

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U081220\
 Data File : VU039842.D
 Acq On : 12 Aug 2020 13:31
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 13 02:50:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 31 07:12:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.12	96	20877	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.63	95	8136	1.00	ug/l	0.00
Spiked Amount	1.000		Recovery	=	100.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	7292	0.91	ug/l	0.00
Spiked Amount	1.000		Recovery	=	91.00%	

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	62919	8.673	ug/l 99
3) Chloromethane	1.53	50	70703	7.846	ug/l 99
4) Vinyl Chloride	1.61	62	74399	8.958	ug/l 98
5) Bromomethane	1.86	94	35418	6.235	ug/l 100
6) Chloroethane	1.94	64	49715	8.627	ug/l 99
7) Trichlorofluoromethane	2.15	101	101414	9.232	ug/l 94
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	58894	9.342	ug/l 98
9) 1,1-Dichloroethene	2.59	96	52032	8.970	ug/l 98
10) Iodomethane	2.74	142	39410	6.736	ug/l 97
11) Allyl Chloride	2.94	41	122730	9.808	ug/l 100
12) Acrylonitrile	3.34	53	39276	19.290	ug/l 93
13) Acetone	2.65	43	82550	43.090	ug/l 99
14) Carbon Disulfide	2.81	76	154515	7.264	ug/l 99
15) Methylene Chloride	3.06	84	67146	8.304	ug/l 96
16) trans-1,2-Dichloroethene	3.37	96	60437	9.164	ug/l 97
17) 1,1-Dichloroethane	3.89	63	141587	9.777	ug/l 99
18) 2-Butanone	4.74	43	138244	42.912	ug/l 98
19) Cyclohexane	5.39	56	114419	8.163	ug/l 97
20) Methylcyclohexane	6.77	83	92892	8.944	ug/l 97
21) 2,2-Dichloropropane	4.68	77	111736	9.458	ug/l 99
22) cis-1,2-Dichloroethene	4.69	96	66643	9.375	ug/l 96
23) Diethyl Ether	2.39	59	54433	9.178	ug/l 97
24) tert-Butyl Alcohol	3.22	59	68736	97.124	ug/l 99
25) Methyl tert-Butyl Ether	3.39	73	180414	9.532	ug/l 99
26) Bromochloromethane	4.99	128	26742	9.195	ug/l 97
27) Chloroform	5.11	83	132751	9.795	ug/l 99
28) 1,1,1-Trichloroethane	5.33	97	109574	9.992	ug/l 100
29) 1,1-Dichloropropene	5.54	75	100728	9.538	ug/l 97
30) Carbon Tetrachloride	5.53	117	90767	10.122	ug/l 97
31) Isopropyl Ether	4.02	45	267882	10.142	ug/l 100
32) Ethyl-t-butyl ether	4.54	59	220567	9.813	ug/l 100
33) Tert-Amyl methyl ether	5.97	73	149802	9.244	ug/l 100
34) Propionitrile	4.81	54	36205	45.557	ug/l 99
35) Benzene	5.78	78	243284	9.313	ug/l 99
36) 1,2-Dichloroethane	5.81	62	88913	9.080	ug/l 100
37) Trichloroethene	6.55	130	53966	9.030	ug/l 98
38) 1,2-Dichloropropane	6.81	63	71637	9.950	ug/l 97
39) Methacrylonitrile	5.01	41	36270	8.660	ug/l 98
40) Methyl acrylate	4.88	55	48145	8.915	ug/l 99
41) Tetrahydrofuran	5.09	42	35872	17.024	ug/l 97
42) 1-Chlorobutane	5.47	56	159521	9.625	ug/l 97

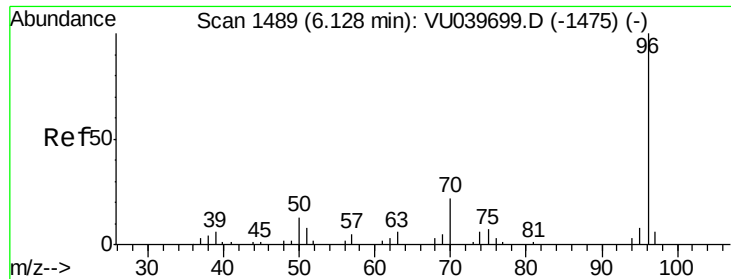
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081220\
 Data File : VU039842.D
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Quant Time: Aug 13 02:50:46 2020
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 31 07:12:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.93	93	34300	8.853	ug/l	99
44) Bromodichloromethane	7.12	83	89962	10.128	ug/l	98
45) 4-Methyl-2-Pentanone	7.81	43	279260	47.584	ug/l	98
46) t-1,4-Dichloro-2-butene	10.83	75	80092	45.883	ug/l #	51
47) Methyl methacrylate	6.98	69	69245	19.163	ug/l	97
48) Ethyl methacrylate	8.35	69	61450	9.239	ug/l	98
49) Toluene	7.98	92	147736	9.502	ug/l	99
50) t-1,3-Dichloropropene	8.22	75	79514	9.939	ug/l	97
51) cis-1,3-Dichloropropene	7.62	75	92639	9.852	ug/l	96
52) 1,1,2-Trichloroethane	8.41	97	46511	9.240	ug/l	98
53) 1,3-Dichloropropane	8.58	76	87767	9.081	ug/l	100
54) 2-Hexanone	8.70	43	193392	46.024	ug/l	98
55) Dibromochloromethane	8.82	129	52297	9.675	ug/l	99
56) 1,2-Dibromoethane	8.93	107	42392	8.740	ug/l	100
58) Tetrachloroethene	8.56	164	49902	9.538	ug/l	95
59) Chlorobenzene	9.45	112	151126	9.399	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.54	131	54071	9.974	ug/l	98
61) Pentachloroethane	11.43	117	43143	9.058	ug/l	96
62) Hexachloroethane	12.47	117	44880	10.280	ug/l	100
63) Ethyl Benzene	9.57	91	277945	9.646	ug/l	100
64) m/p-Xylenes	9.70	106	216919	19.268	ug/l	99
65) o-Xylene	10.10	106	101615	9.507	ug/l	99
66) Styrene	10.11	104	183791	10.034	ug/l	99
67) Bromoform	10.29	173	26750	9.701	ug/l	99
69) Isopropylbenzene	10.48	105	272008	9.528	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.78	83	63442	8.755	ug/l	99
71) 1,2,3-Trichloropropane	10.83	75	80092	14.672	ug/l	80
72) Bromobenzene	10.78	156	59903	9.239	ug/l	98
73) n-propylbenzene	10.91	120	75938	9.460	ug/l	97
74) 2-Chlorotoluene	10.99	126	61813	9.116	ug/l	97
75) 1,3,5-Trimethylbenzene	11.09	105	239221	9.693	ug/l	99
76) 4-Chlorotoluene	11.10	126	68355	9.732	ug/l	99
77) tert-Butylbenzene	11.42	119	223012	9.419	ug/l	100
78) 1,2,4-Trimethylbenzene	11.46	105	249524	9.858	ug/l	99
79) sec-Butylbenzene	11.64	105	321802	9.549	ug/l	100
80) Nitrobenzene	13.20	77	8767	71.499	ug/l	97
81) p-Isopropyltoluene	11.79	119	260614	9.596	ug/l	100
82) 1,3-Dichlorobenzene	11.74	146	125382	8.985	ug/l	100
83) 1,4-Dichlorobenzene	11.83	146	125834	8.965	ug/l	100
84) n-Butylbenzene	12.20	91	274429	9.513	ug/l	99
85) 1,2-Dichlorobenzene	12.21	146	121297	9.018	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.99	75	11952	9.792	ug/l	93
87) 1,2,4-Trichlorobenzene	13.83	180	79222	9.417	ug/l	98
88) Hexachlorobutadiene	14.01	225	36248	9.488	ug/l	99
89) Naphthalene	14.08	128	167755	9.320	ug/l	100
90) 1,2,3-Trichlorobenzene	14.32	180	75201	9.469	ug/l	99

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.12 min Scan# 1488

Delta R.T. -0.00 min

Lab File: VU039842.D

Acq: 12 Aug 2020 13:31

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 20877

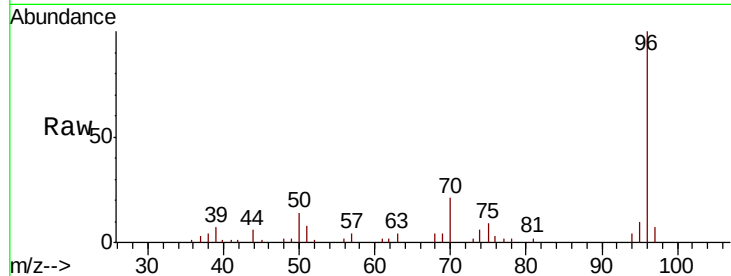
Ion Ratio Lower Upper

96 100

70 22.6 16.3 24.5

95 9.7 6.8 10.2

97 0.0 0.0 0.0

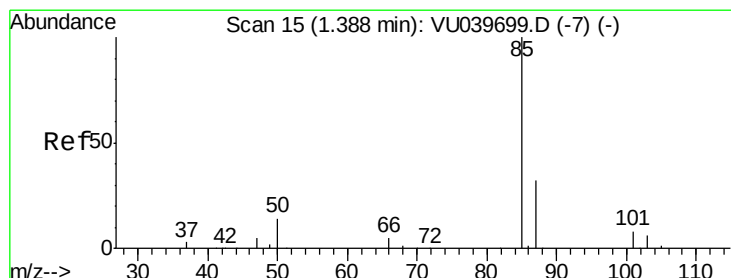
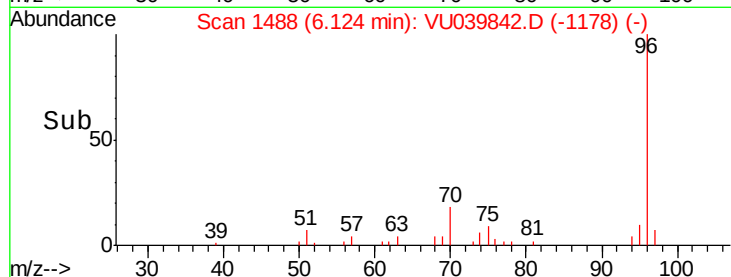
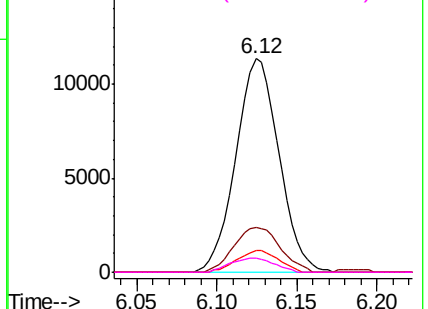


Abundance Ion 96.00 (95.70 to 96.70): VU039699.D (-1475) (-)

Ion 70.00 (69.70 to 70.70): VU039699.D (-1475) (-)

Ion 95.00 (94.70 to 95.70): VU039699.D (-1475) (-)

Ion 97.00 (96.70 to 97.70): VU039699.D (-1475) (-)



#2

Dichlorodifluoromethane

Concen: 8.673 ug/l

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU039842.D

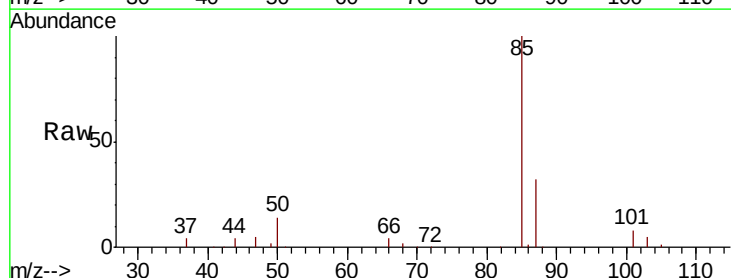
Acq: 12 Aug 2020 13:31

Tgt Ion: 85 Resp: 62919

Ion Ratio Lower Upper

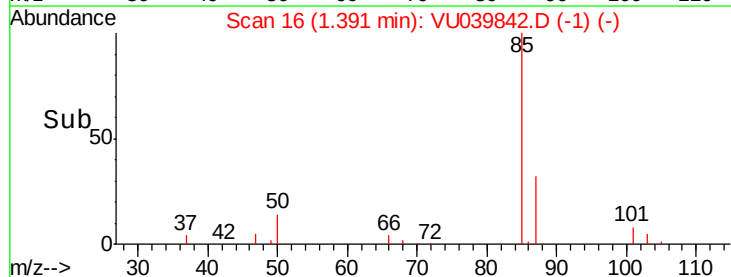
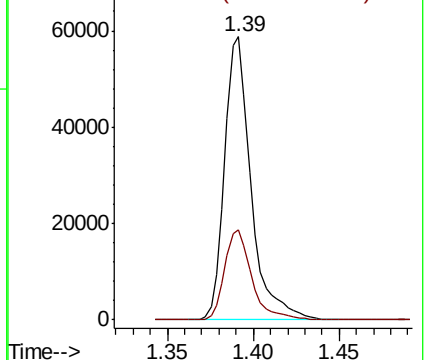
85 100

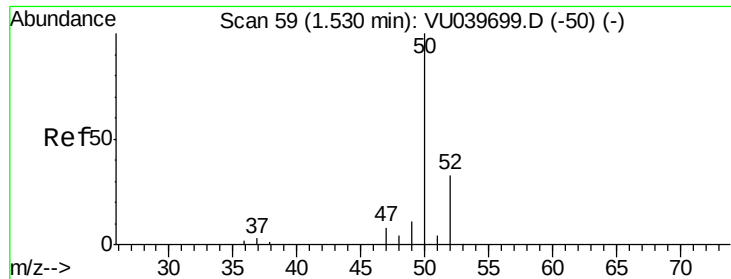
87 31.9 16.2 48.6



Abundance Ion 85.00 (84.70 to 85.70): VU039699.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU039699.D (-7) (-)

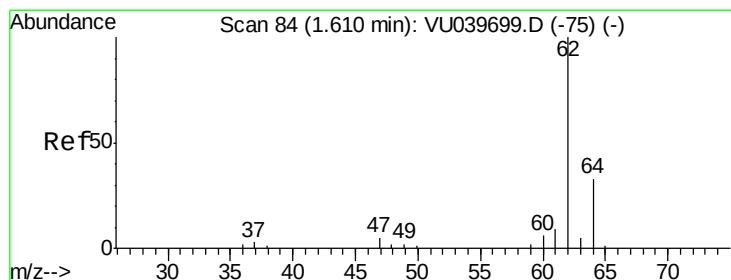
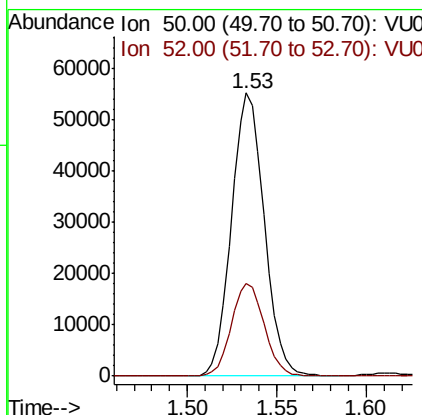
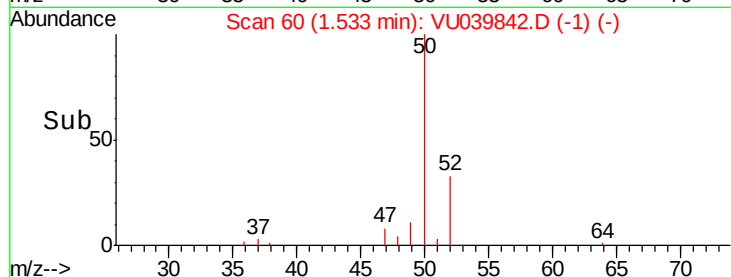
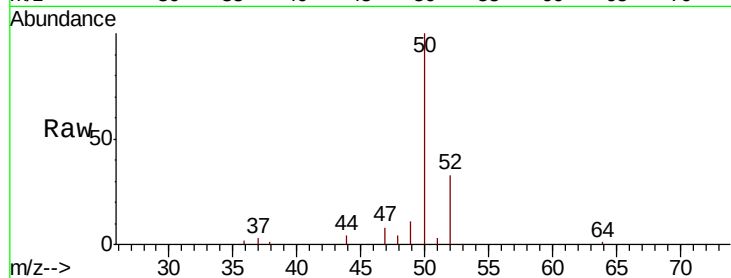




#3
 Chloromethane
 Concen: 7.846 ug/l
 RT: 1.53 min Scan# 60
 Delta R.T. 0.00 min
 Lab File: VU039842.D
 Acq: 12 Aug 2020 13:31

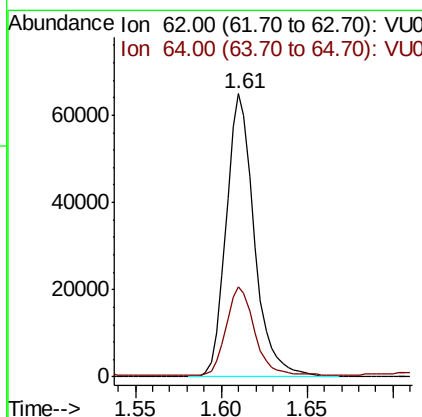
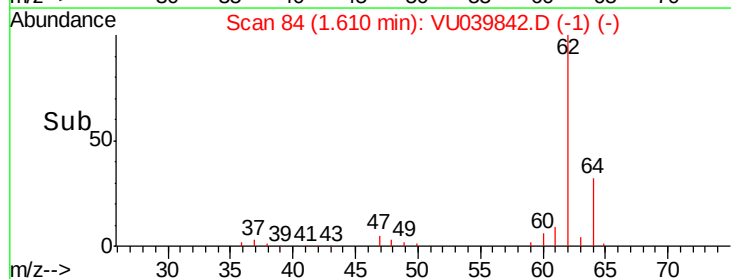
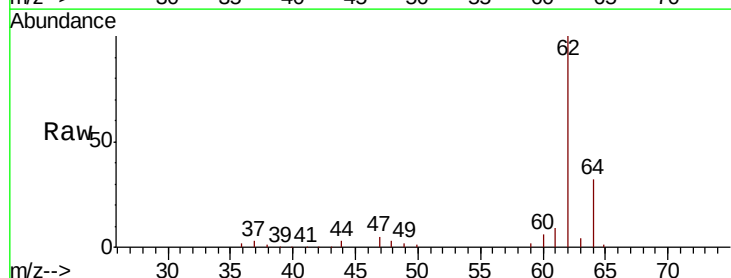
Instrument :
 MSVOA_U
 ClientSampleId :

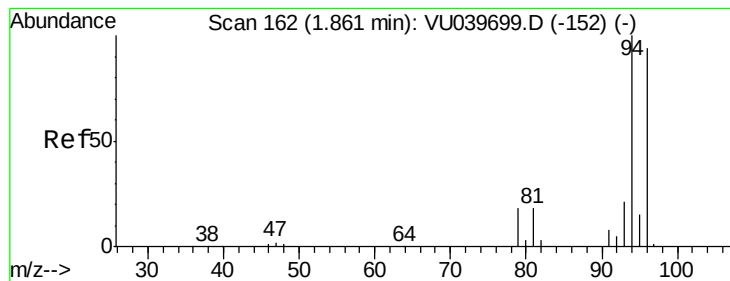
Tot Ion: 50 Resp: 70703
 Ion Ratio Lower Upper
 50 100
 52 32.9 26.0 39.0



#4
 Vinyl Chloride
 Concen: 8.958 ug/l
 RT: 1.61 min Scan# 84
 Delta R.T. -0.00 min
 Lab File: VU039842.D
 Acq: 12 Aug 2020 13:31

Tgt Ion: 62 Resp: 74399
 Ion Ratio Lower Upper
 62 100
 64 31.4 26.0 39.0





#5

Bromomethane

Concen: 6.235 ug/l

RT: 1.86 min Scan# 162

Delta R.T. -0.00 min

Lab File: VU039842.D

Acq: 12 Aug 2020 13:31

Instrument :

MSVOA_U

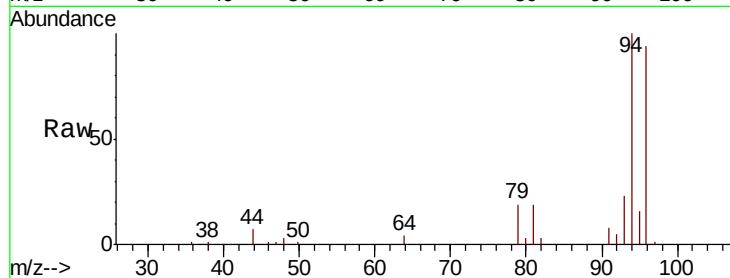
ClientSampled :

Tot Ion: 94 Resp: 35418

Ion Ratio Lower Upper

94 100

96 93.7 75.0 112.6



Abundance Ion 94.00 (93.70 to 94.70): VU039699.D (-152) (-)

Ion 96.00 (95.70 to 96.70): VU039842.D (-7) (-)

1.86

25000

20000

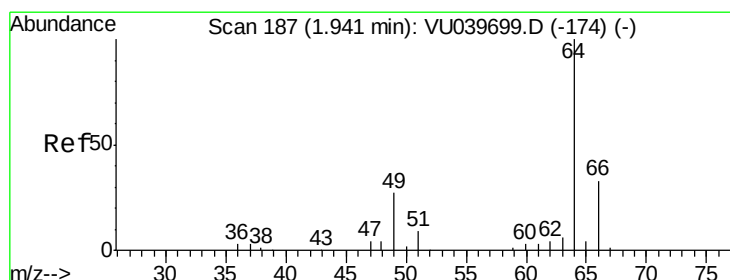
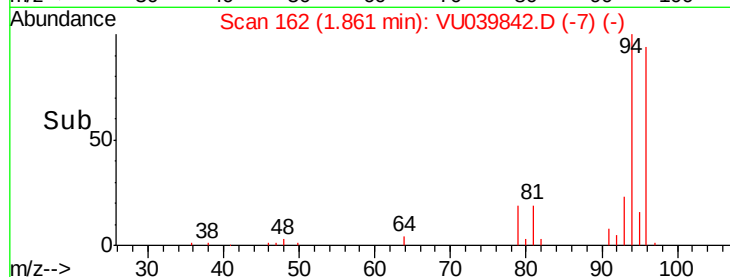
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 8.627 ug/l

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU039842.D

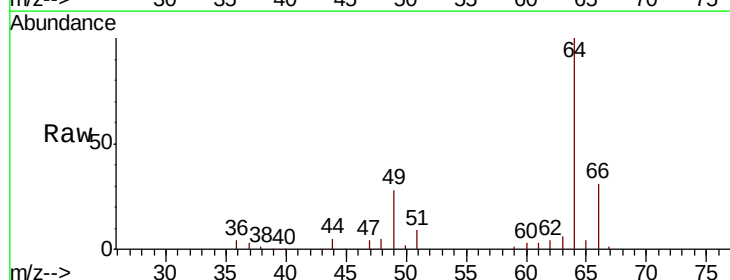
Acq: 12 Aug 2020 13:31

Tgt Ion: 64 Resp: 49715

Ion Ratio Lower Upper

64 100

66 32.1 26.2 39.2



Abundance Ion 64.00 (63.70 to 64.70): VU039699.D (-174) (-)

Ion 66.00 (65.70 to 66.70): VU039842.D (-32) (-)

1.94

40000

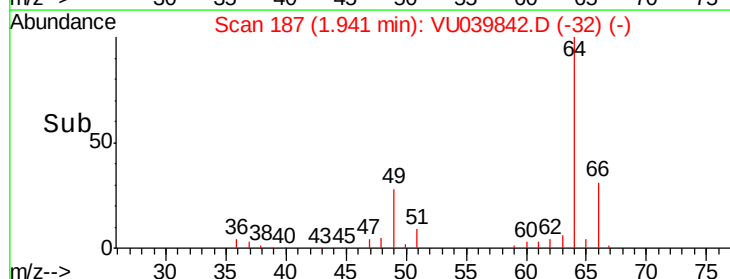
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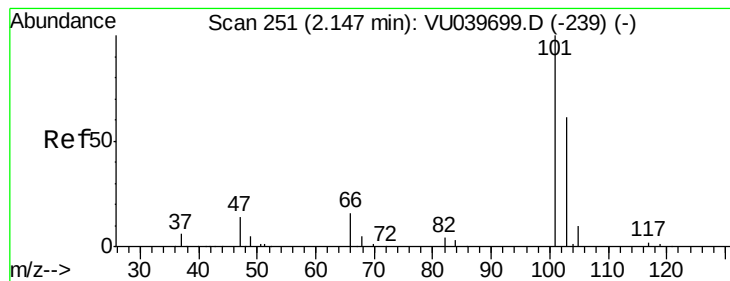
20000

10000

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Time-->



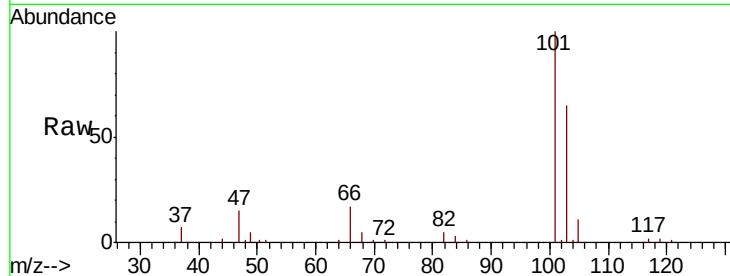


#7

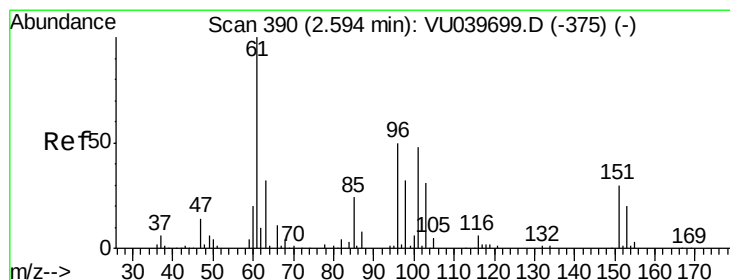
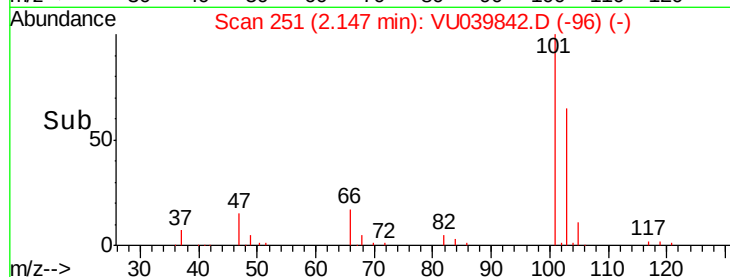
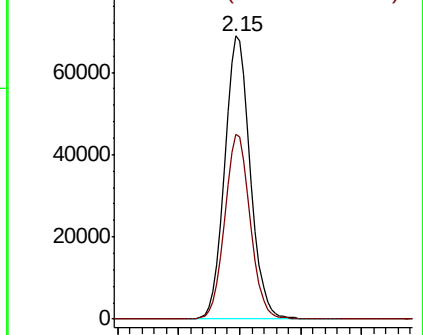
Trichlorofluoromethane
 Concen: 9.232 ug/l
 RT: 2.15 min Scan# 251
 Delta R.T. -0.00 min
 Lab File: VU039842.D
 Acq: 12 Aug 2020 13:31

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	101	Resp	101414
Ion	Ratio	Lower	Upper
101	100		
103	65.3	48.8	73.2



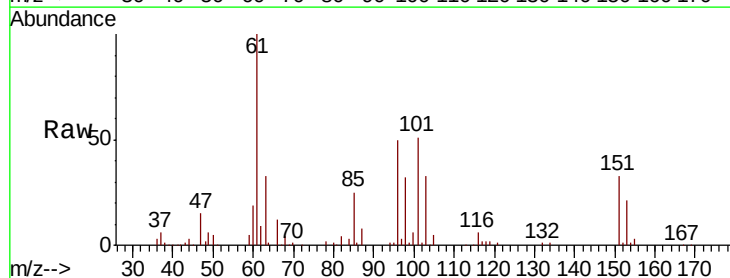
Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 103.00 (102.70 to 103.70): V



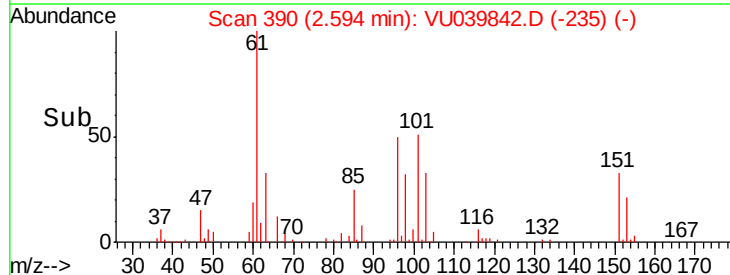
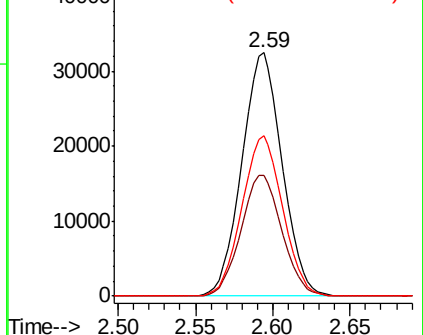
#8

