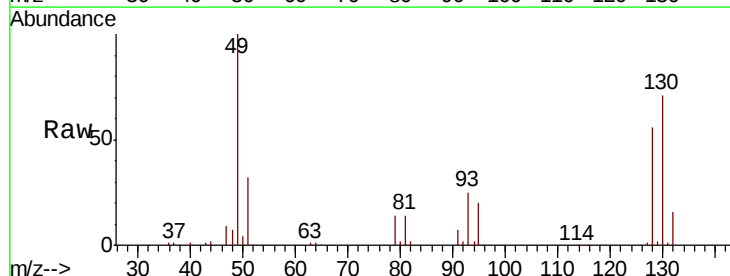
Ion Ratio Lower Upper

128 100

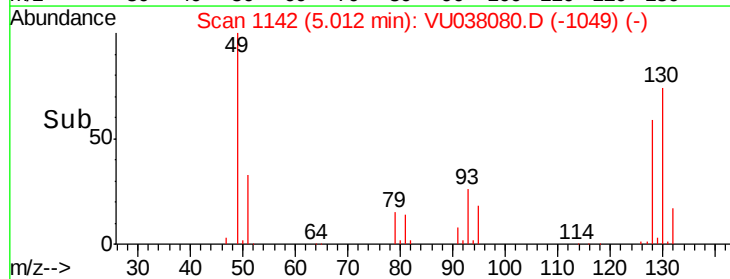
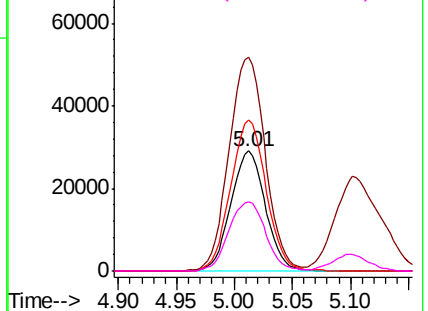
49 177.7 135.6 251.8

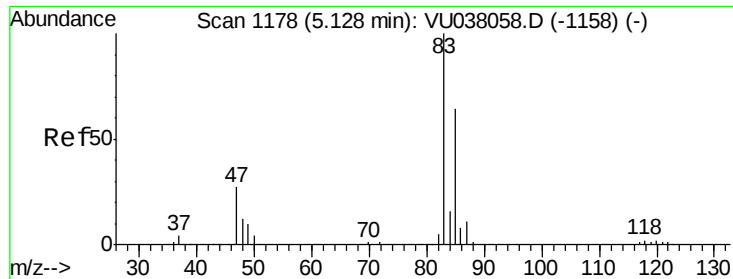
130 126.1 91.4 169.8

51 57.3 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

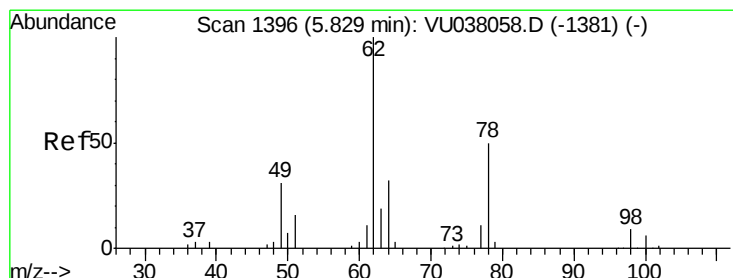
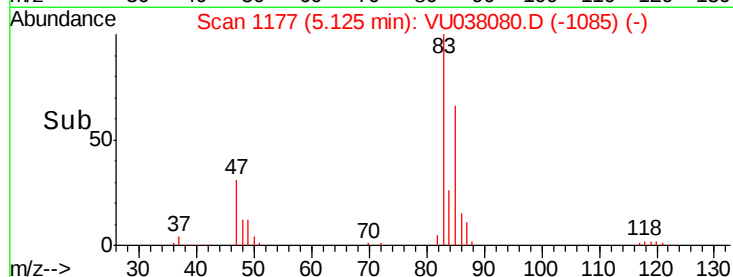
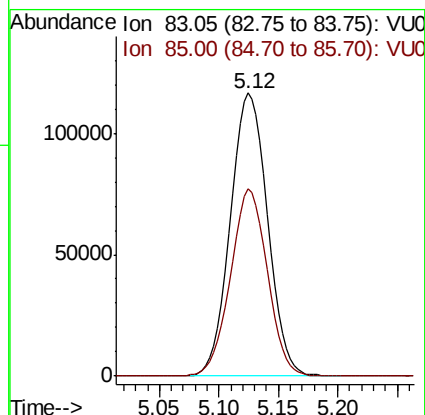
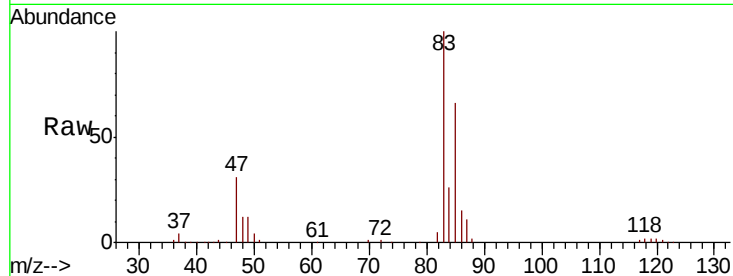




#25
Chloroform
Concen: 4.461 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU038080.D
Acq: 08 May 2020 10:30

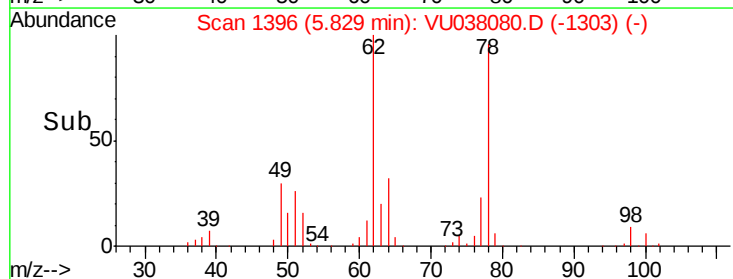
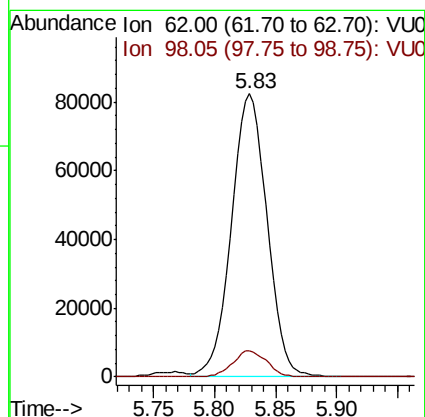
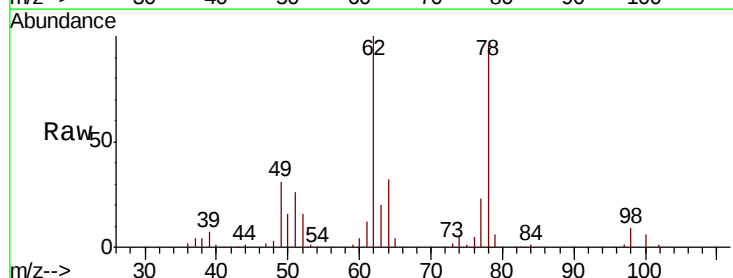
Instrument :
MSVOA_U
ClientSampled :

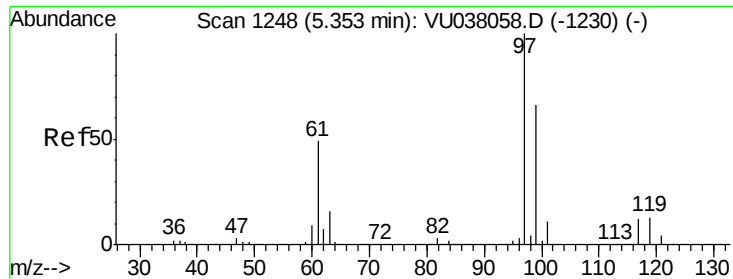
Tot Ion: 83 Resp: 252896
Ion Ratio Lower Upper
83 100
85 66.3 46.2 85.8



#27
1,2-Dichloroethane
Concen: 4.162 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU038080.D
Acq: 08 May 2020 10:30

Tgt Ion: 62 Resp: 166543
Ion Ratio Lower Upper
62 100
98 9.4 7.8 11.8

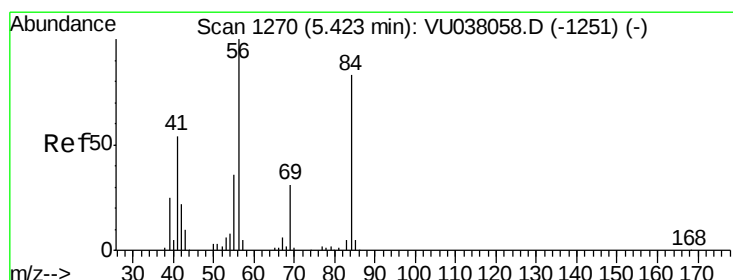
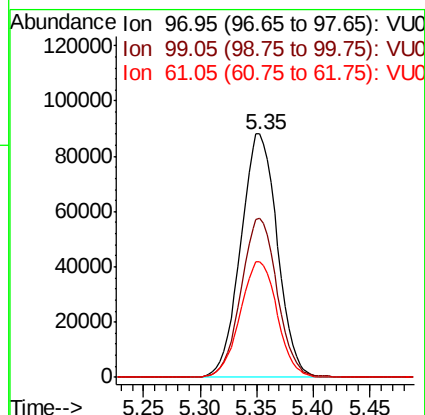
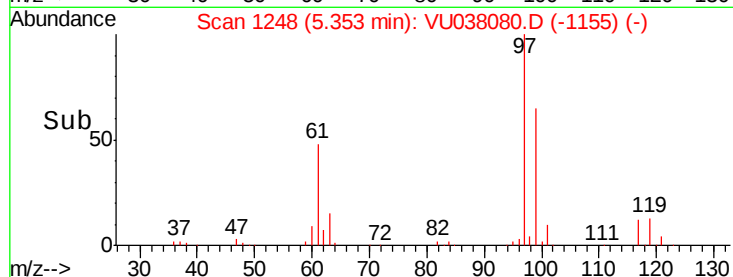
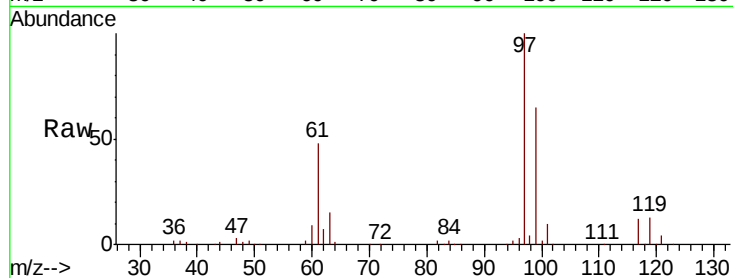




#29
 1,1,1-Trichloroethane
 Concen: 4.315 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VU038080.D
 Acq: 08 May 2020 10:30

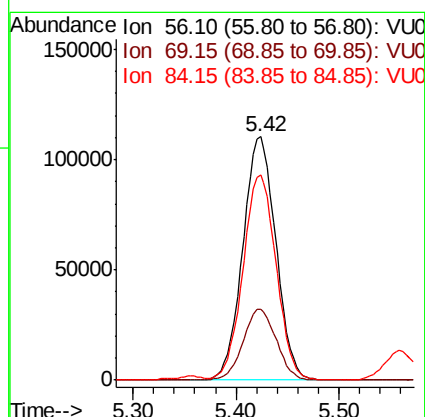
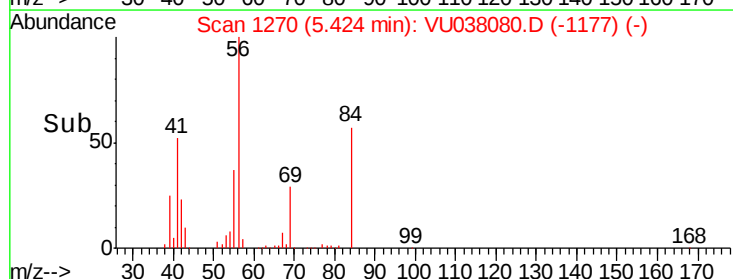
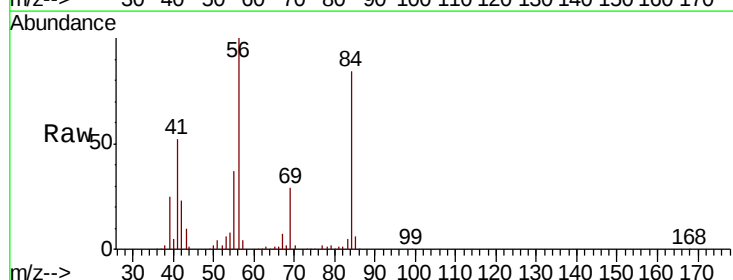
Instrument :
 MSVOA_U
 ClientSampled :

