

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U050420\
 Data File : VU037999.D
 Acq On : 04 May 2020 12:12
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 05 01:40:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U050420DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue May 05 01:36:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.14	96	88396	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.65	95	34245	1.00	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.00%	
68) 1,2-Dichlorobenzene-d4	12.21	152	32670	0.95	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.00%	

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	152799	3.722	ug/l 100
3) Chloromethane	1.54	50	176856	4.272	ug/l 100
4) Vinyl Chloride	1.62	62	180919	4.862	ug/l 100
5) Bromomethane	1.87	94	97146	6.924	ug/l 99
6) Chloroethane	1.95	64	107731	5.781	ug/l 99
7) Trichlorofluoromethane	2.16	101	189570	4.258	ug/l 98
8) 1,1,2-Trichloro-1,2,2-trif	2.60	101	117800	5.417	ug/l 98
9) 1,1-Dichloroethene	2.60	96	115128	5.526	ug/l 98
10) Iodomethane	2.75	142	84358	8.110	ug/l 100
11) Allyl Chloride	2.95	41	217672	5.395	ug/l 98
12) Acrylonitrile	3.35	53	62923	12.356	ug/l 96
13) Acetone	2.66	43	123177	22.753	ug/l 100
14) Carbon Disulfide	2.82	76	421353	5.969	ug/l 99
15) Methylene Chloride	3.07	84	145193	5.499	ug/l 99
16) trans-1,2-Dichloroethene	3.38	96	127939	5.739	ug/l 98
17) 1,1-Dichloroethane	3.91	63	242875	4.854	ug/l 99
18) 2-Butanone	4.76	43	195184	23.904	ug/l 98
19) Cyclohexane	5.42	56	211357	4.899	ug/l 91
20) Methylcyclohexane	6.79	83	232242	5.429	ug/l 99
21) 2,2-Dichloropropane	4.70	77	200070	4.430	ug/l 99
22) cis-1,2-Dichloroethene	4.71	96	138127	5.146	ug/l 99
23) Diethyl Ether	2.40	59	102617	5.744	ug/l 99
24) tert-Butyl Alcohol	3.23	59	107838	56.335	ug/l 99
25) Methyl tert-Butyl Ether	3.40	73	322851	5.330	ug/l 100
26) Bromochloromethane	5.01	128	53487	4.589	ug/l 97
27) Chloroform	5.13	83	226385	4.272	ug/l 98
28) 1,1,1-Trichloroethane	5.35	97	188762	4.206	ug/l 99
29) 1,1-Dichloropropene	5.56	75	186291	4.968	ug/l 99
30) Carbon Tetrachloride	5.56	117	158248	4.071	ug/l 99
31) Isopropyl Ether	4.04	45	401971	5.022	ug/l 100
32) Ethyl-t-butyl ether	4.55	59	360367	4.805	ug/l 100
33) Tert-Amyl methyl ether	5.98	73	314680	4.898	ug/l 99
34) Propionitrile	4.82	54	52060	24.198	ug/l 98
35) Benzene	5.81	78	529796	4.984	ug/l 100
36) 1,2-Dichloroethane	5.83	62	157125	4.184	ug/l 100
37) Trichloroethene	6.57	130	138715	4.965	ug/l 99
38) 1,2-Dichloropropane	6.82	63	142677	4.913	ug/l 100
39) Methacrylonitrile	5.02	41	48550	4.724	ug/l 97
40) Methyl acrylate	4.89	55	75529	5.199	ug/l 99
41) Tetrahydrofuran	5.11	42	49277	9.620	ug/l 99
42) 1-Chlorobutane	5.49	56	272739	5.065	ug/l 99

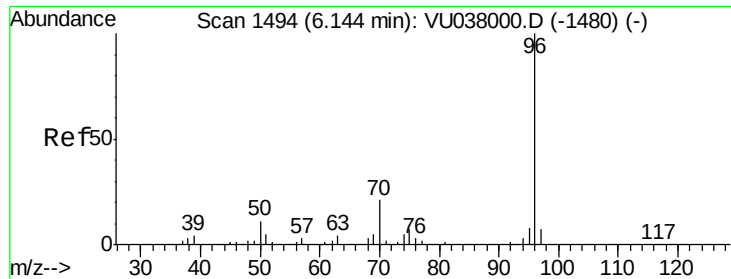
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050420\
 Data File : VU037999.D
 Acq On : 04 May 2020 12:12
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 05 01:40:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U050420DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue May 05 01:36:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.95	93	65814	4.486	ug/l	99
44) Bromodichloromethane	7.13	83	166067	4.367	ug/l	99
45) 4-Methyl-2-Pentanone	7.82	43	450132	22.814	ug/l	100
46) t-1,4-Dichloro-2-butene	10.84	75	154610	28.706	ug/l #	39
47) Methyl methacrylate	6.99	69	139091	11.217	ug/l	97
48) Ethyl methacrylate	8.36	69	125157	5.120	ug/l	99
49) Toluene	7.99	92	337941	5.272	ug/l	99
50) t-1,3-Dichloropropene	8.23	75	169820	4.866	ug/l	99
51) cis-1,3-Dichloropropene	7.63	75	205597	5.106	ug/l	99
52) 1,1,2-Trichloroethane	8.42	97	93255	4.727	ug/l	98
53) 1,3-Dichloropropane	8.60	76	177400	5.016	ug/l	100
54) 2-Hexanone	8.71	43	312621	23.055	ug/l	99
55) Dibromochloromethane	8.83	129	104670	4.355	ug/l	100
56) 1,2-Dibromoethane	8.95	107	87332	4.722	ug/l	98
58) Tetrachloroethene	8.57	164	128698	4.906	ug/l	98
59) Chlorobenzene	9.47	112	358042	5.008	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.56	131	107986	4.252	ug/l	99
61) Pentachloroethane	11.44	117	79220	4.085	ug/l	99
62) Hexachloroethane	12.49	117	81054	3.935	ug/l	98
63) Ethyl Benzene	9.59	91	639173	5.240	ug/l	99
64) m/p-Xylenes	9.71	106	499225	10.810	ug/l	100
65) o-Xylene	10.12	106	238505	5.338	ug/l	99
66) Styrene	10.13	104	401307	5.498	ug/l	100
67) Bromoform	10.31	173	54273	4.304	ug/l	100
69) Isopropylbenzene	10.50	105	635780	5.240	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.80	83	119743	4.629	ug/l	98
71) 1,2,3-Trichloropropane	10.84	75	154610	7.579	ug/l #	50
72) Bromobenzene	10.80	156	142945	4.868	ug/l	99
73) n-propylbenzene	10.92	120	175003	5.429	ug/l	100
74) 2-Chlorotoluene	11.00	126	142777	4.949	ug/l	99
75) 1,3,5-Trimethylbenzene	11.10	105	523363	5.035	ug/l	100
76) 4-Chlorotoluene	11.11	126	152866	5.238	ug/l	97
77) tert-Butylbenzene	11.44	119	495239	4.883	ug/l	99
78) 1,2,4-Trimethylbenzene	11.48	105	544487	5.199	ug/l	99
79) sec-Butylbenzene	11.66	105	701796	5.049	ug/l	100
80) Nitrobenzene	13.23	77	16289	27.623	ug/l	99
81) p-Isopropyltoluene	11.81	119	574847	5.257	ug/l	100
82) 1,3-Dichlorobenzene	11.76	146	284121	4.899	ug/l	100
83) 1,4-Dichlorobenzene	11.85	146	286043	4.871	ug/l	100
84) n-Butylbenzene	12.22	91	572368	5.470	ug/l	100
85) 1,2-Dichlorobenzene	12.23	146	264801	4.731	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	13.02	75	19625	4.439	ug/l	95
87) 1,2,4-Trichlorobenzene	13.87	180	190325	6.463	ug/l	99
88) Hexachlorobutadiene	14.05	225	86524	4.920	ug/l	99
89) Naphthalene	14.12	128	371171	7.269	ug/l	100
90) 1,2,3-Trichlorobenzene	14.36	180	171425	6.043	ug/l	100

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.14 min Scan# 1494

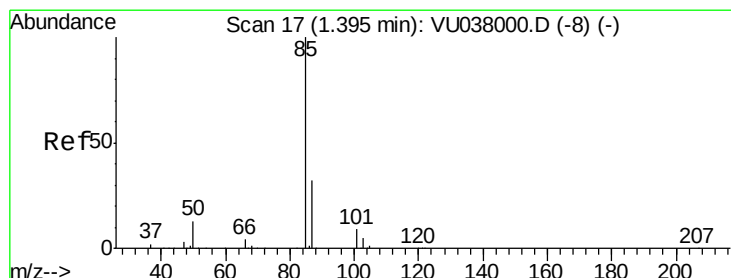
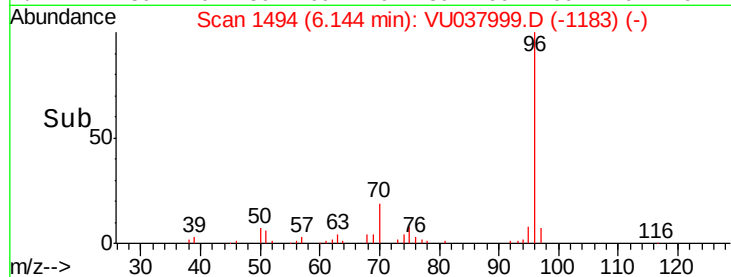
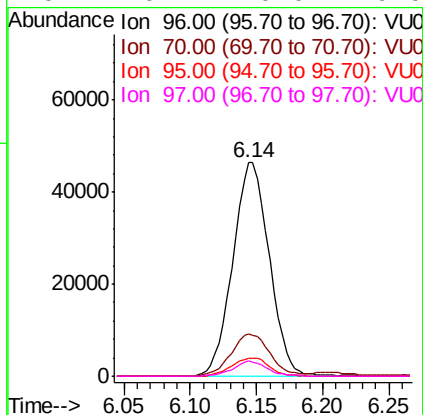
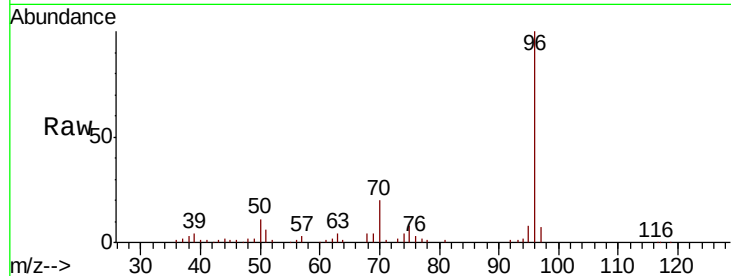
Delta R.T. 0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	96	Resp:	88396
Ion	Ratio	Lower	Upper
96	100		
70	19.8	14.4	21.6
95	8.8	7.1	10.7
97	6.7	0.0	0.0#



#2

Dichlorodifluoromethane

Concen: 3.722 ug/l

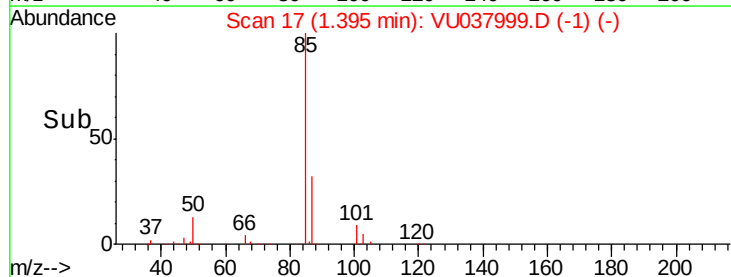
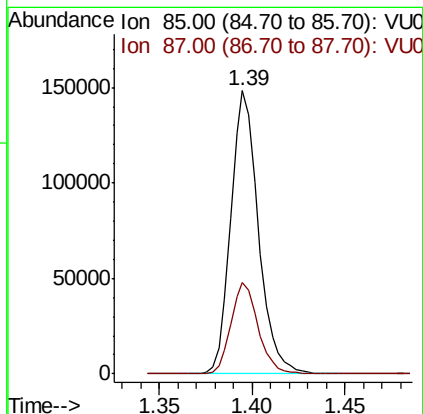
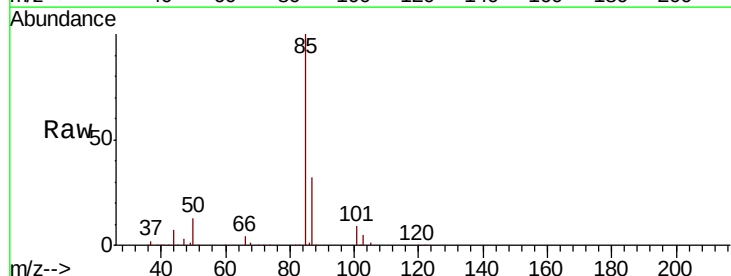
RT: 1.39 min Scan# 17

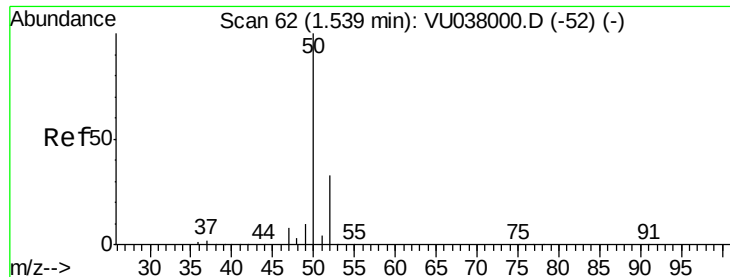
Delta R.T. 0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

Tgt Ion:	85	Resp:	152799
Ion	Ratio	Lower	Upper
85	100		
87	32.1	16.2	48.5





#3

Chloromethane

Concen: 4.272 ug/l

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

Instrument :

MSVOA_U

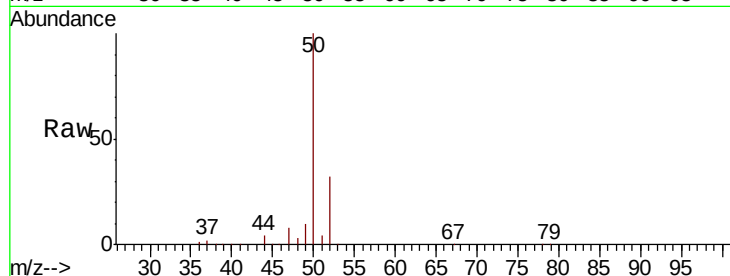
ClientSampleId :

Tot Ion: 50 Resp: 176856

Ion Ratio Lower Upper

50 100

52 32.4 26.1 39.1



Abundance Ion 50.00 (49.70 to 50.70): VU037999.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU037999.D (-1) (-)

1.54

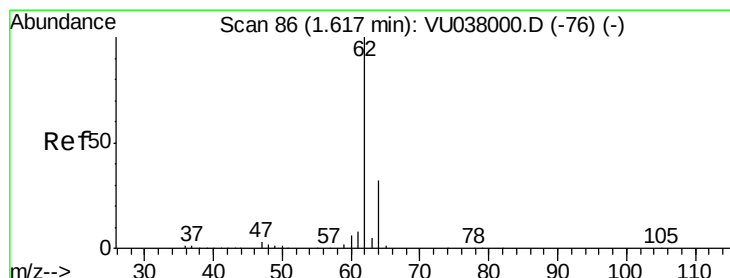
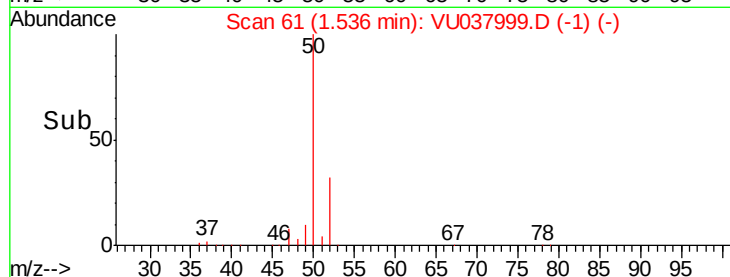
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 4.862 ug/l

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037999.D

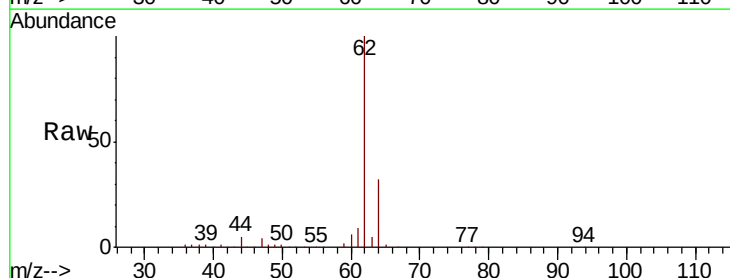
Acq: 04 May 2020 12:12

Tgt Ion: 62 Resp: 180919

Ion Ratio Lower Upper

62 100

64 32.0 25.7 38.5



Abundance Ion 62.00 (61.70 to 62.70): VU037999.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU037999.D (-1) (-)

1.62

200000

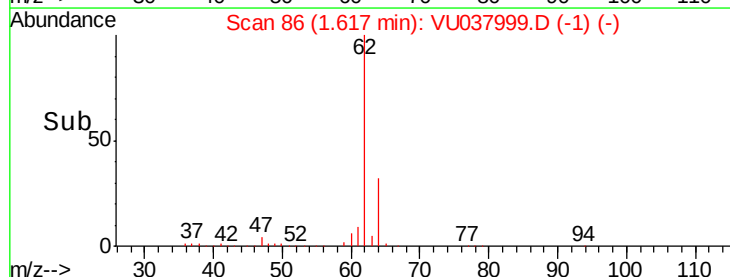
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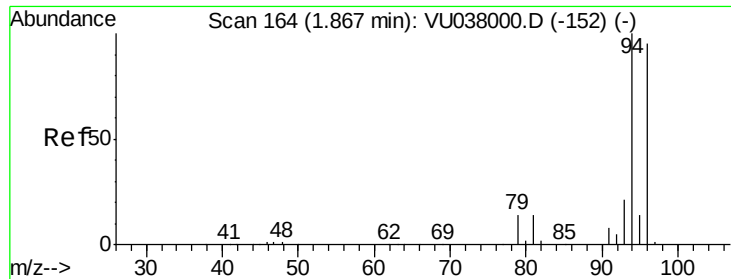
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50000

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Time-->

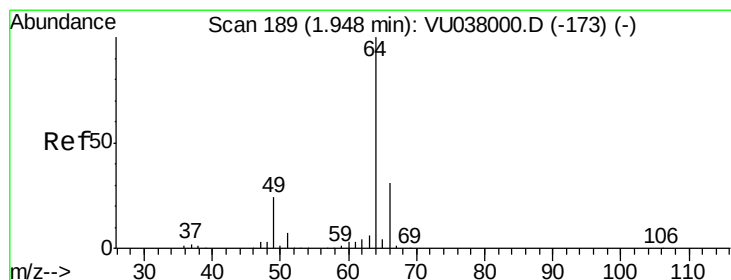
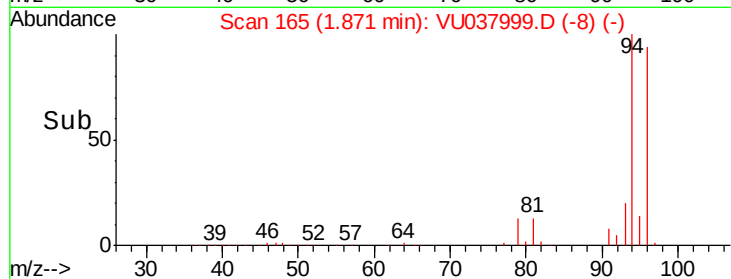
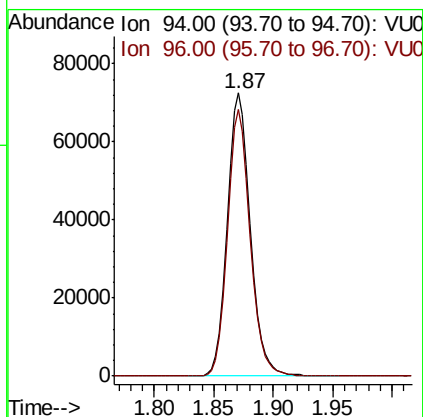
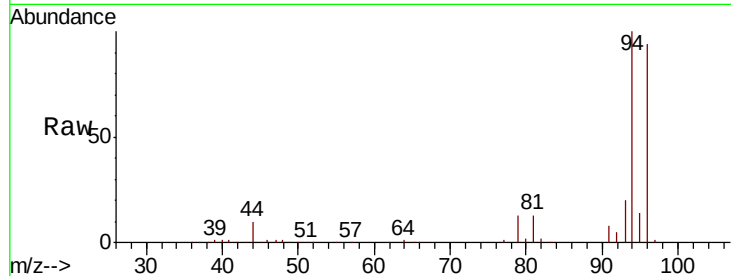




#5
Bromomethane
Concen: 6.924 ug/l
RT: 1.87 min Scan# 165
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

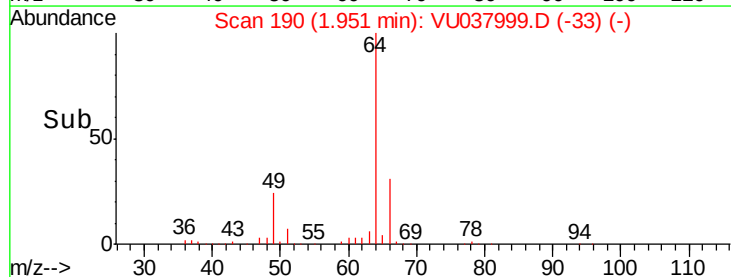
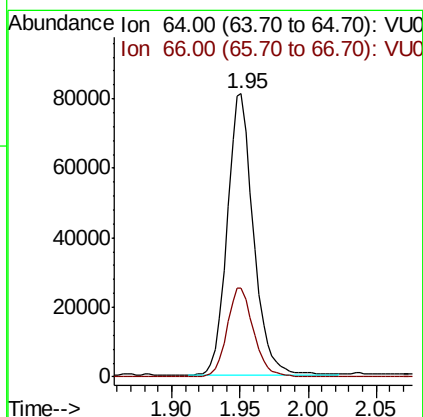
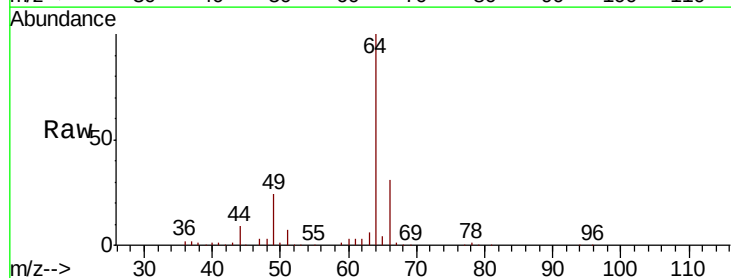
Instrument :
MSVOA_U
ClientSampleId :

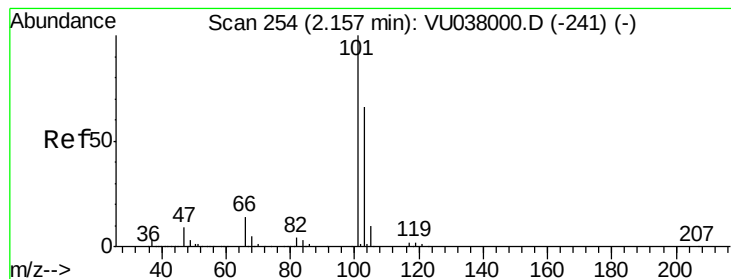
Tot Ion: 94 Resp: 97146
Ion Ratio Lower Upper
94 100
96 94.1 76.1 114.1



#6
Chloroethane
Concen: 5.781 ug/l
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

Tgt Ion: 64 Resp: 107731
Ion Ratio Lower Upper
64 100
66 31.3 24.8 37.2





#7

Trichlorofluoromethane

Concen: 4.258 ug/l

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

Instrument :

MSVOA_U

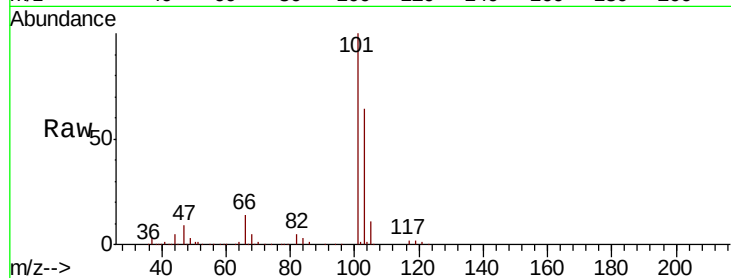
ClientSampled :

Tot Ion:101 Resp: 189570

Ion Ratio Lower Upper

101 100

103 64.2 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

150000

100000

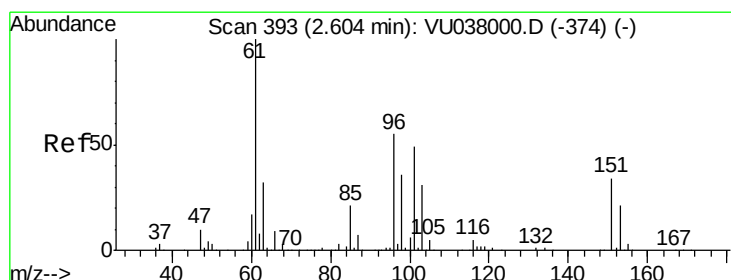
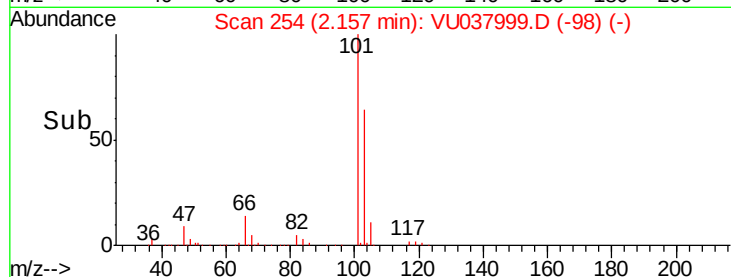
50000

0

2.16

2.10 2.15 2.20 2.25

Time-->



#8

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

Concen: 5.417 ug/l

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

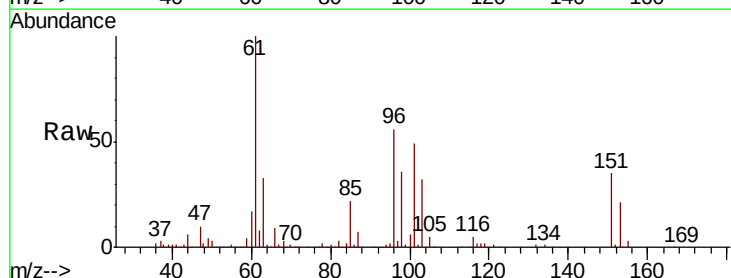
Tgt Ion:101 Resp: 117800

Ion Ratio Lower Upper

101 100

85 46.1 35.5 53.3

151 67.7 55.2 82.8



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

80000

60000

40000

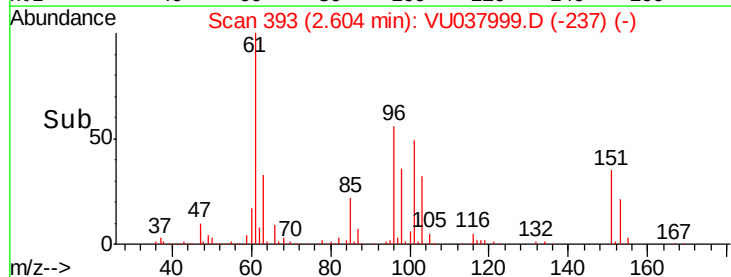
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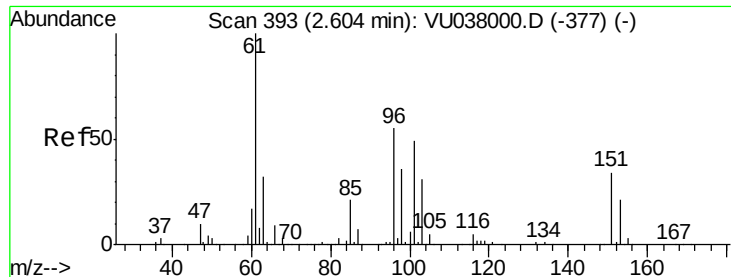
0

2.60

2.50 2.55 2.60 2.65

Time-->

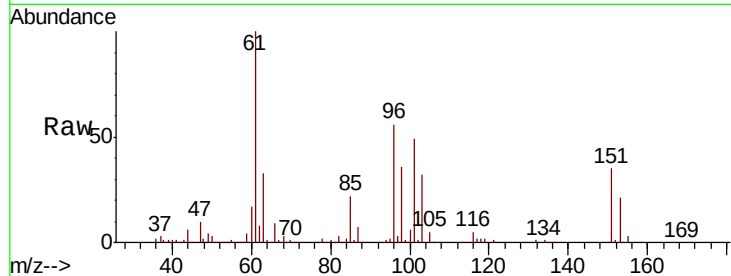




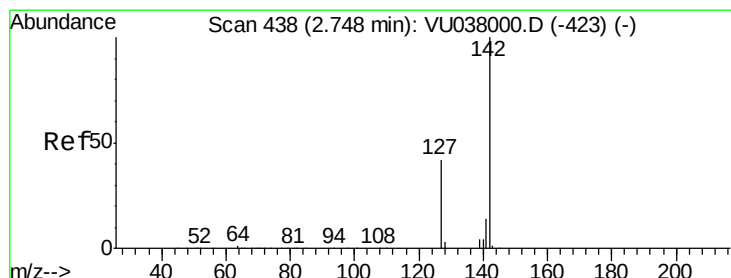
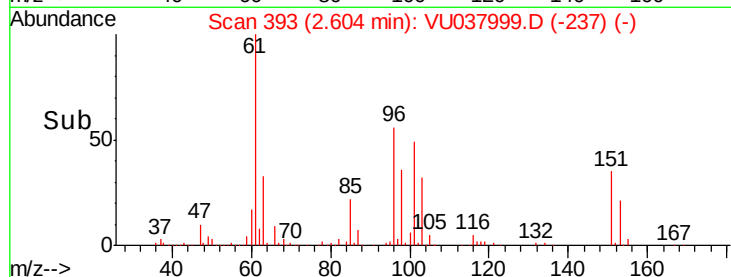
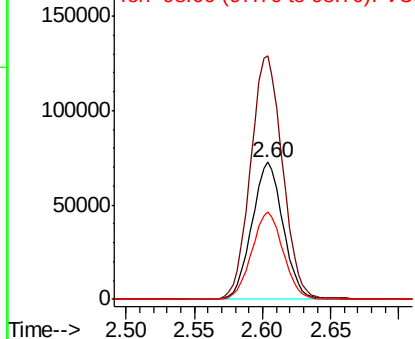
#9
 1,1-Dichloroethene
 Concen: 5.526 ug/l
 RT: 2.60 min Scan# 393
 Delta R.T. 0.00 min
 Lab File: VU037999.D
 Acq: 04 May 2020 12:12

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 96 Resp: 115128
 Ion Ratio Lower Upper
 96 100
 61 178.0 0.0 543.0
 98 64.3 0.0 129.4

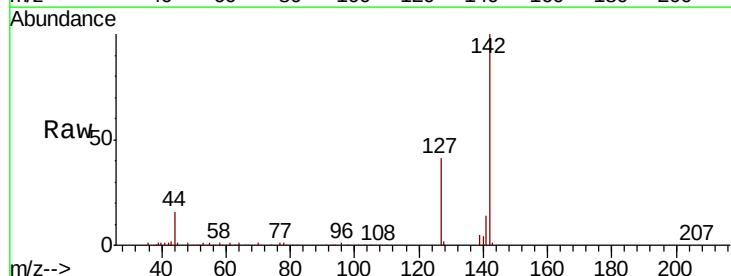


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0

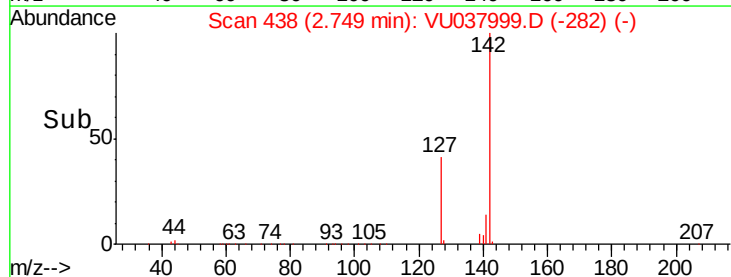
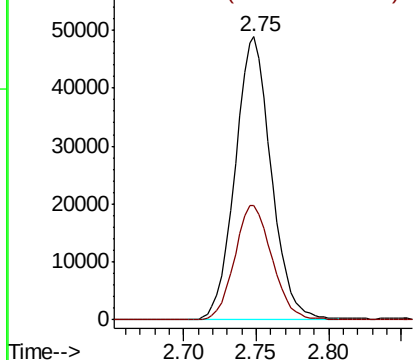


