

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090220\
 Data File : VU040021.D
 Acq On : 02 Sep 2020 12:59
 Operator : SY/MD
 Sample : MDL06
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 03 01:20:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 03 01:16:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	114749	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	114877	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	52422	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	27932	4.46	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.20%
7) Chloroethane-d5	1.92	69	24839	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.20%
11) 1,1-Dichloroethene-d2	2.58	63	50479	3.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.80%
20) 2-Butanone-d5	4.65	46	132784	52.99	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.98%
24) Chloroform-d	5.08	84	67492	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
26) 1,2-Dichloroethane-d4	5.72	65	42641	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
32) Benzene-d6	5.74	84	124392	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
36) 1,2-Dichloropropane-d6	6.71	67	42615	4.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.40%
41) Toluene-d8	7.91	98	108008	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.20%
43) trans-1,3-Dichloropropene-	8.19	79	18469	4.55	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.00%
46) 2-Hexanone-d5	8.64	63	96805	50.32	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.64%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	37887	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	41946	4.94	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	2149	0.189	ug/L	98
3) Chloromethane	1.53	50	2467	0.226	ug/L	97
5) Vinyl chloride	1.61	62	2394	0.217	ug/L	86
6) Bromomethane	1.87	94	1314	0.233	ug/L	97
8) Chloroethane	1.94	64	1566	0.236	ug/L	91
9) Trichlorofluoromethane	2.15	101	3256	0.206	ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2440	0.238	ug/L #	84
12) 1,1-Dichloroethene	2.59	96	2001	0.225	ug/L #	1
13) Acetone	2.66	43	4765	2.054	ug/L	94
14) Carbon disulfide	2.81	76	5360	0.188	ug/L	98
15) Methyl Acetate	2.97	43	1114	0.191	ug/L #	67
16) Methylene chloride	3.06	84	3765	0.324	ug/L	86
17) Methyl tert-butyl Ether	3.38	73	4988	0.186	ug/L	95
18) trans-1,2-Dichloroethene	3.38	96	1797	0.188	ug/L	75
19) 1,1-Dichloroethane	3.90	63	3892	0.198	ug/L	90
21) 2-Butanone	4.74	43	7063	1.865	ug/L	94
22) cis-1,2-Dichloroethene	4.69	96	1829	0.178	ug/L	66

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 ALS Vial : 10 Sample Multiplier: 1

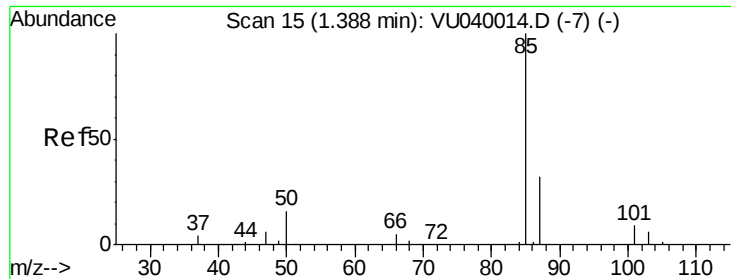
Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 03 01:20:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 03 01:16:12 2020
 Response via : Initial Calibration

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

23) Bromochloromethane	4.99	128	463	0.103	ug/L #	76
25) Chloroform	5.11	83	6317	0.314	ug/L	97
27) 1,2-Dichloroethane	5.81	62	2949	0.200	ug/L #	80
29) 1,1,1-Trichloroethane	5.33	97	3274	0.182	ug/L	95
30) Cyclohexane	5.41	56	3037	0.174	ug/L	95
31) Carbon tetrachloride	5.54	117	2858	0.185	ug/L	98
33) Benzene	5.79	78	8027	0.195	ug/L	100
34) Trichloroethene	6.55	95	1813	0.164	ug/L	91
35) Methylcyclohexane	6.77	83	2926	0.173	ug/L	94
37) 1,2-Dichloropropane	6.80	63	2571	0.231	ug/L #	88
38) Bromodichloromethane	7.12	83	2841	0.187	ug/L	99
39) cis-1,3-Dichloropropene	7.62	75	2830	0.172	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	15542	1.702	ug/L #	90
42) Toluene	7.97	91	8033	0.190	ug/L	96
44) trans-1,3-Dichloropropene	8.22	75	2826	0.186	ug/L #	30
45) 1,1,2-Trichloroethane	8.41	97	1389	0.171	ug/L	87
47) Tetrachloroethene	8.56	164	1347	0.186	ug/L	86
48) 2-Hexanone	8.69	43	15772	2.368	ug/L	93
49) Dibromochloromethane	8.82	129	1789	0.184	ug/L	98
50) 1,2-Dibromoethane	8.93	107	1562	0.200	ug/L #	83
51) Chlorobenzene	9.45	112	4911	0.187	ug/L	92
52) Ethylbenzene	9.57	91	8321	0.173	ug/L	99
53) m,p-Xylene	9.69	106	2799	0.163	ug/L	99
54) o-Xylene	10.10	106	2318	0.142	ug/L	95
55) Styrene	10.11	104	4355	0.153	ug/L	94
56) Isopropylbenzene	10.48	105	7136	0.160	ug/L	97
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	2010	0.193	ug/L #	95
59) 1,2,3-Trichloropropane	10.82	75	1611	0.195	ug/L	93
61) Bromoform	10.29	173	842	0.175	ug/L #	94
62) 1,3-Dichlorobenzene	11.74	146	3286	0.171	ug/L #	85
63) 1,4-Dichlorobenzene	11.83	146	3841	0.198	ug/L	94
65) 1,2-Dichlorobenzene	12.21	146	4122	0.222	ug/L	93
66) 1,2-Dibromo-3-chloropropan	12.99	75	272	0.137	ug/L #	73
67) 1,3,5-Trichlorobenzene	13.21	180	2633	0.195	ug/L	95
68) 1,2,4-trichlorobenzene	13.83	180	2019	0.174	ug/L	96
69) Naphthalene	14.08	128	3423	0.142	ug/L #	90
70) 1,2,3-Trichlorobenzene	14.32	180	1454	0.136	ug/L #	79

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



#2

Dichlorodifluoromethane

Concen: 0.189 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040021.D

Acq: 02 Sep 2020 12:59

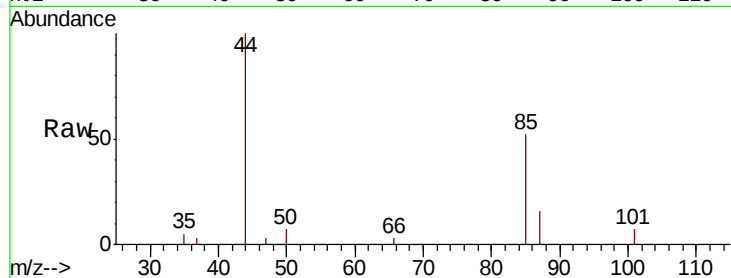
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 2149

Ion Ratio Lower Upper

85 100

87 31.0 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

2500

2000

1500

1000

500

0

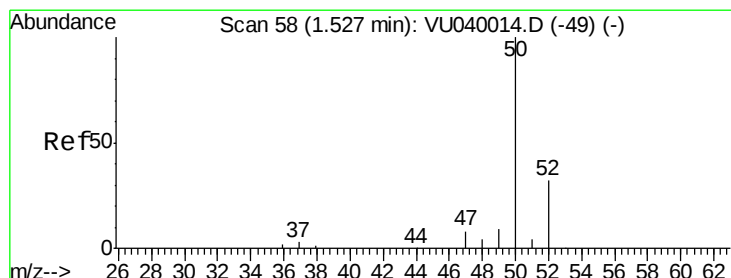
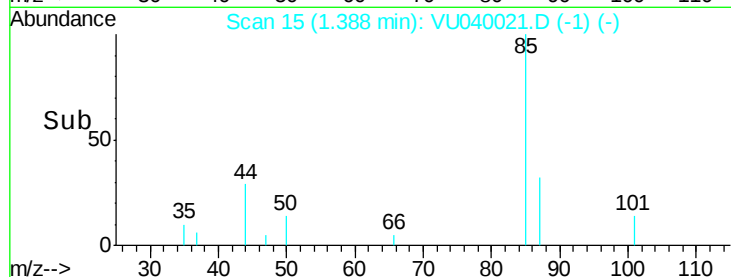
1.36

1.38

1.40

1.42

Time-->



#3

Chloromethane

Concen: 0.226 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040021.D

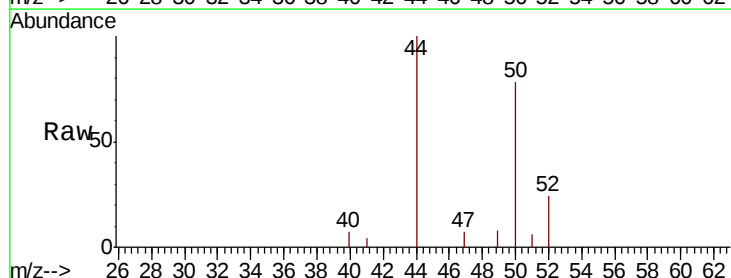
Acq: 02 Sep 2020 12:59

Tgt Ion: 50 Resp: 2467

Ion Ratio Lower Upper

50 100

52 31.1 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0

2500

2000

1500

1000

500

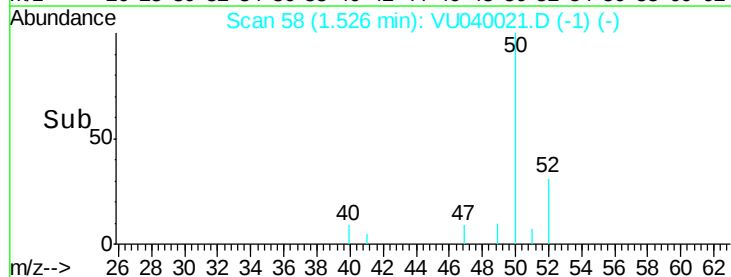
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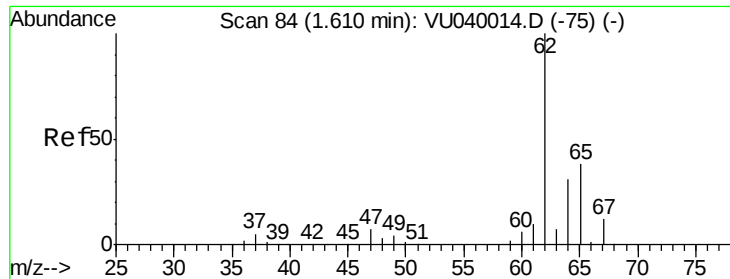
1.50

1.53

1.55

Time-->





#5

Vinyl chloride

Concen: 0.217 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040021.D

Acq: 02 Sep 2020 12:59

Instrument :

MSVOA_U

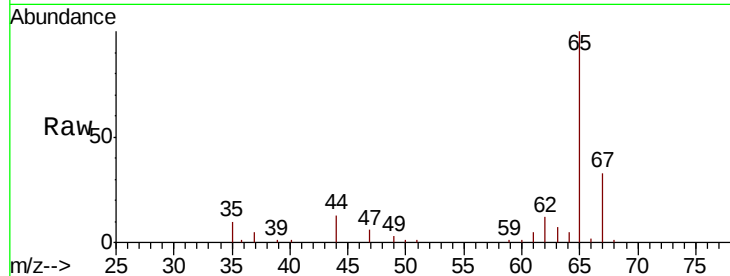
ClientSampled :

Tot Ion: 62 Resp: 2394

Ion Ratio Lower Upper

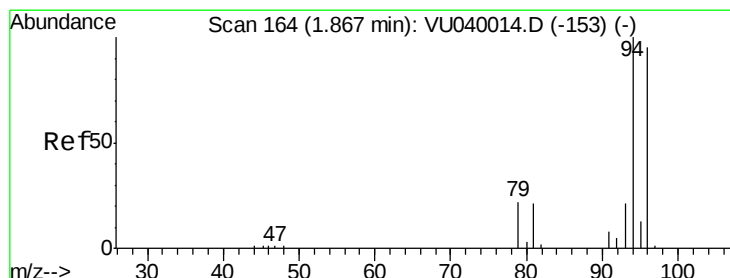
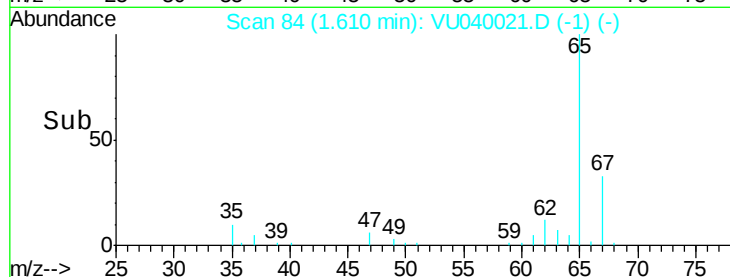
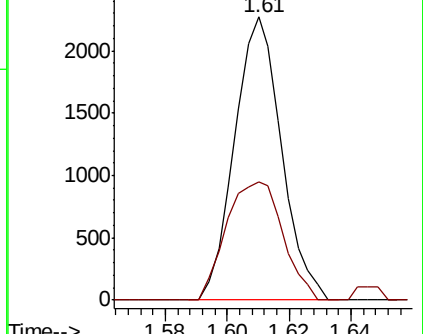
62 100

64 42.0 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 0.233 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU040021.D

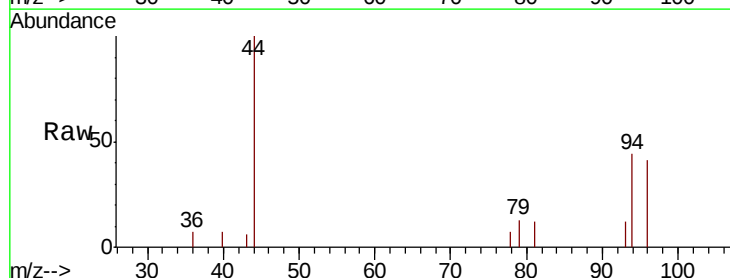
Acq: 02 Sep 2020 12:59

Tgt Ion: 94 Resp: 1314

Ion Ratio Lower Upper

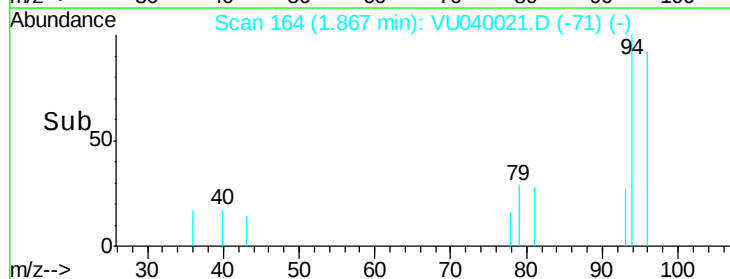
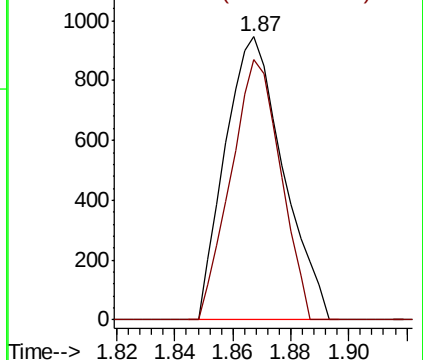
94 100

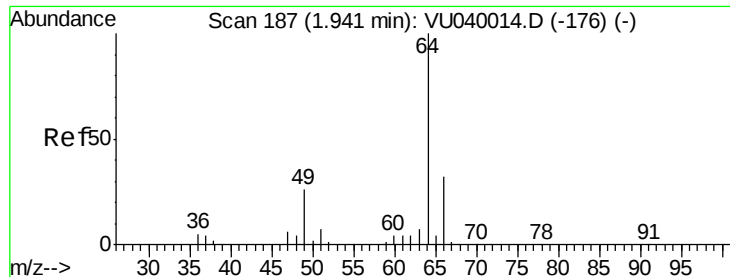
96 91.9 62.3 115.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

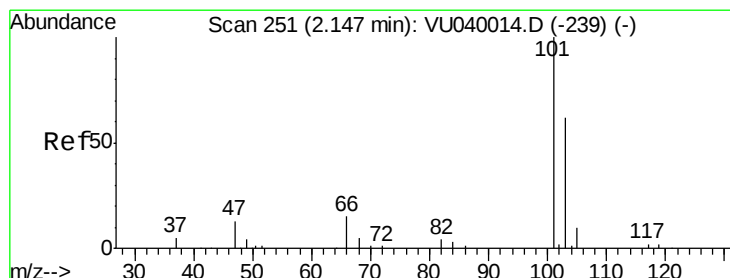
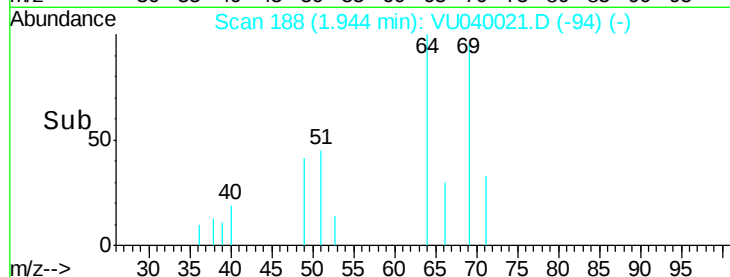
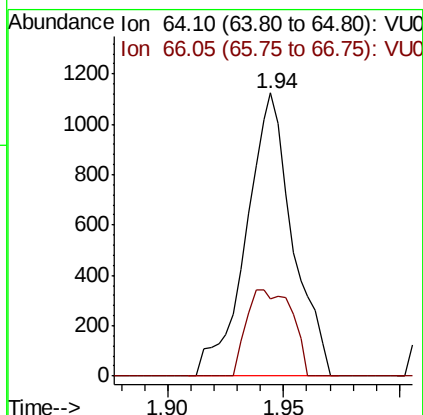
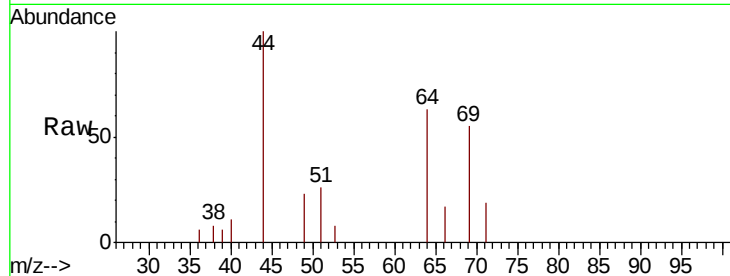




#8
Chloroethane
Concen: 0.236 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU040021.D
Acq: 02 Sep 2020 12:59