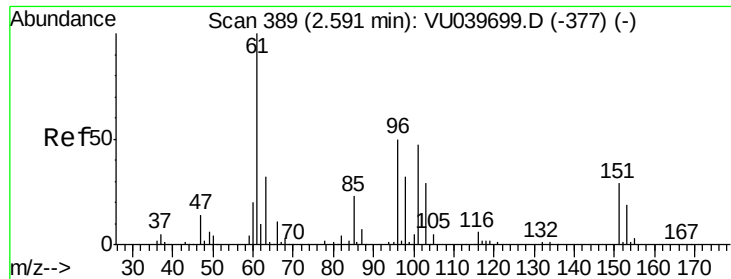
1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 9.342 ug/l
 RT: 2.59 min Scan# 390
 Delta R.T. -0.00 min
 Lab File: VU039842.D
 Acq: 12 Aug 2020 13:31

Tgt Ion	101	Resp	58894
Ion	Ratio	Lower	Upper
101	100		
85	50.2	39.9	59.9
151	66.2	51.0	76.4



Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 85.00 (84.70 to 85.70): VU
 Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 8.970 ug/l

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU039842.D

Acq: 12 Aug 2020 13:31

Instrument :

MSVOA_U

ClientSampled :

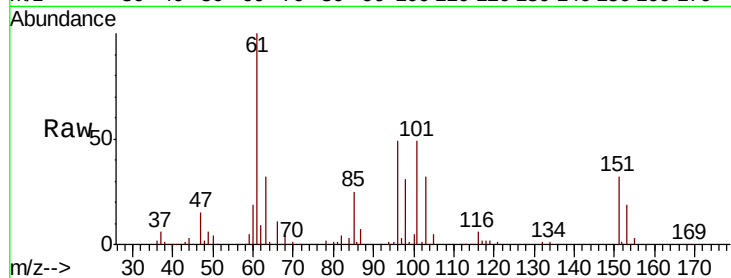
Tot Ion: 96 Resp: 52032

Ion Ratio Lower Upper

96 100

61 205.3 0.0 604.5

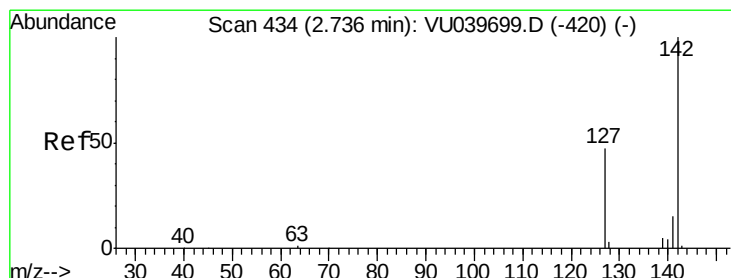
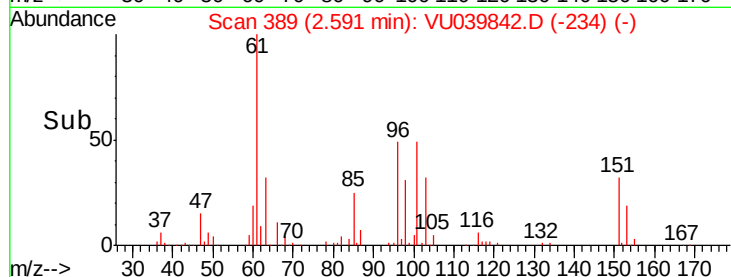
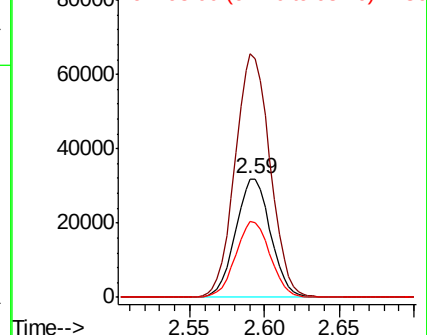
98 64.4 0.0 127.2



Abundance Ion 96.00 (95.70 to 96.70): VU039699.D (-377) (-)

Ion 61.00 (60.70 to 61.70): VU039699.D (-377) (-)

Ion 98.00 (97.70 to 98.70): VU039699.D (-377) (-)



#10

Iodomethane

Concen: 6.736 ug/l

RT: 2.74 min Scan# 434

Delta R.T. -0.00 min

Lab File: VU039842.D

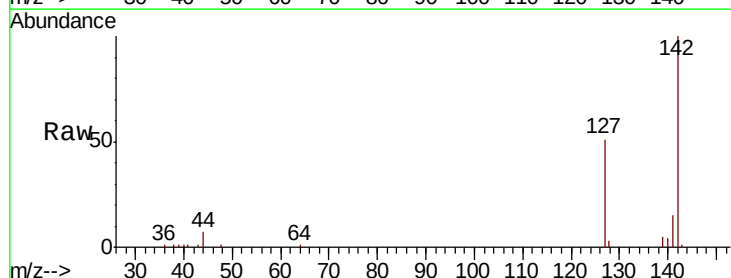
Acq: 12 Aug 2020 13:31

Tgt Ion: 142 Resp: 39410

Ion Ratio Lower Upper

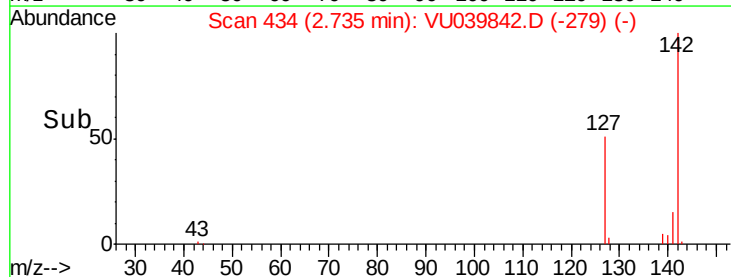
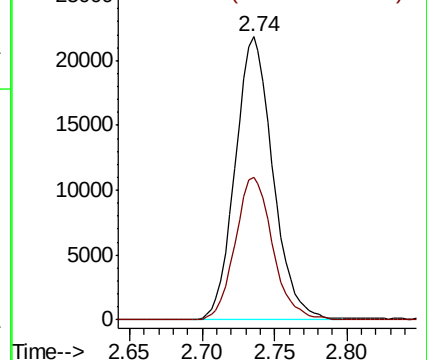
142 100

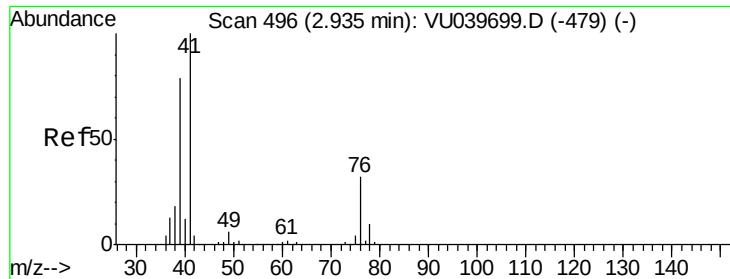
127 50.0 38.4 57.6



Abundance Ion 142.00 (141.70 to 142.70): VU039699.D (-420) (-)

Ion 127.00 (126.70 to 127.70): VU039699.D (-420) (-)

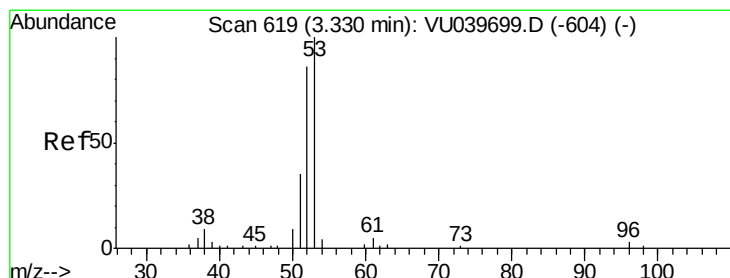
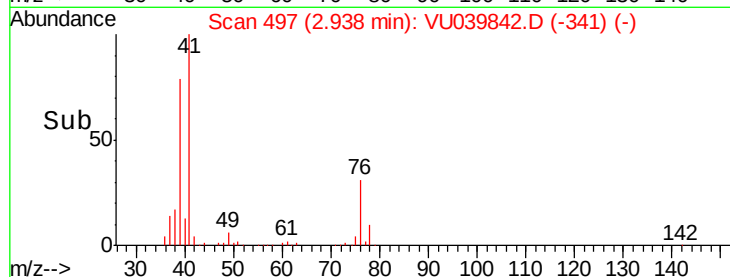
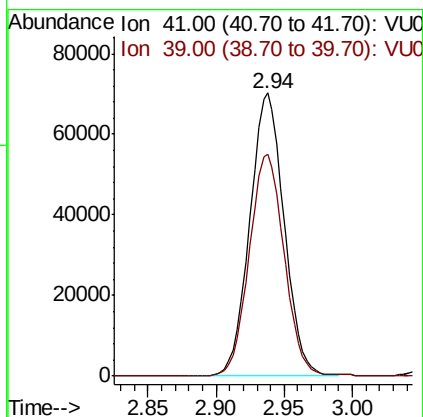
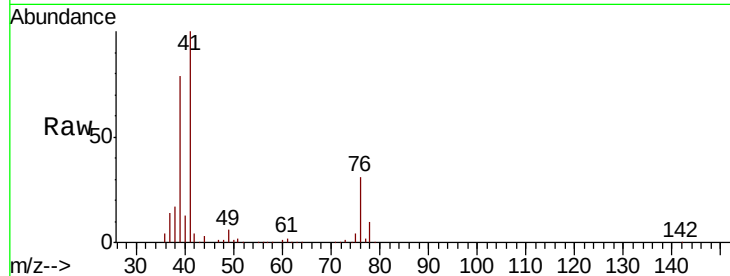




#11
Allvl Chloride
Concen: 9.808 ug/l
RT: 2.94 min Scan# 497
Delta R.T. 0.00 min
Lab File: VU039842.D
Acq: 12 Aug 2020 13:31

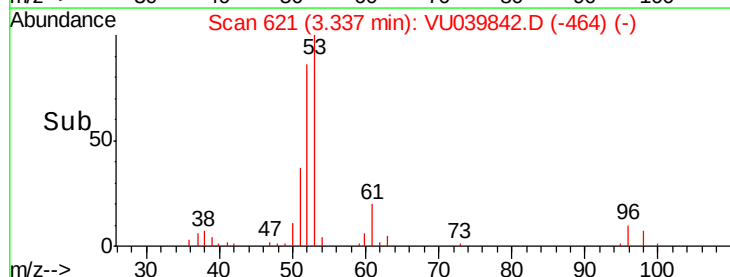
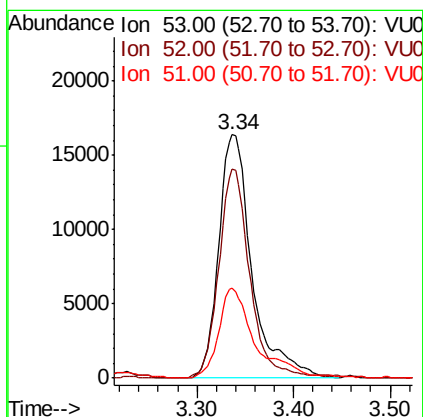
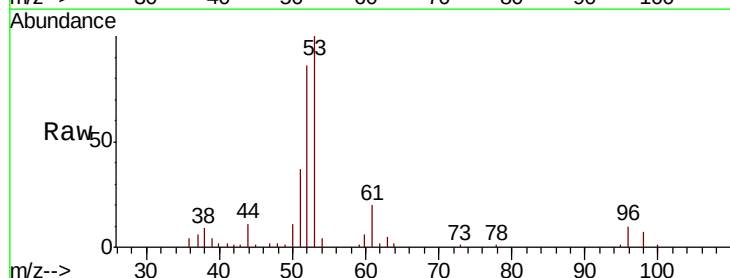
Instrument :
MSVOA_U
ClientSampled :

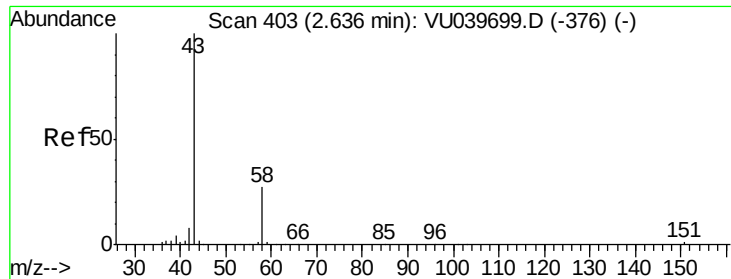
Tot Ion: 41 Resp: 122730
Ion Ratio Lower Upper
41 100
39 80.1 64.2 96.2



#12
Acrylonitrile
Concen: 19.290 ug/l
RT: 3.34 min Scan# 621
Delta R.T. 0.01 min
Lab File: VU039842.D
Acq: 12 Aug 2020 13:31

Tgt Ion: 53 Resp: 39276
Ion Ratio Lower Upper
53 100
52 79.9 69.1 103.7
51 40.3 29.4 44.2





#13

Acetone

Concen: 43.090 ug/l

RT: 2.65 min Scan# 406

Delta R.T. 0.01 min

Lab File: VU039842.D

Acq: 12 Aug 2020 13:31

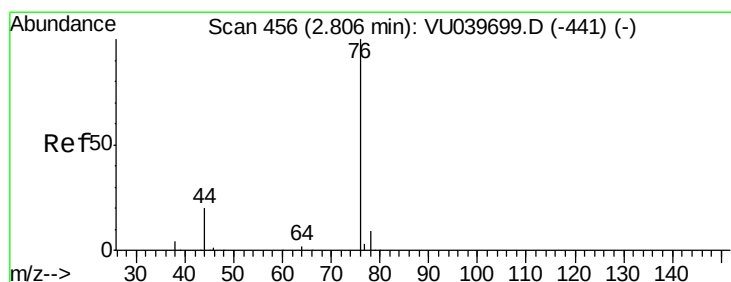
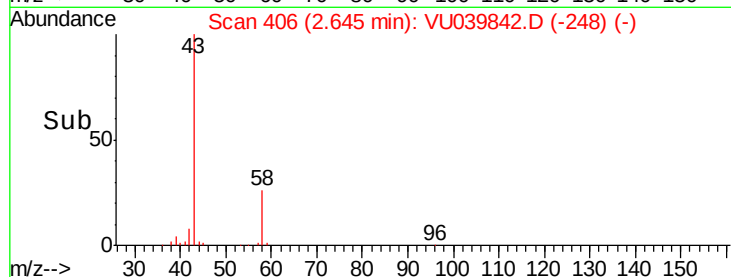
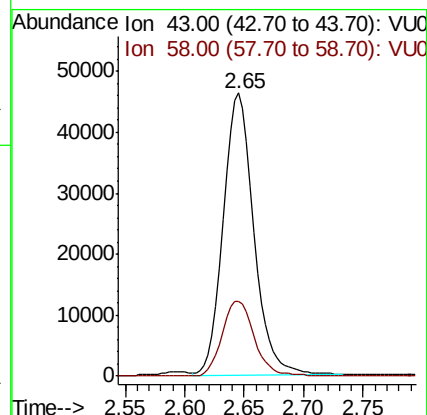
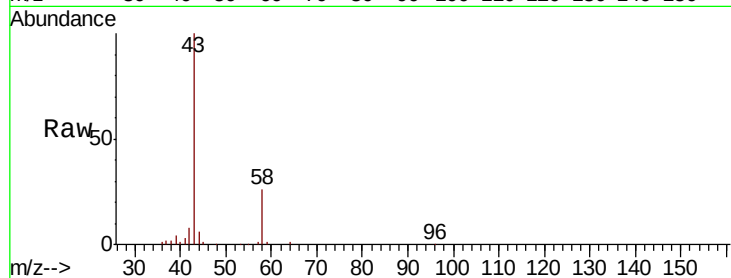
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 82550

Ion Ratio Lower Upper

43 100

58 26.6 21.8 32.6



#14

Carbon Disulfide

Concen: 7.264 ug/l

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU039842.D

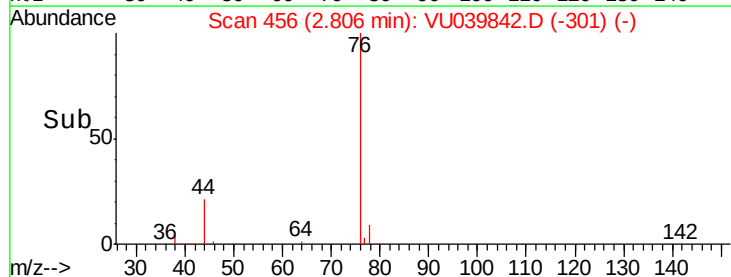
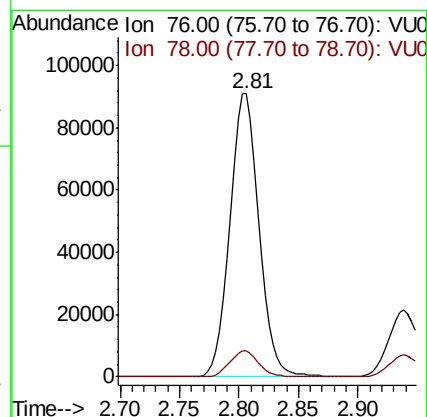
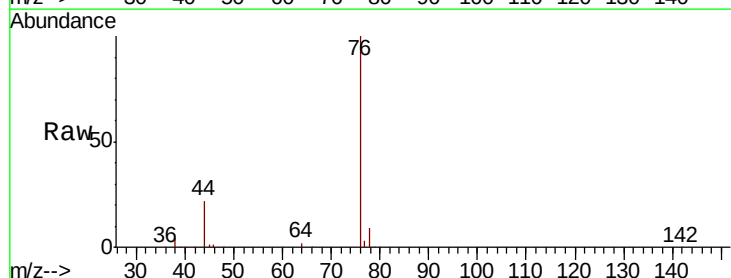
Acq: 12 Aug 2020 13:31

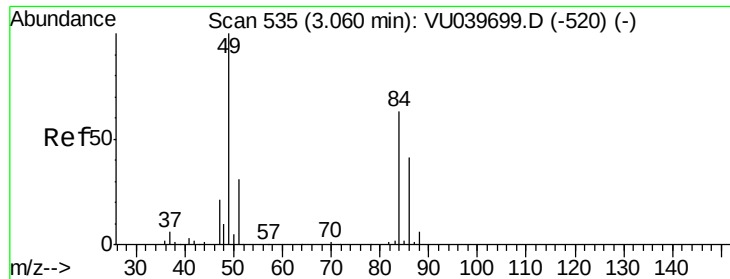
Tgt Ion: 76 Resp: 154515

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6

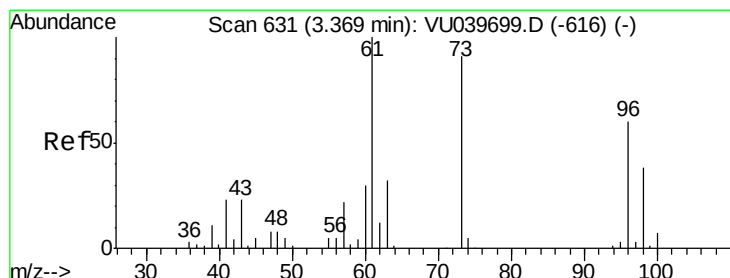
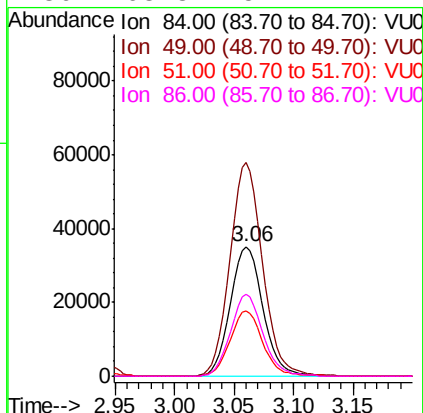
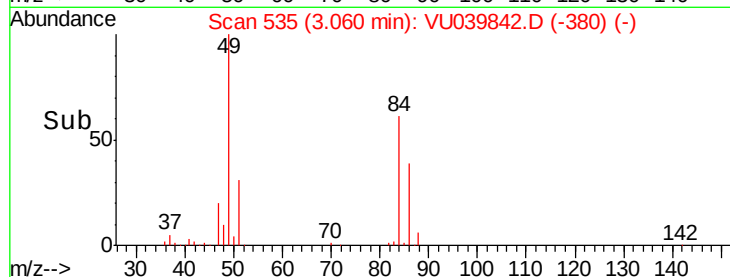
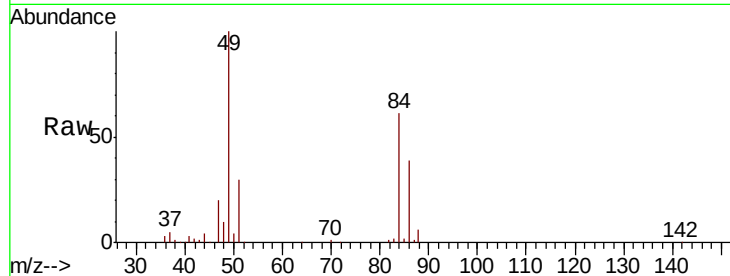




#15
Methylene Chloride
Concen: 8.304 ug/l
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU039842.D
Acq: 12 Aug 2020 13:31

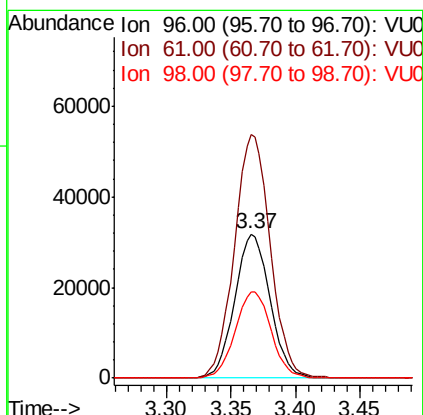
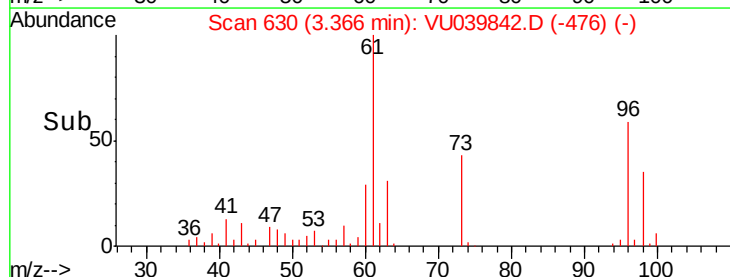
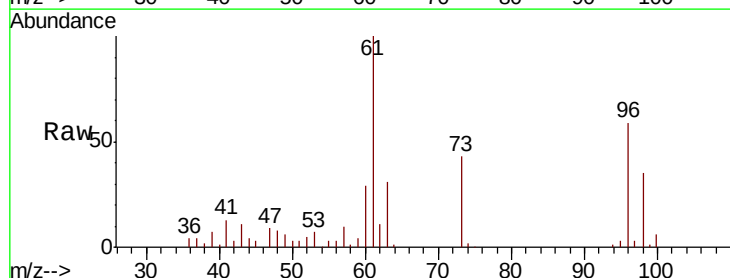
Instrument :
MSVOA_U
ClientSampled :

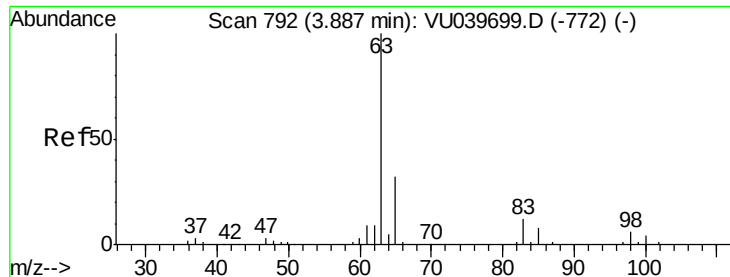
Tot Ion: 84 Resp: 67146
Ion Ratio Lower Upper
84 100
49 165.2 126.8 190.2
51 50.3 0.0 97.2
86 63.8 51.4 77.2



#16
trans-1,2-Dichloroethene
Concen: 9.164 ug/l
RT: 3.37 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU039842.D
Acq: 12 Aug 2020 13:31

Tgt Ion: 96 Resp: 60437
Ion Ratio Lower Upper
96 100
61 168.5 132.6 199.0
98 59.7 50.2 75.2

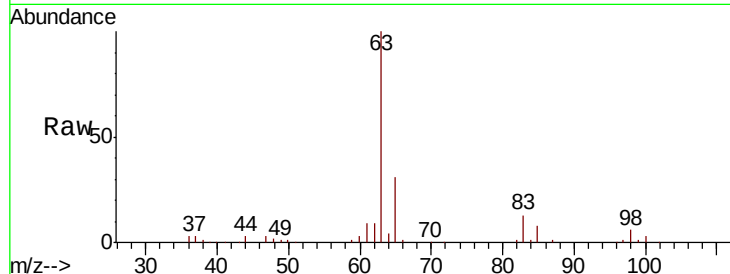




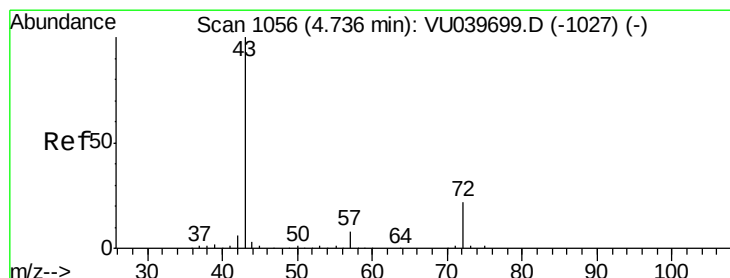
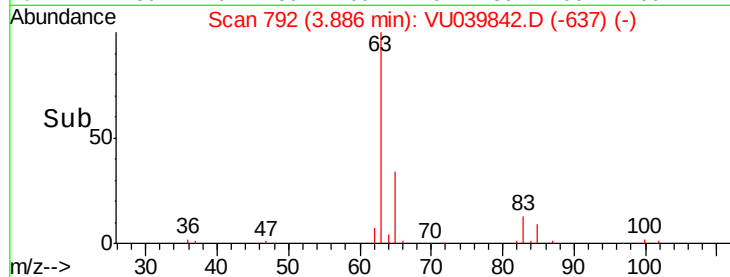
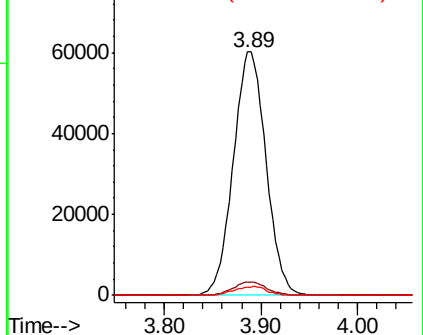
#17
 1,1-Dichloroethane
 Concen: 9.777 ug/l
 RT: 3.89 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VU039842.D
 Acq: 12 Aug 2020 13:31

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 63 Resp: 141587
 Ion Ratio Lower Upper
 63 100
 98 5.5 2.9 8.7
 100 3.3 2.0 6.0

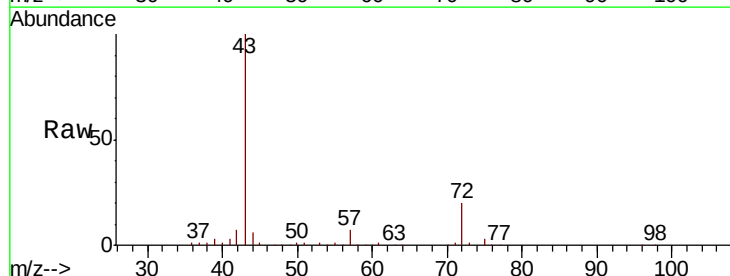


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

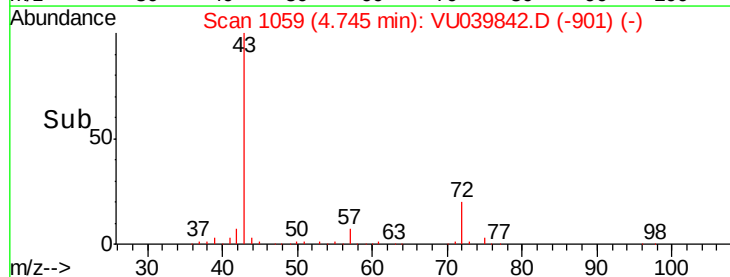
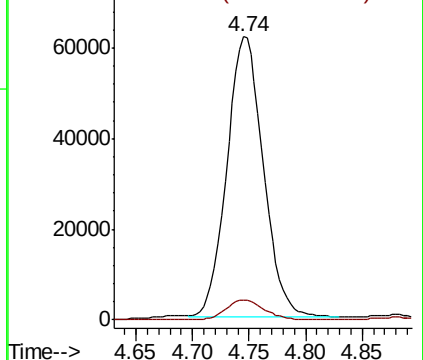