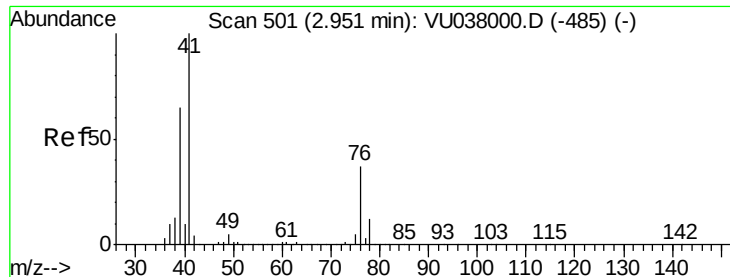
#10
 Iodomethane
 Concen: 8.110 ug/l
 RT: 2.75 min Scan# 438
 Delta R.T. 0.00 min
 Lab File: VU037999.D
 Acq: 04 May 2020 12:12

Tgt Ion: 142 Resp: 84358
 Ion Ratio Lower Upper
 142 100
 127 41.9 33.5 50.3



Abundance Ion 142.00 (141.70 to 142.70): V
 Ion 127.00 (126.70 to 127.70): V

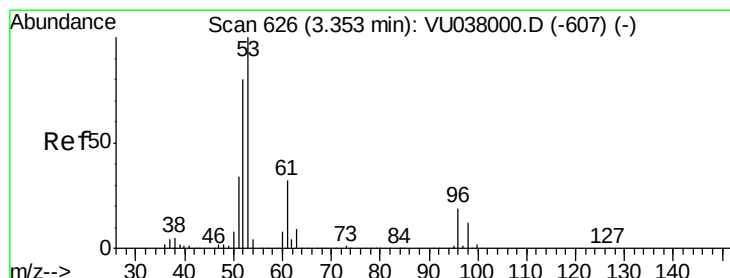
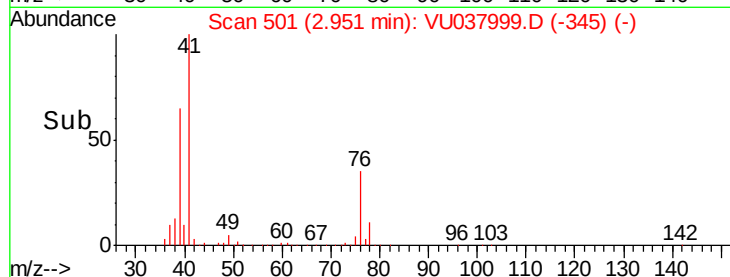
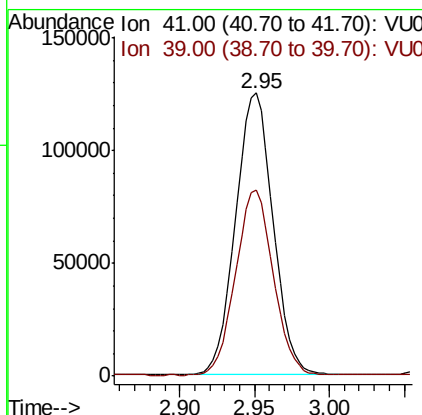
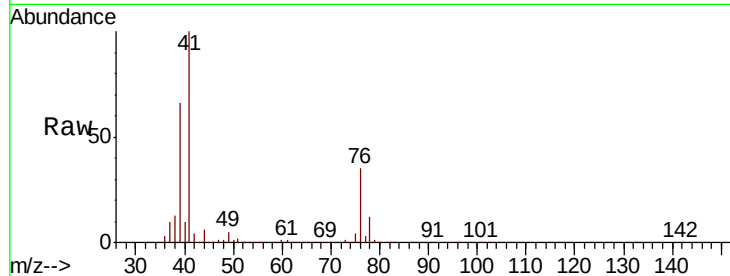




#11
Allvl Chloride
Concen: 5.395 ug/l
RT: 2.95 min Scan# 501
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

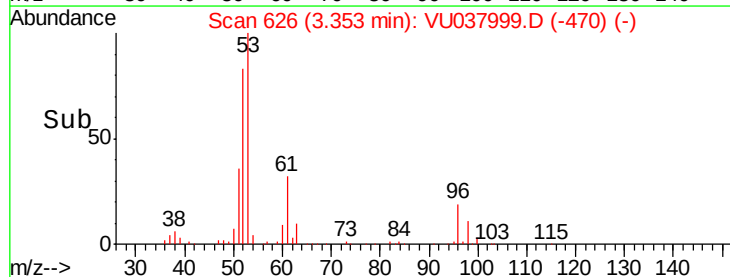
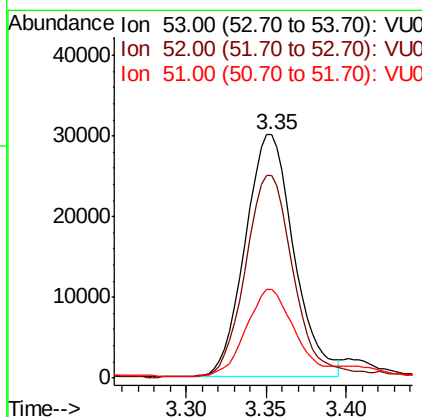
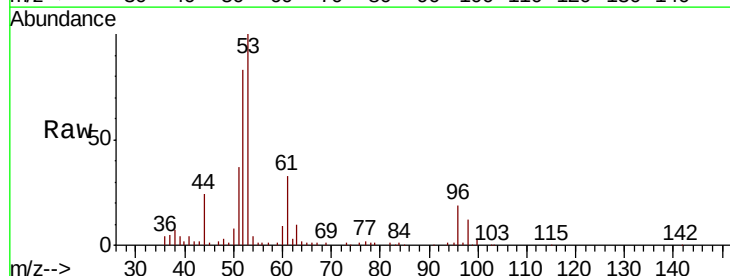
Instrument :
MSVOA_U
ClientSampleId :

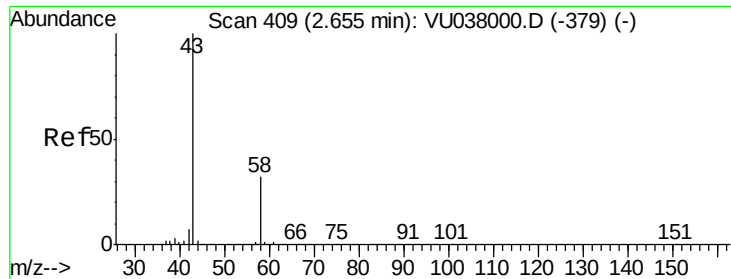
Tot Ion: 41 Resp: 217672
Ion Ratio Lower Upper
41 100
39 66.3 51.7 77.5



#12
Acrylonitrile
Concen: 12.356 ug/l
RT: 3.35 min Scan# 626
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

Tgt Ion: 53 Resp: 62923
Ion Ratio Lower Upper
53 100
52 82.8 63.3 94.9
51 35.4 30.2 45.2





#13

Acetone

Concen: 22.753 ug/l

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

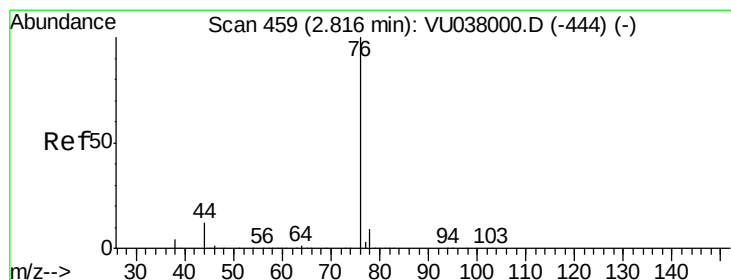
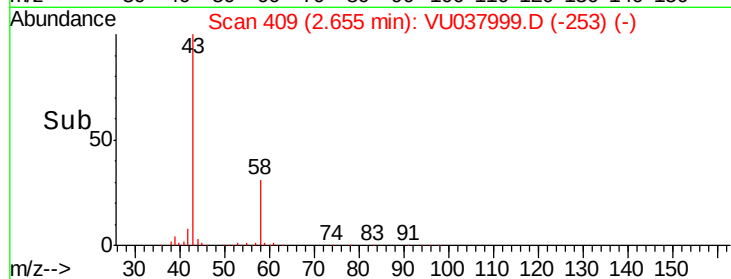
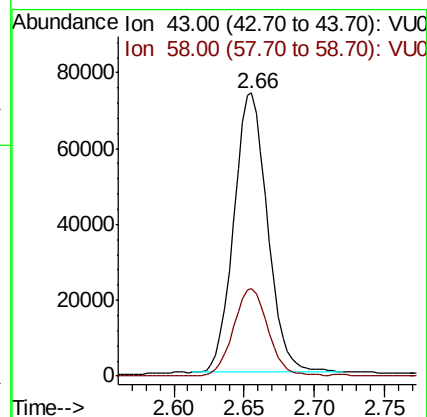
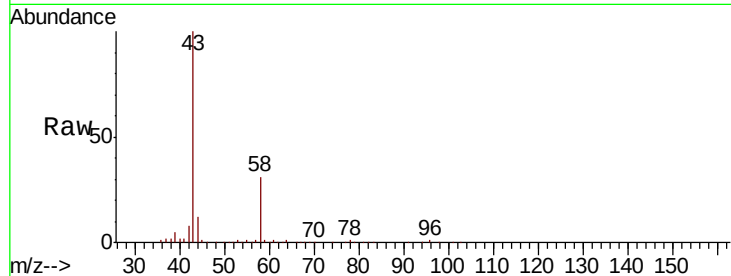
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 123177

Ion Ratio Lower Upper

43 100

58 31.4 25.2 37.8



#14

Carbon Disulfide

Concen: 5.969 ug/l

RT: 2.82 min Scan# 459

Delta R.T. 0.00 min

Lab File: VU037999.D

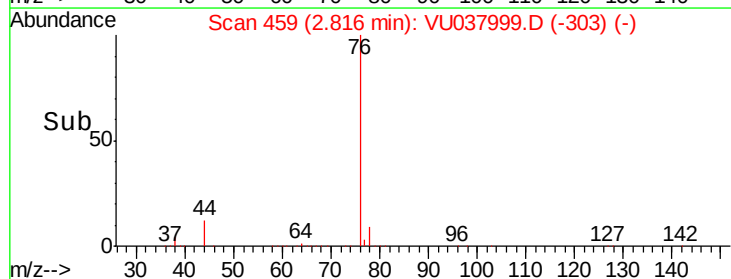
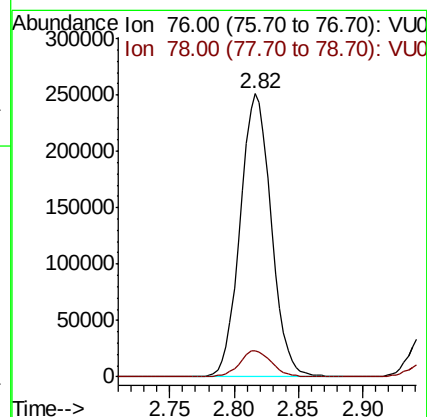
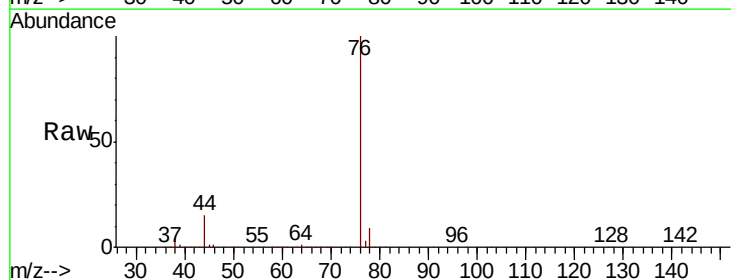
Acq: 04 May 2020 12:12

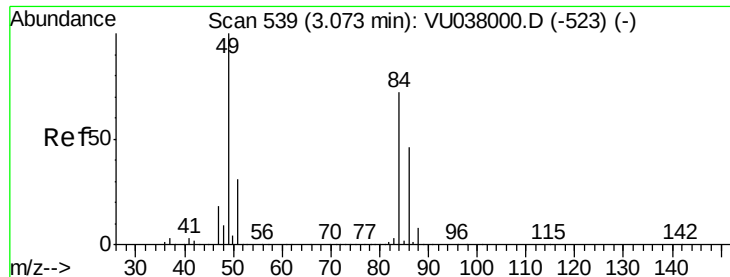
Tgt Ion: 76 Resp: 421353

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6

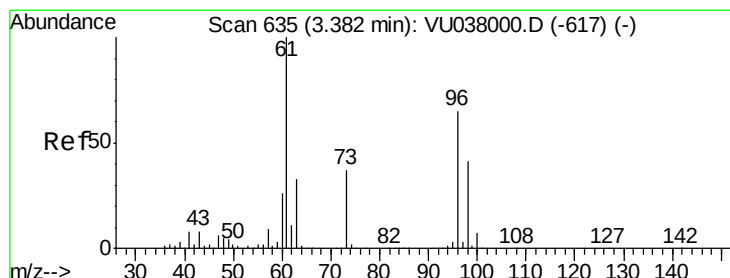
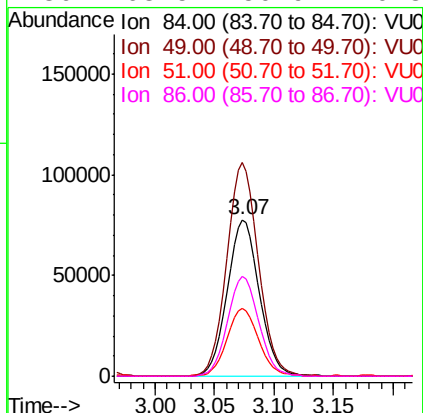
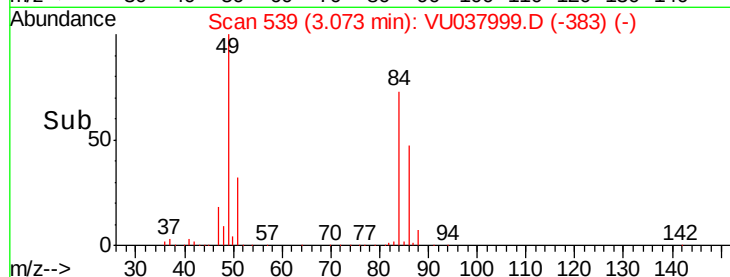
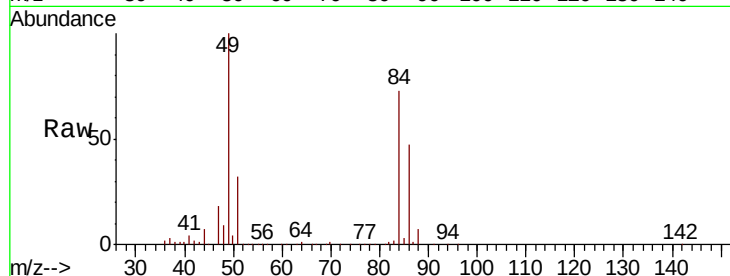




#15
Methylene Chloride
Concen: 5.499 ug/l
RT: 3.07 min Scan# 539
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

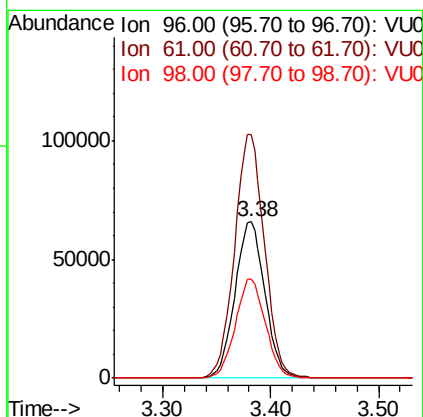
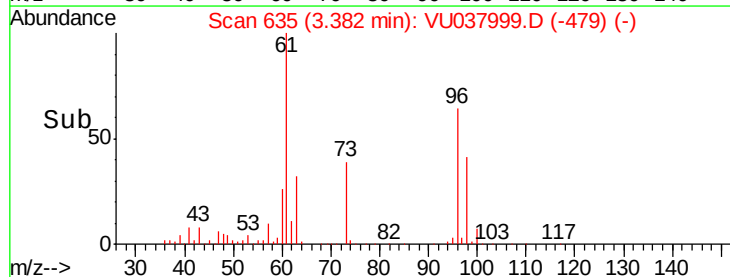
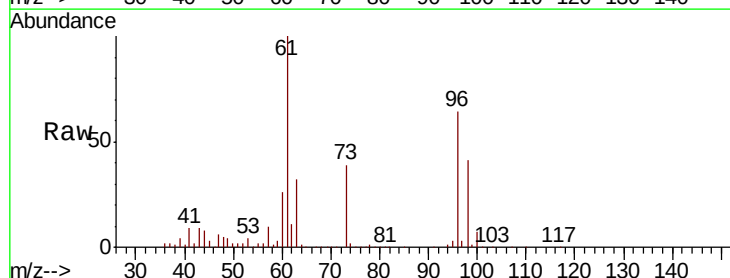
Instrument :
MSVOA_U
ClientSampled :

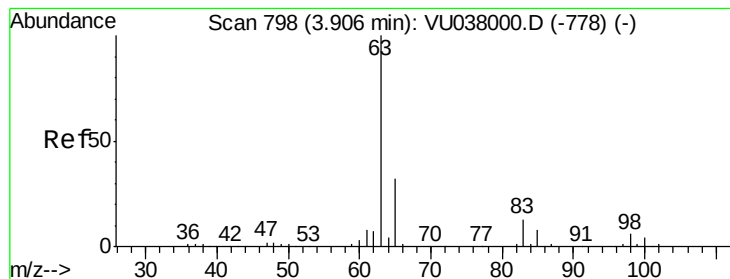
Tot Ion:	84	Resp:	145193
Ion	Ratio	Lower	Upper
84	100		
49	136.1	110.6	166.0
51	43.1	0.0	85.4
86	63.5	50.9	76.3



#16
trans-1,2-Dichloroethene
Concen: 5.739 ug/l
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

Tgt Ion:	96	Resp:	127939
Ion	Ratio	Lower	Upper
96	100		
61	155.4	122.4	183.6
98	63.5	50.1	75.1





#17

1,1-Dichloroethane

Concen: 4.854 ug/l

RT: 3.91 min Scan# 798

Delta R.T. 0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

Instrument :

MSVOA_U

ClientSampleId :

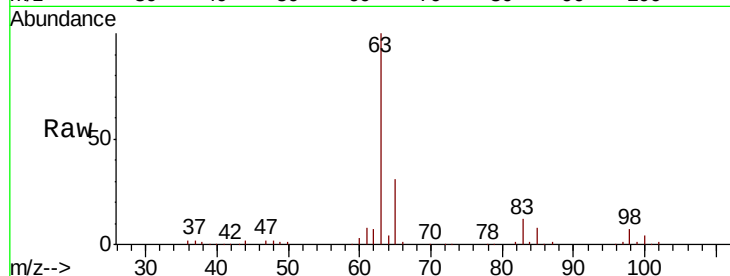
Tot Ion: 63 Resp: 242875

Ion Ratio Lower Upper

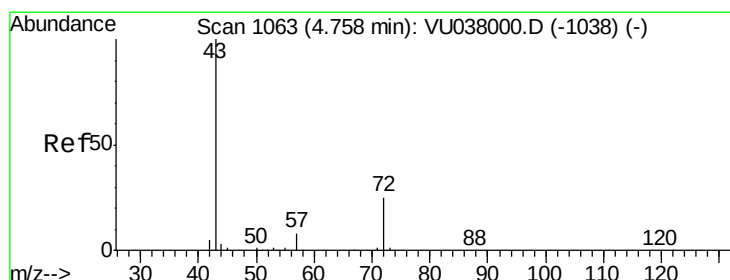
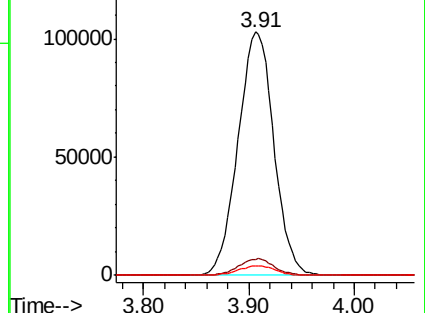
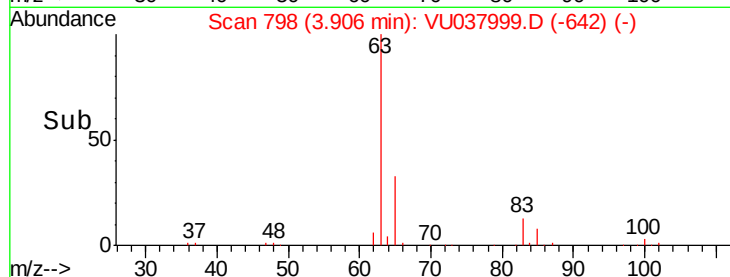
63 100

98 6.7 3.1 9.4

100 3.8 2.2 6.6



Abundance Ion 63.00 (62.70 to 63.70): VU037999.D (-642) (-)



#18

2-Butanone

Concen: 23.904 ug/l

RT: 4.76 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VU037999.D

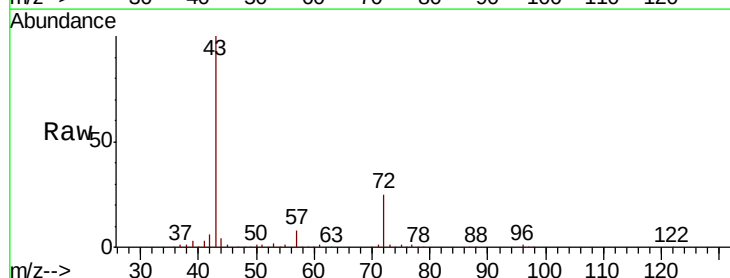
Acq: 04 May 2020 12:12

Tgt Ion: 43 Resp: 195184

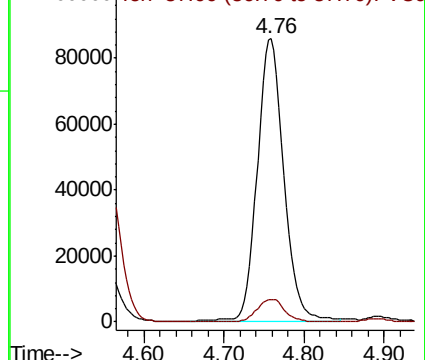
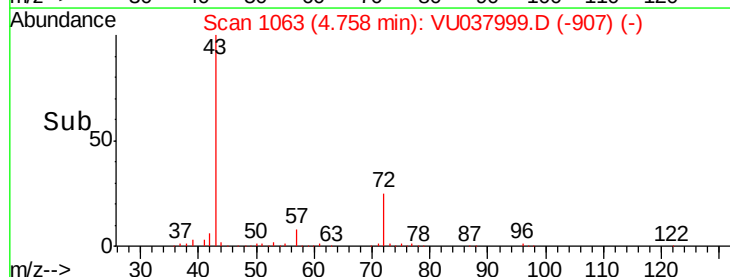
Ion Ratio Lower Upper

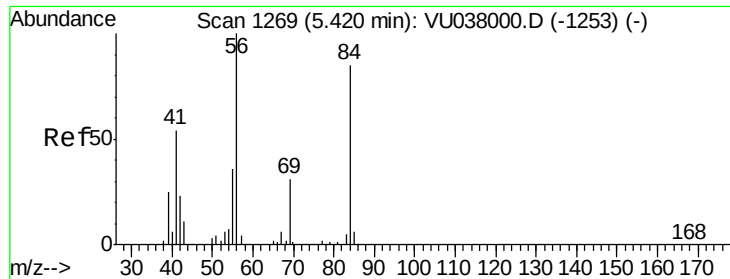
43 100

57 7.8 0.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VU037999.D (-907) (-)

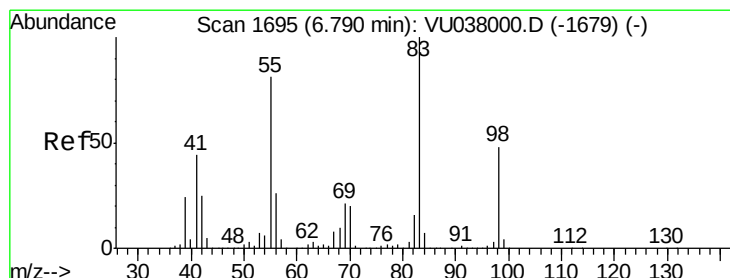
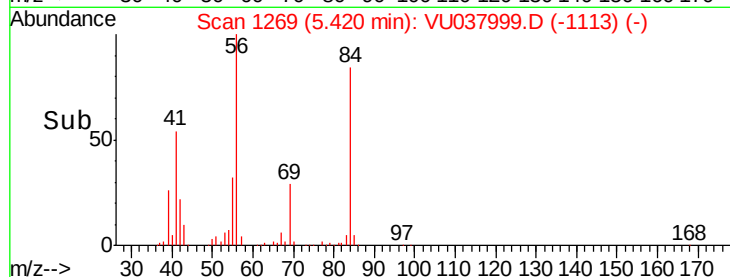
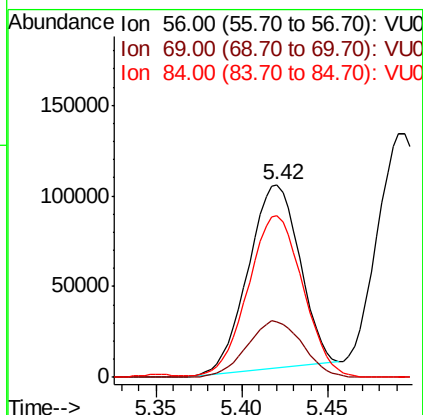
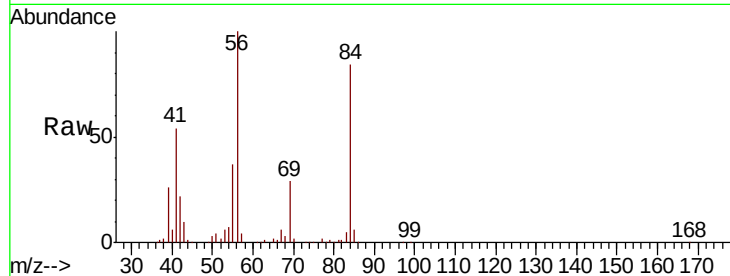




#19
Cyclohexane
Concen: 4.899 ug/l
RT: 5.42 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

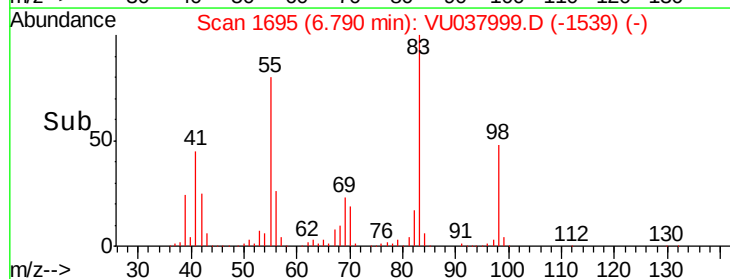
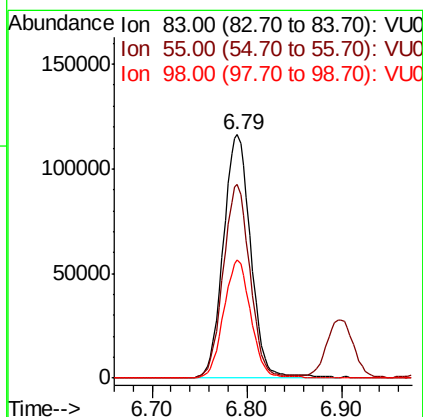
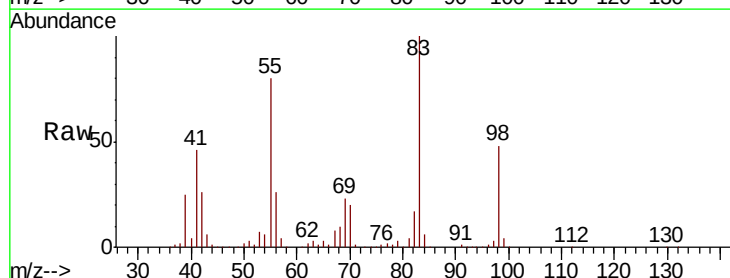
Instrument :
MSVOA_U
ClientSampleId :

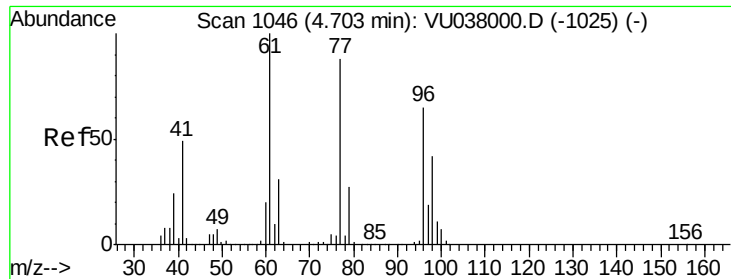
Tot Ion	56	Resp	211357
Ion Ratio	Lower	Upper	
56	100		
69	33.1	24.3	36.5
84	92.3	66.3	99.5



#20
Methylcyclohexane
Concen: 5.429 ug/l
RT: 6.79 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

Tgt Ion	83	Resp	232242
Ion Ratio	Lower	Upper	
83	100		
55	76.5	61.5	92.3
98	47.2	37.3	55.9

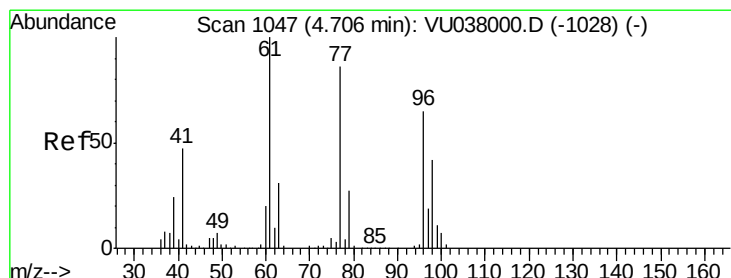
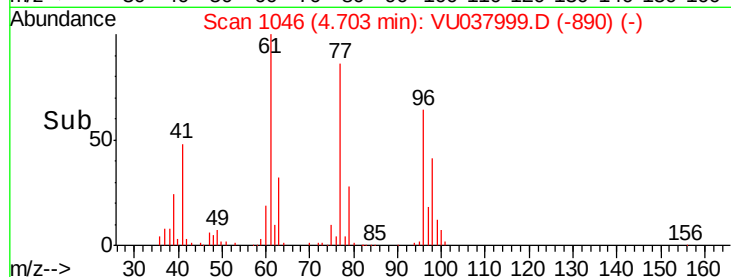
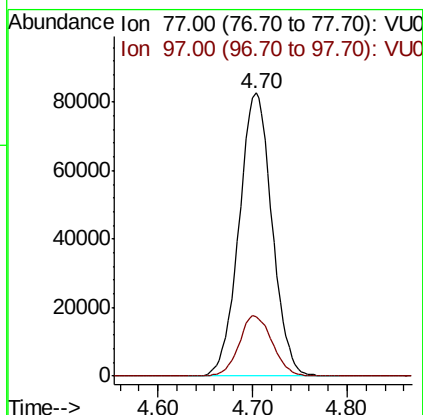
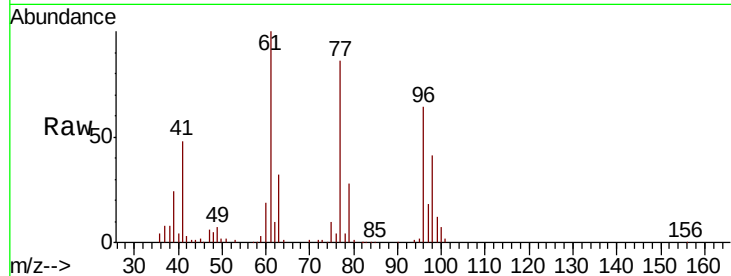