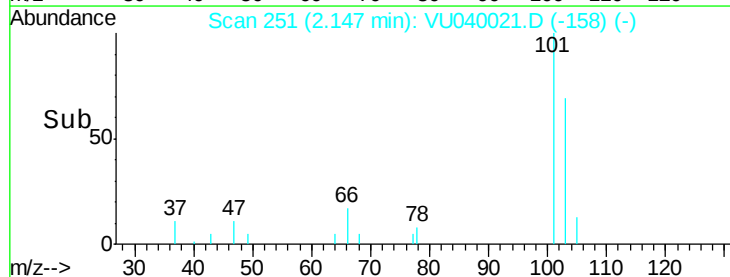
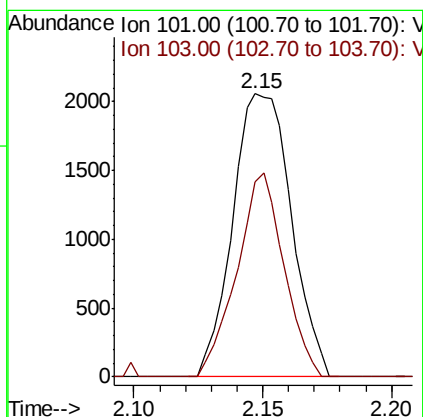
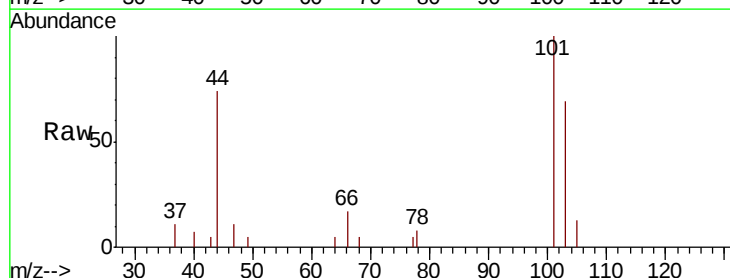
Instrument :
MSVOA_U
ClientSampleId :

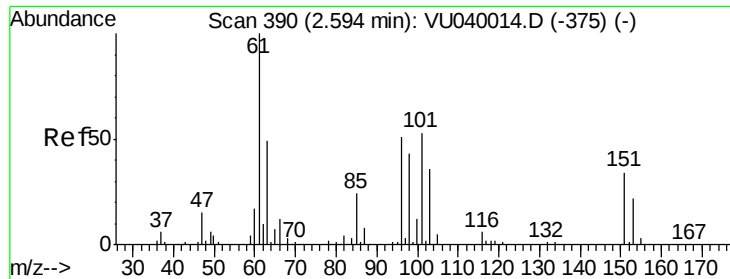
Tot Ion: 64 Resp: 1566
Ion Ratio Lower Upper
64 100
66 27.4 22.7 42.1



#9
Trichlorofluoromethane
Concen: 0.206 ug/L
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU040021.D
Acq: 02 Sep 2020 12:59

Tgt Ion:101 Resp: 3256
Ion Ratio Lower Upper
101 100
103 58.2 51.3 76.9





#10

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

Concen: 0.238 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040021.D

Acq: 02 Sep 2020 12:59

Instrument :

MSVOA_U

ClientSampleId :

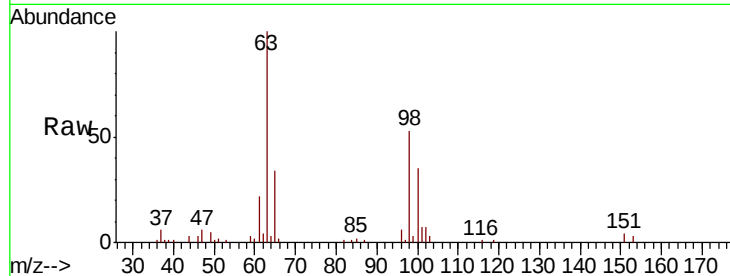
Tot Ion:101 Resp: 2440

Ion Ratio Lower Upper

101 100

85 29.3 37.7 56.5#

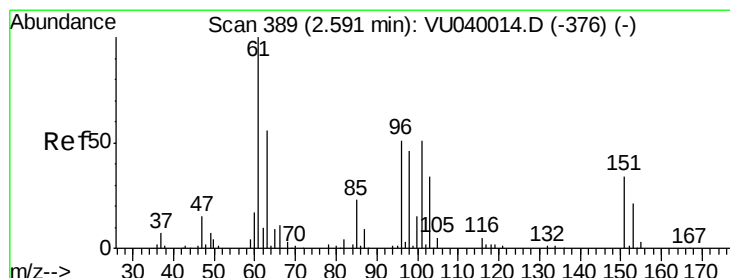
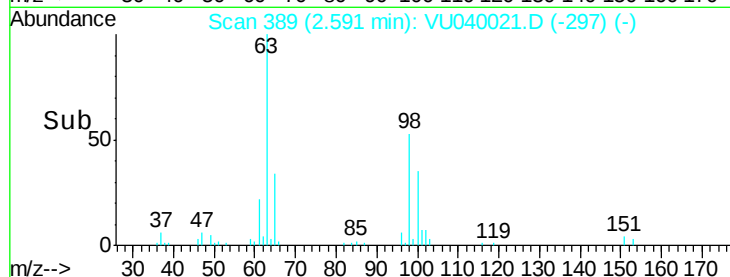
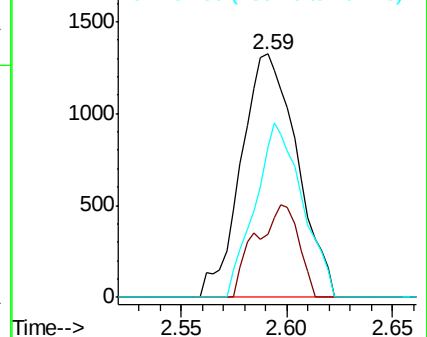
151 60.7 53.9 80.9



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: 0.225 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040021.D

Acq: 02 Sep 2020 12:59

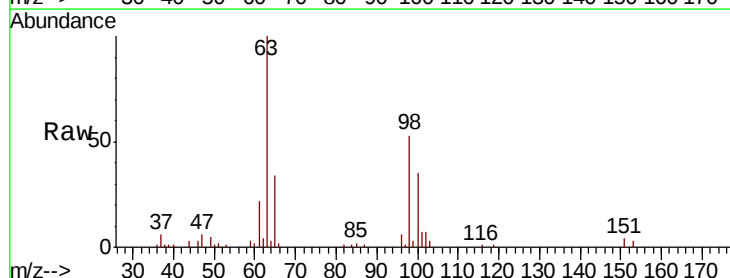
Tgt Ion: 96 Resp: 2001

Ion Ratio Lower Upper

96 100

61 362.9 138.3 256.8#

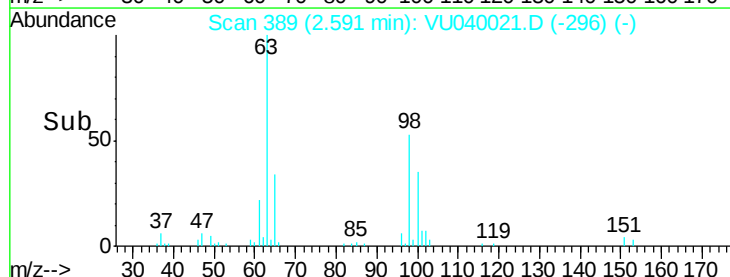
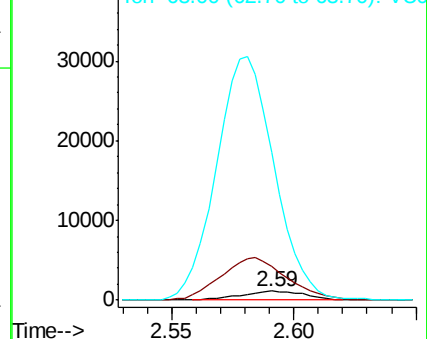
63 1623.1 77.6 144.2#

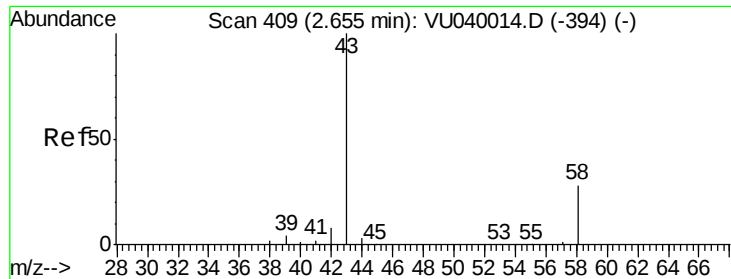


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.054 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU040021.D

Acq: 02 Sep 2020 12:59

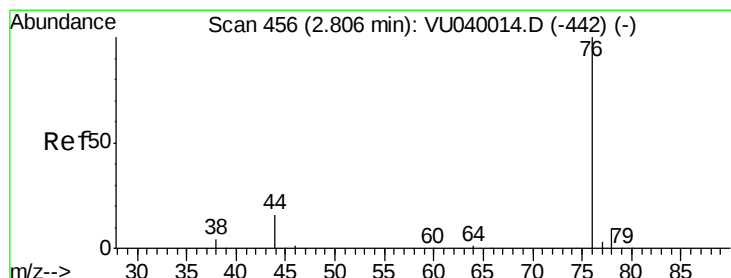
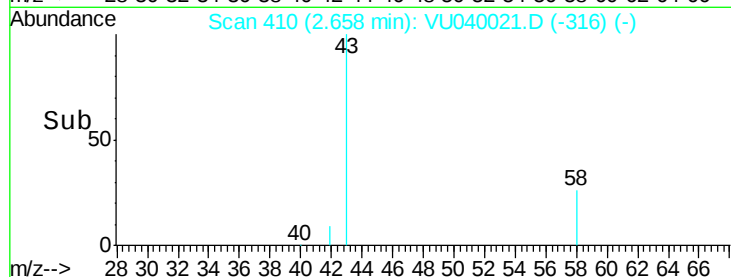
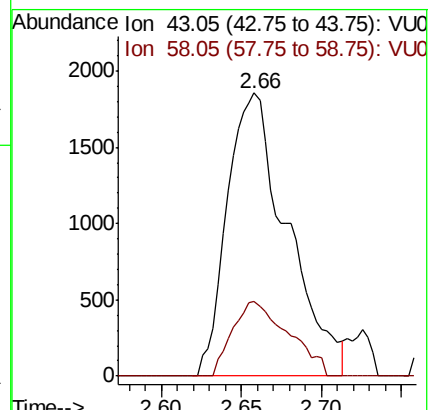
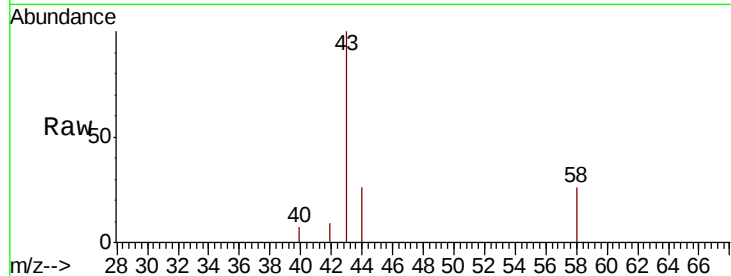
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 4765

Ion Ratio Lower Upper

43 100

58 24.7 0.0 55.4



#14

Carbon disulfide

Concen: 0.188 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040021.D

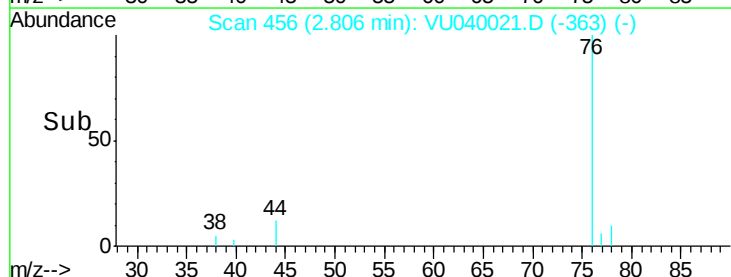
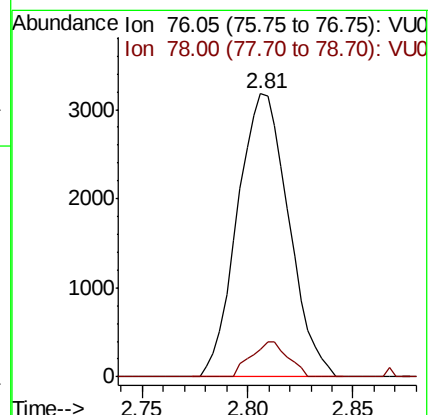
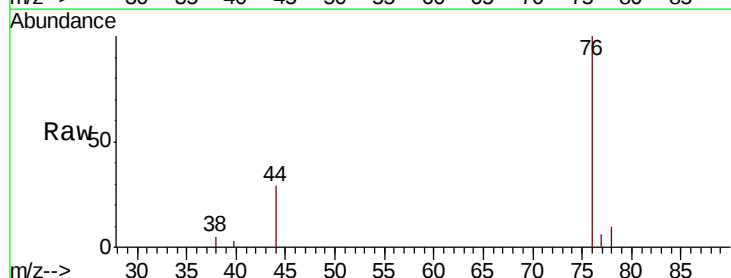
Acq: 02 Sep 2020 12:59

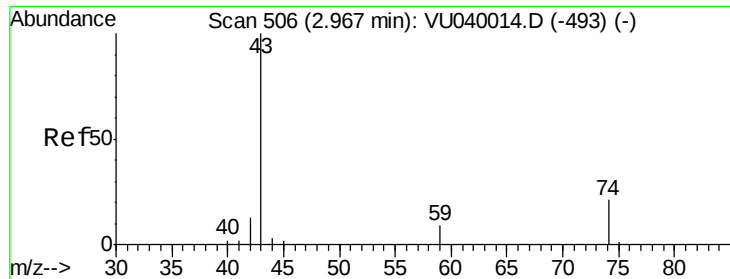
Tgt Ion: 76 Resp: 5360

Ion Ratio Lower Upper

76 100

78 9.8 7.2 10.8

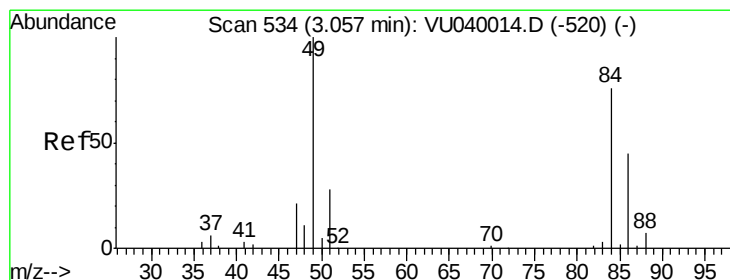
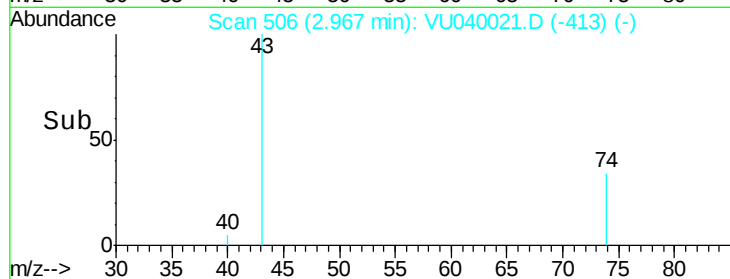
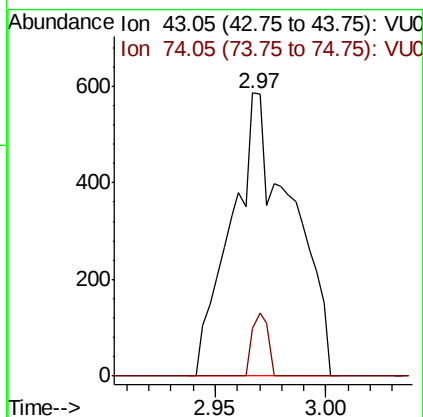
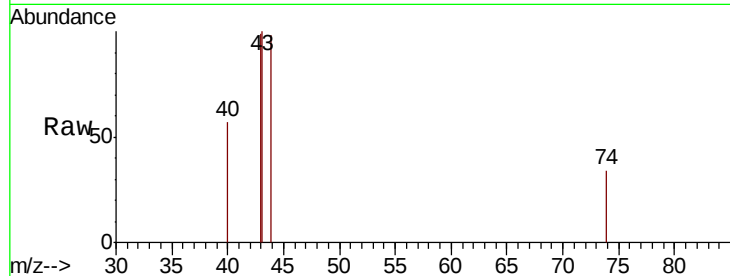




#15
Methvl Acetate
Concen: 0.191 ug/L
RT: 2.97 min Scan# 506
Delta R.T. -0.00 min
Lab File: VU040021.D
Acq: 02 Sep 2020 12:59

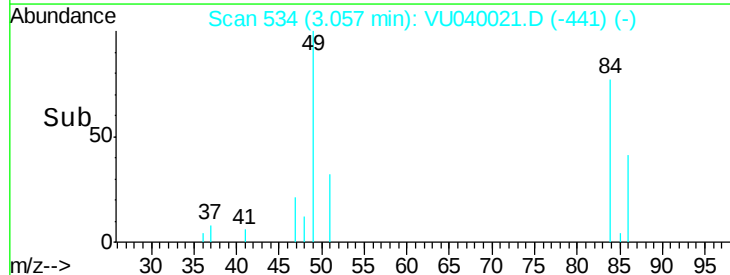
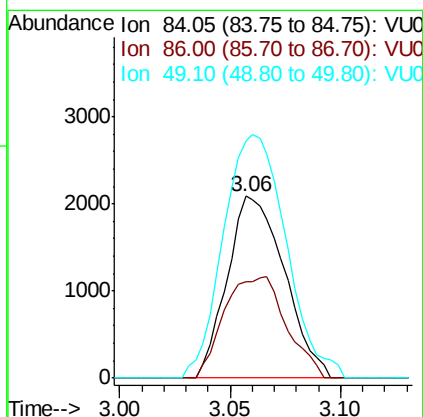
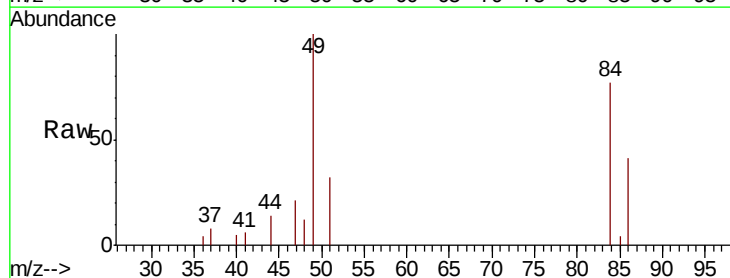
Instrument :
MSVOA_U
ClientSampleId :

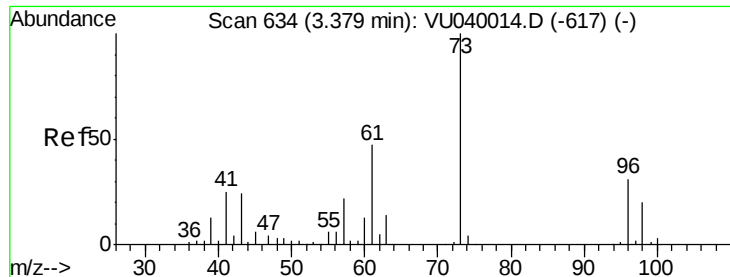
Tot Ion: 43 Resp: 1114
Ion Ratio Lower Upper
43 100
74 5.8 17.4 26.0#



#16
Methylene chloride
Concen: 0.324 ug/L
RT: 3.06 min Scan# 534
Delta R.T. -0.00 min
Lab File: VU040021.D
Acq: 02 Sep 2020 12:59

Tgt Ion: 84 Resp: 3765
Ion Ratio Lower Upper
84 100
86 53.4 45.2 84.0
49 130.6 104.0 193.2