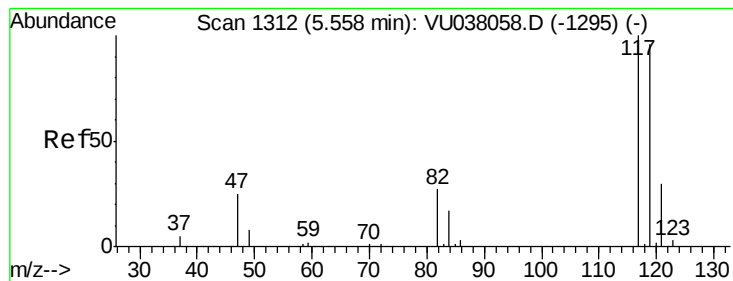
Tot Ion: 97 Resp: 198218
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.0 76.4
 61 48.3 38.2 57.4



#30
 Cyclohexane
 Concen: 4.533 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VU038080.D
 Acq: 08 May 2020 10:30

Tgt Ion: 56 Resp: 245849
 Ion Ratio Lower Upper
 56 100
 69 29.2 24.2 36.4
 84 84.7 68.5 102.7





#31

Carbon tetrachloride

Concen: 4.353 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU038080.D

Acq: 08 May 2020 10:30

Instrument :

MSVOA_U

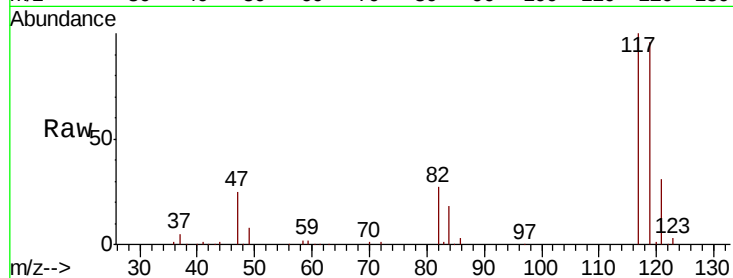
ClientSampleId :

Tot Ion:117 Resp: 160716

Ion Ratio Lower Upper

117 100

119 95.4 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

80000

60000

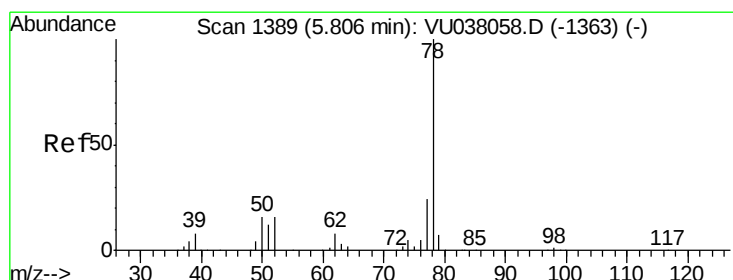
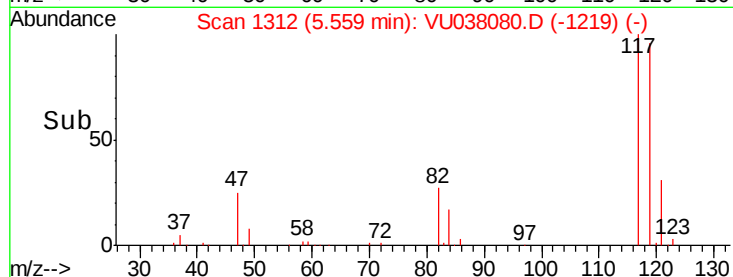
40000

20000

0

Time-->

5.45 5.50 5.55 5.60 5.65



#33

Benzene

Concen: 4.400 ug/L

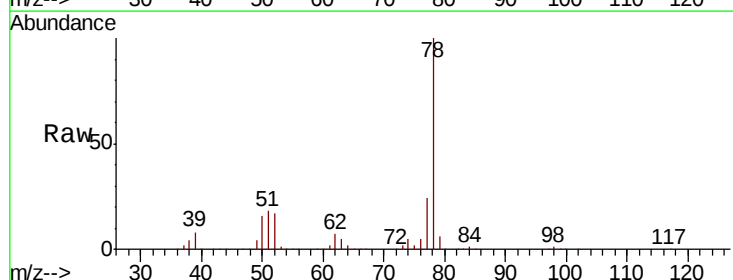
RT: 5.81 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VU038080.D

Acq: 08 May 2020 10:30

Tgt Ion: 78 Resp: 564921



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.81

300000

250000

200000

150000

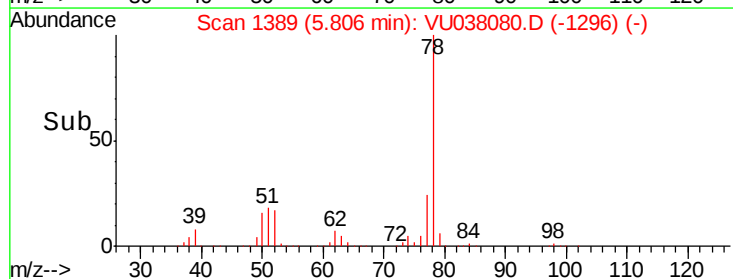
100000

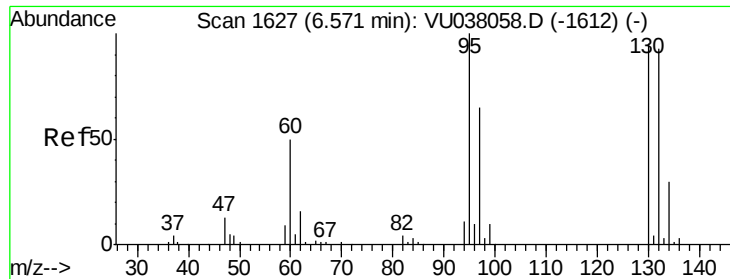
50000

0

Time-->

5.70 5.80 5.90

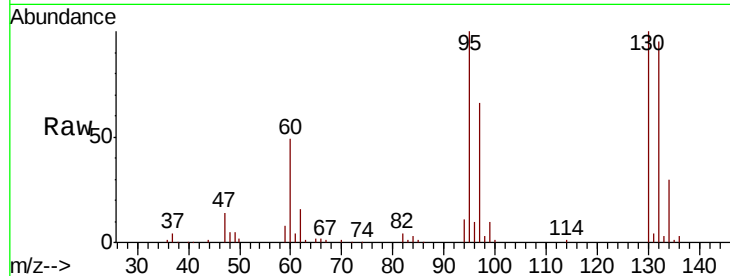




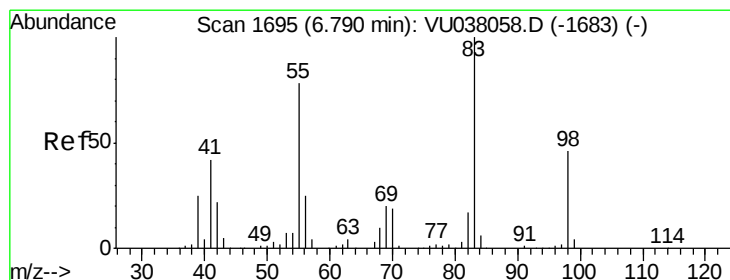
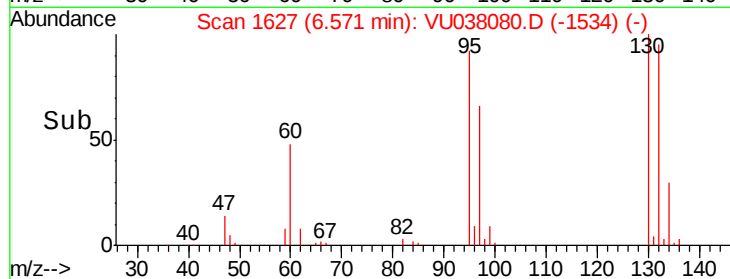
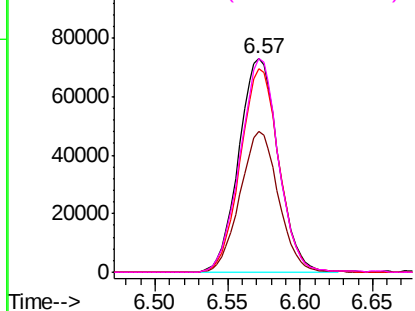
#34
 Trichloroethene
 Concen: 4.304 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU038080.D
 Acq: 08 May 2020 10:30

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 138215
 Ion Ratio Lower Upper
 95 100
 97 66.2 44.9 83.3
 132 95.4 63.3 117.5
 130 100.1 65.7 122.1

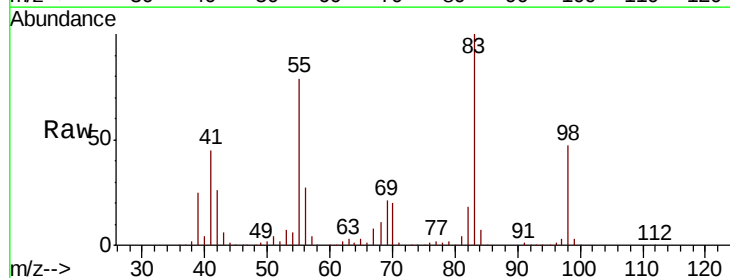


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

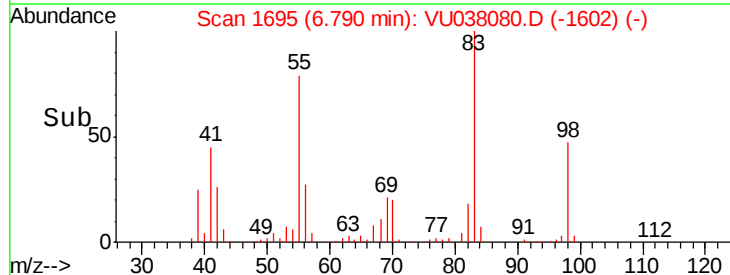
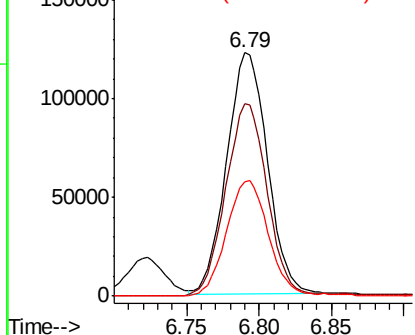


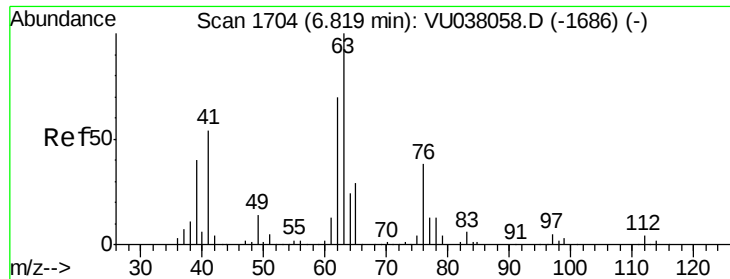
#35
 Methylcyclohexane
 Concen: 4.589 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU038080.D
 Acq: 08 May 2020 10:30

Tgt Ion: 83 Resp: 238710
 Ion Ratio Lower Upper
 83 100
 55 80.6 66.7 100.1
 98 48.9 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