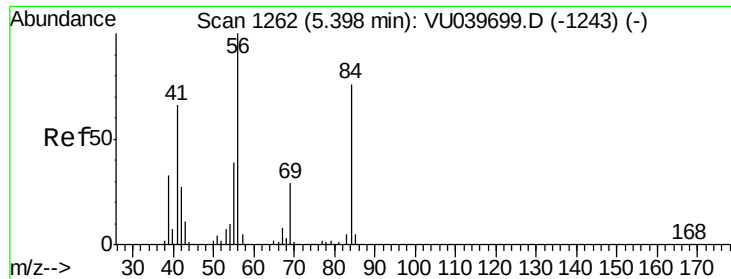
#18
 2-Butanone
 Concen: 42.912 ug/l
 RT: 4.74 min Scan# 1059
 Delta R.T. 0.01 min
 Lab File: VU039842.D
 Acq: 12 Aug 2020 13:31

Tgt Ion: 43 Resp: 138244
 Ion Ratio Lower Upper
 43 100
 57 7.0 0.0 15.2



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0

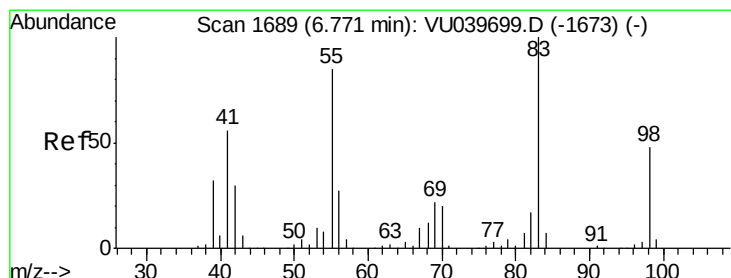
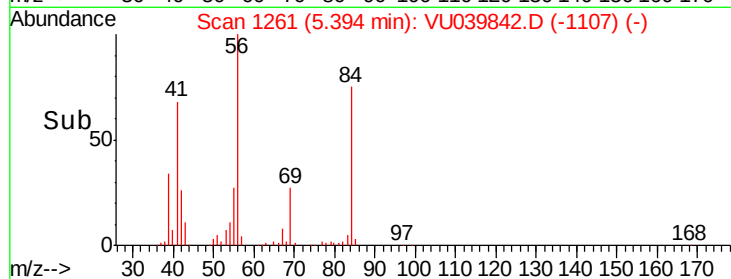
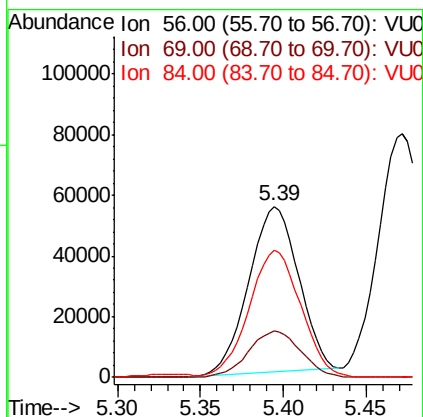
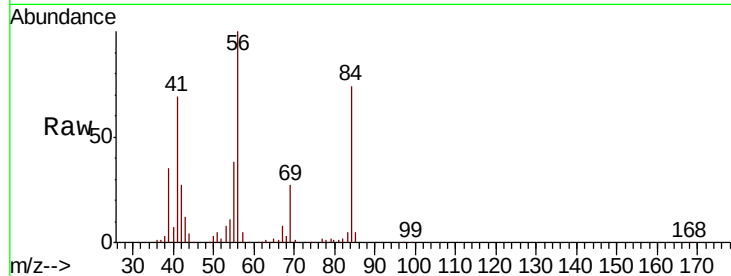




#19
Cyclohexane
Concen: 8.163 ug/l
RT: 5.39 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VU039842.D
Acq: 12 Aug 2020 13:31

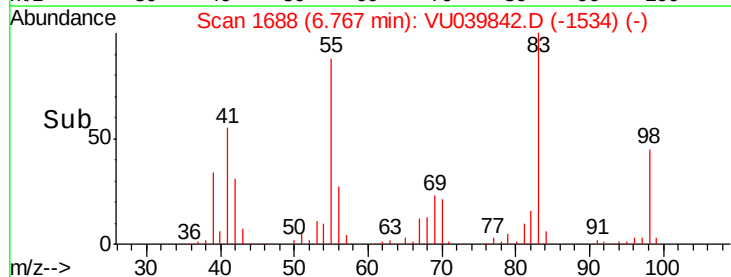
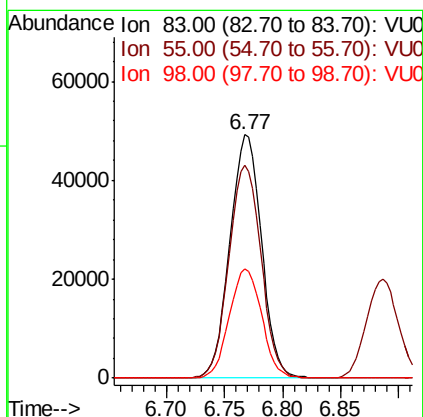
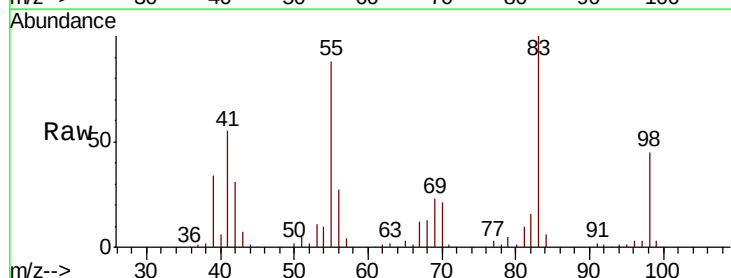
Instrument :
MSVOA_U
ClientSampleId :

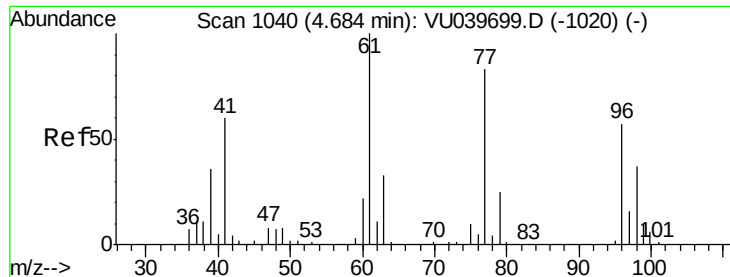
Tot Ion: 56 Resp: 114419
Ion Ratio Lower Upper
56 100
69 29.5 22.8 34.2
84 77.8 59.9 89.9



#20
Methylcyclohexane
Concen: 8.944 ug/l
RT: 6.77 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VU039842.D
Acq: 12 Aug 2020 13:31

Tgt Ion: 83 Resp: 92892
Ion Ratio Lower Upper
83 100
55 88.8 67.6 101.4
98 46.0 37.3 55.9

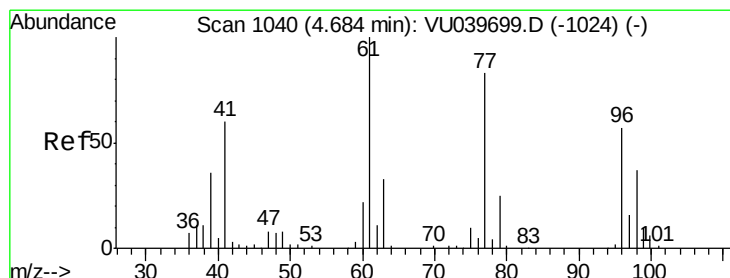
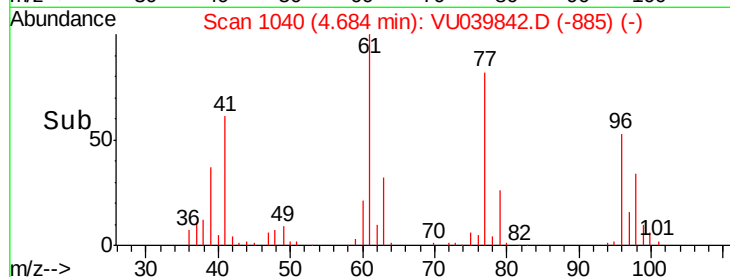
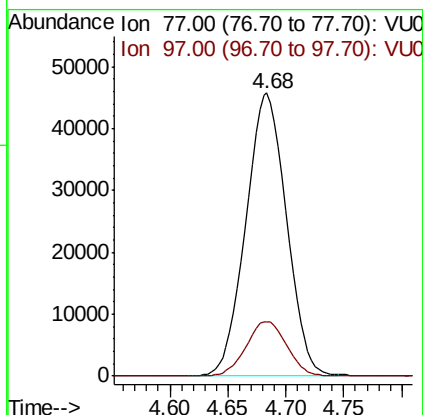
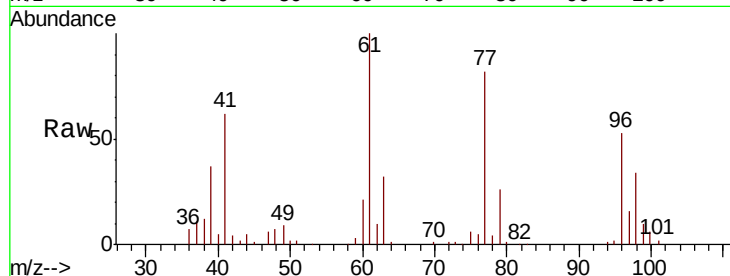




#21
 2,2-Dichloropropane
 Concen: 9.458 ug/l
 RT: 4.68 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: VU039842.D
 Acq: 12 Aug 2020 13:31

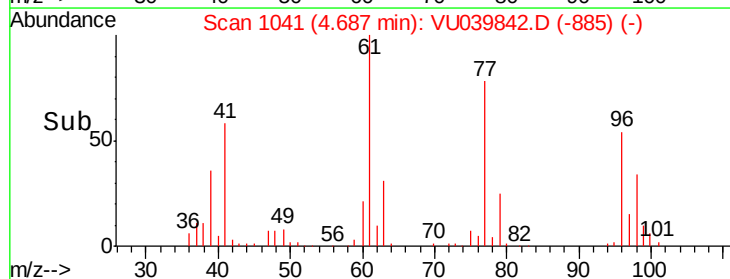
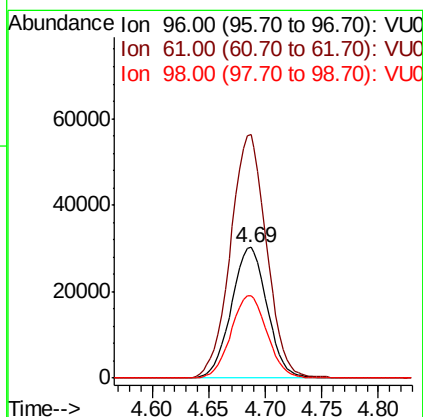
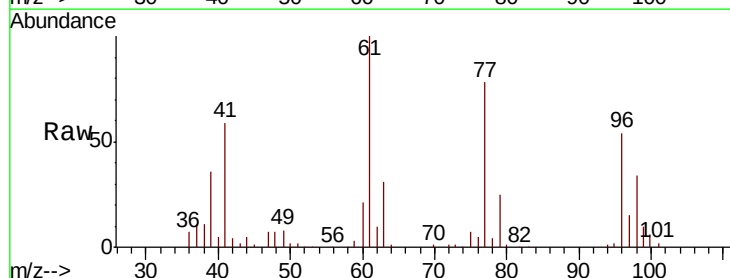
Instrument :
 MSVOA_U
 ClientSampled :

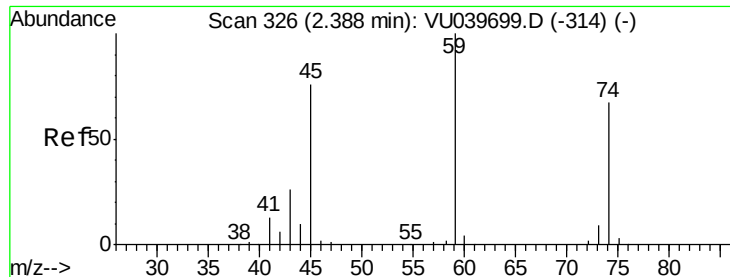
Tot Ion: 77 Resp: 111736
 Ion Ratio Lower Upper
 77 100
 97 19.3 15.2 22.8



#22
 cis-1,2-Dichloroethene
 Concen: 9.375 ug/l
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU039842.D
 Acq: 12 Aug 2020 13:31

Tgt Ion: 96 Resp: 66643
 Ion Ratio Lower Upper
 96 100
 61 187.6 0.0 451.3
 98 63.7 32.6 98.0

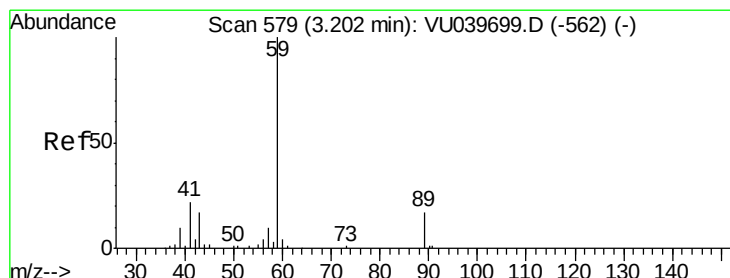
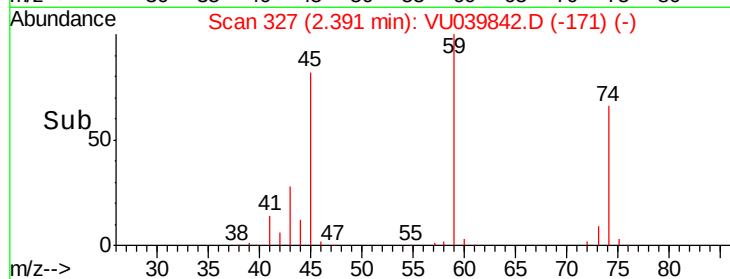
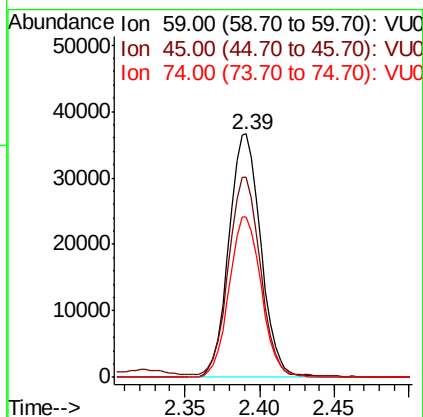
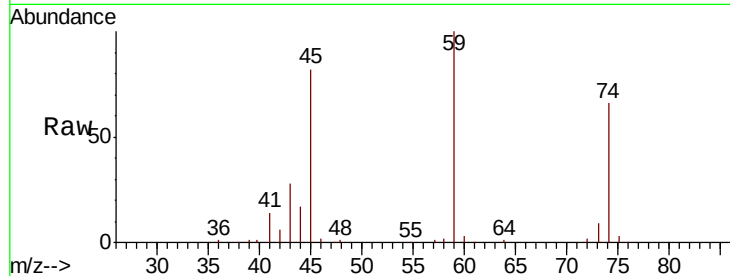




#23
Diethyl Ether
Concen: 9.178 ug/l
RT: 2.39 min Scan# 327
Delta R.T. 0.00 min
Lab File: VU039842.D
Acq: 12 Aug 2020 13:31

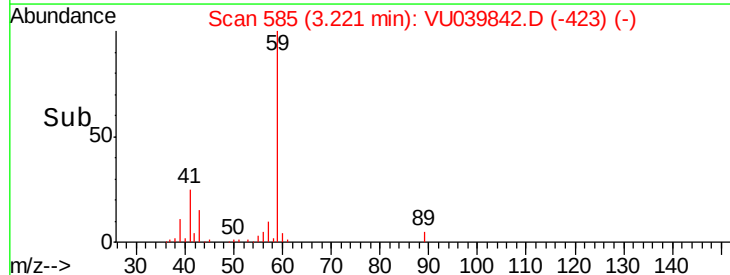
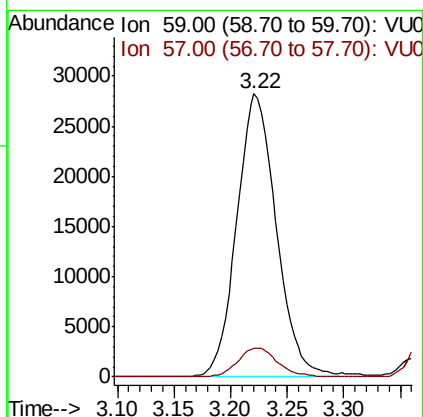
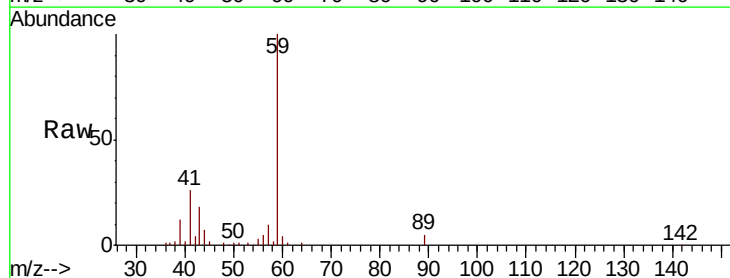
Instrument :
MSVOA_U
ClientSampleId :

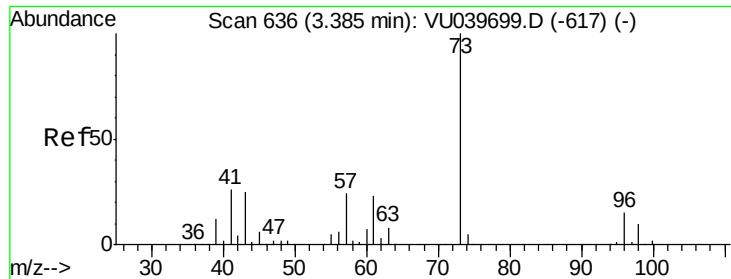
Tot Ion: 59 Resp: 54433
Ion Ratio Lower Upper
59 100
45 79.9 61.5 92.3
74 66.7 54.3 81.5



#24
tert-Butyl Alcohol
Concen: 97.124 ug/l
RT: 3.22 min Scan# 585
Delta R.T. 0.02 min
Lab File: VU039842.D
Acq: 12 Aug 2020 13:31

Tgt Ion: 59 Resp: 68736
Ion Ratio Lower Upper
59 100
57 10.2 7.8 11.6

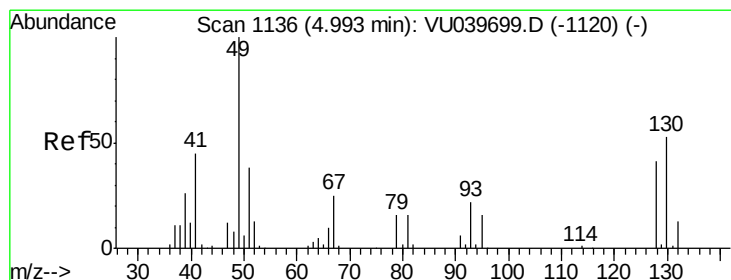
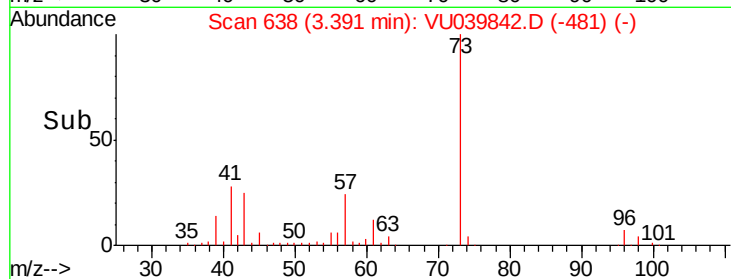
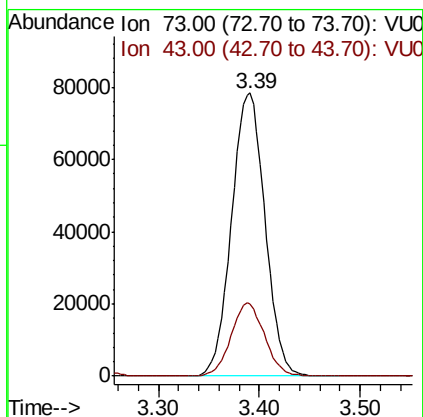
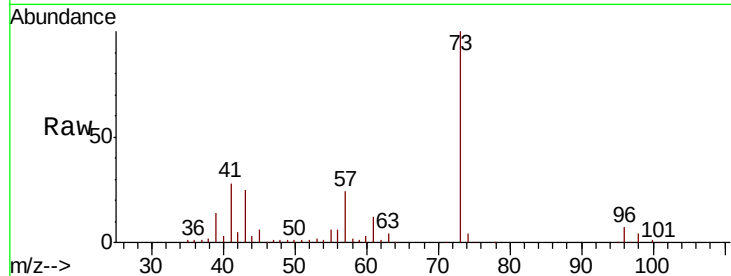




#25
Methyl tert-Butyl Ether
Concen: 9.532 ug/l
RT: 3.39 min Scan# 638
Delta R.T. 0.01 min
Lab File: VU039842.D
Acq: 12 Aug 2020 13:31

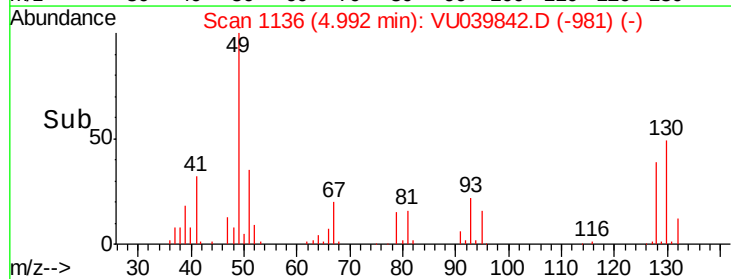
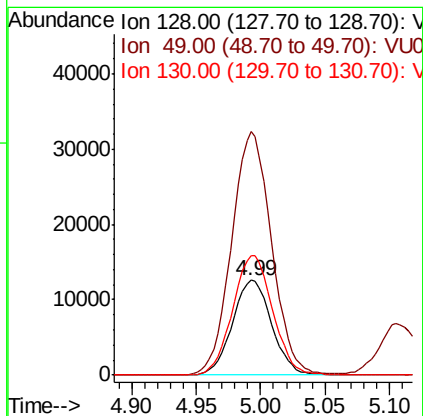
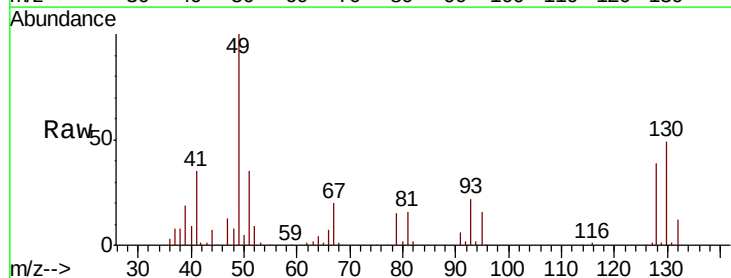
Instrument :
MSVOA_U
ClientSampleId :

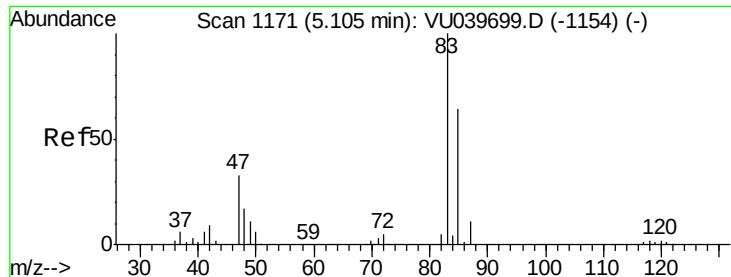
Tot Ion: 73 Resp: 180414
Ion Ratio Lower Upper
73 100
43 25.4 20.1 30.1



#26
Bromochloromethane
Concen: 9.195 ug/l
RT: 4.99 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VU039842.D
Acq: 12 Aug 2020 13:31

Tgt Ion: 128 Resp: 26742
Ion Ratio Lower Upper
128 100
49 259.8 0.0 503.8
130 127.9 102.7 154.1

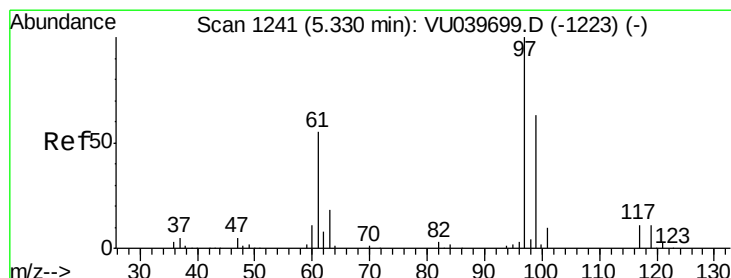
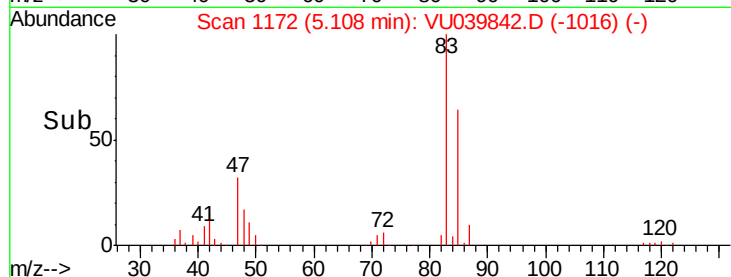
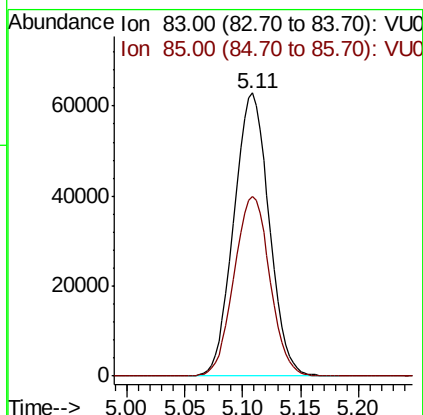
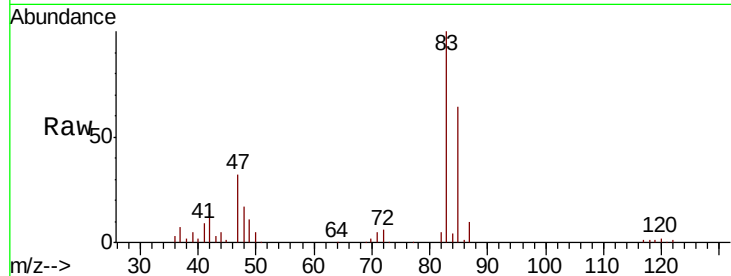




#27
Chloroform
Concen: 9.795 ug/l
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU039842.D
Acq: 12 Aug 2020 13:31

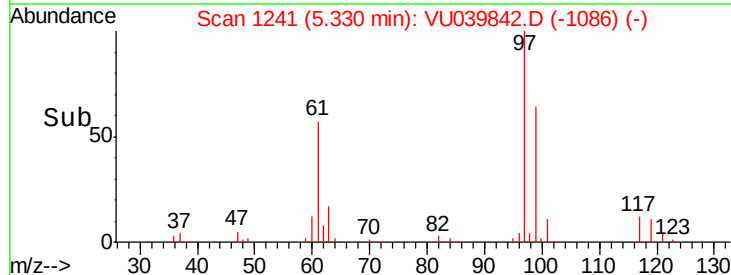
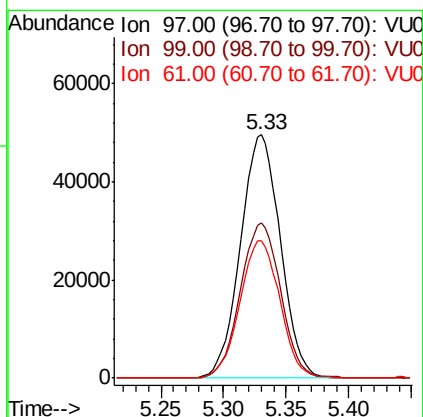
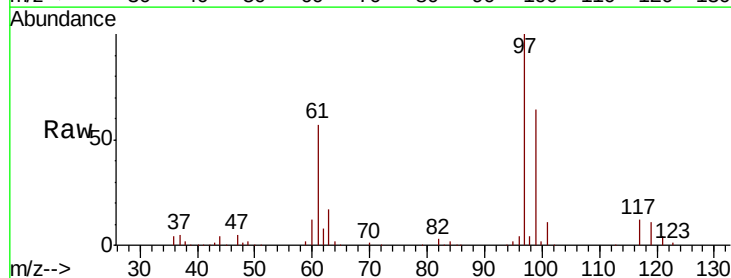
Instrument :
MSVOA_U
ClientSampleId :