#21
 2,2-Dichloropropane
 Concen: 4.430 ug/l
 RT: 4.70 min Scan# 1046
 Delta R.T. 0.00 min
 Lab File: VU037999.D
 Acq: 04 May 2020 12:12

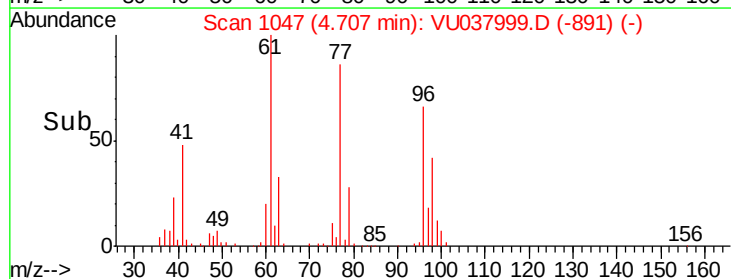
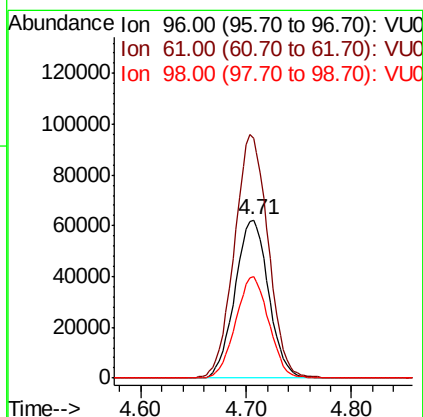
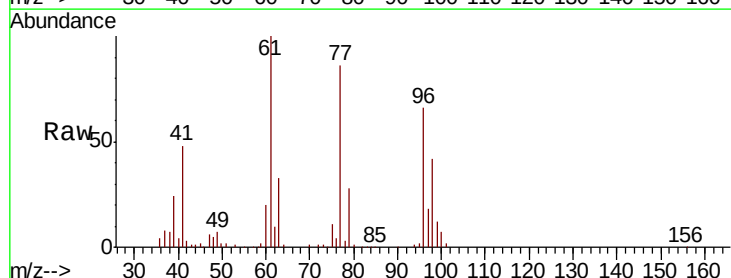
Instrument :
 MSVOA_U
 ClientSampled :

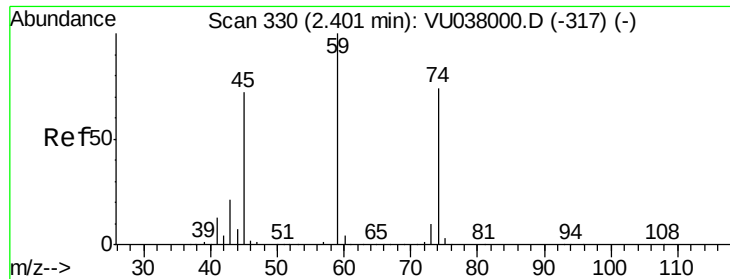
Tot Ion: 77 Resp: 200070
 Ion Ratio Lower Upper
 77 100
 97 21.5 17.4 26.2



#22
 cis-1,2-Dichloroethene
 Concen: 5.146 ug/l
 RT: 4.71 min Scan# 1047
 Delta R.T. 0.00 min
 Lab File: VU037999.D
 Acq: 04 May 2020 12:12

Tgt Ion: 96 Resp: 138127
 Ion Ratio Lower Upper
 96 100
 61 154.6 0.0 389.3
 98 63.3 32.1 96.3

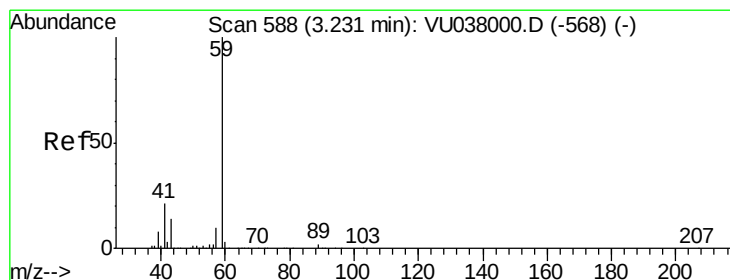
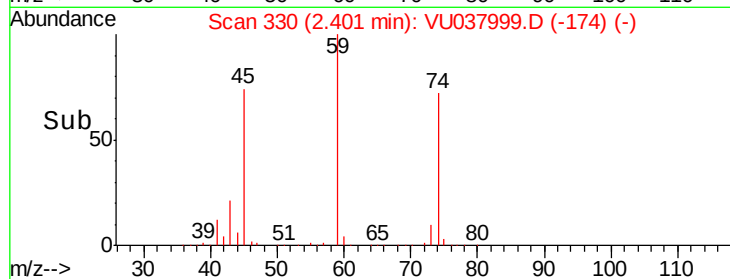
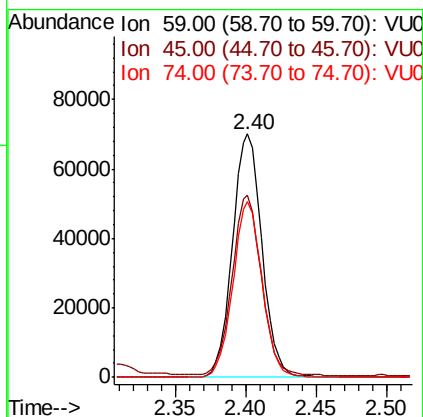
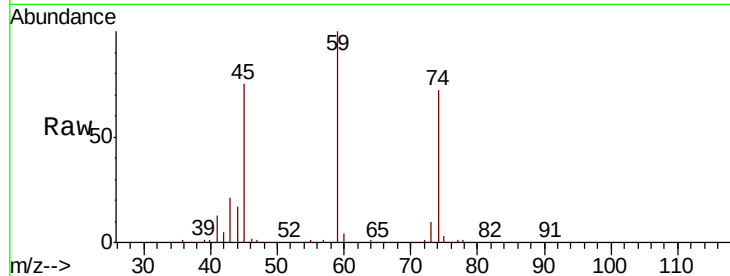




#23
Diethyl Ether
Concen: 5.744 ug/l
RT: 2.40 min Scan# 330
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

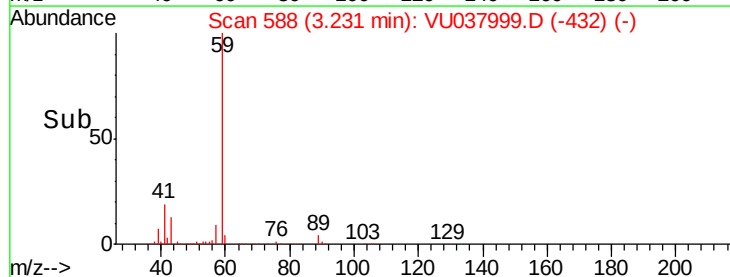
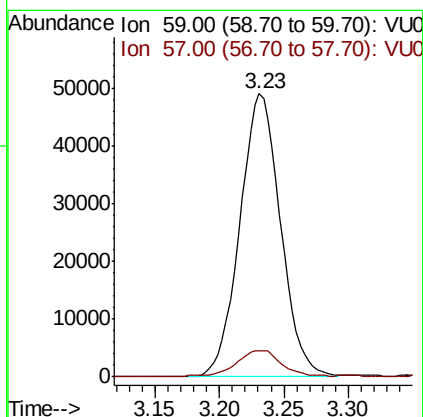
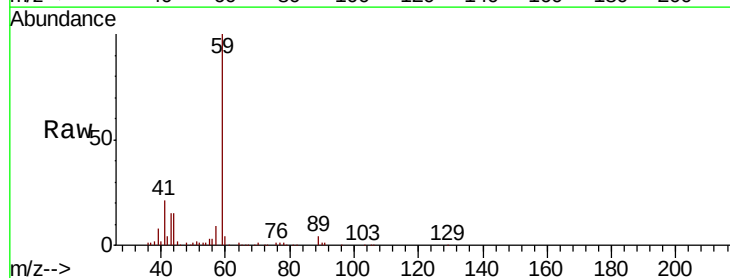
Instrument :
MSVOA_U
ClientSampleId :

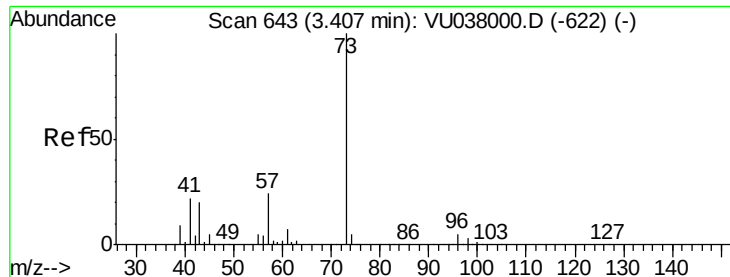
Tot Ion	Ratio	Lower	Upper
59	100		
45	73.7	59.8	89.6
74	71.5	58.2	87.4



#24
tert-Butyl Alcohol
Concen: 56.335 ug/l
RT: 3.23 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.2	12.4





#25

Methyl tert-Butyl Ether

Concen: 5.330 ug/l

RT: 3.40 min Scan# 642

Delta R.T. -0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

Instrument :

MSVOA_U

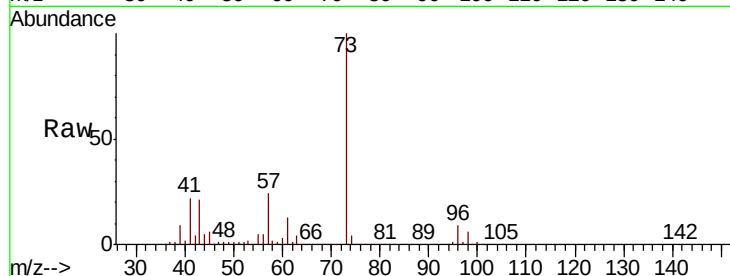
ClientSampleId :

Tot Ion: 73 Resp: 322851

Ion Ratio Lower Upper

73 100

43 20.2 16.2 24.2



Abundance Ion 73.00 (72.70 to 73.70): VU037999.D (-487) (-)

Ion 43.00 (42.70 to 43.70): VU037999.D (-487) (-)

3.40

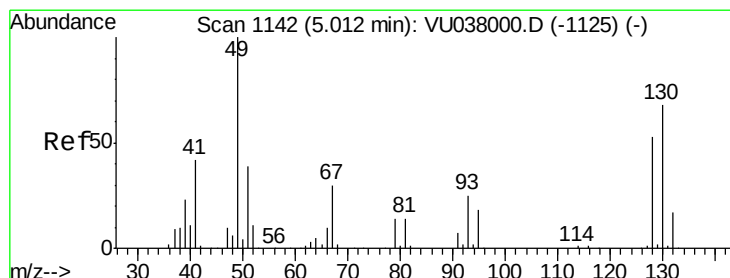
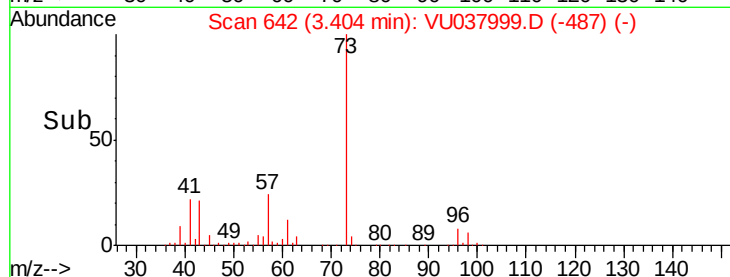
150000

100000

50000

0

Time-->



#26

Bromochloromethane

Concen: 4.589 ug/l

RT: 5.01 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

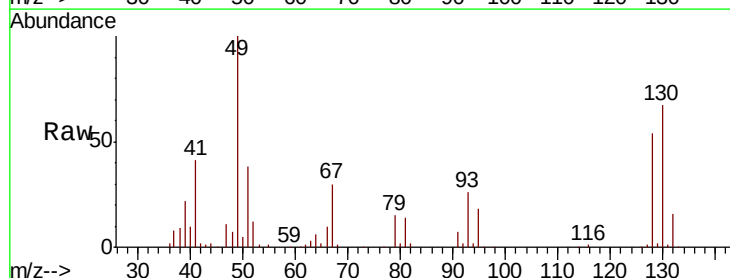
Tgt Ion: 128 Resp: 53487

Ion Ratio Lower Upper

128 100

49 194.4 0.0 376.0

130 128.9 102.6 153.8



Abundance Ion 128.00 (127.70 to 128.70): VU037999.D (-986) (-)

Ion 49.00 (48.70 to 49.70): VU037999.D (-986) (-)

Ion 130.00 (129.70 to 130.70): VU037999.D (-986) (-)

5.01

60000

50000

40000

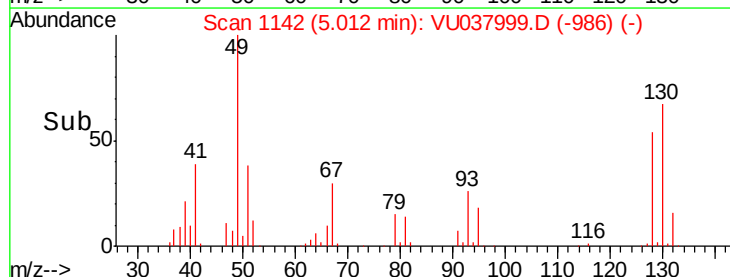
30000

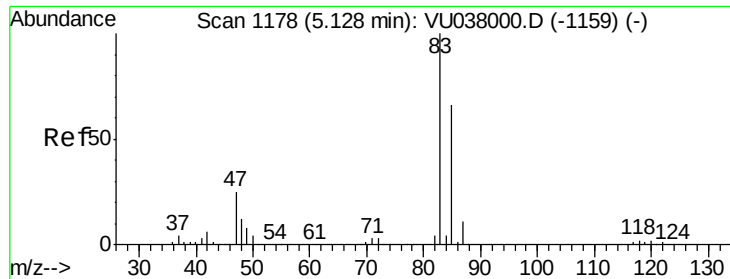
20000

10000

0

Time-->

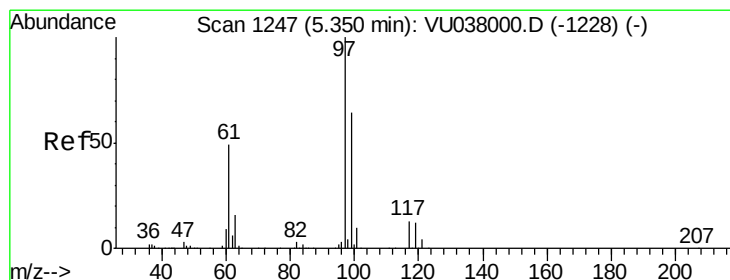
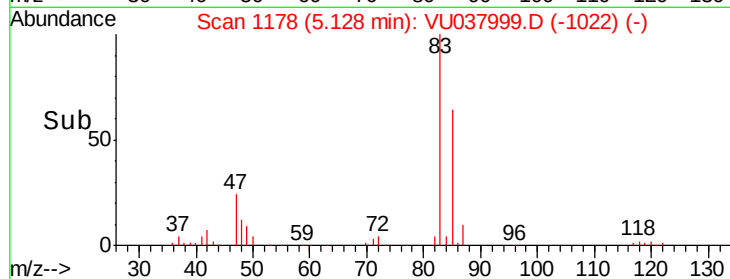
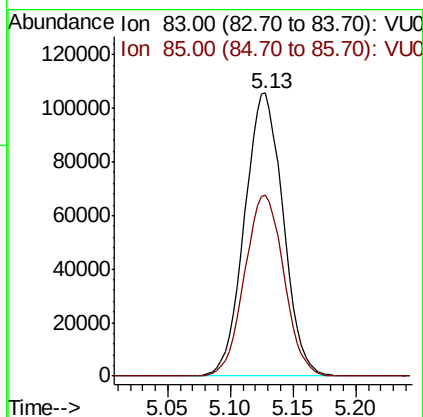
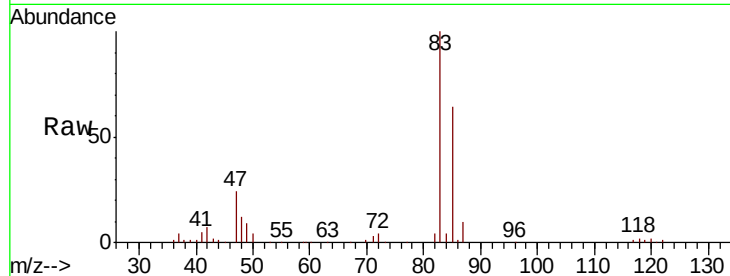




#27
Chloroform
Concen: 4.272 ug/l
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

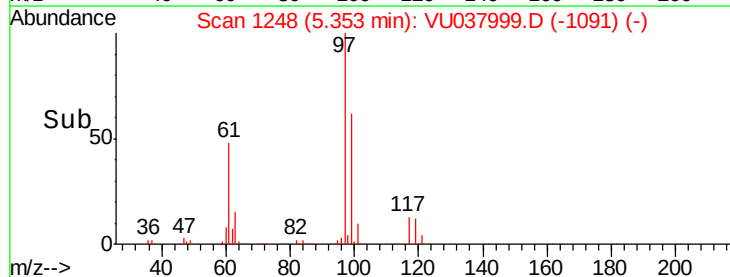
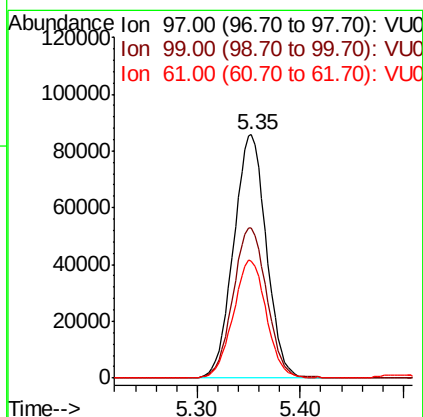
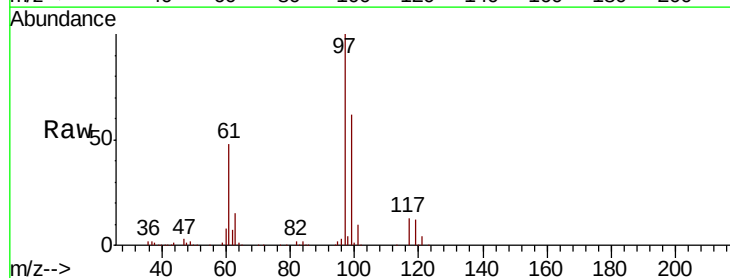
Instrument :
MSVOA_U
ClientSampled :

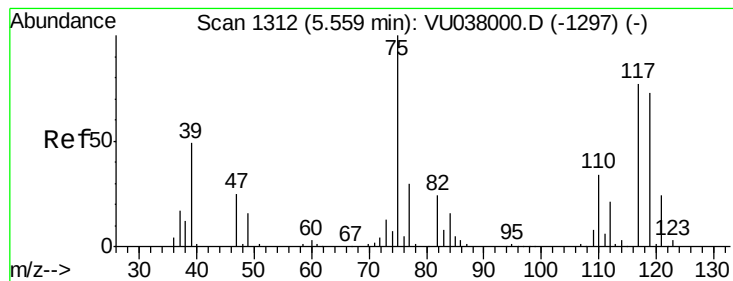
Tot Ion: 83 Resp: 226385
Ion Ratio Lower Upper
83 100
85 64.2 0.0 132.0



#28
1,1,1-Trichloroethane
Concen: 4.206 ug/l
RT: 5.35 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

Tgt Ion: 97 Resp: 188762
Ion Ratio Lower Upper
97 100
99 63.8 31.9 95.9
61 49.2 24.1 72.4





#29

1,1-Dichloropropene

Concen: 4.968 ug/l

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

Instrument :
MSVOA_U
ClientSampleId :

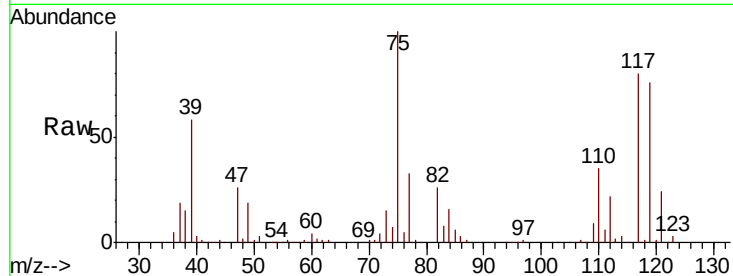
Tot Ion: 75 Resp: 186291

Ion Ratio Lower Upper

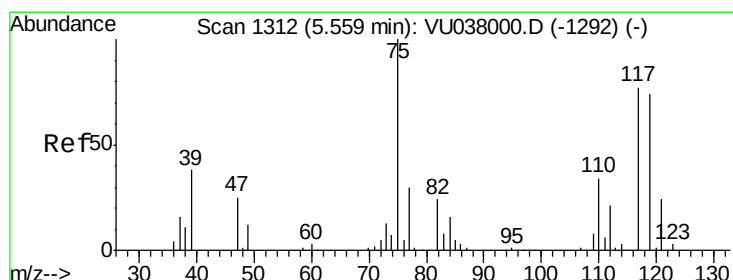
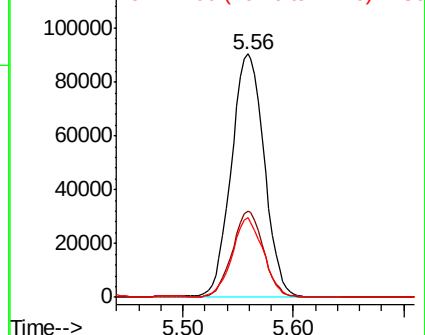
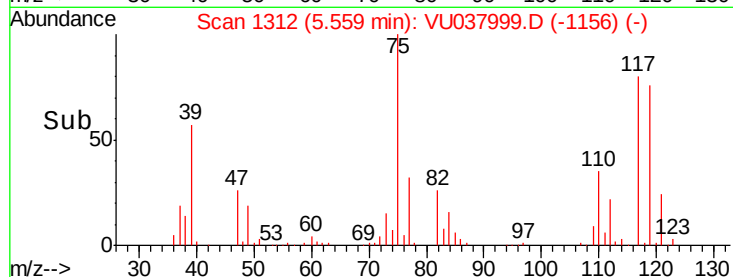
75 100

110 33.9 16.7 50.1

77 30.5 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VU038000.D (-1297) (-)



#30

Carbon Tetrachloride

Concen: 4.071 ug/l

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

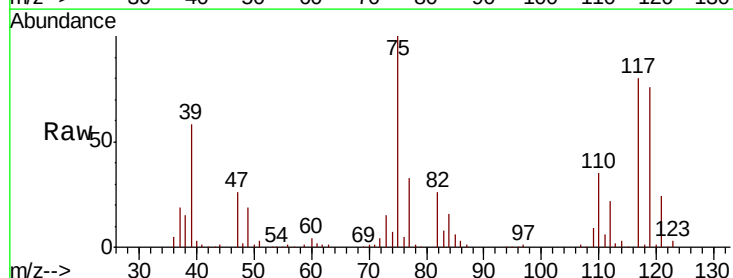
Tgt Ion: 117 Resp: 158248

Ion Ratio Lower Upper

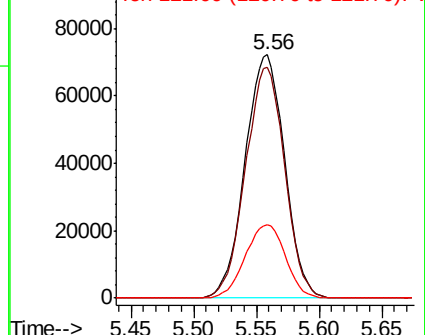
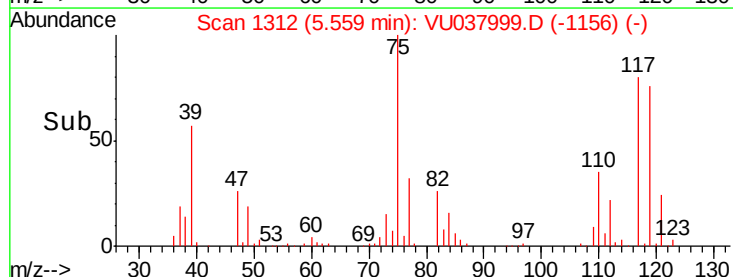
117 100

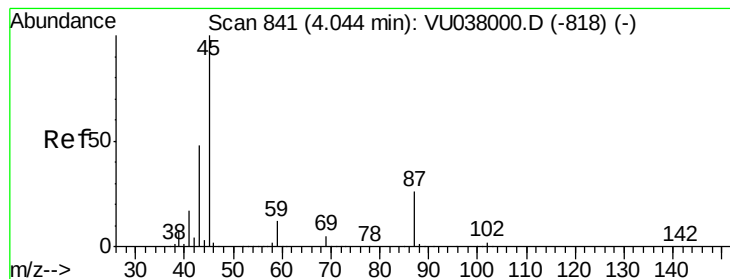
119 94.8 76.3 114.5

121 30.0 24.7 37.1



Abundance Ion 117.00 (116.70 to 117.70): VU038000.D (-1292) (-)





#31

Isopropyl Ether

Concen: 5.022 ug/l

RT: 4.04 min Scan# 841

Delta R.T. 0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

Instrument :

MSVOA_U

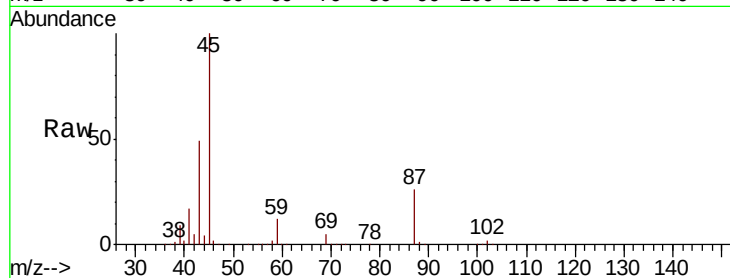
ClientSampleId :

Tot Ion: 45 Resp: 401971

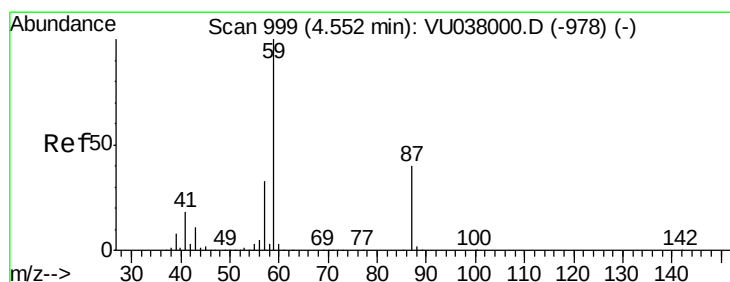
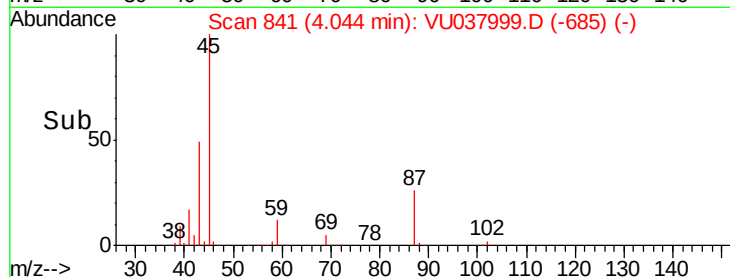
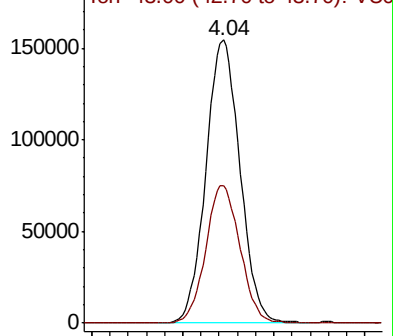
Ion Ratio Lower Upper

45 100

43 48.4 24.2 72.6



Abundance Ion 45.00 (44.70 to 45.70): VU037999.D (-843) (-)



#32

Ethyl-t-butyl ether

Concen: 4.805 ug/l

RT: 4.55 min Scan# 999

Delta R.T. 0.00 min

Lab File: VU037999.D

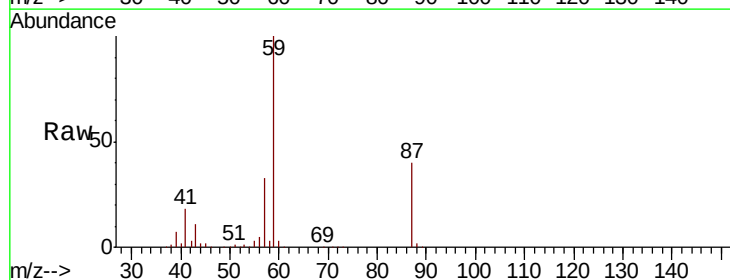
Acq: 04 May 2020 12:12

Tgt Ion: 59 Resp: 360367

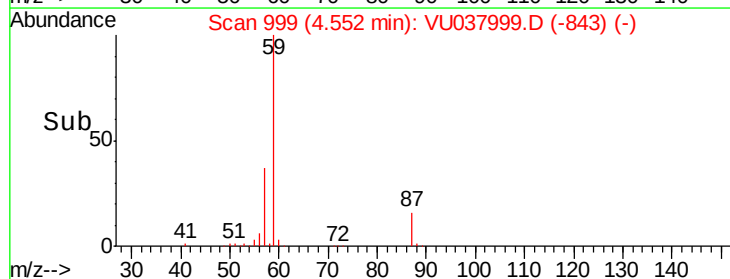
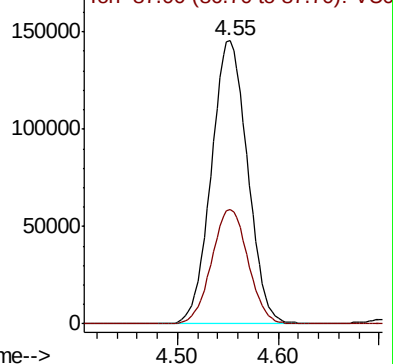
Ion Ratio Lower Upper

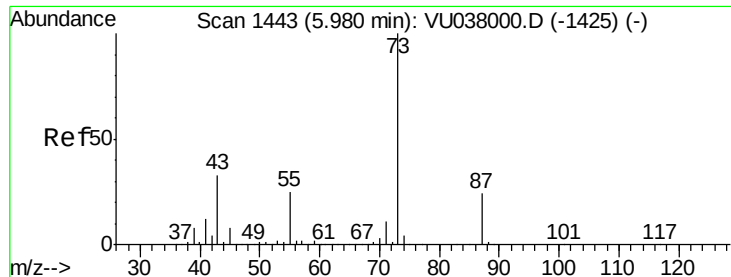
59 100

87 40.7 32.4 48.6



Abundance Ion 59.00 (58.70 to 59.70): VU037999.D (-843) (-)