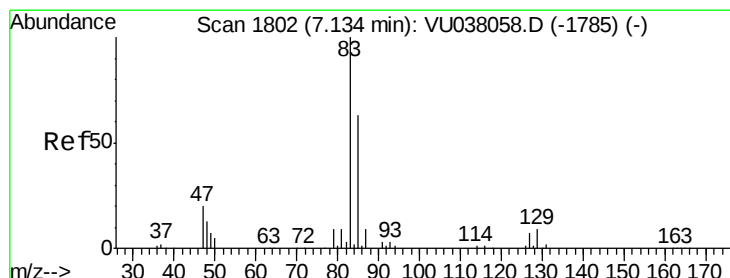
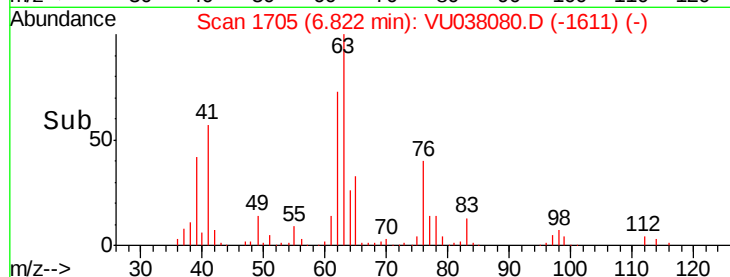
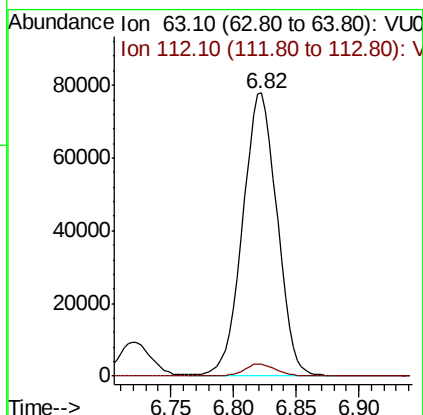
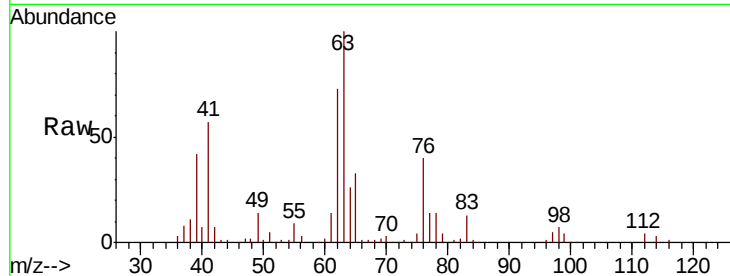




#37
 1,2-Dichloropropane
 Concen: 4.258 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU038080.D
 Acq: 08 May 2020 10:30

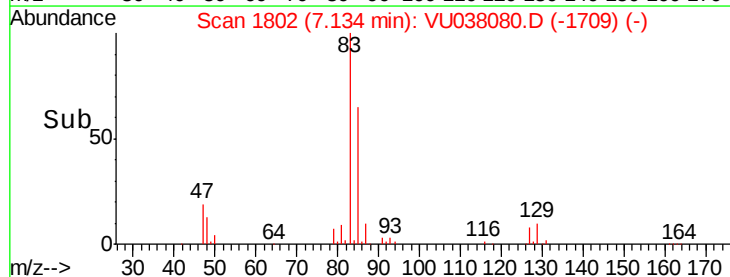
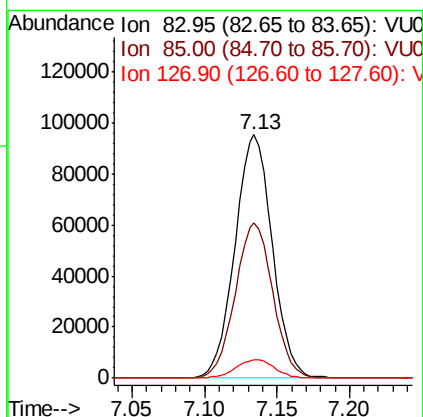
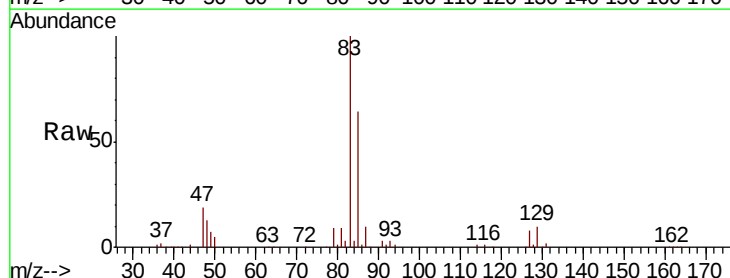
Instrument :
 MSVOA_U
 ClientSampled :

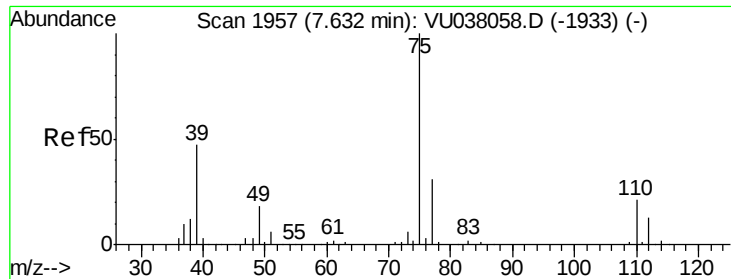
Tot Ion: 63 Resp: 148483
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.1 4.7



#38
 Bromodichloromethane
 Concen: 4.206 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VU038080.D
 Acq: 08 May 2020 10:30

Tgt Ion: 83 Resp: 169584
 Ion Ratio Lower Upper
 83 100
 85 63.7 44.6 82.8
 127 7.6 6.4 9.6

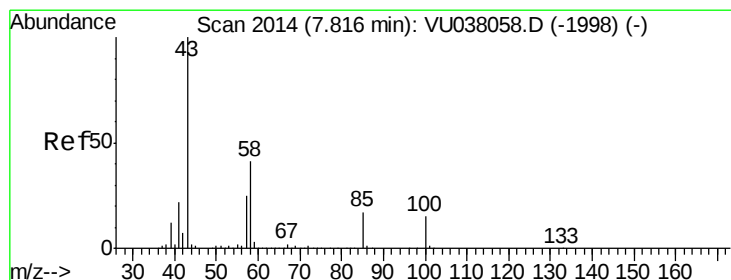
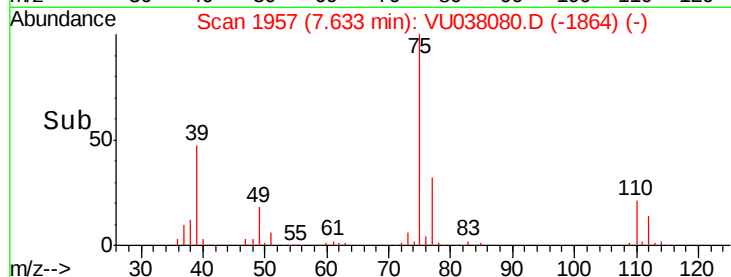
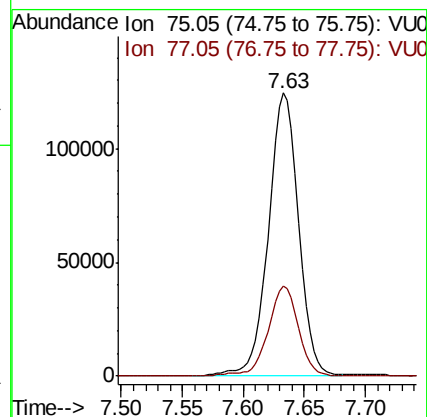
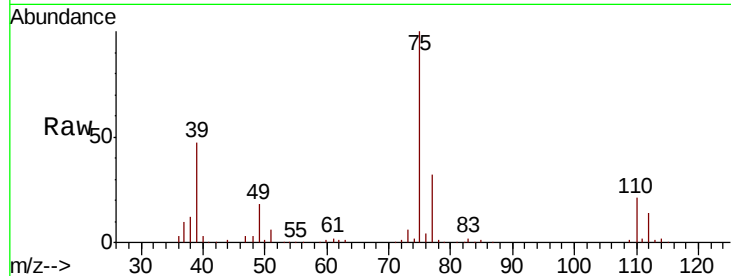




#39
 cis-1,3-Dichloropropene
 Concen: 4.311 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU038080.D
 Acq: 08 May 2020 10:30

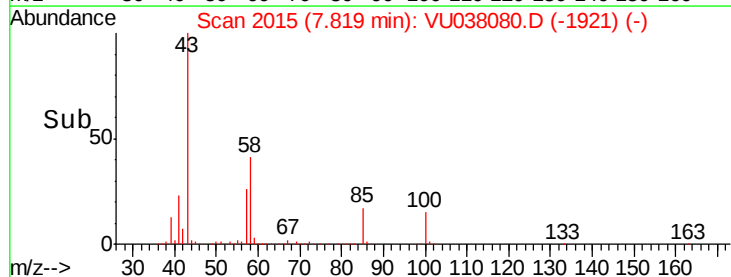
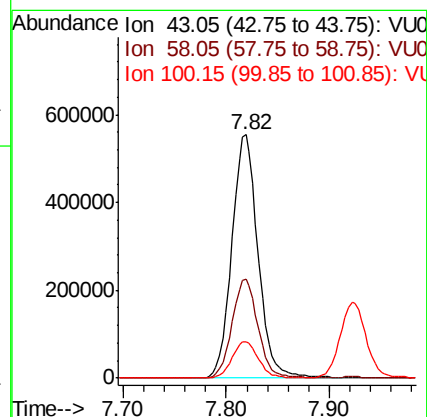
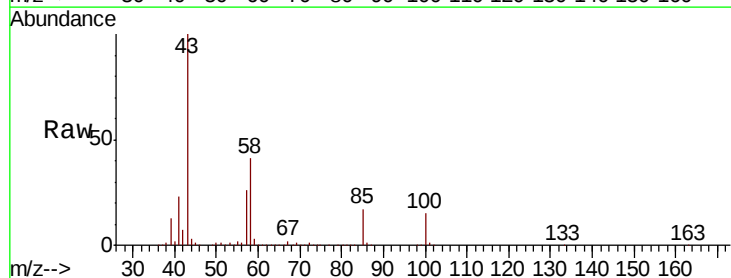
Instrument :
 MSVOA_U
 ClientSampled :

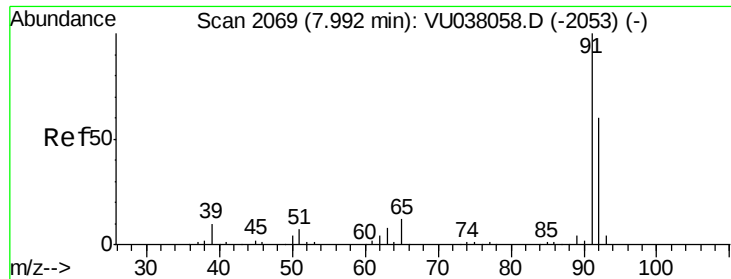
Tot Ion: 75 Resp: 215151
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 40.537 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU038080.D
 Acq: 08 May 2020 10:30

Tgt Ion: 43 Resp: 979772
 Ion Ratio Lower Upper
 43 100
 58 40.5 32.2 48.4
 100 15.1 12.1 18.1





#42

Toluene

Concen: 4.411 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU038080.D

Acq: 08 May 2020 10:30

Instrument :

MSVOA_U

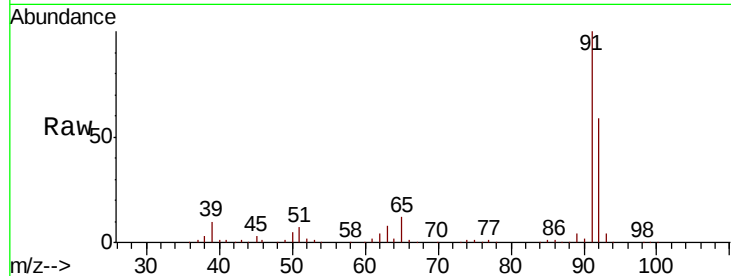
ClientSampleId :

Tot Ion: 91 Resp: 597792

Ion Ratio Lower Upper

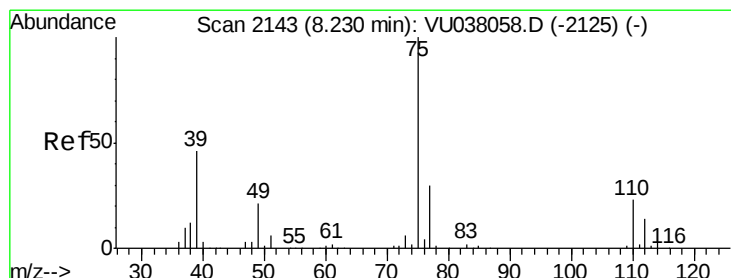
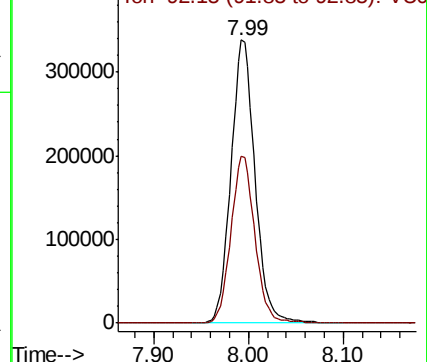
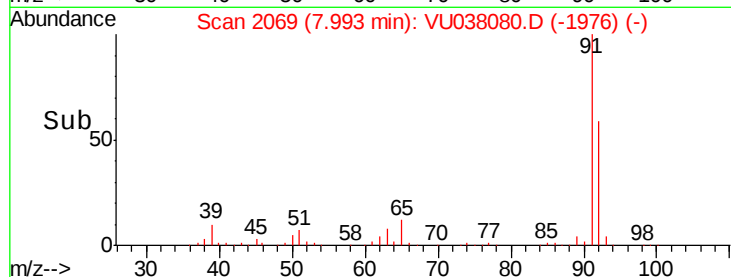
91 100