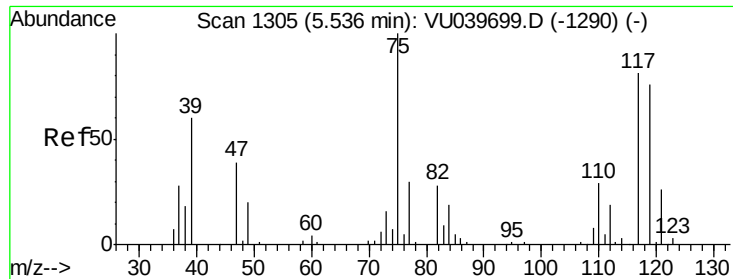
Tot Ion: 83 Resp: 132751
Ion Ratio Lower Upper
83 100
85 63.7 0.0 128.8



#28
1,1,1-Trichloroethane
Concen: 9.992 ug/l
RT: 5.33 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VU039842.D
Acq: 12 Aug 2020 13:31

Tgt Ion: 97 Resp: 109574
Ion Ratio Lower Upper
97 100
99 64.4 32.2 96.6
61 56.6 28.3 85.0





#29

1,1-Dichloropropene

Concen: 9.538 ug/l

RT: 5.54 min Scan# 1305

Delta R.T. -0.00 min

Lab File: VU039842.D

Acq: 12 Aug 2020 13:31

Instrument :
MSVOA_U
ClientSampleId :

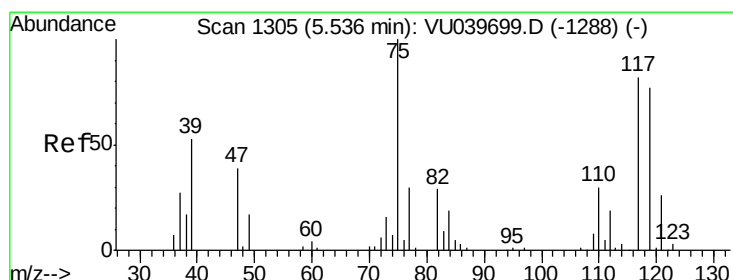
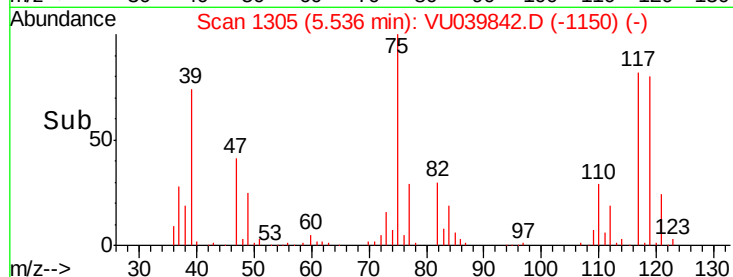
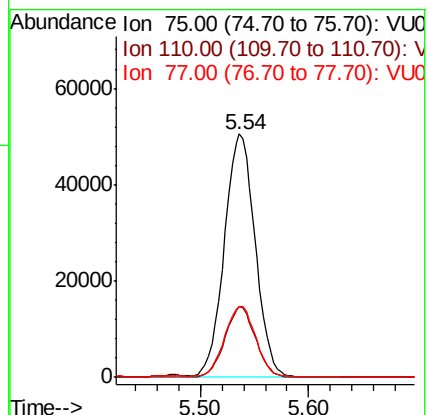
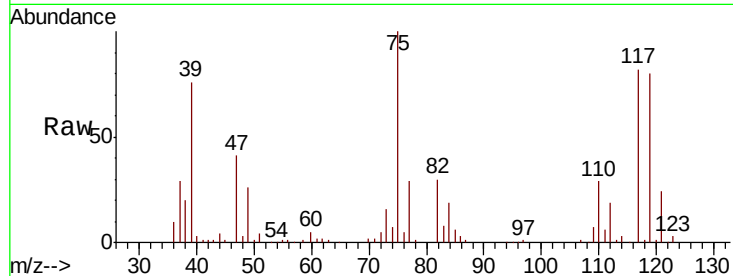
Tot Ion: 75 Resp: 100728

Ion Ratio Lower Upper

75 100

110 28.5 14.6 44.0

77 29.2 25.0 37.4



#30

Carbon Tetrachloride

Concen: 10.122 ug/l

RT: 5.53 min Scan# 1304

Delta R.T. -0.00 min

Lab File: VU039842.D

Acq: 12 Aug 2020 13:31

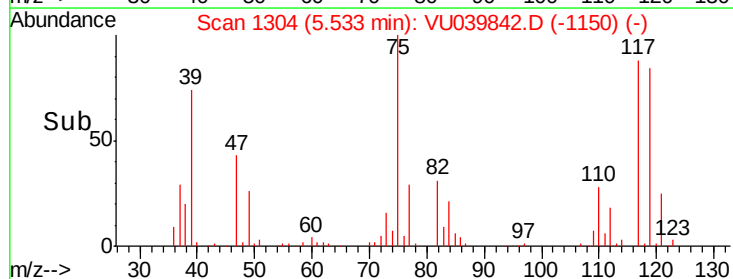
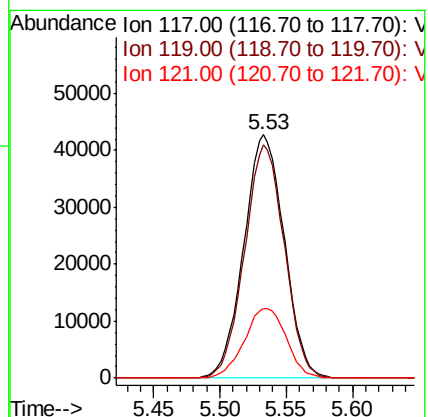
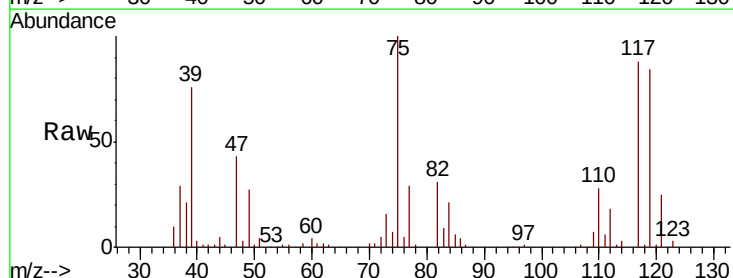
Tgt Ion: 117 Resp: 90767

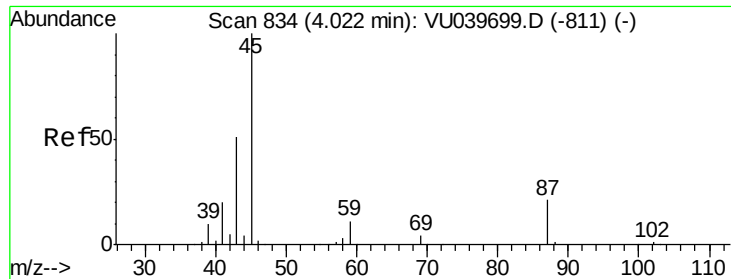
Ion Ratio Lower Upper

117 100

119 95.7 75.2 112.8

121 28.7 25.4 38.2





#31

Isopropyl Ether

Concen: 10.142 ug/l

RT: 4.02 min Scan# 835

Delta R.T. 0.00 min

Lab File: VU039842.D

Acq: 12 Aug 2020 13:31

Instrument :

MSVOA_U

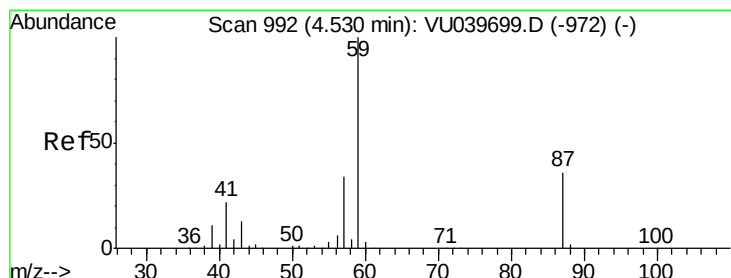
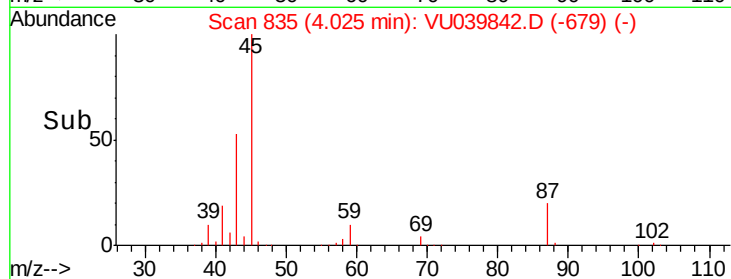
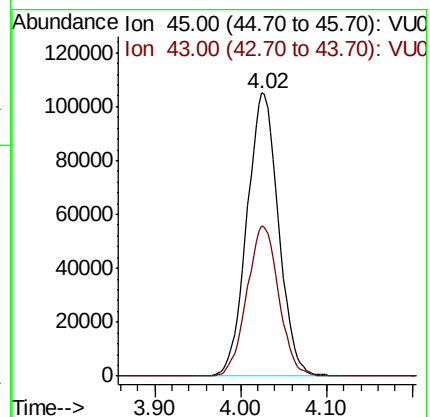
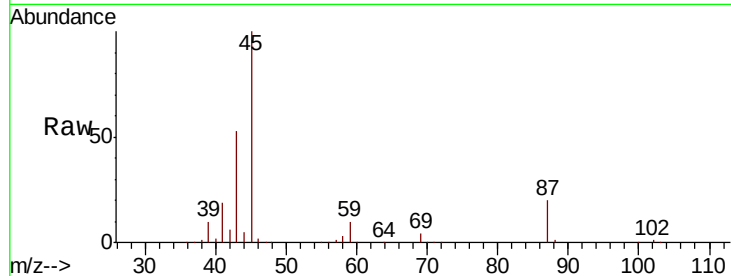
ClientSampleId :

Tot Ion: 45 Resp: 267882

Ion Ratio Lower Upper

45 100

43 53.1 26.5 79.4



#32

Ethyl-t-butyl ether

Concen: 9.813 ug/l

RT: 4.54 min Scan# 994

Delta R.T. 0.01 min

Lab File: VU039842.D

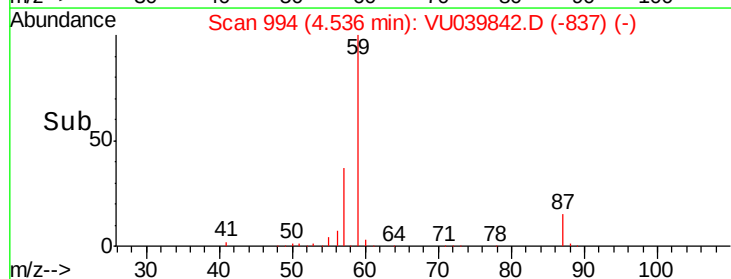
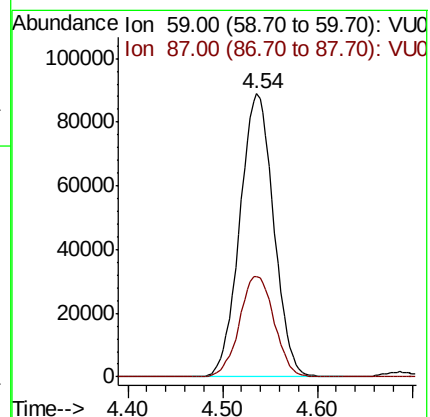
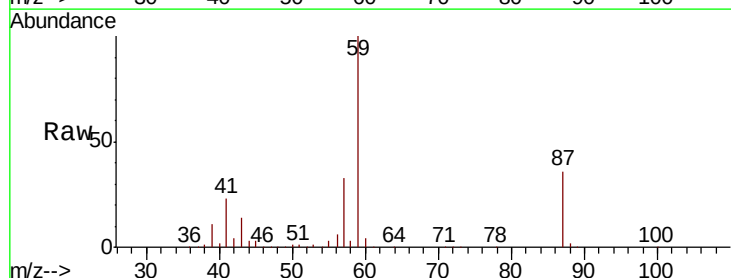
Acq: 12 Aug 2020 13:31

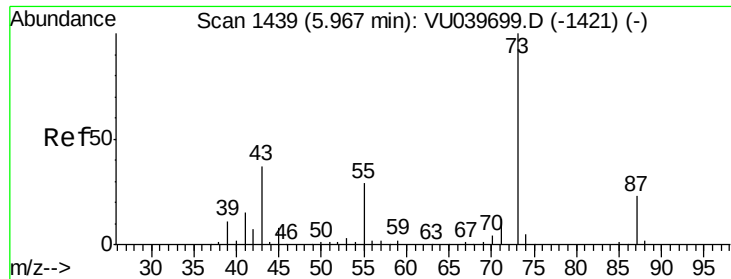
Tgt Ion: 59 Resp: 220567

Ion Ratio Lower Upper

59 100

87 36.4 29.4 44.0

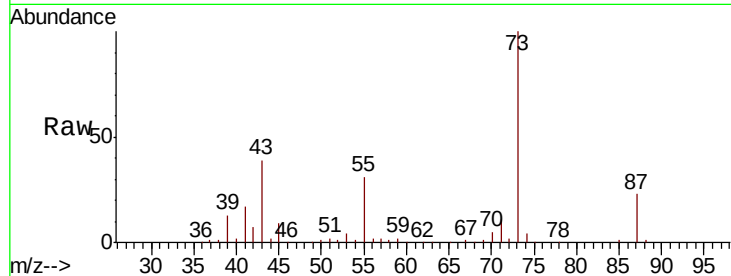




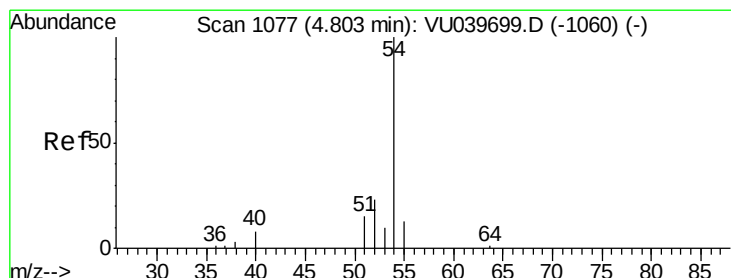
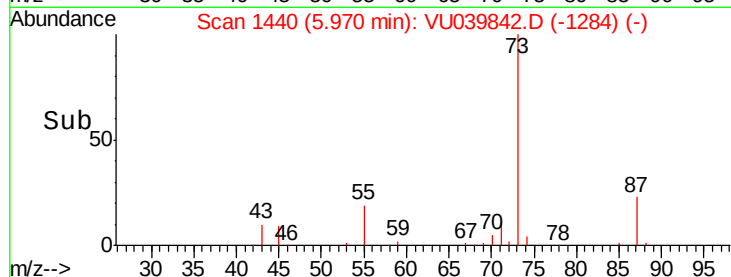
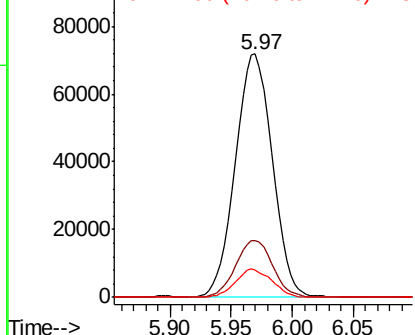
#33
Tert-Butyl methyl ether
Concen: 9.244 ug/l
RT: 5.97 min Scan# 1440
Delta R.T. 0.00 min
Lab File: VU039842.D
Acq: 12 Aug 2020 13:31

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 149802
Ion Ratio Lower Upper
73 100
87 23.5 18.7 28.1
71 11.5 9.1 13.7

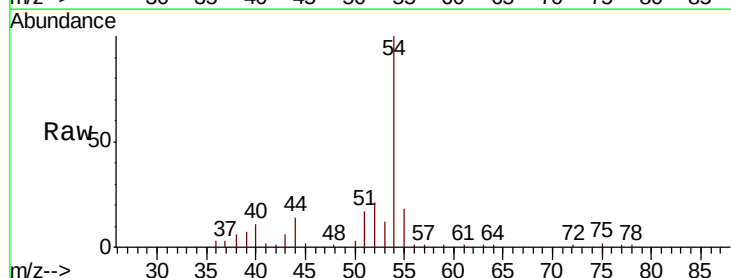


Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 71.00 (70.70 to 71.70): VU0

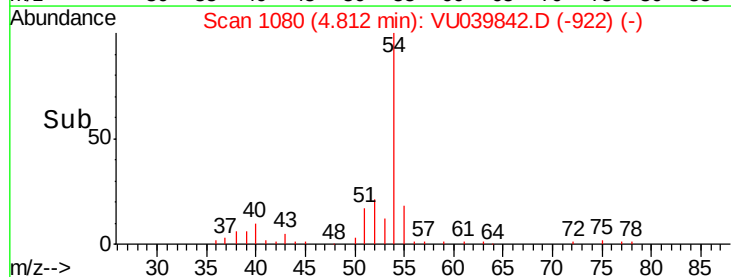
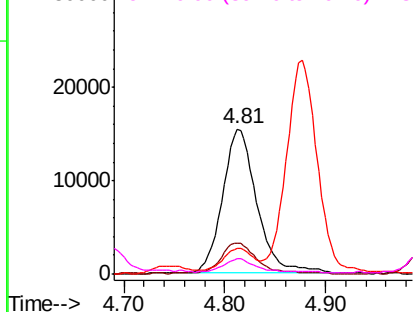


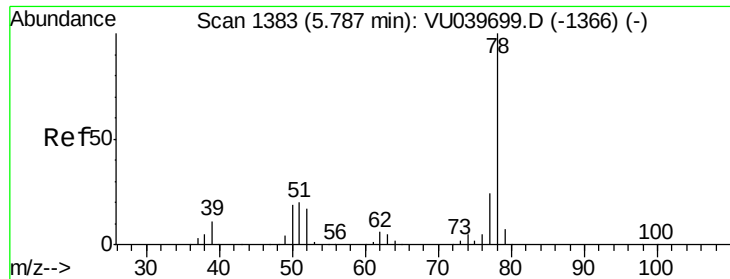
#34
Propionitrile
Concen: 45.557 ug/l
RT: 4.81 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VU039842.D
Acq: 12 Aug 2020 13:31

Tgt Ion: 54 Resp: 36205
Ion Ratio Lower Upper
54 100
52 20.8 16.9 25.3
55 15.8 12.9 19.3
40 8.1 6.2 9.2



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: 9.313 ug/l

RT: 5.78 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VU039842.D

Acq: 12 Aug 2020 13:31

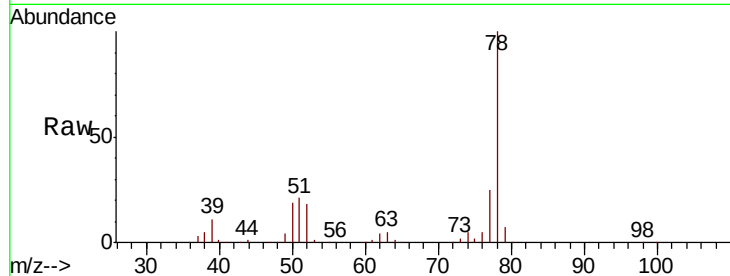
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 78 Resp: 243284

Ion Ratio Lower Upper

78 100

77 24.6 19.2 28.8



Abundance Ion 78.10 (77.80 to 78.80): VU039699.D (-1366) (-)

Ion 77.00 (76.70 to 77.70): VU039699.D (-1366) (-)

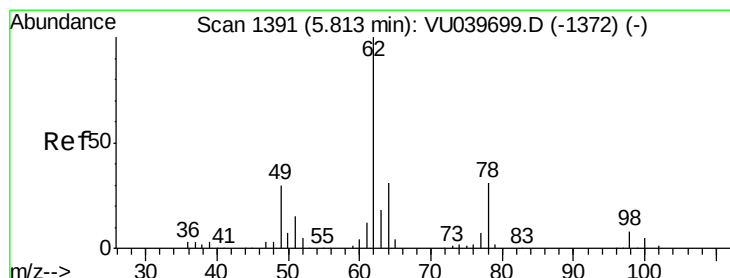
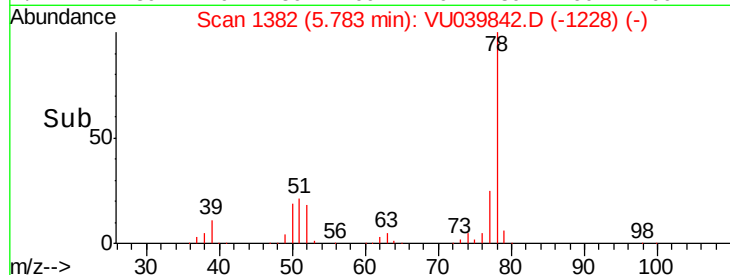
5.78

100000

50000

0

Time-->



#36

1,2-Dichloroethane

Concen: 9.080 ug/l

RT: 5.81 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VU039842.D

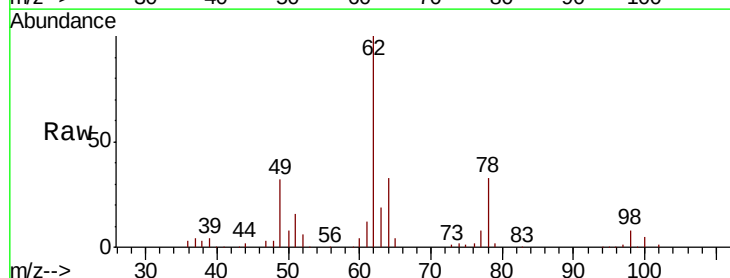
Acq: 12 Aug 2020 13:31

Tgt Ion: 62 Resp: 88913

Ion Ratio Lower Upper

62 100

98 7.8 6.2 9.2



Abundance Ion 62.00 (61.70 to 62.70): VU039699.D (-1372) (-)

Ion 98.00 (97.70 to 98.70): VU039699.D (-1372) (-)

5.81

50000

40000

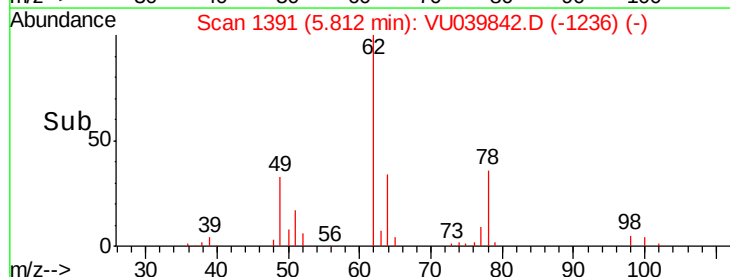
30000

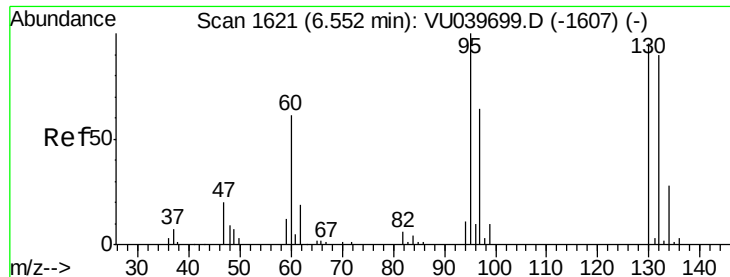
20000

10000

0

Time-->





#37

Trichloroethene

Concen: 9.030 ug/l

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU039842.D

Acq: 12 Aug 2020 13:31

Instrument :

MSVOA_U

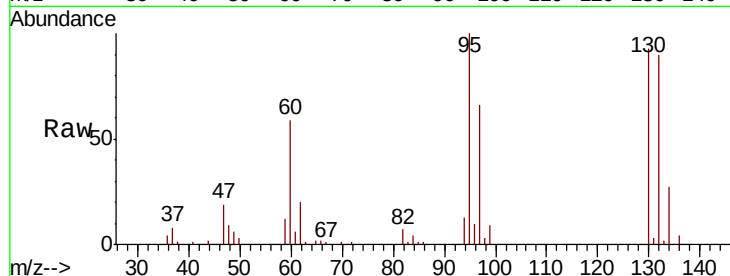
ClientSampleId :

Tot Ion:130 Resp: 53966

Ion Ratio Lower Upper

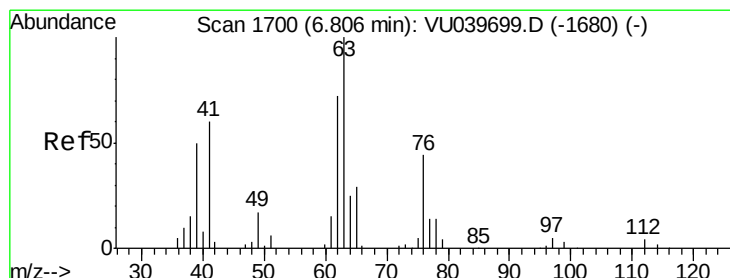
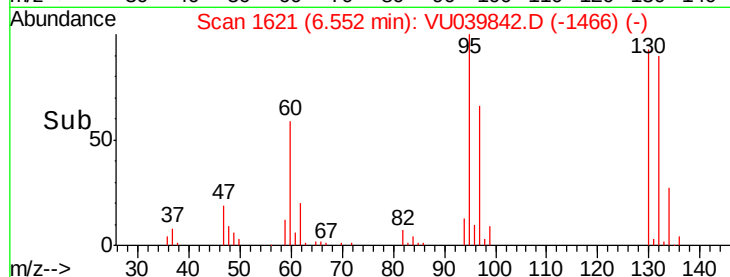
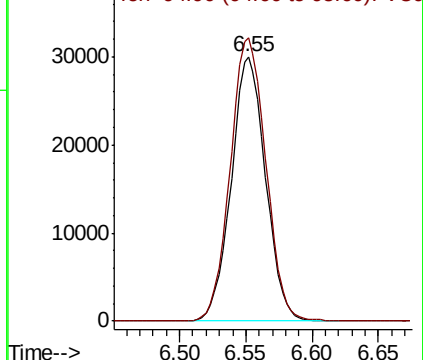
130 100

95 107.0 84.3 126.5



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VU0



#38

1,2-Dichloropropane

Concen: 9.950 ug/l

RT: 6.81 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VU039842.D

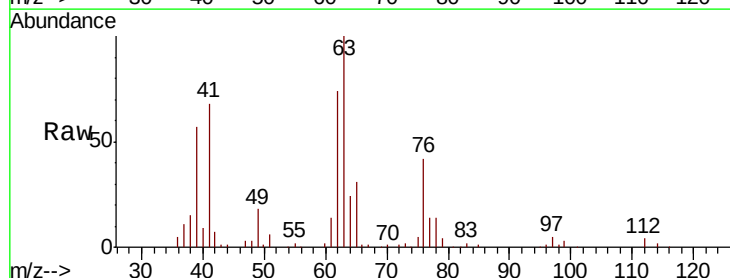
Acq: 12 Aug 2020 13:31

Tgt Ion: 63 Resp: 71637

Ion Ratio Lower Upper

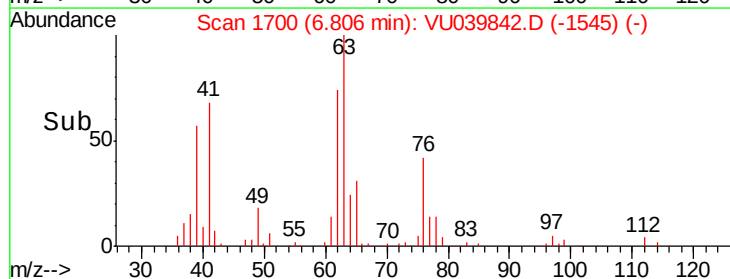
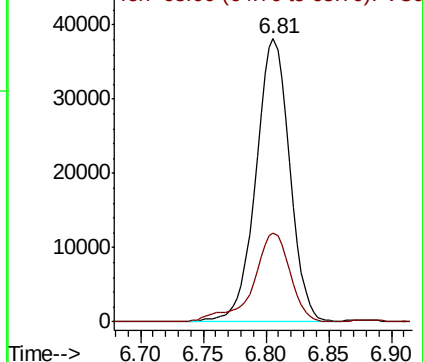
63 100

