

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090220\
 Data File : VU040018.D
 Acq On : 02 Sep 2020 11:47
 Operator : SY/MD
 Sample : MDL03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 03 01:18:30 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	109317	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	108097	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	48668	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	28307	4.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.80%
7) Chloroethane-d5	1.92	69	25187	5.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.40%
11) 1,1-Dichloroethene-d2	2.58	63	51424	3.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.20%
20) 2-Butanone-d5	4.66	46	133899	56.09	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.18%
24) Chloroform-d	5.08	84	66739	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	5.72	65	44581	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
32) Benzene-d6	5.74	84	127685	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
36) 1,2-Dichloropropane-d6	6.70	67	42679	5.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.60%
41) Toluene-d8	7.91	98	109300	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.80%
43) trans-1,3-Dichloropropene-	8.19	79	17365	4.54	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.80%
46) 2-Hexanone-d5	8.64	63	95315	52.66	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.32%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	37151	5.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	42491	5.40	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	2164	0.199 ug/L	98
3) Chloromethane	1.53	50	2431	0.234 ug/L	91
5) Vinyl chloride	1.61	62	2264	0.215 ug/L #	57
6) Bromomethane	1.87	94	1397	0.260 ug/L	74
8) Chloroethane	1.94	64	1537	0.243 ug/L	100
9) Trichlorofluoromethane	2.15	101	3044	0.202 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2195	0.224 ug/L #	87
12) 1,1-Dichloroethene	2.59	96	2047	0.242 ug/L #	1
13) Acetone	2.67	43	2919	1.321 ug/L	86
14) Carbon disulfide	2.81	76	5318	0.196 ug/L #	82
15) Methyl Acetate	2.98	43	1163	0.210 ug/L #	67
16) Methylene chloride	3.06	84	3960	0.357 ug/L	93
17) Methyl tert-butyl Ether	3.38	73	4629	0.182 ug/L	94
18) trans-1,2-Dichloroethene	3.38	96	2090	0.230 ug/L	91
19) 1,1-Dichloroethane	3.89	63	3495	0.187 ug/L #	89
21) 2-Butanone	4.75	43	8718	2.416 ug/L	78
22) cis-1,2-Dichloroethene	4.69	96	2075	0.212 ug/L	75

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

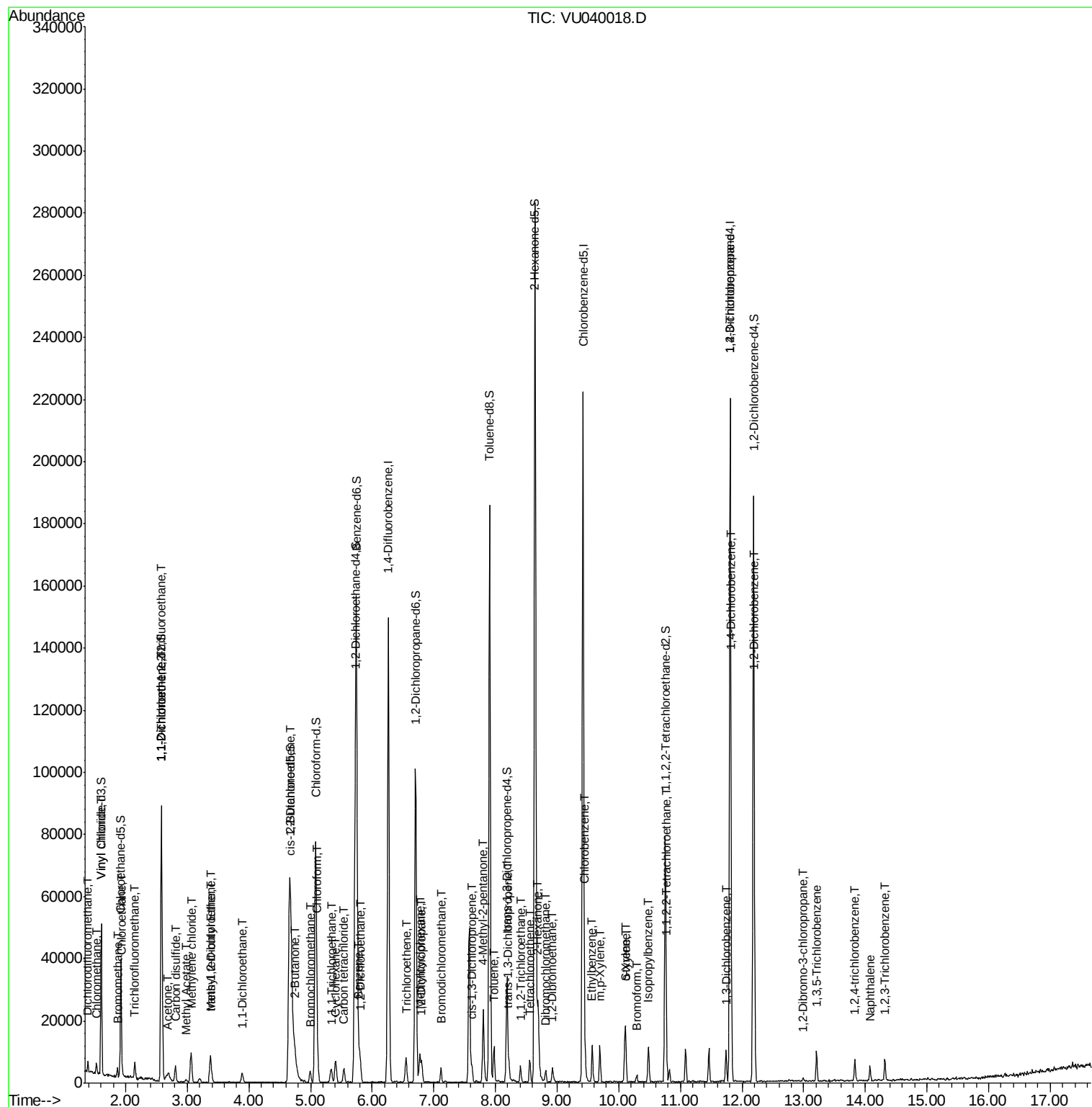
23) Bromochloromethane	5.00	128	801	0.187	ug/L #	82
25) Chloroform	5.11	83	6462	0.337	ug/L	83
27) 1,2-Dichloroethane	5.81	62	2747	0.195	ug/L #	87
29) 1,1,1-Trichloroethane	5.33	97	3205	0.189	ug/L	94
30) Cyclohexane	5.41	56	2991	0.182	ug/L	88
31) Carbon tetrachloride	5.54	117	2988	0.206	ug/L	90
33) Benzene	5.79	78	7588	0.196	ug/L	100
34) Trichloroethene	6.55	95	1986	0.191	ug/L	87
35) Methylcyclohexane	6.78	83	2837	0.179	ug/L	94
37) 1,2-Dichloropropane	6.81	63	2072	0.198	ug/L #	88
38) Bromodichloromethane	7.12	83	2850	0.199	ug/L #	94
39) cis-1,3-Dichloropropene	7.62	75	2787	0.180	ug/L	84
40) 4-Methyl-2-pentanone	7.80	43	15886	1.849	ug/L #	91
42) Toluene	7.98	91	7745	0.194	ug/L	98
44) trans-1,3-Dichloropropene	8.22	75	2637	0.184	ug/L #	38
45) 1,1,2-Trichloroethane	8.41	97	1493	0.196	ug/L	89
47) Tetrachloroethene	8.56	164	1249	0.183	ug/L	80
48) 2-Hexanone	8.69	43	14148	2.258	ug/L	96
49) Dibromochloromethane	8.82	129	1996	0.218	ug/L	88
50) 1,2-Dibromoethane	8.92	107	1450	0.197	ug/L #	92
51) Chlorobenzene	9.45	112	5491	0.222	ug/L	94
52) Ethylbenzene	9.57	91	8134	0.180	ug/L	97
53) m,p-Xylene	9.69	106	2914	0.181	ug/L	88
54) o-Xylene	10.10	106	2946	0.192	ug/L	94
55) Styrene	10.11	104	4941	0.185	ug/L	92
56) Isopropylbenzene	10.48	105	7172	0.171	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	2514	0.257	ug/L	91
59) 1,2,3-Trichloropropane	11.81	75	9476	1.221	ug/L	96
61) Bromoform	10.29	173	752	0.168	ug/L #	77
62) 1,3-Dichlorobenzene	11.74	146	3859	0.217	ug/L	90
63) 1,4-Dichlorobenzene	11.83	146	3768	0.209	ug/L	100
65) 1,2-Dichlorobenzene	12.21	146	3516	0.204	ug/L	87
66) 1,2-Dibromo-3-chloropropan	12.99	75	336	0.183	ug/L	93
67) 1,3,5-Trichlorobenzene	13.21	180	2393	0.191	ug/L	97
68) 1,2,4-trichlorobenzene	13.83	180	2027	0.188	ug/L	90
69) Naphthalene	14.08	128	3877	0.173	ug/L #	92
70) 1,2,3-Trichlorobenzene	14.32	180	1891	0.191	ug/L	89

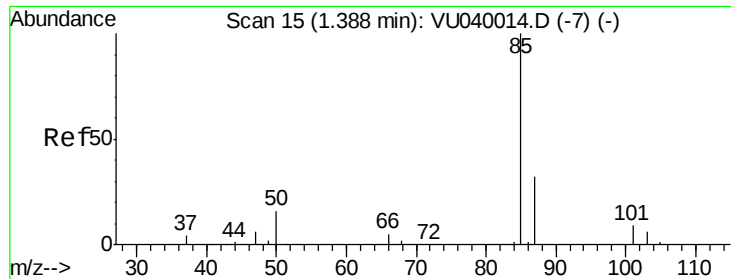
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.199 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040018.D

Acq: 02 Sep 2020 11:47

Instrument :

MSVOA_U

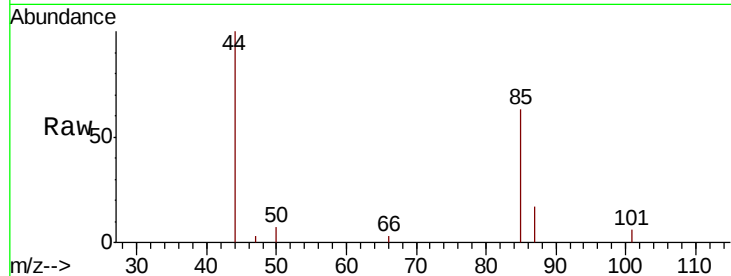
ClientSampled :

Tot Ion: 85 Resp: 2164

Ion Ratio Lower Upper

85 100

87 31.4 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

1.39

2500

2000

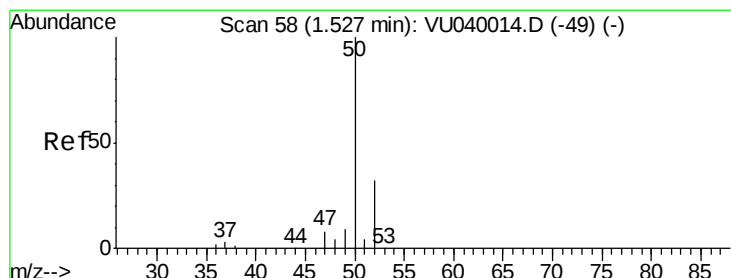
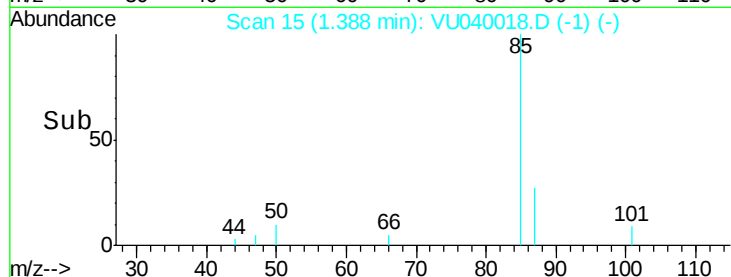
1500

1000

500

0

Time-->



#3

Chloromethane

Concen: 0.234 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040018.D

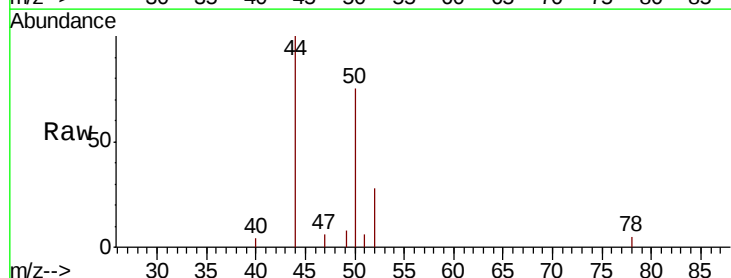
Acq: 02 Sep 2020 11:47

Tgt Ion: 50 Resp: 2431

Ion Ratio Lower Upper

50 100

52 37.9 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0

1.53

2500

2000

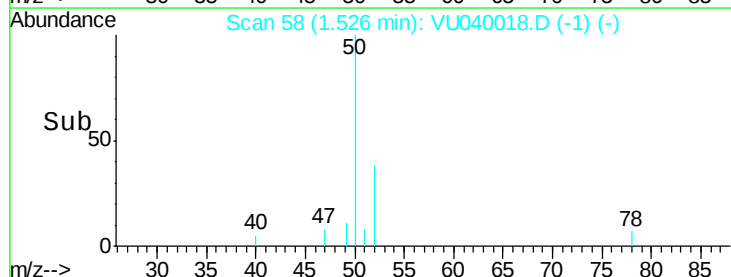
1500

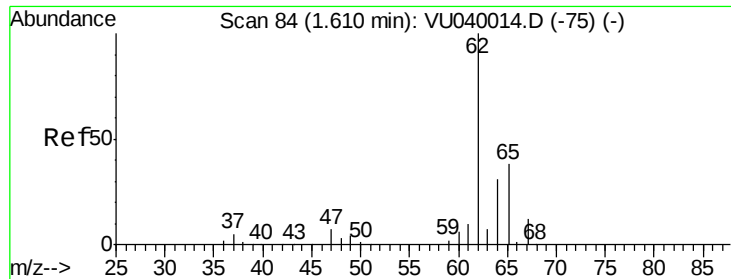
1000

500

0

Time-->





#5

Vinyl chloride

Concen: 0.215 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040018.D

Acq: 02 Sep 2020 11:47

Instrument :

MSVOA_U

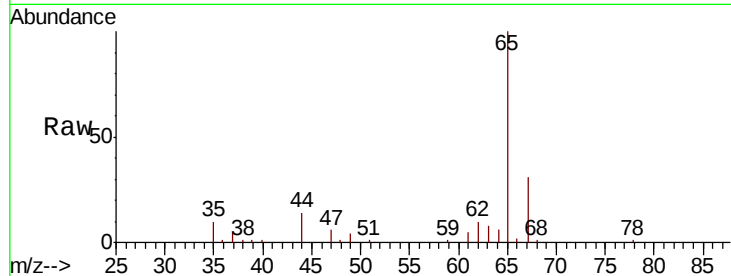
ClientSampled :

Tot Ion: 62 Resp: 2264

Ion Ratio Lower Upper

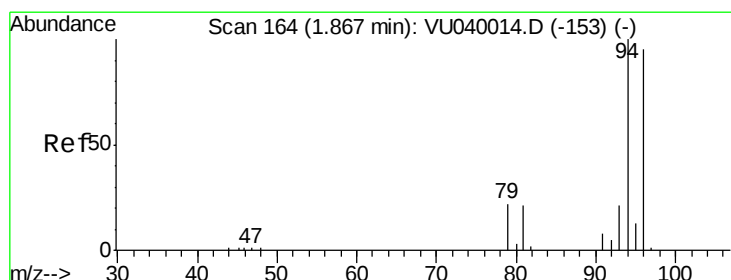
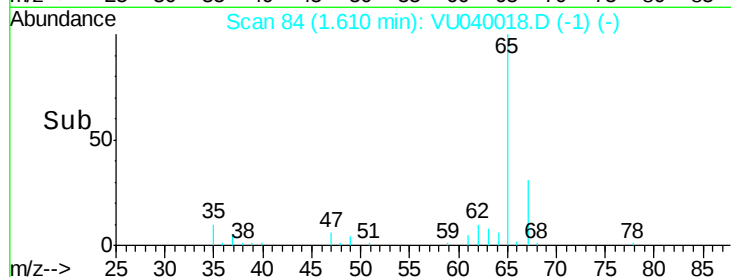
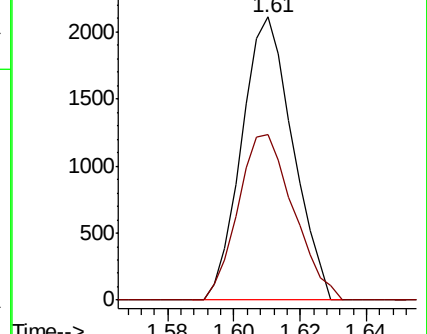
62 100

64 58.6 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: 0.260 ug/L

RT: 1.87 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU040018.D

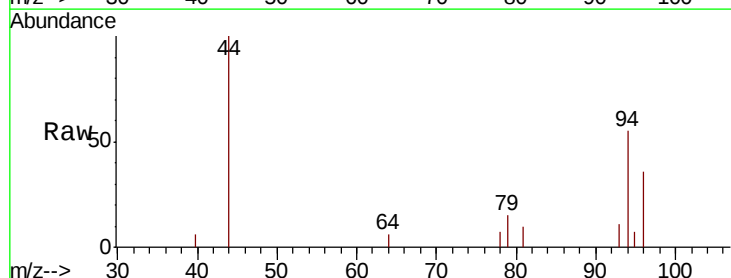
Acq: 02 Sep 2020 11:47

Tgt Ion: 94 Resp: 1397

Ion Ratio Lower Upper

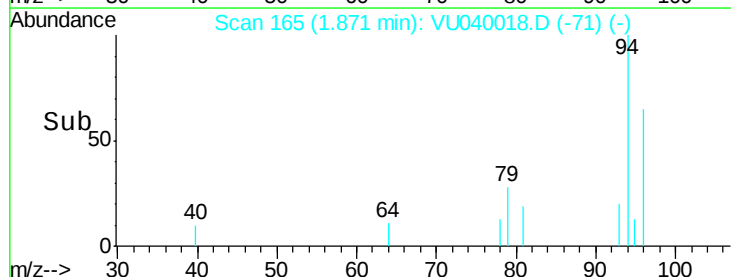
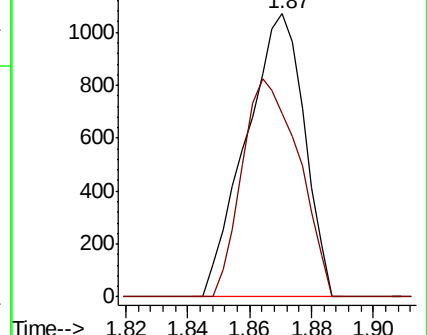
94 100

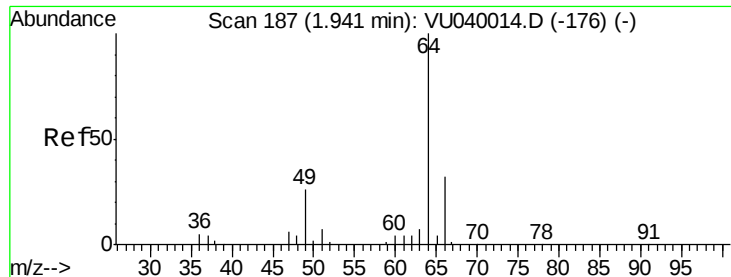
96 65.0 62.3 115.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 0.243 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU040018.D

Acq: 02 Sep 2020 11:47

Instrument :