92 59.1 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU038080.D (-1976) (-)

Ion 92.15 (91.85 to 92.85): VU038080.D (-1976) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.240 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU038080.D

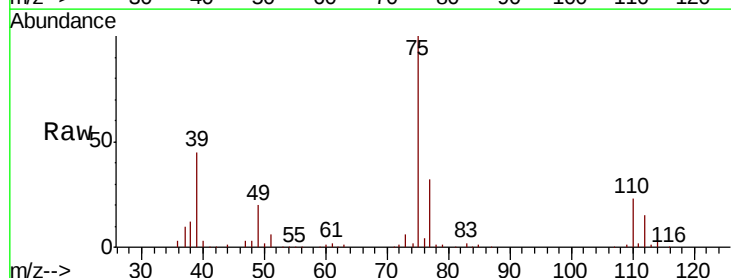
Acq: 08 May 2020 10:30

Tgt Ion: 75 Resp: 179961

Ion Ratio Lower Upper

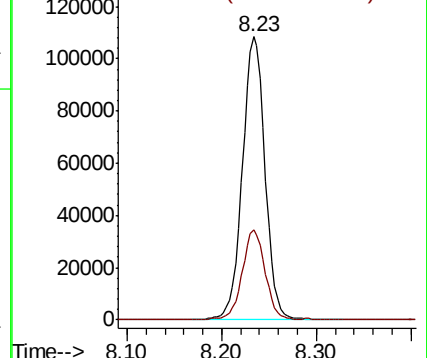
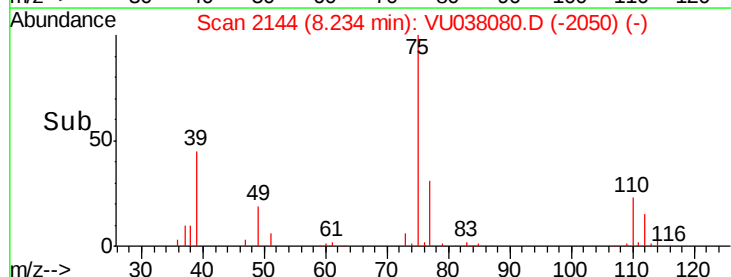
75 100

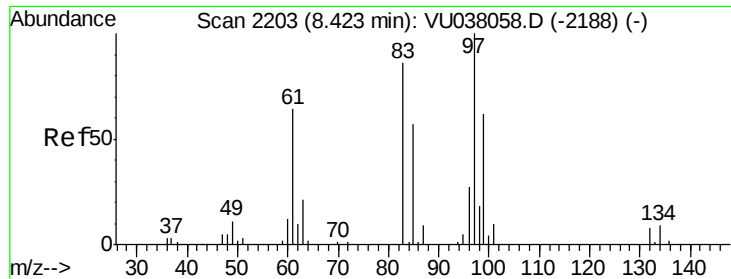
77 31.6 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VU038080.D (-2050) (-)

Ion 77.05 (76.75 to 77.75): VU038080.D (-2050) (-)

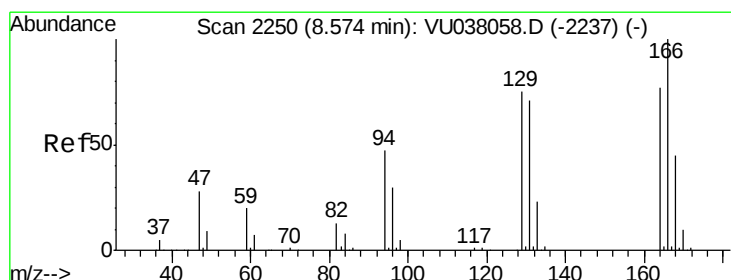
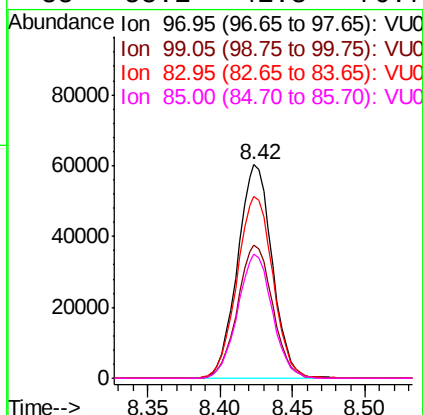
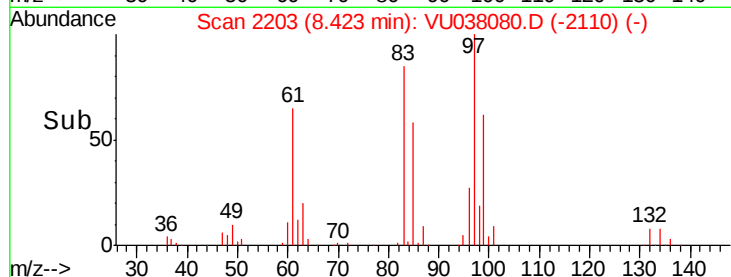
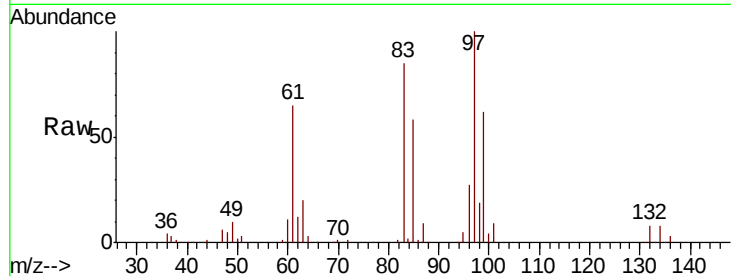




#45
 1,1,2-Trichloroethane
 Concen: 4.140 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. 0.00 min
 Lab File: VU038080.D
 Acq: 08 May 2020 10:30

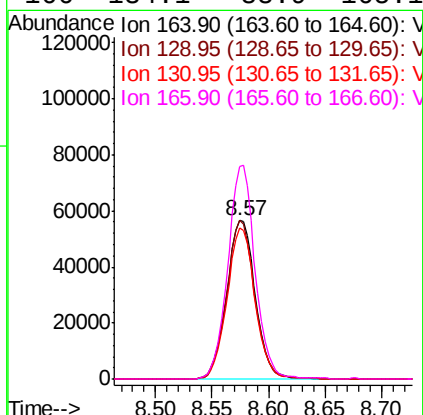
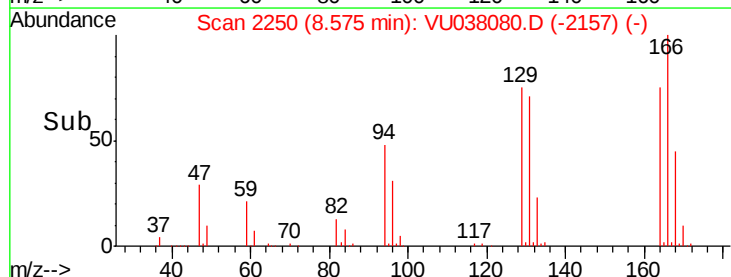
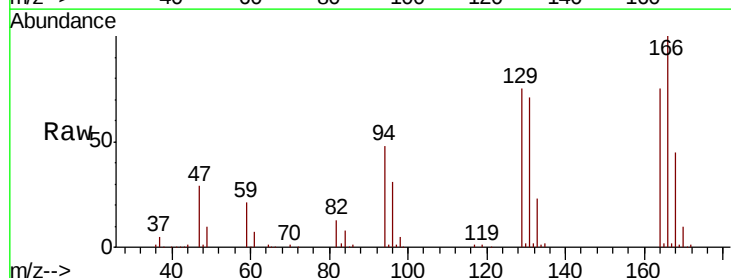
Instrument :
 MSVOA_U
 ClientSampleId :

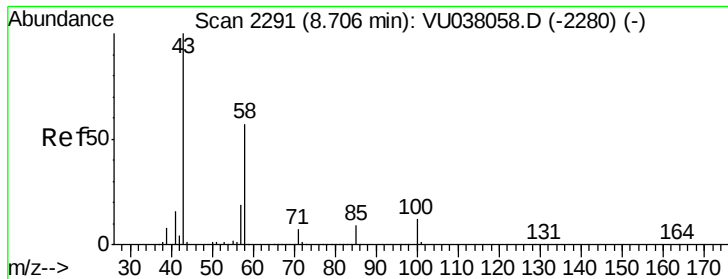
Tot Ion:	97	Resp:	100273
Ion	Ratio	Lower	Upper
97	100		
99	62.4	44.0	81.6
83	85.3	59.6	110.8
85	58.1	41.3	76.7



#47
 Tetrachloroethene
 Concen: 4.424 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: VU038080.D
 Acq: 08 May 2020 10:30

Tgt Ion:	164	Resp:	99357
Ion	Ratio	Lower	Upper
164	100		
129	100.6	68.8	127.8
131	95.1	66.8	124.2
166	134.1	88.9	165.1





#48

2-Hexanone

Concen: 42.116 ug/L

RT: 8.71 min Scan# 2291

Delta R.T. 0.00 min

Lab File: VU038080.D

Acq: 08 May 2020 10:30

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 745490

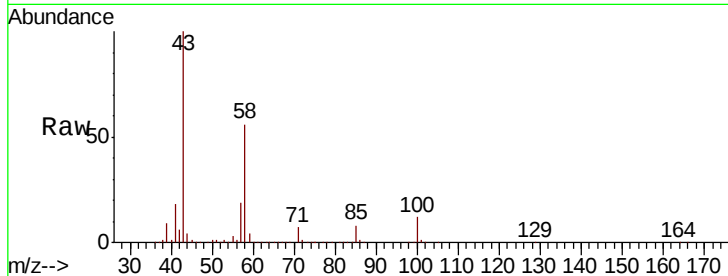
Ion Ratio Lower Upper

43 100

58 56.3 45.2 67.8

57 19.3 15.5 23.3

100 12.0 9.5 14.3

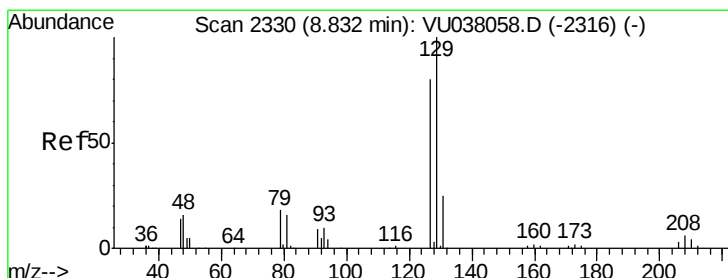
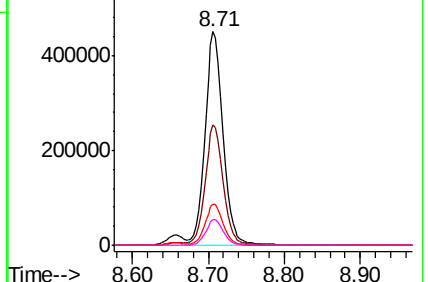
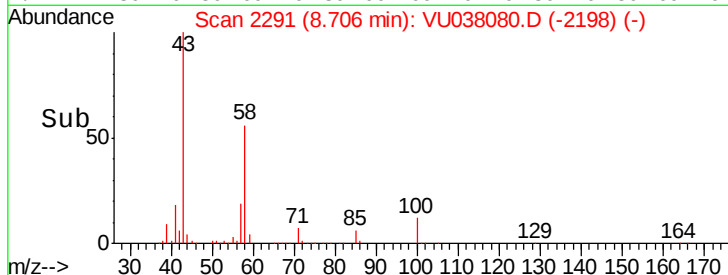


Abundance Ion 43.05 (42.75 to 43.75): VU038080.D (-2280) (-)

Ion 58.05 (57.75 to 58.75): VU038080.D (-2280) (-)

Ion 57.20 (56.90 to 57.90): VU038080.D (-2280) (-)

Ion 100.15 (99.85 to 100.85): VU038080.D (-2280) (-)