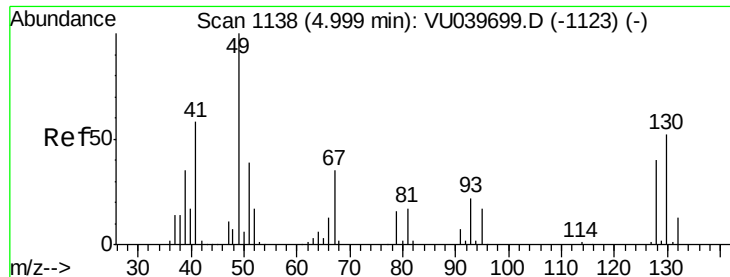
65 31.5 23.8 35.6



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 65.00 (64.70 to 65.70): VU0

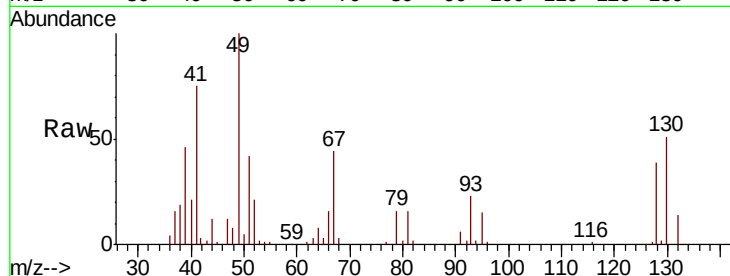




#39
Methacrylonitrile
Concen: 8.660 ug/l
RT: 5.01 min Scan# 1140
Delta R.T. 0.01 min
Lab File: VU039842.D
Acq: 12 Aug 2020 13:31

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	41	Resp:	36270
Ion	Ratio	Lower	Upper
41	100		
67	59.2	48.3	72.5
39	57.7	47.6	71.4
52	28.9	23.9	35.9



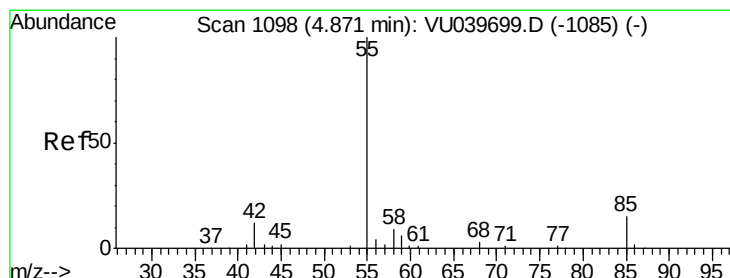
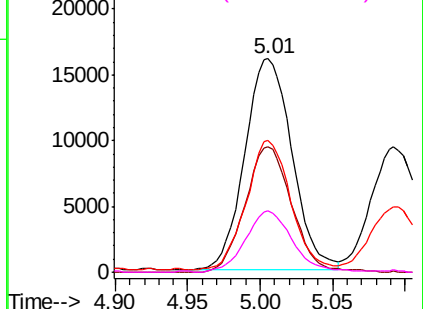
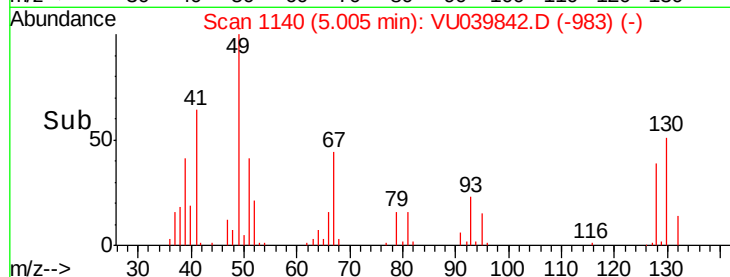
Abundance

Ion 41.00 (40.70 to 41.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

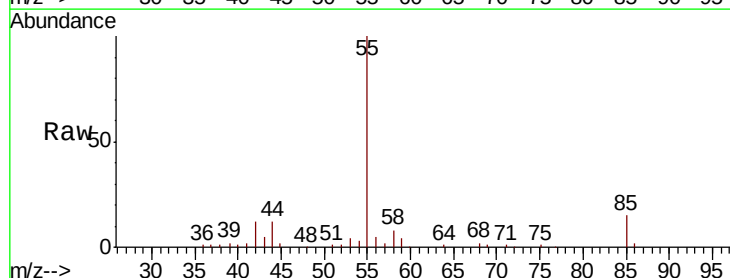
Ion 39.00 (38.70 to 39.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#40
Methyl acrylate
Concen: 8.915 ug/l
RT: 4.88 min Scan# 1100
Delta R.T. 0.01 min
Lab File: VU039842.D
Acq: 12 Aug 2020 13:31

Tgt Ion:	55	Resp:	48145
Ion	Ratio	Lower	Upper
55	100		
85	14.5	11.4	17.0
58	8.9	7.4	11.0
42	13.5	10.3	15.5



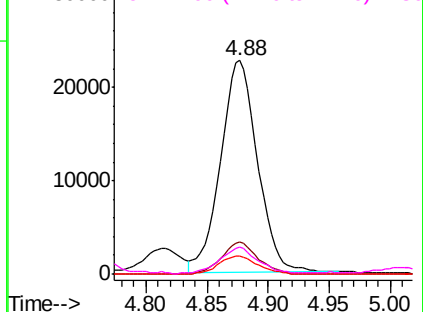
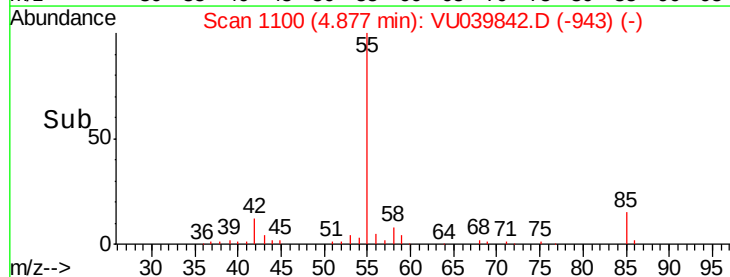
Abundance

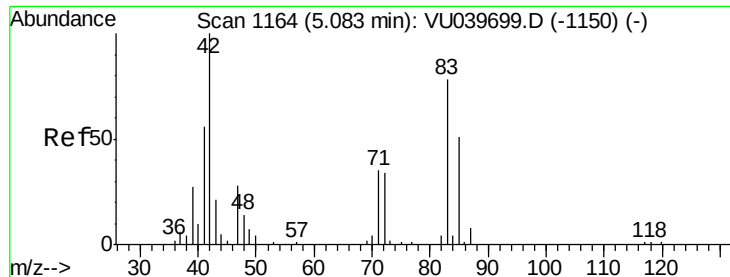
Ion 55.00 (54.70 to 55.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 42.00 (41.70 to 42.70): VU0





#41

Tetrahydrofuran

Concen: 17.024 ug/l

RT: 5.09 min Scan# 1167

Delta R.T. 0.01 min

Lab File: VU039842.D

Acq: 12 Aug 2020 13:31

Instrument :
MSVOA_U
ClientSampleId :

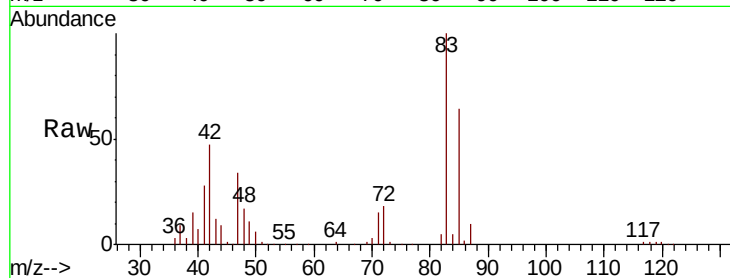
Tot Ion: 42 Resp: 35872

Ion Ratio Lower Upper

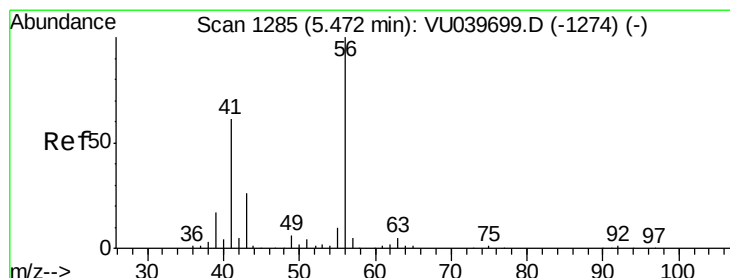
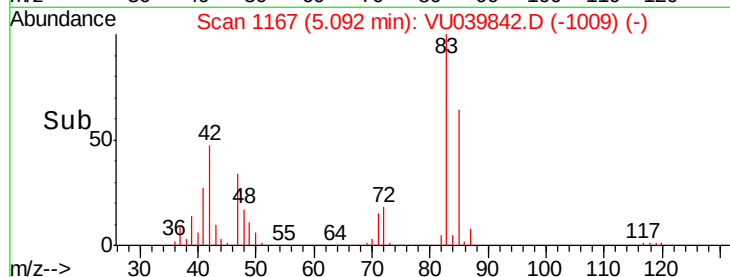
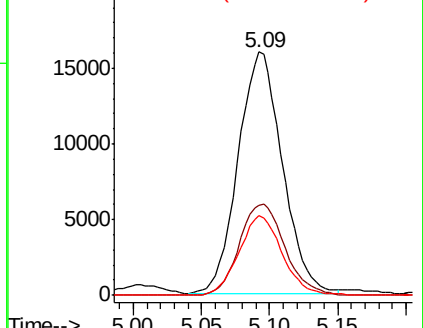
42 100

72 38.8 31.0 46.6

71 32.1 28.2 42.4



Abundance Ion 42.00 (41.70 to 42.70): VU0
Ion 72.00 (71.70 to 72.70): VU0
Ion 71.00 (70.70 to 71.70): VU0



#42

1-Chlorobutane

Concen: 9.625 ug/l

RT: 5.47 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VU039842.D

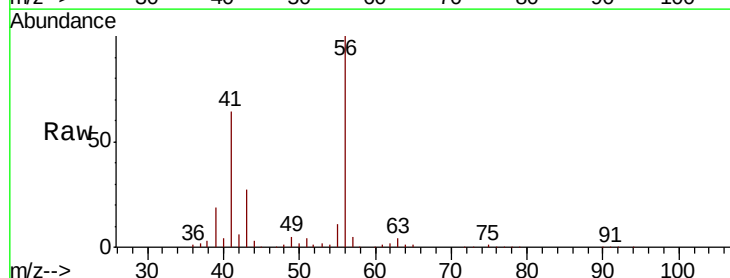
Acq: 12 Aug 2020 13:31

Tgt Ion: 56 Resp: 159521

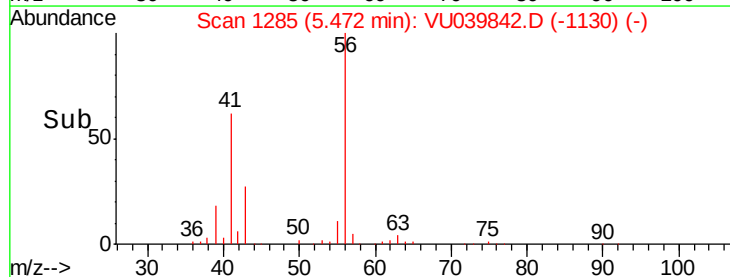
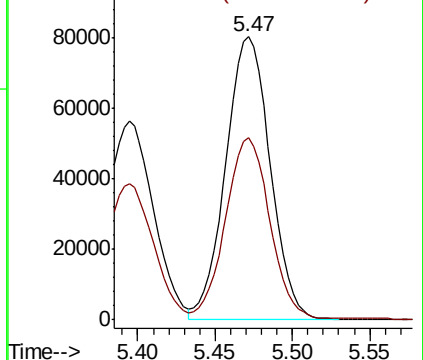
Ion Ratio Lower Upper

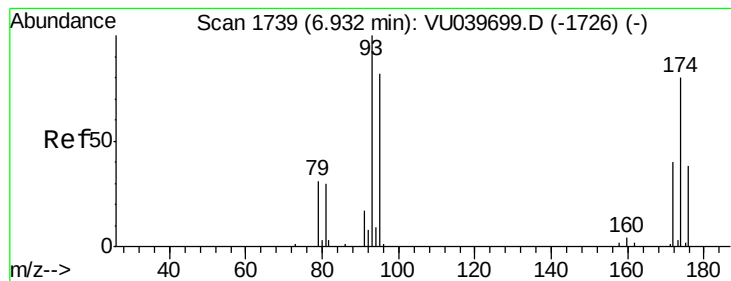
56 100

41 63.3 30.5 91.5



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 41.00 (40.70 to 41.70): VU0





#43

Dibromomethane

Concen: 8.853 ug/l

RT: 6.93 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VU039842.D

Acq: 12 Aug 2020 13:31

Instrument :

MSVOA_U

ClientSampled :

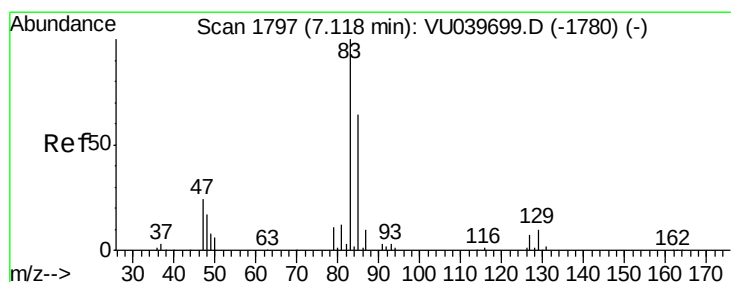
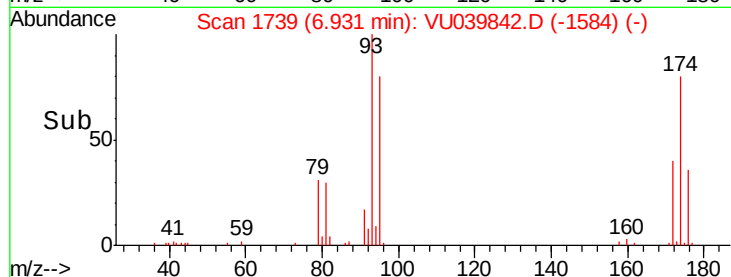
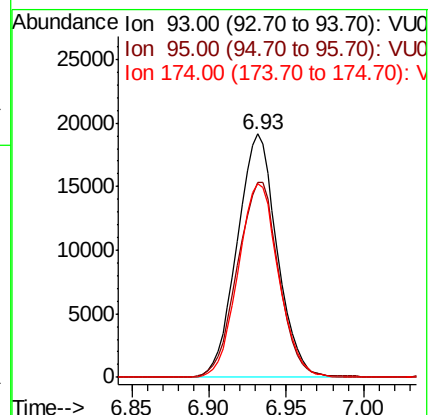
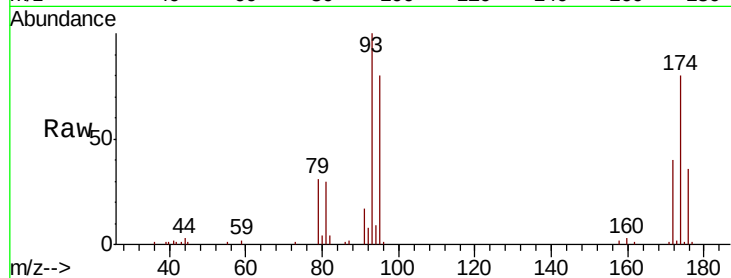
Tot Ion: 93 Resp: 34300

Ion Ratio Lower Upper

93 100

95 83.6 66.6 99.8

174 80.3 62.7 94.1



#44

Bromodichloromethane

Concen: 10.128 ug/l

RT: 7.12 min Scan# 1797

Delta R.T. -0.00 min

Lab File: VU039842.D

Acq: 12 Aug 2020 13:31

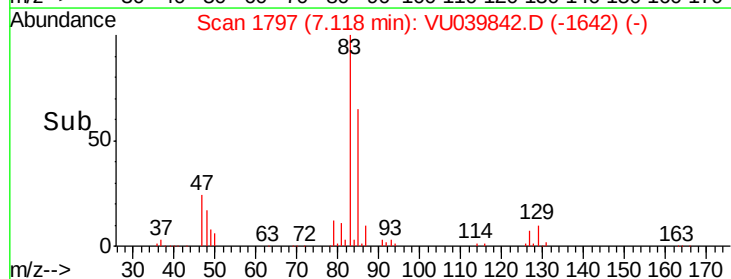
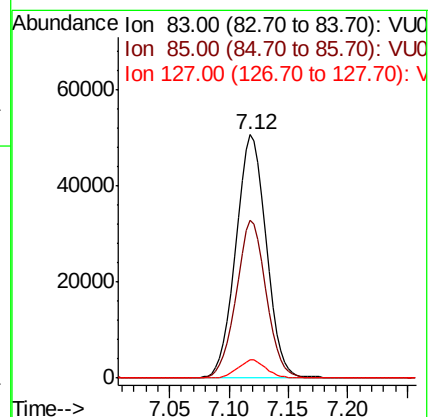
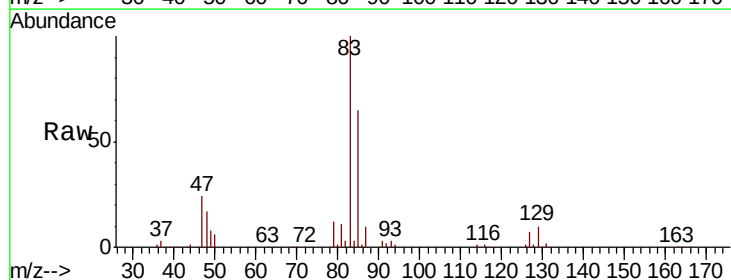
Tgt Ion: 83 Resp: 89962

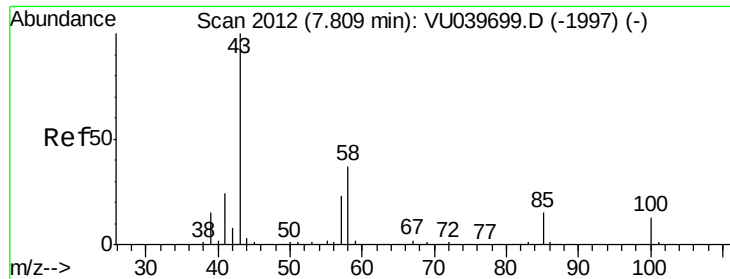
Ion Ratio Lower Upper

83 100

85 65.0 50.8 76.2

127 7.5 5.8 8.6





#45

4-Methyl-2-Pentanone

Concen: 47.584 ug/l

RT: 7.81 min Scan# 2013

Delta R.T. 0.00 min

Lab File: VU039842.D

Acq: 12 Aug 2020 13:31

Instrument :

MSVOA_U

ClientSampleId :

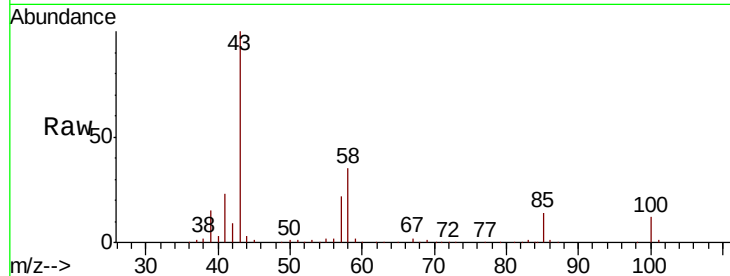
Tot Ion: 43 Resp: 279260

Ion Ratio Lower Upper

43 100

58 35.2 18.4 55.0

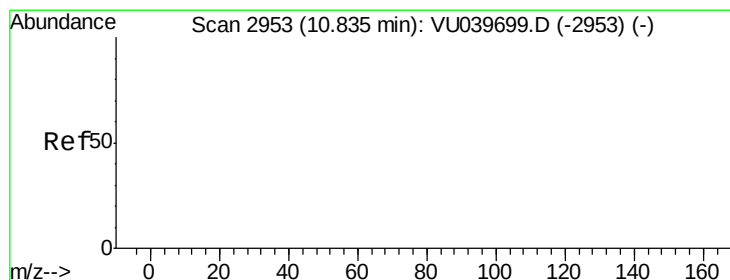
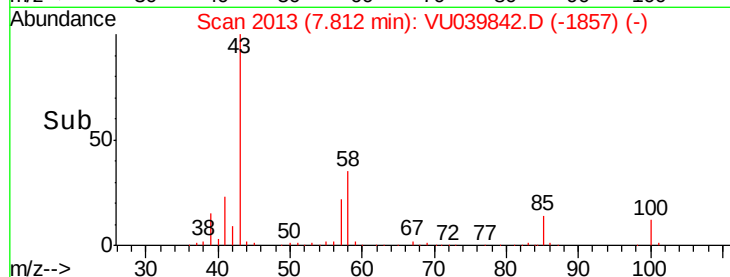
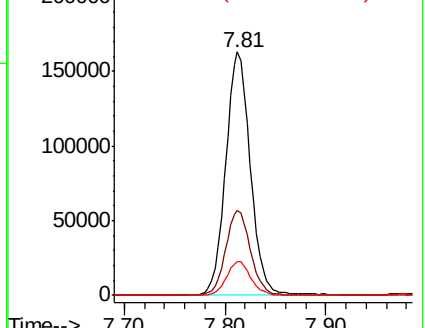
85 13.8 11.8 17.6



Abundance Ion 43.00 (42.70 to 43.70): VU039699.D (-1997) (-)

Ion 58.00 (57.70 to 58.70): VU039699.D (-1997) (-)

Ion 85.00 (84.70 to 85.70): VU039699.D (-1997) (-)



#46

t-1,4-Dichloro-2-butene

Concen: 45.883 ug/l

RT: 10.83 min Scan# 2950

Delta R.T. -0.01 min

Lab File: VU039842.D

Acq: 12 Aug 2020 13:31

Tgt Ion: 75 Resp: 80092

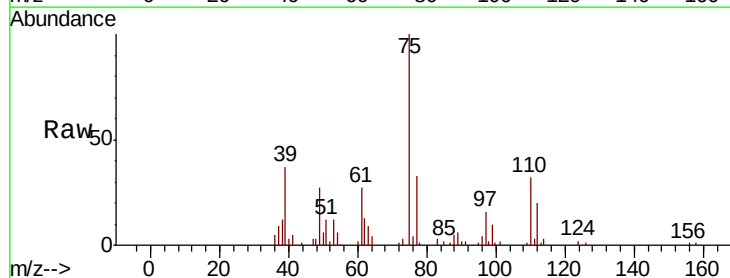
Ion Ratio Lower Upper

75 100

53 41.8 78.6 118.0#

89 20.9 40.3 60.5#

88 18.2 34.0 51.0#

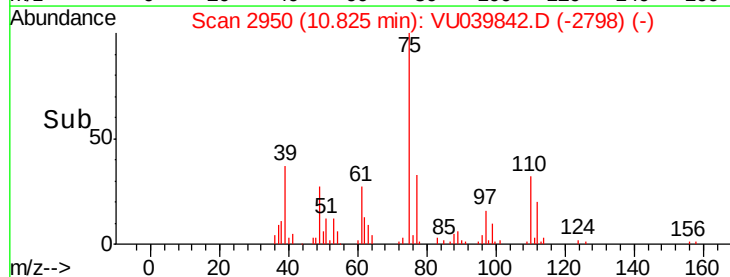
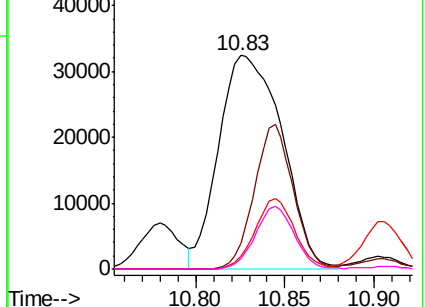


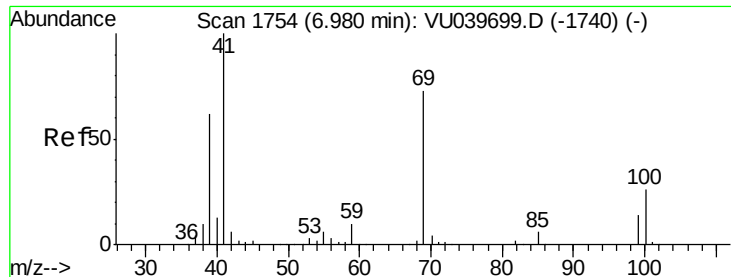
Abundance Ion 74.90 (74.60 to 75.60): VU039699.D (-2953) (-)

Ion 53.00 (52.70 to 53.70): VU039699.D (-2953) (-)

Ion 88.80 (88.50 to 89.50): VU039699.D (-2953) (-)

Ion 87.80 (87.50 to 88.50): VU039699.D (-2953) (-)





#47

Methvl methacrylate

Concen: 19.163 ug/l

RT: 6.98 min Scan# 1755

Delta R.T. 0.00 min

Lab File: VU039842.D

Acq: 12 Aug 2020 13:31

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 69 Resp: 69245

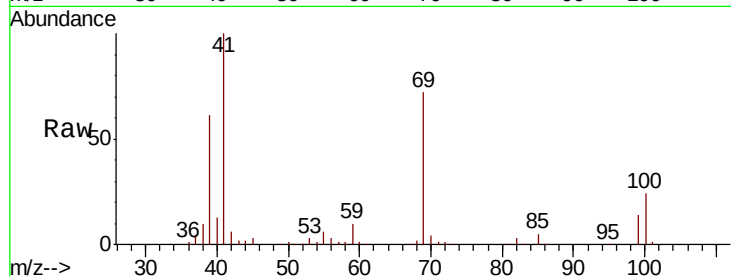
Ion Ratio Lower Upper

69 100

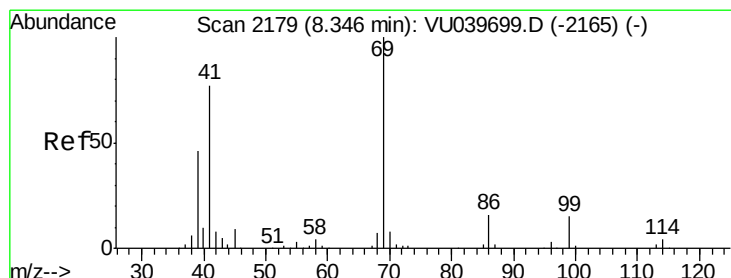
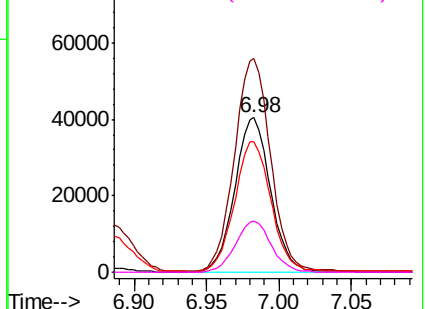
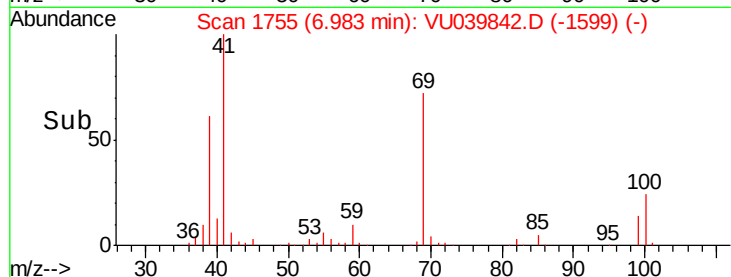
41 139.4 0.0 271.6

39 86.1 67.4 101.2

100 33.1 28.3 42.5



Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 100.00 (99.70 to 100.70): VU0



#48

Ethyl methacrylate

Concen: 9.239 ug/l

RT: 8.35 min Scan# 2179

Delta R.T. -0.00 min

Lab File: VU039842.D

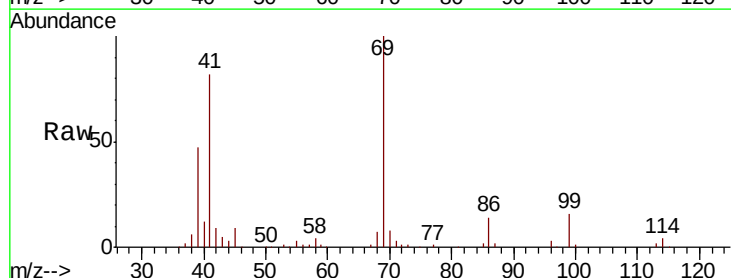
Acq: 12 Aug 2020 13:31

Tgt Ion: 69 Resp: 61450

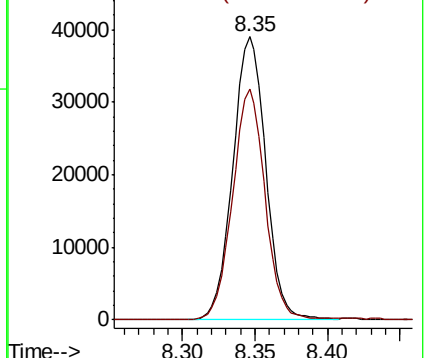
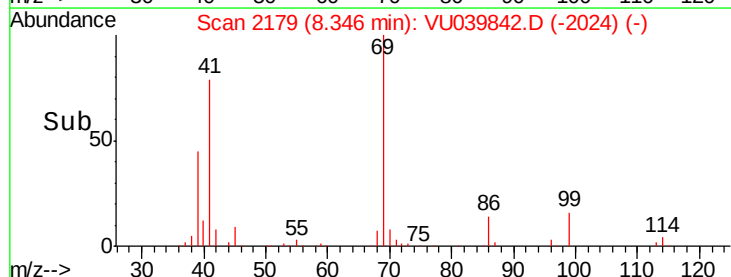
Ion Ratio Lower Upper