MSVOA_U

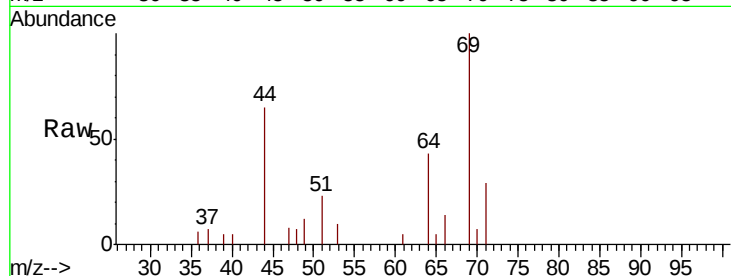
ClientSampled :

Tot Ion: 64 Resp: 1537

Ion Ratio Lower Upper

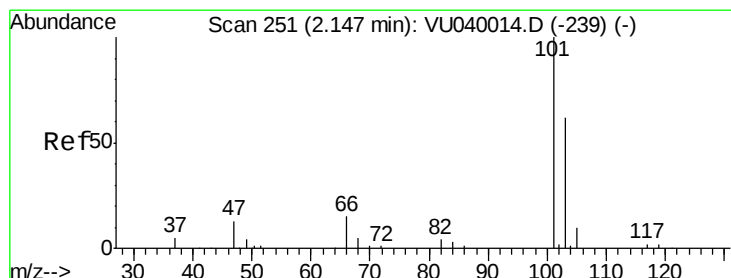
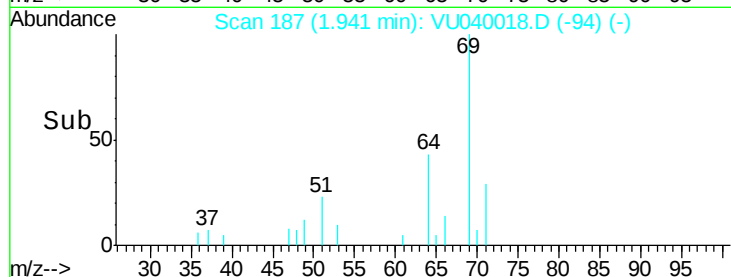
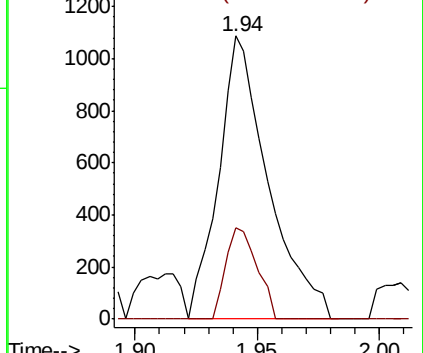
64 100

66 32.5 22.7 42.1



Abundance Ion 64.10 (63.80 to 64.80): VU040018.D (-94) (-)

Ion 66.05 (65.75 to 66.75): VU040018.D (-94) (-)



#9

Trichlorofluoromethane

Concen: 0.202 ug/L

RT: 2.15 min Scan# 253

Delta R.T. 0.01 min

Lab File: VU040018.D

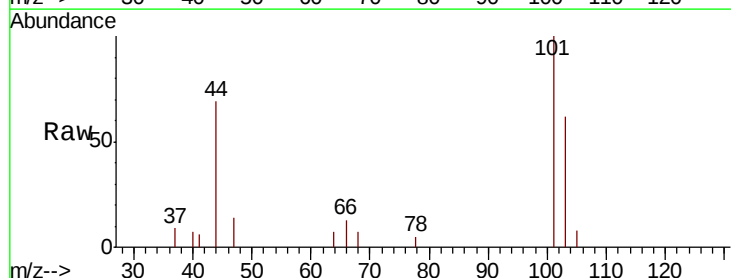
Acq: 02 Sep 2020 11:47

Tgt Ion: 101 Resp: 3044

Ion Ratio Lower Upper

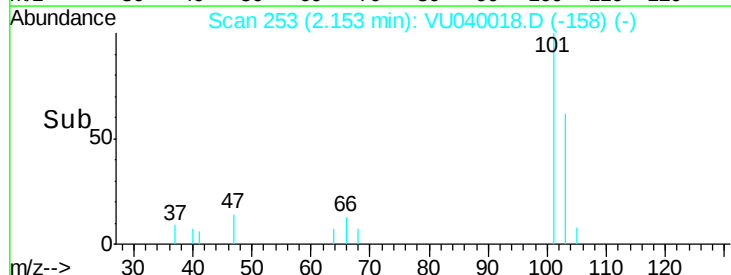
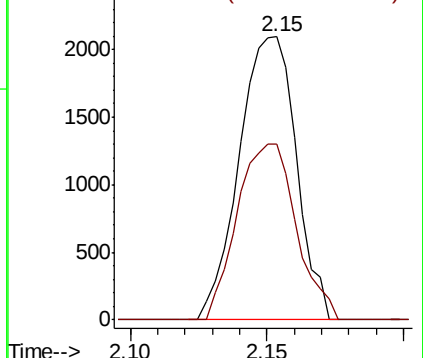
101 100

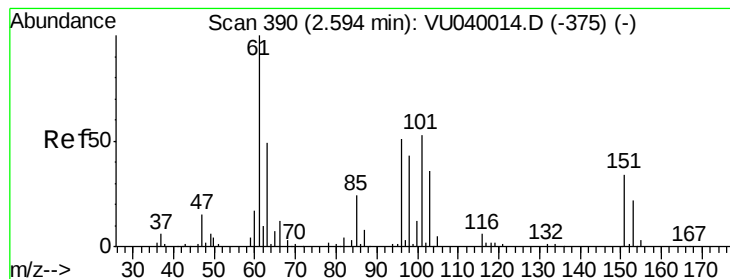
103 64.3 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VU040018.D (-158) (-)

Ion 103.00 (102.70 to 103.70): VU040018.D (-158) (-)





#10

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

Concen: 0.224 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040018.D

Acq: 02 Sep 2020 11:47

Instrument :

MSVOA_U

ClientSampled :

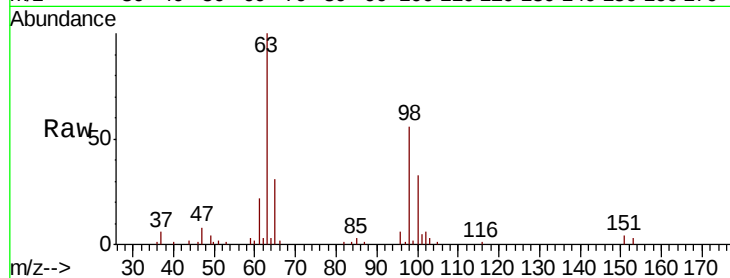
Tot Ion:101 Resp: 2195

Ion Ratio Lower Upper

101 100

85 30.2 37.7 56.5#

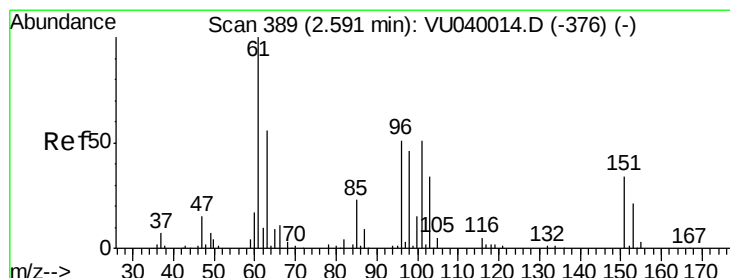
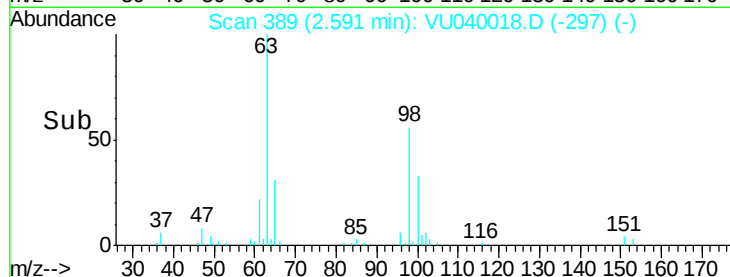
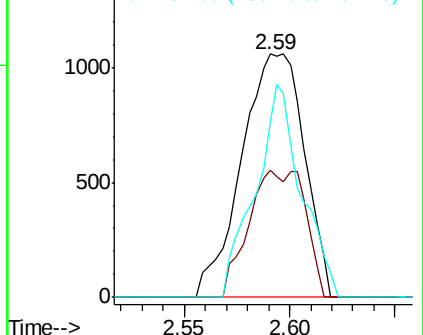
151 64.1 53.9 80.9



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: 0.242 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040018.D

Acq: 02 Sep 2020 11:47

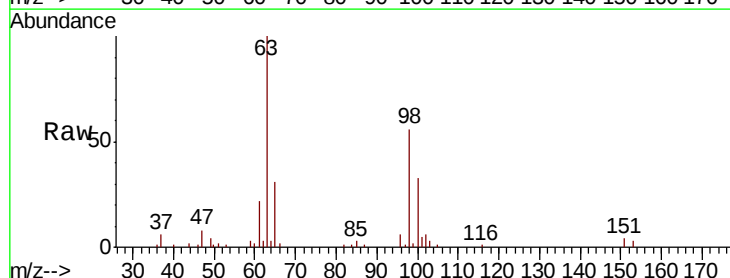
Tgt Ion: 96 Resp: 2047

Ion Ratio Lower Upper

96 100

61 354.0 138.3 256.8#

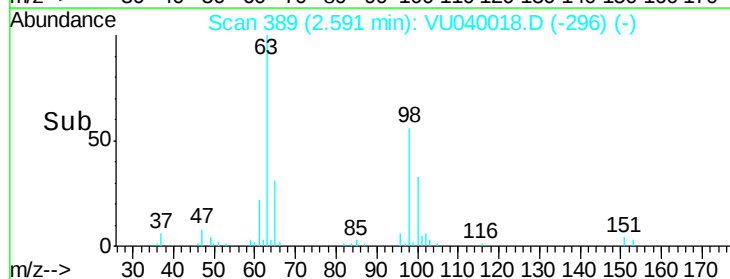
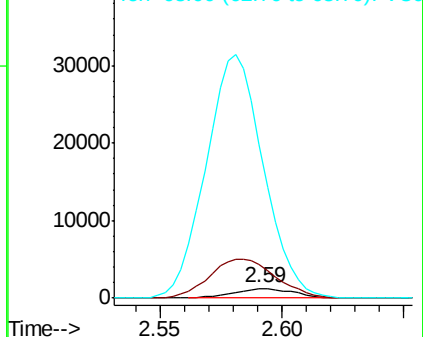
63 1617.0 77.6 144.2#

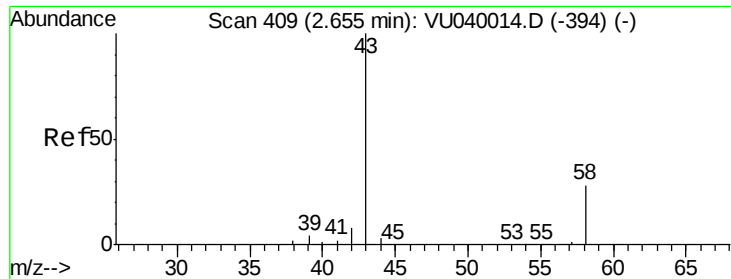


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

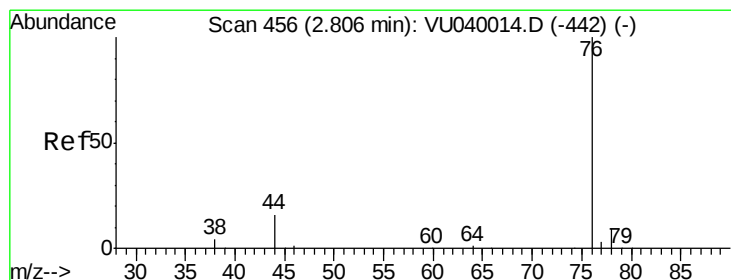
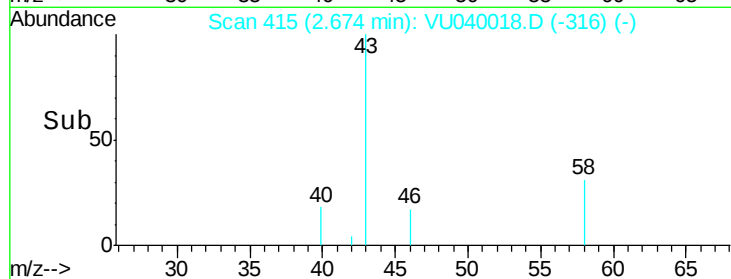
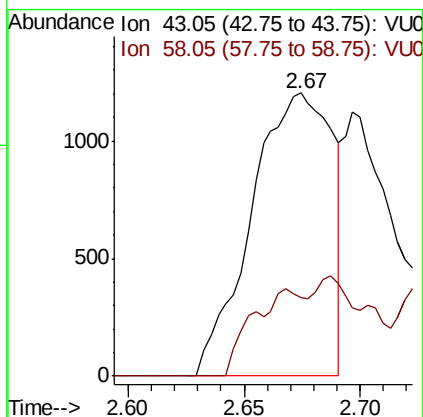
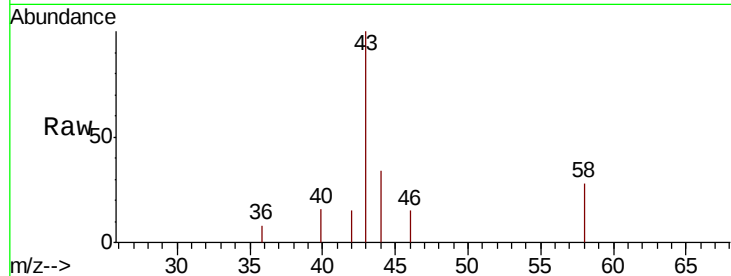




#13
Acetone
Concen: 1.321 ug/L
RT: 2.67 min Scan# 415
Delta R.T. 0.02 min
Lab File: VU040018.D
Acq: 02 Sep 2020 11:47

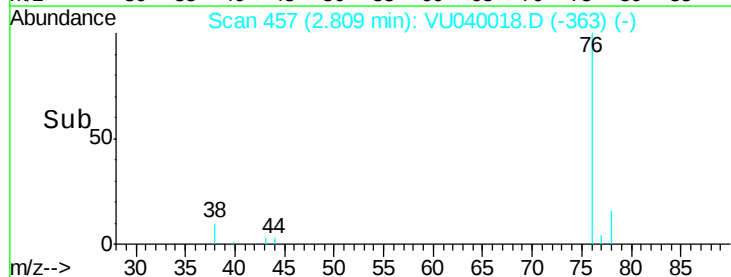
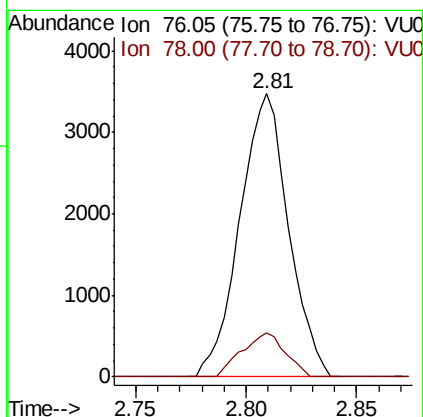
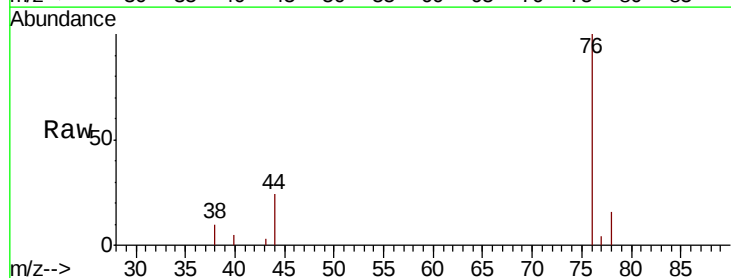
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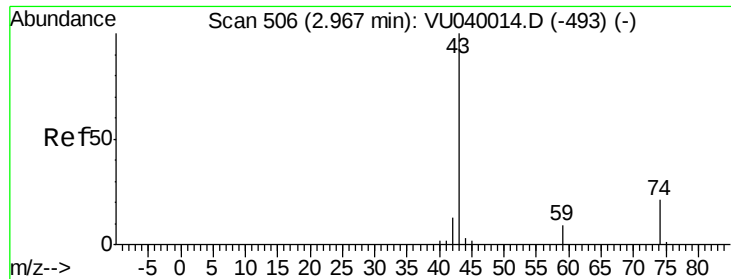
Tot Ion: 43 Resp: 2919
Ion Ratio Lower Upper
43 100
58 20.5 0.0 55.4



#14
Carbon disulfide
Concen: 0.196 ug/L
RT: 2.81 min Scan# 457
Delta R.T. 0.00 min
Lab File: VU040018.D
Acq: 02 Sep 2020 11:47

Tgt Ion: 76 Resp: 5318
Ion Ratio Lower Upper
76 100
78 15.6 7.2 10.8#

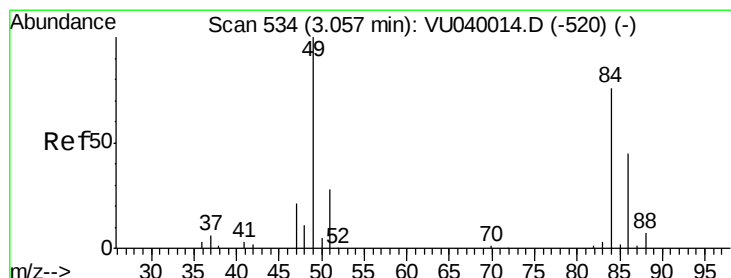
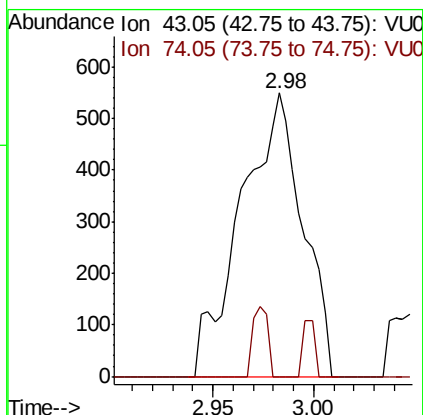
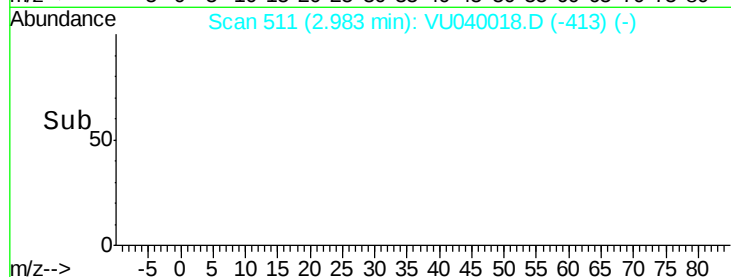
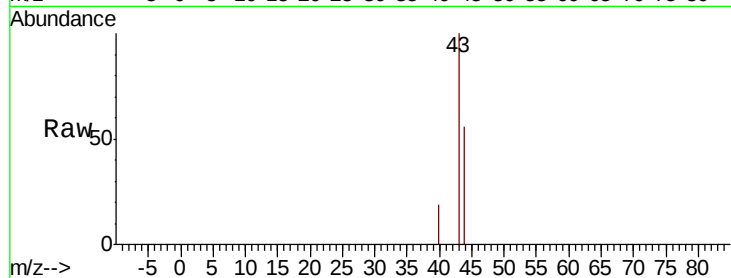




#15
Methyl Acetate
Concen: 0.210 ug/L
RT: 2.98 min Scan# 511
Delta R.T. 0.02 min
Lab File: VU040018.D
Acq: 02 Sep 2020 11:47