#49

Dibromochloromethane

Concen: 4.157 ug/L

RT: 8.83 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VU038080.D

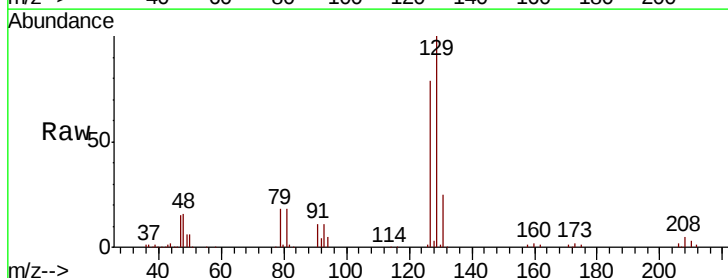
Acq: 08 May 2020 10:30

Tgt Ion: 129 Resp: 104478

Ion Ratio Lower Upper

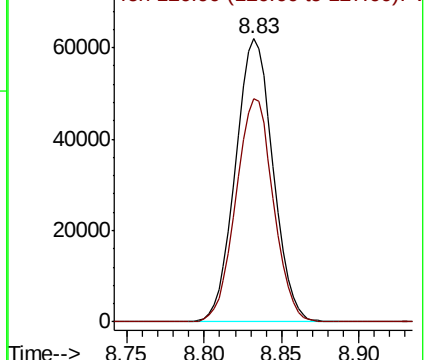
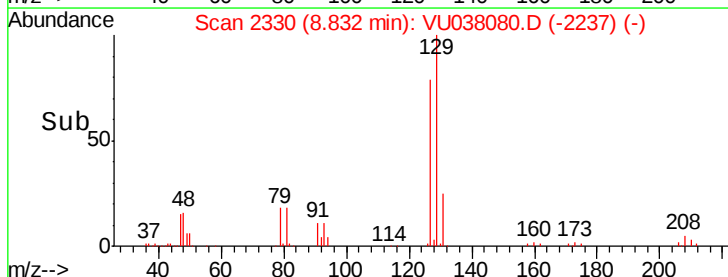
129 100

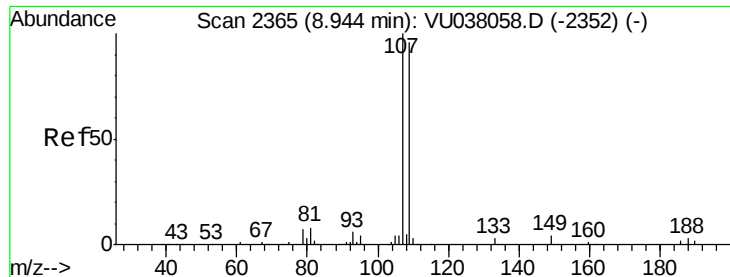
127 78.8 55.6 103.4



Abundance Ion 128.95 (128.65 to 129.65): VU038080.D (-2330) (-)

Ion 126.90 (126.60 to 127.60): VU038080.D (-2330) (-)

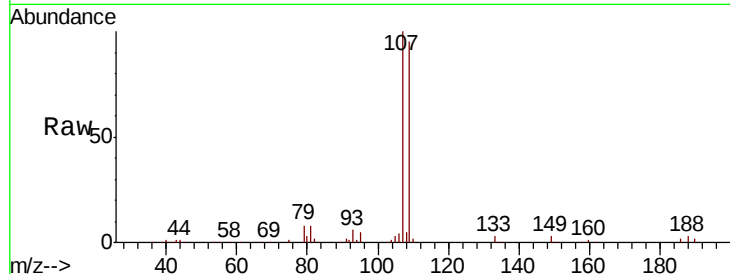




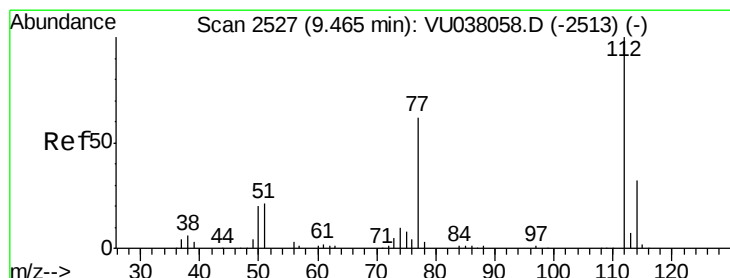
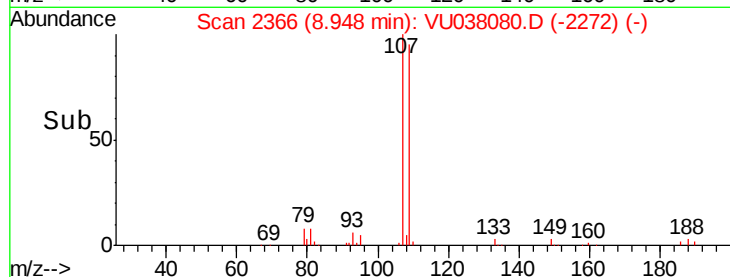
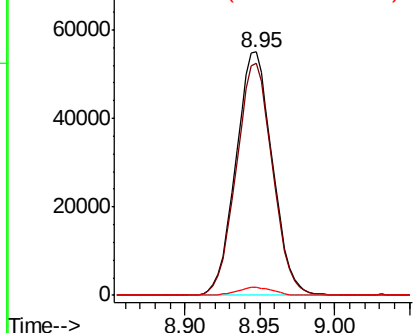
#50
 1,2-Dibromoethane
 Concen: 4.156 ug/L
 RT: 8.95 min Scan# 2366
 Delta R.T. 0.00 min
 Lab File: VU038080.D
 Acq: 08 May 2020 10:30

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	65.1	120.9
188	3.1	2.6	4.0

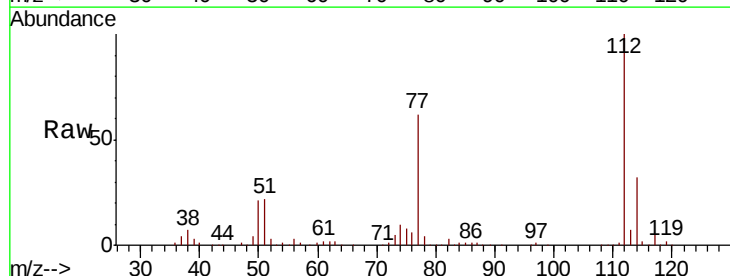


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

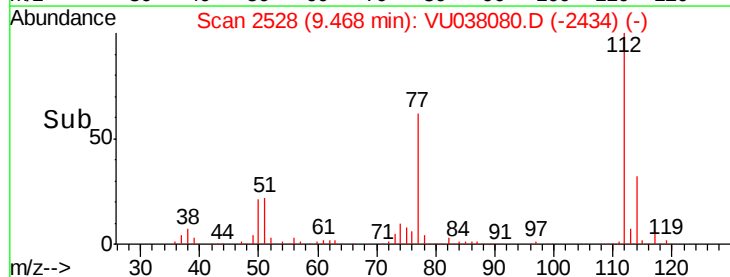
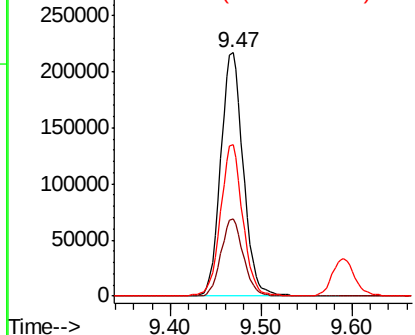


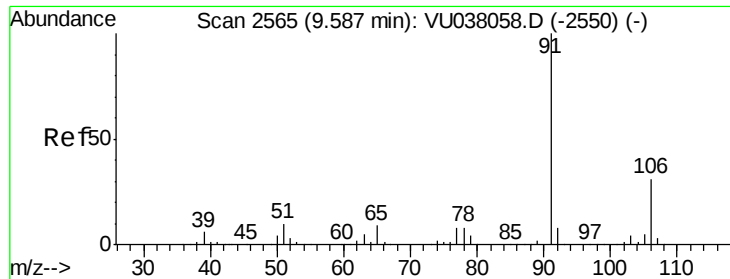
#51
 Chlorobenzene
 Concen: 4.430 ug/L
 RT: 9.47 min Scan# 2528
 Delta R.T. 0.00 min
 Lab File: VU038080.D
 Acq: 08 May 2020 10:30

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.5	41.7
77	62.0	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): V

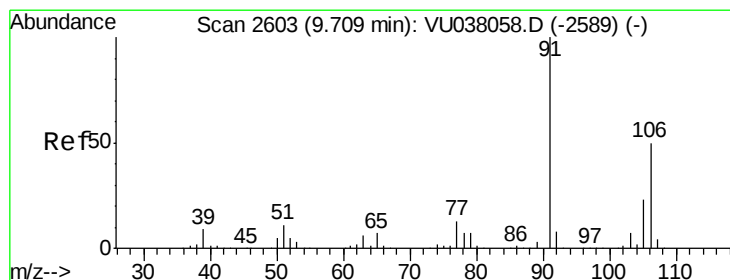
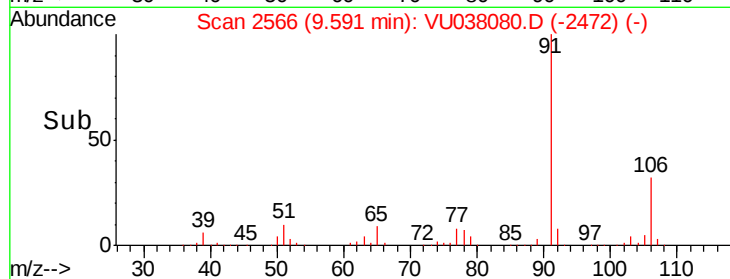
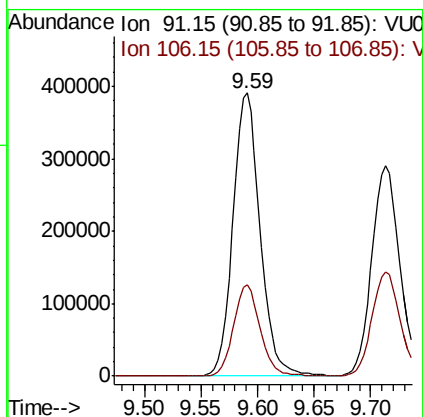
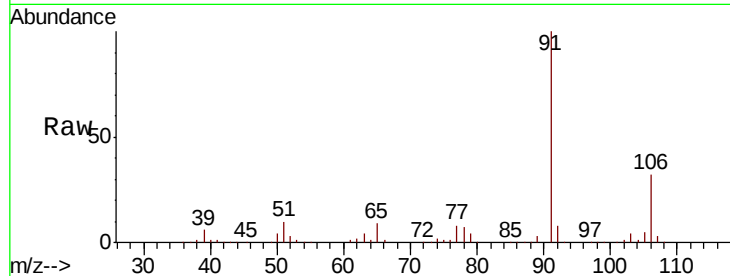




#52
Ethylbenzene
Concen: 4.455 ug/L
RT: 9.59 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VU038080.D
Acq: 08 May 2020 10:30

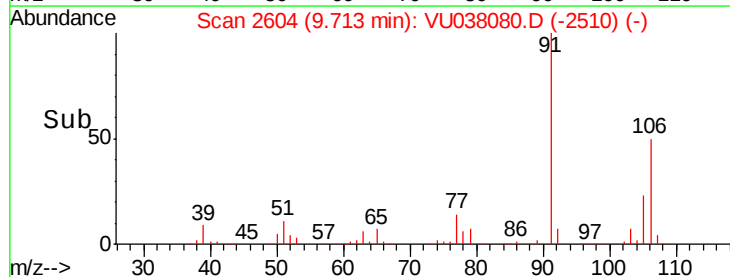
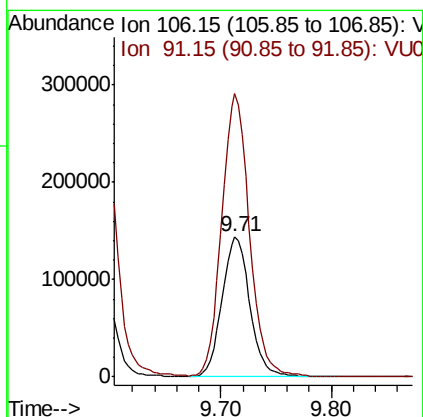
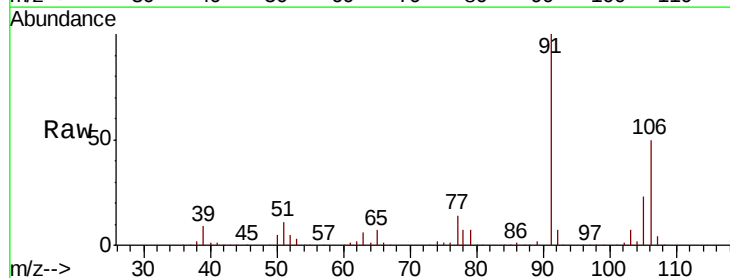
Instrument :
MSVOA_U
ClientSampleId :

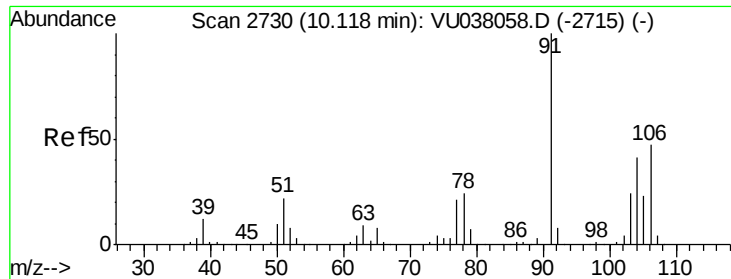
Tot Ion: 91 Resp: 654004
Ion Ratio Lower Upper
91 100
106 32.2 21.8 40.4