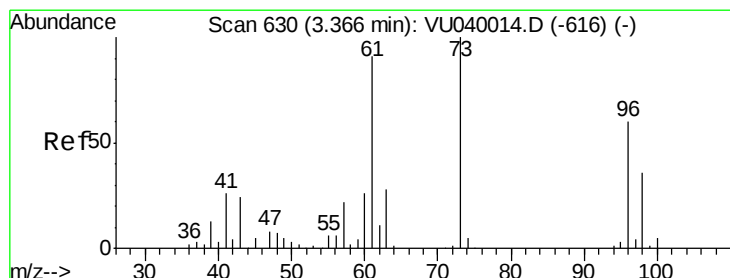
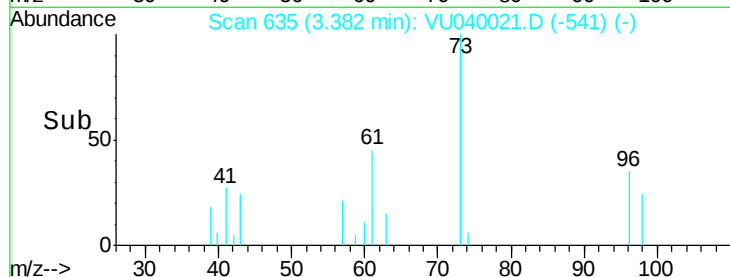
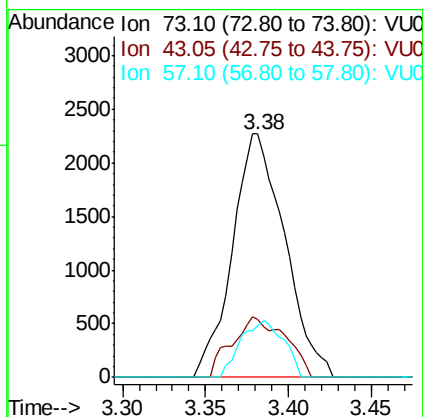
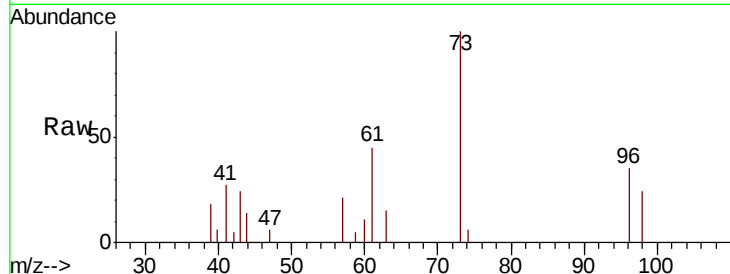




#17
Methvl tert-butvl Ether
Concen: 0.186 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU040021.D
Acq: 02 Sep 2020 12:59

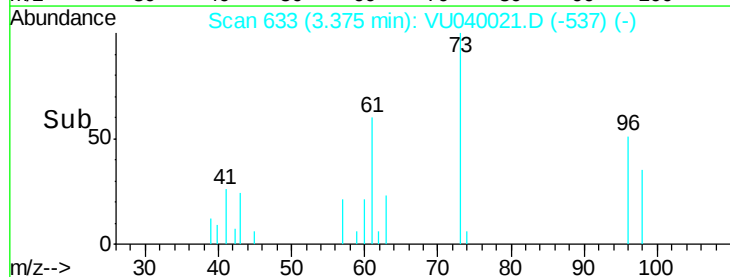
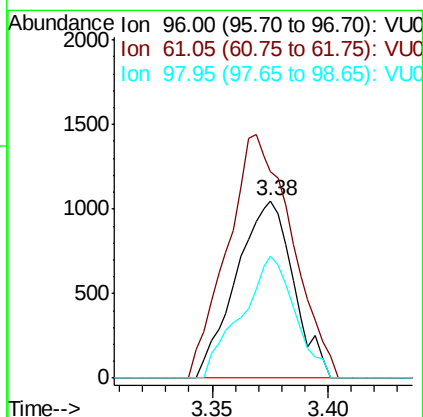
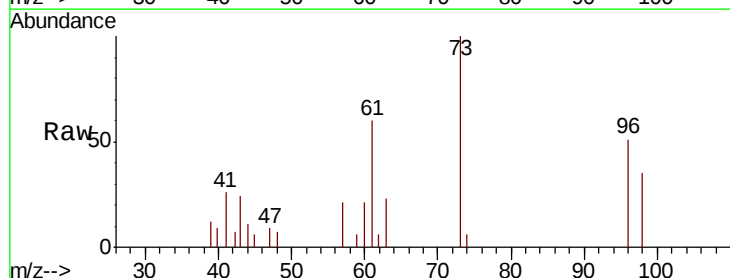
Instrument :
MSVOA_U
ClientSampleId :

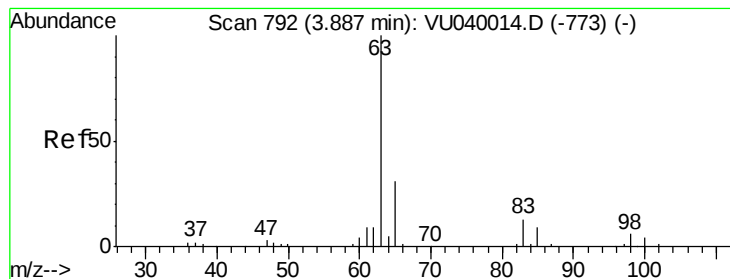
Tot Ion: 73 Resp: 4988
Ion Ratio Lower Upper
73 100
43 25.3 19.1 28.7
57 19.0 18.3 27.5



#18
trans-1,2-Dichloroethene
Concen: 0.188 ug/L
RT: 3.38 min Scan# 633
Delta R.T. 0.01 min
Lab File: VU040021.D
Acq: 02 Sep 2020 12:59

Tgt Ion: 96 Resp: 1797
Ion Ratio Lower Upper
96 100
61 116.8 110.5 205.3
98 68.5 43.2 80.2





#19

1,1-Dichloroethane

Concen: 0.198 ug/L

RT: 3.90 min Scan# 795

Delta R.T. 0.01 min

Lab File: VU040021.D

Acq: 02 Sep 2020 12:59

Instrument :
MSVOA_U
ClientSampleId :

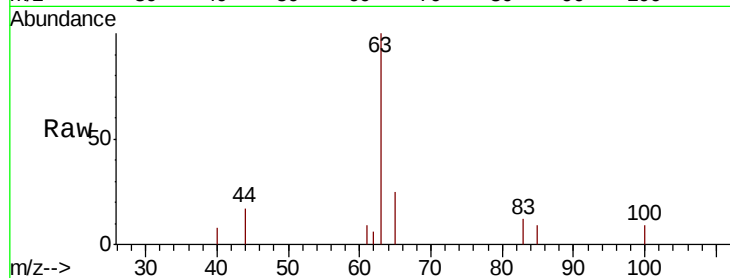
Tot Ion: 63 Resp: 3892

Ion Ratio Lower Upper

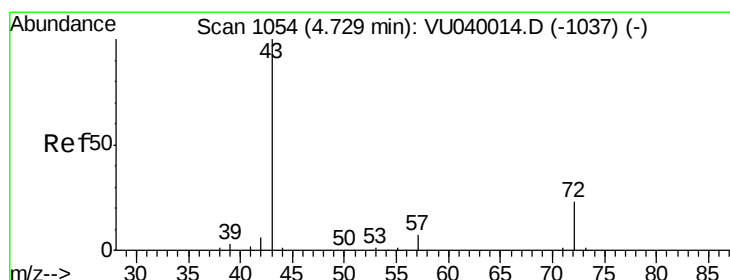
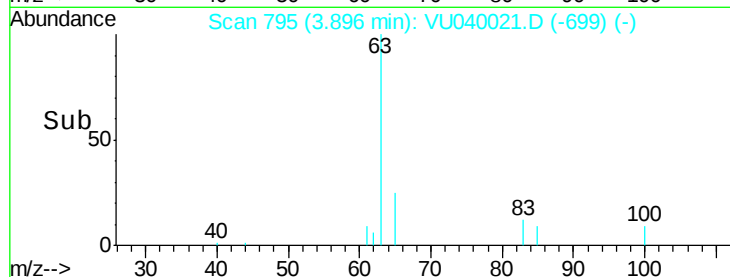
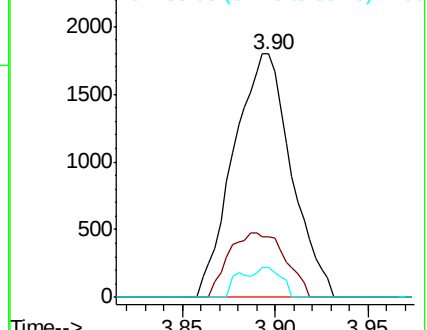
63 100

65 25.0 22.2 41.2

83 12.1 9.4 17.6



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: 1.865 ug/L

RT: 4.74 min Scan# 1056

Delta R.T. 0.01 min

Lab File: VU040021.D

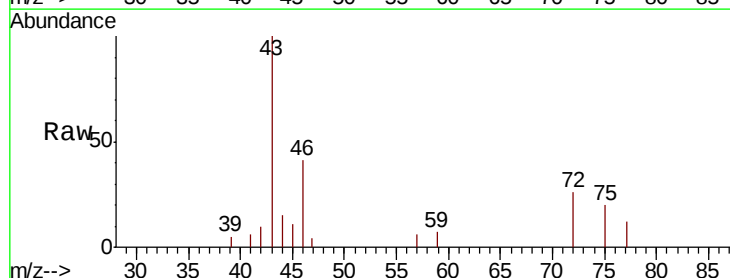
Acq: 02 Sep 2020 12:59

Tgt Ion: 43 Resp: 7063

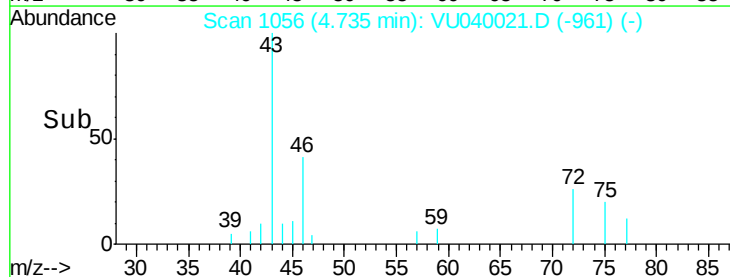
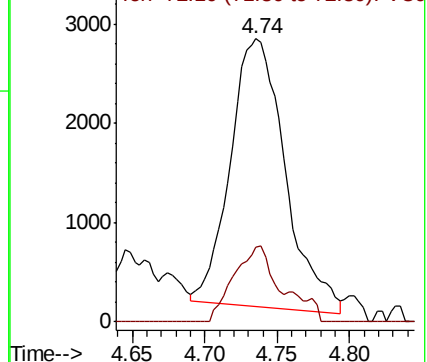
Ion Ratio Lower Upper

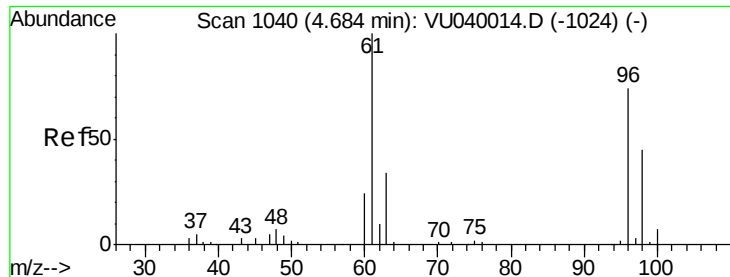
43 100

72 20.1 11.7 35.0



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: 0.178 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040021.D

Acq: 02 Sep 2020 12:59

Instrument :
MSVOA_U
ClientSampleId :

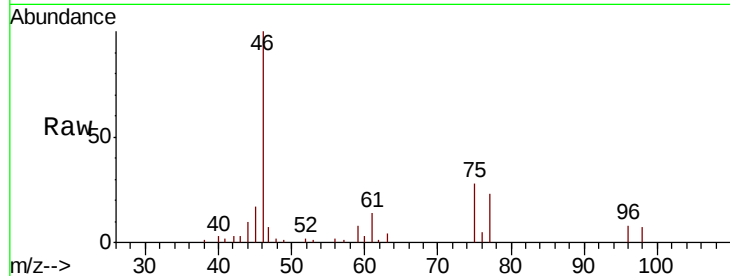
Tot Ion: 96 Resp: 1829

Ion Ratio Lower Upper

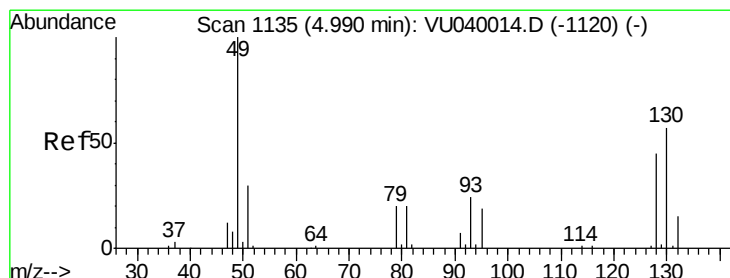
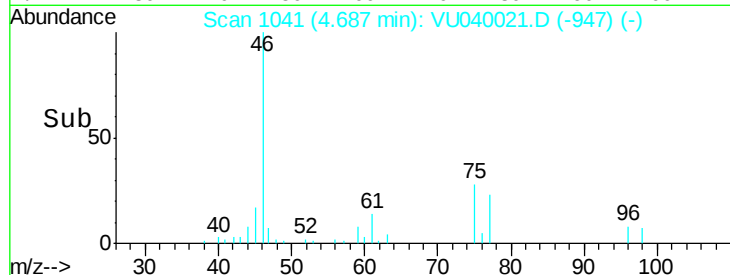
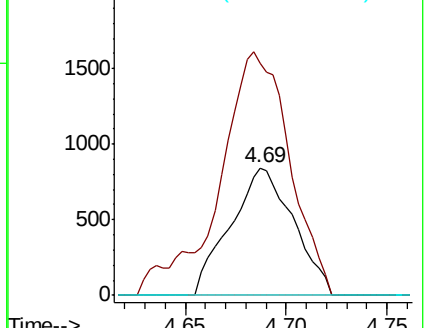
96 100

61 182.3 98.8 183.4

68 0.0 0.0 0.0



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



#23

Bromochloromethane

Concen: 0.103 ug/L

RT: 4.99 min Scan# 1134

Delta R.T. -0.00 min

Lab File: VU040021.D

Acq: 02 Sep 2020 12:59

Tgt Ion: 128 Resp: 463

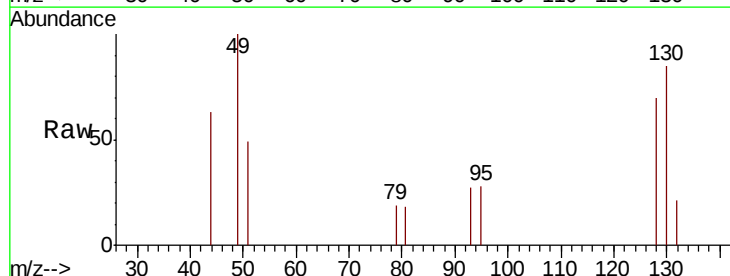
Ion Ratio Lower Upper

128 100

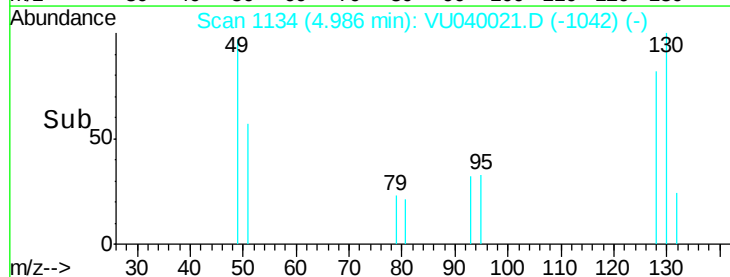
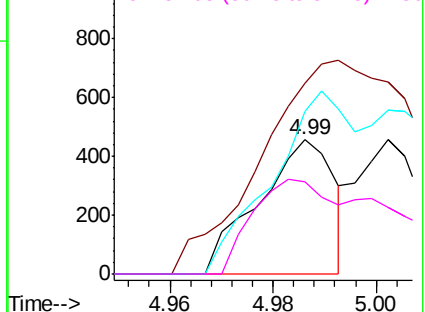
49 142.1 143.4 266.4#

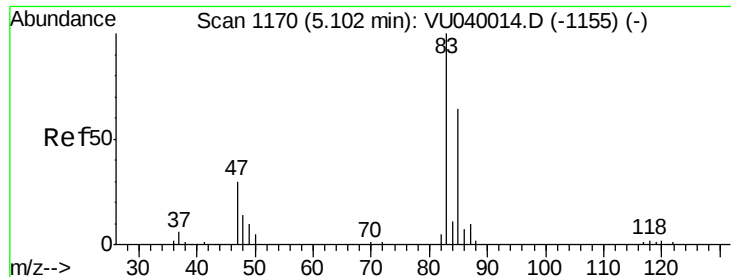
130 121.5 89.5 166.3

51 69.1 51.0 76.4



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

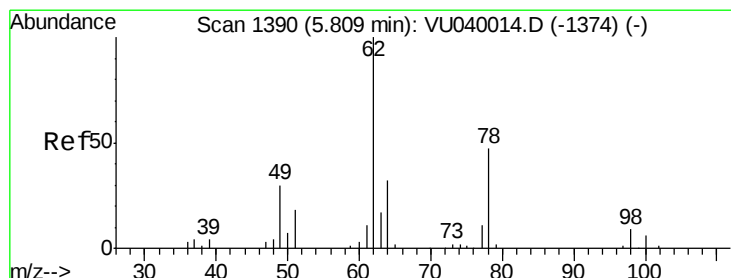
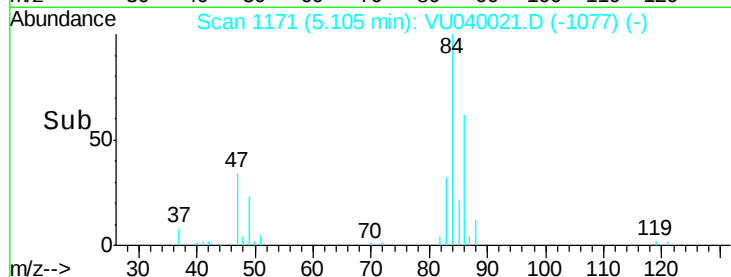
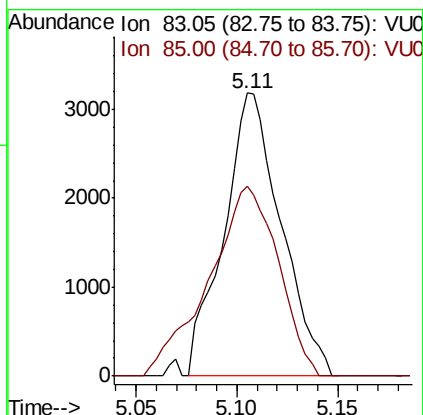
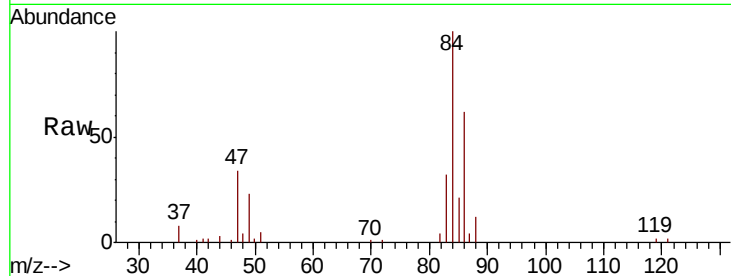