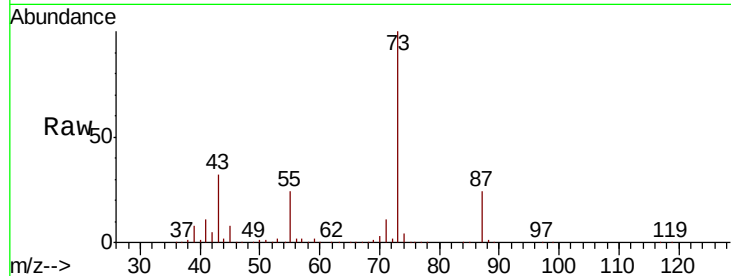




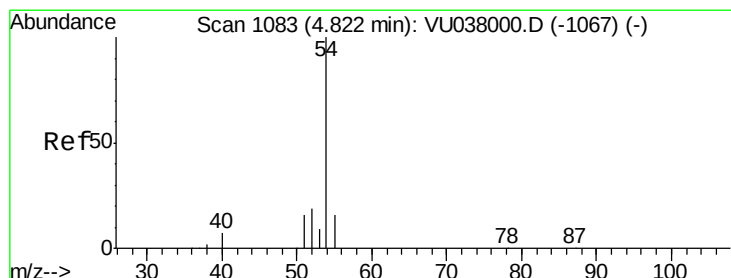
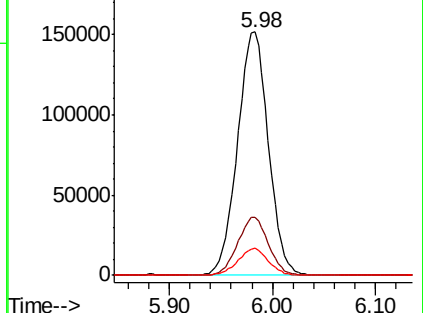
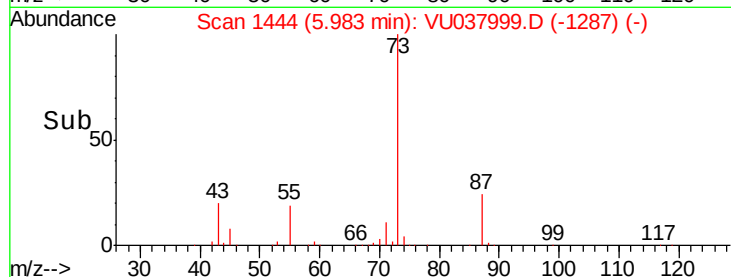
#33
Tert-Butyl methyl ether
Concen: 4.898 ug/l
RT: 5.98 min Scan# 1444
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 314680
Ion Ratio Lower Upper
73 100
87 23.8 18.9 28.3
71 11.0 9.1 13.7

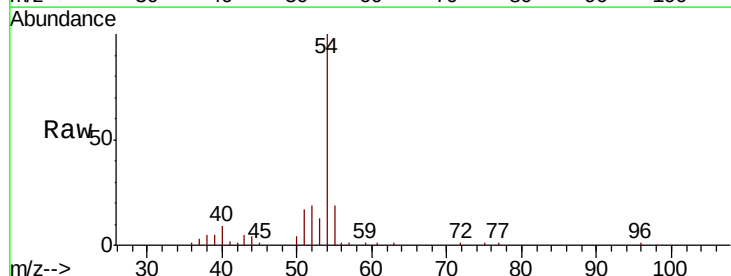


Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 71.00 (70.70 to 71.70): VU0

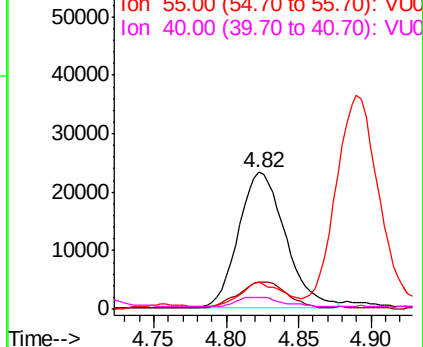
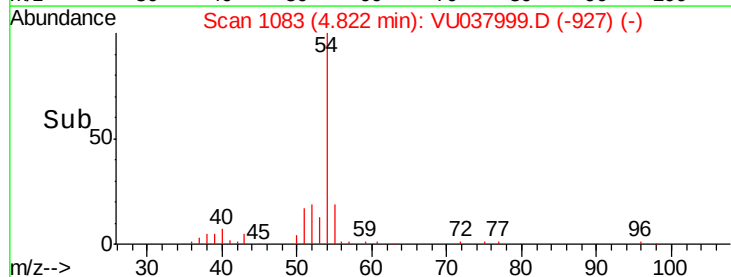


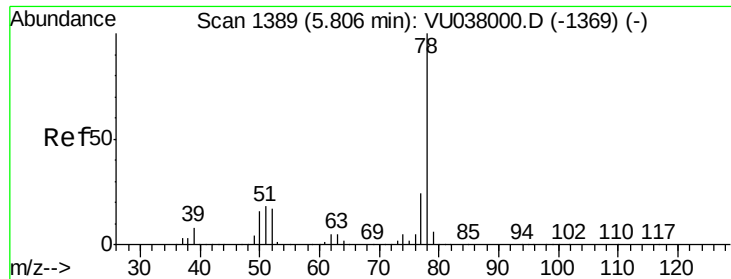
#34
Propionitrile
Concen: 24.198 ug/l
RT: 4.82 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

Tgt Ion: 54 Resp: 52060
Ion Ratio Lower Upper
54 100
52 19.8 15.8 23.8
55 18.3 13.2 19.8
40 6.9 5.2 7.8



Abundance Ion 54.00 (53.70 to 54.70): VU0
Ion 52.00 (51.70 to 52.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 40.00 (39.70 to 40.70): VU0





#35

Benzene

Concen: 4.984 ug/l

RT: 5.81 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

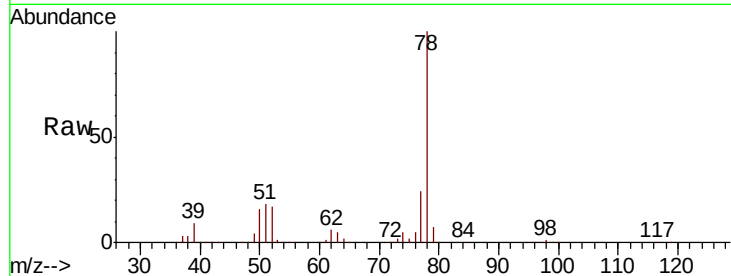
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 78 Resp: 529796

Ion Ratio Lower Upper

78 100

77 24.0 19.3 28.9



Abundance Ion 78.10 (77.80 to 78.80): VU037999.D (-1233) (-)

Ion 77.00 (76.70 to 77.70): VU037999.D (-1233) (-)

5.81

250000

200000

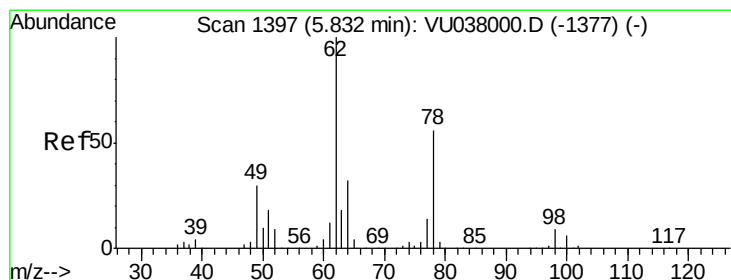
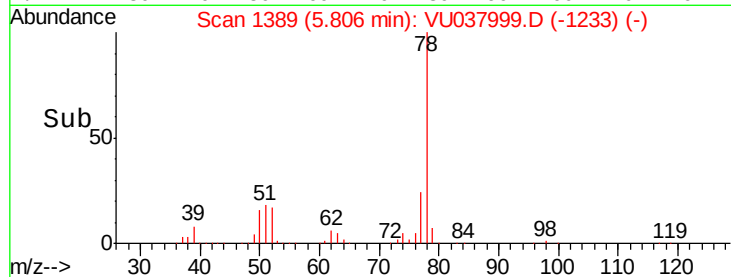
150000

100000

50000

0

Time-->



#36

1,2-Dichloroethane

Concen: 4.184 ug/l

RT: 5.83 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VU037999.D

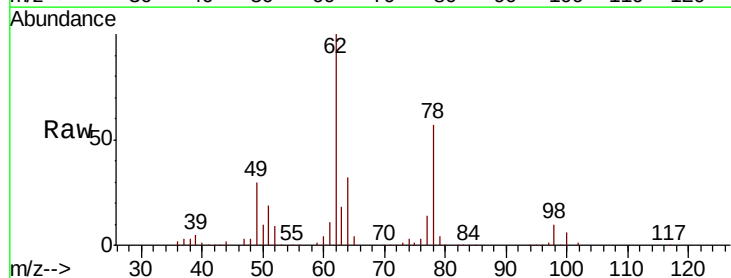
Acq: 04 May 2020 12:12

Tgt Ion: 62 Resp: 157125

Ion Ratio Lower Upper

62 100

98 9.1 7.3 10.9



Abundance Ion 62.00 (61.70 to 62.70): VU037999.D (-1241) (-)

Ion 98.00 (97.70 to 98.70): VU037999.D (-1241) (-)

5.83

80000

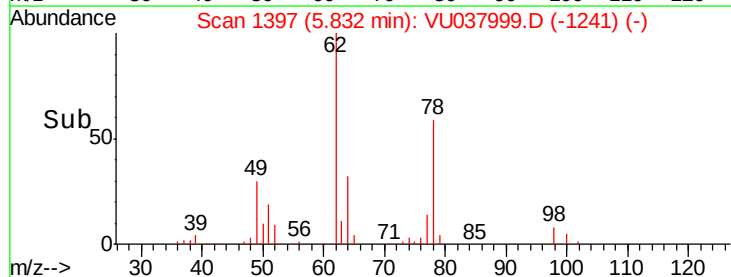
60000

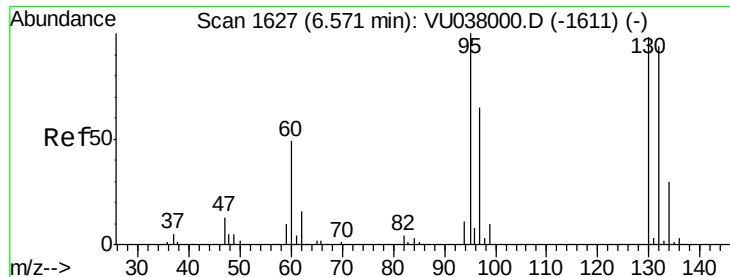
40000

20000

0

Time-->

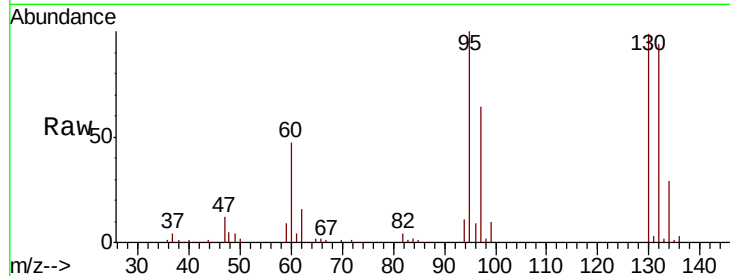




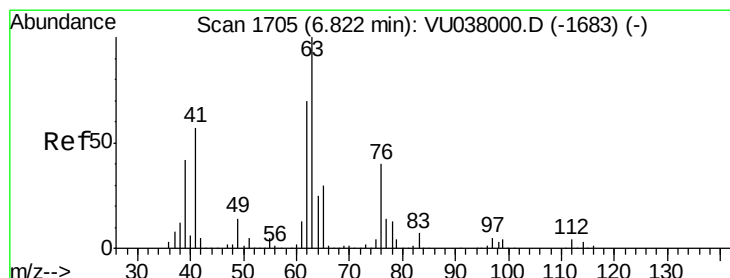
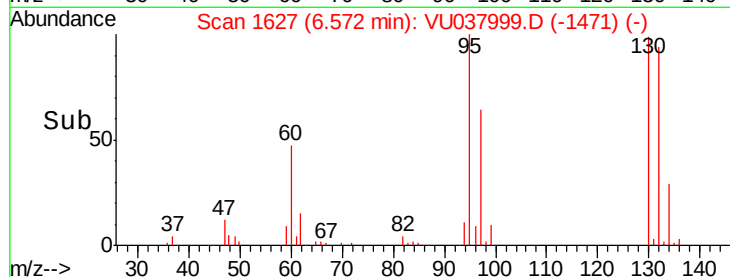
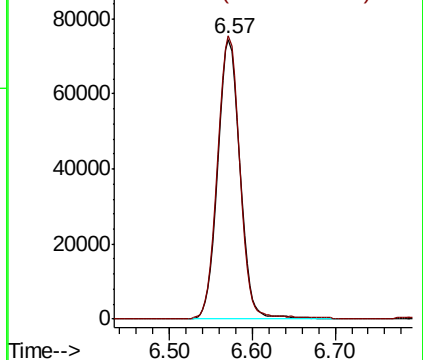
#37
 Trichloroethene
 Concen: 4.965 ug/l
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU037999.D
 Acq: 04 May 2020 12:12

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:130 Resp: 138715
 Ion Ratio Lower Upper
 130 100
 95 101.0 81.6 122.4

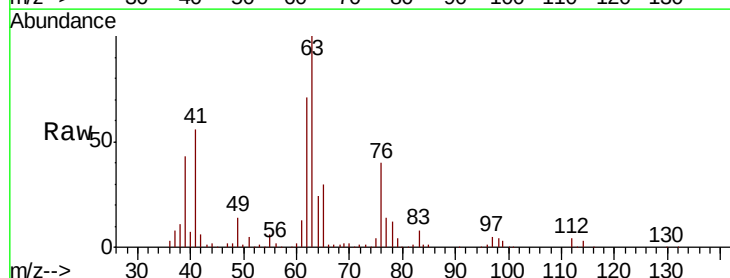


Abundance Ion 129.90 (129.60 to 130.60): VU038000.D (-1611) (-)
 Ion 94.90 (94.60 to 95.60): VU038000.D (-1611) (-)

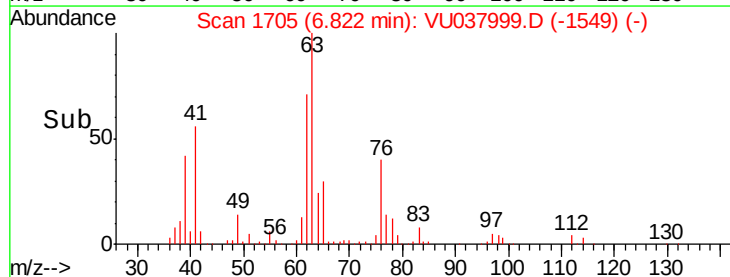
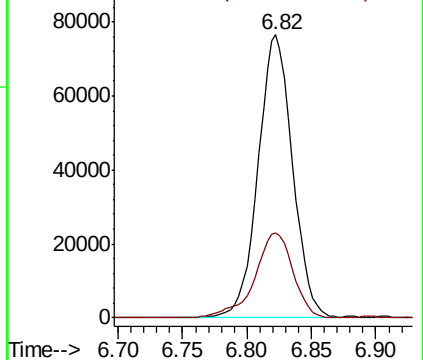


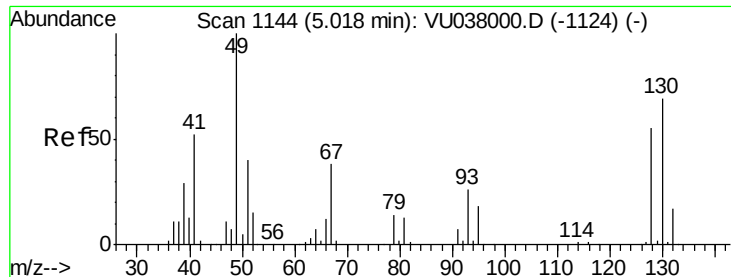
#38
 1,2-Dichloropropane
 Concen: 4.913 ug/l
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU037999.D
 Acq: 04 May 2020 12:12

Tgt Ion: 63 Resp: 142677
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.1 36.1



Abundance Ion 63.00 (62.70 to 63.70): VU038000.D (-1683) (-)
 Ion 65.00 (64.70 to 65.70): VU038000.D (-1683) (-)

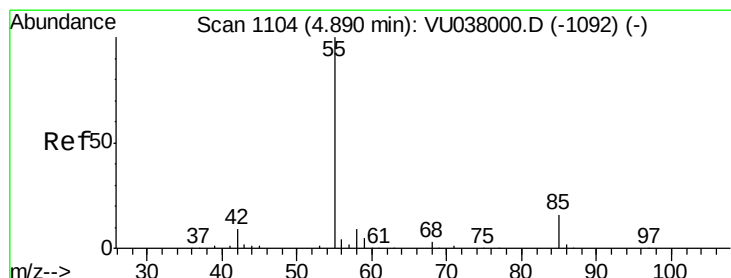
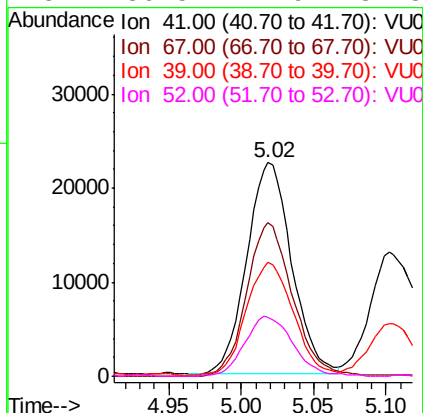
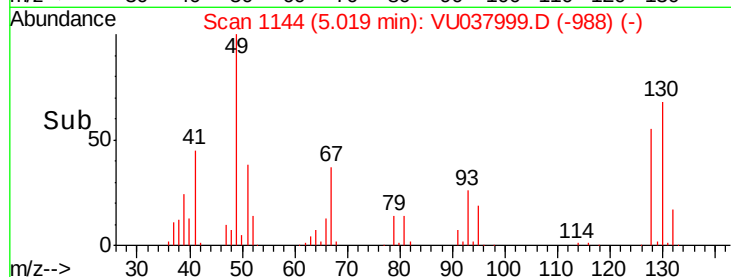
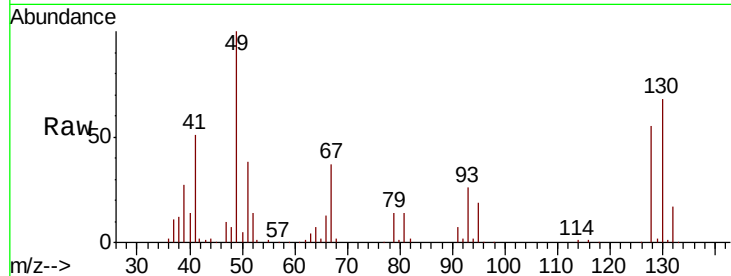




#39
Methacrylonitrile
Concen: 4.724 ug/l
RT: 5.02 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

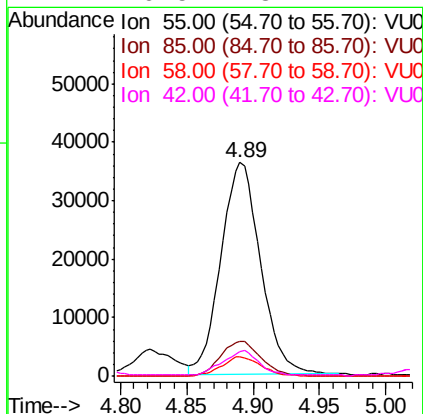
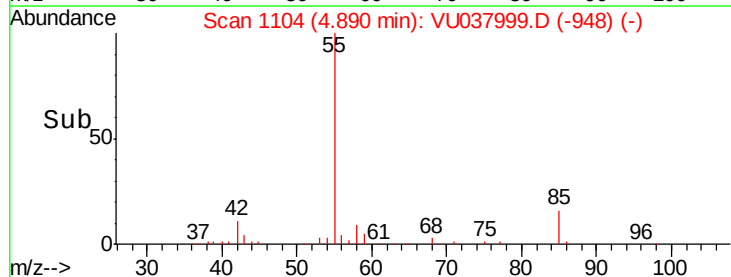
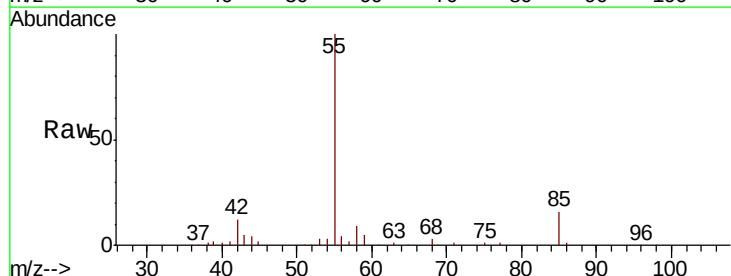
Instrument :
MSVOA_U
ClientSampleId :

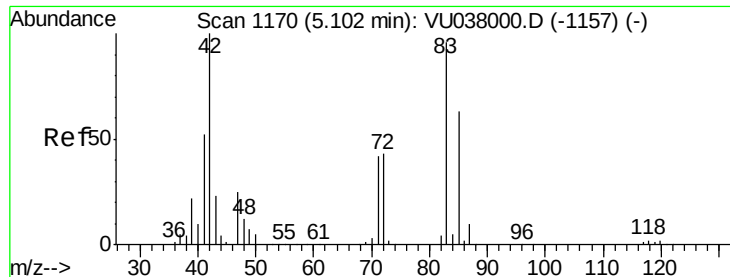
Tot Ion: 41 Resp: 48550
Ion Ratio Lower Upper
41 100
67 74.0 58.0 87.0
39 57.0 43.2 64.8
52 30.5 22.9 34.3



#40
Methyl acrylate
Concen: 5.199 ug/l
RT: 4.89 min Scan# 1104
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

Tgt Ion: 55 Resp: 75529
Ion Ratio Lower Upper
55 100
85 16.6 12.9 19.3
58 8.9 7.2 10.8
42 10.5 8.1 12.1





#41

Tetrahydrofuran

Concen: 9.620 ug/l

RT: 5.11 min Scan# 1172

Delta R.T. 0.01 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

Instrument :
MSVOA_U
ClientSampleId :

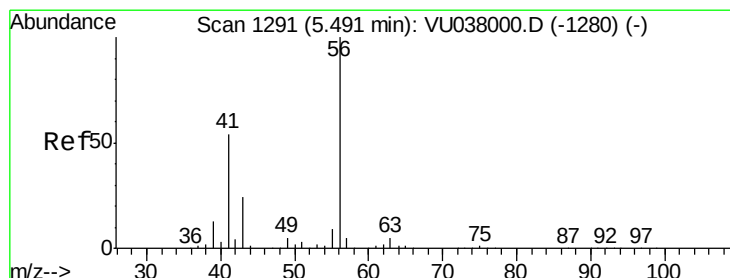
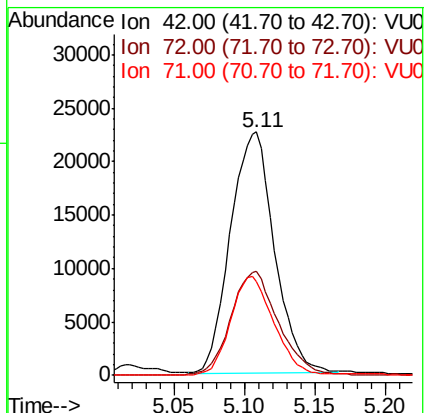
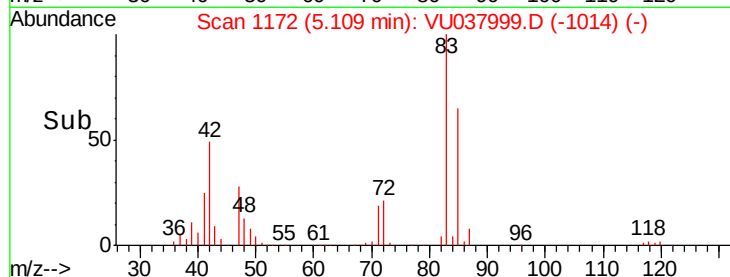
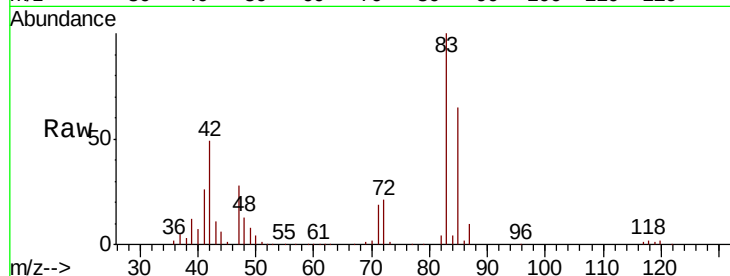
Tot Ion: 42 Resp: 49277

Ion Ratio Lower Upper

42 100

72 46.4 37.4 56.2

71 40.1 32.8 49.2



#42

1-Chlorobutane

Concen: 5.065 ug/l

RT: 5.49 min Scan# 1291

Delta R.T. 0.00 min

Lab File: VU037999.D

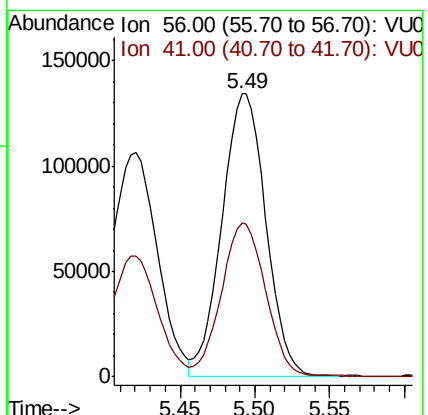
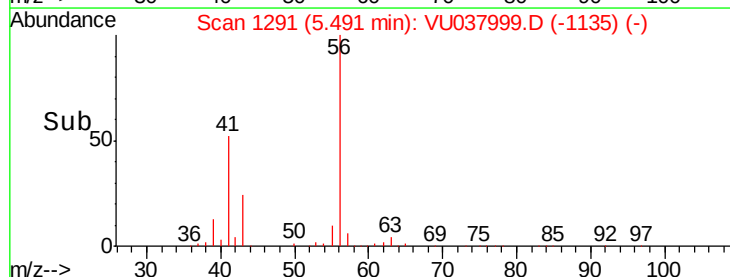
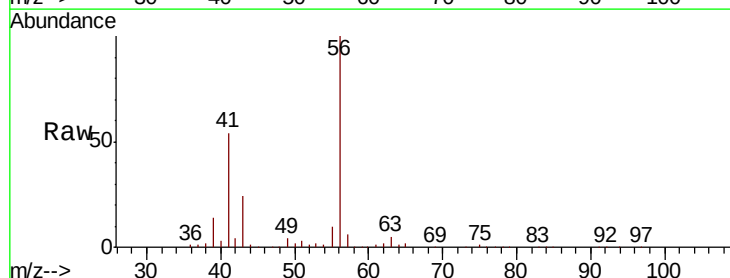
Acq: 04 May 2020 12:12

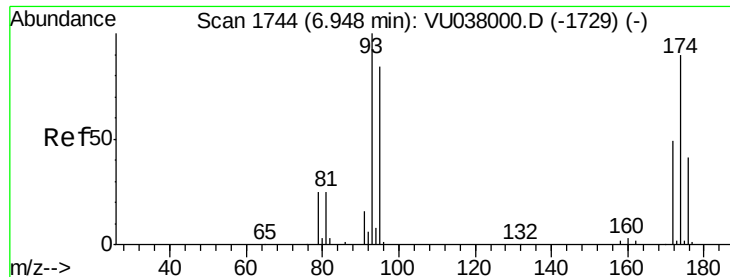
Tgt Ion: 56 Resp: 272739

Ion Ratio Lower Upper

56 100

41 54.2 26.8 80.4





#43

Dibromomethane

Concen: 4.486 ug/l

RT: 6.95 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

Instrument :

MSVOA_U

ClientSampleId :

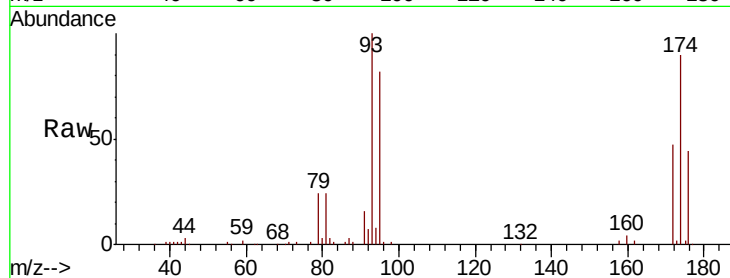
Tot Ion: 93 Resp: 65814

Ion Ratio Lower Upper

93 100

95 83.5 66.1 99.1

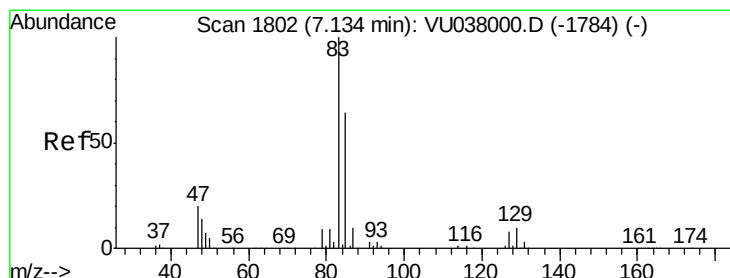
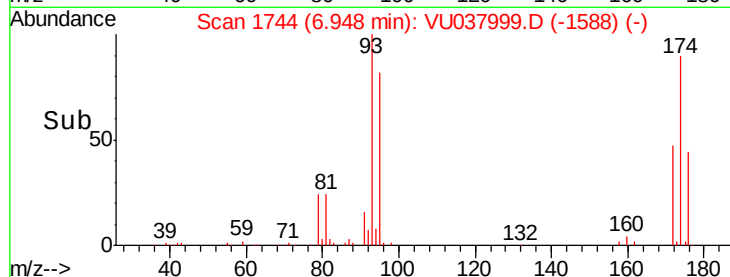
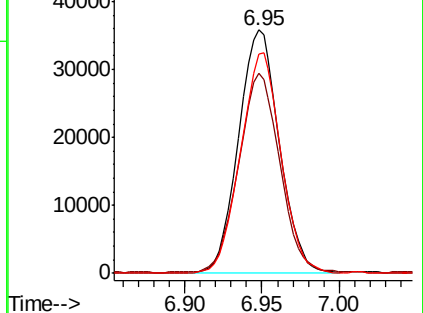
174 89.7 72.8 109.2



Abundance Ion 93.00 (92.70 to 93.70): VU038000.D (-1729) (-)

Ion 95.00 (94.70 to 95.70): VU038000.D (-1729) (-)

Ion 174.00 (173.70 to 174.70): VU038000.D (-1729) (-)



#44

Bromodichloromethane

Concen: 4.367 ug/l

RT: 7.13 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

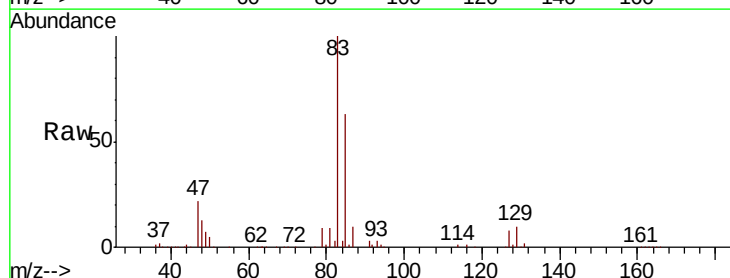
Tgt Ion: 83 Resp: 166067

Ion Ratio Lower Upper

83 100

85 63.2 51.4 77.0

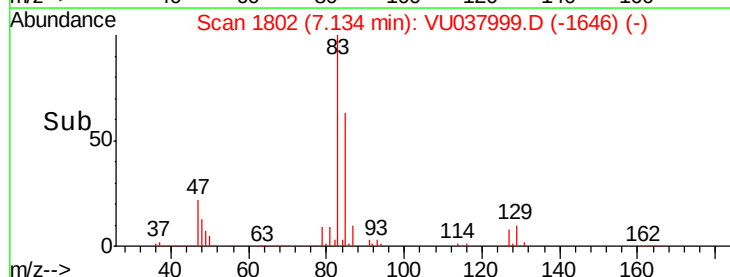
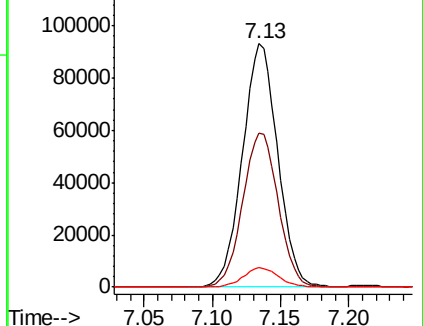
127 8.0 6.2 9.2