#53
m,p-Xylene
Concen: 4.481 ug/L
RT: 9.71 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VU038080.D
Acq: 08 May 2020 10:30

Tgt Ion: 106 Resp: 252263
Ion Ratio Lower Upper
106 100
91 201.9 142.1 263.9

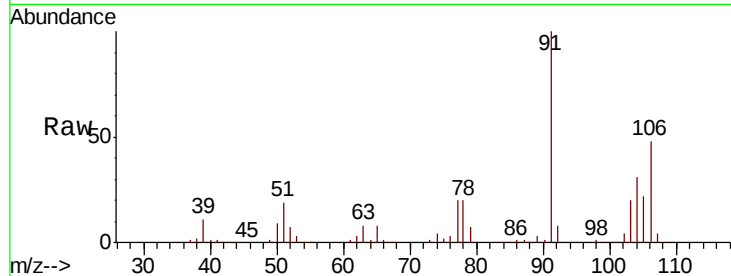




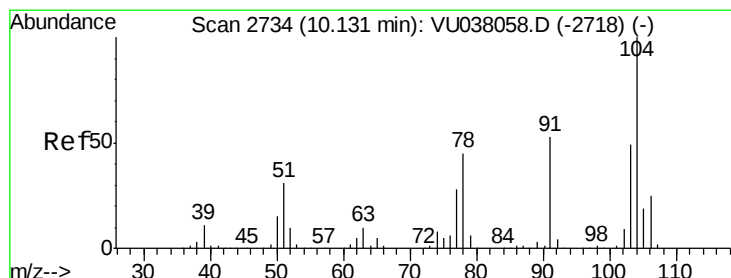
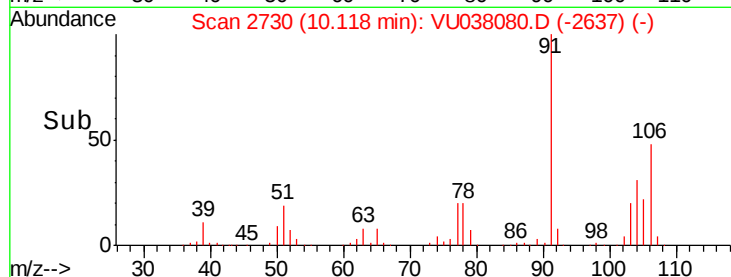
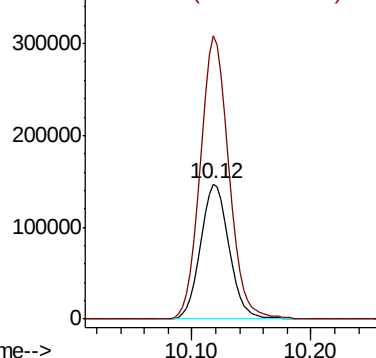
#54
o-Xylene
Concen: 4.519 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU038080.D
Acq: 08 May 2020 10:30

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 245962
Ion Ratio Lower Upper
106 100
91 209.4 148.5 275.9

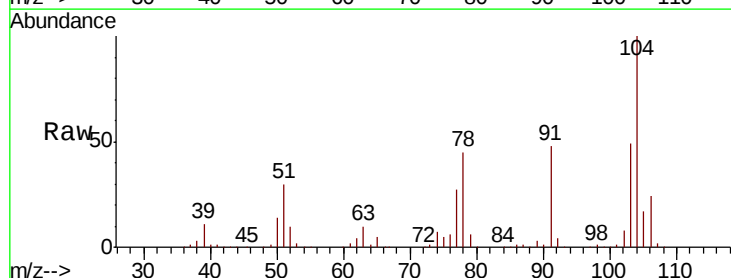


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

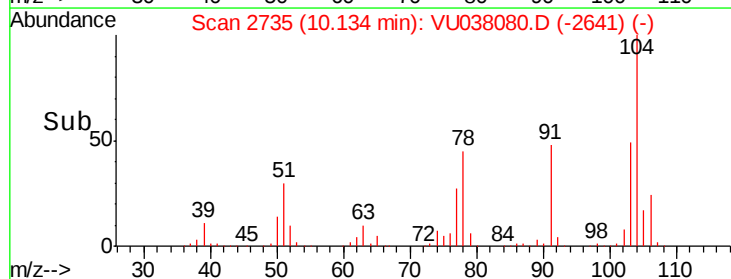
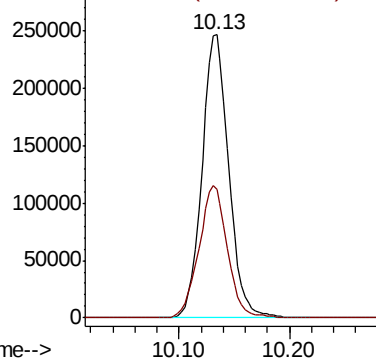


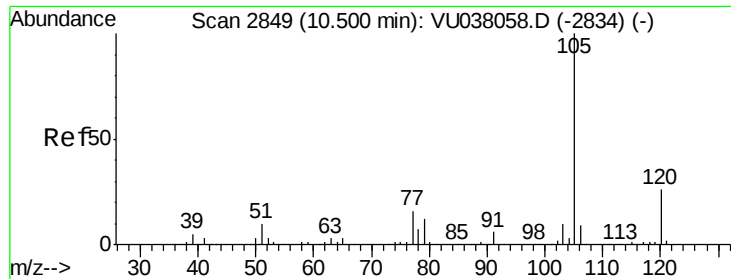
#55
Styrene
Concen: 4.512 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VU038080.D
Acq: 08 May 2020 10:30

Tgt Ion:104 Resp: 412275
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: 4.606 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU038080.D

Acq: 08 May 2020 10:30

Instrument :

MSVOA_U

ClientSampled :

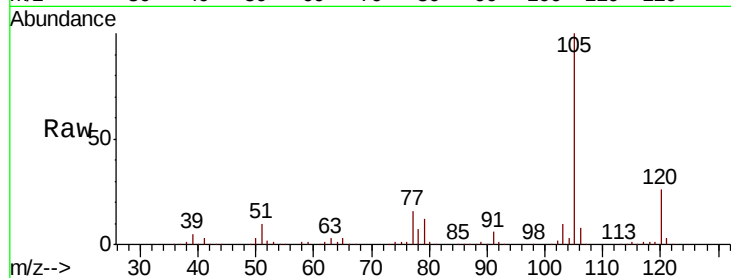
Tot Ion:105 Resp: 644013

Ion Ratio Lower Upper

105 100

120 25.9 21.0 31.6

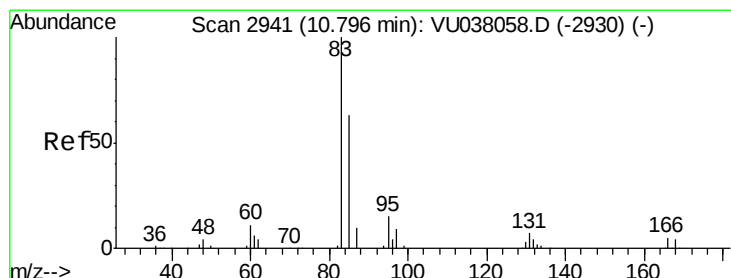
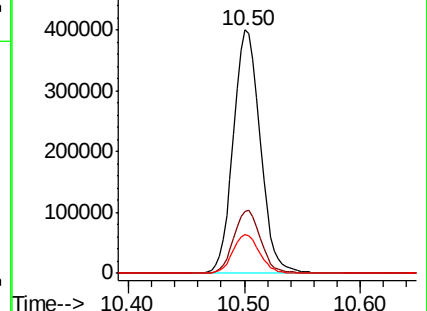
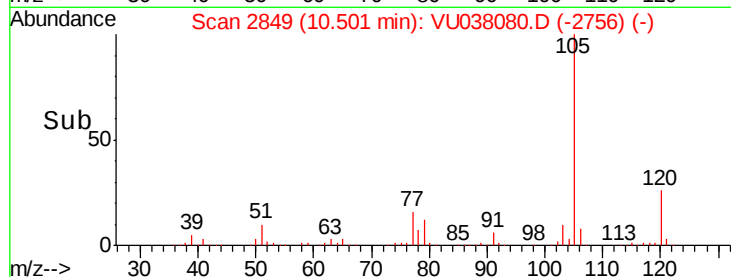
77 15.9 13.0 19.4



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: 4.037 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU038080.D

Acq: 08 May 2020 10:30

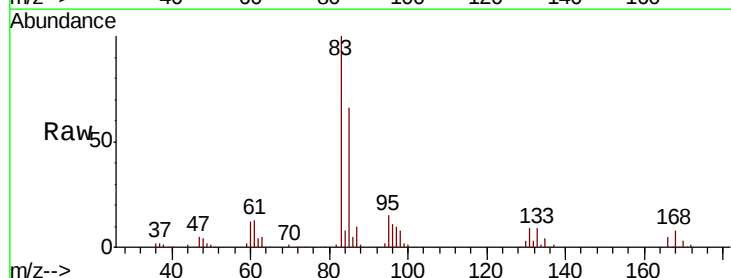
Tgt Ion: 83 Resp: 124141

Ion Ratio Lower Upper

83 100

85 66.5 47.0 87.2

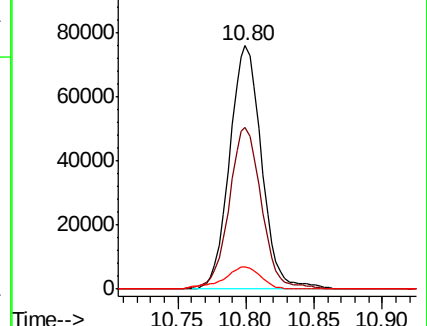
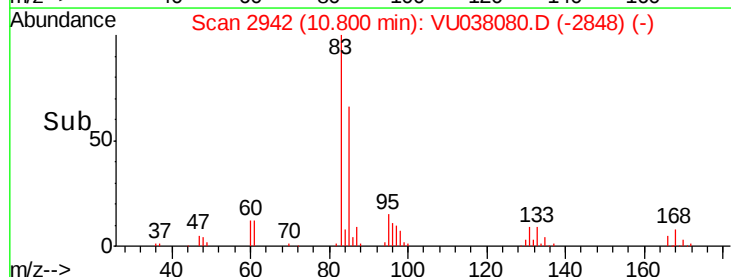
131 9.0 7.7 11.5

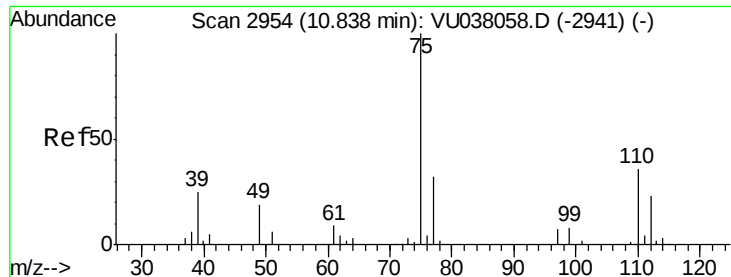


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

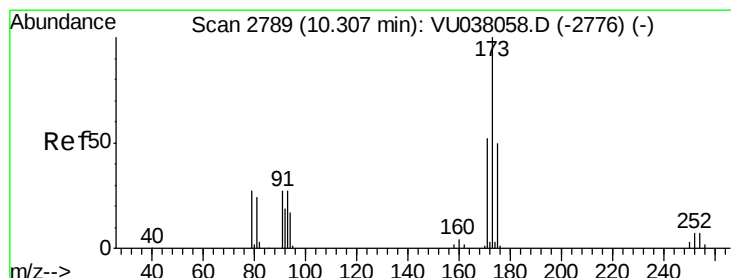
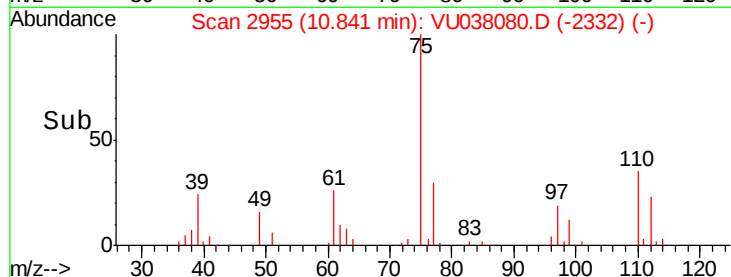
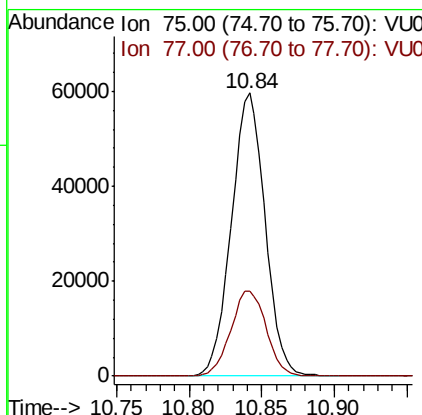
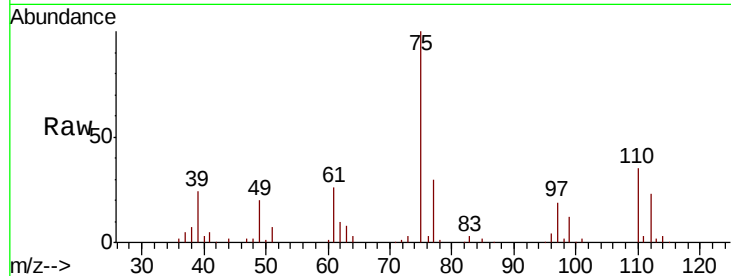