#25
Chloroform
Concen: 0.314 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040021.D
Acq: 02 Sep 2020 12:59

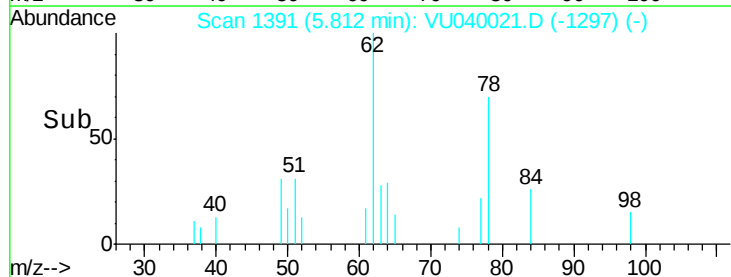
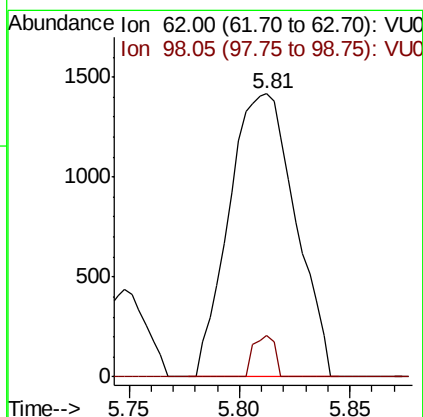
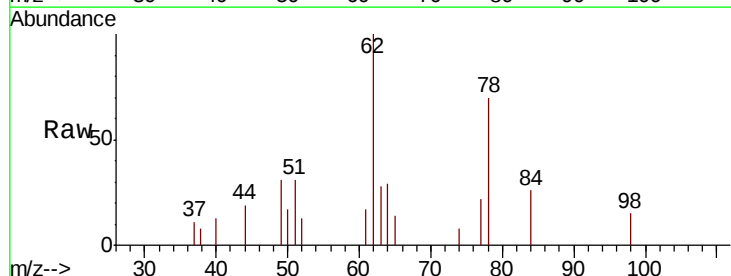
Instrument :
MSVOA_U
ClientSampled :

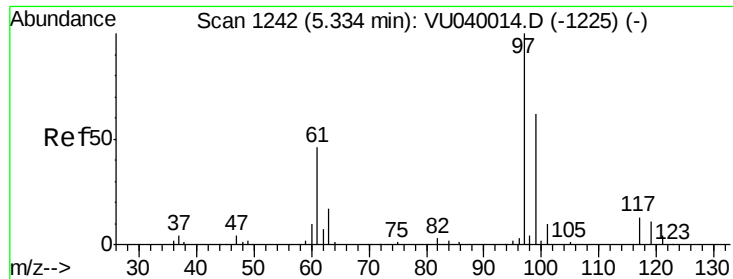
Tot Ion: 83 Resp: 6317
Ion Ratio Lower Upper
83 100
85 67.1 45.3 84.1



#27
1,2-Dichloroethane
Concen: 0.200 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU040021.D
Acq: 02 Sep 2020 12:59

Tgt Ion: 62 Resp: 2949
Ion Ratio Lower Upper
62 100
98 14.7 6.1 9.1#

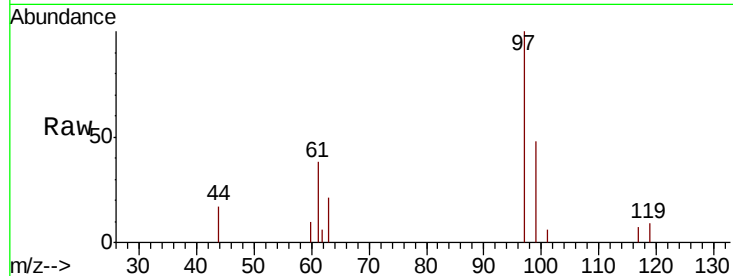




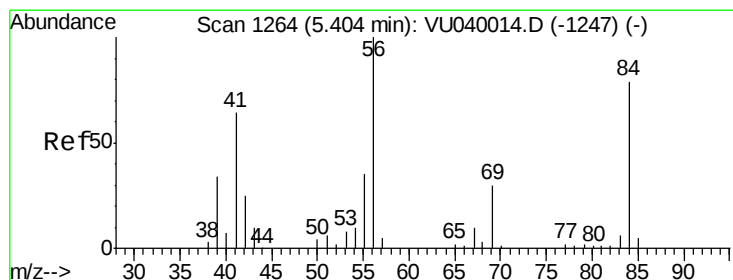
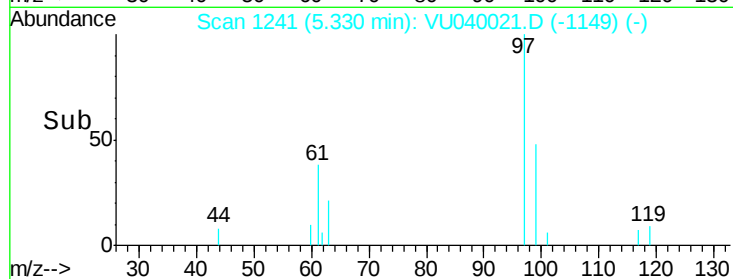
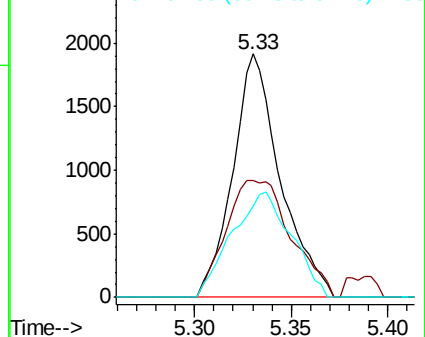
#29
 1,1,1-Trichloroethane
 Concen: 0.182 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VU040021.D
 Acq: 02 Sep 2020 12:59

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 97 Resp: 3274
 Ion Ratio Lower Upper
 97 100
 99 65.8 50.9 76.3
 61 54.3 39.5 59.3

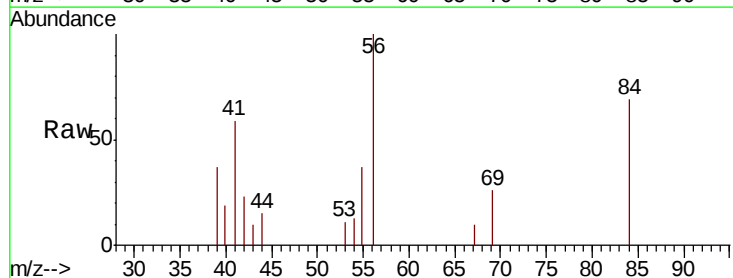


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

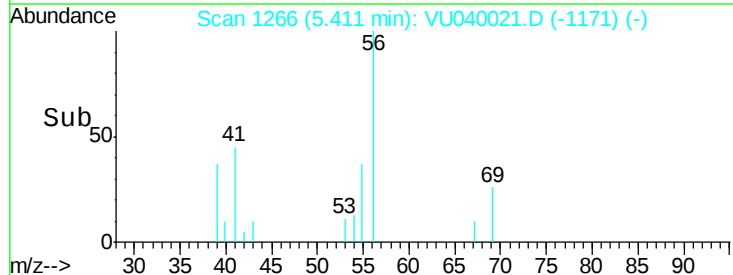
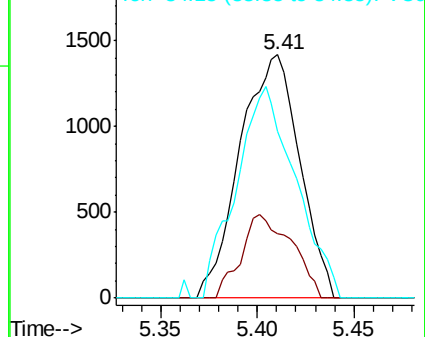


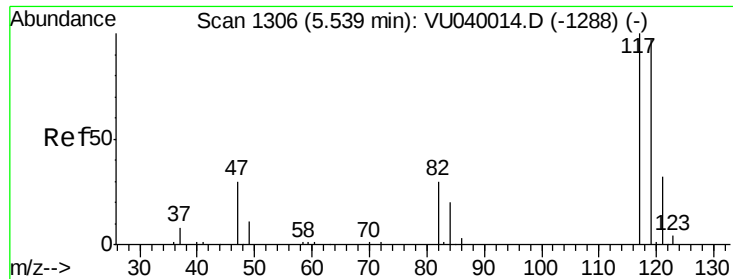
#30
 Cyclohexane
 Concen: 0.174 ug/L
 RT: 5.41 min Scan# 1266
 Delta R.T. 0.01 min
 Lab File: VU040021.D
 Acq: 02 Sep 2020 12:59

Tgt Ion: 56 Resp: 3037
 Ion Ratio Lower Upper
 56 100
 69 29.3 24.1 36.1
 84 86.5 65.0 97.4



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

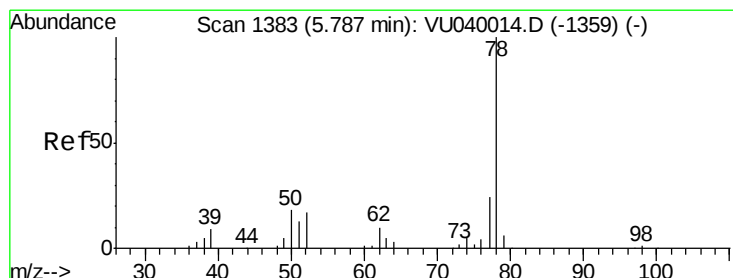
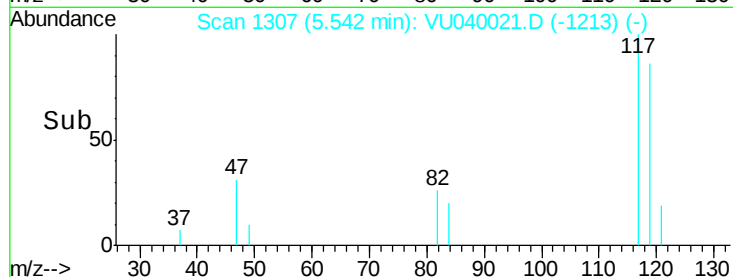
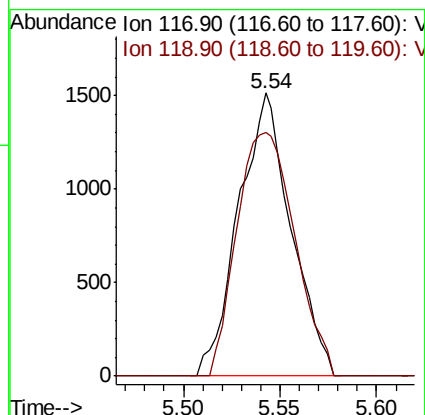
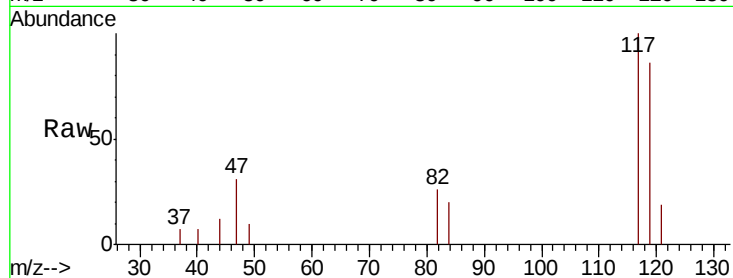




#31
Carbon tetrachloride
Concen: 0.185 ug/L
RT: 5.54 min Scan# 1307
Delta R.T. 0.00 min
Lab File: VU040021.D
Acq: 02 Sep 2020 12:59

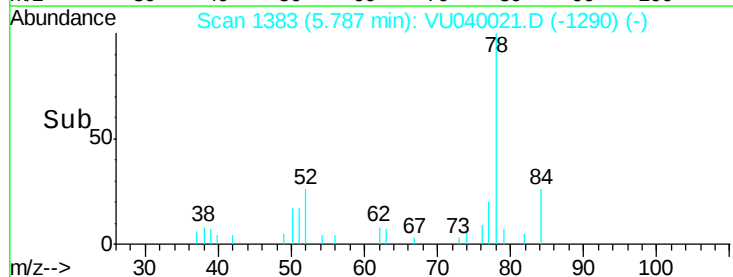
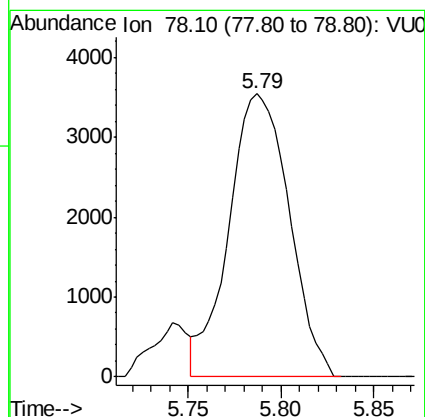
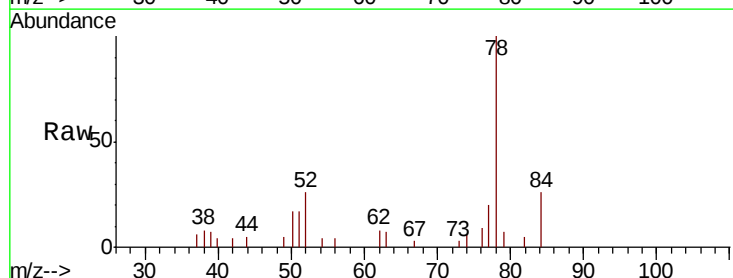
Instrument :
MSVOA_U
ClientSampleId :

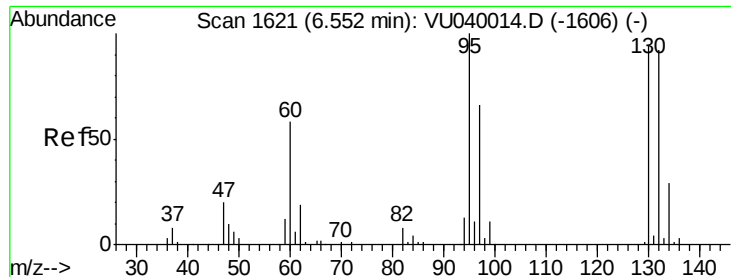
Tot Ion:117 Resp: 2858
Ion Ratio Lower Upper
117 100
119 94.9 77.7 116.5



#33
Benzene
Concen: 0.195 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VU040021.D
Acq: 02 Sep 2020 12:59

Tgt Ion: 78 Resp: 8027

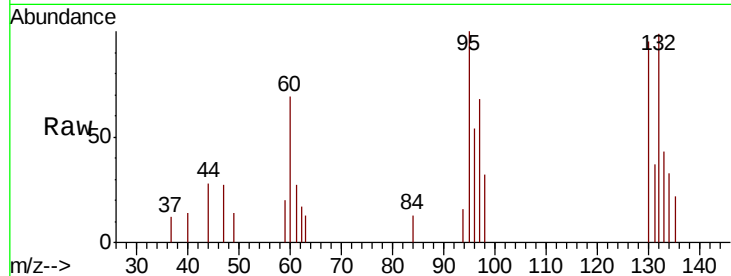




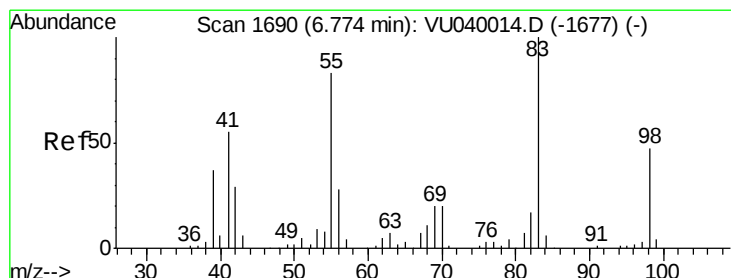
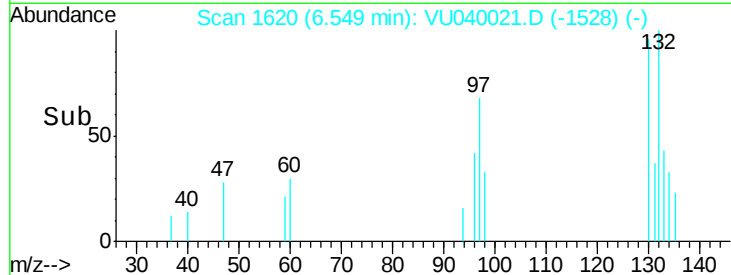
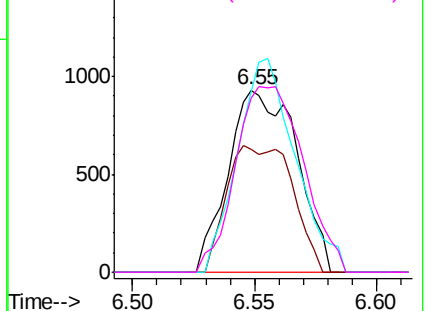
#34
 Trichloroethene
 Concen: 0.164 ug/L
 RT: 6.55 min Scan# 1620
 Delta R.T. -0.00 min
 Lab File: VU040021.D
 Acq: 02 Sep 2020 12:59

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 1813
 Ion Ratio Lower Upper
 95 100
 97 67.8 43.3 80.5
 132 99.1 59.4 110.4
 130 95.5 64.8 120.4

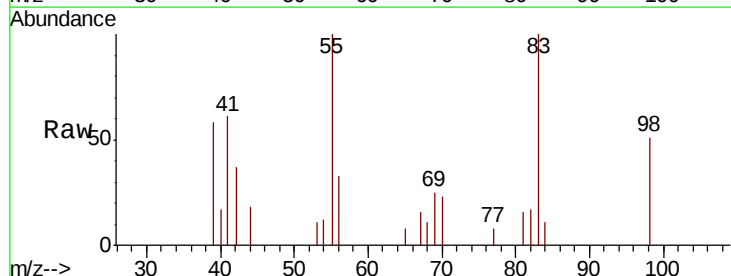


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

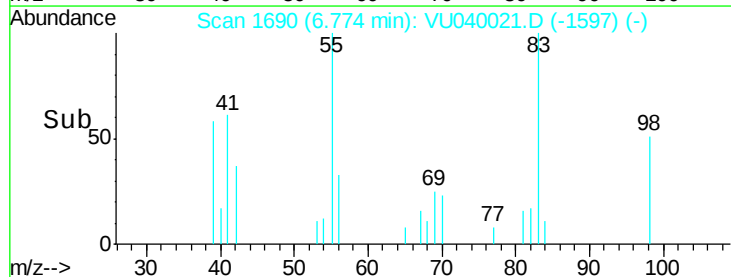
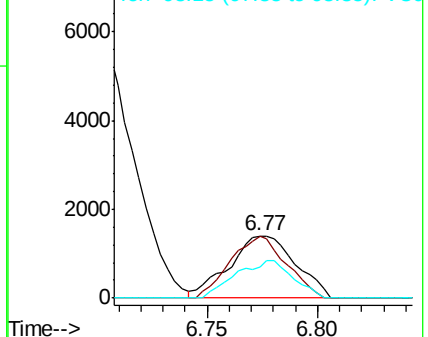