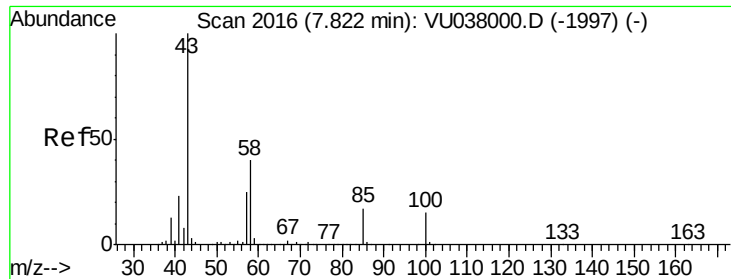


Abundance Ion 83.00 (82.70 to 83.70): VU038000.D (-1784) (-)

Ion 85.00 (84.70 to 85.70): VU038000.D (-1784) (-)

Ion 127.00 (126.70 to 127.70): VU038000.D (-1784) (-)

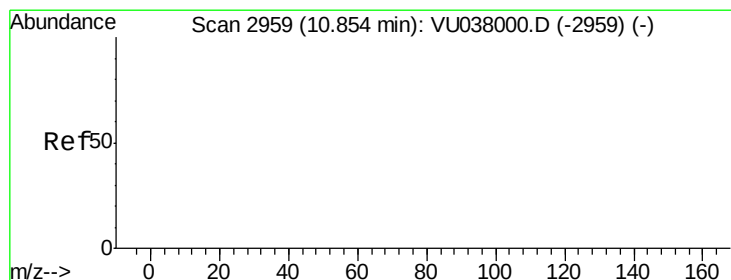
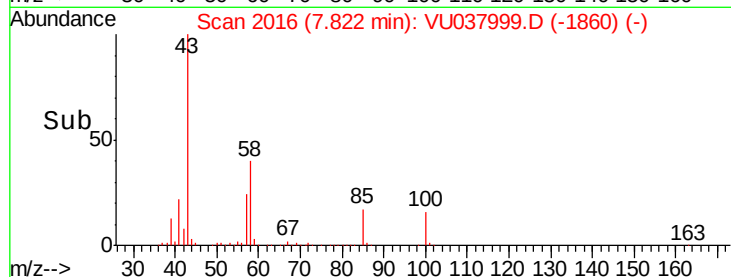
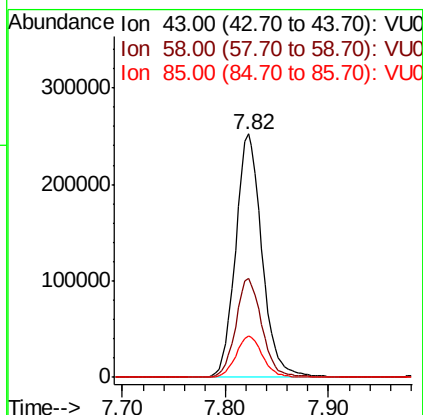
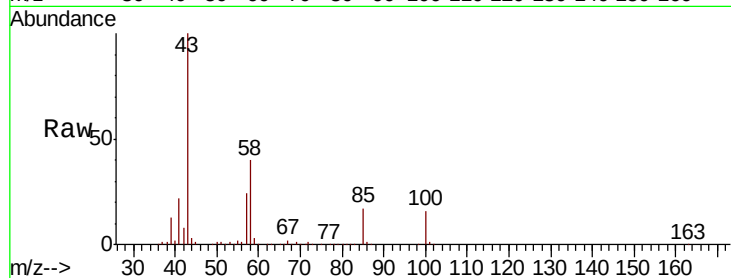




#45
4-Methyl-2-Pentanone
Concen: 22.814 ug/l
RT: 7.82 min Scan# 2016
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

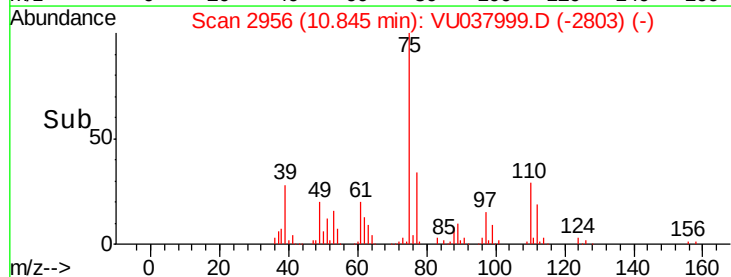
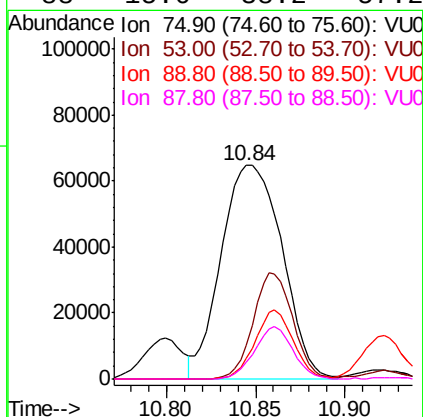
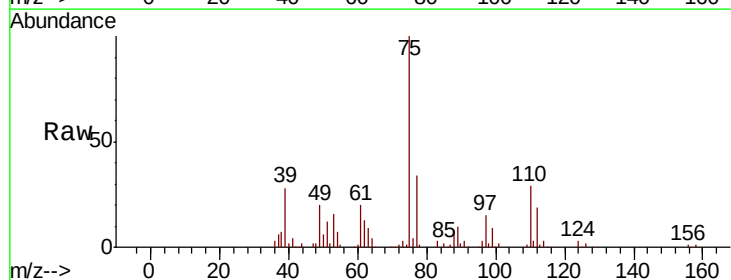
Instrument :
MSVOA_U
ClientSampled :

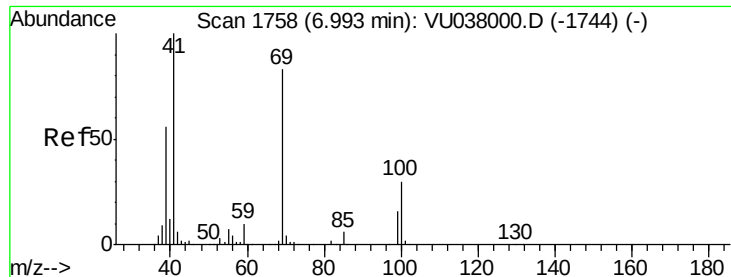
Tot Ion	43	Resp	450132
Ion Ratio	Lower	Upper	
43	100		
58	40.3	20.1	60.3
85	17.1	13.7	20.5



#46
t-1,4-Dichloro-2-butene
Concen: 28.706 ug/l
RT: 10.84 min Scan# 2956
Delta R.T. -0.01 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

Tgt Ion	75	Resp	154610
Ion Ratio	Lower	Upper	
75	100		
53	32.4	81.1	121.7#
89	20.5	53.2	79.8#
88	15.6	38.2	57.2#





#47

Methyl methacrylate

Concen: 11.217 ug/l

RT: 6.99 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 69 Resp: 139091

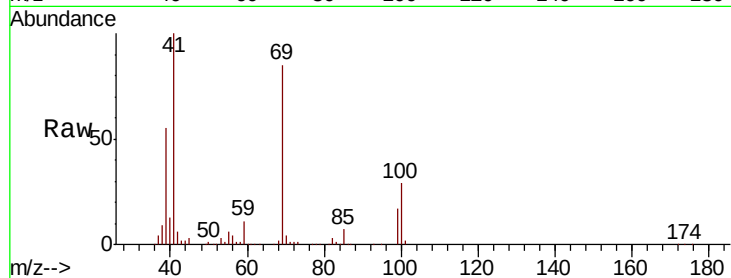
Ion Ratio Lower Upper

69 100

41 117.0 0.0 241.6

39 63.9 52.9 79.3

100 35.0 29.1 43.7

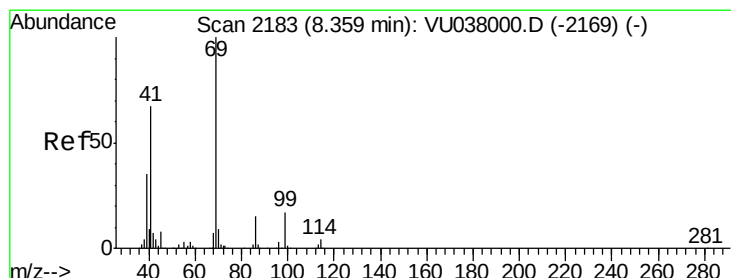
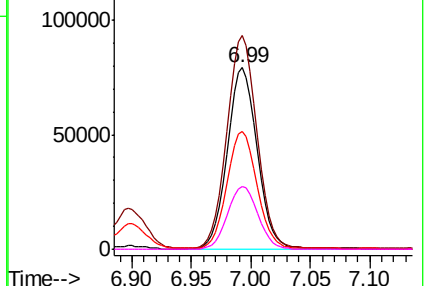
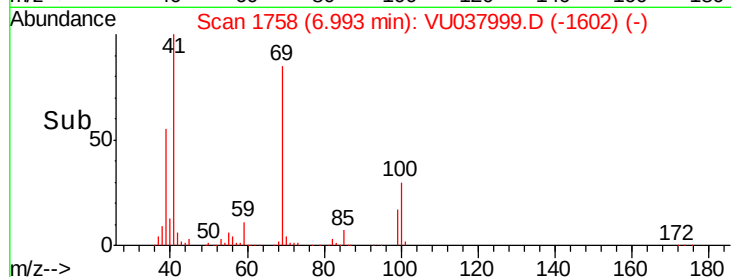


Abundance Ion 69.00 (68.70 to 69.70): VU037999.D (-1602) (-)

Ion 41.00 (40.70 to 41.70): VU037999.D (-1602) (-)

Ion 39.00 (38.70 to 39.70): VU037999.D (-1602) (-)

Ion 100.00 (99.70 to 100.70): VU037999.D (-1602) (-)



#48

Ethyl methacrylate

Concen: 5.120 ug/l

RT: 8.36 min Scan# 2183

Delta R.T. 0.00 min

Lab File: VU037999.D

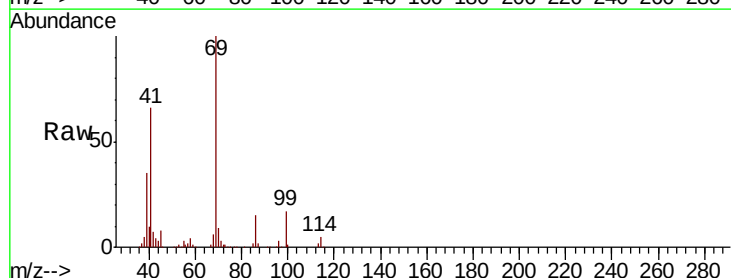
Acq: 04 May 2020 12:12

Tgt Ion: 69 Resp: 125157

Ion Ratio Lower Upper

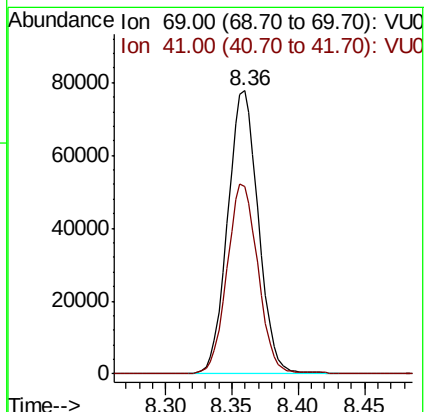
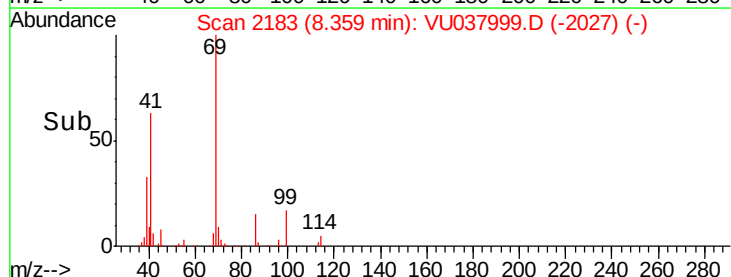
69 100

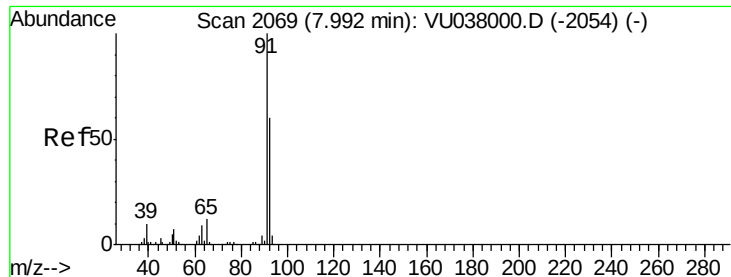
41 68.0 33.6 100.8



Abundance Ion 69.00 (68.70 to 69.70): VU037999.D (-2027) (-)

Ion 41.00 (40.70 to 41.70): VU037999.D (-2027) (-)





#49

Toluene

Concen: 5.272 ug/l

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

Instrument :

MSVOA_U

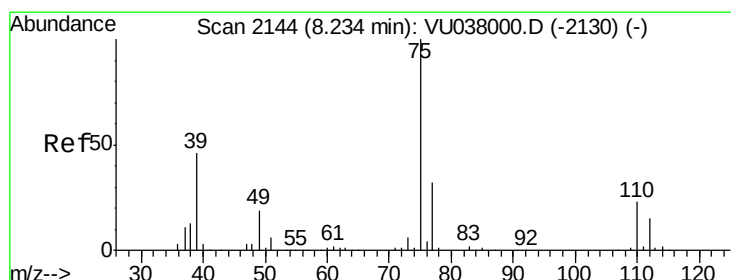
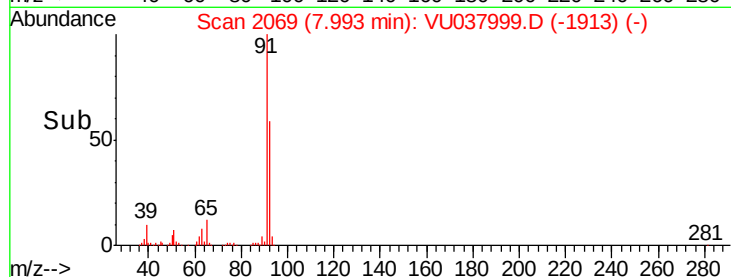
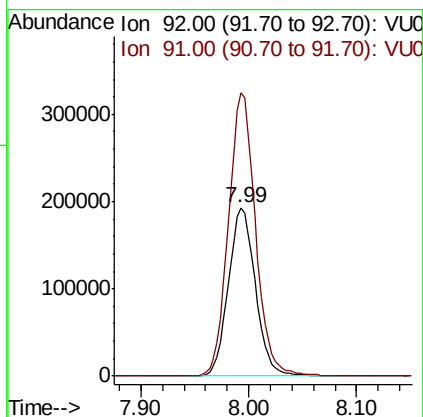
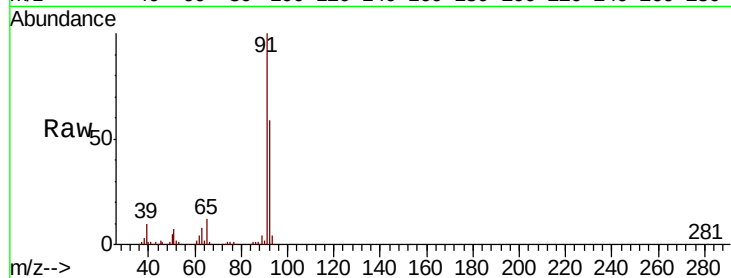
ClientSampleId :

Tot Ion: 92 Resp: 337941

Ion Ratio Lower Upper

92 100

91 168.8 134.4 201.6



#50

t-1,3-Dichloropropene

Concen: 4.866 ug/l

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU037999.D

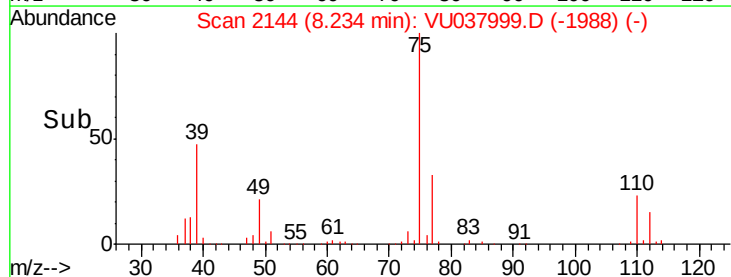
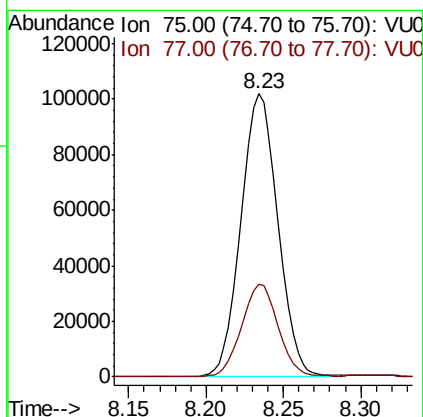
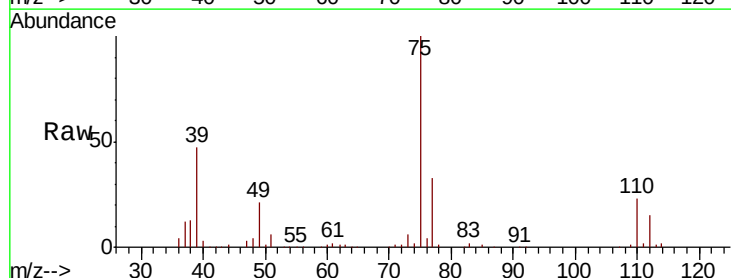
Acq: 04 May 2020 12:12

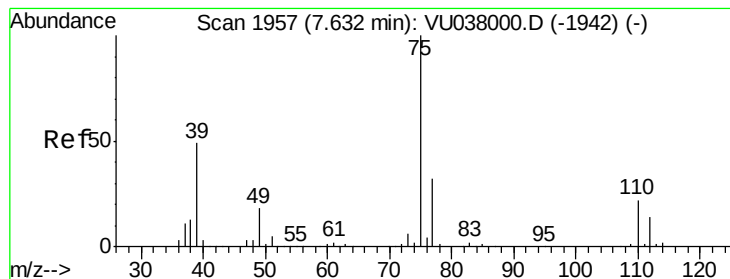
Tgt Ion: 75 Resp: 169820

Ion Ratio Lower Upper

75 100

77 32.7 25.8 38.8



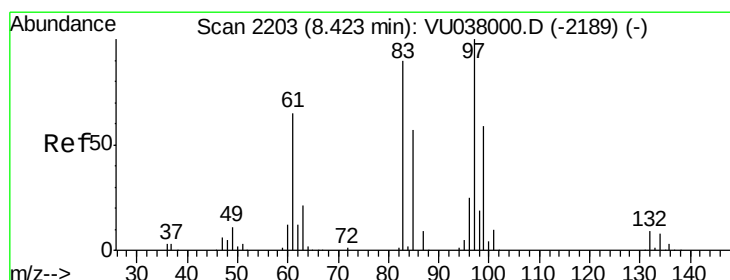
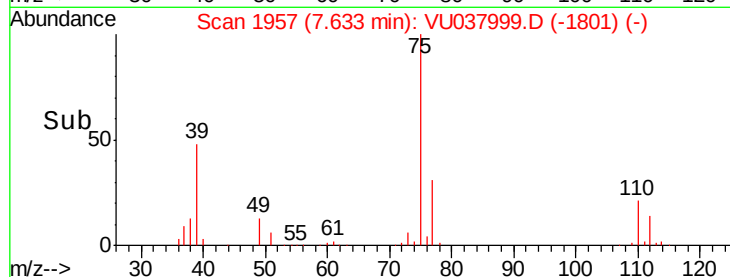
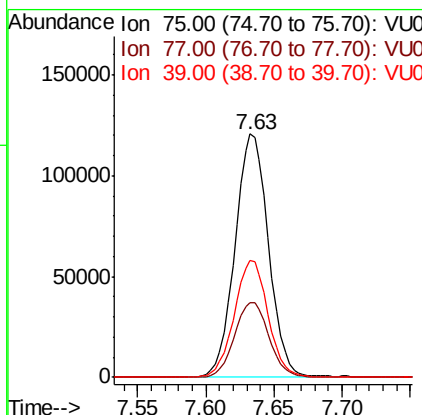
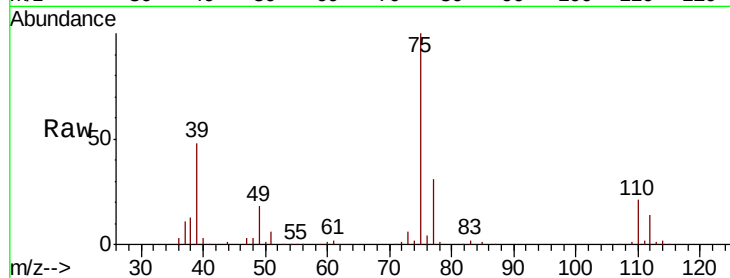


#51

cis-1,3-Dichloropropene
Concen: 5.106 ug/l
RT: 7.63 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

Instrument :
MSVOA_U
ClientSampleId :

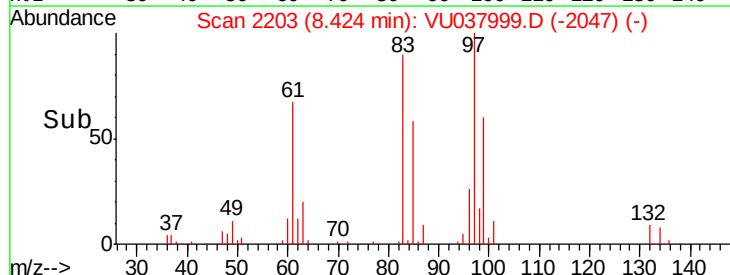
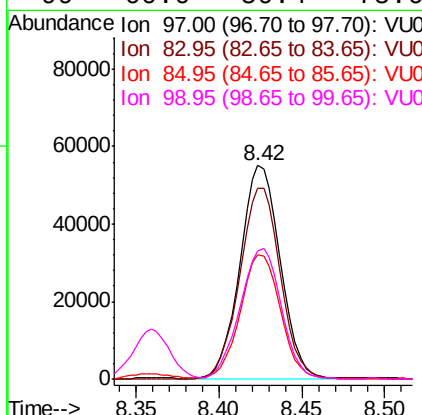
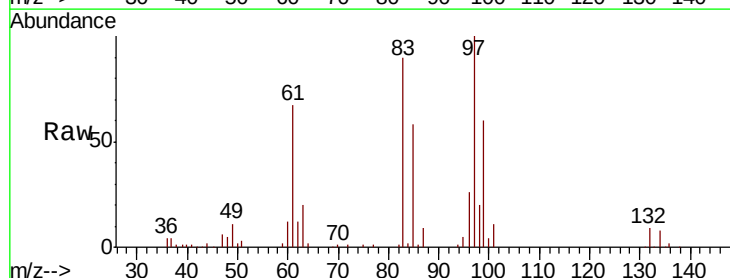
Tot Ion	75	Resp	205597
Ion Ratio	Lower	Upper	
75	100		
77	30.7	25.5	38.3
39	48.1	39.0	58.4

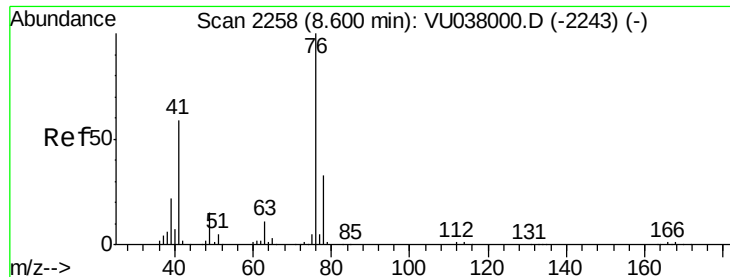


#52

1,1,2-Trichloroethane
Concen: 4.727 ug/l
RT: 8.42 min Scan# 2203
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

Tgt Ion	97	Resp	93255
Ion Ratio	Lower	Upper	
97	100		
83	89.5	72.4	108.6
85	57.7	46.0	69.0
99	60.0	50.4	75.6





#53

1,3-Dichloropropane

Concen: 5.016 ug/l

RT: 8.60 min Scan# 2258

Delta R.T. 0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

Instrument :

MSVOA_U

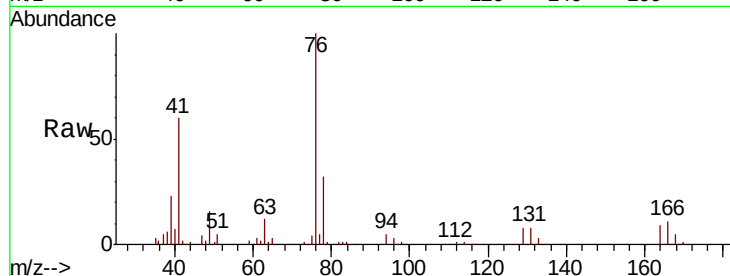
ClientSampled :

Tot Ion: 76 Resp: 177400

Ion Ratio Lower Upper

76 100

78 32.4 25.8 38.6



Abundance Ion 76.00 (75.70 to 76.70): VU037999.D (-2102) (-)

Ion 78.00 (77.70 to 78.70): VU037999.D (-2102) (-)

8.60

120000

100000

80000

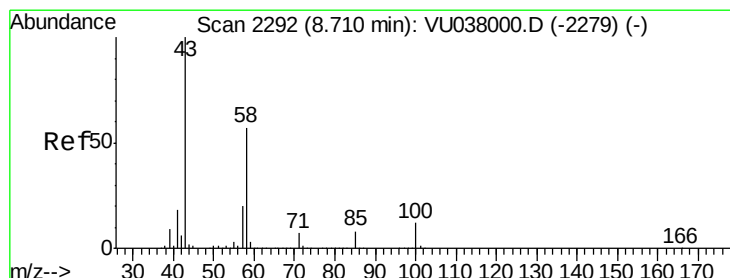
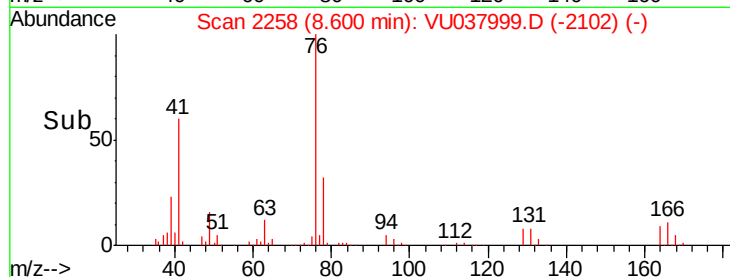
60000

40000

20000

0

Time--> 8.50 8.60 8.70



#54

2-Hexanone

Concen: 23.055 ug/l

RT: 8.71 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

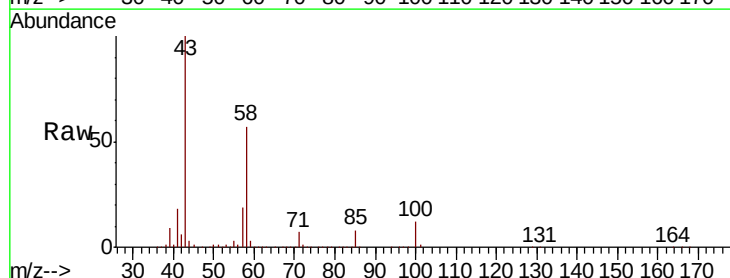
Tgt Ion: 43 Resp: 312621

Ion Ratio Lower Upper

43 100

58 57.0 36.5 76.5

57 19.1 0.0 39.5



Abundance Ion 43.00 (42.70 to 43.70): VU037999.D (-2136) (-)

Ion 58.00 (57.70 to 58.70): VU037999.D (-2136) (-)

Ion 57.00 (56.70 to 57.70): VU037999.D (-2136) (-)

8.71

250000

200000

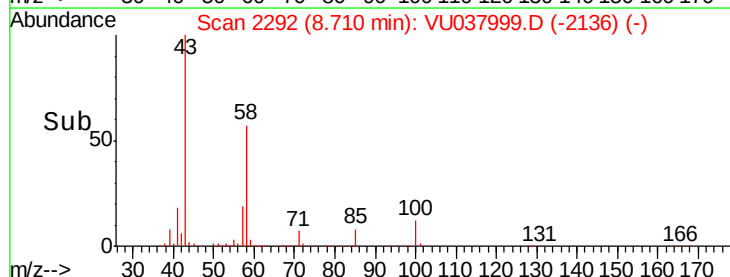
150000

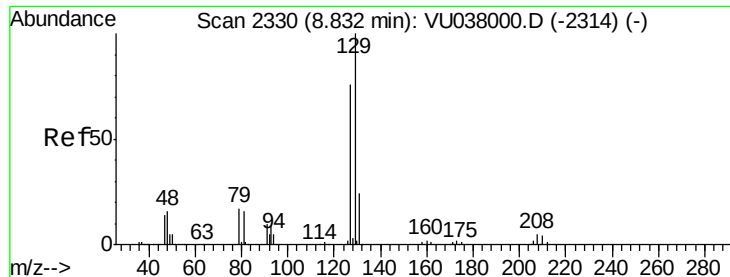
100000

50000

0

Time--> 8.60 8.65 8.70 8.75 8.80

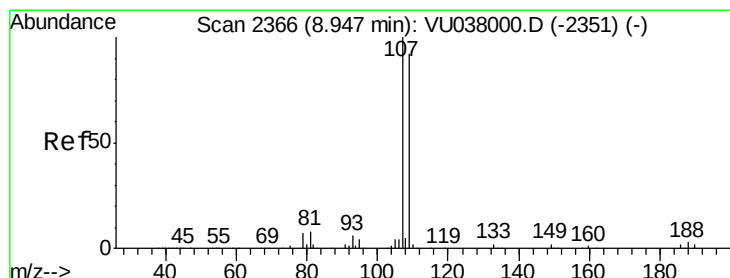
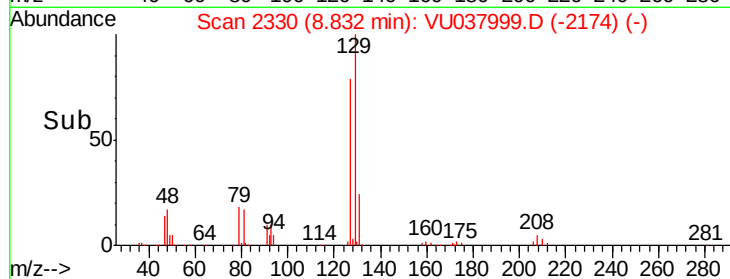
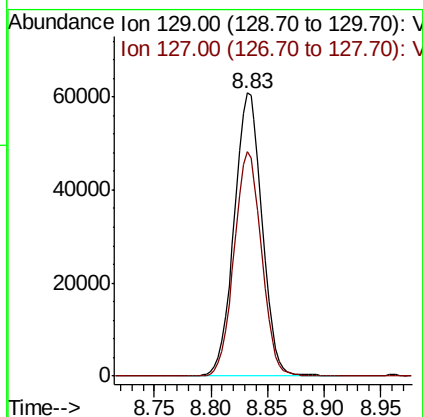
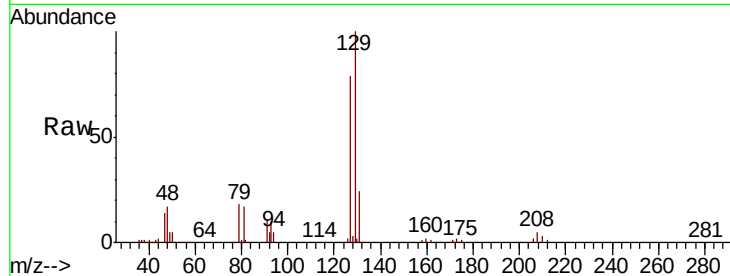