#59
 1,2,3-Trichloropropane
 Concen: 4.104 ug/L
 RT: 10.84 min Scan# 2955
 Delta R.T. 0.00 min
 Lab File: VU038080.D
 Acq: 08 May 2020 10:30

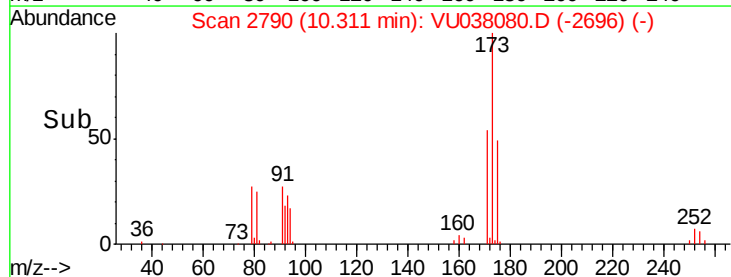
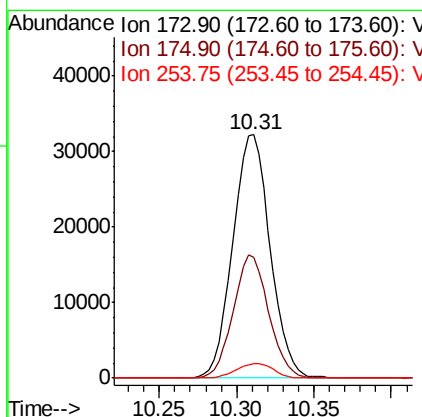
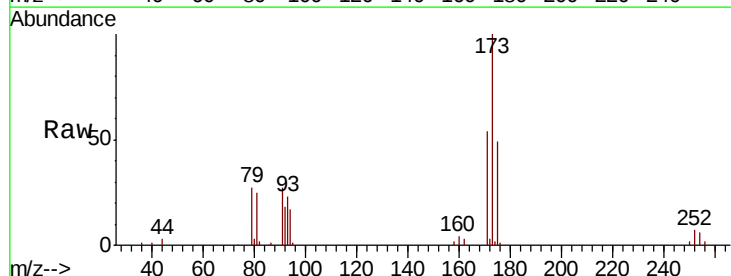
Instrument :
 MSVOA_U
 ClientSampleId :

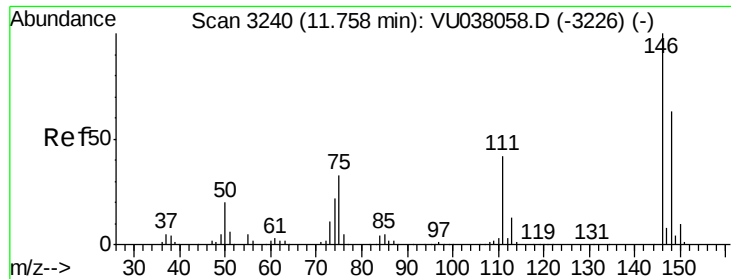
Tot Ion: 75 Resp: 96047
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.4 38.0



#61
 Bromoform
 Concen: 4.081 ug/L
 RT: 10.31 min Scan# 2790
 Delta R.T. 0.00 min
 Lab File: VU038080.D
 Acq: 08 May 2020 10:30

Tgt Ion: 173 Resp: 53970
 Ion Ratio Lower Upper
 173 100
 175 47.8 39.5 59.3
 254 5.9 5.0 7.4

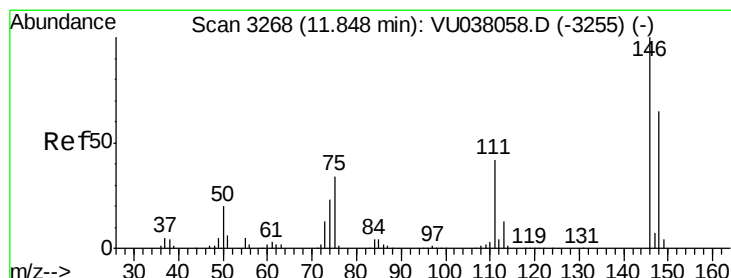
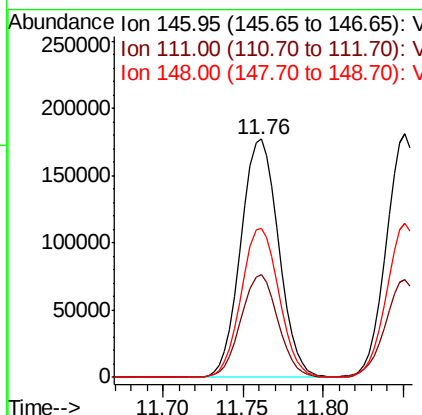
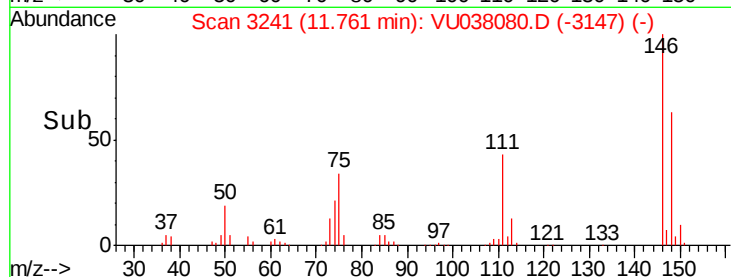
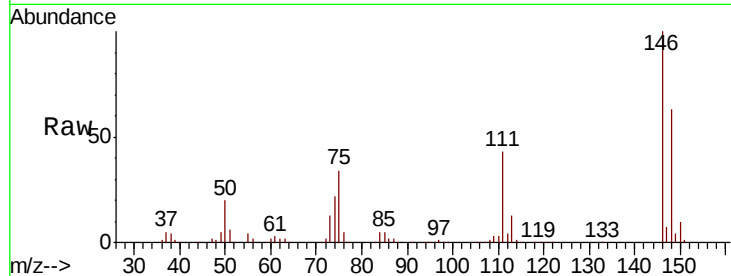




#62
 1,3-Dichlorobenzene
 Concen: 4.483 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. 0.00 min
 Lab File: VU038080.D
 Acq: 08 May 2020 10:30

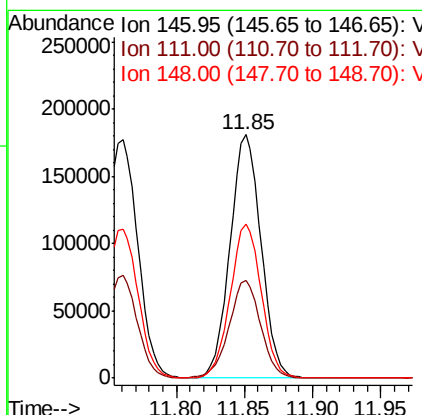
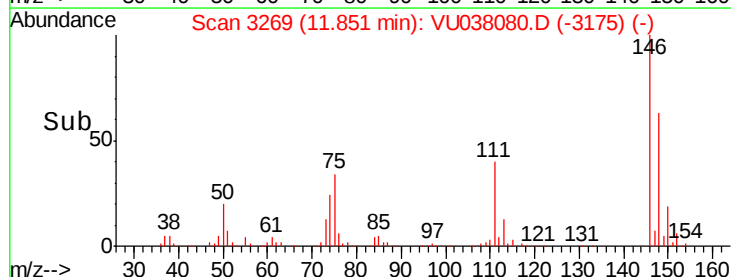
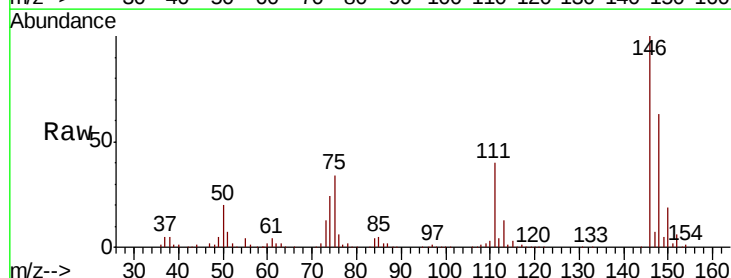
Instrument :
 MSVOA_U
 ClientSampled :

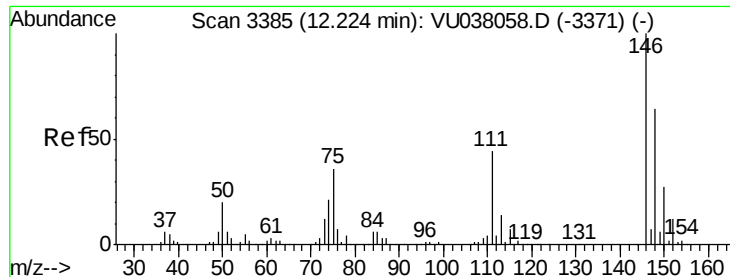
Tot Ion:146 Resp: 285414
 Ion Ratio Lower Upper
 146 100
 111 43.1 28.6 53.2
 148 62.9 45.2 84.0



#63
 1,4-Dichlorobenzene
 Concen: 4.420 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU038080.D
 Acq: 08 May 2020 10:30

Tgt Ion:146 Resp: 285107
 Ion Ratio Lower Upper
 146 100
 111 40.3 27.2 50.6
 148 63.2 43.8 81.3





#65

1,2-Dichlorobenzene

Concen: 4.376 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU038080.D

Acq: 08 May 2020 10:30

Instrument :

MSVOA_U

ClientSampled :

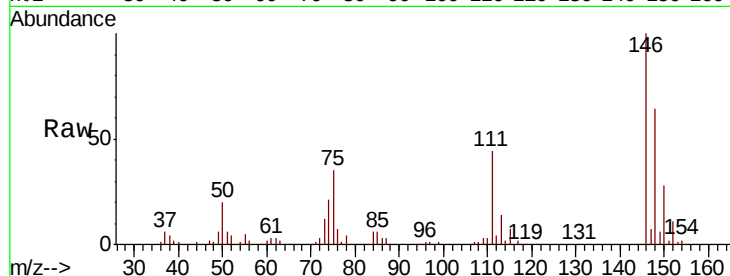
Tot Ion:146 Resp: 268038

Ion Ratio Lower Upper

146 100

111 43.7 35.3 52.9

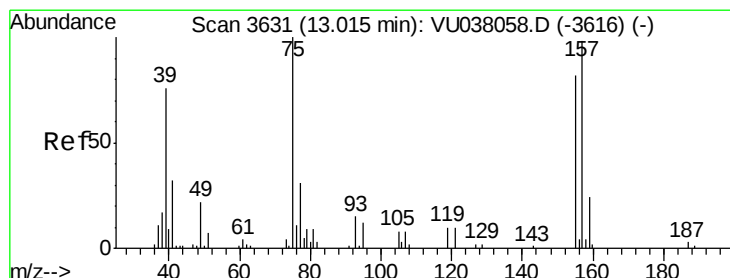
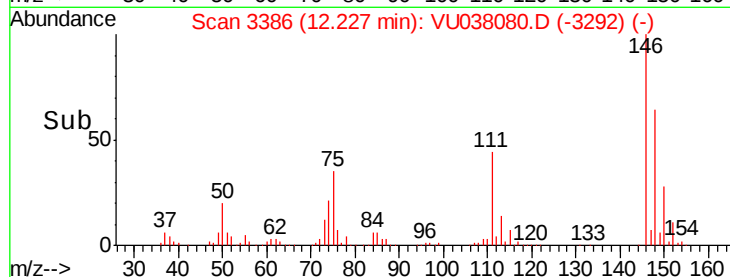
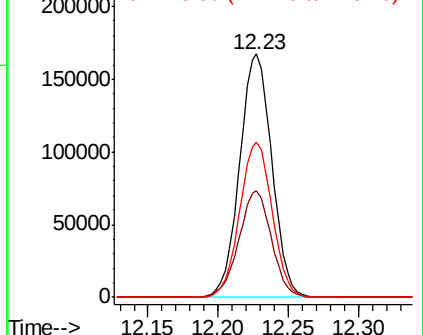
148 63.7 51.0 76.4