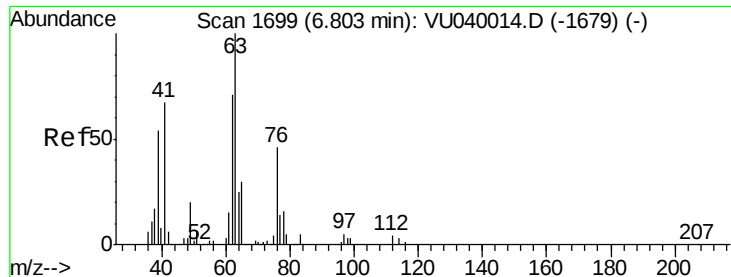
#35
 Methylcyclohexane
 Concen: 0.173 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: VU040021.D
 Acq: 02 Sep 2020 12:59

Tgt Ion: 83 Resp: 2926
 Ion Ratio Lower Upper
 83 100
 55 83.6 70.5 105.7
 98 51.7 37.8 56.6



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: 0.231 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VU040021.D

Acq: 02 Sep 2020 12:59

Instrument :

MSVOA_U

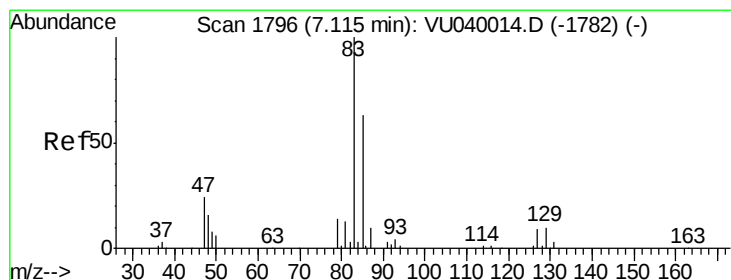
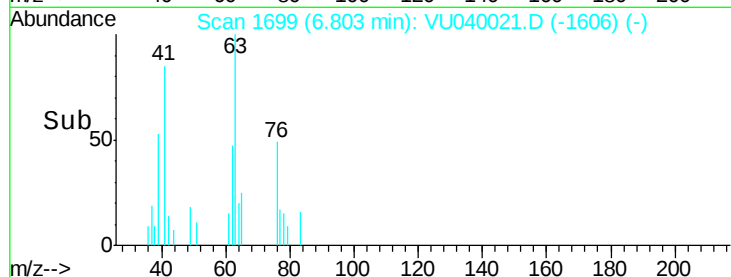
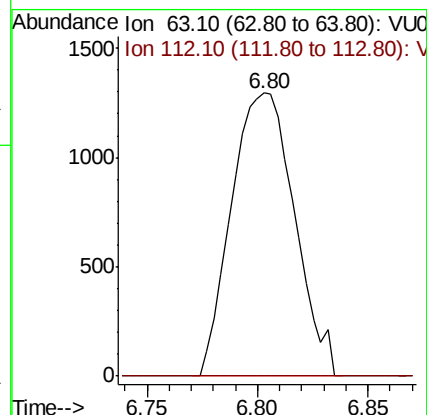
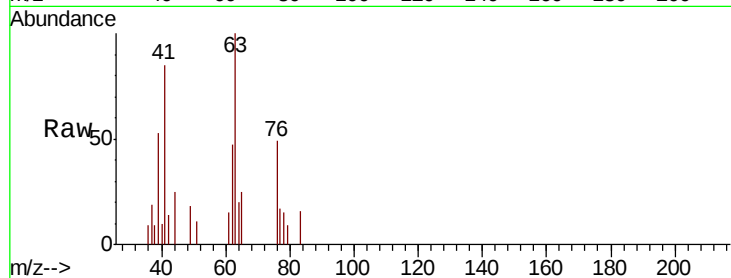
ClientSampled :

Tot Ion: 63 Resp: 2571

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#38

Bromodichloromethane

Concen: 0.187 ug/L

RT: 7.12 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VU040021.D

Acq: 02 Sep 2020 12:59

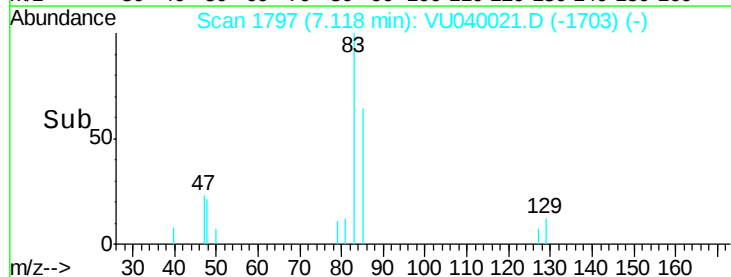
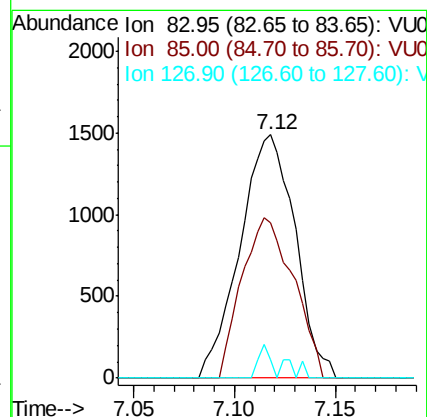
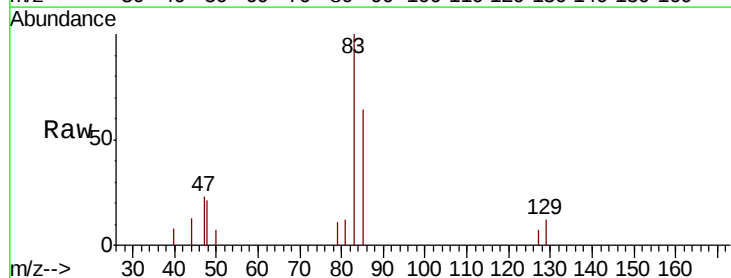
Tgt Ion: 83 Resp: 2841

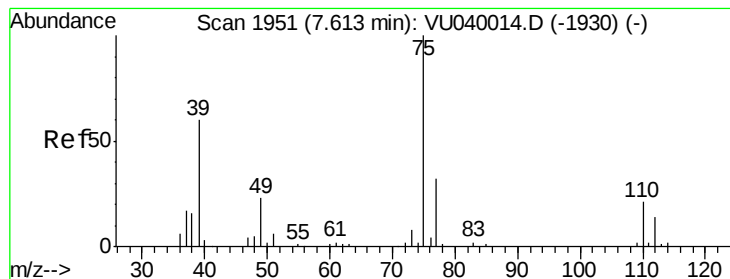
Ion Ratio Lower Upper

83 100

85 64.0 45.1 83.9

127 7.3 6.7 10.1



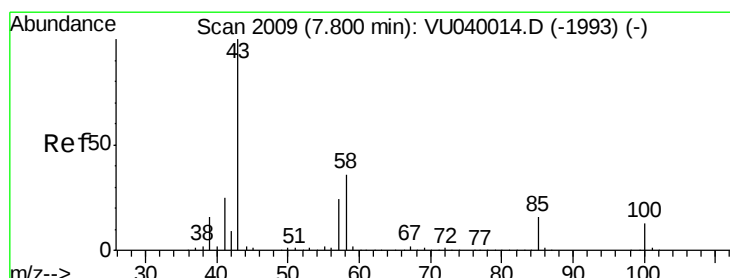
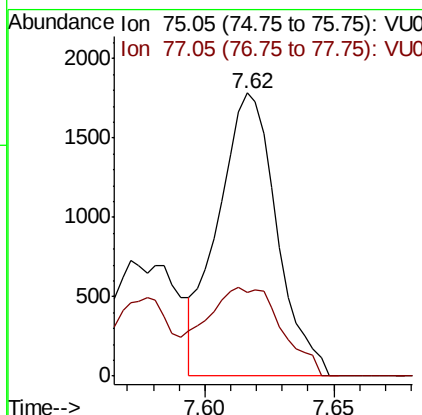
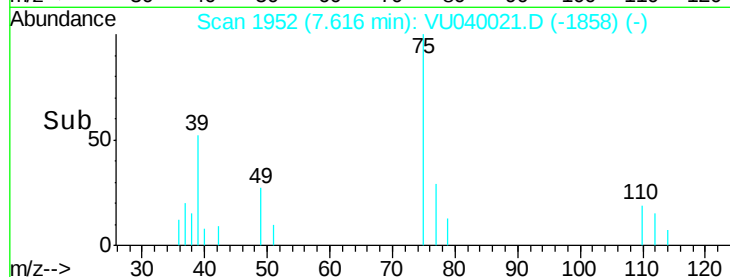
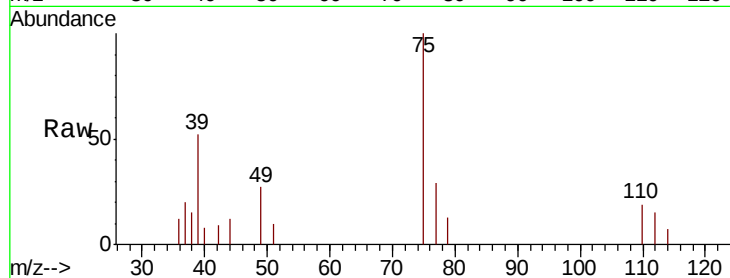


#39

cis-1,3-Dichloropropene
 Concen: 0.172 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU040021.D
 Acq: 02 Sep 2020 12:59

Instrument :
 MSVOA_U
 ClientSampled :

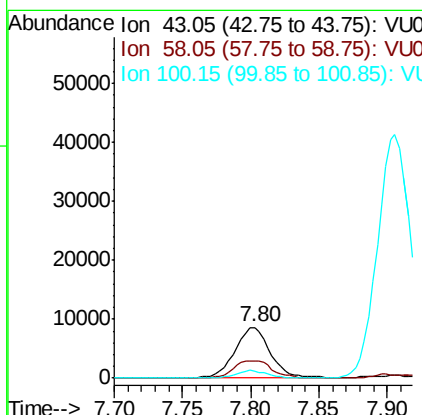
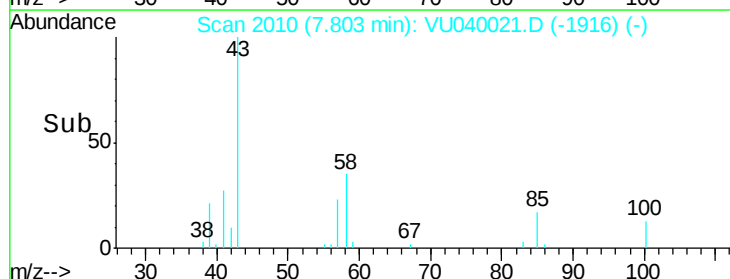
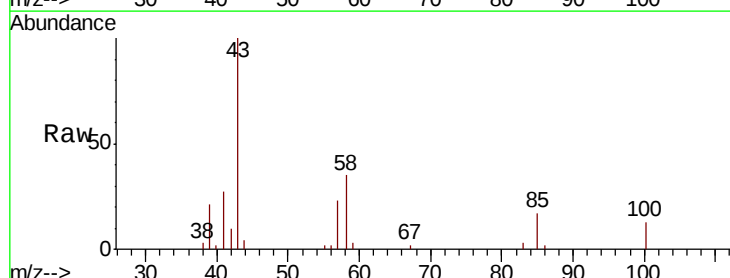
Tot Ion: 75 Resp: 2830
 Ion Ratio Lower Upper
 75 100
 77 29.4 21.1 39.3

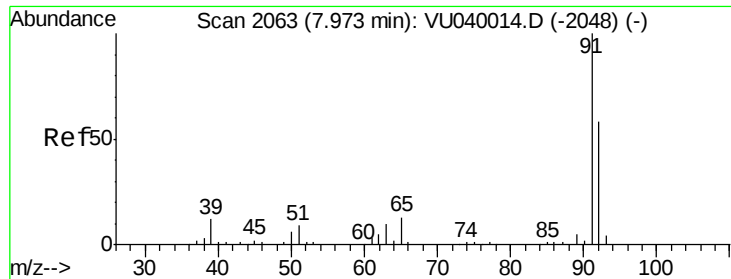


#40

4-Methyl-2-pentanone
 Concen: 1.702 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU040021.D
 Acq: 02 Sep 2020 12:59

Tgt Ion: 43 Resp: 15542
 Ion Ratio Lower Upper
 43 100
 58 37.5 28.7 43.1
 100 0.0 10.2 15.2#





#42

Toluene

Concen: 0.190 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU040021.D

Acq: 02 Sep 2020 12:59

Instrument :

MSVOA_U

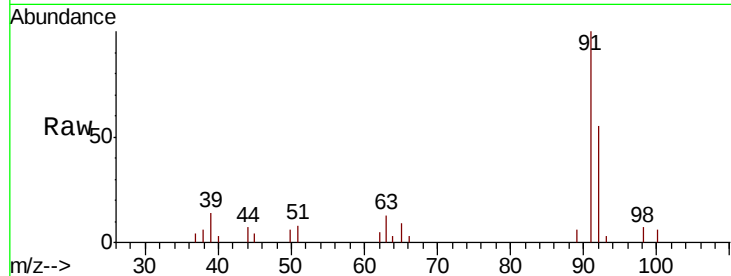
ClientSampleId :

Tot Ion: 91 Resp: 8033

Ion Ratio Lower Upper

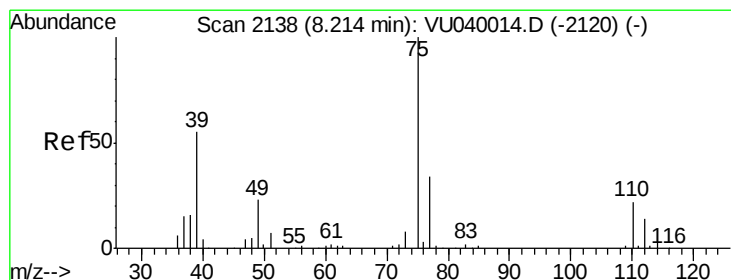
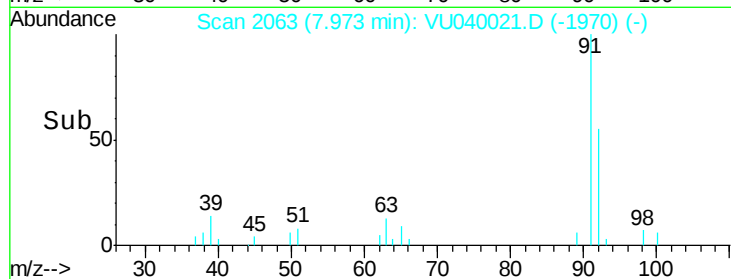
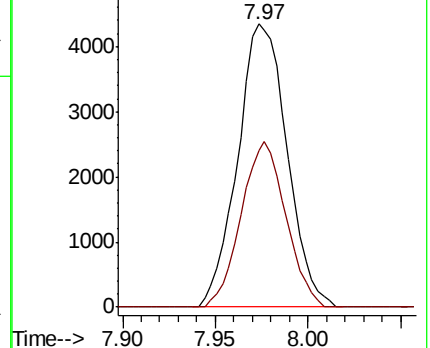
91 100

92 55.4 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VU040021.D (-1970) (-)

Ion 92.15 (91.85 to 92.85): VU040021.D (-1970) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.186 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU040021.D

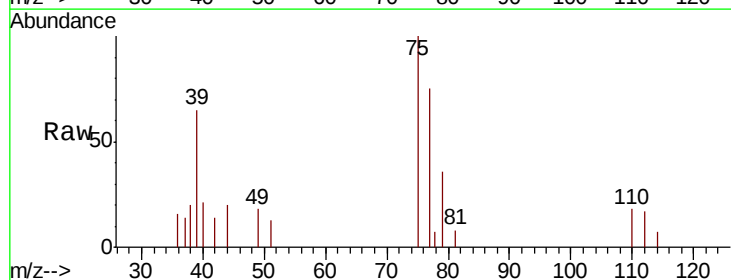
Acq: 02 Sep 2020 12:59

Tgt Ion: 75 Resp: 2826

Ion Ratio Lower Upper

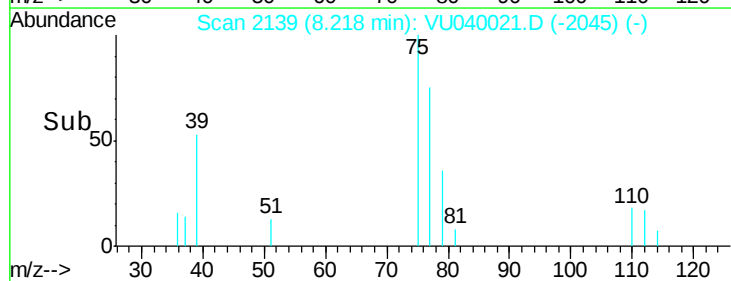
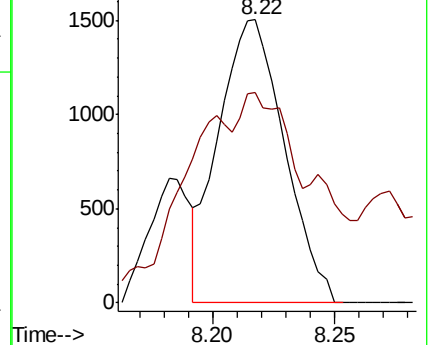
75 100

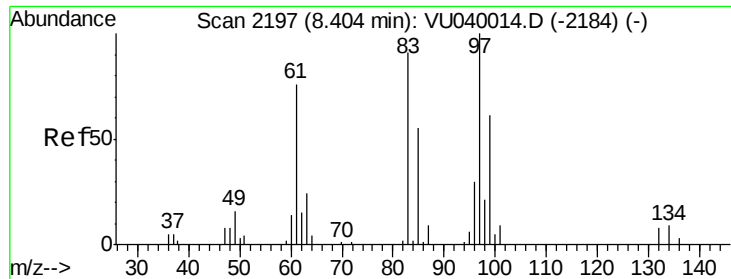
77 74.5 23.9 44.3#



Abundance Ion 75.05 (74.75 to 75.75): VU040021.D (-2045) (-)

Ion 77.05 (76.75 to 77.75): VU040021.D (-2045) (-)