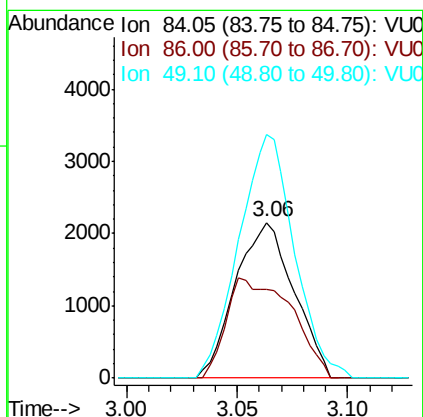
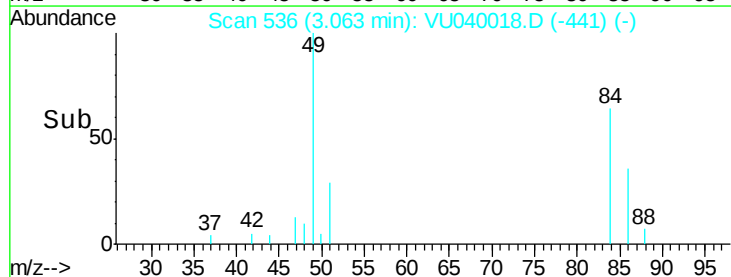
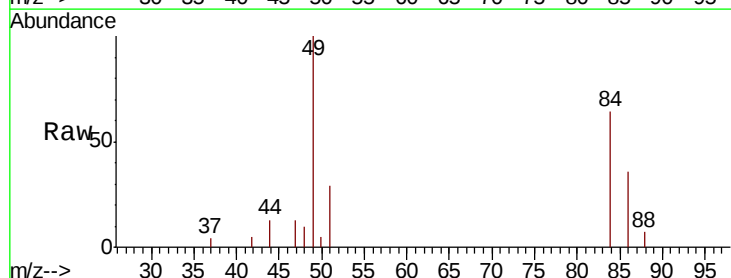
Instrument :
MSVOA_U
ClientSampled :

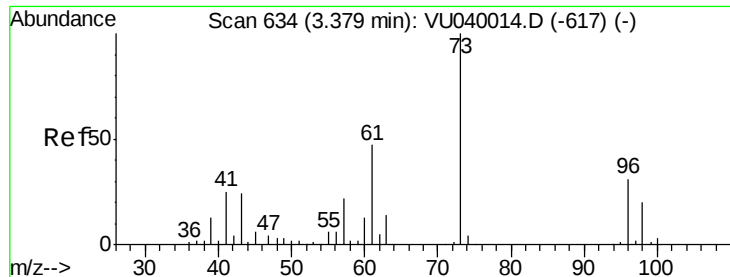
Tot Ion: 43 Resp: 1163
Ion Ratio Lower Upper
43 100
74 6.1 17.4 26.0#



#16
Methylene chloride
Concen: 0.357 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.01 min
Lab File: VU040018.D
Acq: 02 Sep 2020 11:47

Tgt Ion: 84 Resp: 3960
Ion Ratio Lower Upper
84 100
86 56.7 45.2 84.0
49 156.5 104.0 193.2

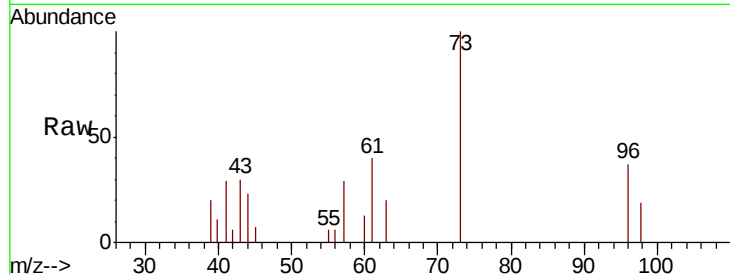




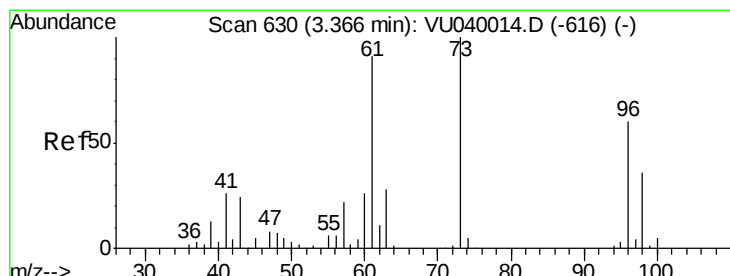
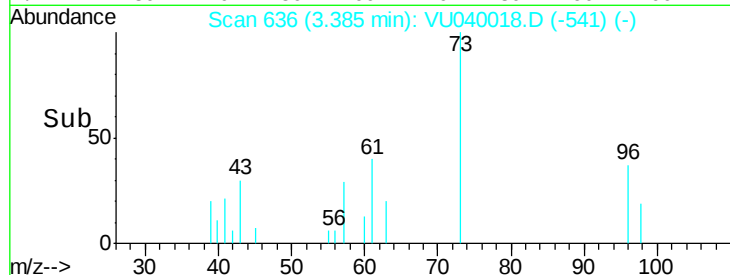
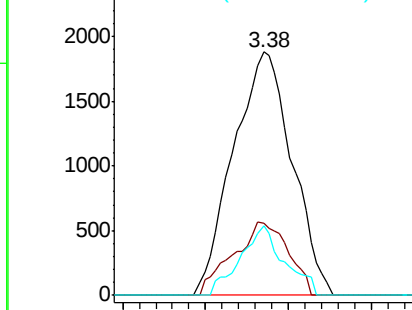
#17
Methvl tert-butvl Ether
Concen: 0.182 ug/L
RT: 3.38 min Scan# 636
Delta R.T. 0.01 min
Lab File: VU040018.D
Acq: 02 Sep 2020 11:47

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 4629
Ion Ratio Lower Upper
73 100
43 28.2 19.1 28.7
57 21.3 18.3 27.5

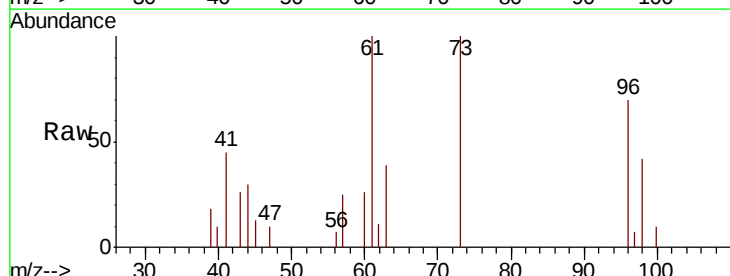


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

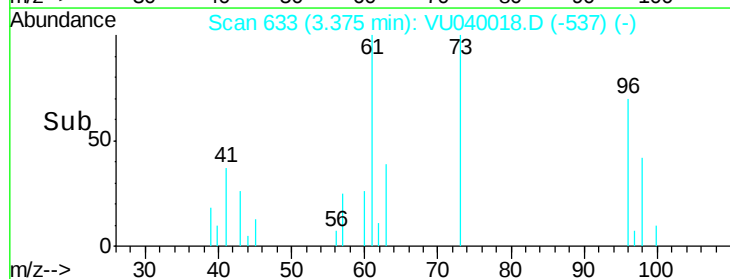
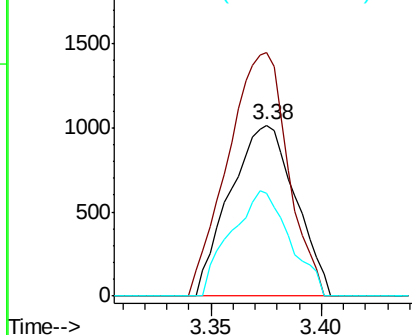


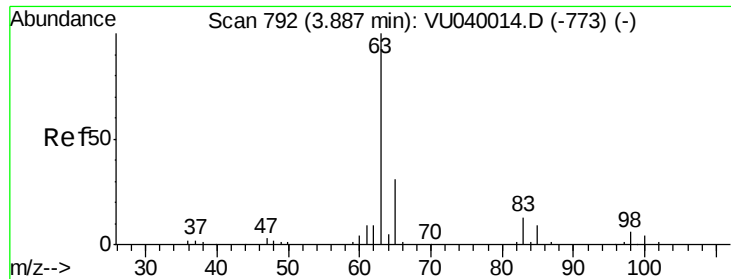
#18
trans-1,2-Dichloroethene
Concen: 0.230 ug/L
RT: 3.38 min Scan# 633
Delta R.T. 0.01 min
Lab File: VU040018.D
Acq: 02 Sep 2020 11:47

Tgt Ion: 96 Resp: 2090
Ion Ratio Lower Upper
96 100
61 142.6 110.5 205.3
98 60.0 43.2 80.2



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

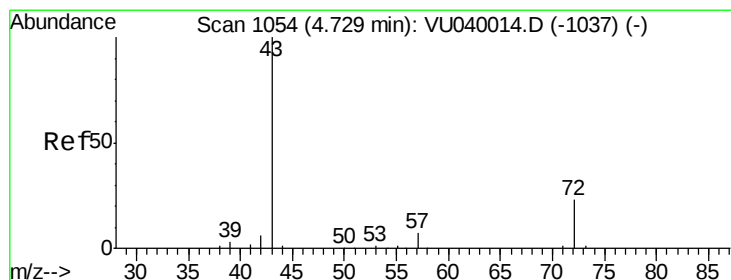
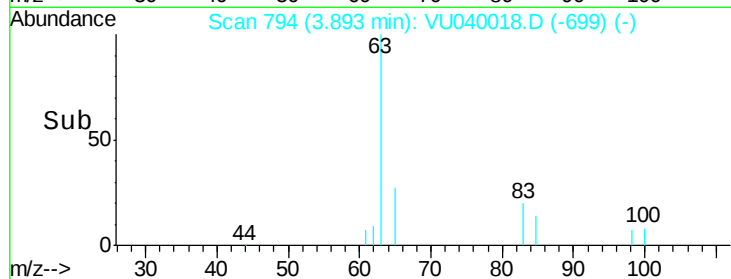
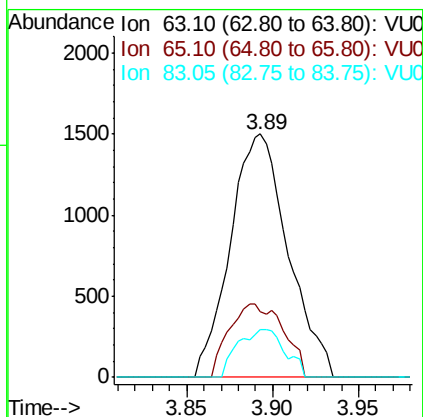
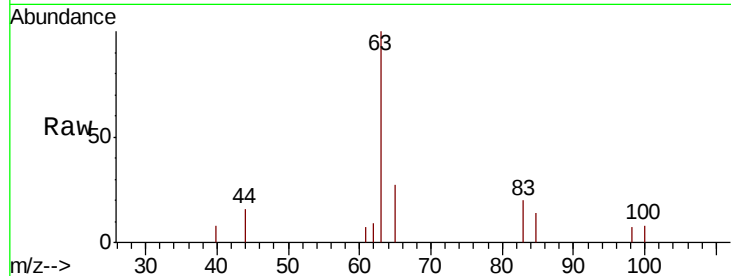




#19
 1,1-Dichloroethane
 Concen: 0.187 ug/L
 RT: 3.89 min Scan# 794
 Delta R.T. 0.01 min
 Lab File: VU040018.D
 Acq: 02 Sep 2020 11:47

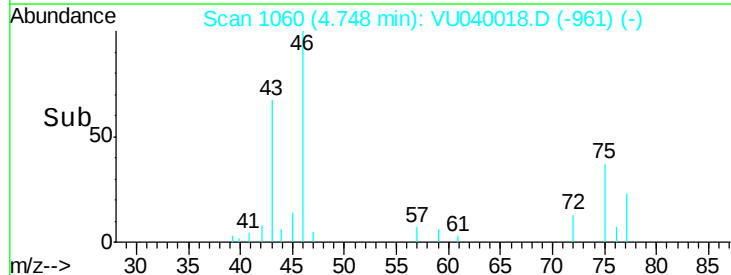
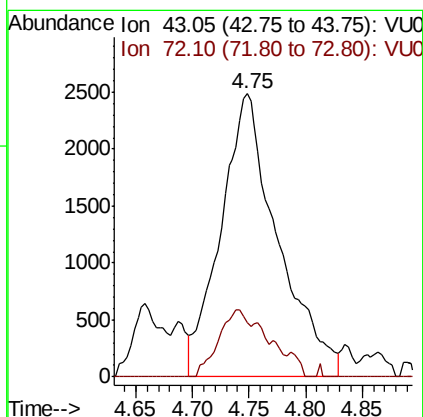
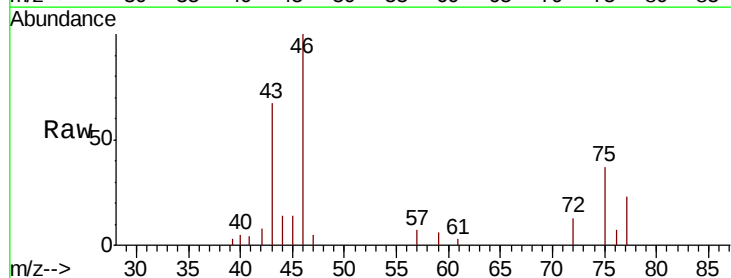
Instrument :
 MSVOA_U
 ClientSampleId :

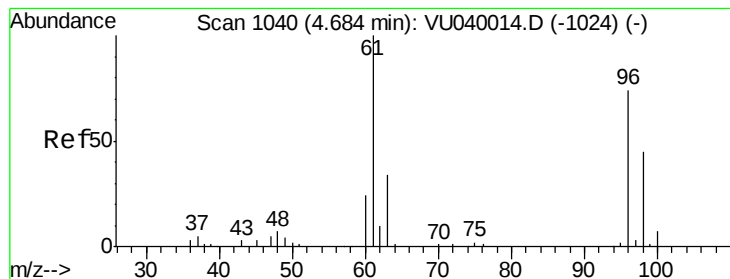
Tot Ion: 63 Resp: 3495
 Ion Ratio Lower Upper
 63 100
 65 27.0 22.2 41.2
 83 19.9 9.4 17.6#



#21
 2-Butanone
 Concen: 2.416 ug/L
 RT: 4.75 min Scan# 1060
 Delta R.T. 0.02 min
 Lab File: VU040018.D
 Acq: 02 Sep 2020 11:47

Tgt Ion: 43 Resp: 8718
 Ion Ratio Lower Upper
 43 100
 72 12.4 11.7 35.0





#22

cis-1,2-Dichloroethene

Concen: 0.212 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040018.D

Acq: 02 Sep 2020 11:47

Instrument :
MSVOA_U
ClientSampleId :

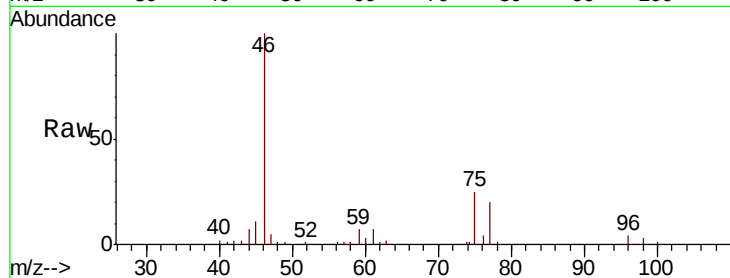
Tot Ion: 96 Resp: 2075

Ion Ratio Lower Upper

96 100

61 172.0 98.8 183.4

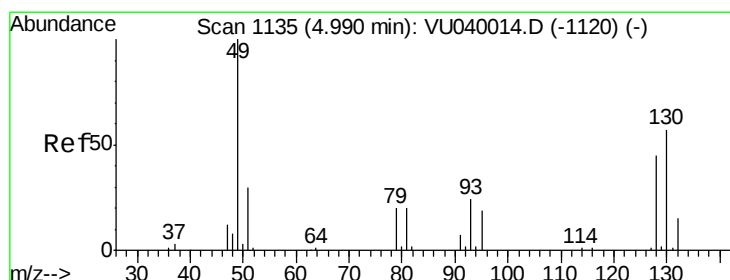
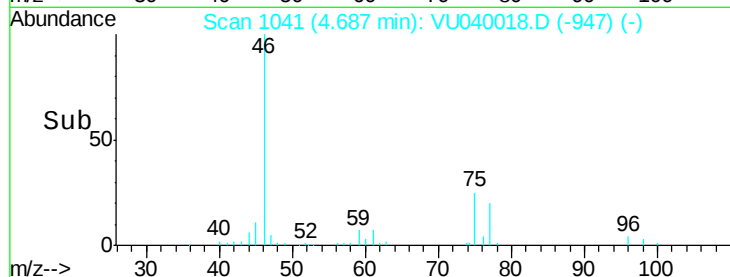
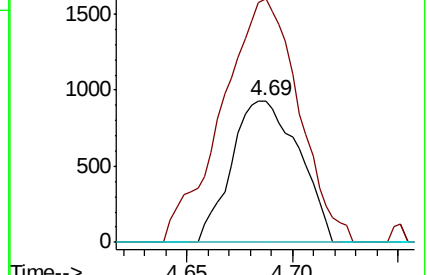
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040018.D (-1024) (-)

Ion 61.05 (60.75 to 61.75): VU040018.D (-1024) (-)

Ion 68.15 (67.85 to 68.85): VU040018.D (-1024) (-)



#23

Bromochloromethane

Concen: 0.187 ug/L

RT: 5.00 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VU040018.D

Acq: 02 Sep 2020 11:47

Tgt Ion: 128 Resp: 801

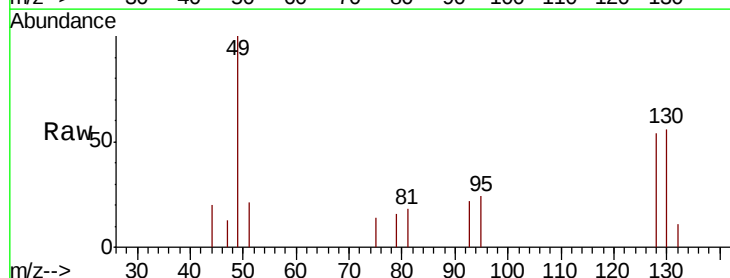
Ion Ratio Lower Upper

128 100

49 185.5 143.4 266.4

130 104.7 89.5 166.3

51 38.4 51.0 76.4#

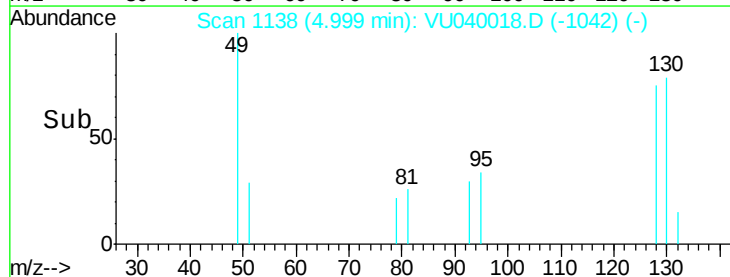
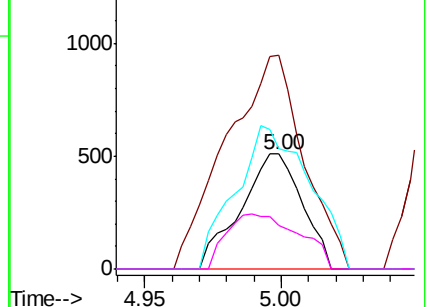


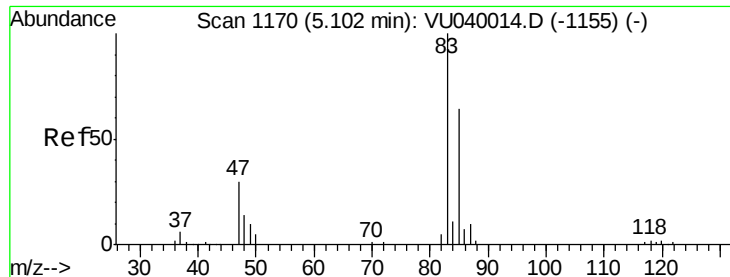
Abundance Ion 127.90 (127.60 to 128.60): VU040018.D (-1120) (-)