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: 3.937 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. 0.00 min

Lab File: VU038080.D

Acq: 08 May 2020 10:30

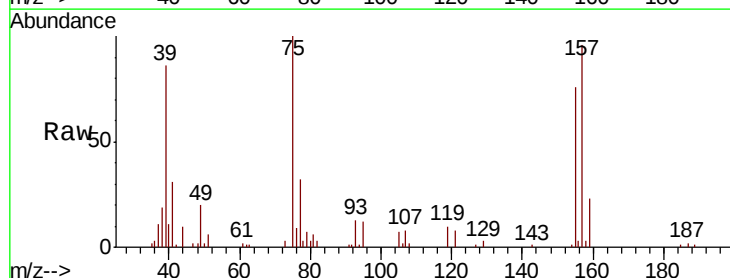
Tgt Ion: 75 Resp: 19709

Ion Ratio Lower Upper

75 100

155 76.4 58.2 87.2

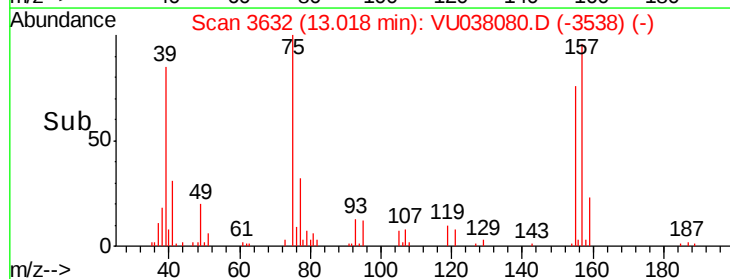
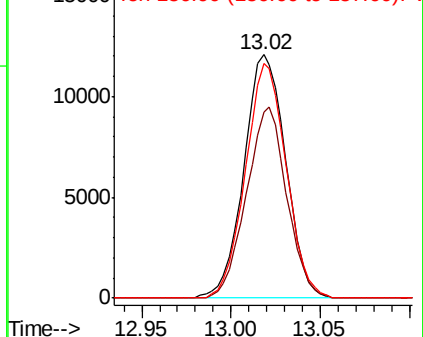
157 96.5 72.9 109.3

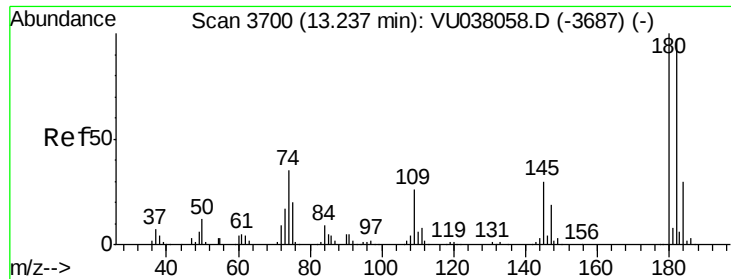


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

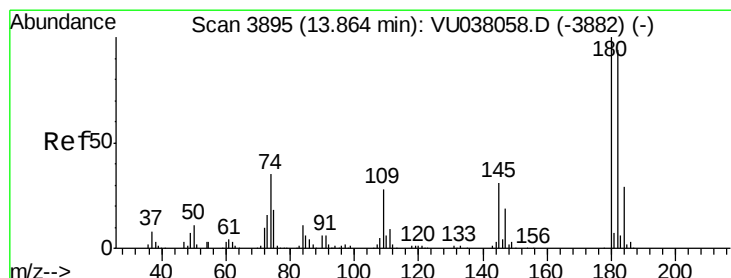
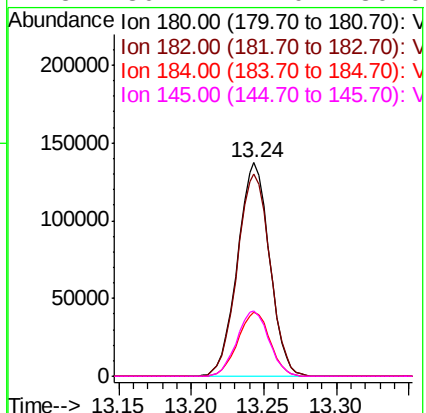
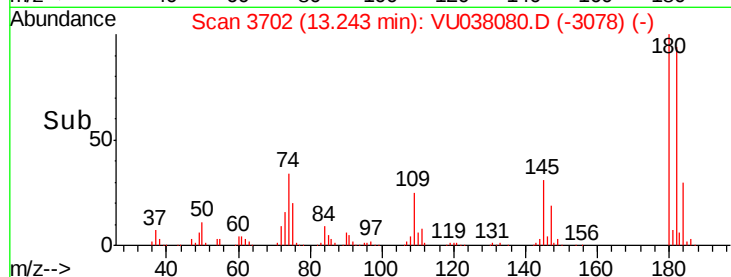
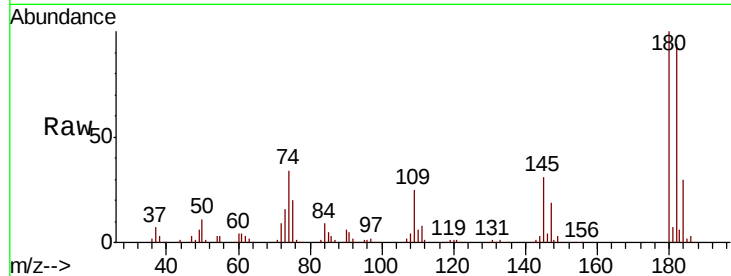




#67
 1,3,5-Trichlorobenzene
 Concen: 4.558 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. 0.01 min
 Lab File: VU038080.D
 Acq: 08 May 2020 10:30

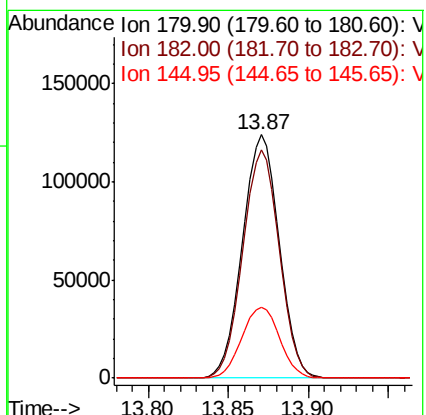
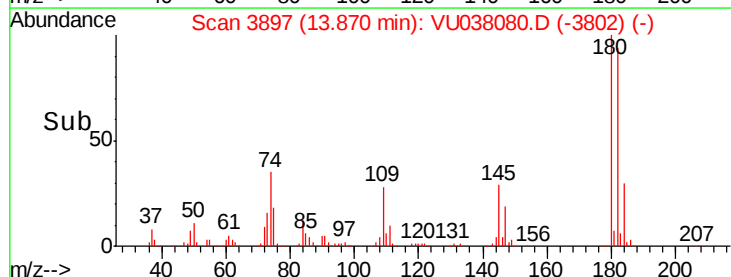
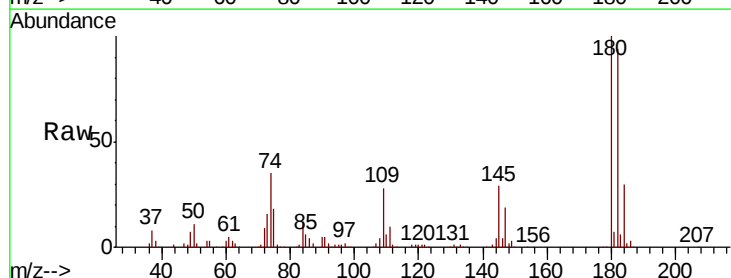
Instrument :
 MSVOA_U
 ClientSampleId :

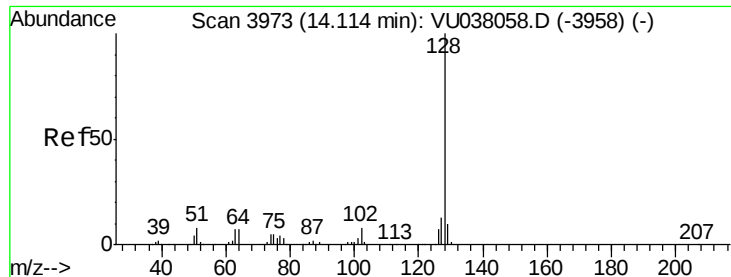
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	77.4	116.2
184	30.1	24.2	36.2
145	30.7	24.0	36.0



#68
 1,2,4-trichlorobenzene
 Concen: 4.626 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. 0.01 min
 Lab File: VU038080.D
 Acq: 08 May 2020 10:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.2	75.0	112.6
145	30.1	24.8	37.2





#69

Naphthalene

Concen: 4.366 ug/L

RT: 14.12 min Scan# 3974

Delta R.T. 0.00 min

Lab File: VU038080.D

Acq: 08 May 2020 10:30

Instrument :

MSVOA_U

ClientSampleId :

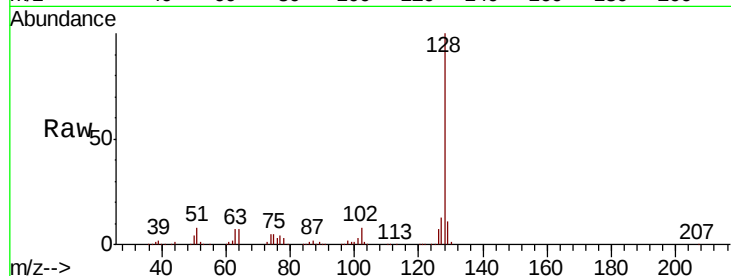
Tot Ion:128 Resp: 385173

Ion Ratio Lower Upper

128 100

129 10.6 8.7 13.1

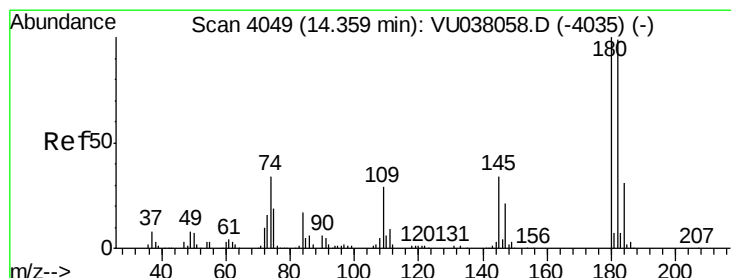
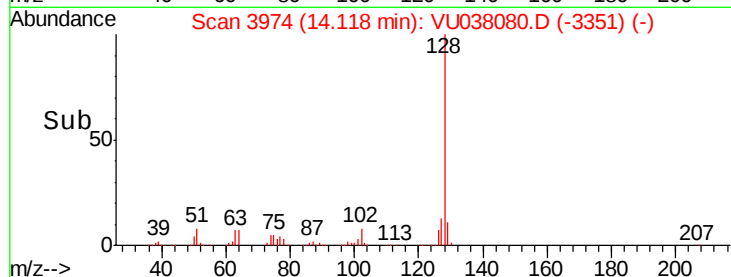
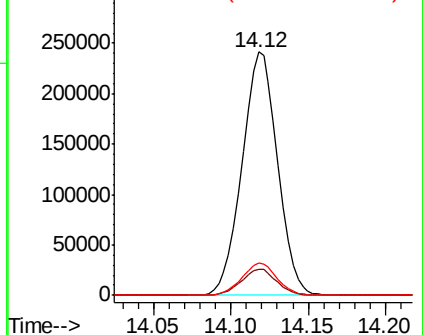
127 13.1 10.2 15.4



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: 4.527 ug/L

RT: 14.37 min Scan# 4051

Delta R.T. 0.01 min

Lab File: VU038080.D

Acq: 08 May 2020 10:30

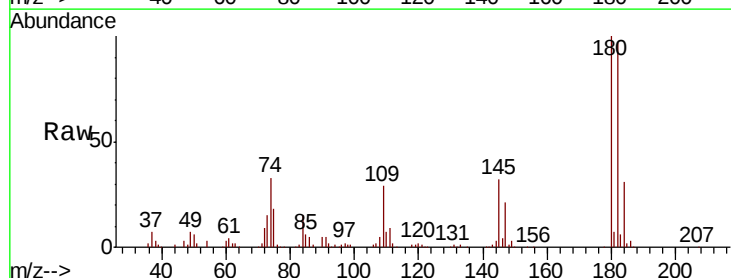
Tgt Ion:180 Resp: 176321

Ion Ratio Lower Upper

180 100

182 95.5 76.3 114.5

145 33.6 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