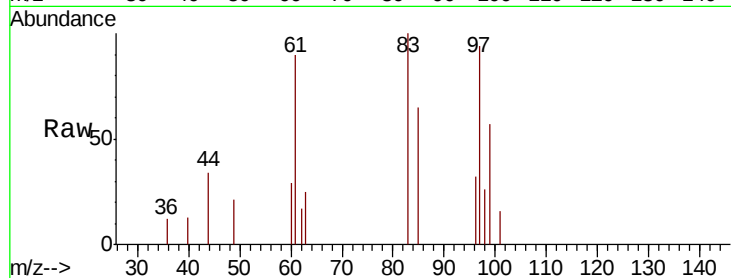




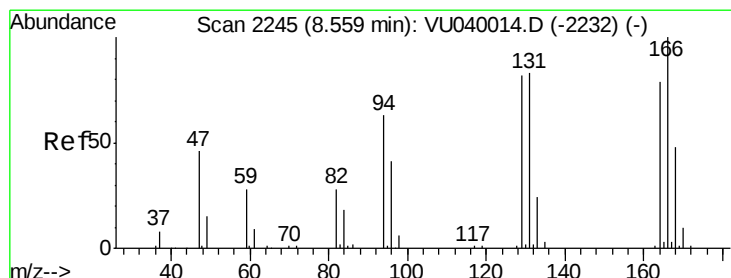
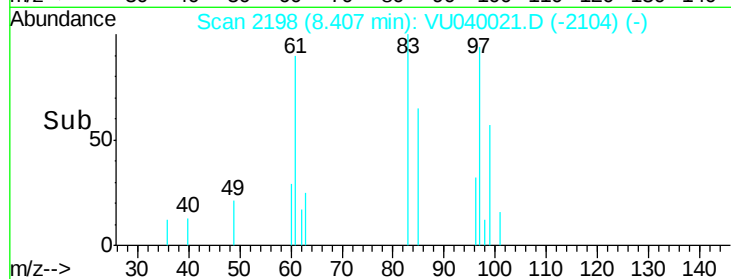
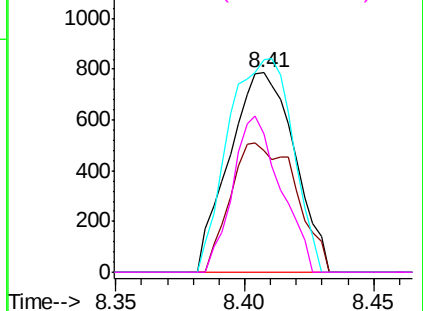
#45
1,1,2-Trichloroethane
Concen: 0.171 ug/L
RT: 8.41 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VU040021.D
Acq: 02 Sep 2020 12:59

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 97 Resp: 1389
Ion Ratio Lower Upper
97 100
99 60.7 43.0 79.8
83 106.2 61.7 114.7
85 69.3 39.3 73.1

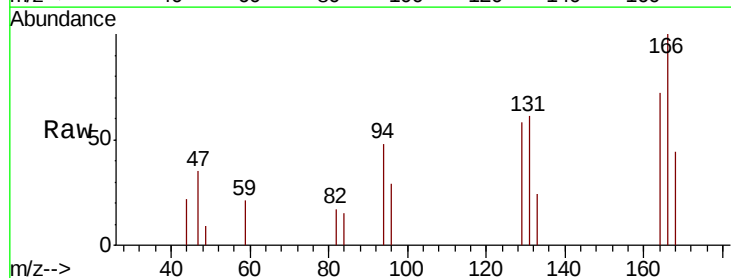


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0

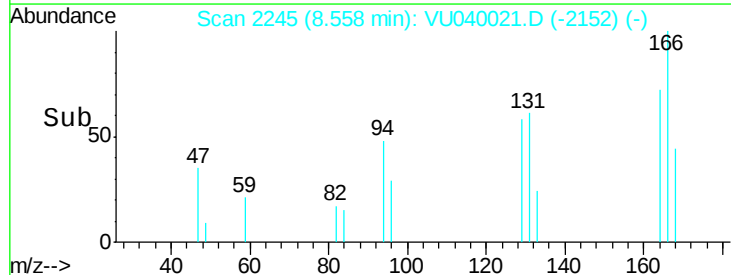
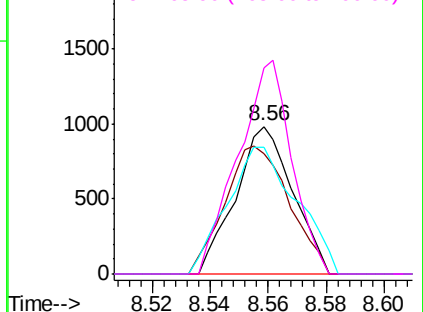


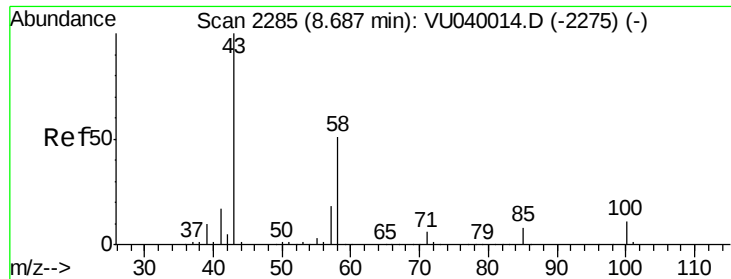
#47
Tetrachloroethene
Concen: 0.186 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VU040021.D
Acq: 02 Sep 2020 12:59

Tgt Ion: 164 Resp: 1347
Ion Ratio Lower Upper
164 100
129 81.0 71.5 132.7
131 85.5 65.9 122.5
166 139.8 87.3 162.1



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

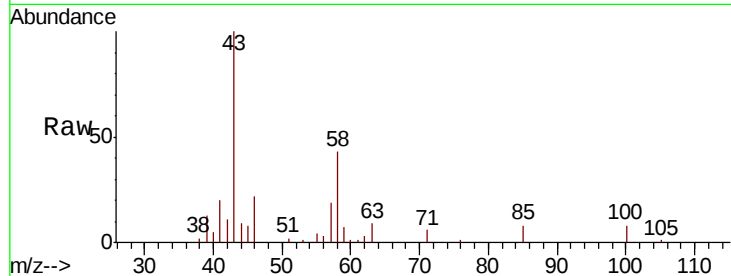




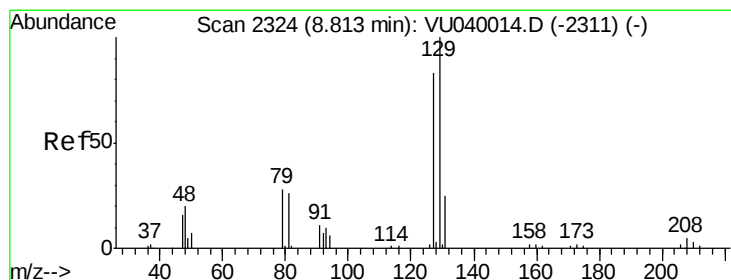
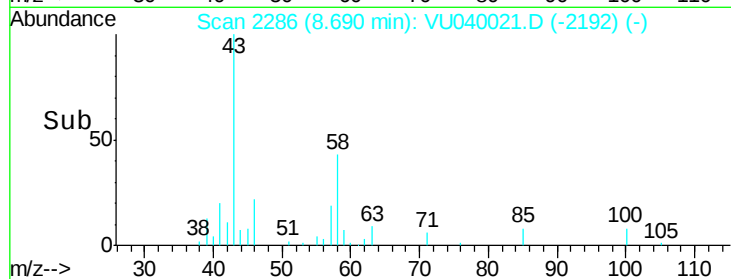
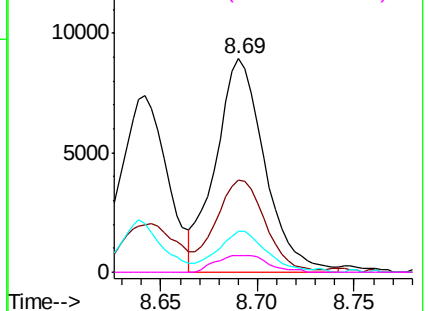
#48
2-Hexanone
Concen: 2.368 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU040021.D
Acq: 02 Sep 2020 12:59

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 15772
Ion Ratio Lower Upper
43 100
58 42.9 39.6 59.4
57 19.3 14.3 21.5
100 8.5 8.0 12.0

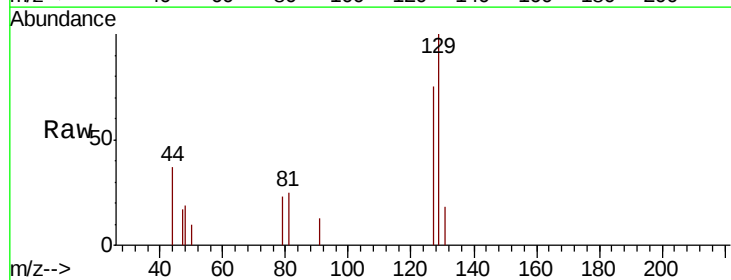


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

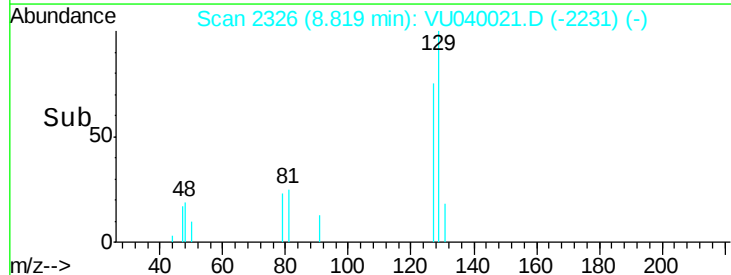
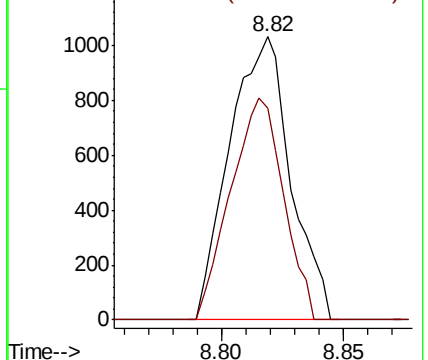


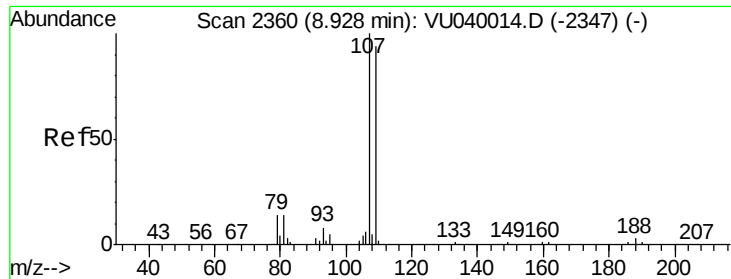
#49
Dibromochloromethane
Concen: 0.184 ug/L
RT: 8.82 min Scan# 2326
Delta R.T. 0.01 min
Lab File: VU040021.D
Acq: 02 Sep 2020 12:59

Tgt Ion: 129 Resp: 1789
Ion Ratio Lower Upper
129 100
127 74.9 53.7 99.7



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

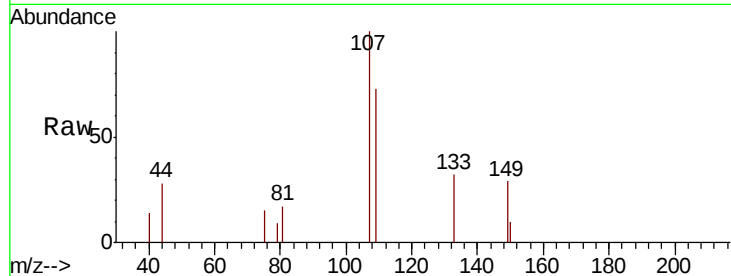




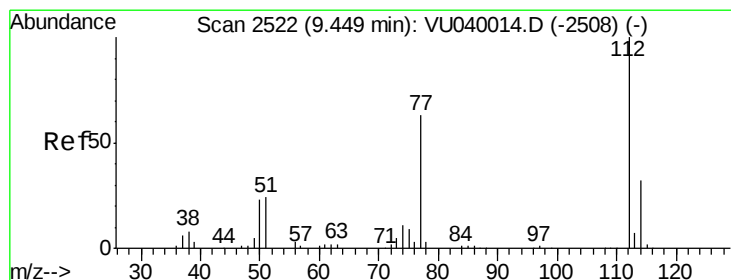
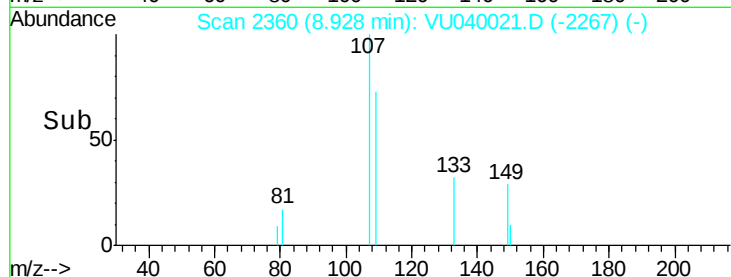
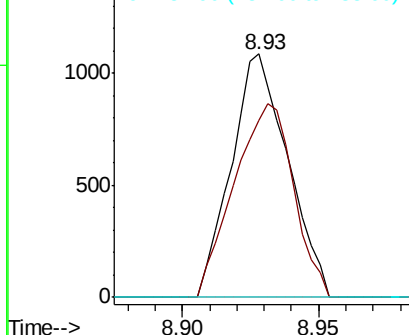
#50
1,2-Dibromoethane
Concen: 0.200 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. -0.00 min
Lab File: VU040021.D
Acq: 02 Sep 2020 12:59

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:107 Resp: 1562
Ion Ratio Lower Upper
107 100
109 72.7 62.4 115.8
188 0.0 2.3 3.5#

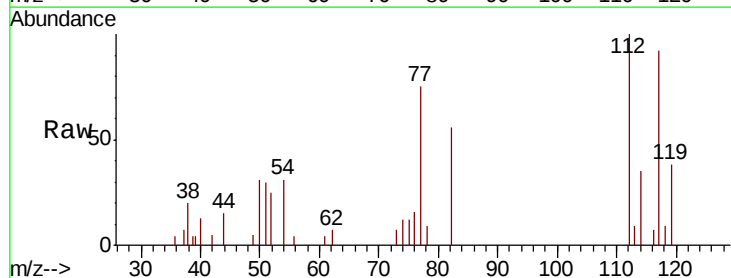


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

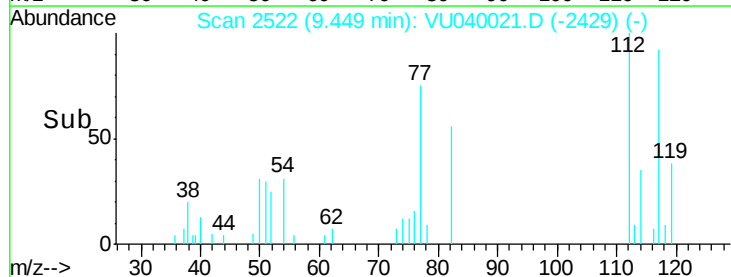
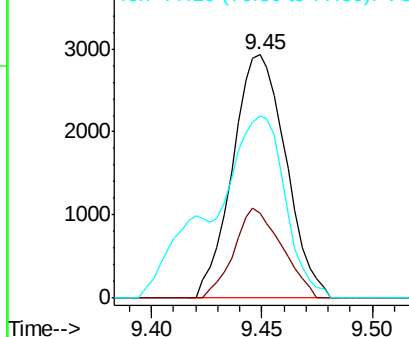


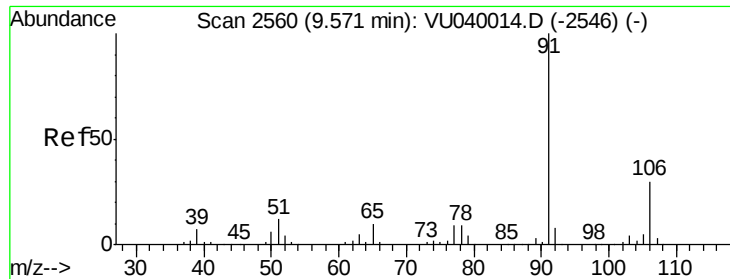
#51
Chlorobenzene
Concen: 0.187 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU040021.D
Acq: 02 Sep 2020 12:59

Tgt Ion:112 Resp: 4911
Ion Ratio Lower Upper
112 100
114 34.7 22.7 42.3
77 74.7 53.2 79.8



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: 0.173 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040021.D

Acq: 02 Sep 2020 12:59

Instrument :

MSVOA_U

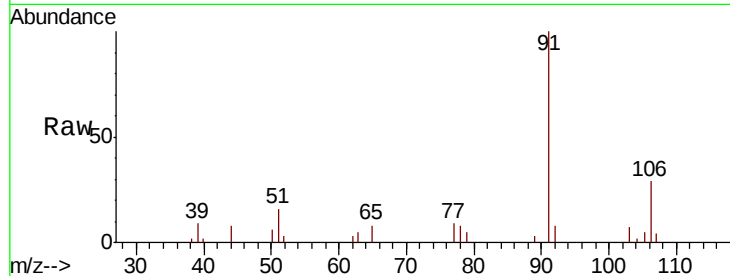
ClientSampled :

Tot Ion: 91 Resp: 8321

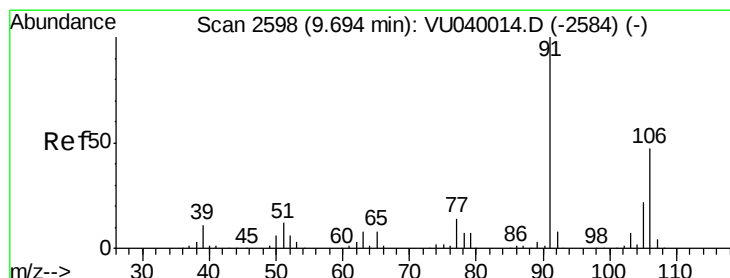
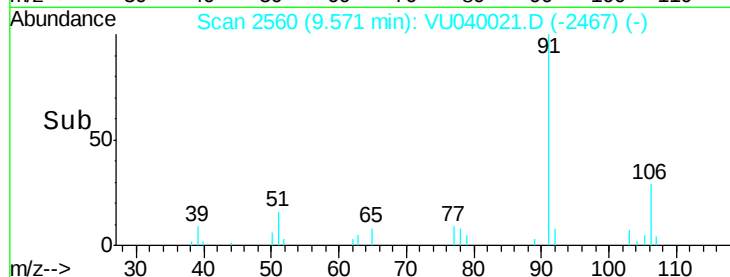
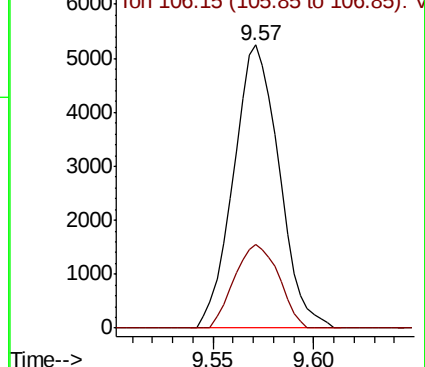
Ion Ratio Lower Upper

91 100

106 29.4 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU040021.D (-2546) (-)



#53

m,p-Xylene

Concen: 0.163 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040021.D

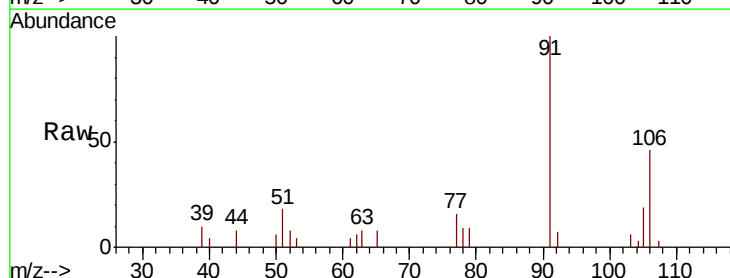
Acq: 02 Sep 2020 12:59

Tgt Ion: 106 Resp: 2799

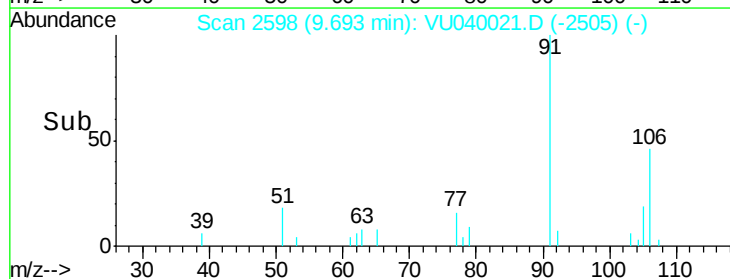
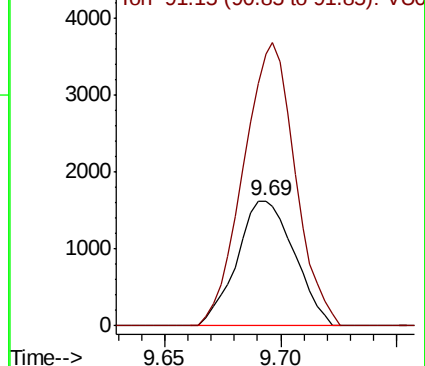
Ion Ratio Lower Upper