#55
 Dibromochloromethane
 Concen: 4.355 ug/l
 RT: 8.83 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VU037999.D
 Acq: 04 May 2020 12:12

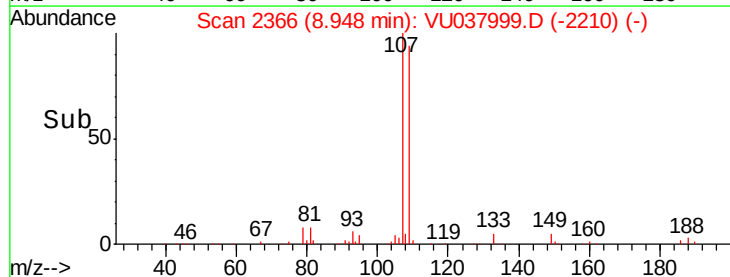
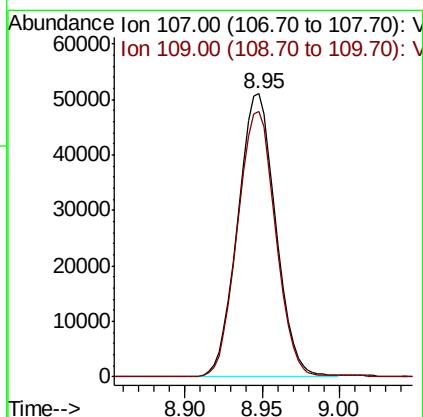
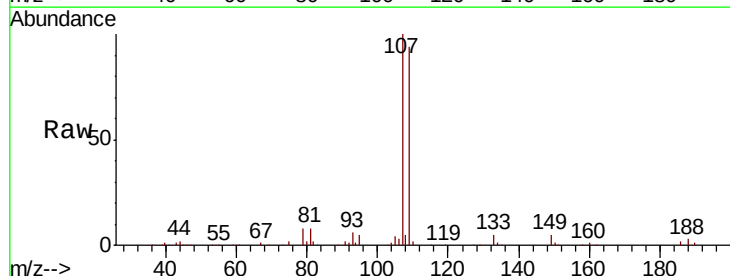
Instrument :
 MSVOA_U
 ClientSampleId :

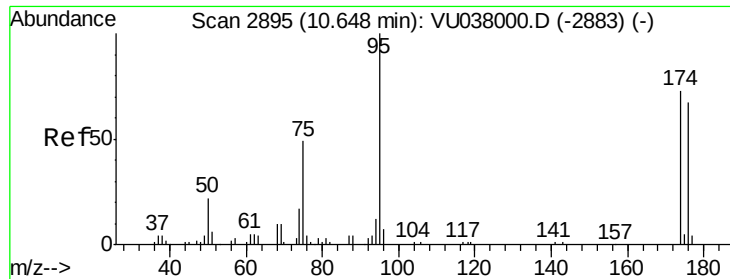
Tot Ion:129 Resp: 104670
 Ion Ratio Lower Upper
 129 100
 127 77.6 62.2 93.2



#56
 1,2-Dibromoethane
 Concen: 4.722 ug/l
 RT: 8.95 min Scan# 2366
 Delta R.T. 0.00 min
 Lab File: VU037999.D
 Acq: 04 May 2020 12:12

Tgt Ion:107 Resp: 87332
 Ion Ratio Lower Upper
 107 100
 109 94.1 0.0 184.6

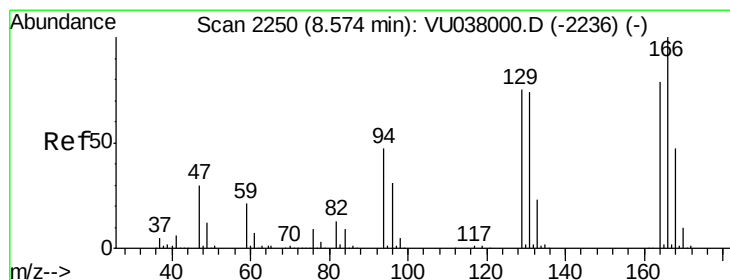
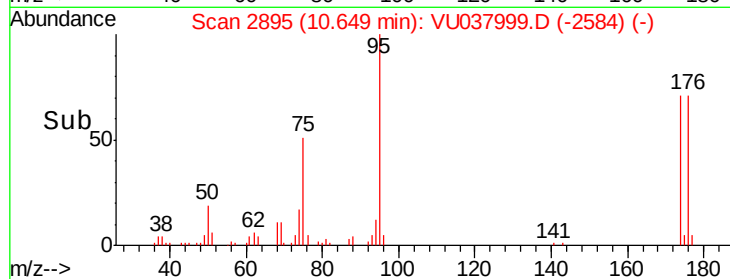
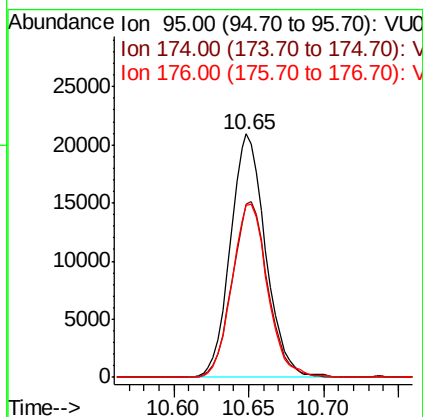
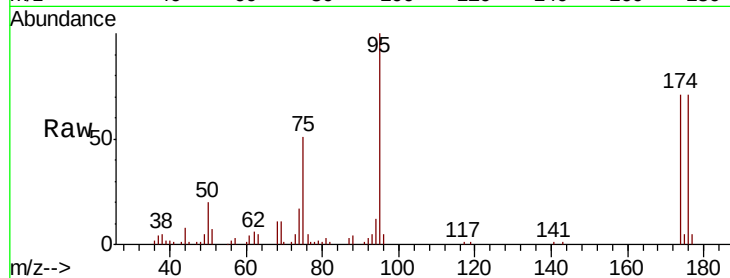




#57
4-Bromofluorobenzene
Concen: 0.999 ug/l
RT: 10.65 min Scan# 2895
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

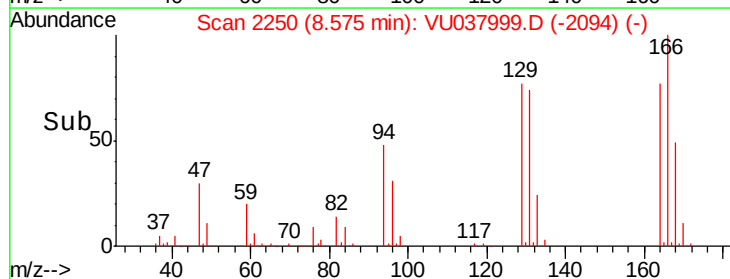
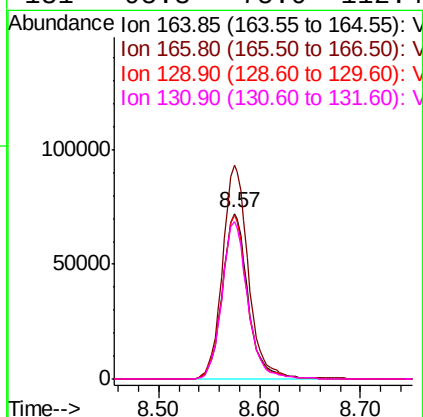
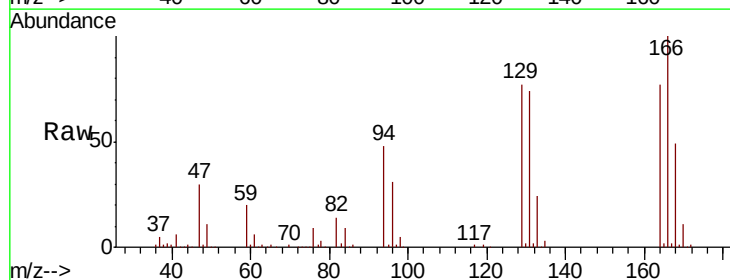
Instrument :
MSVOA_U
ClientSampled :

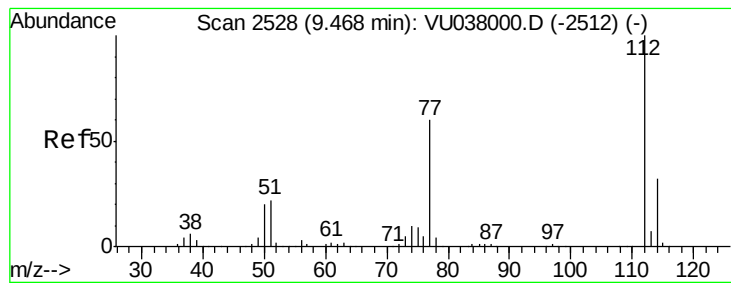
Tot Ion: 95 Resp: 34245
Ion Ratio Lower Upper
95 100
174 73.1 61.2 91.8
176 72.0 57.1 85.7



#58
Tetrachloroethene
Concen: 4.906 ug/l
RT: 8.57 min Scan# 2250
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

Tgt Ion: 164 Resp: 128698
Ion Ratio Lower Upper
164 100
166 129.3 101.5 152.3
129 99.3 76.6 114.8
131 95.3 75.0 112.4





#59

Chlorobenzene

Concen: 5.008 ug/l

RT: 9.47 min Scan# 2527

Delta R.T. -0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

Instrument :

MSVOA_U

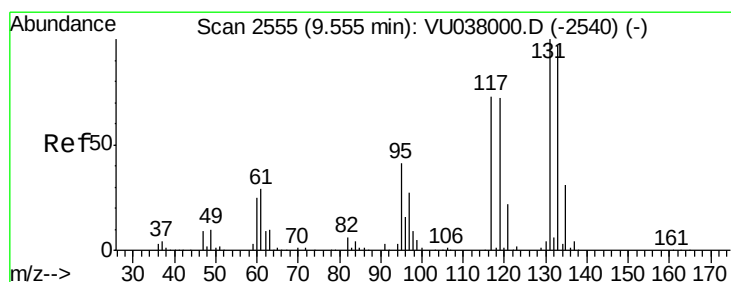
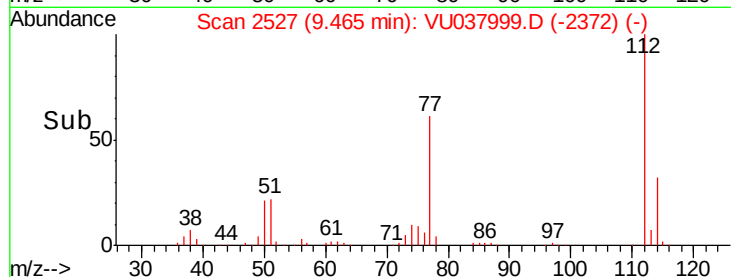
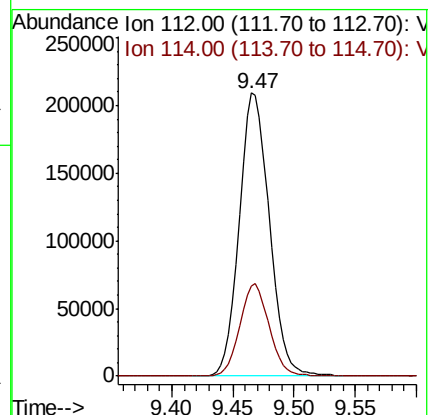
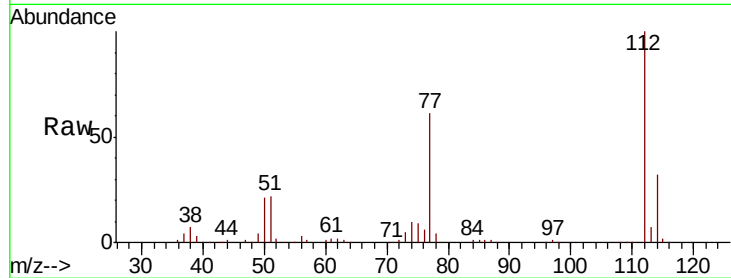
ClientSampleId :

Tot Ion:112 Resp: 358042

Ion Ratio Lower Upper

112 100

114 32.0 25.7 38.5



#60

1,1,1,2-Tetrachloroethane

Concen: 4.252 ug/l

RT: 9.56 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

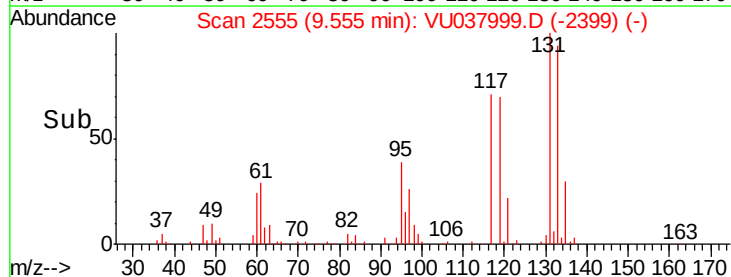
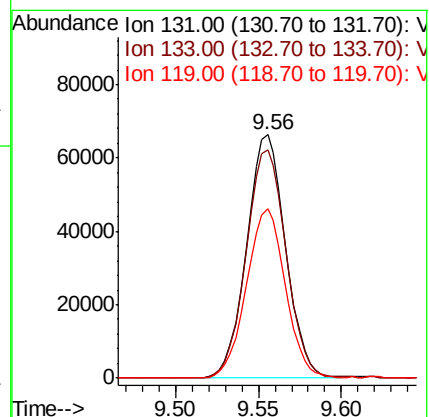
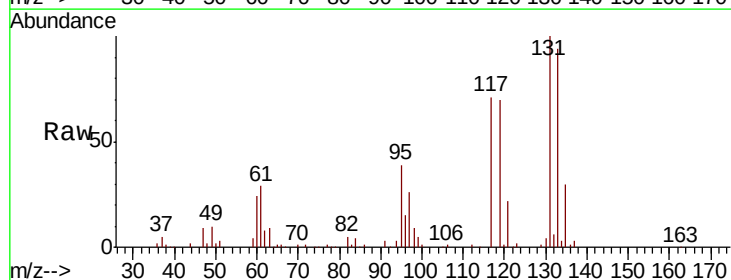
Tgt Ion:131 Resp: 107986

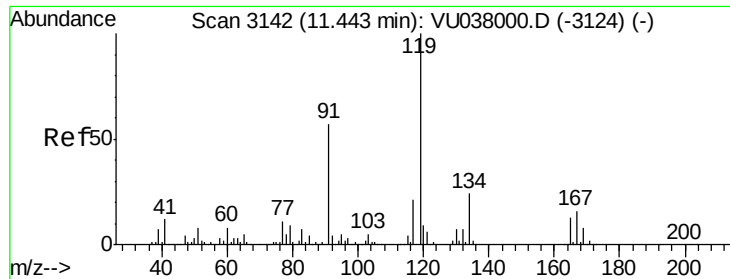
Ion Ratio Lower Upper

131 100

133 96.5 76.8 115.2

119 69.7 56.7 85.1

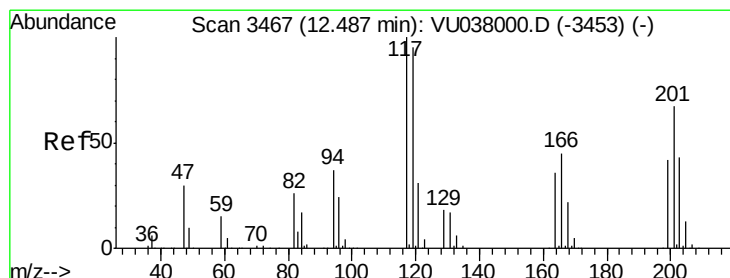
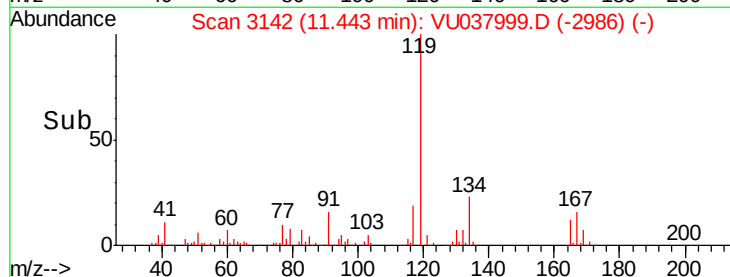
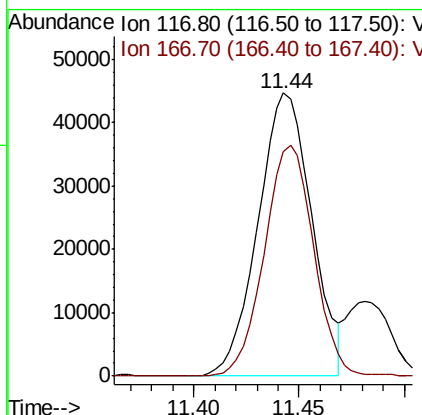
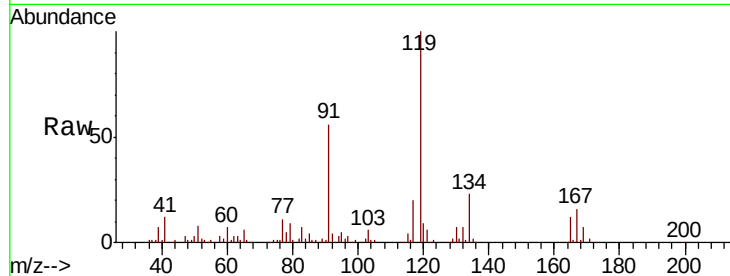




#61
 Pentachloroethane
 Concen: 4.085 ug/l
 RT: 11.44 min Scan# 3142
 Delta R.T. 0.00 min
 Lab File: VU037999.D
 Acq: 04 May 2020 12:12

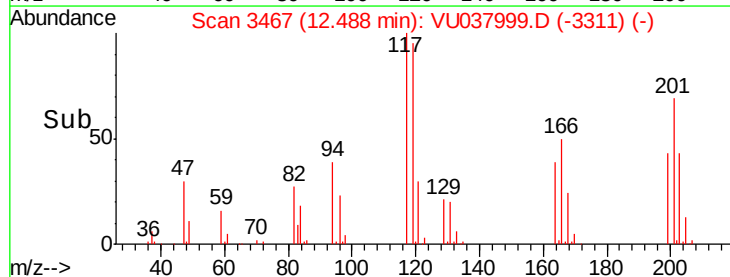
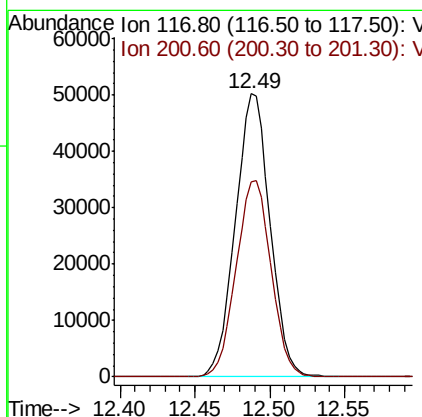
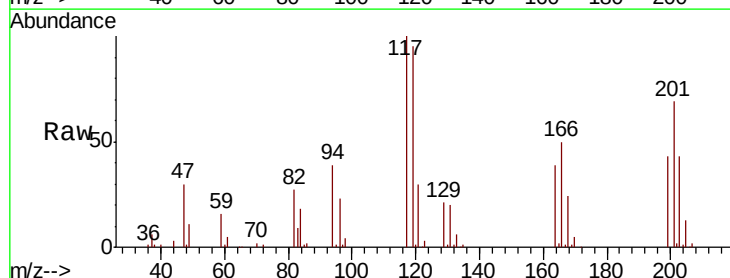
Instrument :
 MSVOA_U
 ClientSampleId :

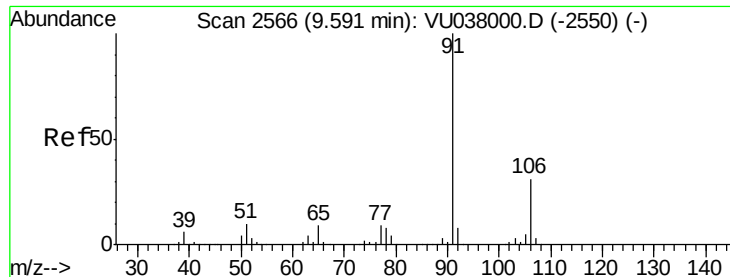
Tot Ion:117 Resp: 79220
 Ion Ratio Lower Upper
 117 100
 167 74.9 60.3 90.5



#62
 Hexachloroethane
 Concen: 3.935 ug/l
 RT: 12.49 min Scan# 3467
 Delta R.T. 0.00 min
 Lab File: VU037999.D
 Acq: 04 May 2020 12:12

Tgt Ion:117 Resp: 81054
 Ion Ratio Lower Upper
 117 100
 201 69.8 54.7 82.1

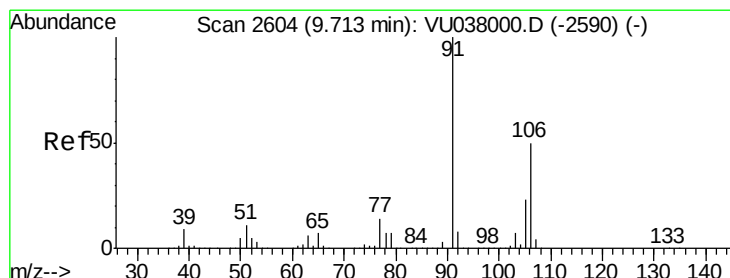
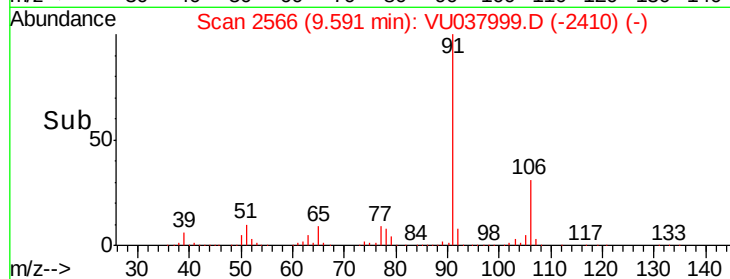
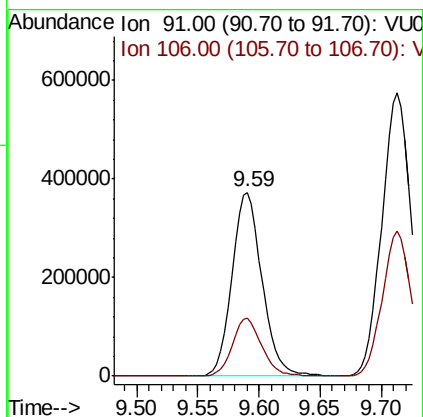
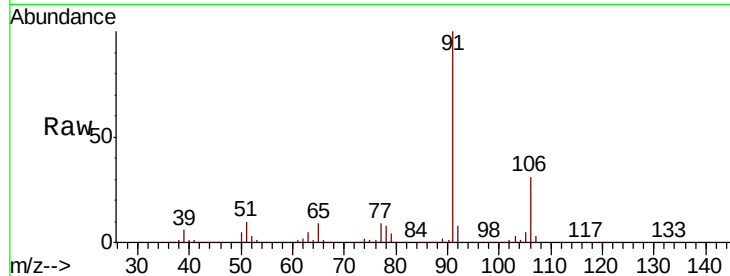




#63
Ethyl Benzene
Concen: 5.240 ug/l
RT: 9.59 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

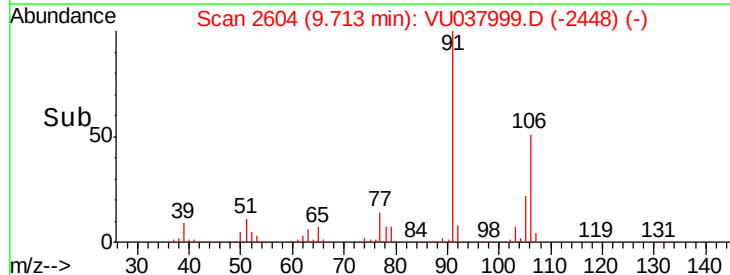
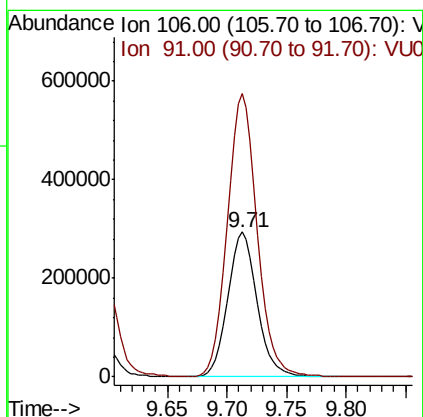
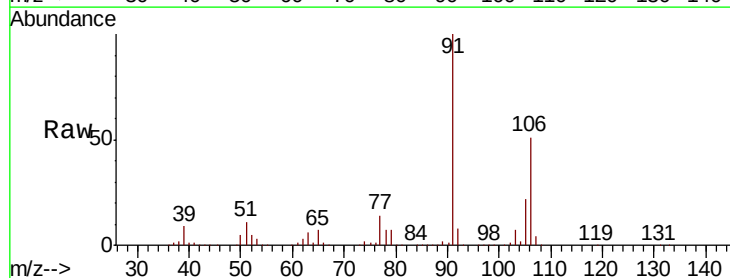
Instrument :
MSVOA_U
ClientSampled :

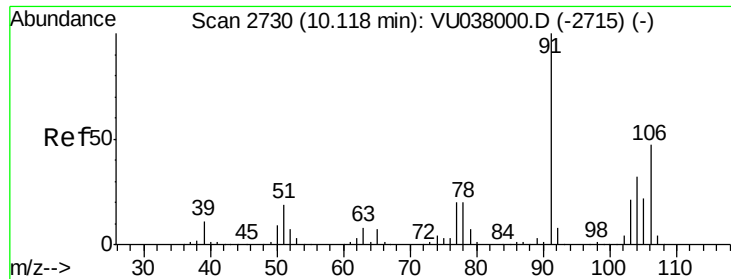
Tot Ion: 91 Resp: 639173
Ion Ratio Lower Upper
91 100
106 31.4 24.9 37.3



#64
m/p-Xylenes
Concen: 10.810 ug/l
RT: 9.71 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

Tgt Ion: 106 Resp: 499225
Ion Ratio Lower Upper
106 100
91 198.8 159.5 239.3

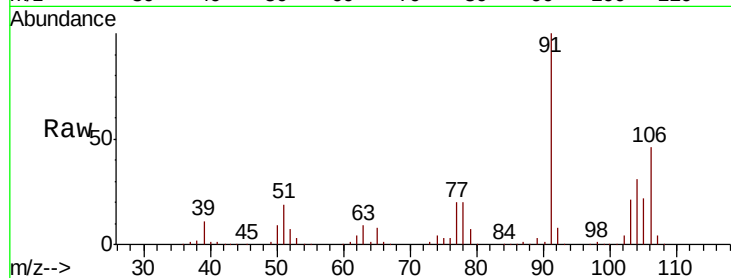




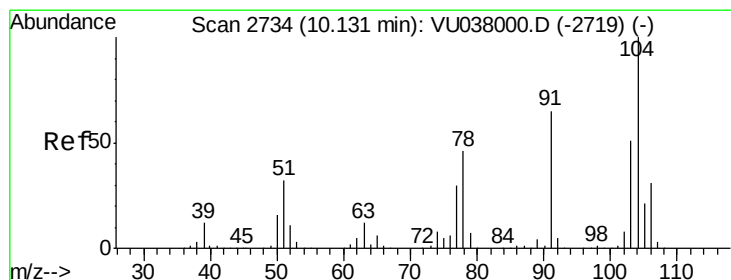
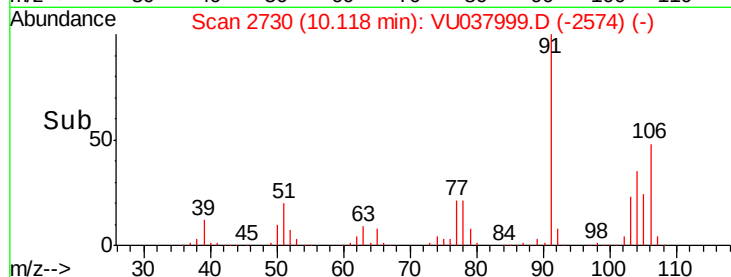
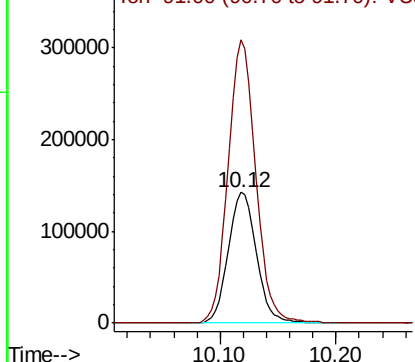
#65
o-Xylene
Concen: 5.338 ug/l
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 238505
Ion Ratio Lower Upper
106 100
91 212.5 105.7 317.0

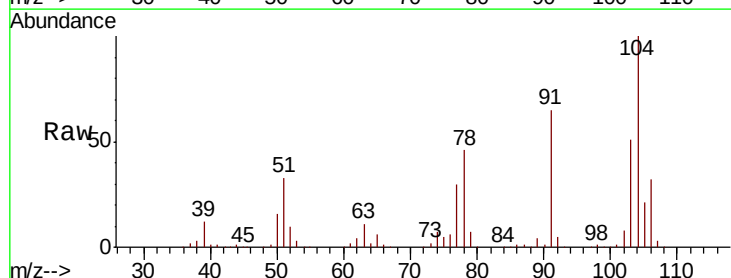


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

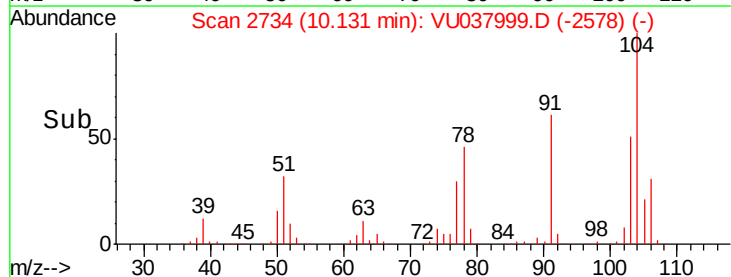
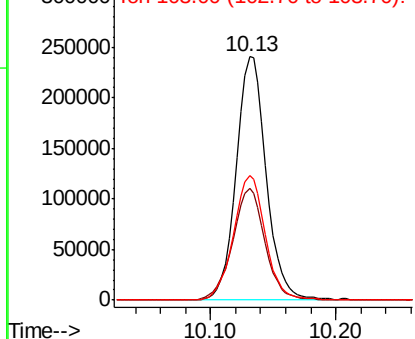


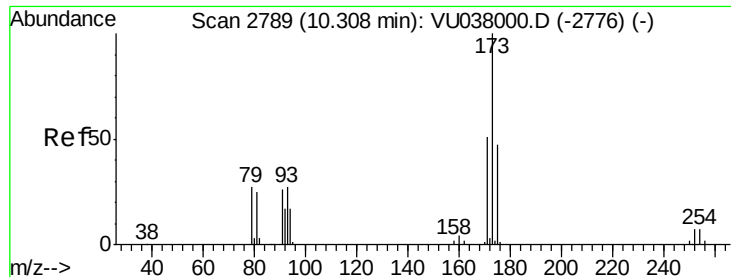
#66
Styrene
Concen: 5.498 ug/l
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU037999.D
Acq: 04 May 2020 12:12

Tgt Ion:104 Resp: 401307
Ion Ratio Lower Upper
104 100
78 49.6 39.9 59.9
103 54.1 43.4 65.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V