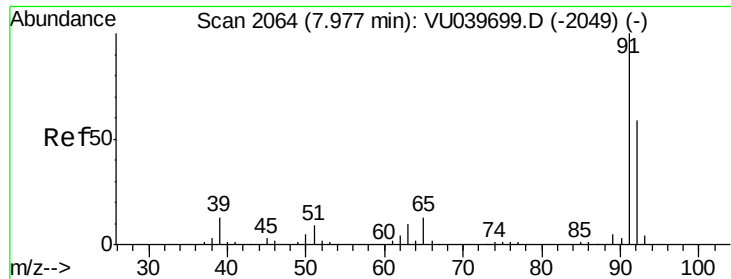
69 100

41 80.4 39.1 117.5



Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0





#49

Toluene

Concen: 9.502 ug/l

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU039842.D

Acq: 12 Aug 2020 13:31

Instrument :

MSVOA_U

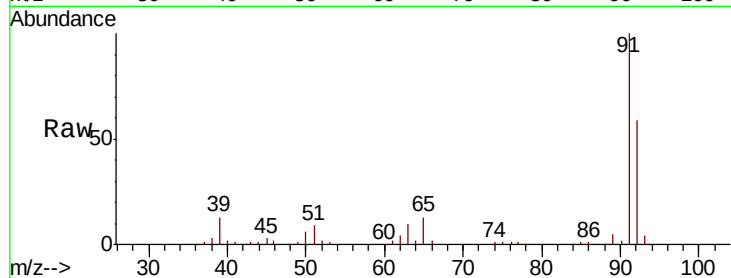
ClientSampleId :

Tot Ion: 92 Resp: 147736

Ion Ratio Lower Upper

92 100

91 168.5 136.1 204.1



Abundance Ion 92.00 (91.70 to 92.70): VU039699.D (-2049) (-)

Ion 91.00 (90.70 to 91.70): VU039699.D (-2049) (-)

150000

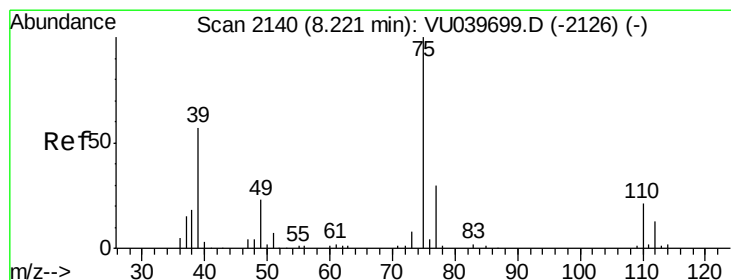
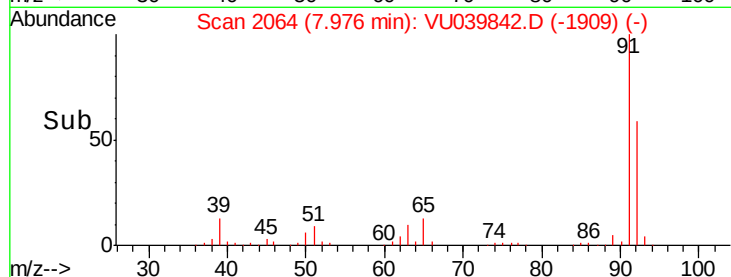
100000

50000

0

7.90 7.95 8.00 8.05

Time-->



#50

t-1,3-Dichloropropene

Concen: 9.939 ug/l

RT: 8.22 min Scan# 2140

Delta R.T. -0.00 min

Lab File: VU039842.D

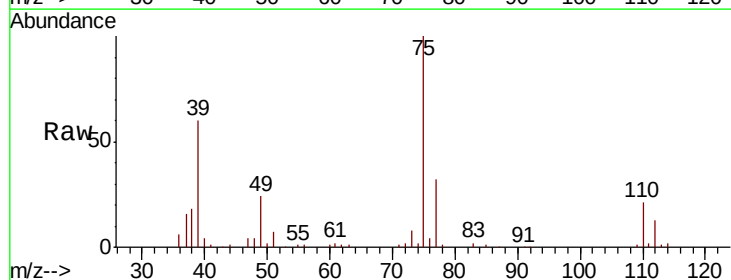
Acq: 12 Aug 2020 13:31

Tgt Ion: 75 Resp: 79514

Ion Ratio Lower Upper

75 100

77 32.0 24.3 36.5



Abundance Ion 75.00 (74.70 to 75.70): VU039699.D (-2126) (-)

Ion 77.00 (76.70 to 77.70): VU039699.D (-2126) (-)

50000

40000

30000

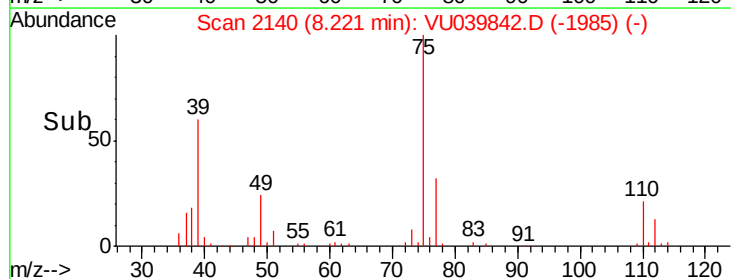
20000

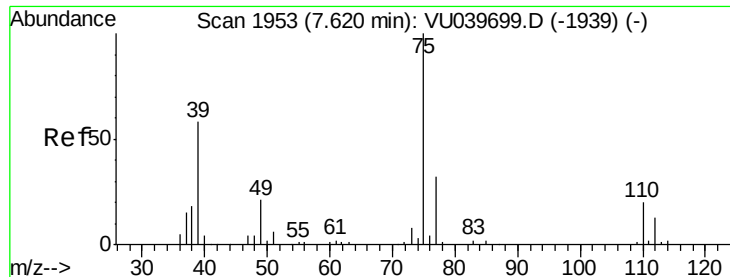
10000

0

8.15 8.20 8.25 8.30 8.35

Time-->



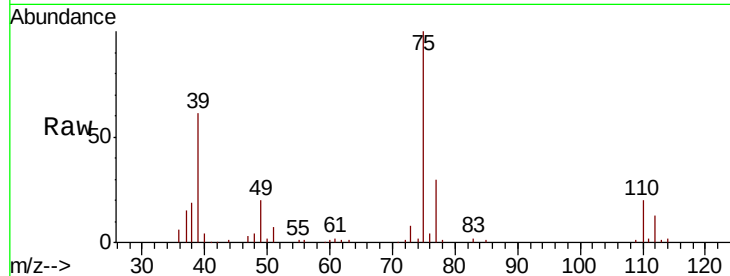


#51

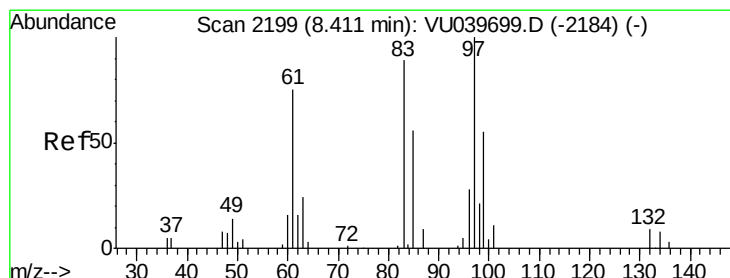
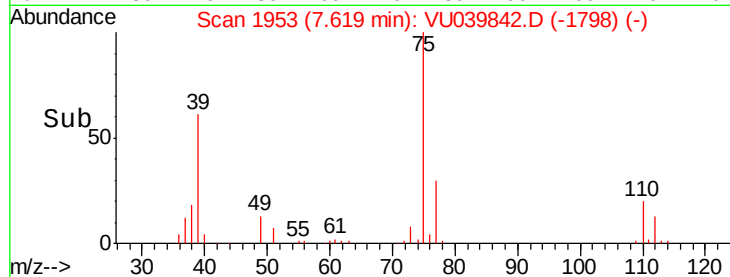
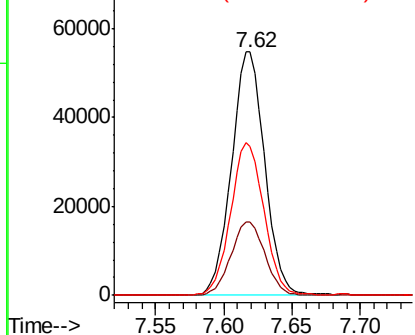
cis-1,3-Dichloropropene
Concen: 9.852 ug/l
RT: 7.62 min Scan# 1953
Delta R.T. -0.00 min
Lab File: VU039842.D
Acq: 12 Aug 2020 13:31

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.0	25.7	38.5
39	61.2	46.1	69.1



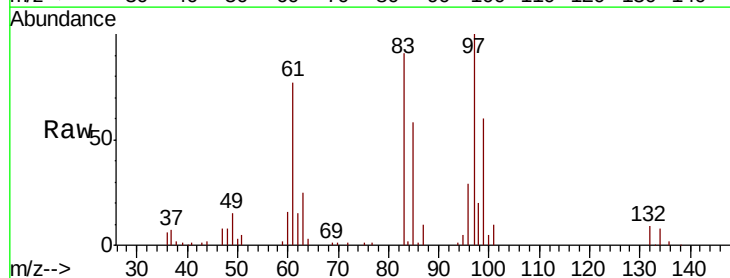
Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0
Ion 39.00 (38.70 to 39.70): VU0



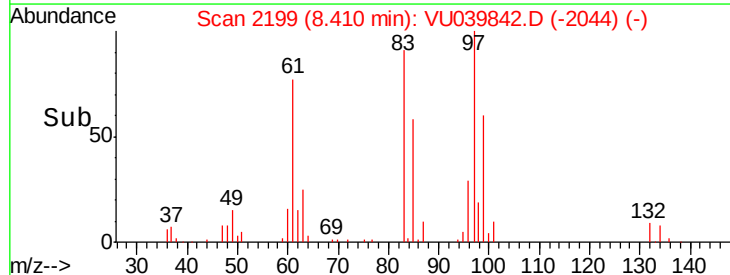
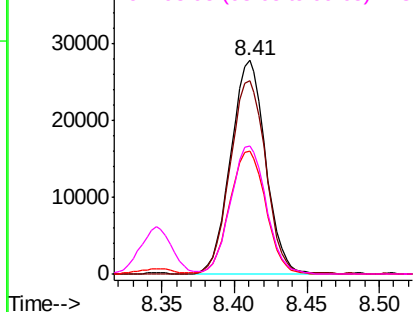
#52

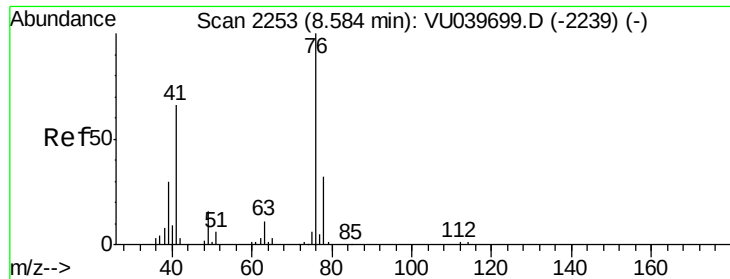
1,1,2-Trichloroethane
Concen: 9.240 ug/l
RT: 8.41 min Scan# 2199
Delta R.T. -0.00 min
Lab File: VU039842.D
Acq: 12 Aug 2020 13:31

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.6	71.3	106.9
85	57.8	45.4	68.2
99	60.2	49.4	74.0



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 84.95 (84.65 to 85.65): VU0
Ion 98.95 (98.65 to 99.65): VU0





#53

1,3-Dichloropropane

Concen: 9.081 ug/l

RT: 8.58 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VU039842.D

Acq: 12 Aug 2020 13:31

Instrument :

MSVOA_U

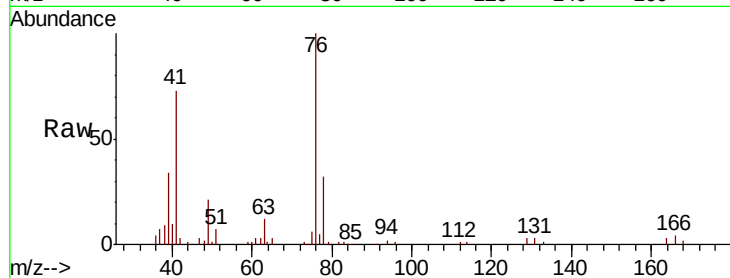
ClientSampled :

Tot Ion: 76 Resp: 87767

Ion Ratio Lower Upper

76 100

78 32.1 25.4 38.2



Abundance Ion 76.00 (75.70 to 76.70): VU039699.D (-2239) (-)

Ion 78.00 (77.70 to 78.70): VU039699.D (-2239) (-)

60000

50000

40000

30000

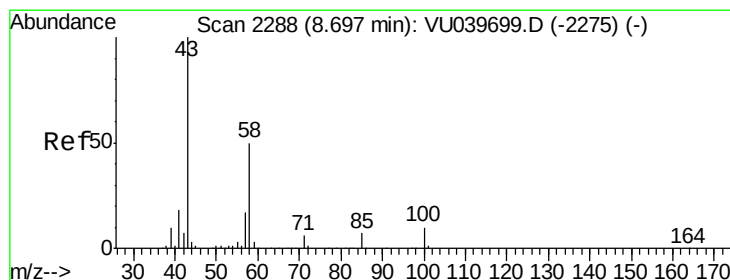
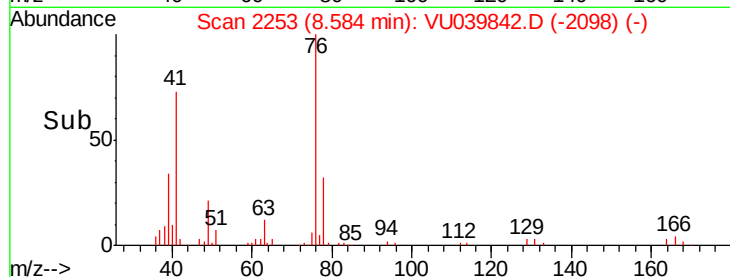
20000

10000

0

8.50 8.55 8.60 8.65

Time-->



#54

2-Hexanone

Concen: 46.024 ug/l

RT: 8.70 min Scan# 2289

Delta R.T. 0.00 min

Lab File: VU039842.D

Acq: 12 Aug 2020 13:31

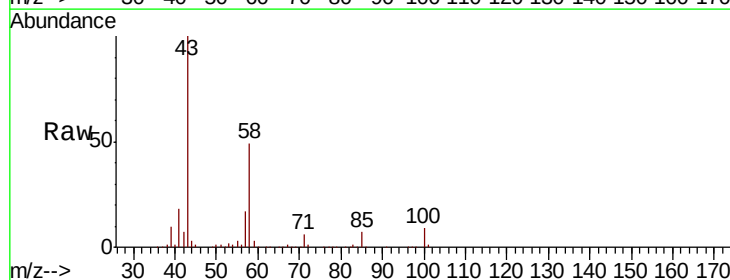
Tgt Ion: 43 Resp: 193392

Ion Ratio Lower Upper

43 100

58 48.3 29.9 69.9

57 16.8 0.0 37.2



Abundance Ion 43.00 (42.70 to 43.70): VU039699.D (-2275) (-)

Ion 58.00 (57.70 to 58.70): VU039699.D (-2275) (-)

Ion 57.00 (56.70 to 57.70): VU039699.D (-2275) (-)

150000

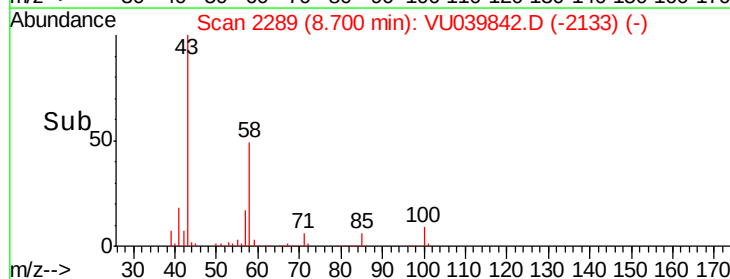
100000

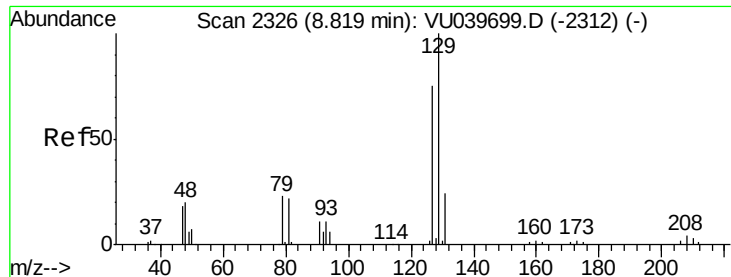
50000

0

8.60 8.65 8.70 8.75 8.80

Time-->

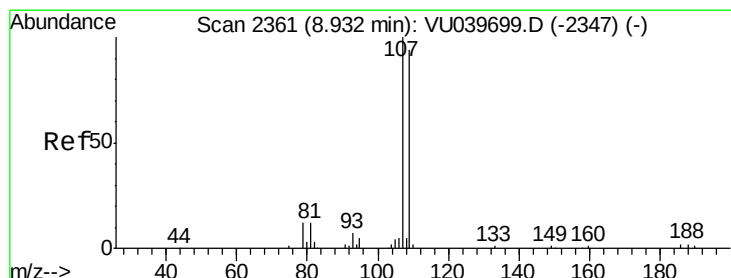
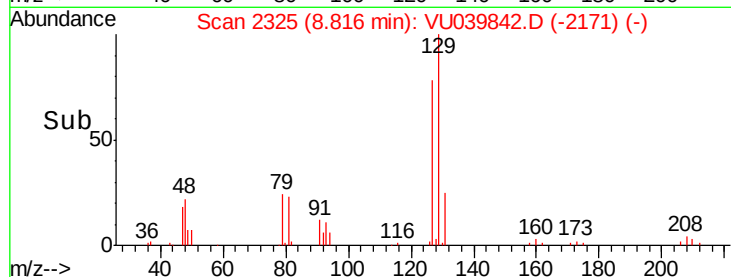
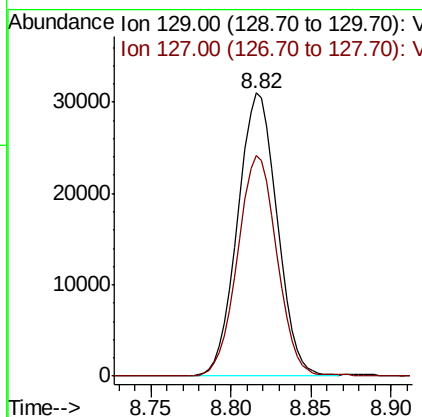
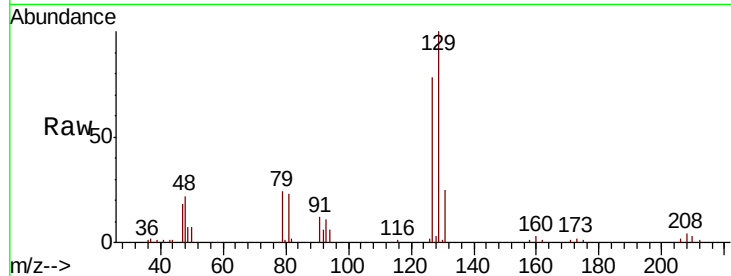




#55
 Dibromochloromethane
 Concen: 9.675 ug/l
 RT: 8.82 min Scan# 2325
 Delta R.T. -0.00 min
 Lab File: VU039842.D
 Acq: 12 Aug 2020 13:31

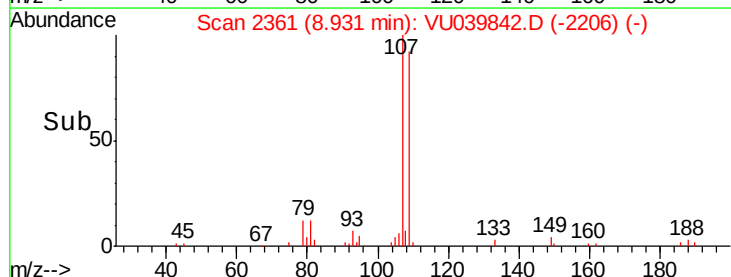
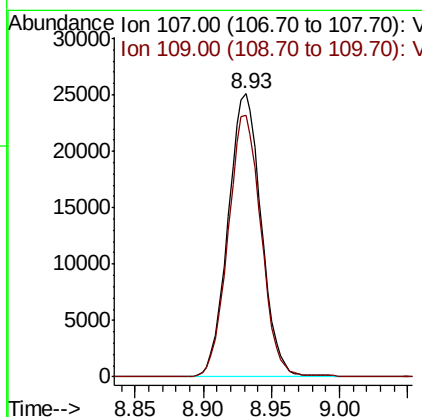
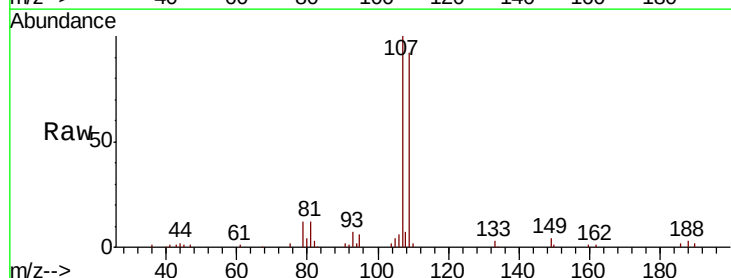
Instrument :
 MSVOA_U
 ClientSampleId :

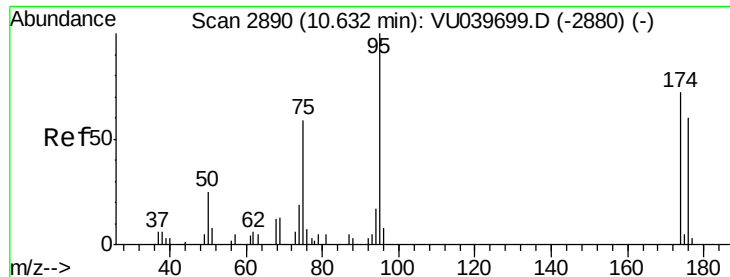
Tot Ion:129 Resp: 52297
 Ion Ratio Lower Upper
 129 100
 127 77.2 62.4 93.6



#56
 1,2-Dibromoethane
 Concen: 8.740 ug/l
 RT: 8.93 min Scan# 2361
 Delta R.T. -0.00 min
 Lab File: VU039842.D
 Acq: 12 Aug 2020 13:31

Tgt Ion:107 Resp: 42392
 Ion Ratio Lower Upper
 107 100
 109 92.1 0.0 185.2

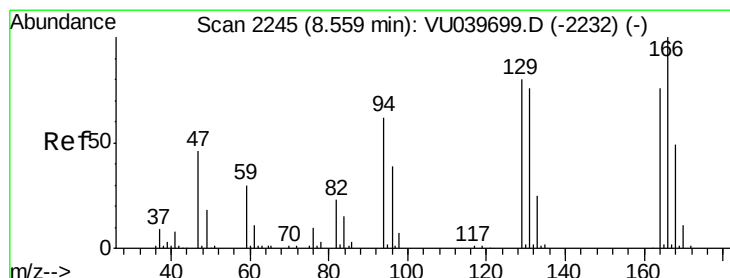
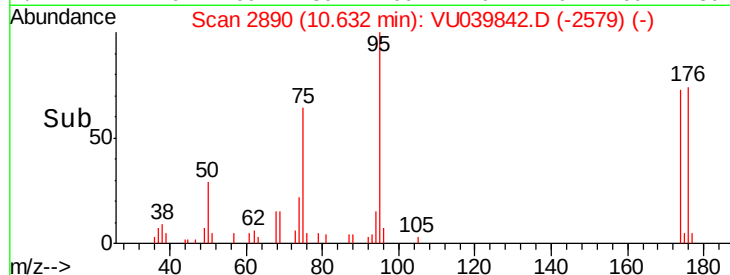
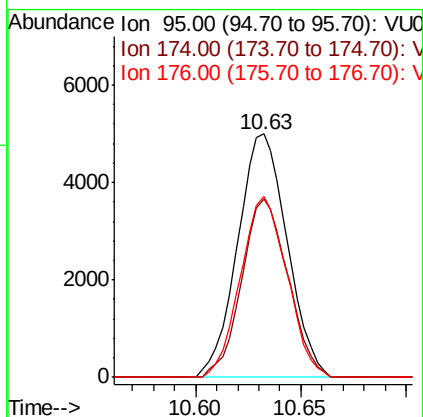
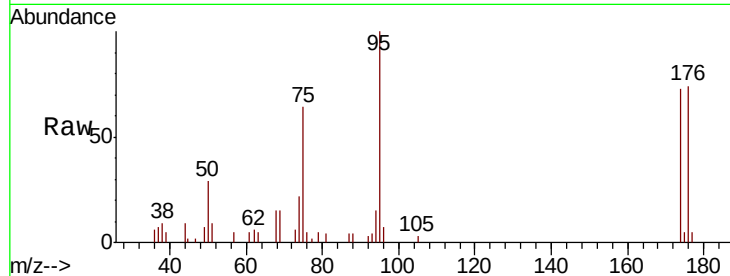




#57
4-Bromofluorobenzene
Concen: 0.997 ug/l
RT: 10.63 min Scan# 2890
Delta R.T. -0.00 min
Lab File: VU039842.D
Acq: 12 Aug 2020 13:31

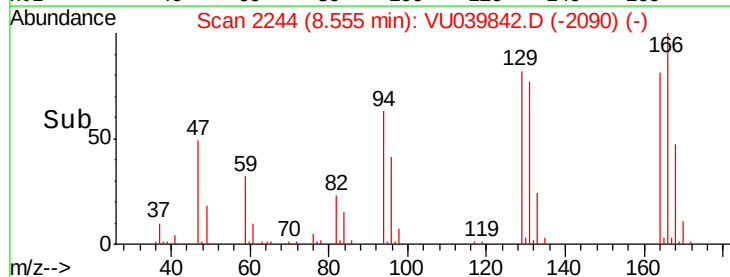
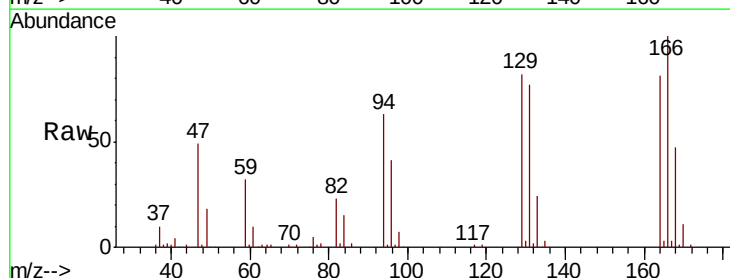
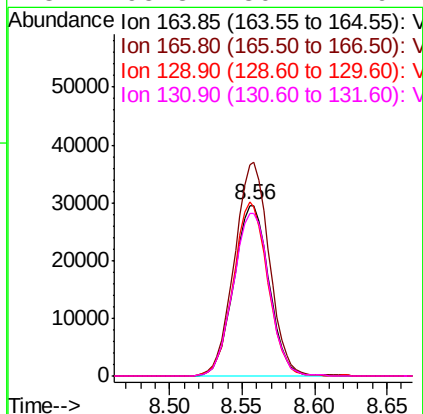
Instrument :
MSVOA_U
ClientSampleId :

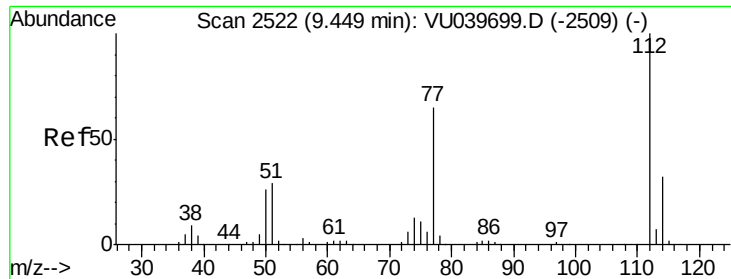
Tot Ion: 95 Resp: 8136
Ion Ratio Lower Upper
95 100
174 68.6 57.0 85.4
176 69.9 50.2 75.2