Ion 49.10 (48.80 to 49.80): VU040018.D (-1120) (-)

Ion 129.95 (129.65 to 130.65): VU040018.D (-1120) (-)

Ion 51.05 (50.75 to 51.75): VU040018.D (-1120) (-)

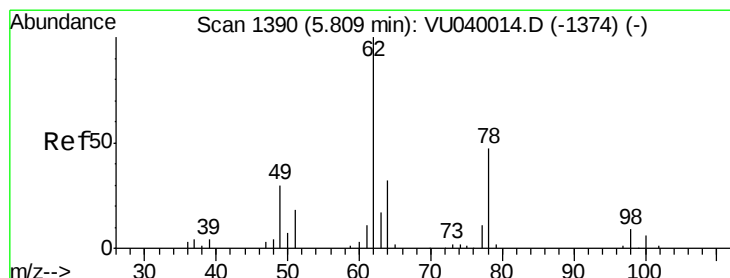
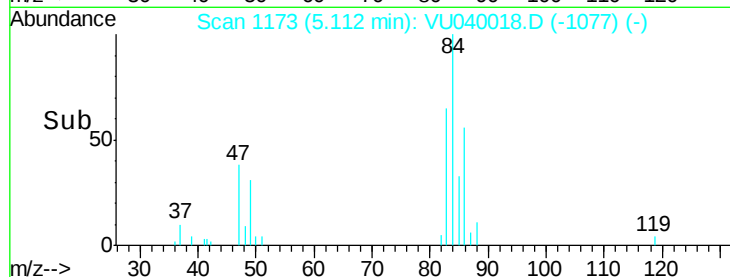
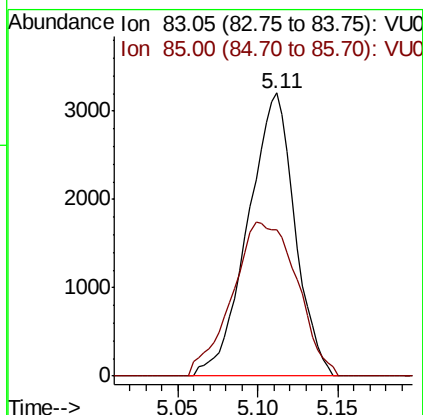
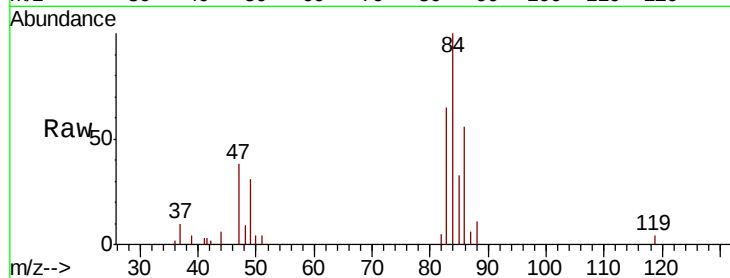




#25
Chloroform
Concen: 0.337 ug/L
RT: 5.11 min Scan# 1173
Delta R.T. 0.01 min
Lab File: VU040018.D
Acq: 02 Sep 2020 11:47

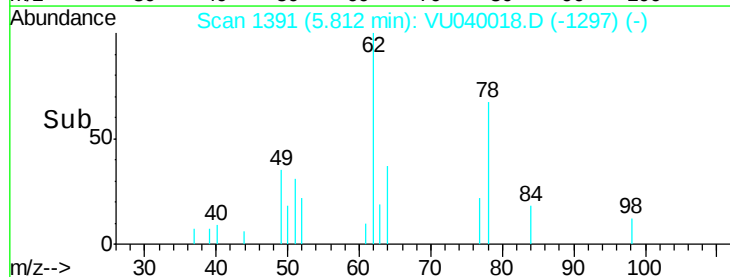
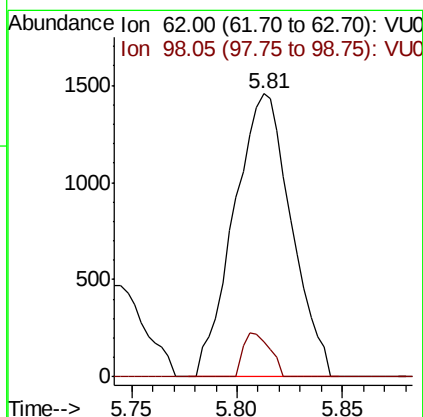
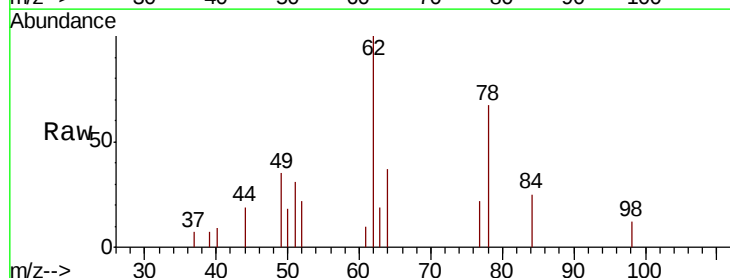
Instrument :
MSVOA_U
ClientSampleId :

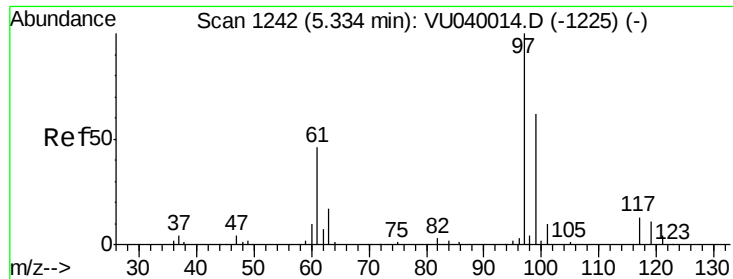
Tot Ion: 83 Resp: 6462
Ion Ratio Lower Upper
83 100
85 51.7 45.3 84.1



#27
1,2-Dichloroethane
Concen: 0.195 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU040018.D
Acq: 02 Sep 2020 11:47

Tgt Ion: 62 Resp: 2747
Ion Ratio Lower Upper
62 100
98 12.3 6.1 9.1#

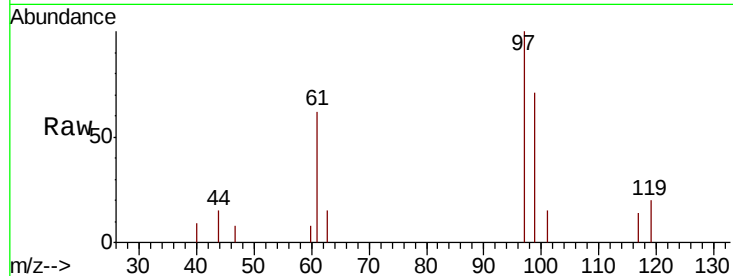




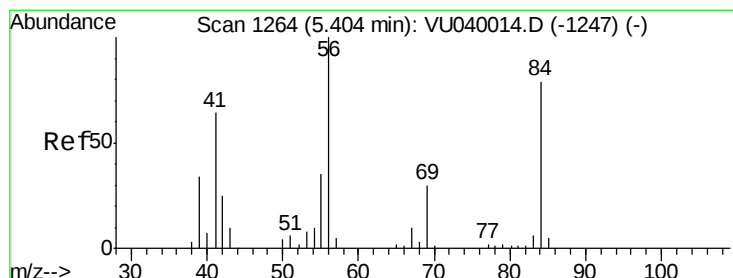
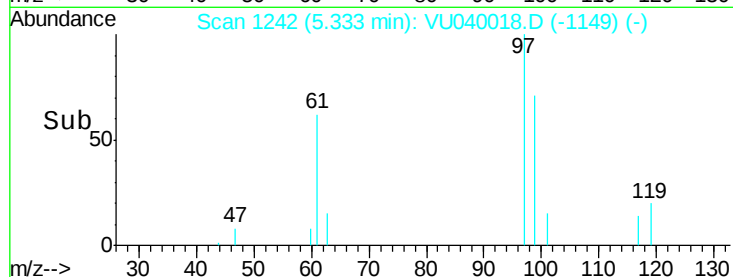
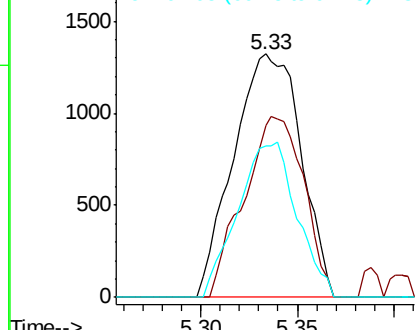
#29
1,1,1-Trichloroethane
Concen: 0.189 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. -0.00 min
Lab File: VU040018.D
Acq: 02 Sep 2020 11:47

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 97 Resp: 3205
Ion Ratio Lower Upper
97 100
99 66.2 50.9 76.3
61 55.7 39.5 59.3

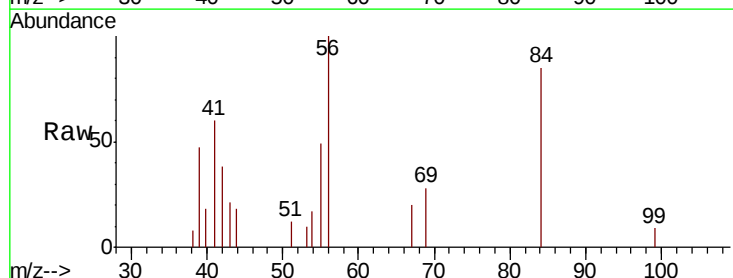


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

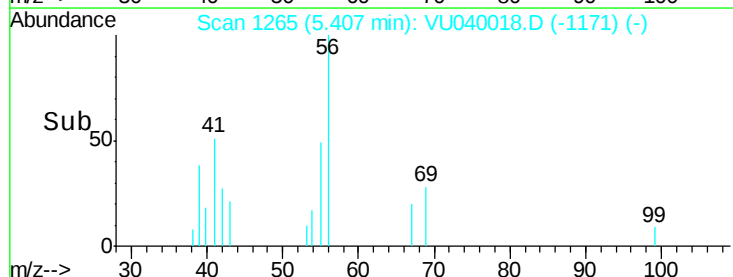
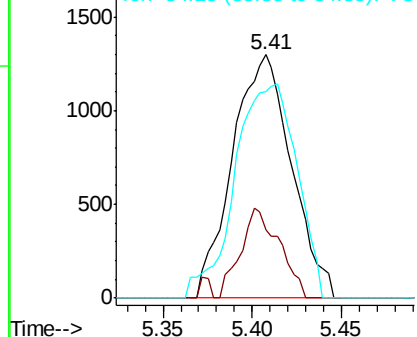


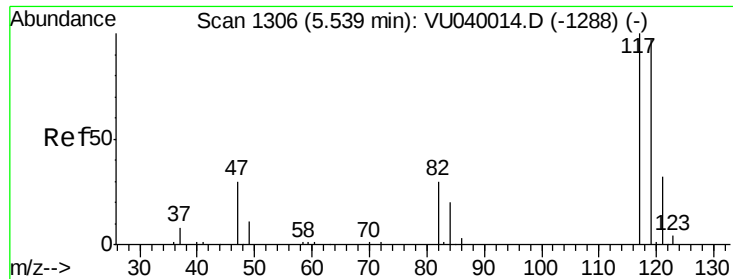
#30
Cyclohexane
Concen: 0.182 ug/L
RT: 5.41 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VU040018.D
Acq: 02 Sep 2020 11:47

Tgt Ion: 56 Resp: 2991
Ion Ratio Lower Upper
56 100
69 24.4 24.1 36.1
84 92.3 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: 0.206 ug/L

RT: 5.54 min Scan# 1305

Delta R.T. -0.00 min

Lab File: VU040018.D

Acq: 02 Sep 2020 11:47

Instrument :

MSVOA_U

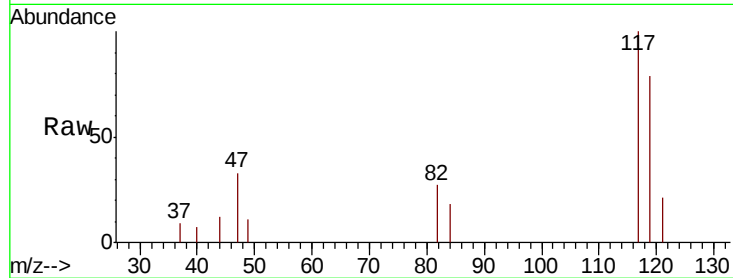
ClientSampleId :

Tot Ion:117 Resp: 2988

Ion Ratio Lower Upper

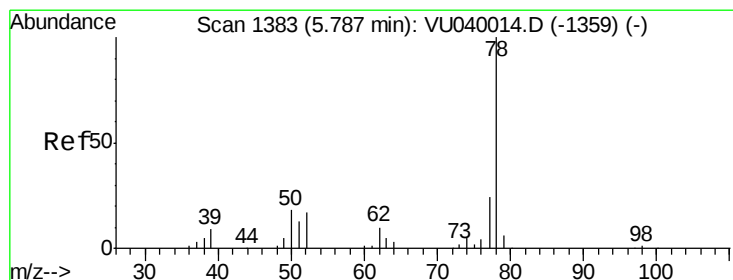
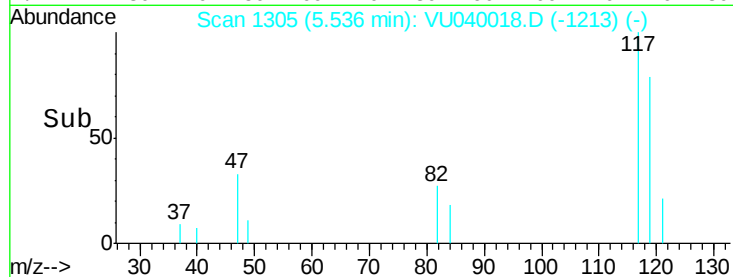
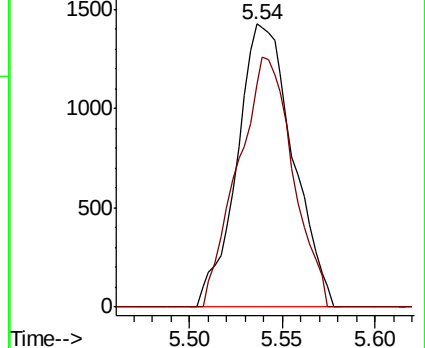
117 100

119 87.0 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.196 ug/L

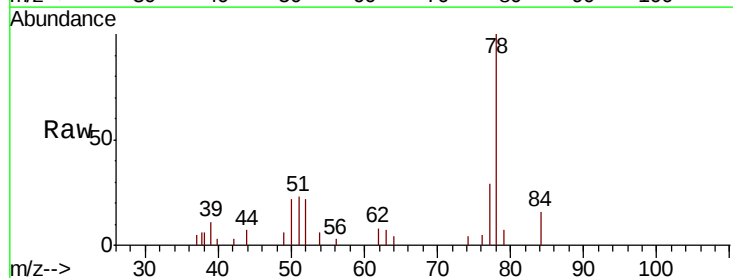
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

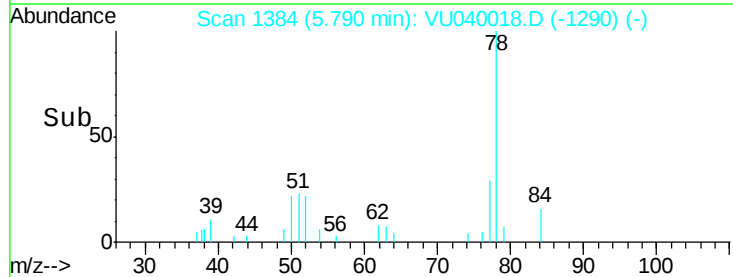
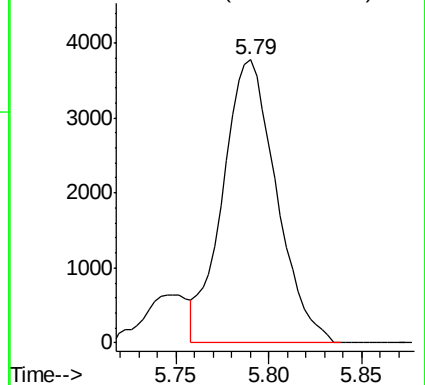
Lab File: VU040018.D

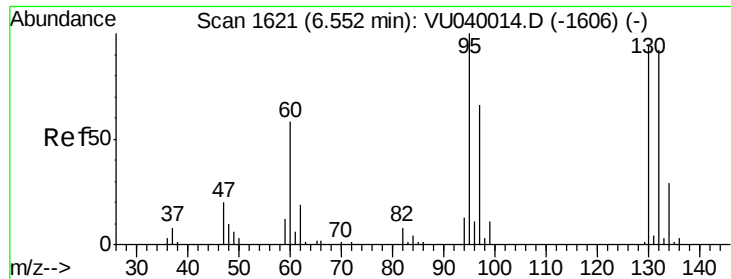
Acq: 02 Sep 2020 11:47

Tgt Ion: 78 Resp: 7588



Abundance Ion 78.10 (77.80 to 78.80): VU0

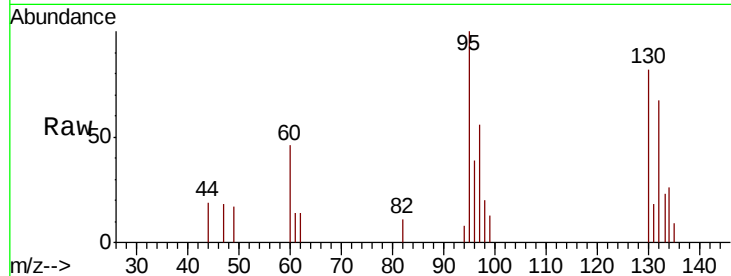




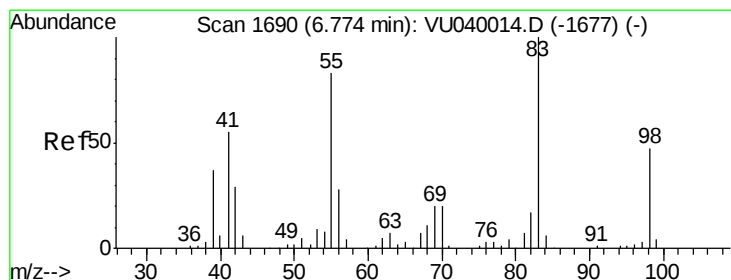
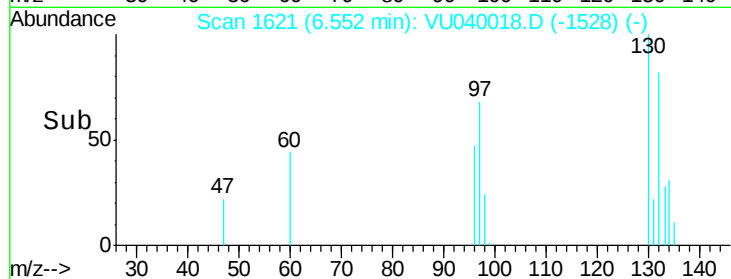
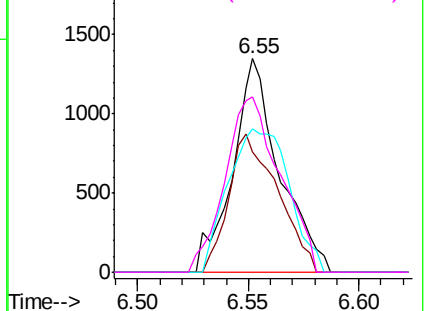
#34
 Trichloroethene
 Concen: 0.191 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040018.D
 Acq: 02 Sep 2020 11:47