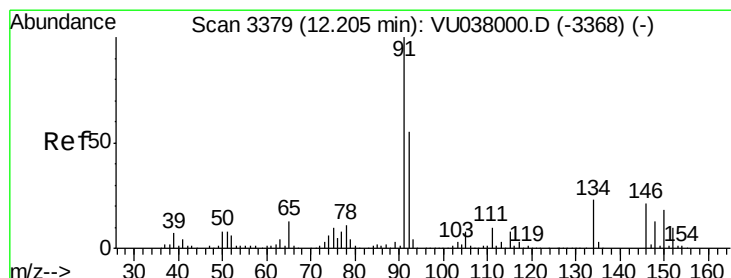
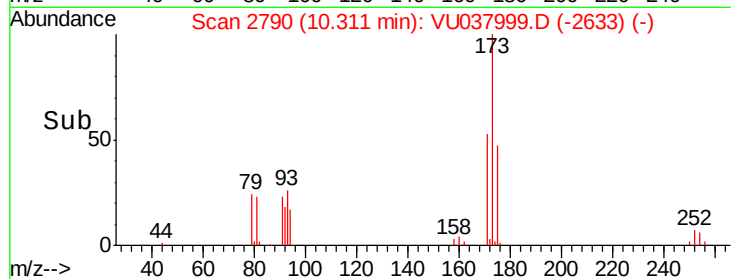
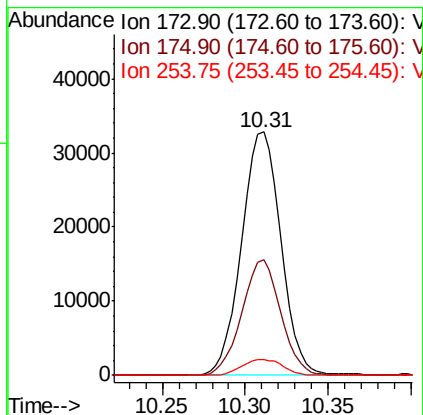
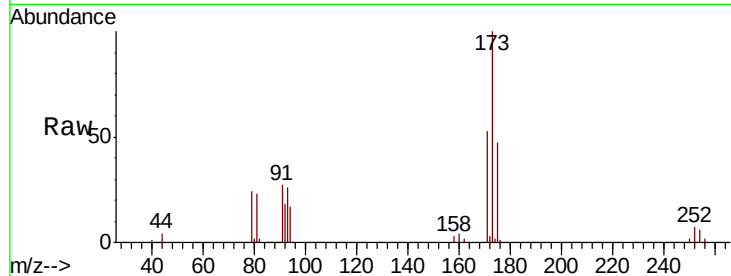




#67
 Bromoform
 Concen: 4.304 ug/l
 RT: 10.31 min Scan# 2790
 Delta R.T. 0.00 min
 Lab File: VU037999.D
 Acq: 04 May 2020 12:12

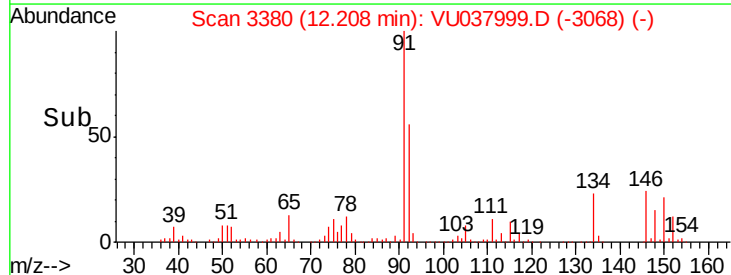
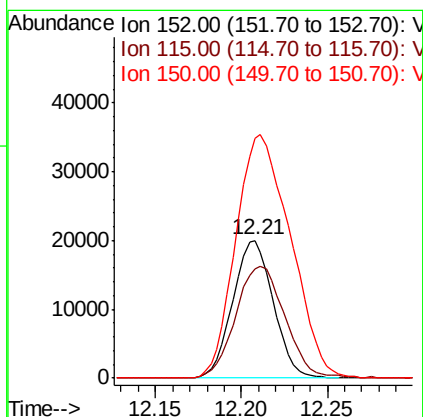
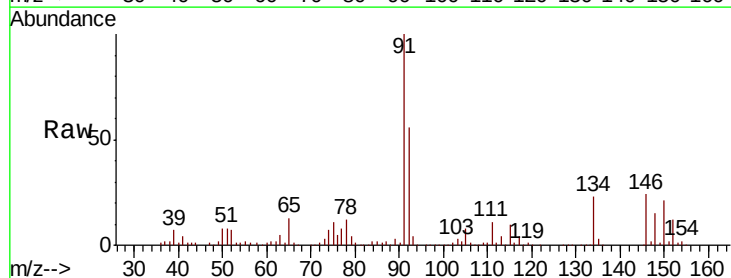
Instrument :
 MSVOA_U
 ClientSampled :

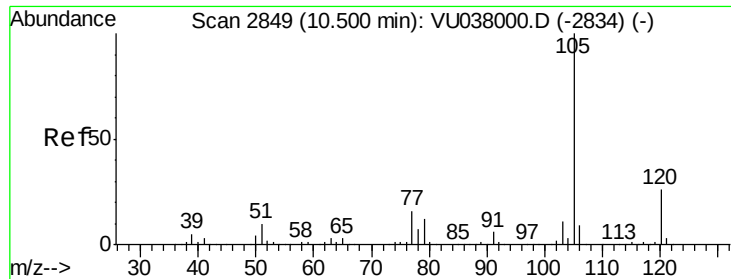
Tot Ion:173 Resp: 54273
 Ion Ratio Lower Upper
 173 100
 175 47.0 37.6 56.4
 254 6.7 5.5 8.3



#68
 1,2-Dichlorobenzene-d4
 Concen: 0.949 ug/l
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU037999.D
 Acq: 04 May 2020 12:12

Tgt Ion:152 Resp: 32670
 Ion Ratio Lower Upper
 152 100
 115 98.9 0.0 261.0
 150 238.9 0.0 650.2





#69

Isopropylbenzene

Concen: 5.240 ug/l

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

Instrument :

MSVOA_U

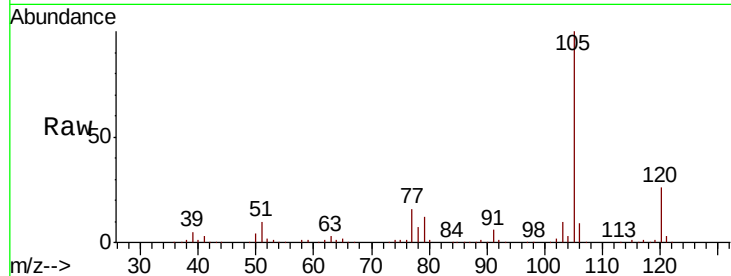
ClientSampleId :

Tot Ion:105 Resp: 635780

Ion Ratio Lower Upper

105 100

120 25.9 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.50

400000

300000

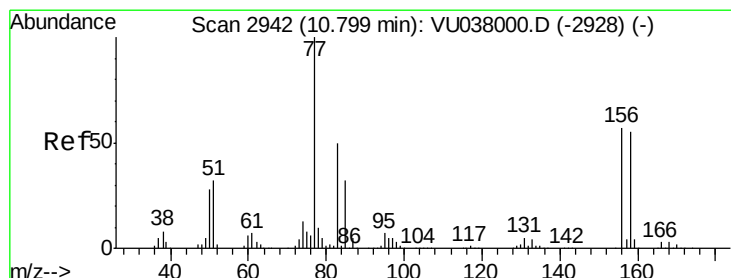
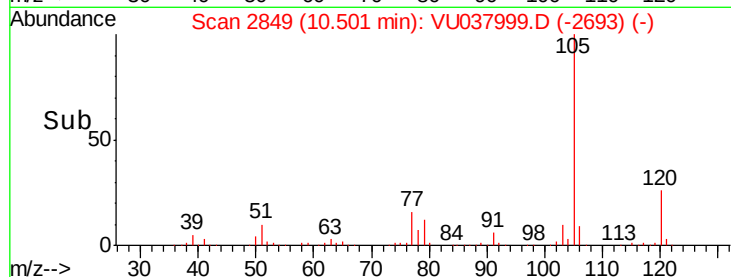
200000

100000

0

Time-->

10.40 10.50 10.60



#70

1,1,2,2-Tetrachloroethane

Concen: 4.629 ug/l

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

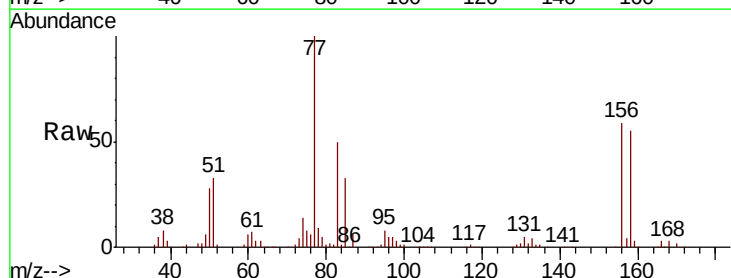
Tgt Ion: 83 Resp: 119743

Ion Ratio Lower Upper

83 100

131 8.7 7.2 10.8

85 64.1 50.0 75.0



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0

100000

80000

60000

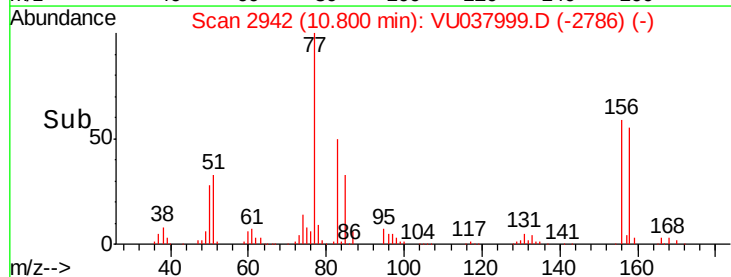
40000

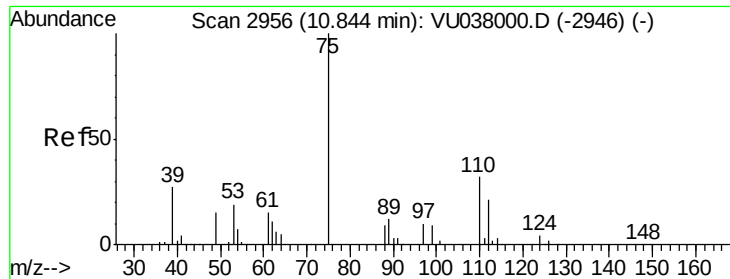
20000

0

Time-->

10.70 10.80 10.90

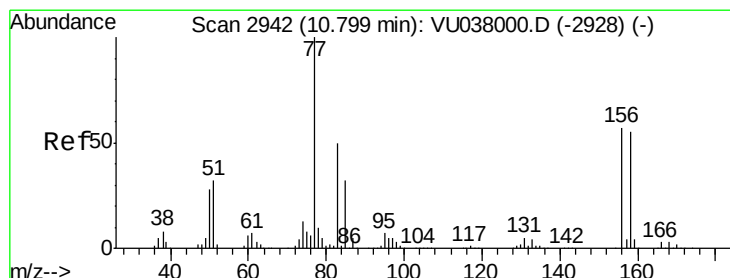
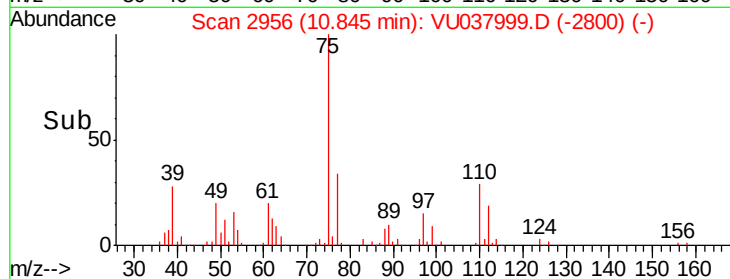
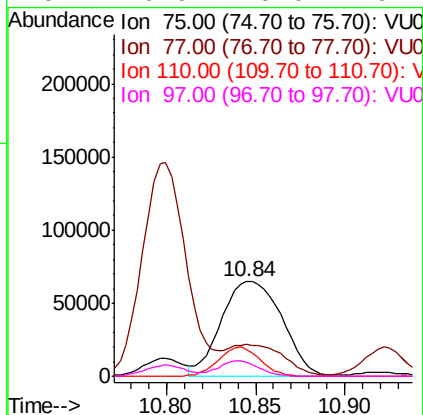
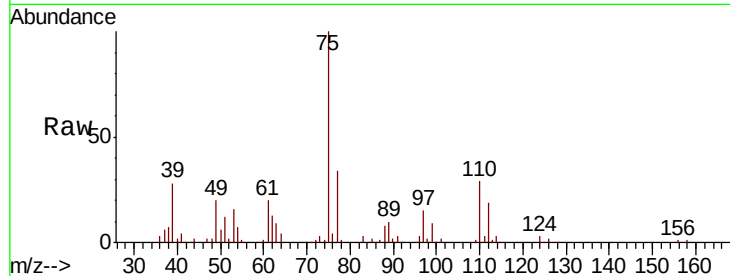




#71
 1,2,3-Trichloropropane
 Concen: 7.579 ug/l
 RT: 10.84 min Scan# 2956
 Delta R.T. 0.00 min
 Lab File: VU037999.D
 Acq: 04 May 2020 12:12

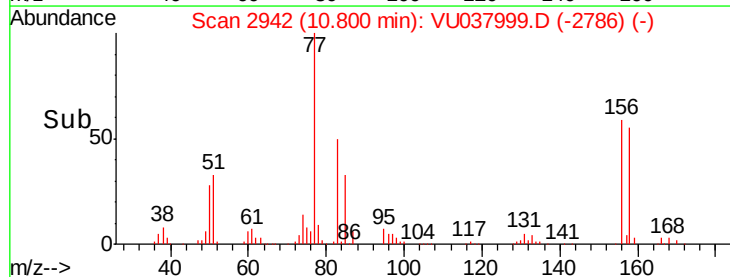
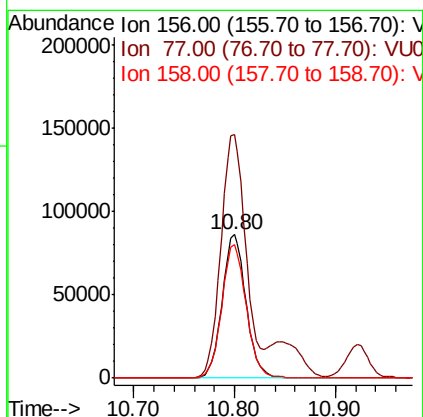
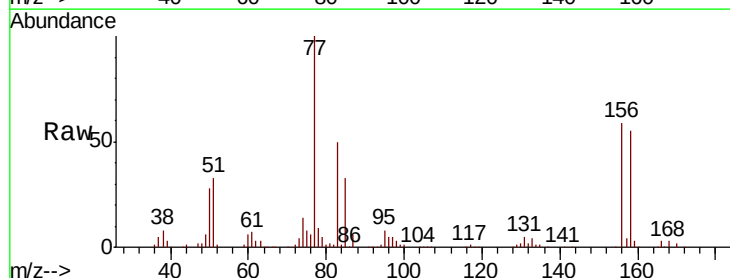
Instrument :
 MSVOA_U
 ClientSampled :

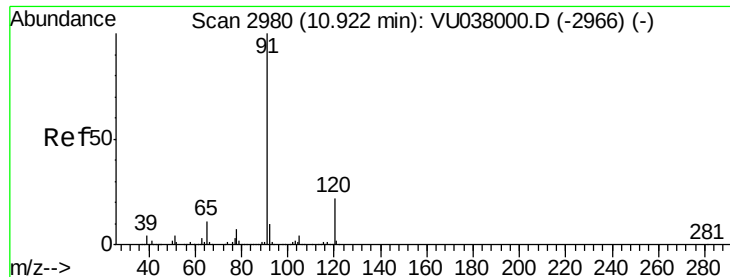
Tot Ion:	75	Resp:	154610
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	108.6
110	20.9	0.0	79.4
97	10.9	0.0	40.4



#72
 Bromobenzene
 Concen: 4.868 ug/l
 RT: 10.80 min Scan# 2942
 Delta R.T. 0.00 min
 Lab File: VU037999.D
 Acq: 04 May 2020 12:12

Tgt Ion:	156	Resp:	142945
Ion	Ratio	Lower	Upper
156	100		
77	176.4	0.0	355.6
158	95.1	0.0	194.0





#73

n-propylbenzene

Concen: 5.429 ug/l

RT: 10.92 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

Instrument :

MSVOA_U

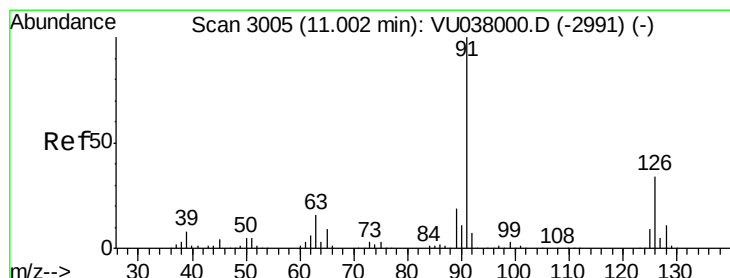
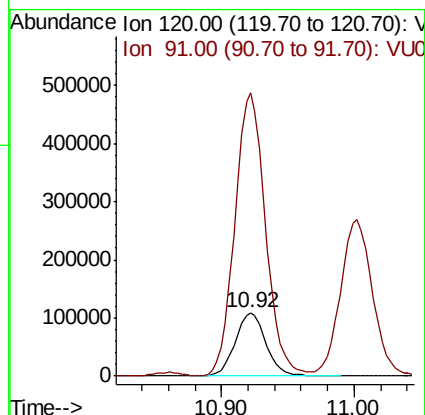
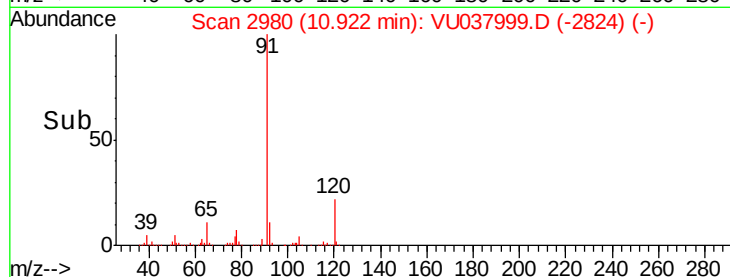
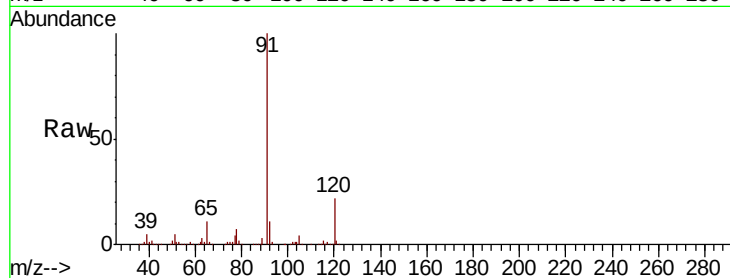
ClientSampleId :

Tot Ion:120 Resp: 175003

Ion Ratio Lower Upper

120 100

91 445.0 355.4 533.0



#74

2-Chlorotoluene

Concen: 4.949 ug/l

RT: 11.00 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VU037999.D

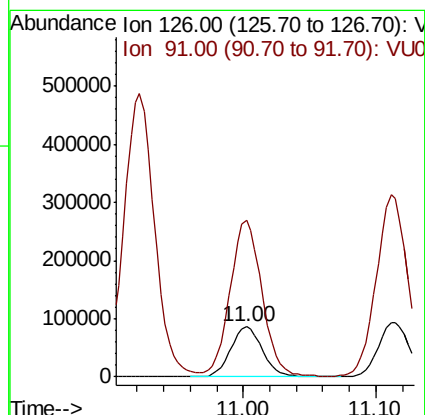
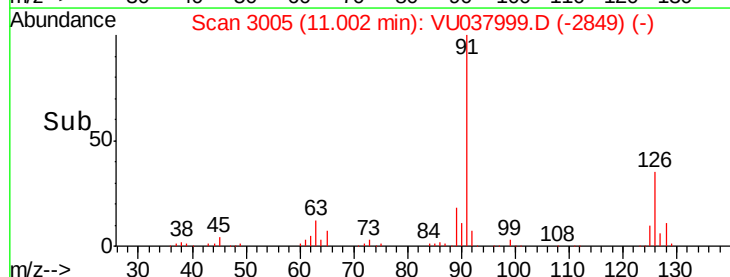
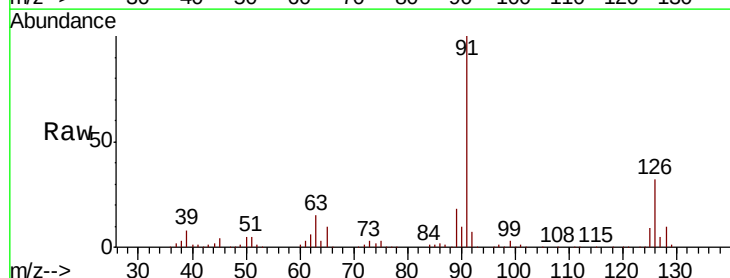
Acq: 04 May 2020 12:12

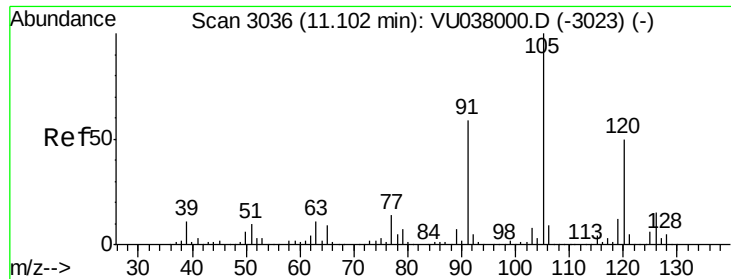
Tgt Ion:126 Resp: 142777

Ion Ratio Lower Upper

126 100

91 315.9 0.0 625.8





#75

1,3,5-Trimethylbenzene

Concen: 5.035 ug/l

RT: 11.10 min Scan# 3036

Delta R.T. 0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

Instrument :

MSVOA_U

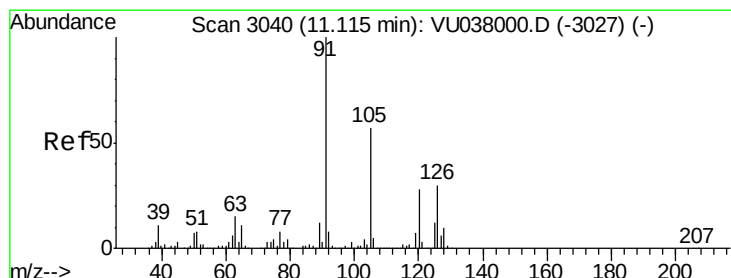
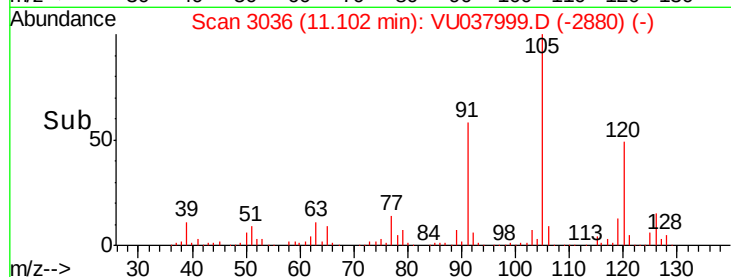
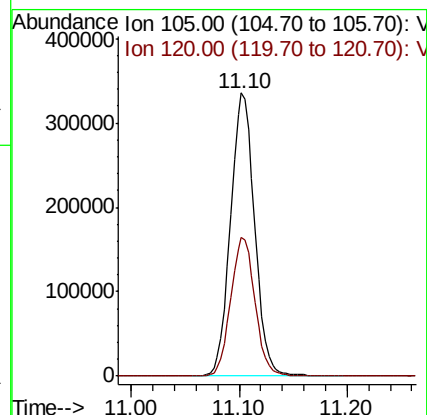
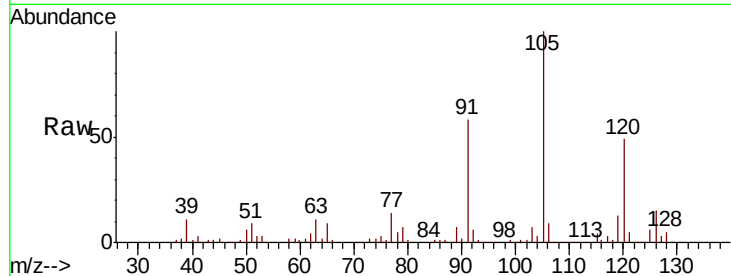
ClientSampled :

Tot Ion:105 Resp: 523363

Ion Ratio Lower Upper

105 100

120 49.4 39.8 59.6



#76

4-Chlorotoluene

Concen: 5.238 ug/l

RT: 11.11 min Scan# 3040

Delta R.T. 0.00 min

Lab File: VU037999.D

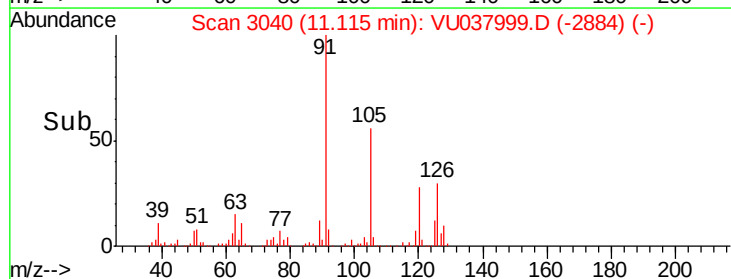
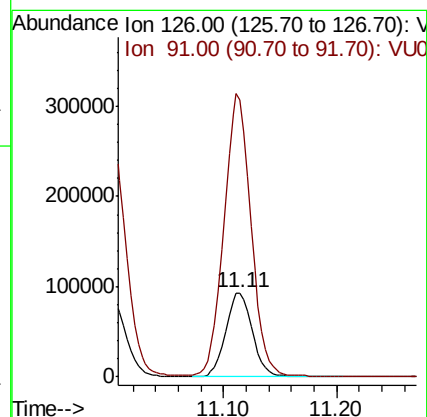
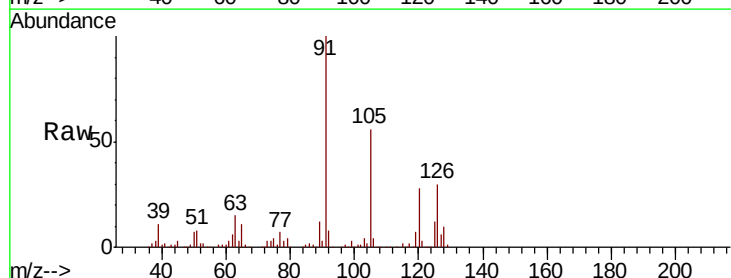
Acq: 04 May 2020 12:12

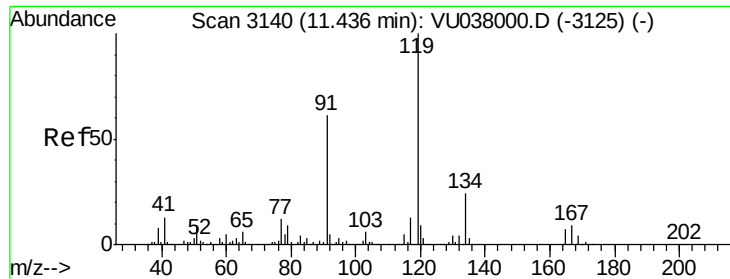
Tgt Ion:126 Resp: 152866

Ion Ratio Lower Upper

126 100

91 342.9 0.0 698.6

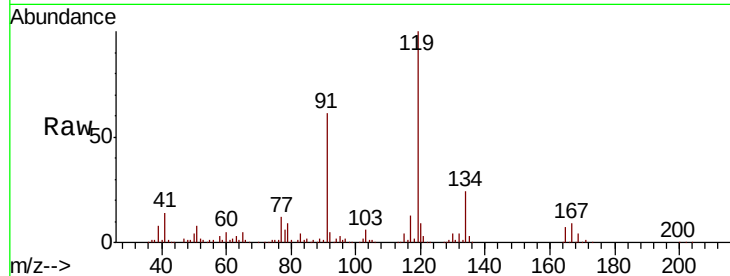




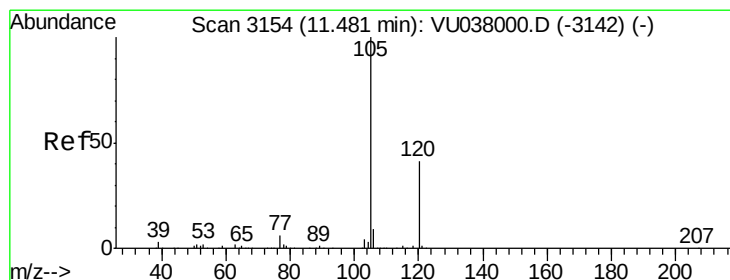
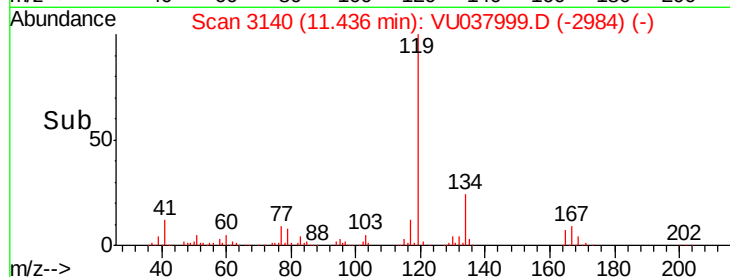
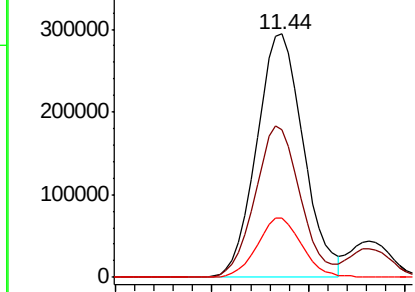
#77
 tert-Butylbenzene
 Concen: 4.883 ug/l
 RT: 11.44 min Scan# 3140
 Delta R.T. 0.00 min
 Lab File: VU037999.D
 Acq: 04 May 2020 12:12

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.6	30.1	90.5
134	23.3	19.0	28.6

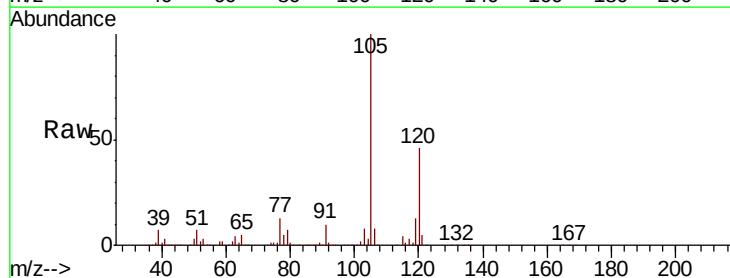


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

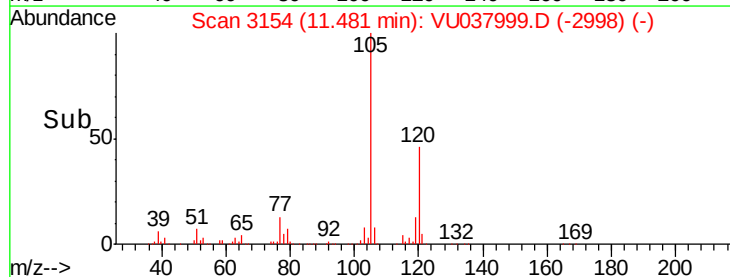
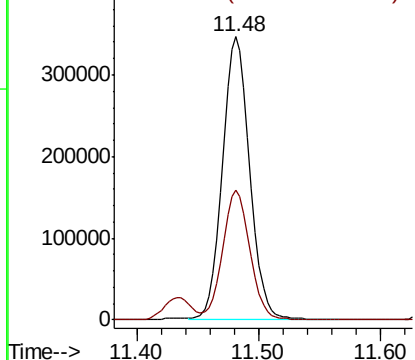