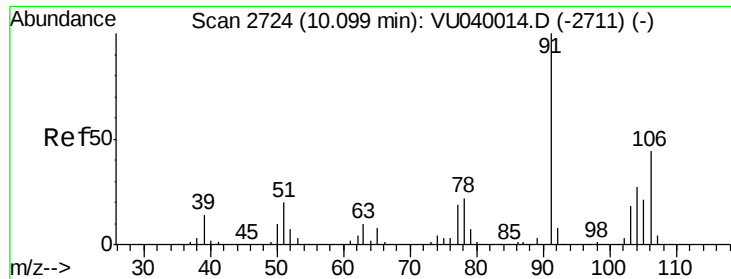
106 100

91 217.5 151.7 281.7



Abundance Ion 106.15 (105.85 to 106.85): VU040021.D (-2598) (-)

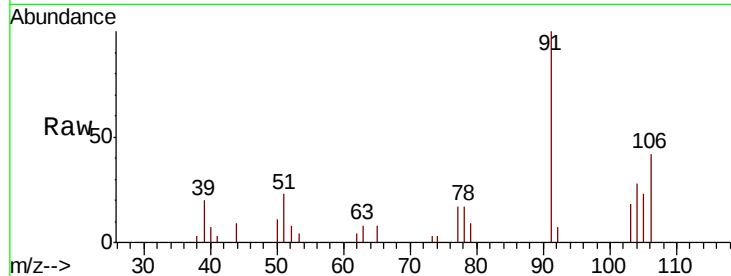




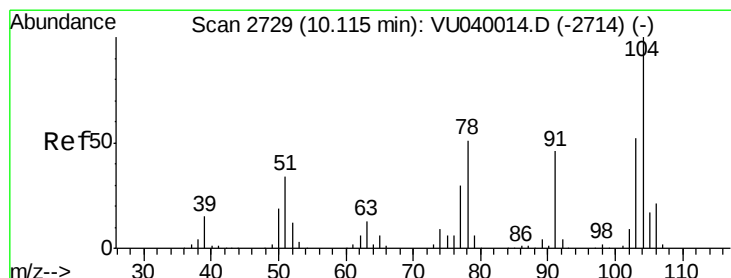
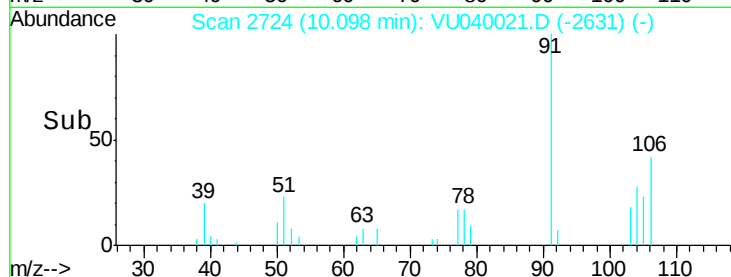
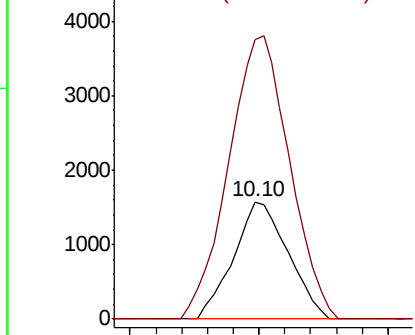
#54
o-Xylene
Concen: 0.142 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU040021.D
Acq: 02 Sep 2020 12:59

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 2318
Ion Ratio Lower Upper
106 100
91 238.2 160.8 298.6

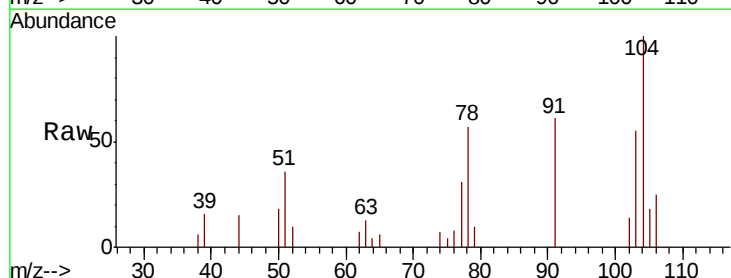


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

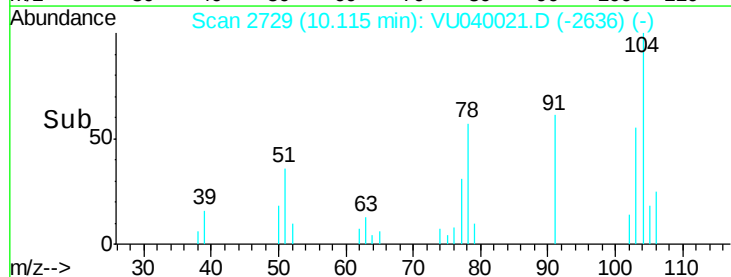
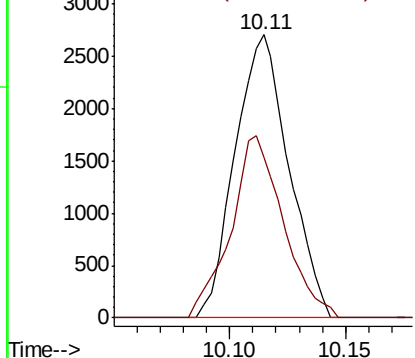


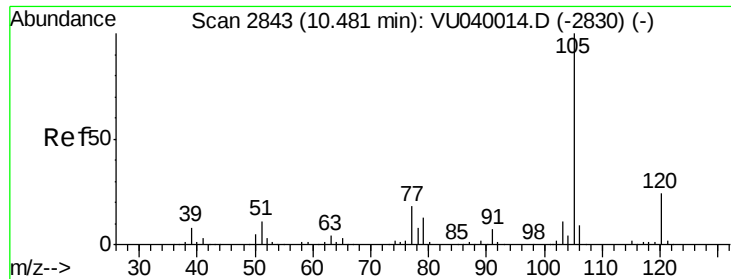
#55
Styrene
Concen: 0.153 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU040021.D
Acq: 02 Sep 2020 12:59

Tgt Ion:104 Resp: 4355
Ion Ratio Lower Upper
104 100
78 56.8 36.8 68.3



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





#56

Isopropylbenzene

Concen: 0.160 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040021.D

Acq: 02 Sep 2020 12:59

Instrument :

MSVOA_U

ClientSampleId :

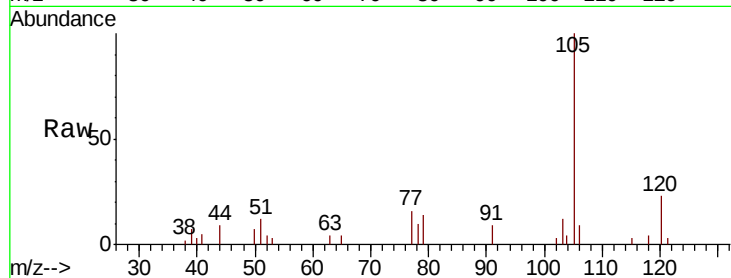
Tot Ion:105 Resp: 7136

Ion Ratio Lower Upper

105 100

120 23.1 20.1 30.1

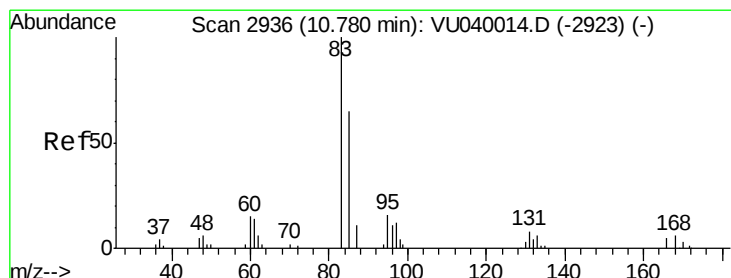
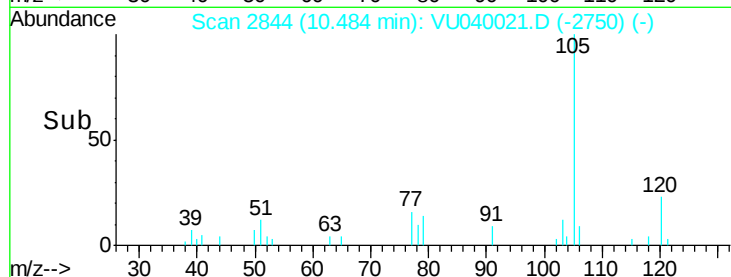
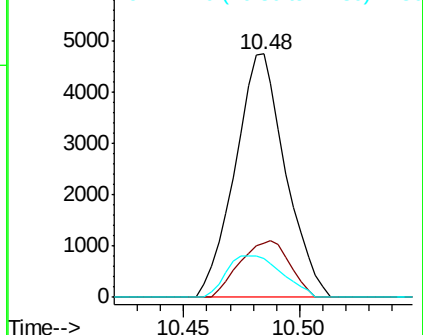
77 18.8 14.4 21.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.193 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040021.D

Acq: 02 Sep 2020 12:59

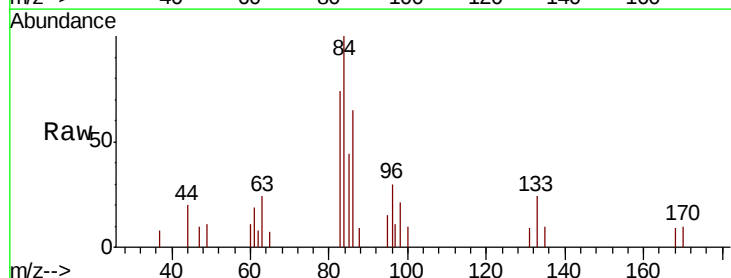
Tgt Ion: 83 Resp: 2010

Ion Ratio Lower Upper

83 100

85 60.3 44.9 83.3

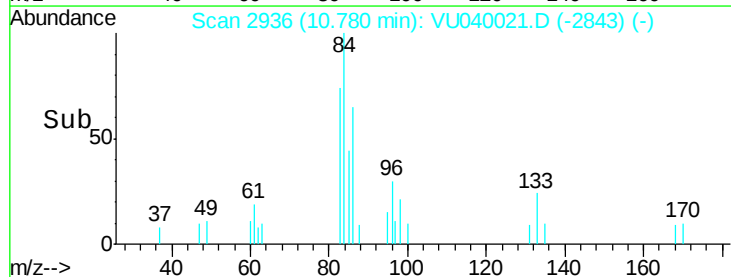
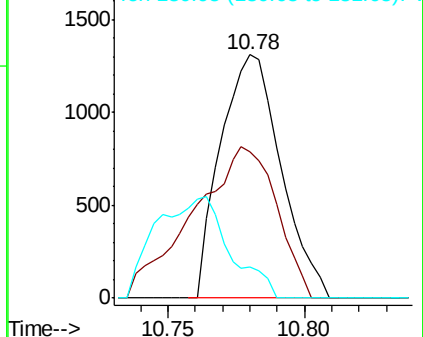
131 12.6 7.4 11.0#

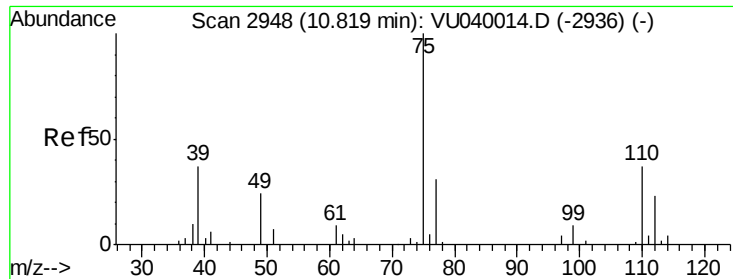


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

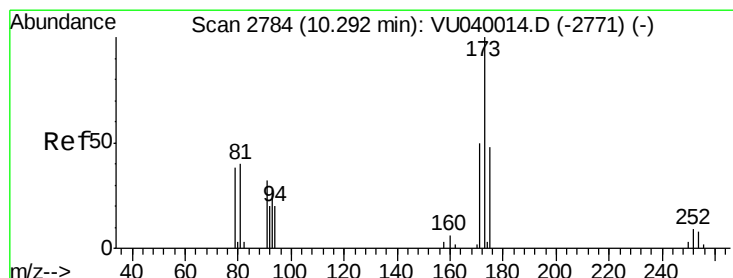
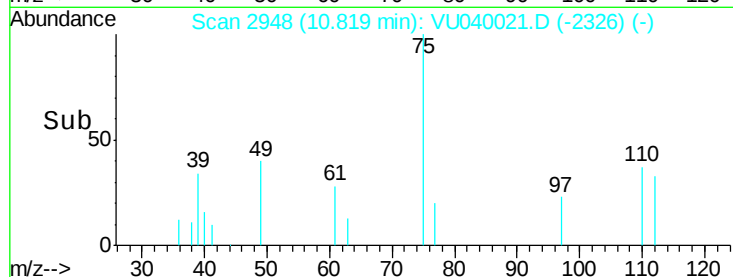
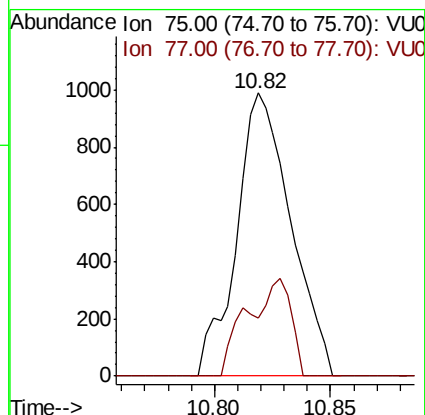
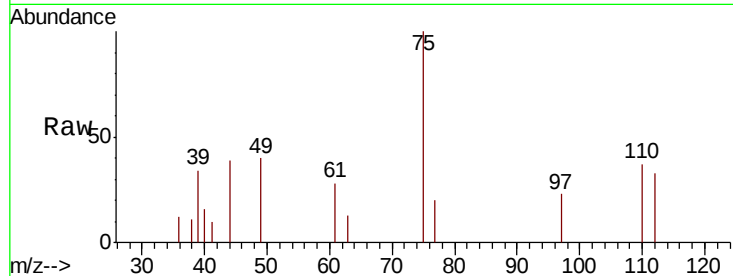




#59
 1,2,3-Trichloropropane
 Concen: 0.195 ug/L
 RT: 10.82 min Scan# 2948
 Delta R.T. -0.00 min
 Lab File: VU040021.D
 Acq: 02 Sep 2020 12:59

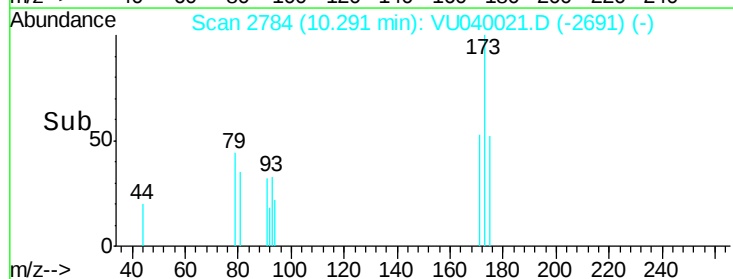
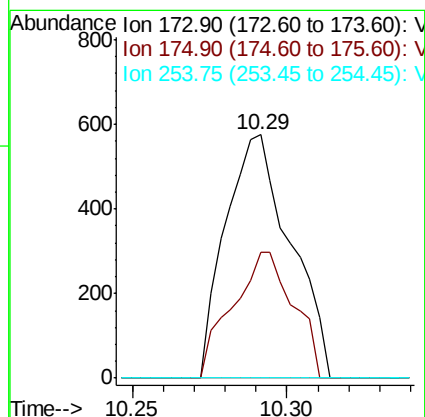
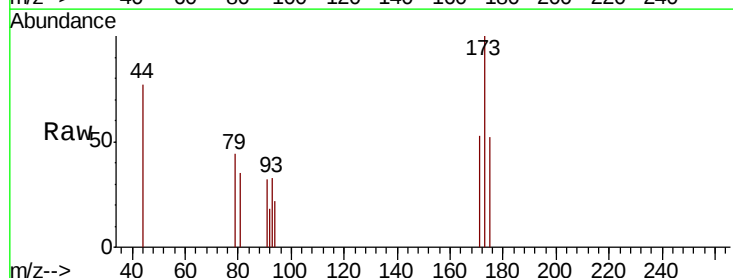
Instrument :
 MSVOA_U
 ClientSampled :

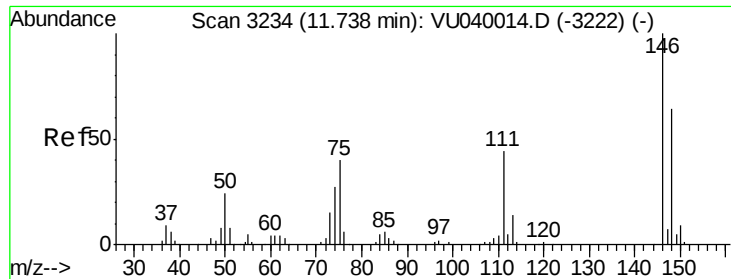
Tot Ion: 75 Resp: 1611
 Ion Ratio Lower Upper
 75 100
 77 27.4 24.9 37.3



#61
 Bromoform
 Concen: 0.175 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. -0.00 min
 Lab File: VU040021.D
 Acq: 02 Sep 2020 12:59

Tgt Ion: 173 Resp: 842
 Ion Ratio Lower Upper
 173 100
 175 48.8 37.8 56.6
 254 0.0 6.8 10.2#