#58
Tetrachloroethene
Concen: 9.538 ug/l
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU039842.D
Acq: 12 Aug 2020 13:31

Tgt Ion: 164 Resp: 49902
Ion Ratio Lower Upper
164 100
166 123.9 104.8 157.2
129 102.1 84.1 126.1
131 95.3 80.1 120.1





#59

Chlorobenzene

Concen: 9.399 ug/l

RT: 9.45 min Scan# 2522

Delta R.T. -0.00 min

Lab File: VU039842.D

Acq: 12 Aug 2020 13:31

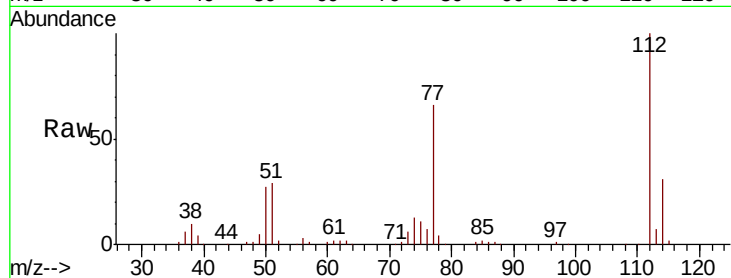
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:112 Resp: 151126

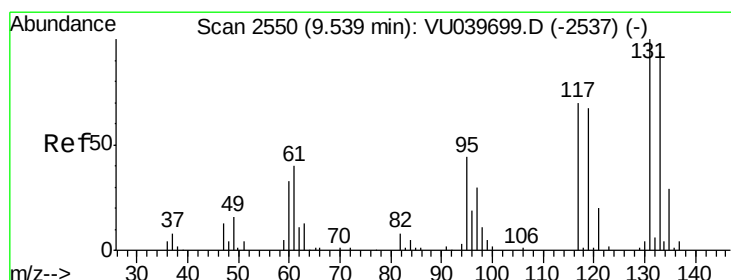
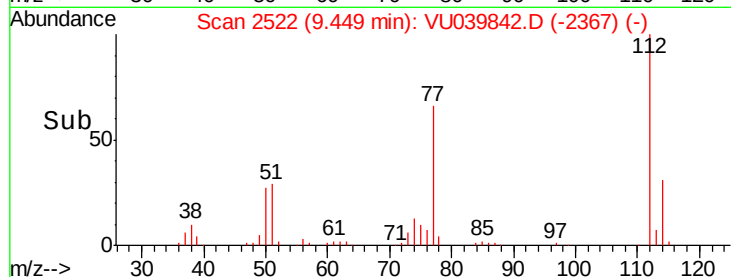
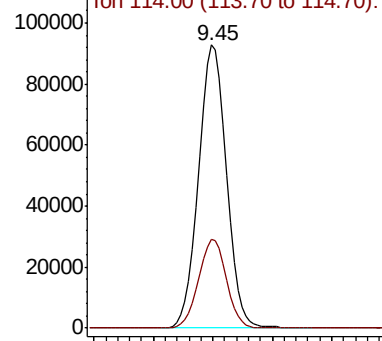
Ion Ratio Lower Upper

112 100

114 31.3 25.8 38.6



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V



#60

1,1,1,2-Tetrachloroethane

Concen: 9.974 ug/l

RT: 9.54 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VU039842.D

Acq: 12 Aug 2020 13:31

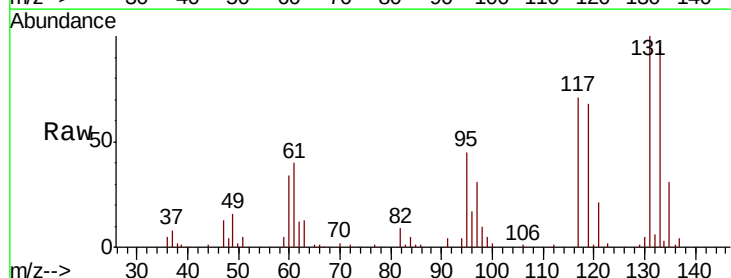
Tgt Ion:131 Resp: 54071

Ion Ratio Lower Upper

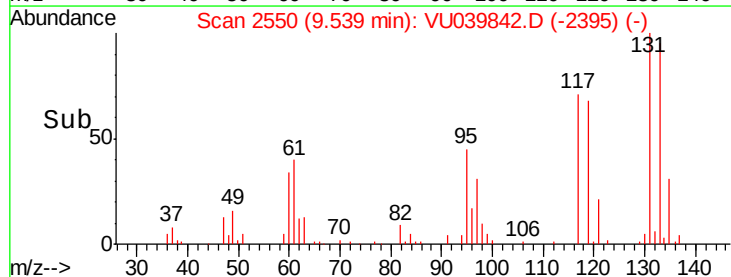
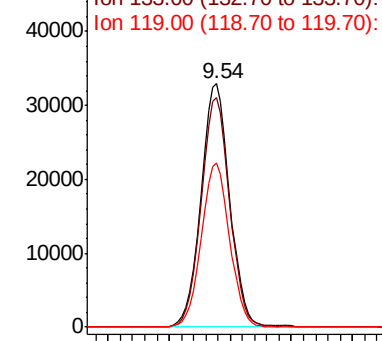
131 100

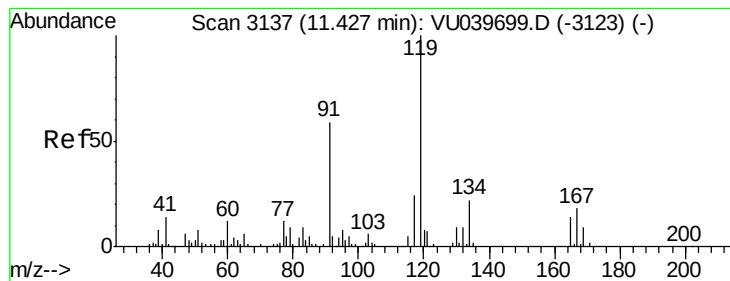
133 93.5 75.8 113.8

119 66.4 54.6 81.8



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V





#61

Pentachloroethane

Concen: 9.058 ug/l

RT: 11.43 min Scan# 3137

Delta R.T. -0.00 min

Lab File: VU039842.D

Acq: 12 Aug 2020 13:31

Instrument :

MSVOA_U

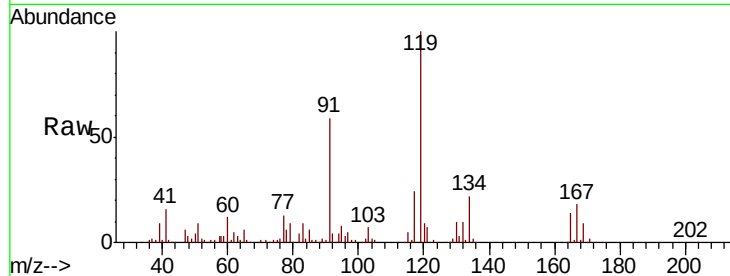
ClientSampleId :

Tot Ion:117 Resp: 43143

Ion Ratio Lower Upper

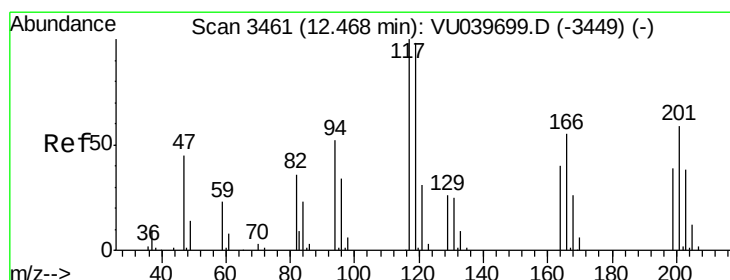
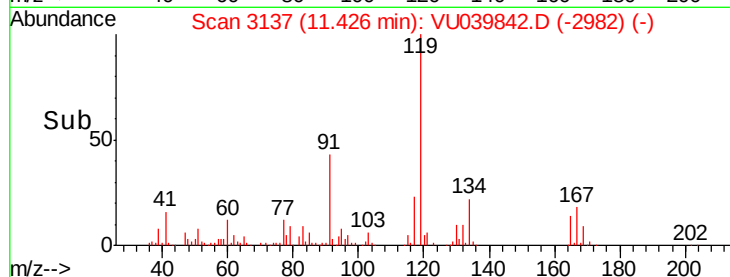
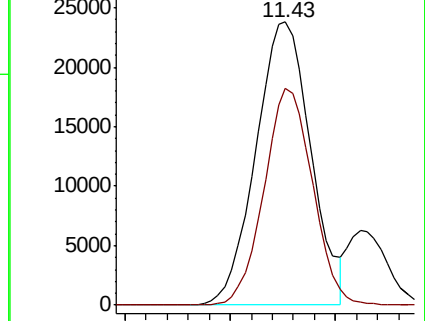
117 100

167 67.7 56.6 85.0



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 10.280 ug/l

RT: 12.47 min Scan# 3461

Delta R.T. -0.00 min

Lab File: VU039842.D

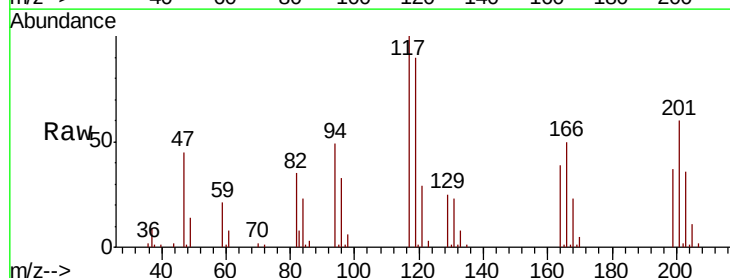
Acq: 12 Aug 2020 13:31

Tgt Ion:117 Resp: 44880

Ion Ratio Lower Upper

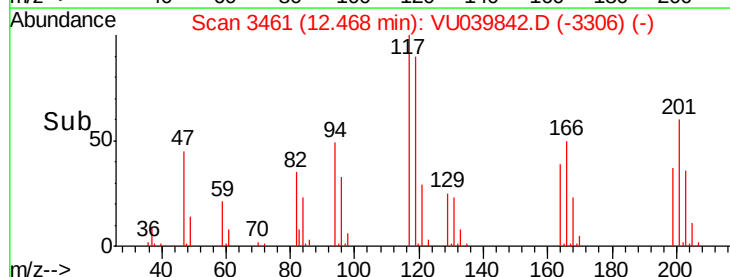
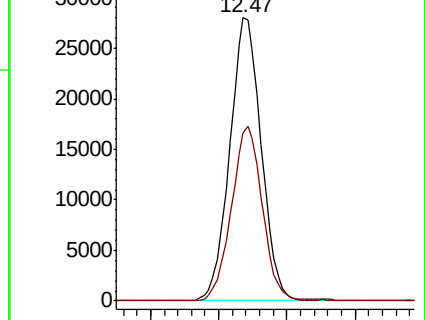
117 100

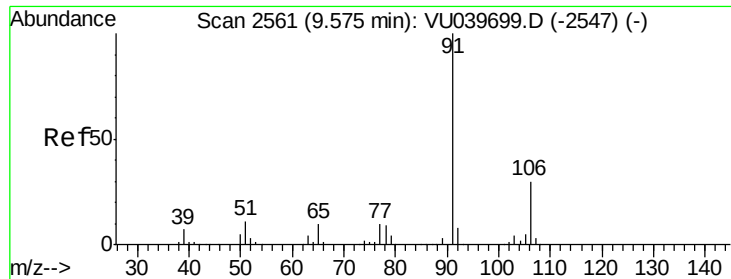
201 60.1 48.1 72.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V

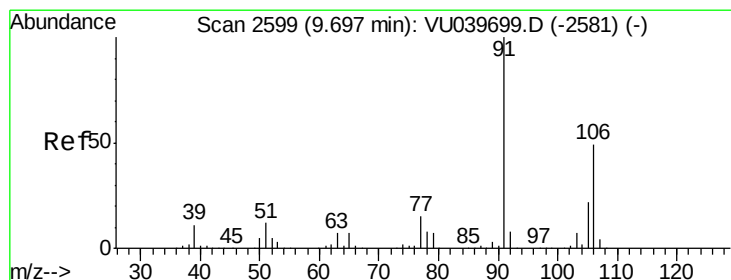
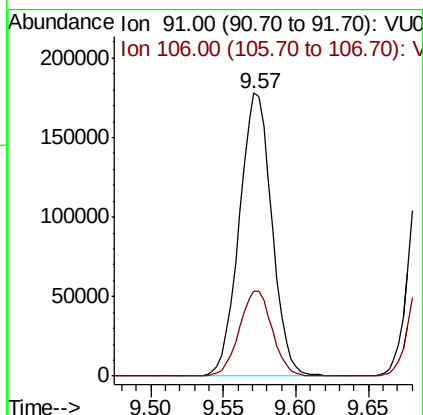
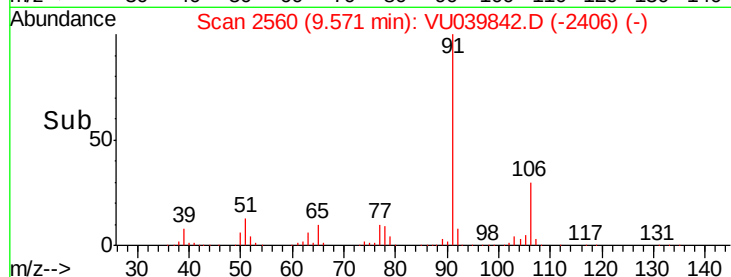
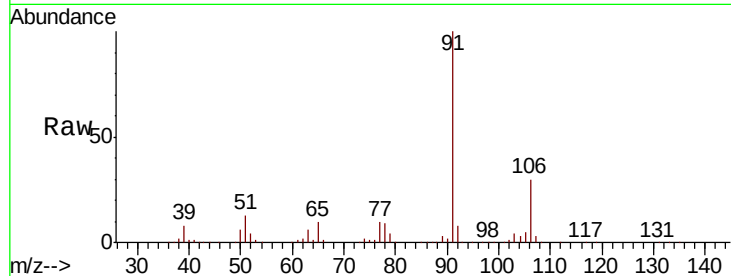




#63
Ethyl Benzene
Concen: 9.646 ug/l
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU039842.D
Acq: 12 Aug 2020 13:31

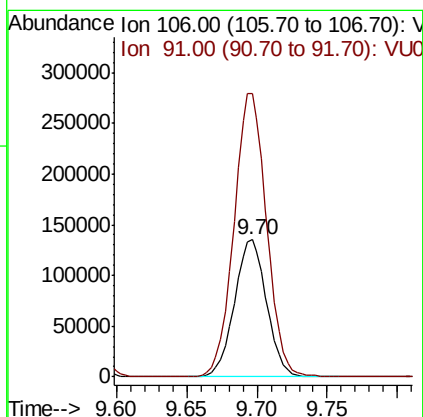
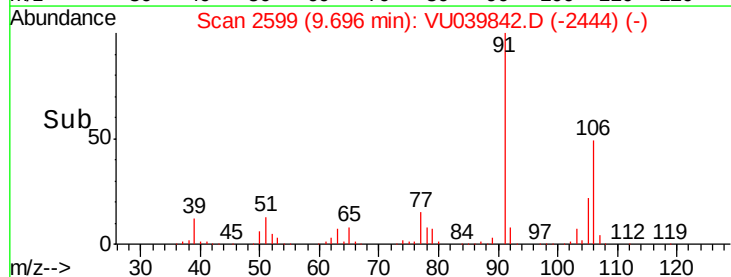
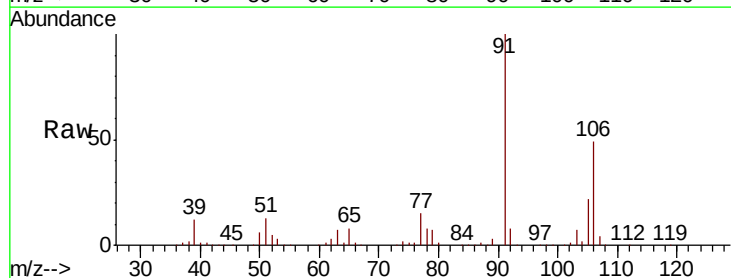
Instrument :
MSVOA_U
ClientSampleId :

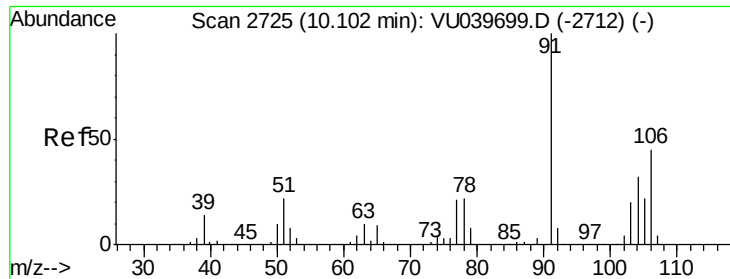
Tot Ion: 91 Resp: 277945
Ion Ratio Lower Upper
91 100
106 30.1 24.2 36.4



#64
m/p-Xylenes
Concen: 19.268 ug/l
RT: 9.70 min Scan# 2599
Delta R.T. -0.00 min
Lab File: VU039842.D
Acq: 12 Aug 2020 13:31

Tgt Ion:106 Resp: 216919
Ion Ratio Lower Upper
106 100
91 207.1 163.9 245.9

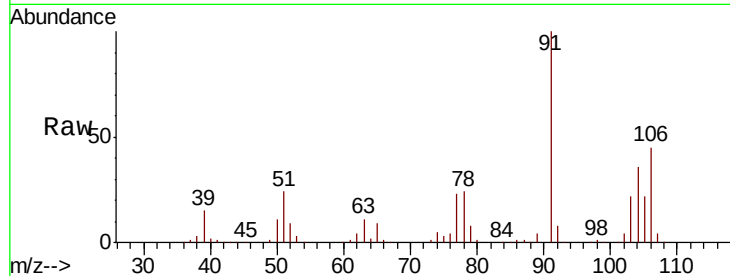




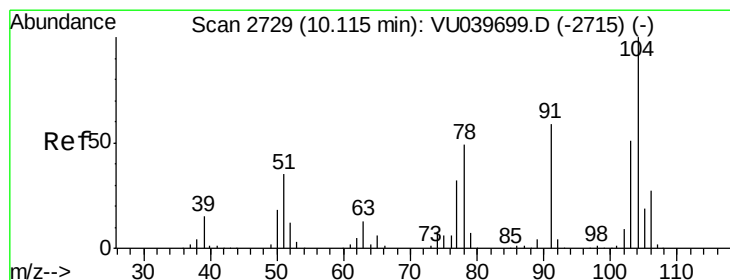
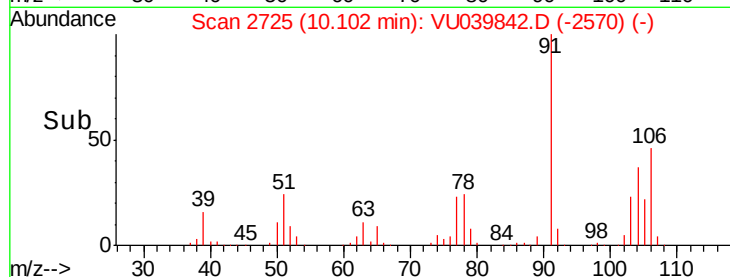
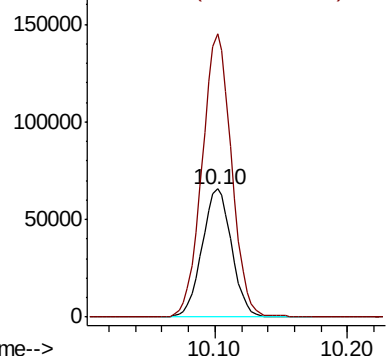
#65
o-Xylene
Concen: 9.507 ug/l
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU039842.D
Acq: 12 Aug 2020 13:31

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 101615
Ion Ratio Lower Upper
106 100
91 219.7 110.3 331.0

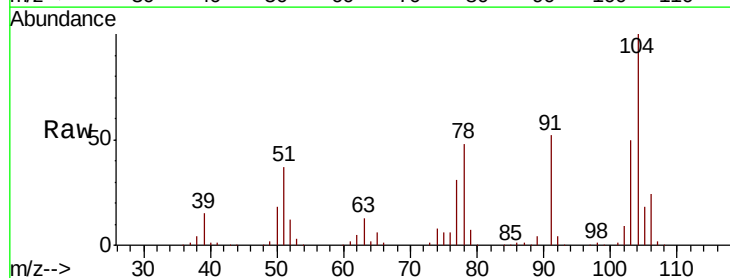


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

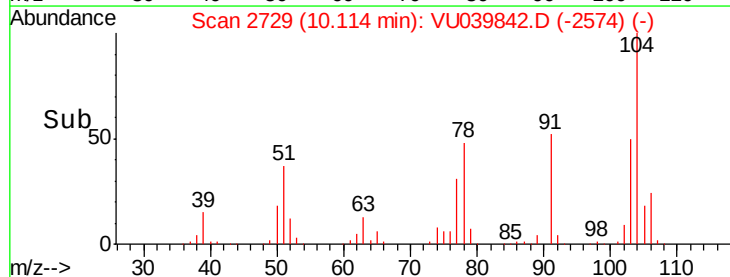
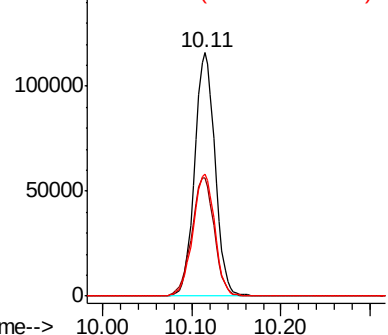


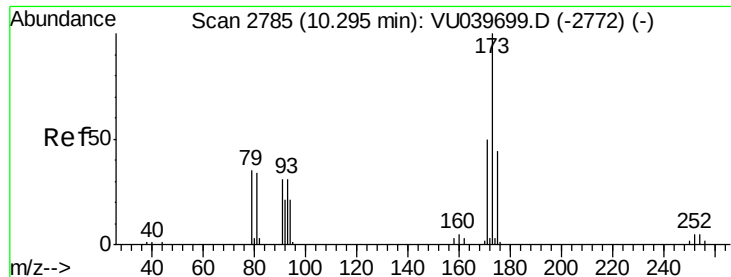
#66
Styrene
Concen: 10.034 ug/l
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU039842.D
Acq: 12 Aug 2020 13:31

Tgt Ion:104 Resp: 183791
Ion Ratio Lower Upper
104 100
78 53.4 42.2 63.4
103 53.8 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

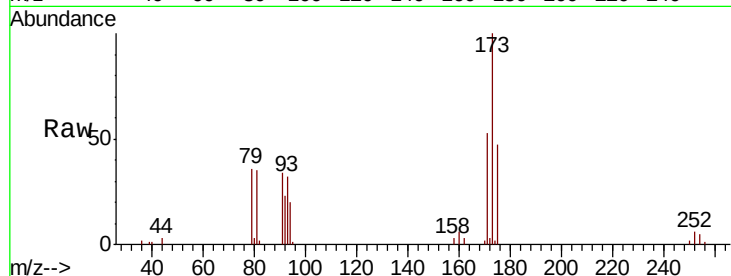




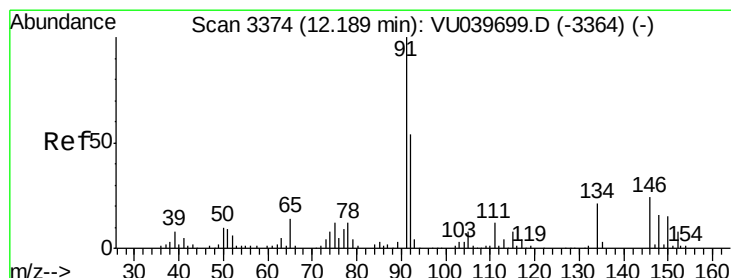
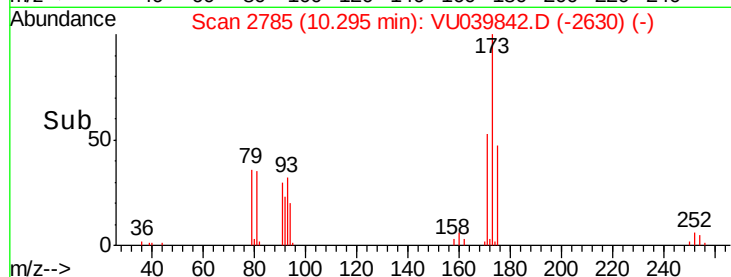
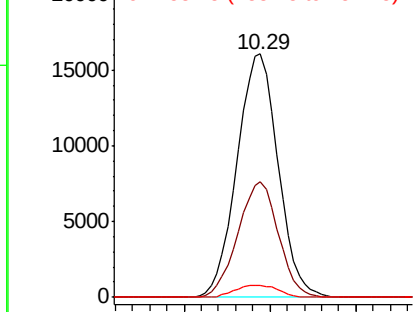
#67
Bromoform
Concen: 9.701 ug/l
RT: 10.29 min Scan# 2785
Delta R.T. -0.00 min
Lab File: VU039842.D
Acq: 12 Aug 2020 13:31

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:173 Resp: 26750
Ion Ratio Lower Upper
173 100
175 46.7 36.7 55.1
254 5.1 3.8 5.8

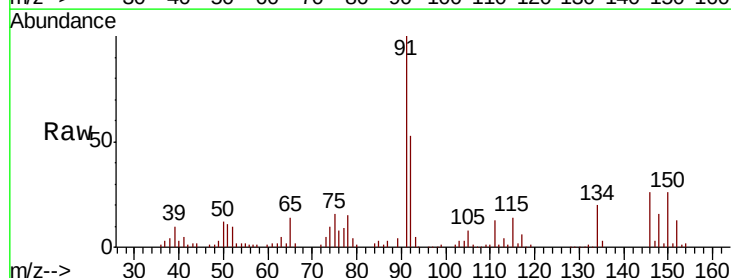


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

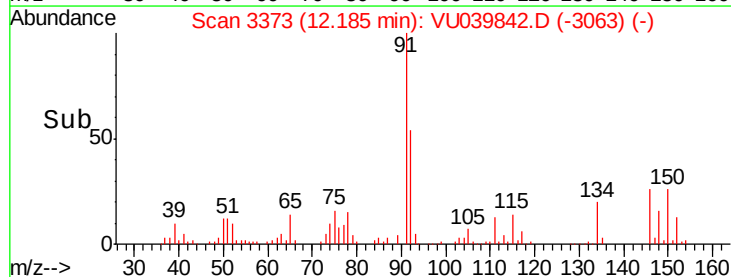
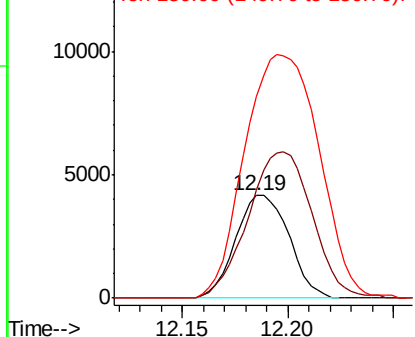


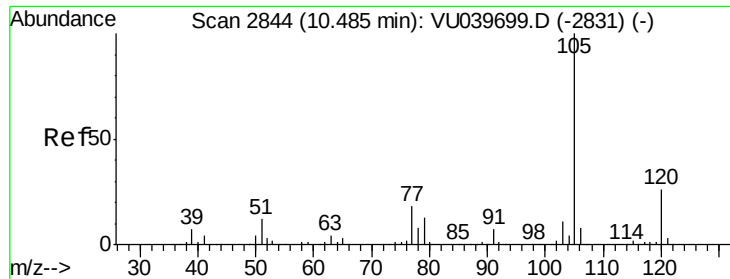
#68
1,2-Dichlorobenzene-d4
Concen: 0.913 ug/l
RT: 12.19 min Scan# 3373
Delta R.T. -0.00 min
Lab File: VU039842.D
Acq: 12 Aug 2020 13:31

Tgt Ion:152 Resp: 7292
Ion Ratio Lower Upper
152 100
115 171.7 0.0 302.4
150 332.2 0.0 645.8



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 9.528 ug/l

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039842.D

Acq: 12 Aug 2020 13:31

Instrument :

MSVOA_U

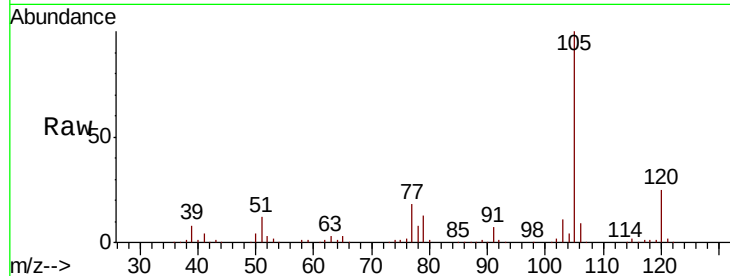
ClientSampleId :