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:	95	Resp:	1986
Ion	Ratio	Lower	Upper
95	100		
97	56.2	43.3	80.5
132	67.2	59.4	110.4
130	82.1	64.8	120.4

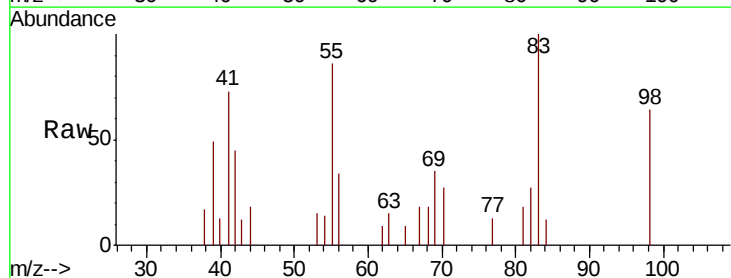


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

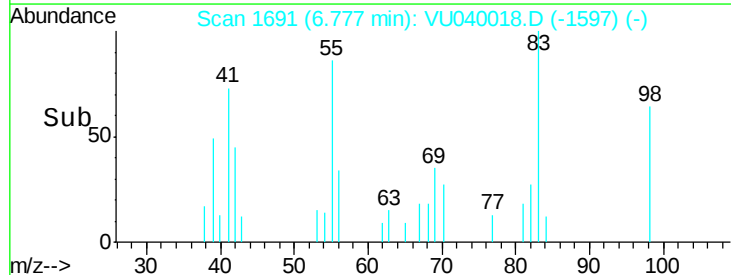
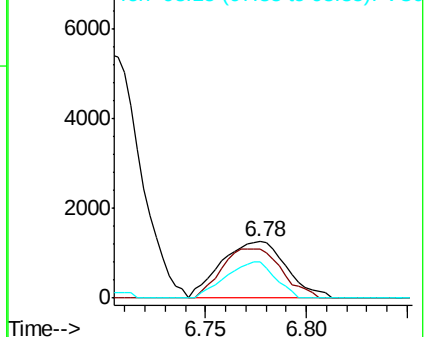


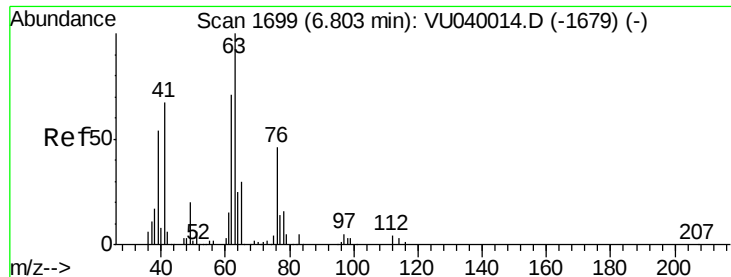
#35
 Methylcyclohexane
 Concen: 0.179 ug/L
 RT: 6.78 min Scan# 1691
 Delta R.T. 0.00 min
 Lab File: VU040018.D
 Acq: 02 Sep 2020 11:47

Tgt Ion:	83	Resp:	2837
Ion	Ratio	Lower	Upper
83	100		
55	80.0	70.5	105.7
98	48.6	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

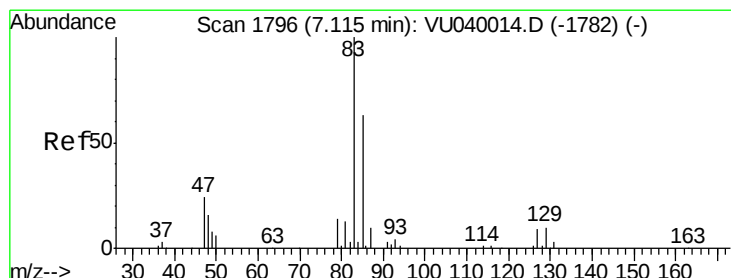
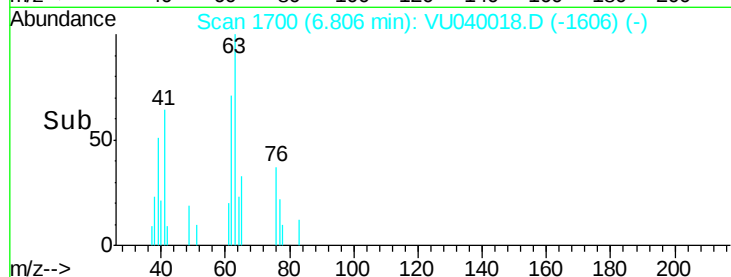
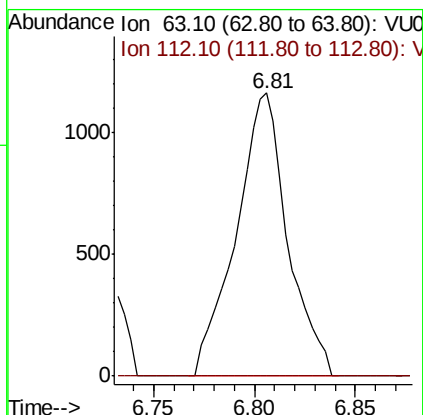
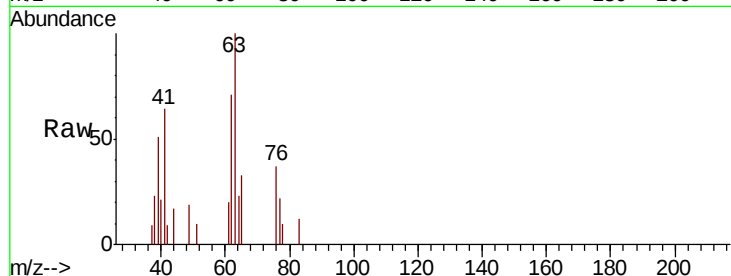




#37
 1,2-Dichloropropane
 Concen: 0.198 ug/L
 RT: 6.81 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VU040018.D
 Acq: 02 Sep 2020 11:47

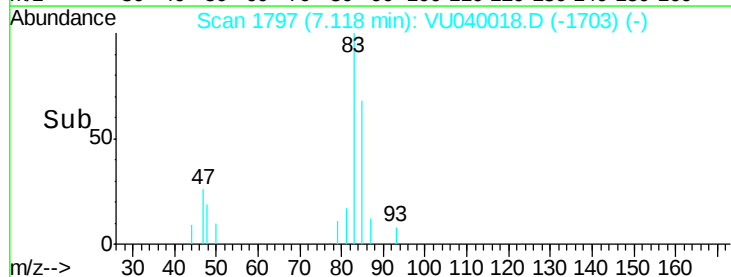
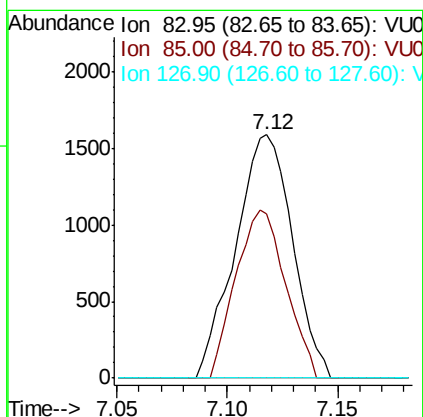
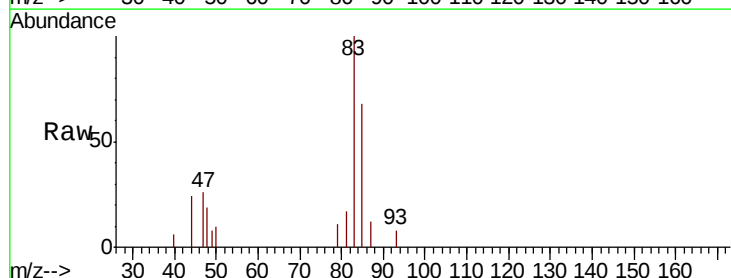
Instrument :
 MSVOA_U
 ClientSampled :

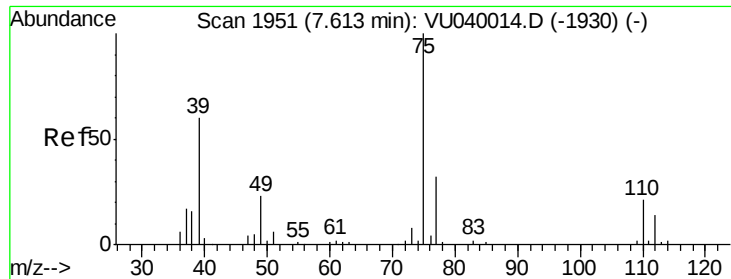
Tot Ion: 63 Resp: 2072
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#



#38
 Bromodichloromethane
 Concen: 0.199 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VU040018.D
 Acq: 02 Sep 2020 11:47

Tgt Ion: 83 Resp: 2850
 Ion Ratio Lower Upper
 83 100
 85 67.5 45.1 83.9
 127 0.0 6.7 10.1#

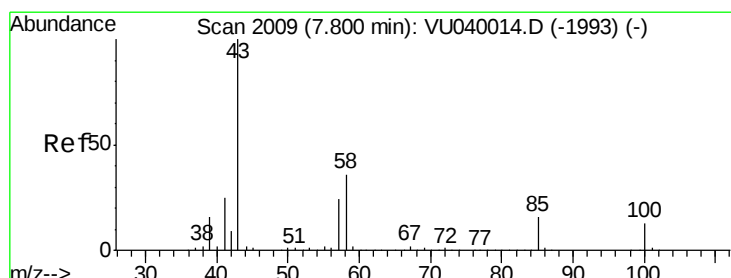
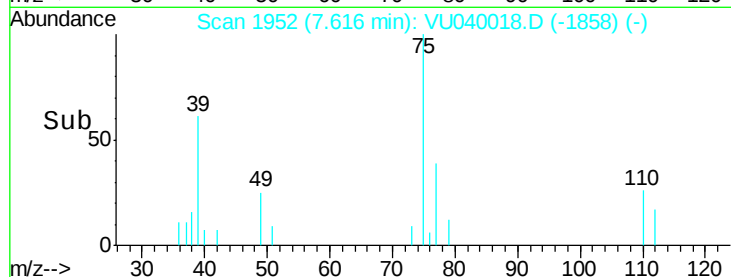
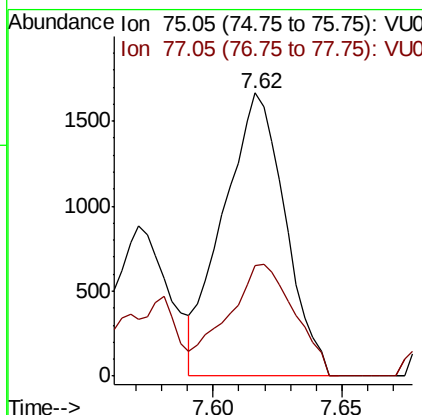
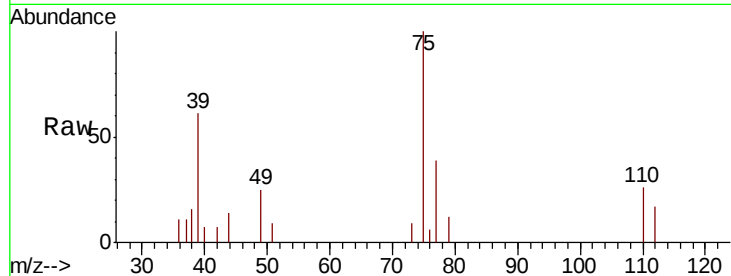




#39
 cis-1,3-Dichloropropene
 Concen: 0.180 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU040018.D
 Acq: 02 Sep 2020 11:47

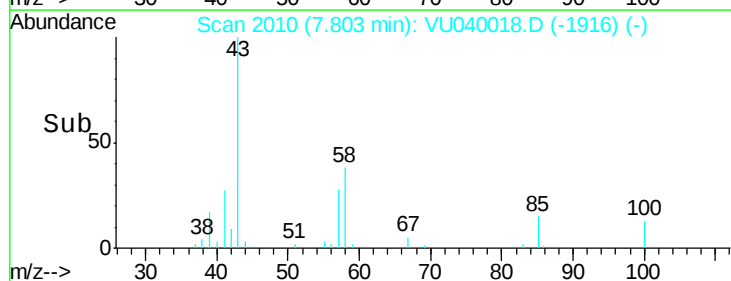
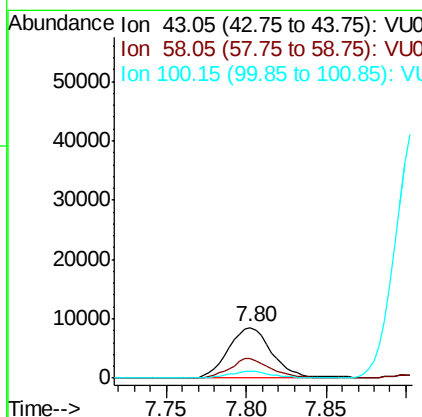
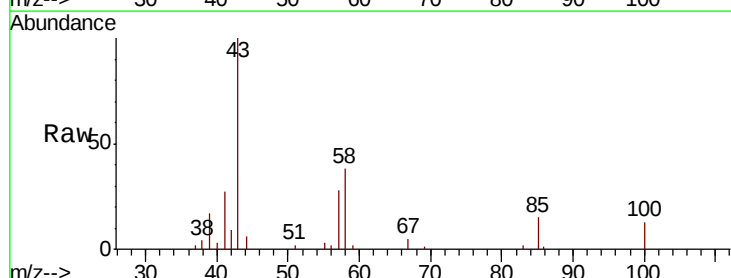
Instrument :
 MSVOA_U
 ClientSampled :

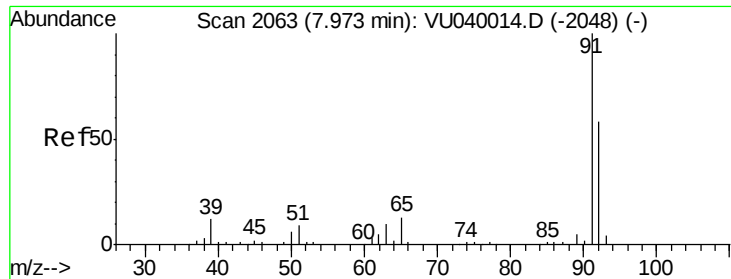
Tot Ion: 75 Resp: 2787
 Ion Ratio Lower Upper
 75 100
 77 39.1 21.1 39.3



#40
 4-Methyl-2-pentanone
 Concen: 1.849 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU040018.D
 Acq: 02 Sep 2020 11:47

Tgt Ion: 43 Resp: 15886
 Ion Ratio Lower Upper
 43 100
 58 35.1 28.7 43.1
 100 0.0 10.2 15.2#





#42

Toluene

Concen: 0.194 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040018.D

Acq: 02 Sep 2020 11:47

Instrument :

MSVOA_U

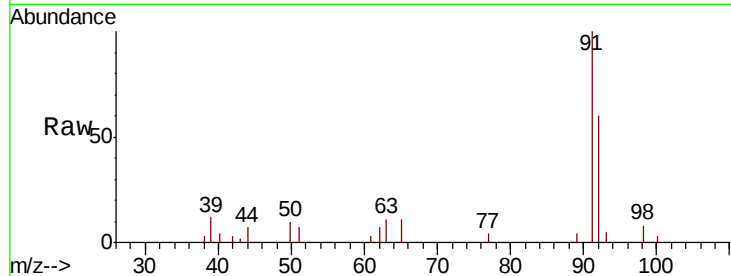
ClientSampleId :

Tot Ion: 91 Resp: 7745

Ion Ratio Lower Upper

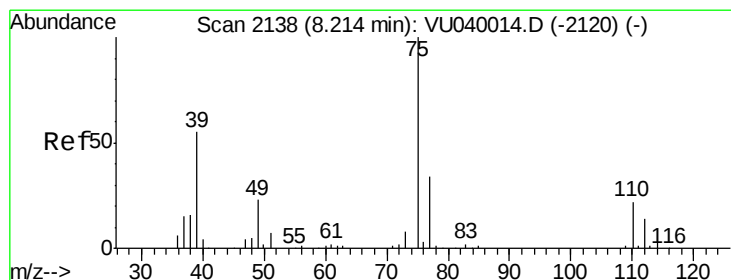
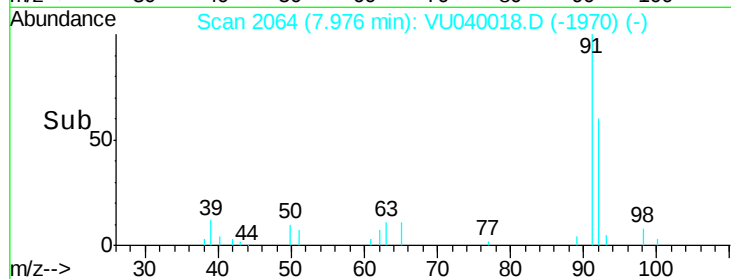
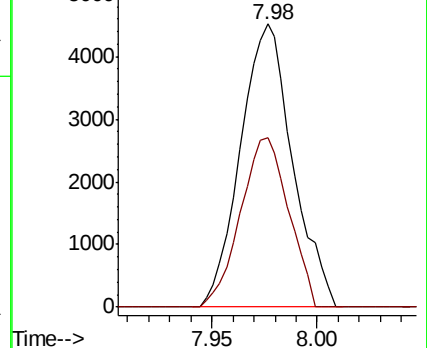
91 100

92 59.8 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.184 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU040018.D

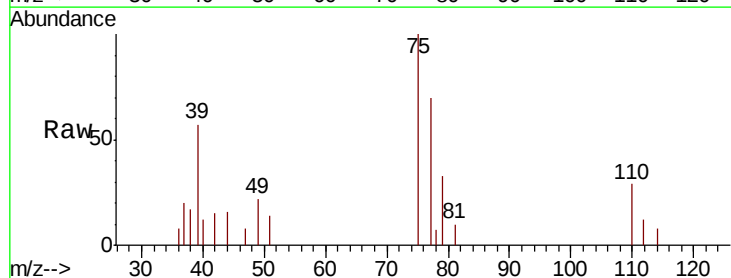
Acq: 02 Sep 2020 11:47

Tgt Ion: 75 Resp: 2637

Ion Ratio Lower Upper

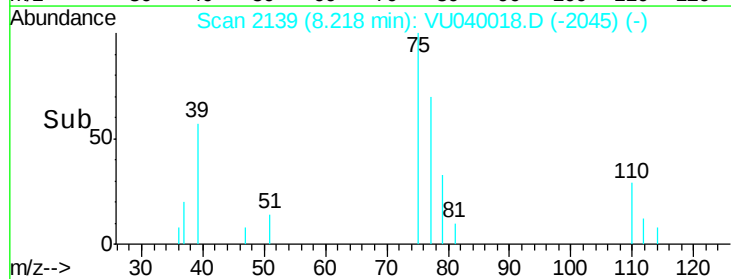
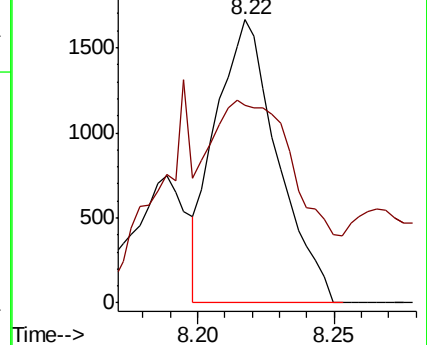
75 100

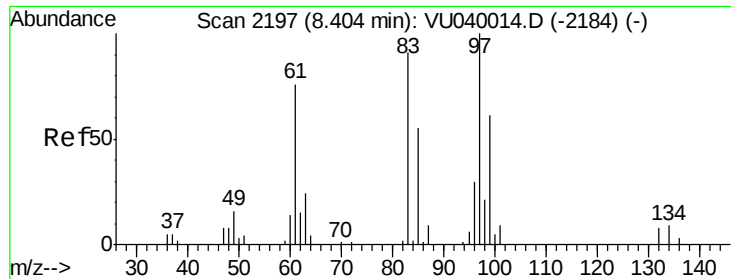
77 69.9 23.9 44.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