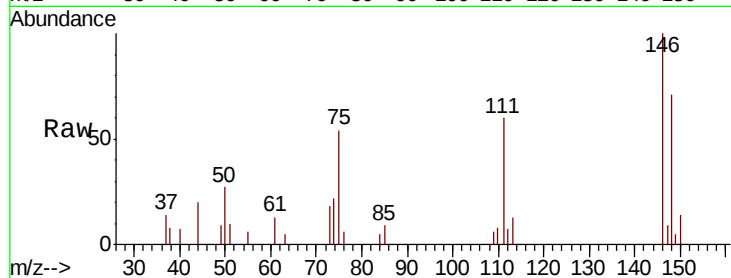




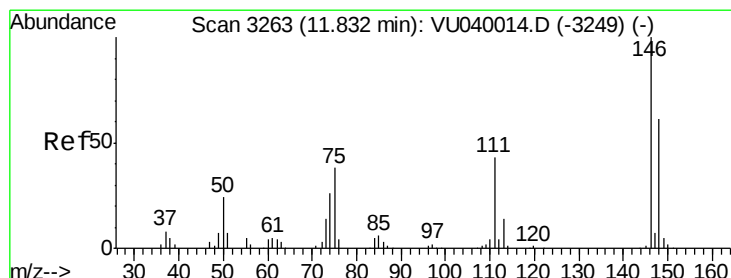
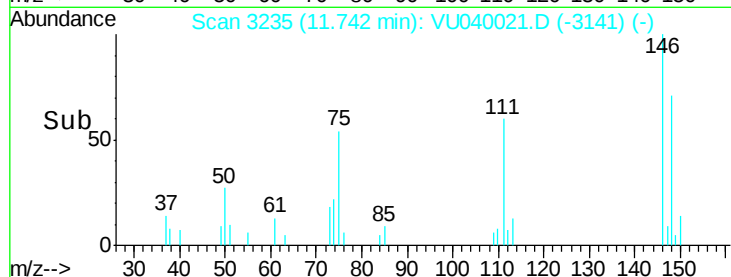
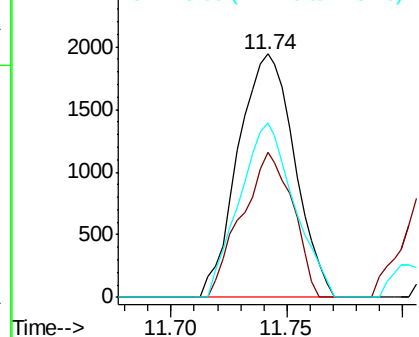
#62
 1,3-Dichlorobenzene
 Concen: 0.171 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU040021.D
 Acq: 02 Sep 2020 12:59

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:146 Resp: 3286
 Ion Ratio Lower Upper
 146 100
 111 59.6 31.6 58.8#
 148 71.5 44.2 82.0

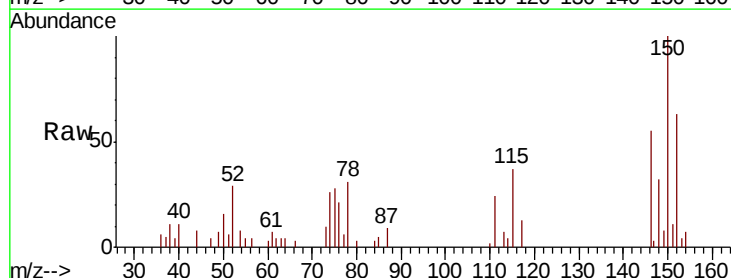


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

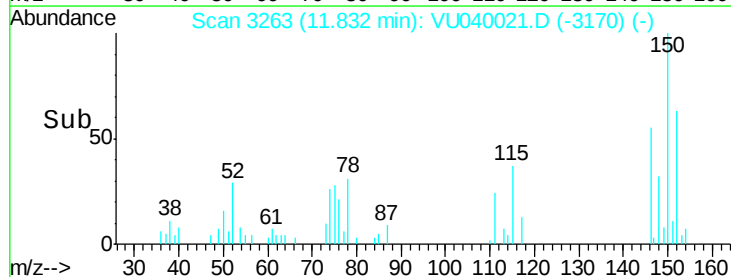
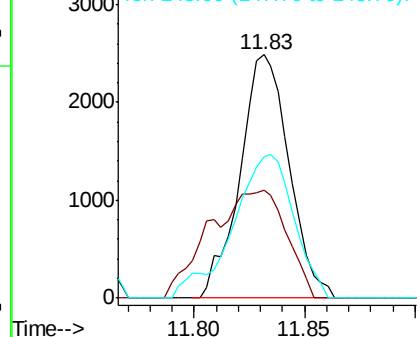


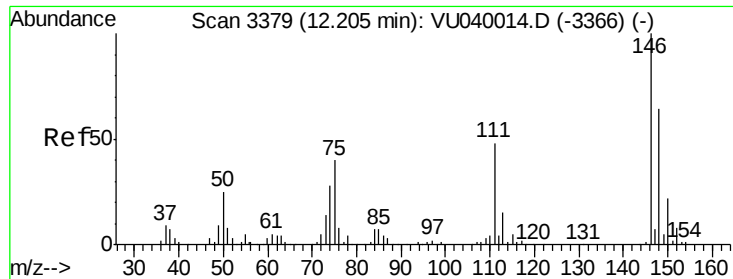
#63
 1,4-Dichlorobenzene
 Concen: 0.198 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU040021.D
 Acq: 02 Sep 2020 12:59

Tgt Ion:146 Resp: 3841
 Ion Ratio Lower Upper
 146 100
 111 44.1 30.5 56.7
 148 58.0 45.4 84.4



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





#65

1,2-Dichlorobenzene

Concen: 0.222 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU040021.D

Acq: 02 Sep 2020 12:59

Instrument :

MSVOA_U

ClientSampleId :

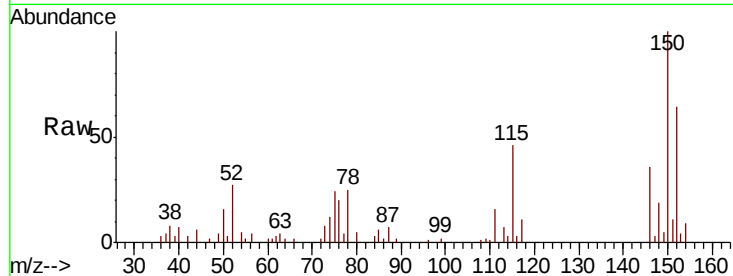
Tot Ion:146 Resp: 4122

Ion Ratio Lower Upper

146 100

111 43.6 36.5 54.7

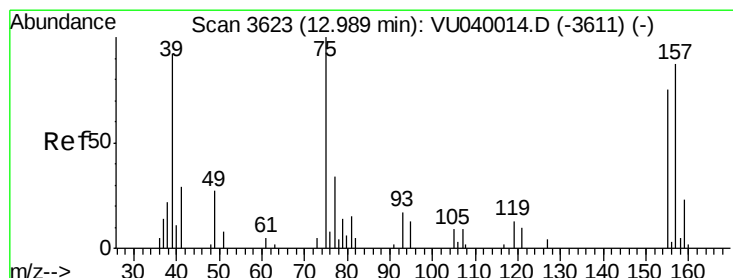
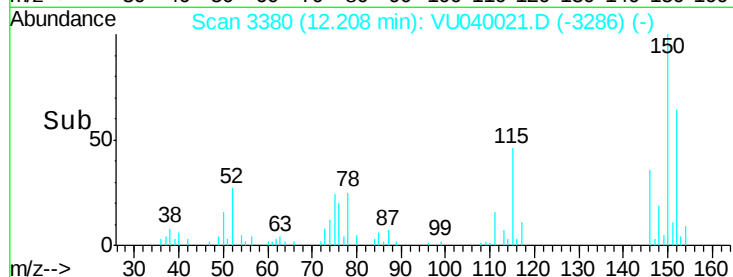
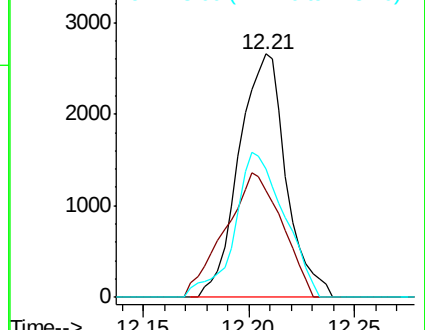
148 52.8 48.6 72.8



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: 0.137 ug/L

RT: 12.99 min Scan# 3624

Delta R.T. 0.00 min

Lab File: VU040021.D

Acq: 02 Sep 2020 12:59

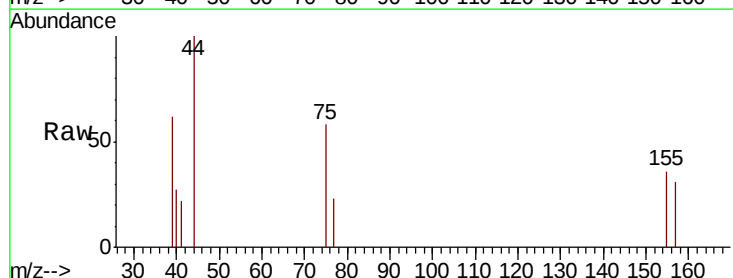
Tgt Ion: 75 Resp: 272

Ion Ratio Lower Upper

75 100

155 62.8 54.6 82.0

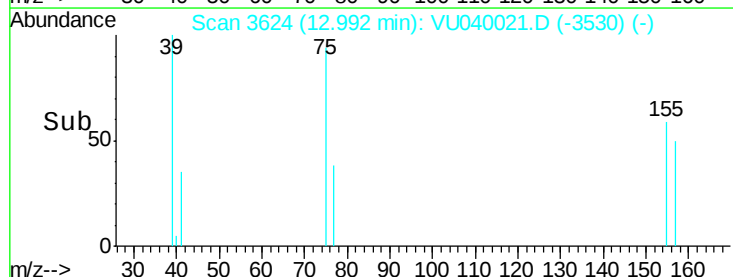
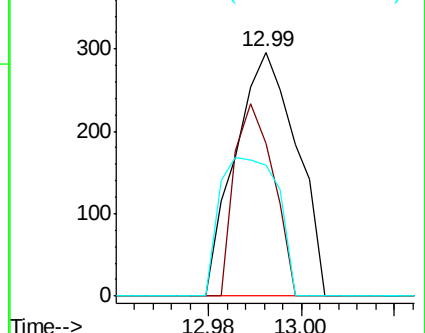
157 53.7 75.6 113.4#

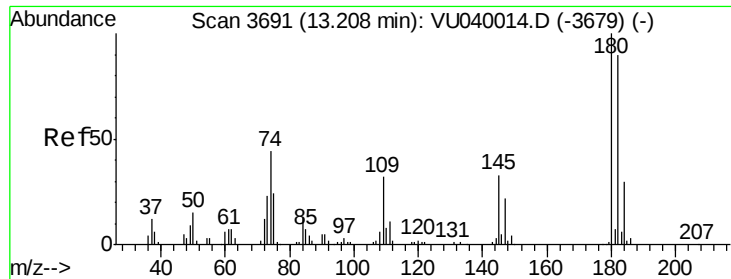


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

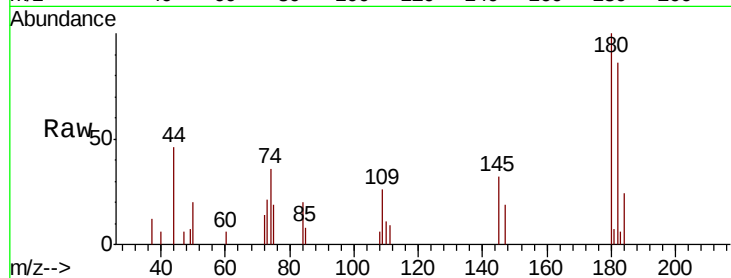




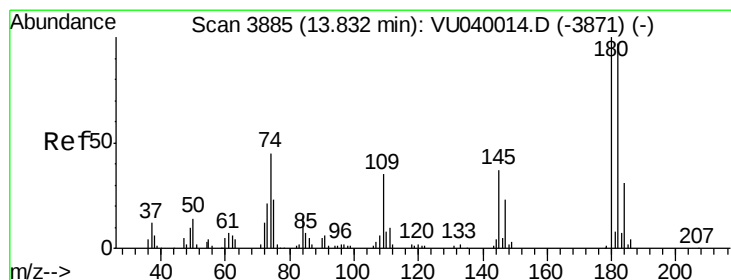
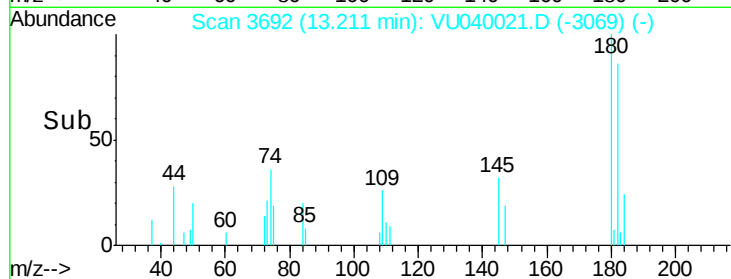
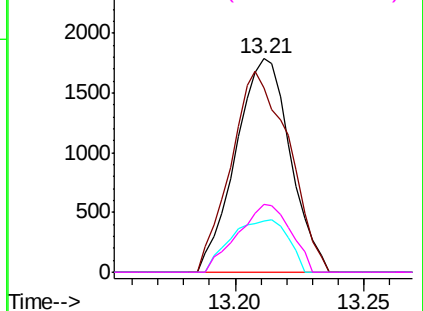
#67
 1,3,5-Trichlorobenzene
 Concen: 0.195 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040021.D
 Acq: 02 Sep 2020 12:59

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:180 Resp: 2633
 Ion Ratio Lower Upper
 180 100
 182 99.9 76.9 115.3
 184 25.8 24.6 36.8
 145 30.6 27.0 40.6

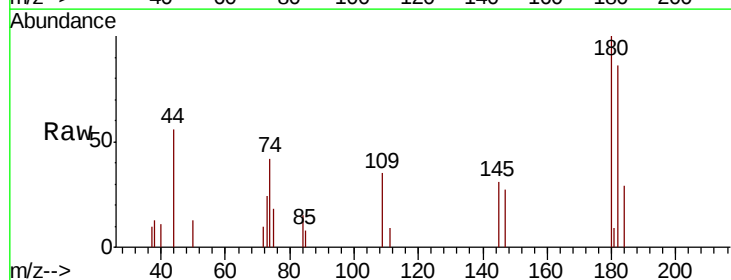


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

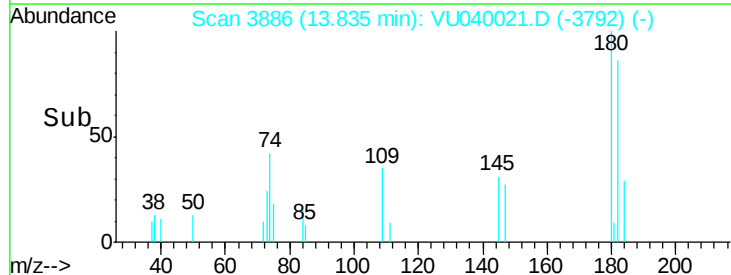
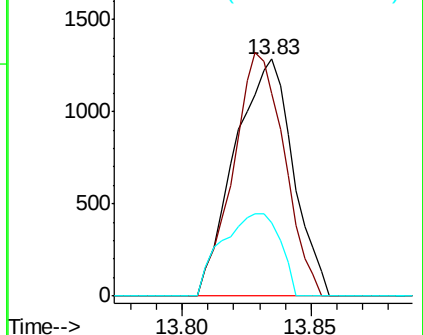


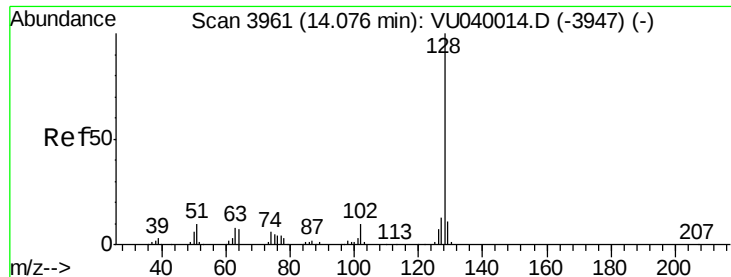
#68
 1,2,4-trichlorobenzene
 Concen: 0.174 ug/L
 RT: 13.83 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VU040021.D
 Acq: 02 Sep 2020 12:59

Tgt Ion:180 Resp: 2019
 Ion Ratio Lower Upper
 180 100
 182 89.8 76.0 114.0
 145 34.6 28.4 42.6



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





#69

Naphthalene

Concen: 0.142 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU040021.D

Acq: 02 Sep 2020 12:59

Instrument :

MSVOA_U

ClientSampled :

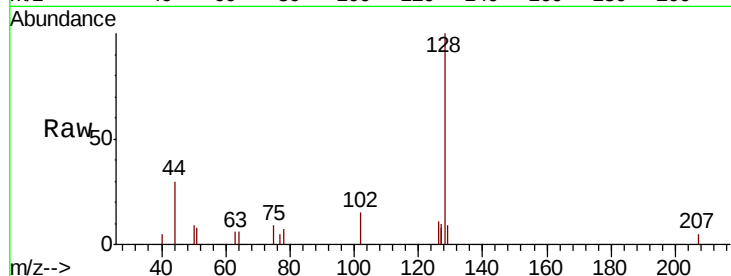
Tot Ion:128 Resp: 3423

Ion Ratio Lower Upper

128 100

129 7.5 8.7 13.1#

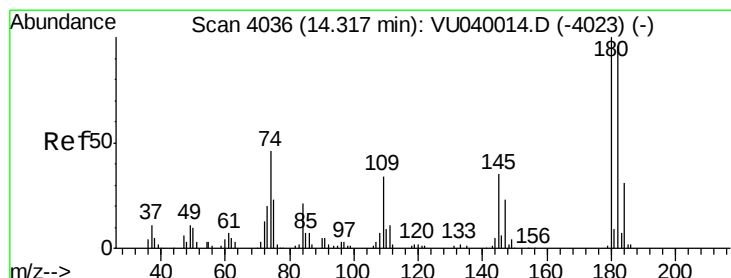
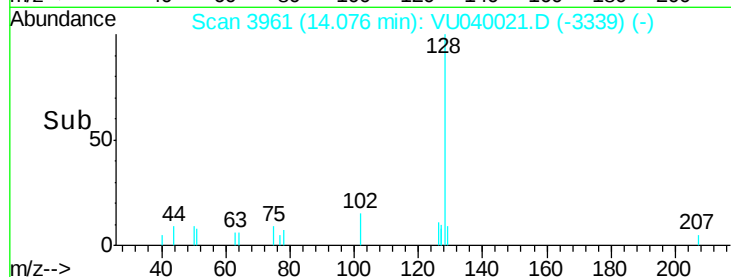
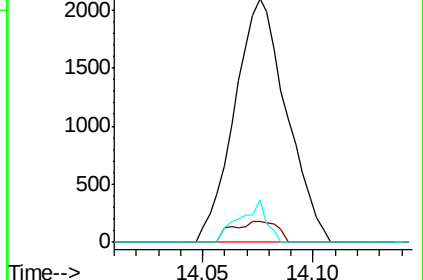
127 9.1 10.7 16.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.136 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU040021.D

Acq: 02 Sep 2020 12:59

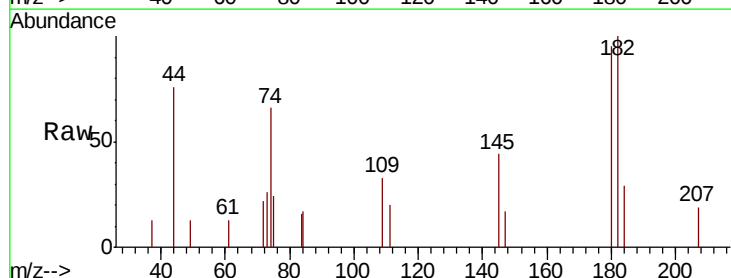
Tgt Ion:180 Resp: 1454

Ion Ratio Lower Upper

180 100

182 119.1 77.8 116.6#

145 46.0 28.7 43.1#



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