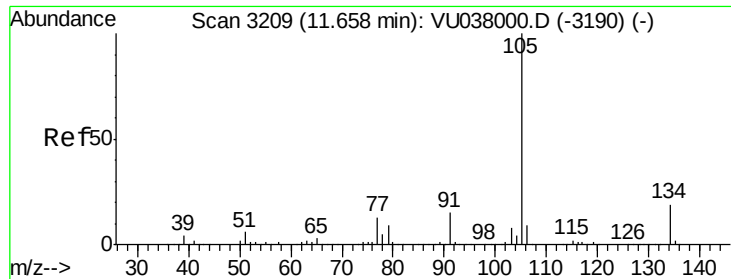
#78
 1,2,4-Trimethylbenzene
 Concen: 5.199 ug/l
 RT: 11.48 min Scan# 3154
 Delta R.T. 0.00 min
 Lab File: VU037999.D
 Acq: 04 May 2020 12:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.4	70.0



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 5.049 ug/l

RT: 11.66 min Scan# 3209

Delta R.T. 0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

Instrument :

MSVOA_U

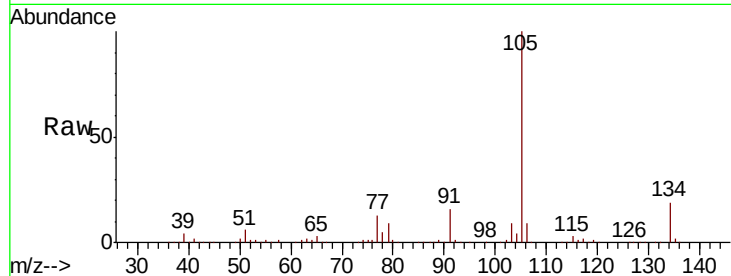
ClientSampleId :

Tot Ion: 105 Resp: 701796

Ion Ratio Lower Upper

105 100

134 19.4 15.4 23.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.66

400000

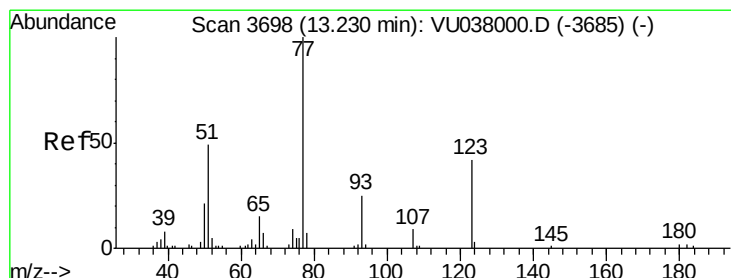
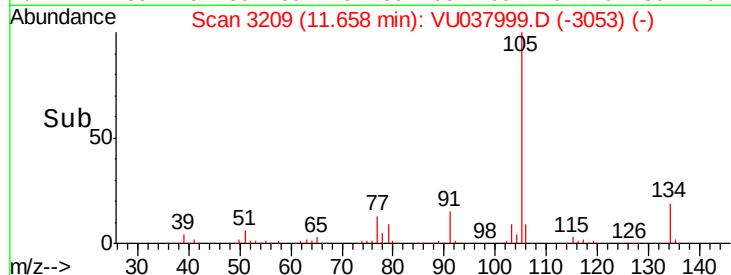
300000

200000

100000

0

Time-->



#80

Nitrobenzene

Concen: 27.623 ug/l

RT: 13.23 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

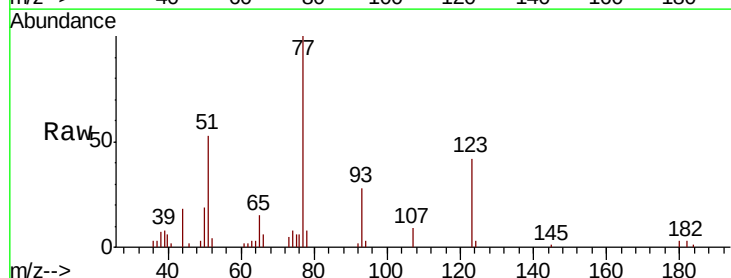
Tgt Ion: 77 Resp: 16289

Ion Ratio Lower Upper

77 100

123 40.3 17.6 62.6

65 15.6 13.2 16.8



Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

13.23

12000

10000

8000

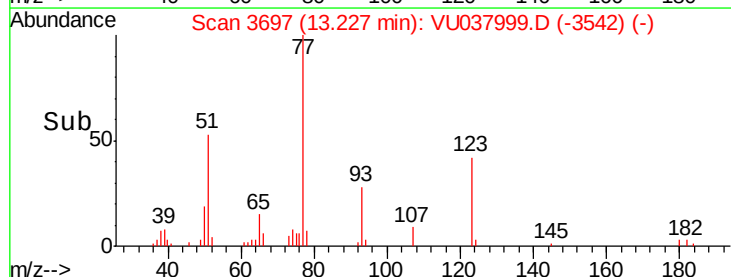
6000

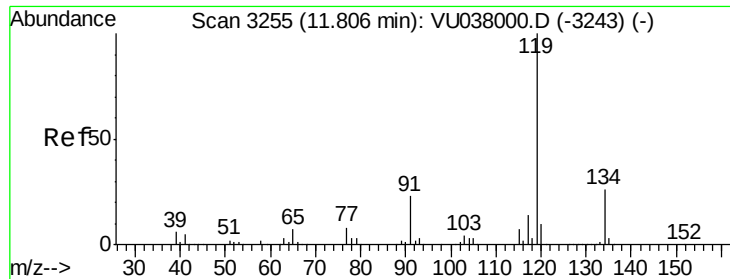
4000

2000

0

Time-->

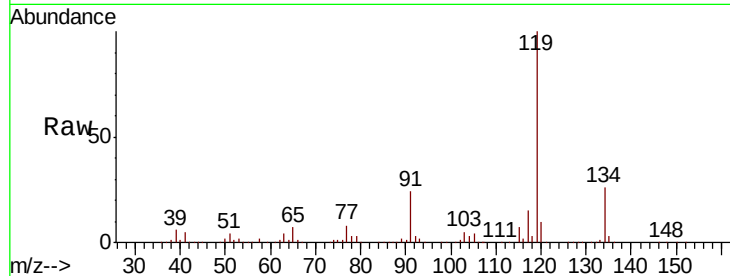




#81
 p-Isopropyltoluene
 Concen: 5.257 ug/l
 RT: 11.81 min Scan# 3255
 Delta R.T. 0.00 min
 Lab File: VU037999.D
 Acq: 04 May 2020 12:12

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.9	20.6	31.0
91	23.5	18.6	28.0

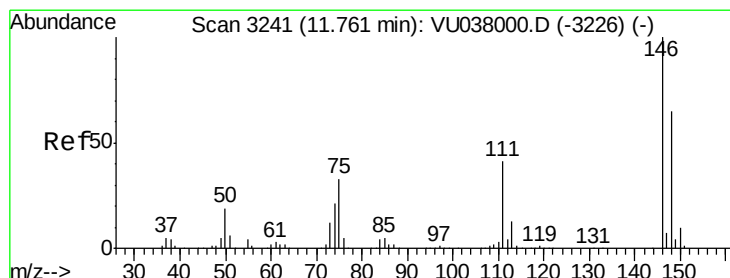
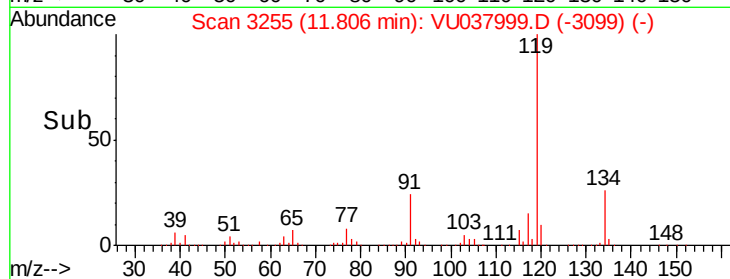
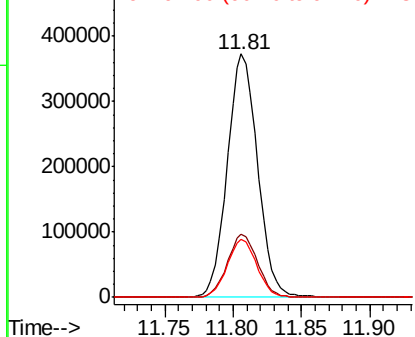


Abundance

Ion 119.00 (118.70 to 119.70): V

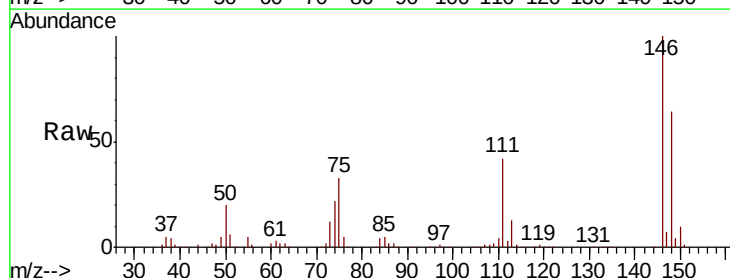
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#82
 1,3-Dichlorobenzene
 Concen: 4.899 ug/l
 RT: 11.76 min Scan# 3241
 Delta R.T. 0.00 min
 Lab File: VU037999.D
 Acq: 04 May 2020 12:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	33.0	49.4
148	64.2	51.4	77.2

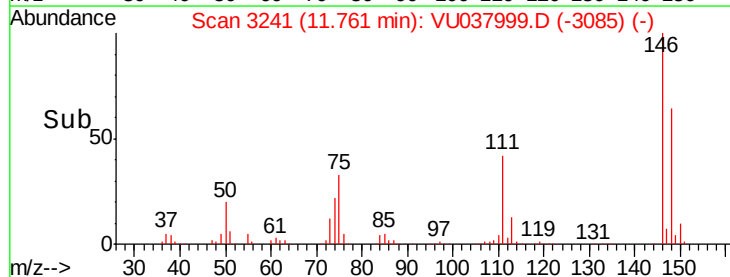
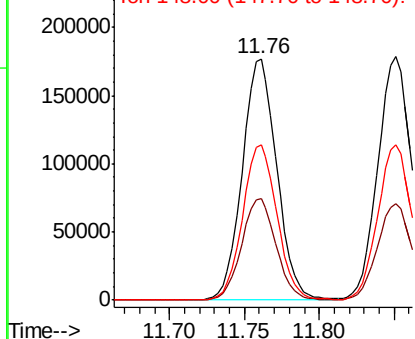


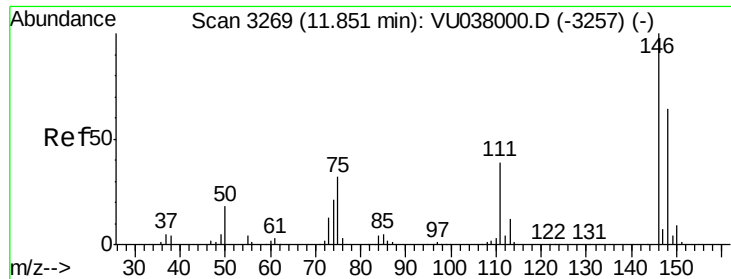
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

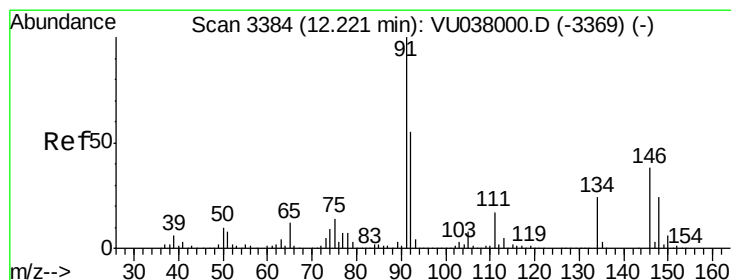
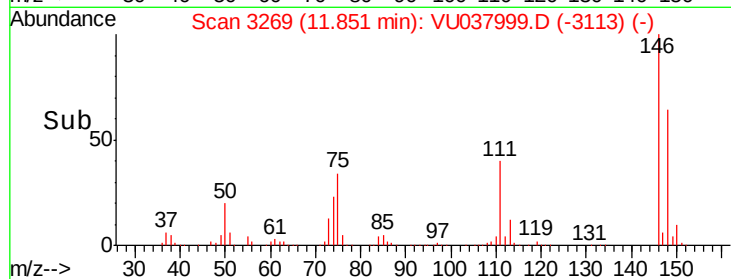
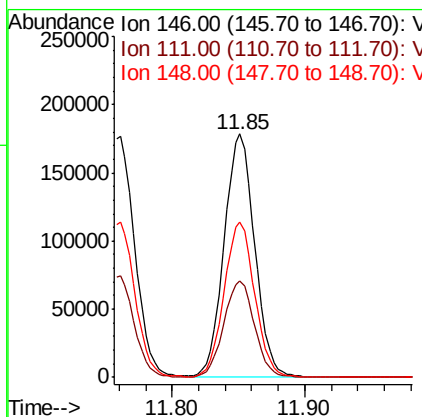
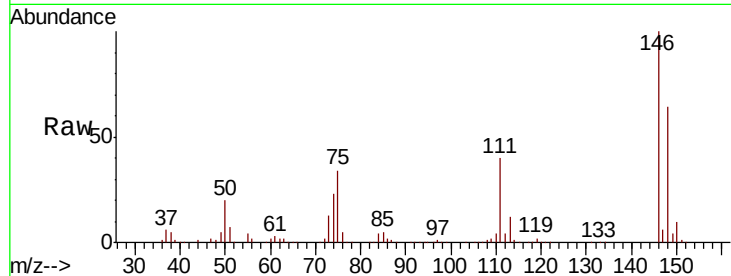




#83
 1,4-Dichlorobenzene
 Concen: 4.871 ug/l
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU037999.D
 Acq: 04 May 2020 12:12

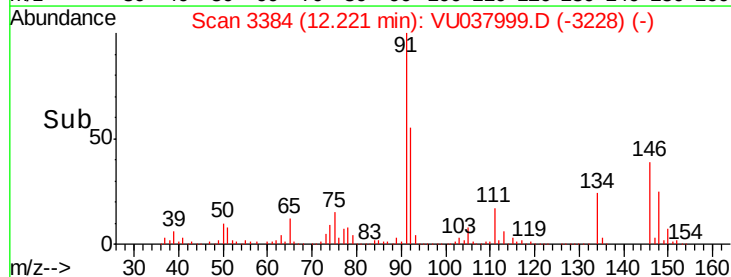
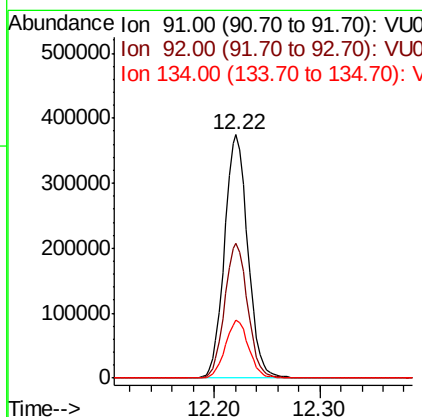
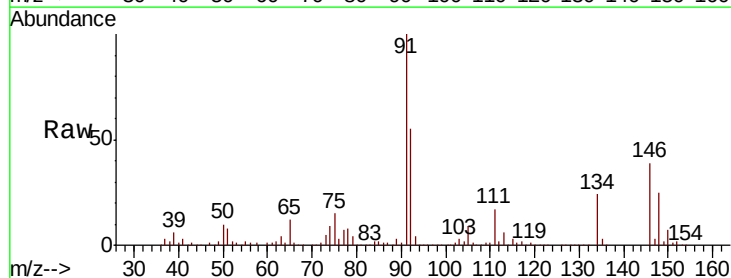
Instrument :
 MSVOA_U
 ClientSampled :

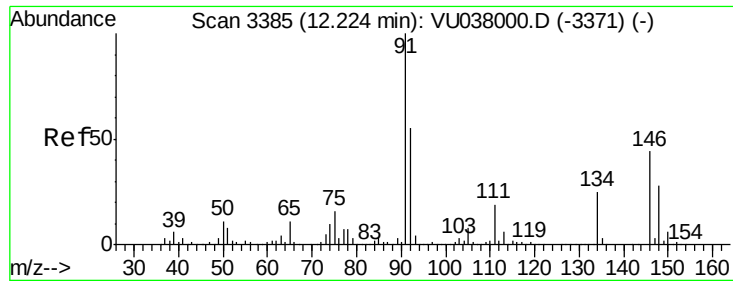
Tot Ion:146 Resp: 286043
 Ion Ratio Lower Upper
 146 100
 111 39.7 31.8 47.6
 148 63.8 51.2 76.8



#84
 n-Butylbenzene
 Concen: 5.470 ug/l
 RT: 12.22 min Scan# 3384
 Delta R.T. 0.00 min
 Lab File: VU037999.D
 Acq: 04 May 2020 12:12

Tgt Ion: 91 Resp: 572368
 Ion Ratio Lower Upper
 91 100
 92 54.8 43.8 65.6
 134 23.9 19.4 29.2

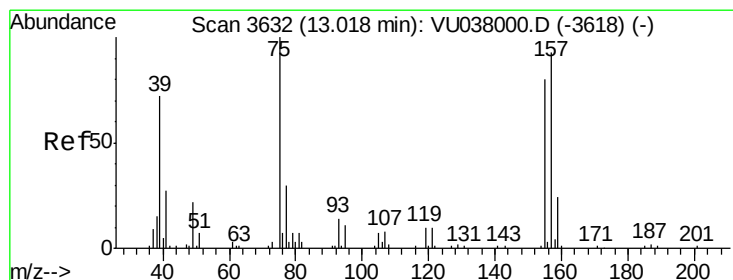
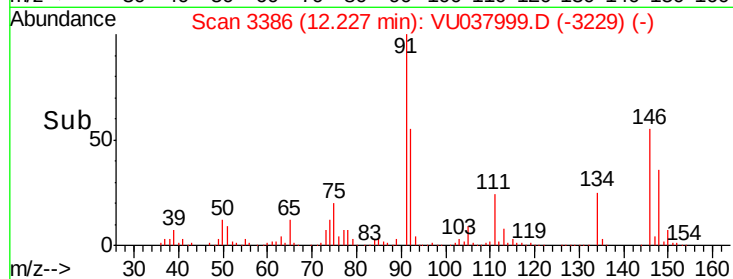
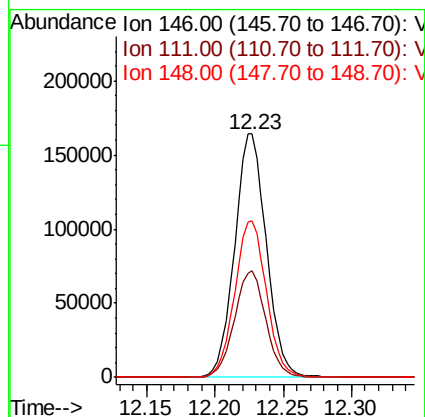
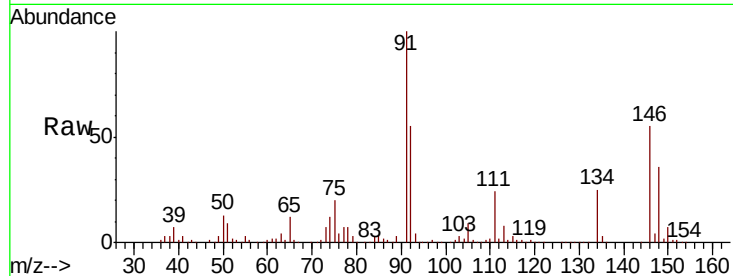




#85
 1,2-Dichlorobenzene
 Concen: 4.731 ug/l
 RT: 12.23 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU037999.D
 Acq: 04 May 2020 12:12

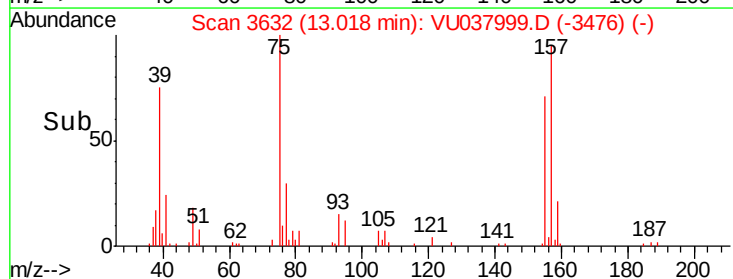
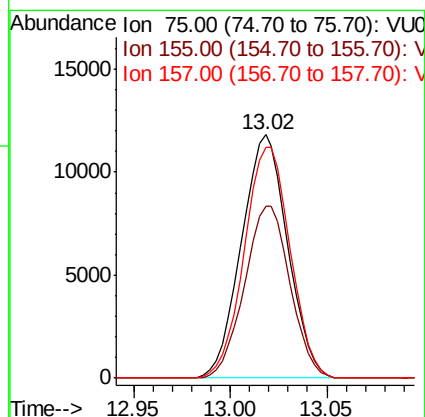
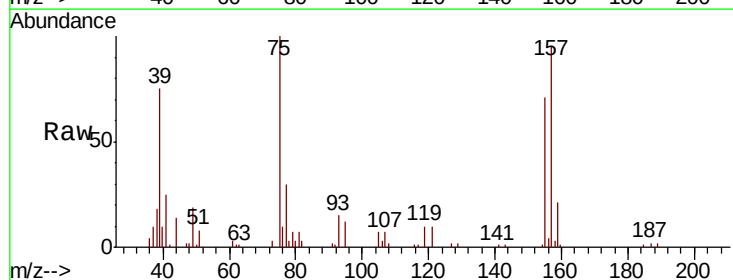
Instrument :
 MSVOA_U
 ClientSampleId :

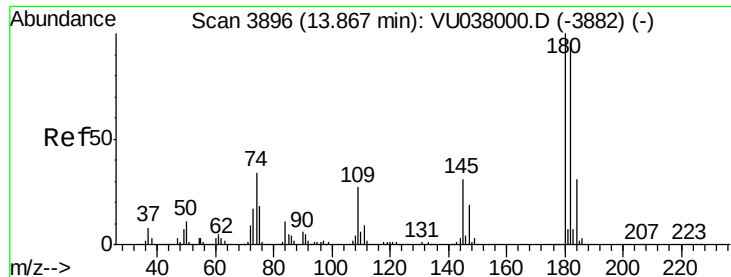
Tot Ion:146 Resp: 264801
 Ion Ratio Lower Upper
 146 100
 111 43.6 21.9 65.8
 148 64.2 31.8 95.4



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 4.439 ug/l
 RT: 13.02 min Scan# 3632
 Delta R.T. 0.00 min
 Lab File: VU037999.D
 Acq: 04 May 2020 12:12

Tgt Ion: 75 Resp: 19625
 Ion Ratio Lower Upper
 75 100
 155 69.5 60.9 91.3
 157 94.5 78.1 117.1





#87

1,2,4-Trichlorobenzene

Concen: 6.463 ug/l

RT: 13.87 min Scan# 3896

Delta R.T. 0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

Instrument :

MSVOA_U

ClientSampleId :

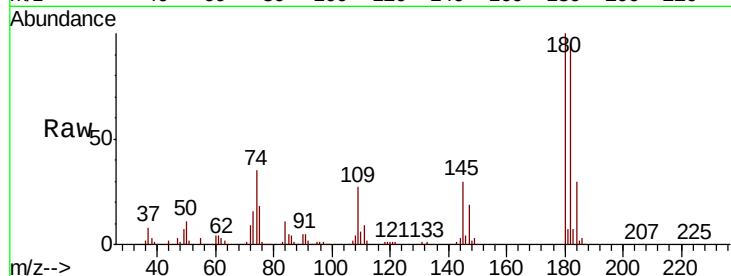
Tot Ion:180 Resp: 190325

Ion Ratio Lower Upper

180 100

182 95.3 76.9 115.3

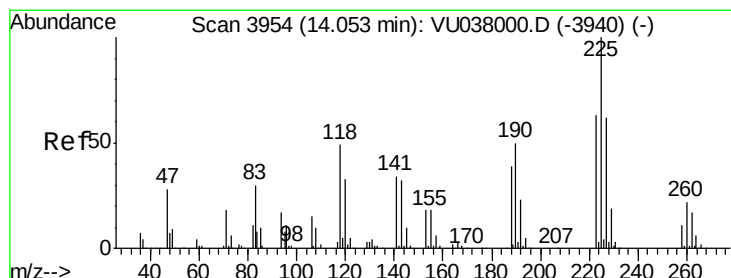
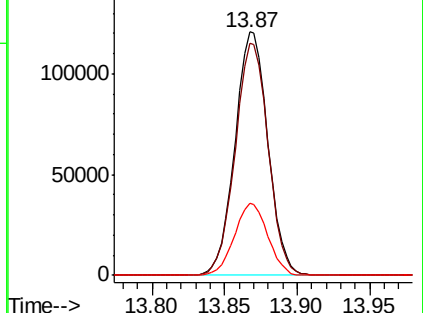
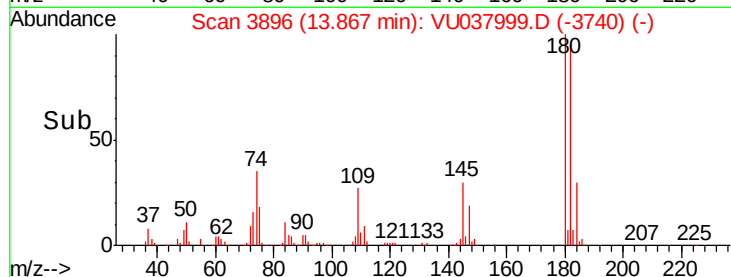
145 29.9 24.7 37.1



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#88

Hexachlorobutadiene

Concen: 4.920 ug/l

RT: 14.05 min Scan# 3954

Delta R.T. 0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

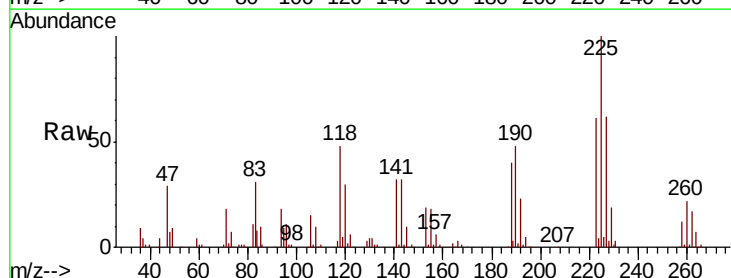
Tgt Ion:225 Resp: 86524

Ion Ratio Lower Upper

225 100

223 64.4 51.3 76.9

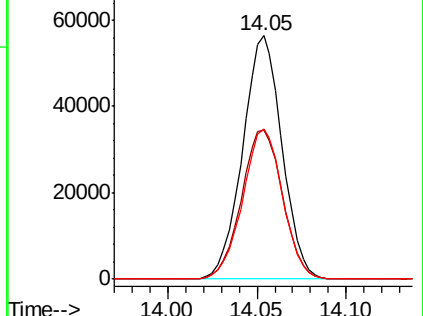
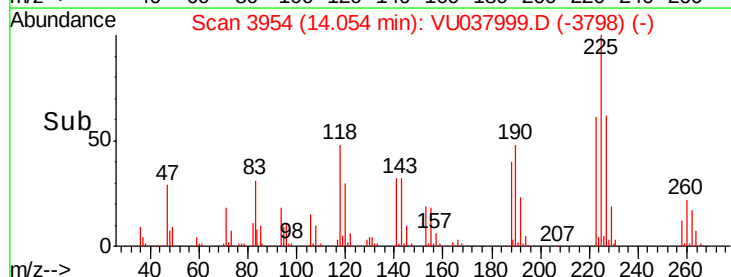
227 62.5 49.2 73.8

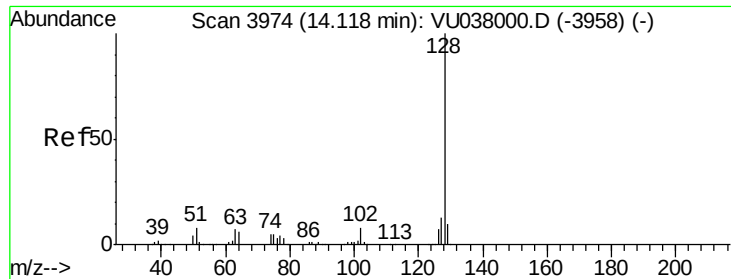


Abundance Ion 224.60 (224.30 to 225.30): V

Ion 222.60 (222.30 to 223.30): V

Ion 226.60 (226.30 to 227.30): V





#89

Naphthalene

Concen: 7.269 ug/l

RT: 14.12 min Scan# 3974

Delta R.T. 0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

Instrument :

MSVOA_U

ClientSampleId :

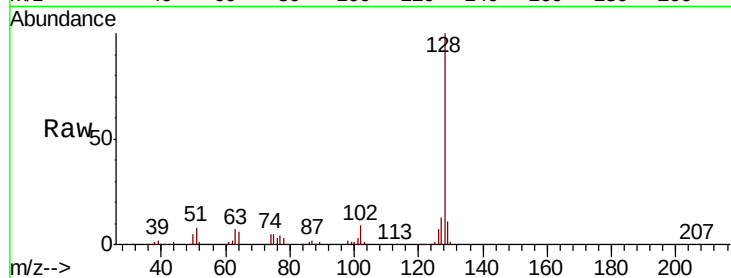
Tot Ion:128 Resp: 371171

Ion Ratio Lower Upper

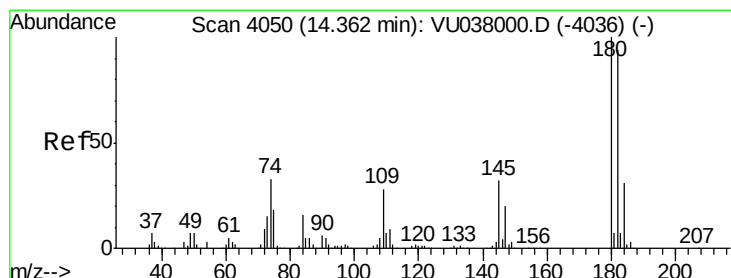
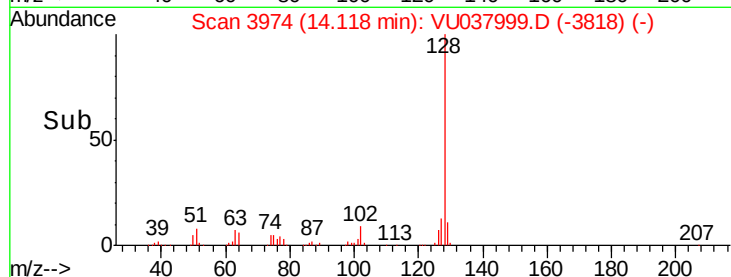
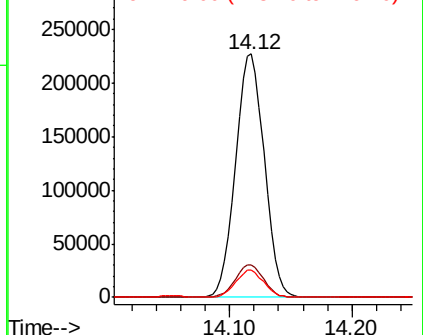
128 100

127 13.0 10.4 15.6

129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#90

1,2,3-Trichlorobenzene

Concen: 6.043 ug/l

RT: 14.36 min Scan# 4050

Delta R.T. 0.00 min

Lab File: VU037999.D

Acq: 04 May 2020 12:12

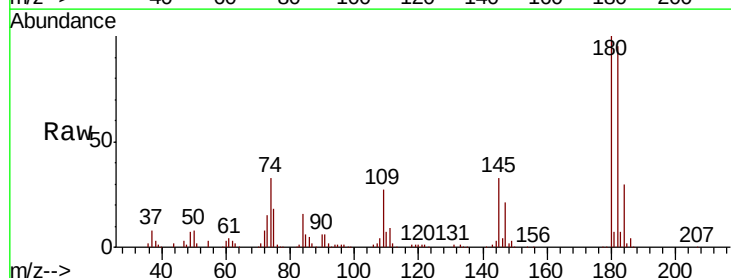
Tgt Ion:180 Resp: 171425

Ion Ratio Lower Upper

180 100

182 94.3 75.9 113.9

145 32.6 26.0 39.0



Abundance Ion 179.70 (179.40 to 180.40): V
Ion 181.70 (181.40 to 182.40): V
Ion 144.80 (144.50 to 145.50): V