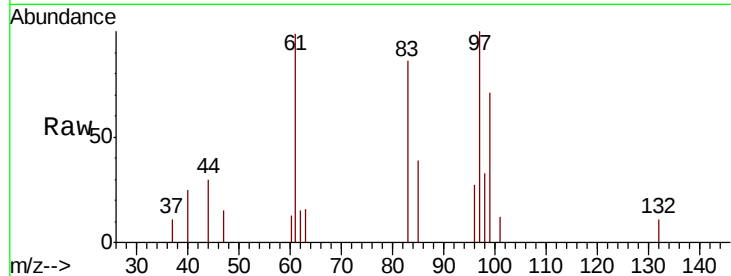




#45
 1,1,2-Trichloroethane
 Concen: 0.196 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU040018.D
 Acq: 02 Sep 2020 11:47

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:	97	Resp:	1493
Ion	Ratio	Lower	Upper
97	100		
99	71.2	43.0	79.8
83	86.0	61.7	114.7
85	39.3	39.3	73.1



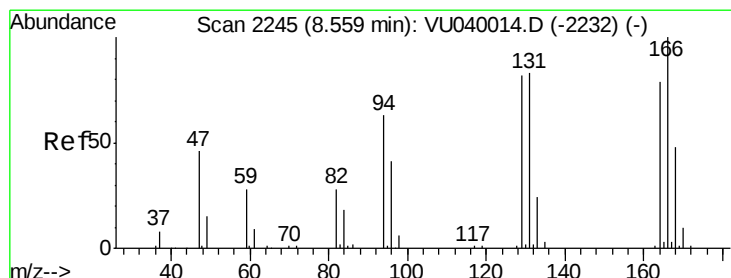
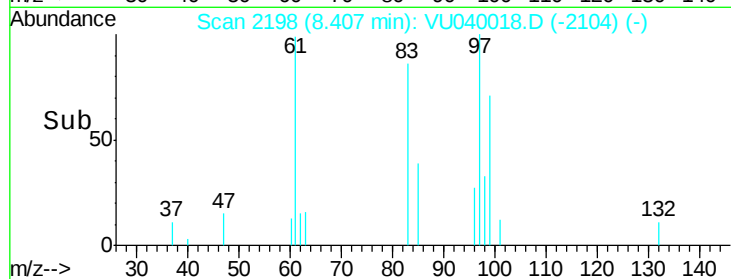
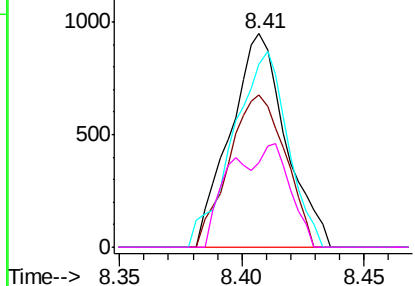
Abundance

Ion 96.95 (96.65 to 97.65): VU040018.D (-2194) (-)

Ion 99.05 (98.75 to 99.75): VU040018.D (-2194) (-)

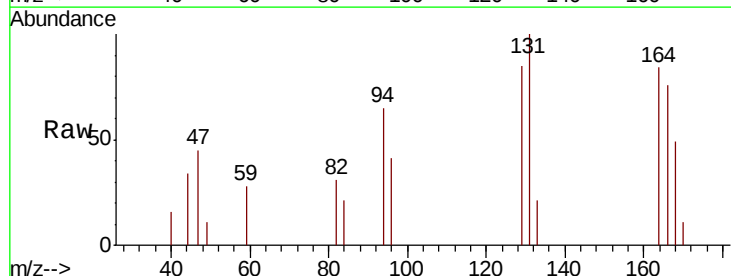
Ion 82.95 (82.65 to 83.65): VU040018.D (-2194) (-)

Ion 85.00 (84.70 to 85.70): VU040018.D (-2194) (-)



#47
 Tetrachloroethene
 Concen: 0.183 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VU040018.D
 Acq: 02 Sep 2020 11:47

Tgt Ion:	164	Resp:	1249
Ion	Ratio	Lower	Upper
164	100		
129	101.2	71.5	132.7
131	119.0	65.9	122.5
166	90.2	87.3	162.1



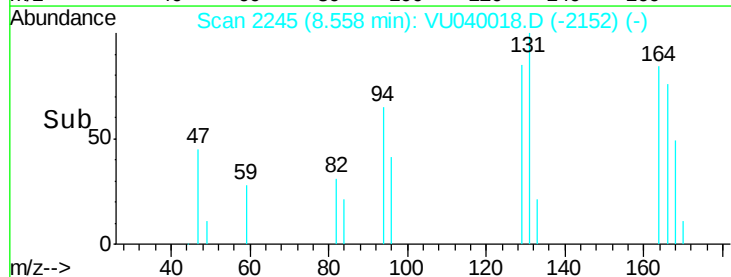
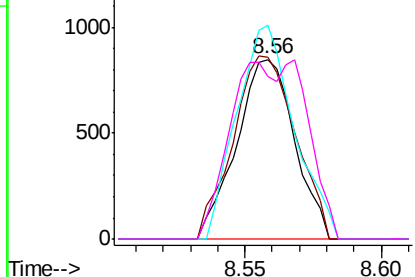
Abundance

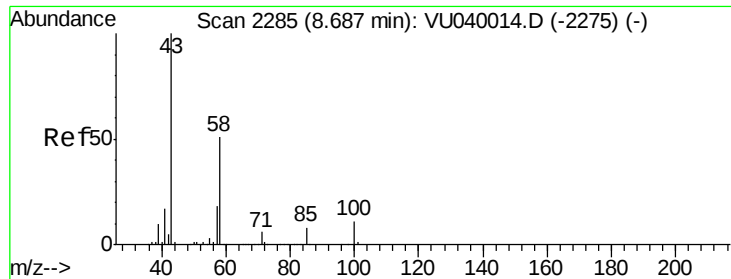
Ion 163.90 (163.60 to 164.60): VU040018.D (-2245) (-)

Ion 128.95 (128.65 to 129.65): VU040018.D (-2245) (-)

Ion 130.95 (130.65 to 131.65): VU040018.D (-2245) (-)

Ion 165.90 (165.60 to 166.60): VU040018.D (-2245) (-)

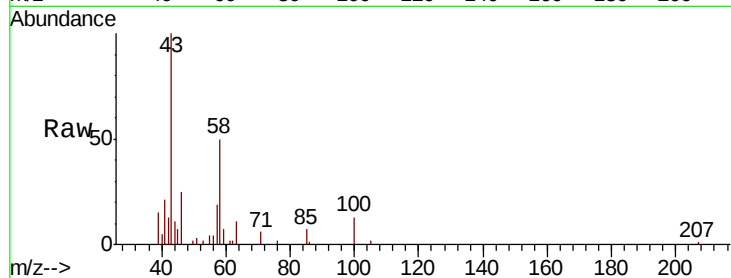




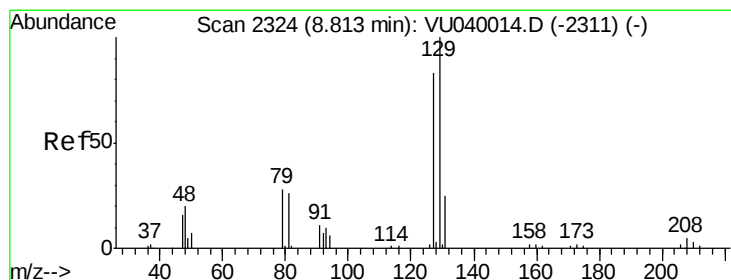
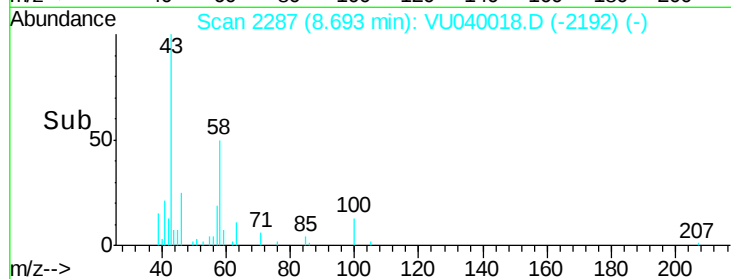
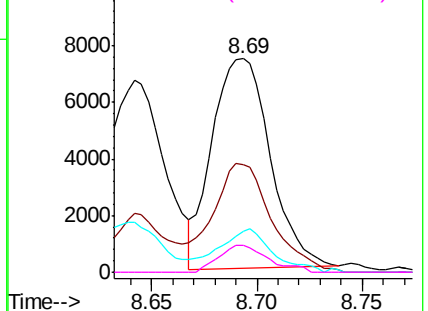
#48
2-Hexanone
Concen: 2.258 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. 0.01 min
Lab File: VU040018.D
Acq: 02 Sep 2020 11:47

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 14148
Ion Ratio Lower Upper
43 100
58 53.3 39.6 59.4
57 19.1 14.3 21.5
100 10.9 8.0 12.0

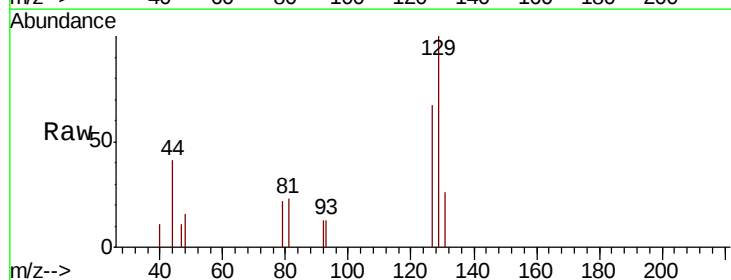


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

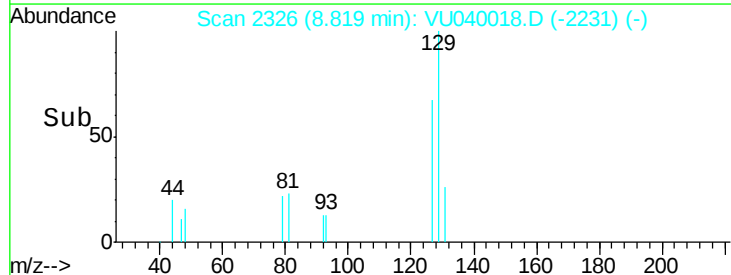
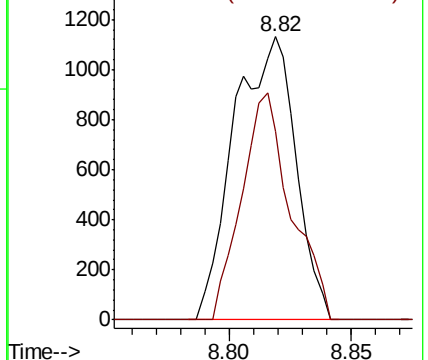


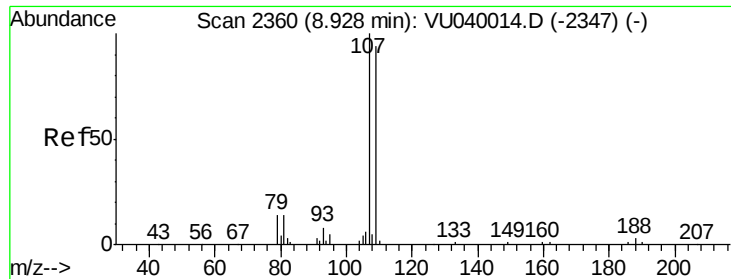
#49
Dibromochloromethane
Concen: 0.218 ug/L
RT: 8.82 min Scan# 2326
Delta R.T. 0.01 min
Lab File: VU040018.D
Acq: 02 Sep 2020 11:47

Tgt Ion: 129 Resp: 1996
Ion Ratio Lower Upper
129 100
127 66.7 53.7 99.7



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

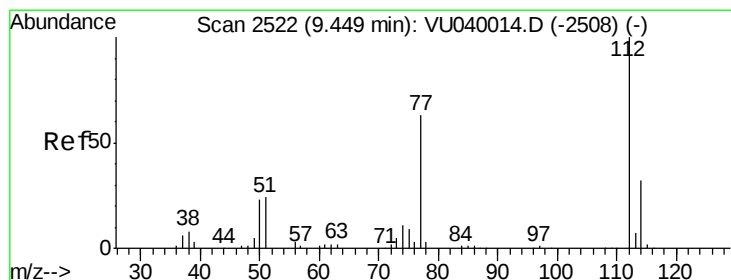
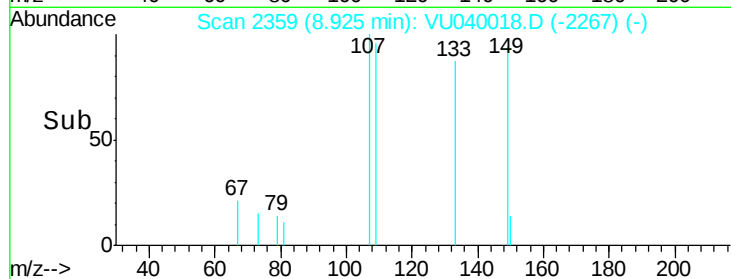
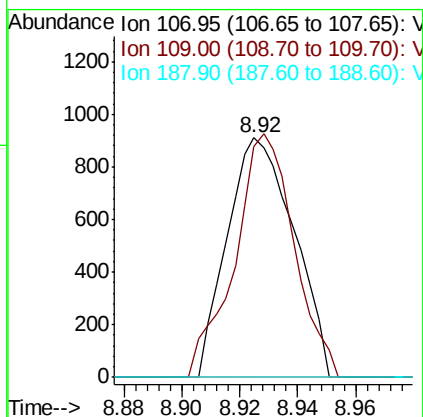
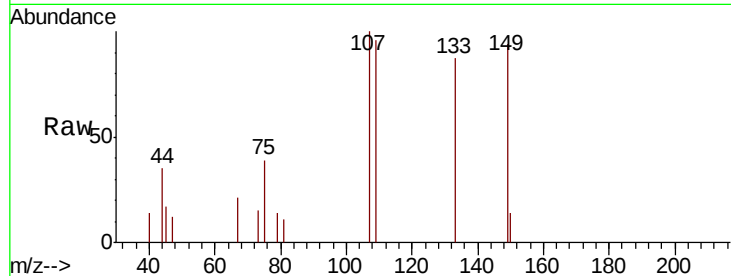




#50
 1,2-Dibromoethane
 Concen: 0.197 ug/L
 RT: 8.92 min Scan# 2359
 Delta R.T. -0.00 min
 Lab File: VU040018.D
 Acq: 02 Sep 2020 11:47

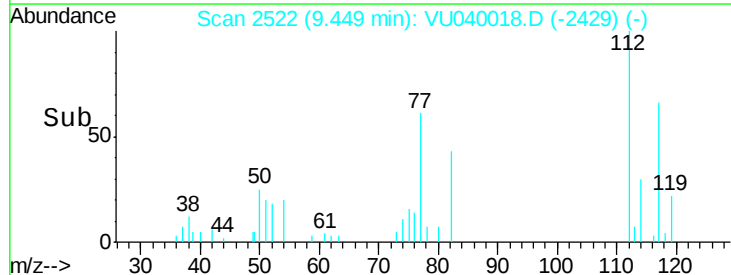
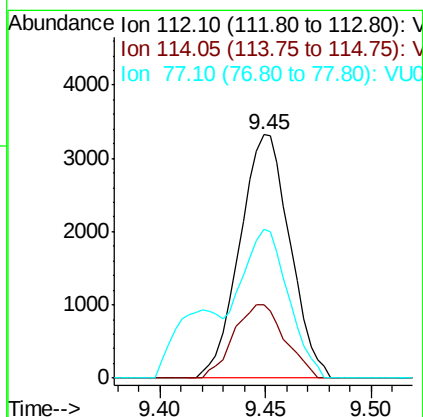
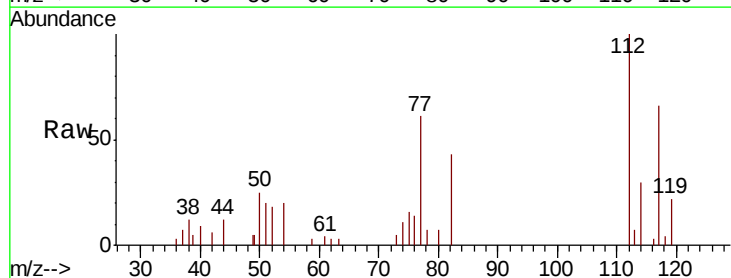
Instrument :
 MSVOA_U
 ClientSampleId :

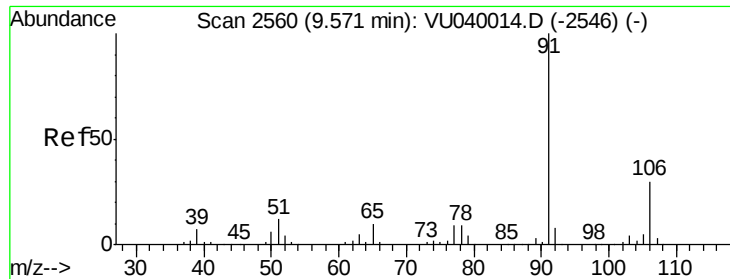
Tot Ion:107 Resp: 1450
 Ion Ratio Lower Upper
 107 100
 109 96.2 62.4 115.8
 188 0.0 2.3 3.5#



#51
 Chlorobenzene
 Concen: 0.222 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU040018.D
 Acq: 02 Sep 2020 11:47

Tgt Ion:112 Resp: 5491
 Ion Ratio Lower Upper
 112 100
 114 30.1 22.7 42.3
 77 61.4 53.2 79.8





#52

Ethylbenzene

Concen: 0.180 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040018.D

Acq: 02 Sep 2020 11:47

Instrument :

MSVOA_U

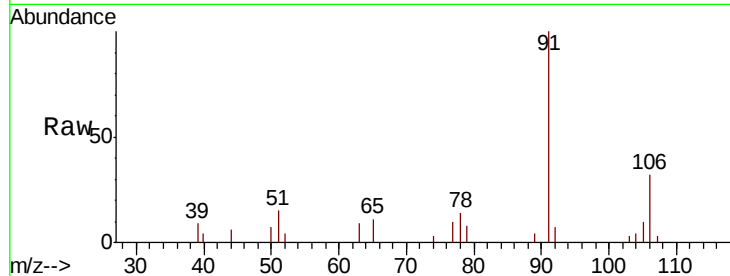
ClientSampled :

Tot Ion: 91 Resp: 8134

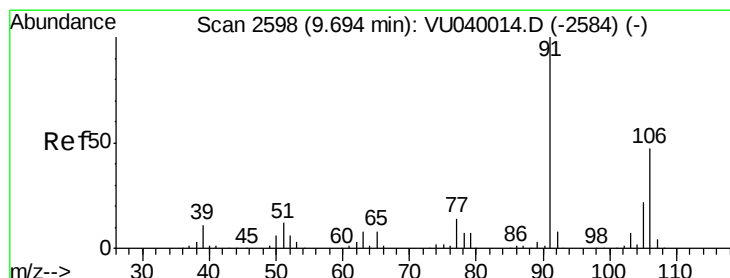
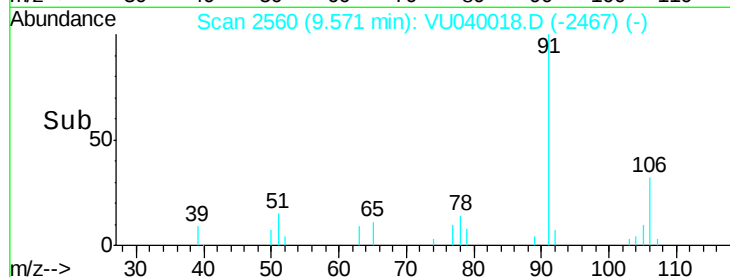
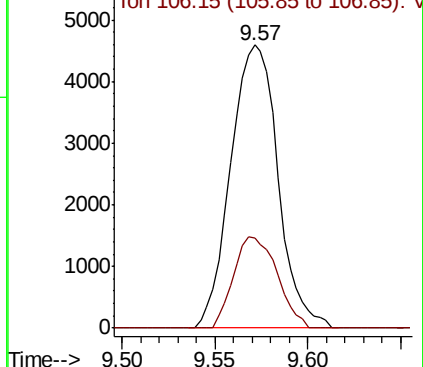
Ion Ratio Lower Upper

91 100

106 31.9 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU040018.D (-2546) (-)



#53

m,p-Xylene

Concen: 0.181 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040018.D

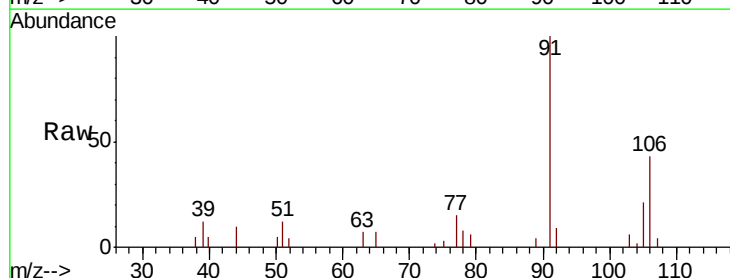
Acq: 02 Sep 2020 11:47

Tgt Ion: 106 Resp: 2914

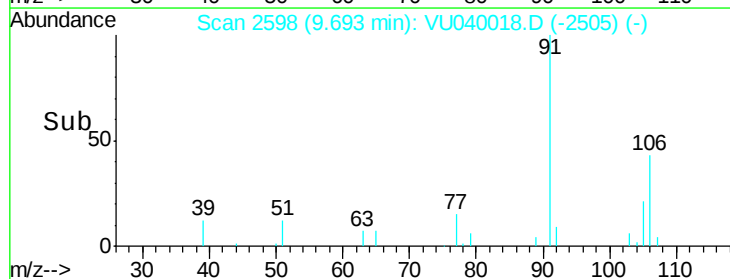
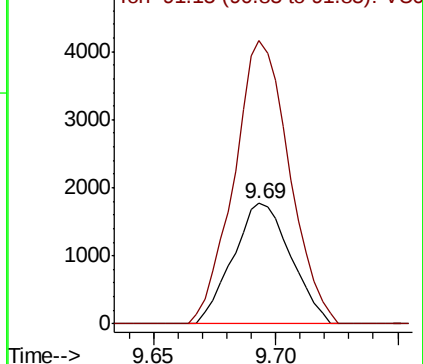
Ion Ratio Lower Upper

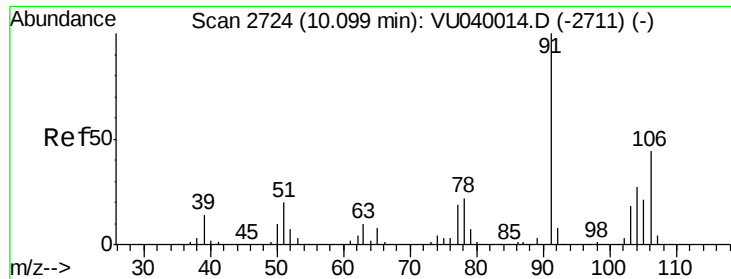
106 100

91 235.1 151.7 281.7



Abundance Ion 106.15 (105.85 to 106.85): VU040018.D (-2584) (-)

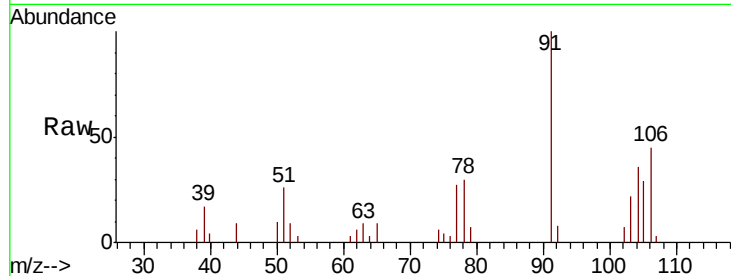




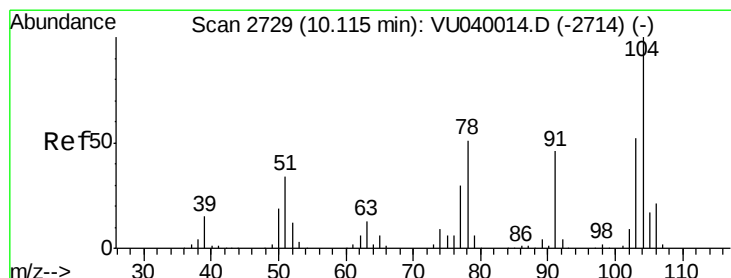
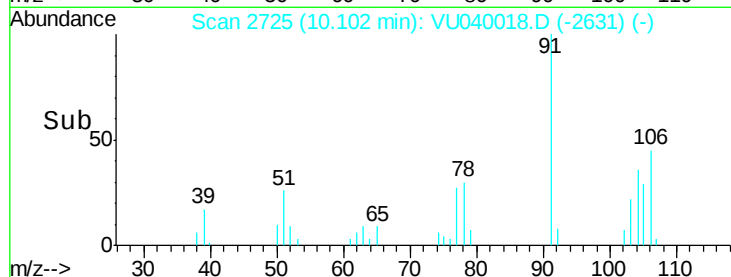
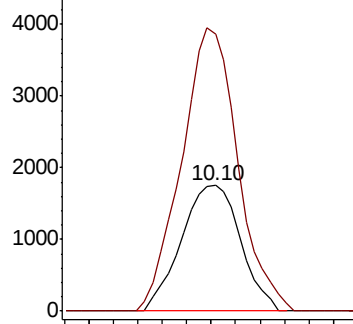
#54
o-Xylene
Concen: 0.192 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040018.D
Acq: 02 Sep 2020 11:47

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 2946
Ion Ratio Lower Upper
106 100
91 220.1 160.8 298.6

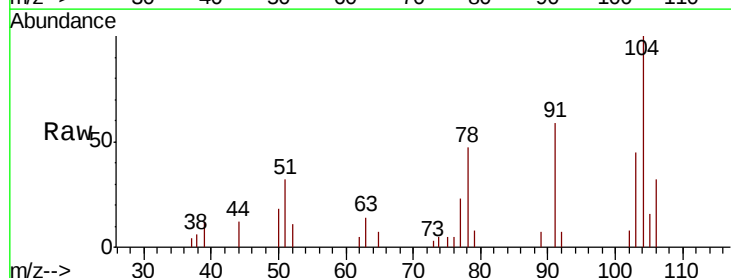


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

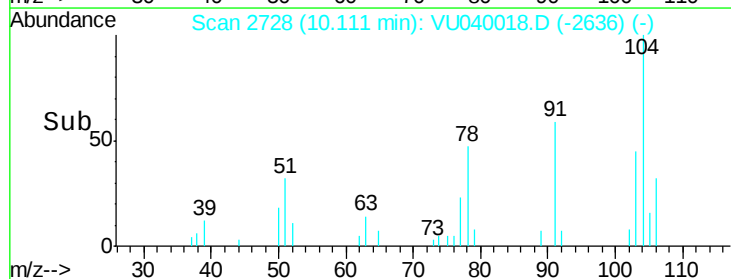
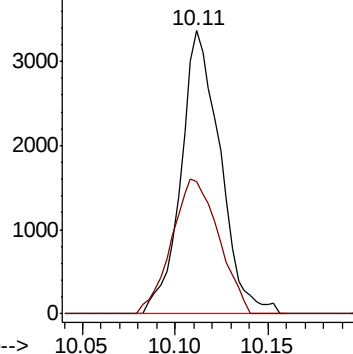


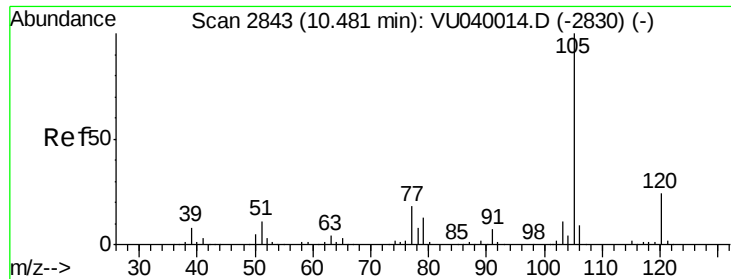
#55
Styrene
Concen: 0.185 ug/L
RT: 10.11 min Scan# 2728
Delta R.T. -0.00 min
Lab File: VU040018.D
Acq: 02 Sep 2020 11:47

Tgt Ion:104 Resp: 4941
Ion Ratio Lower Upper
104 100
78 46.8 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: 0.171 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040018.D

Acq: 02 Sep 2020 11:47

Instrument :

MSVOA_U

ClientSampled :

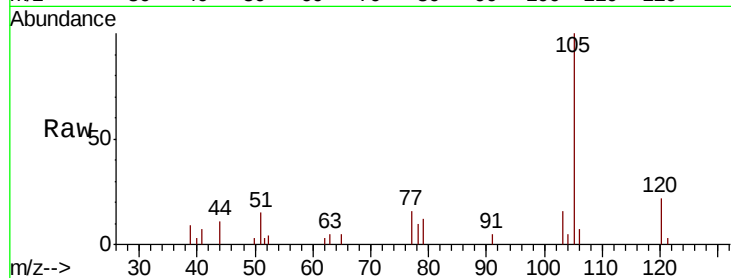
Tot Ion:105 Resp: 7172

Ion Ratio Lower Upper

105 100

120 23.3 20.1 30.1

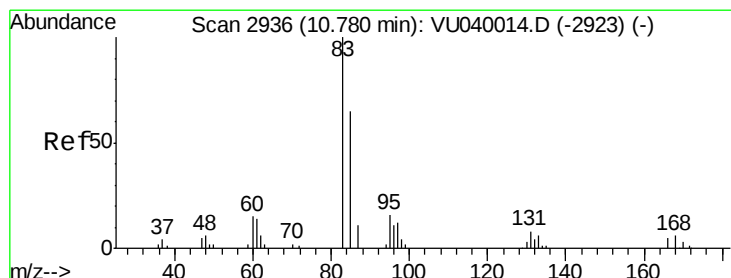
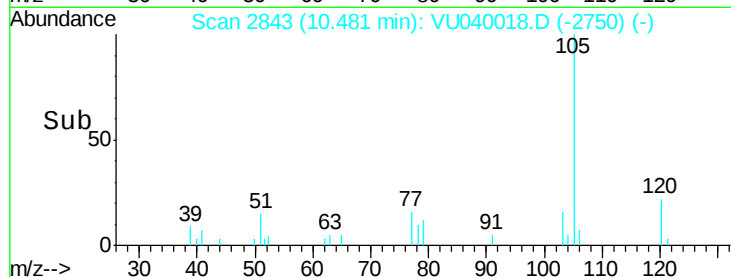
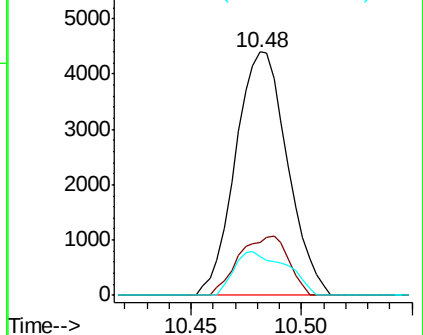
77 18.0 14.4 21.6



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: 0.257 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040018.D

Acq: 02 Sep 2020 11:47

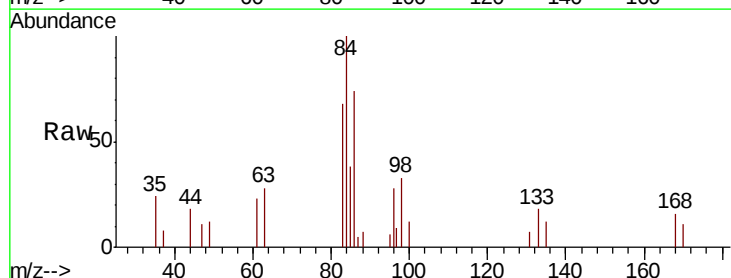
Tgt Ion: 83 Resp: 2514

Ion Ratio Lower Upper

83 100

85 56.3 44.9 83.3

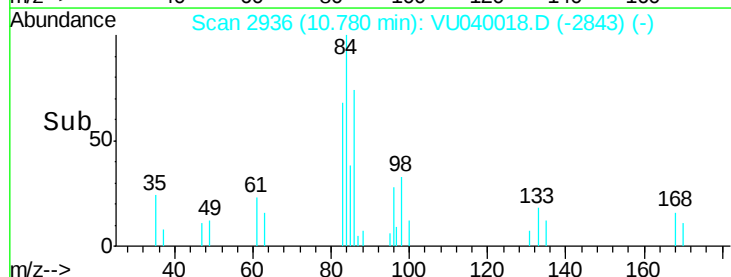
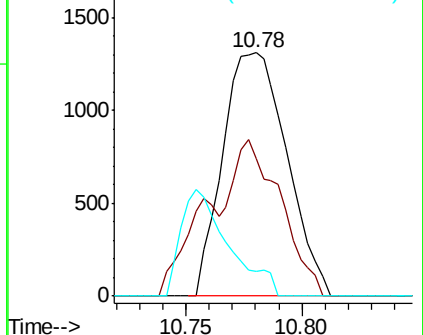
131 10.0 7.4 11.0

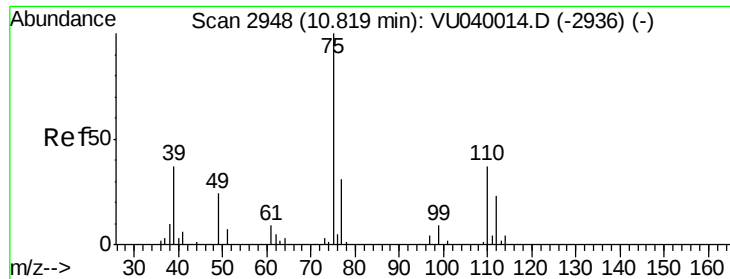


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 1.221 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU040018.D

Acq: 02 Sep 2020 11:47

Instrument :

MSVOA_U

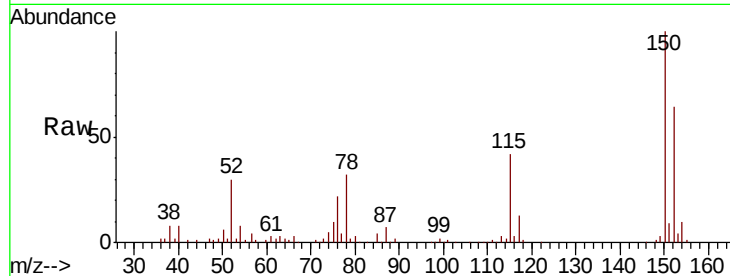
ClientSampleId :

Tot Ion: 75 Resp: 9476

Ion Ratio Lower Upper

75 100

77 33.5 24.9 37.3



Abundance Ion 75.00 (74.70 to 75.70): VU040014.D (-2936) (-)

Ion 77.00 (76.70 to 77.70): VU040014.D (-2936) (-)

11.81

5000

4000

3000

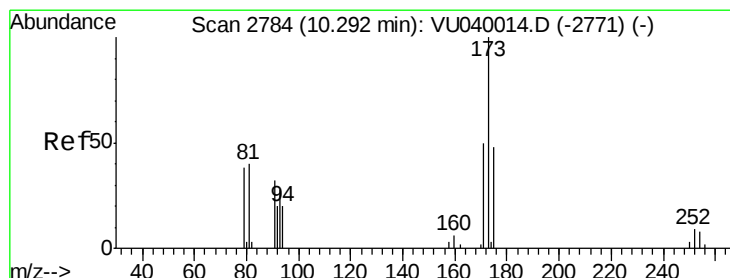
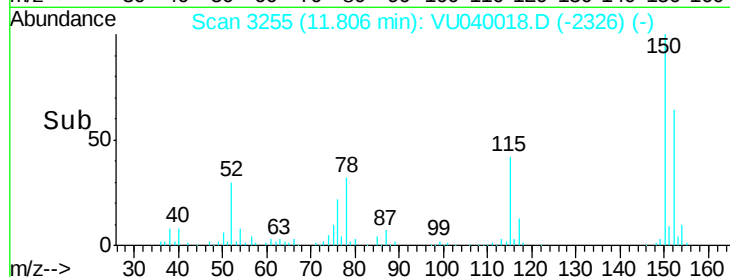
2000

1000

0

11.75 11.80 11.85

Time-->



#61

Bromoform

Concen: 0.168 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU040018.D

Acq: 02 Sep 2020 11:47

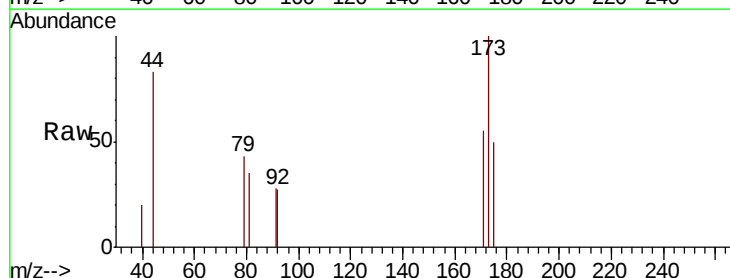
Tgt Ion: 173 Resp: 752

Ion Ratio Lower Upper

173 100

175 62.8 37.8 56.6#

254 0.0 6.8 10.2#



Abundance Ion 172.90 (172.60 to 173.60): VU040014.D (-2771) (-)

Ion 174.90 (174.60 to 175.60): VU040014.D (-2771) (-)

Ion 253.75 (253.45 to 254.45): VU040014.D (-2771) (-)

10.29

600

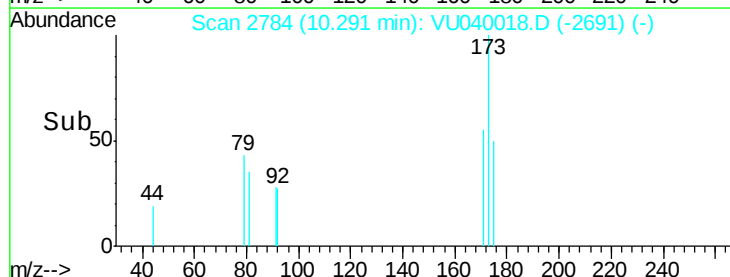
400

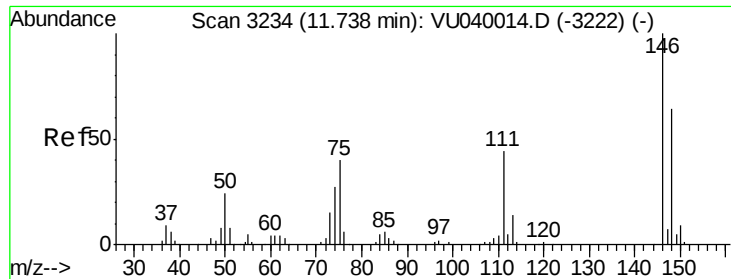
200

0

10.25 10.30

Time-->

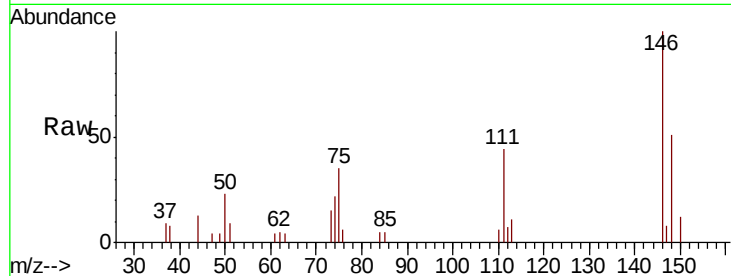




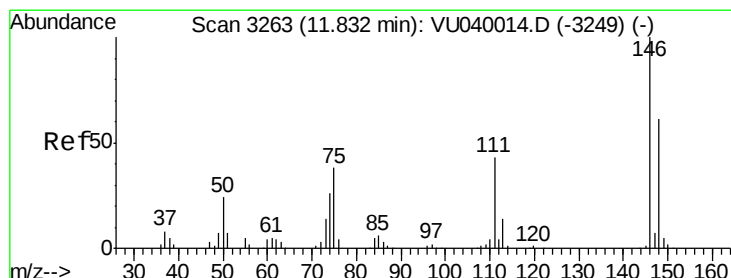
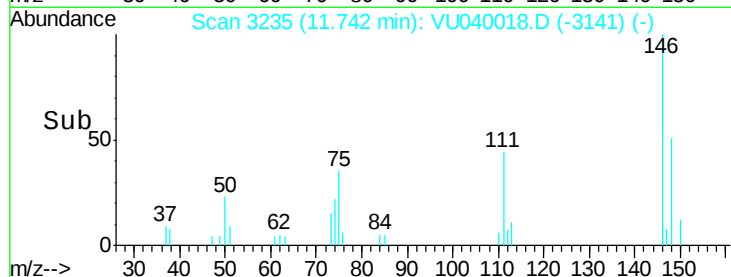
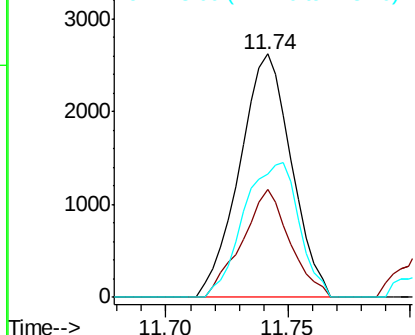
#62
 1,3-Dichlorobenzene
 Concen: 0.217 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU040018.D
 Acq: 02 Sep 2020 11:47

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:146 Resp: 3859
 Ion Ratio Lower Upper
 146 100
 111 44.2 31.6 58.8
 148 50.6 44.2 82.0

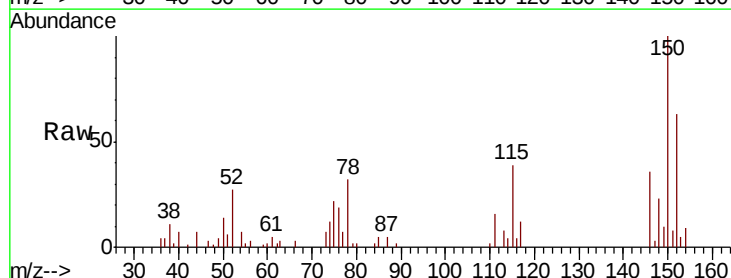


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

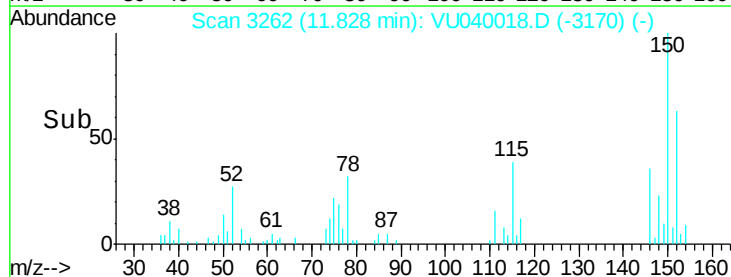
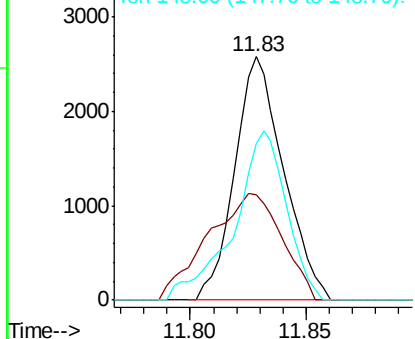


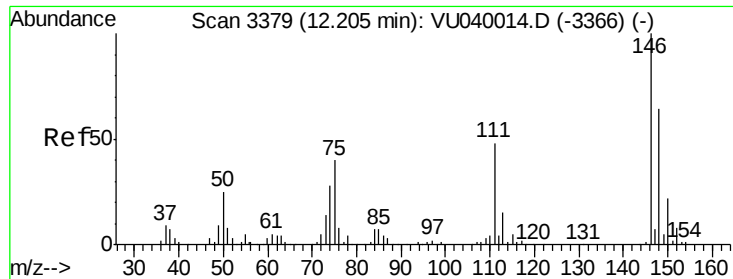
#63
 1,4-Dichlorobenzene
 Concen: 0.209 ug/L
 RT: 11.83 min Scan# 3262
 Delta R.T. -0.00 min
 Lab File: VU040018.D
 Acq: 02 Sep 2020 11:47

Tgt Ion:146 Resp: 3768
 Ion Ratio Lower Upper
 146 100
 111 43.3 30.5 56.7
 148 64.5 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: 0.204 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU040018.D

Acq: 02 Sep 2020 11:47

Instrument :

MSVOA_U

ClientSampled :

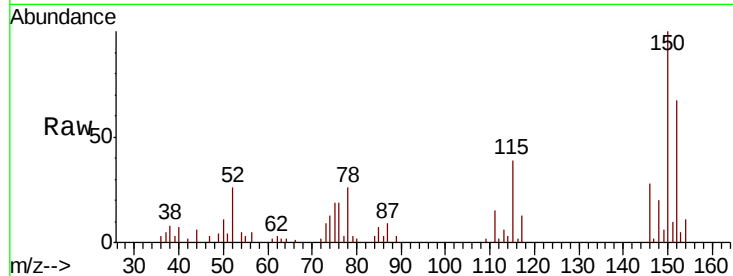
Tot Ion:146 Resp: 3516

Ion Ratio Lower Upper

146 100

111 53.1 36.5 54.7

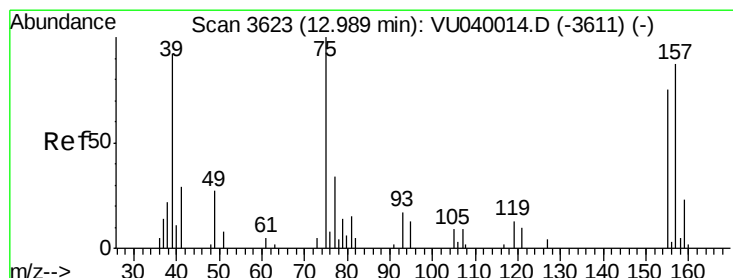
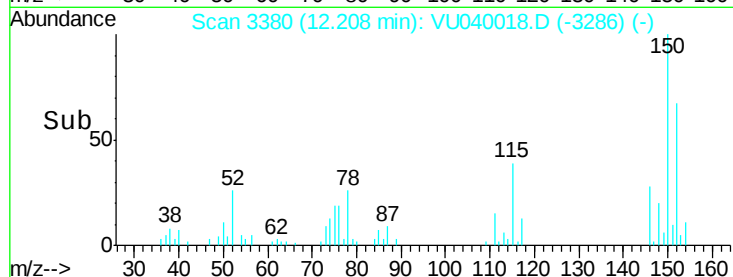
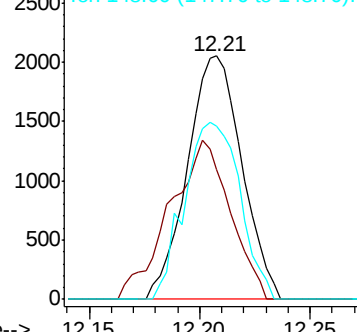
148 71.2 48.6 72.8



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: 0.183 ug/L

RT: 12.99 min Scan# 3624

Delta R.T. 0.00 min

Lab File: VU040018.D

Acq: 02 Sep 2020 11:47

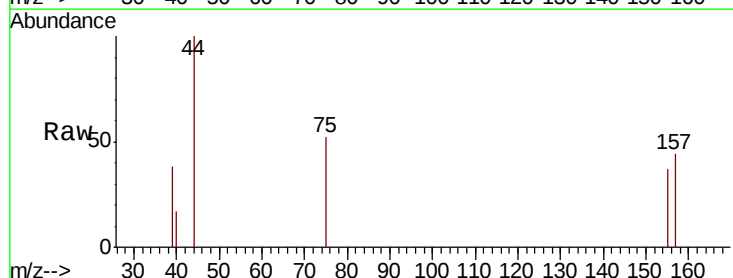
Tgt Ion: 75 Resp: 336

Ion Ratio Lower Upper

75 100

155 71.3 54.6 82.0

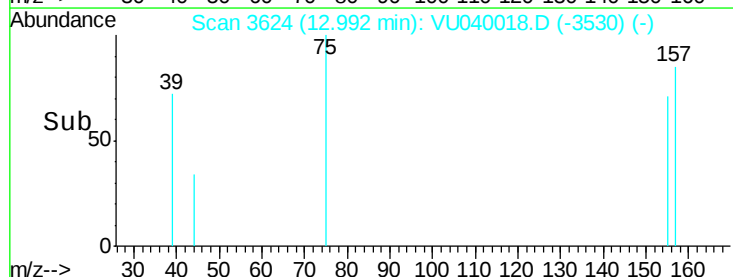
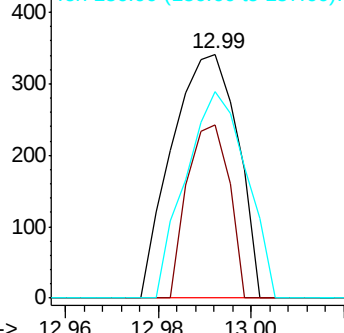
157 84.8 75.6 113.4

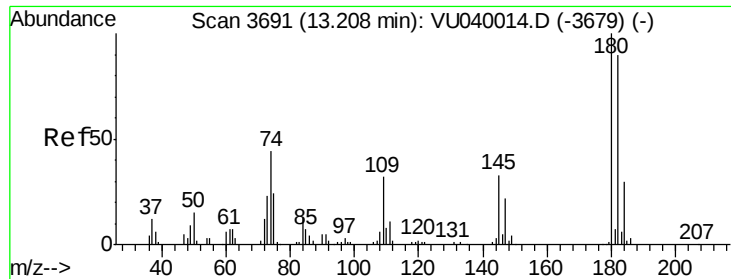


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

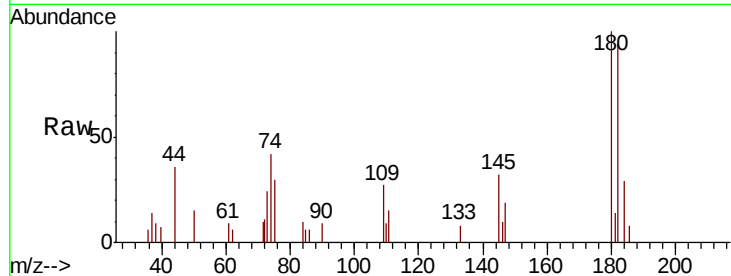




#67
 1,3,5-Trichlorobenzene
 Concen: 0.191 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040018.D
 Acq: 02 Sep 2020 11:47

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	180	Resp:	2393
Ion	Ratio	Lower	Upper
180	100		
182	98.5	76.9	115.3
184	26.8	24.6	36.8
145	35.4	27.0	40.6



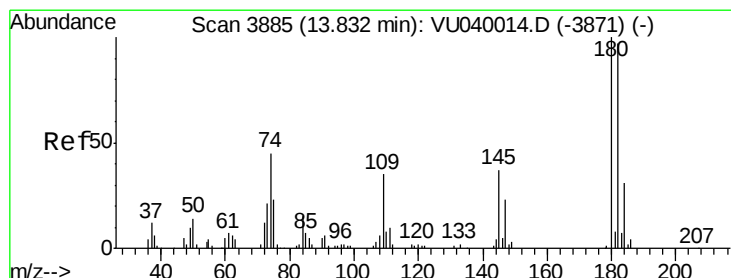
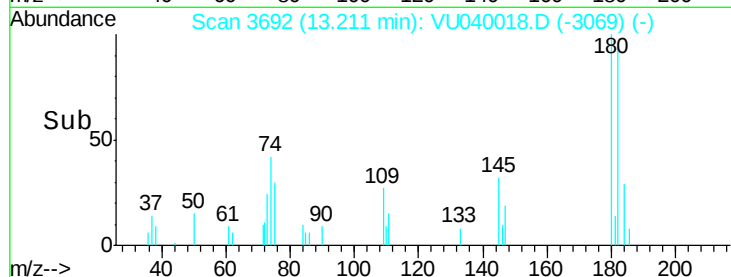
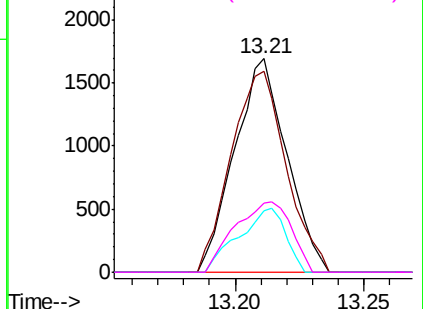
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

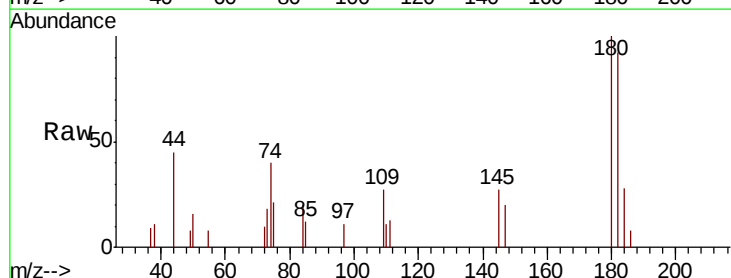
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 0.188 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040018.D
 Acq: 02 Sep 2020 11:47

Tgt Ion:	180	Resp:	2027
Ion	Ratio	Lower	Upper
180	100		
182	103.5	76.0	114.0
145	28.5	28.4	42.6

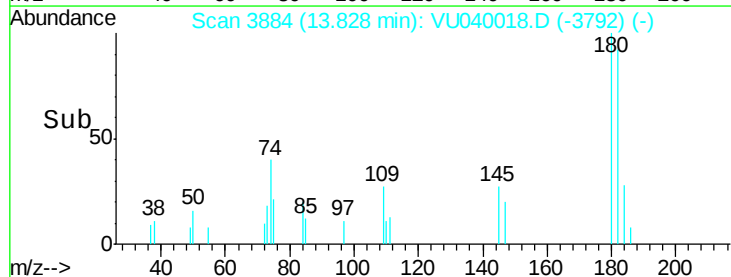
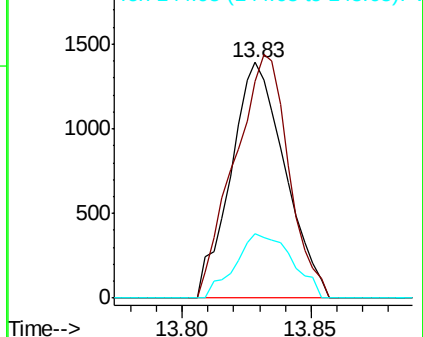


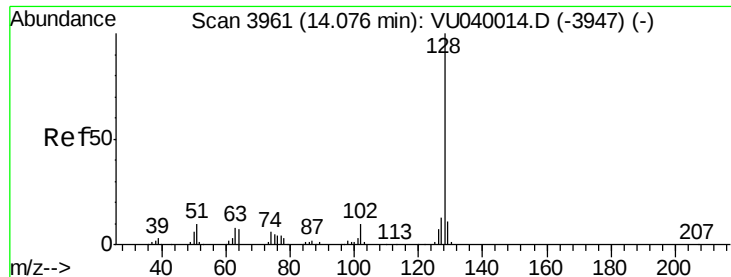
Abundance

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: 0.173 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU040018.D

Acq: 02 Sep 2020 11:47

Instrument :

MSVOA_U

ClientSampleId :

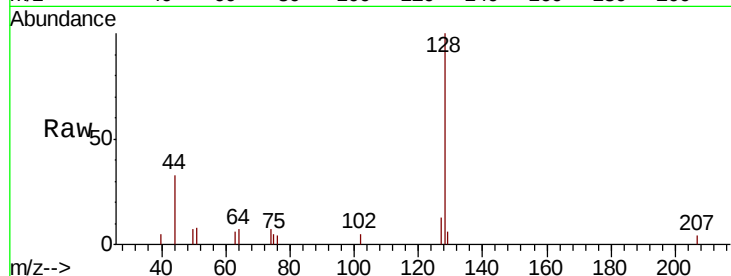
Tot Ion:128 Resp: 3877

Ion Ratio Lower Upper

128 100

129 6.5 8.7 13.1#

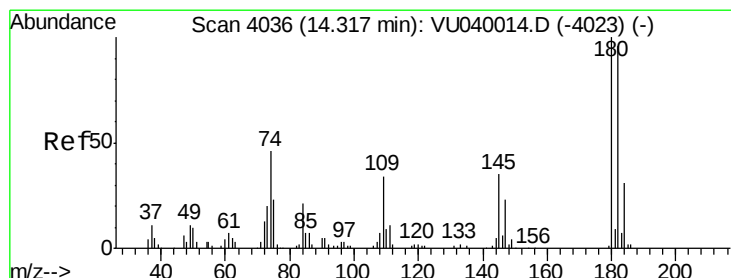
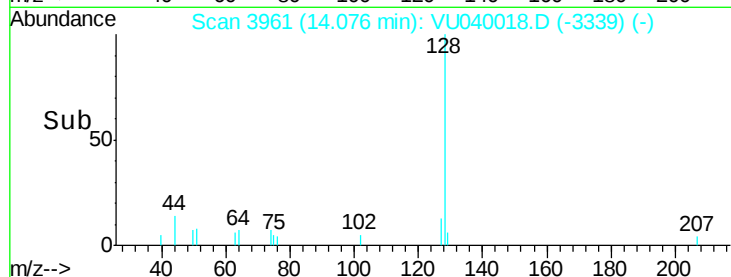
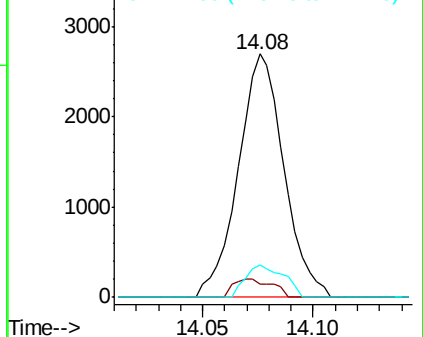
127 11.2 10.7 16.1



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: 0.191 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU040018.D

Acq: 02 Sep 2020 11:47

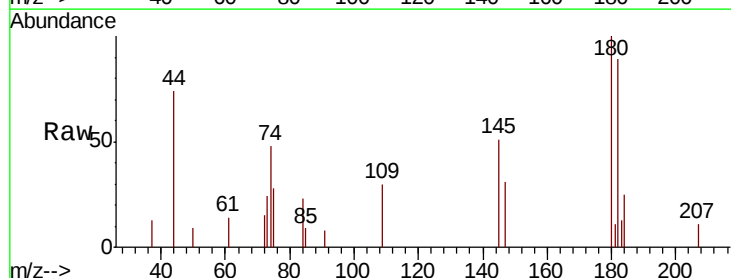
Tgt Ion:180 Resp: 1891

Ion Ratio Lower Upper

180 100

182 85.4 77.8 116.6

145 40.5 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