Tot Ion:105 Resp: 272008

Ion Ratio Lower Upper

105 100

120 25.4 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

100000

50000

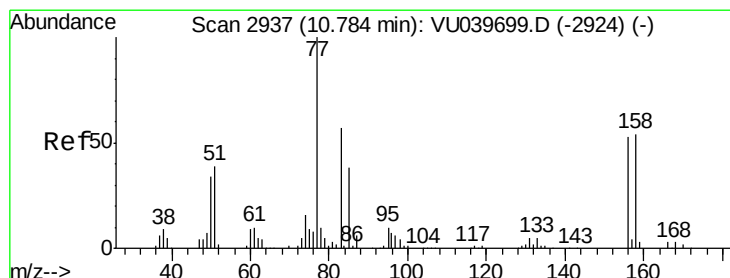
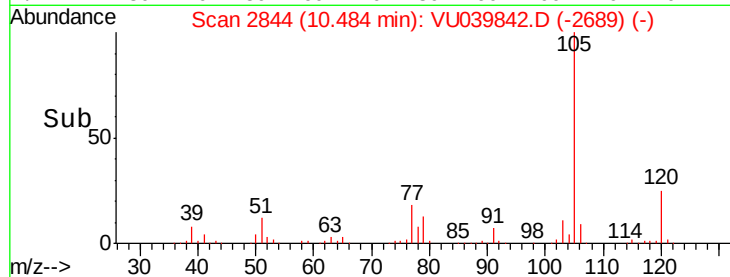
0

10.48

10.40

10.50

Time-->



#70

1,1,2,2-Tetrachloroethane

Concen: 8.755 ug/l

RT: 10.78 min Scan# 2937

Delta R.T. -0.00 min

Lab File: VU039842.D

Acq: 12 Aug 2020 13:31

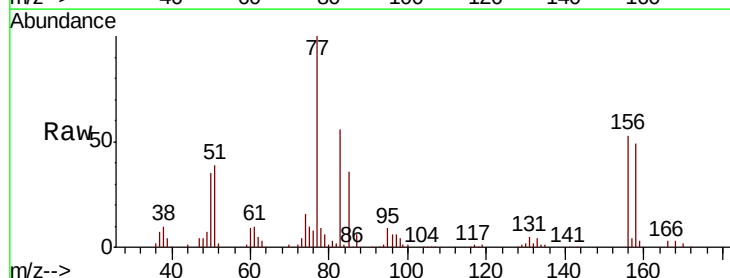
Tgt Ion: 83 Resp: 63442

Ion Ratio Lower Upper

83 100

131 8.6 7.0 10.6

85 63.9 50.6 75.8



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

50000

40000

30000

20000

10000

0

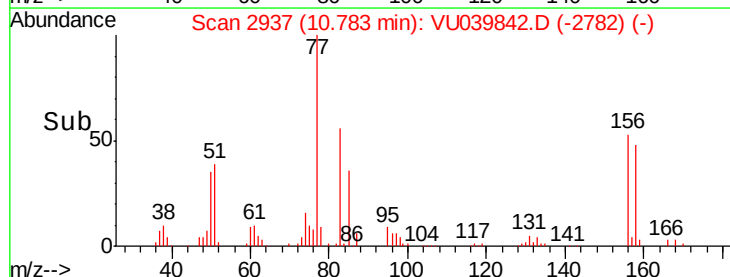
10.78

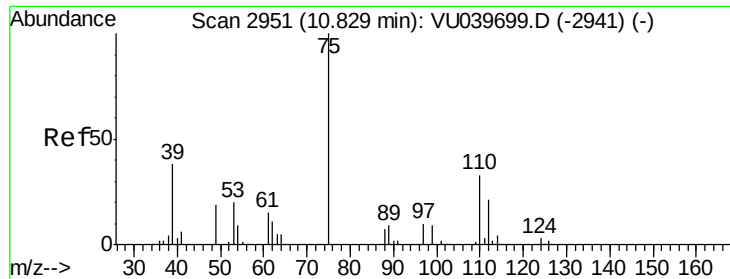
10.70

10.80

10.90

Time-->

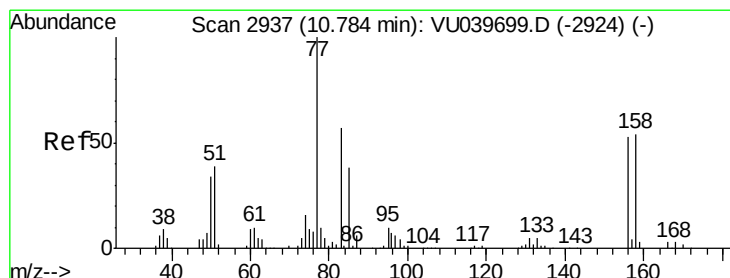
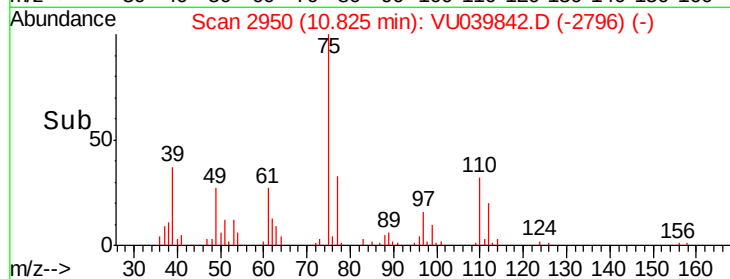
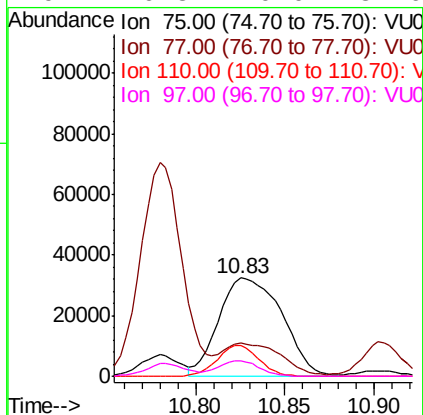
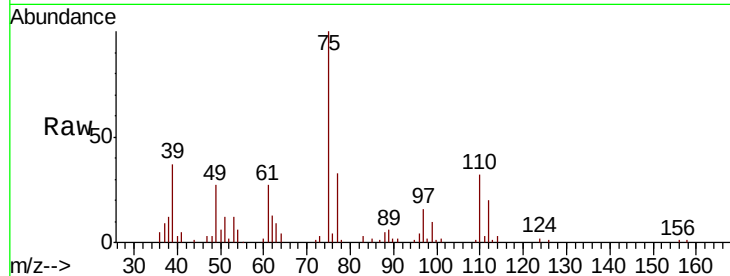




#71
 1,2,3-Trichloropropane
 Concen: 14.672 ug/l
 RT: 10.83 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: VU039842.D
 Acq: 12 Aug 2020 13:31

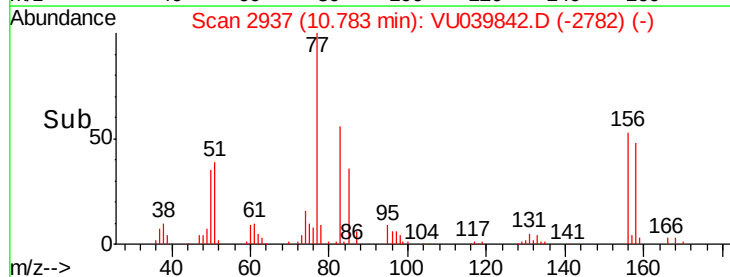
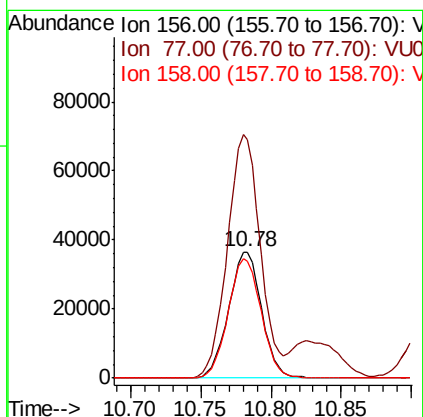
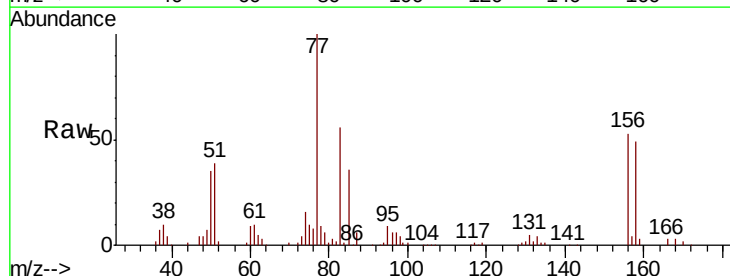
Instrument :
 MSVOA_U
 ClientSampled :

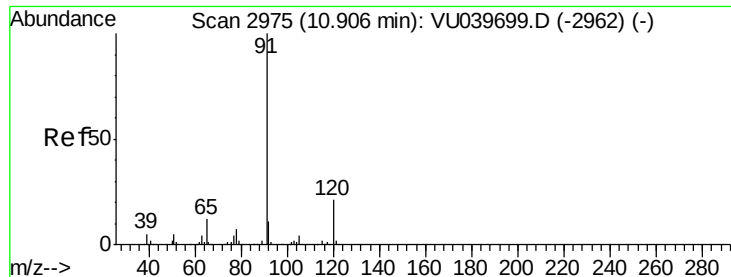
Tot Ion:	75	Resp:	80092
Ion	Ratio	Lower	Upper
75	100		
77	31.0	0.0	91.0
110	20.7	0.0	64.2
97	10.3	0.0	32.6



#72
 Bromobenzene
 Concen: 9.239 ug/l
 RT: 10.78 min Scan# 2937
 Delta R.T. -0.00 min
 Lab File: VU039842.D
 Acq: 12 Aug 2020 13:31

Tgt Ion:	156	Resp:	59903
Ion	Ratio	Lower	Upper
156	100		
77	192.3	0.0	385.2
158	94.8	0.0	200.8





#73

n-propylbenzene

Concen: 9.460 ug/l

RT: 10.91 min Scan# 2975

Delta R.T. -0.00 min

Lab File: VU039842.D

Acq: 12 Aug 2020 13:31

Instrument :

MSVOA_U

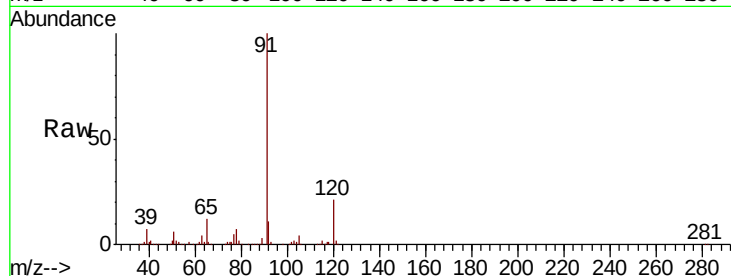
ClientSampled :

Tot Ion:120 Resp: 75938

Ion Ratio Lower Upper

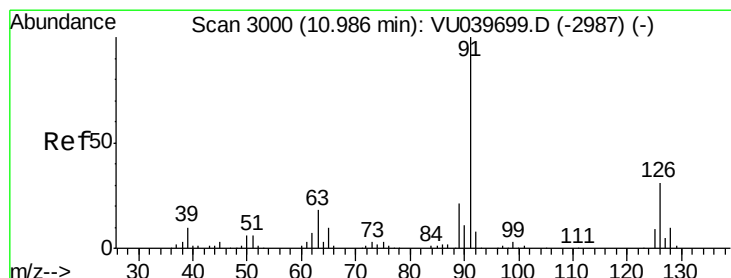
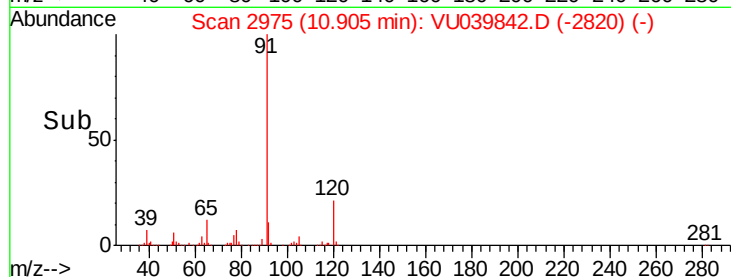
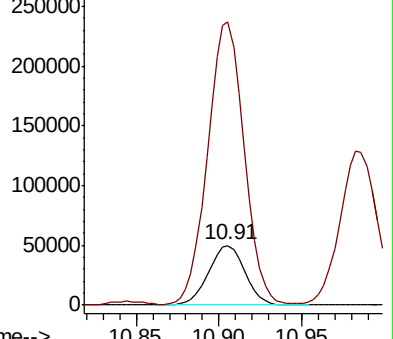
120 100

91 473.8 371.7 557.5



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 9.116 ug/l

RT: 10.99 min Scan# 3000

Delta R.T. -0.00 min

Lab File: VU039842.D

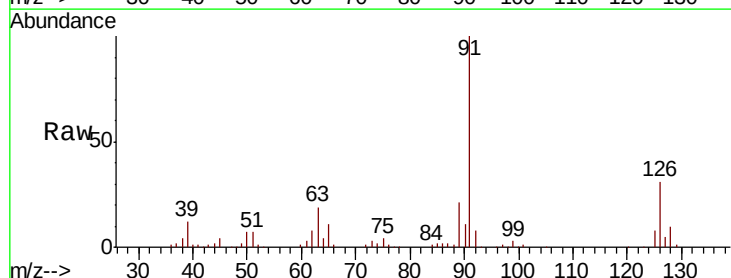
Acq: 12 Aug 2020 13:31

Tgt Ion:126 Resp: 61813

Ion Ratio Lower Upper

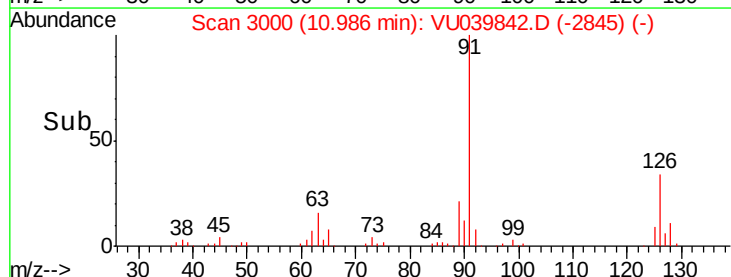
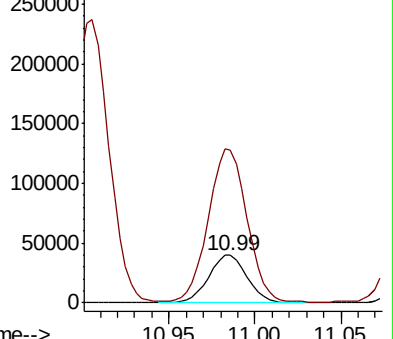
126 100

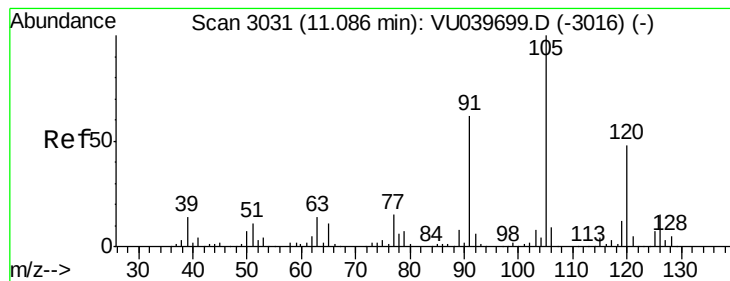
91 324.0 0.0 637.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 9.693 ug/l

RT: 11.09 min Scan# 3031

Delta R.T. -0.00 min

Lab File: VU039842.D

Acq: 12 Aug 2020 13:31

Instrument :

MSVOA_U

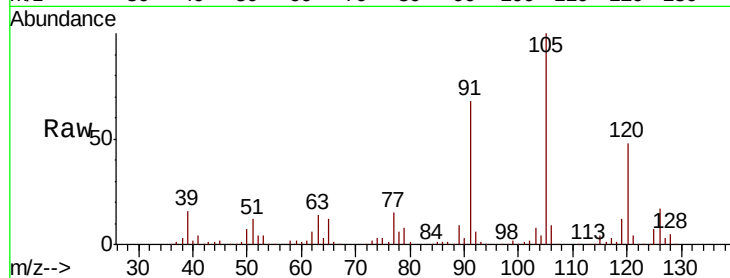
ClientSampled :

Tot Ion:105 Resp: 239221

Ion Ratio Lower Upper

105 100

120 48.1 38.0 57.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.09

150000

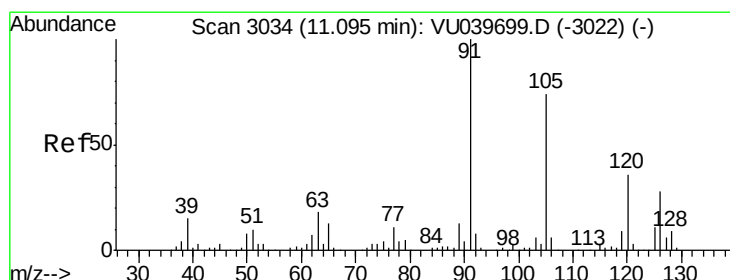
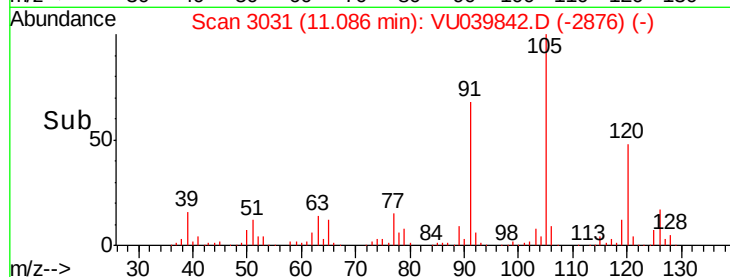
100000

50000

0

Time-->

11.00 11.10 11.20



#76

4-Chlorotoluene

Concen: 9.732 ug/l

RT: 11.10 min Scan# 3034

Delta R.T. -0.00 min

Lab File: VU039842.D

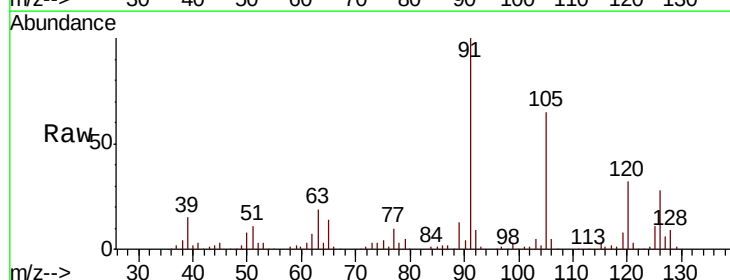
Acq: 12 Aug 2020 13:31

Tgt Ion:126 Resp: 68355

Ion Ratio Lower Upper

126 100

91 363.9 0.0 732.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

11.10

150000

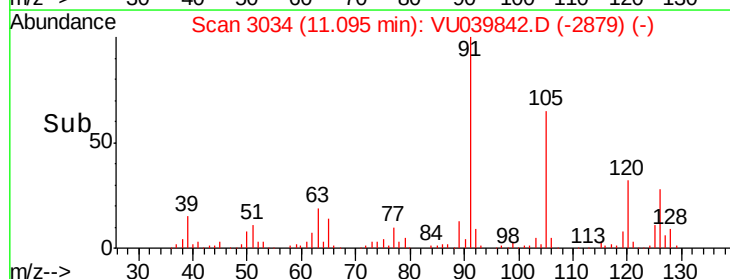
100000

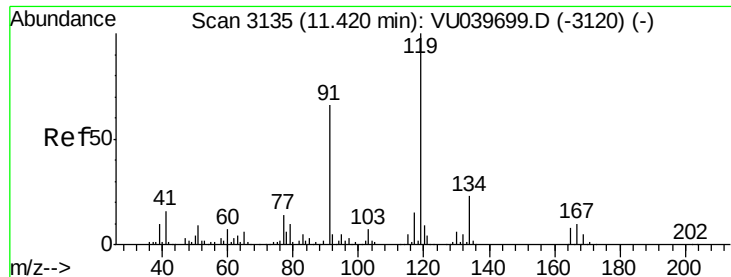
50000

0

Time-->

11.00 11.10 11.20





#77

tert-Butylbenzene

Concen: 9.419 ug/l

RT: 11.42 min Scan# 3134

Delta R.T. -0.00 min

Lab File: VU039842.D

Acq: 12 Aug 2020 13:31

Instrument :

MSVOA_U

ClientSampleId :

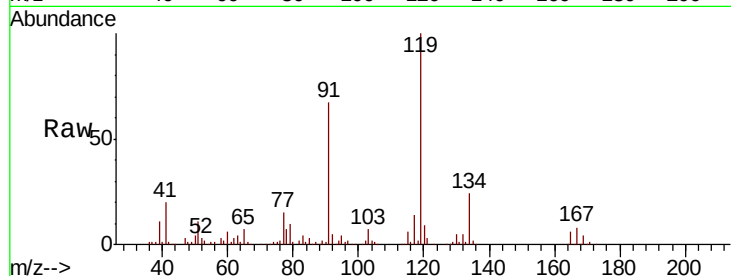
Tot Ion:119 Resp: 223012

Ion Ratio Lower Upper

119 100

91 63.5 31.9 95.5

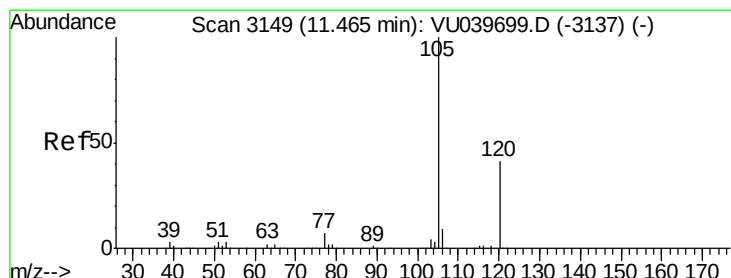
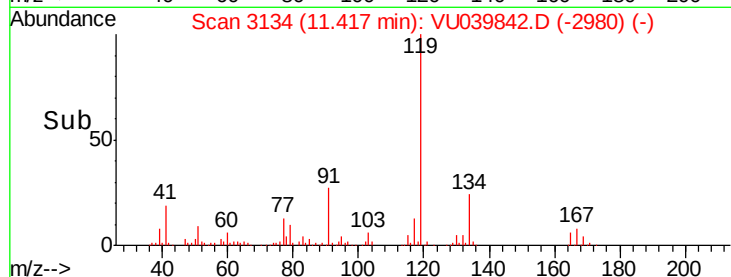
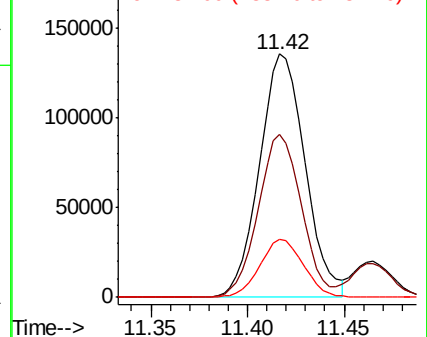
134 22.9 18.2 27.4



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: 9.858 ug/l

RT: 11.46 min Scan# 3149

Delta R.T. -0.00 min

Lab File: VU039842.D

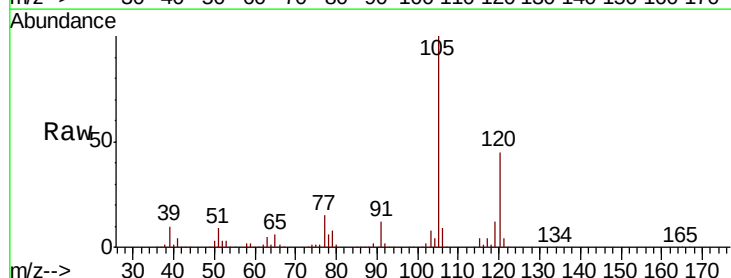
Acq: 12 Aug 2020 13:31

Tgt Ion:105 Resp: 249524

Ion Ratio Lower Upper

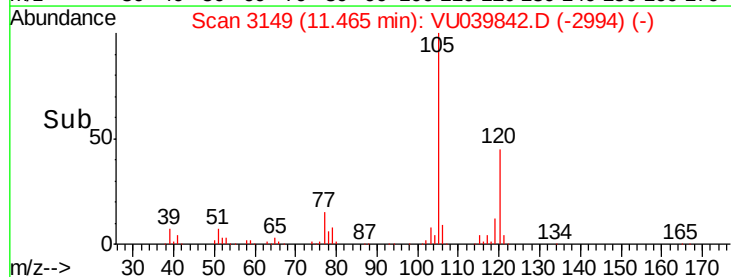
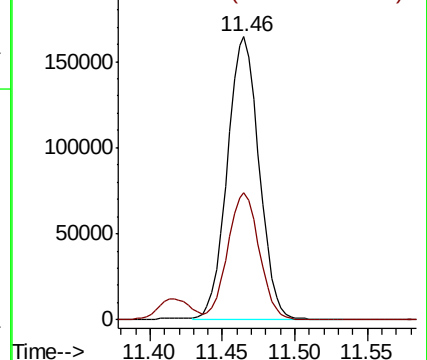
105 100

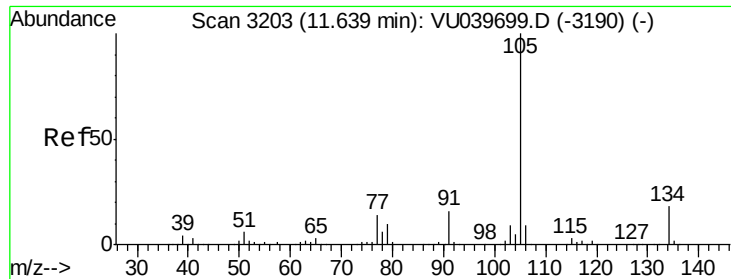
120 44.9 22.7 68.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

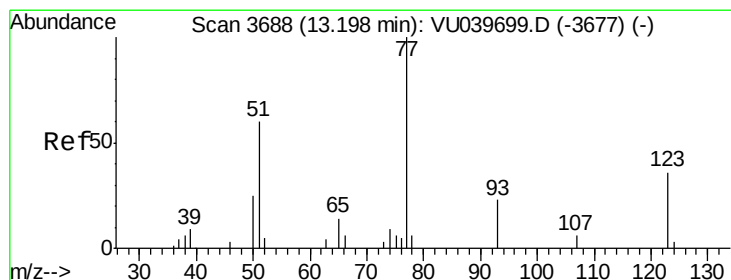
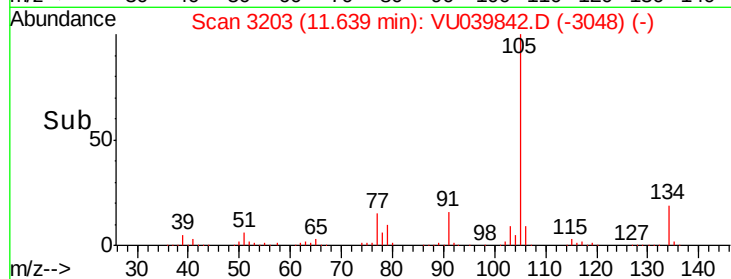
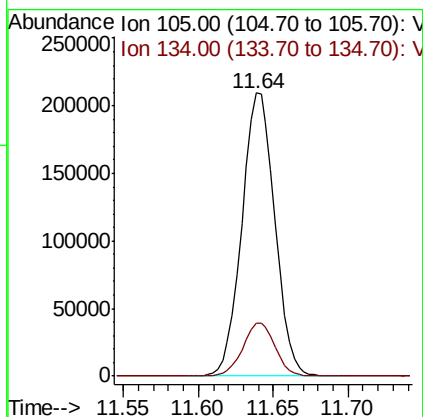
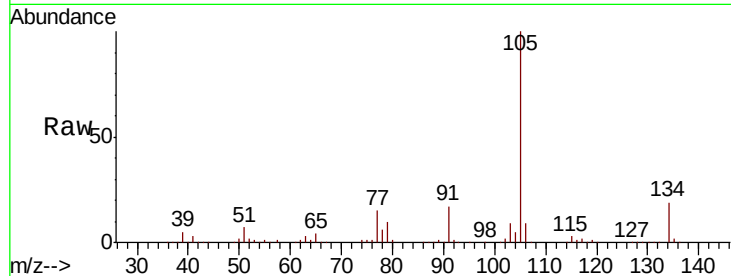




#79
 sec-Butylbenzene
 Concen: 9.549 ug/l
 RT: 11.64 min Scan# 3203
 Delta R.T. -0.00 min
 Lab File: VU039842.D
 Acq: 12 Aug 2020 13:31

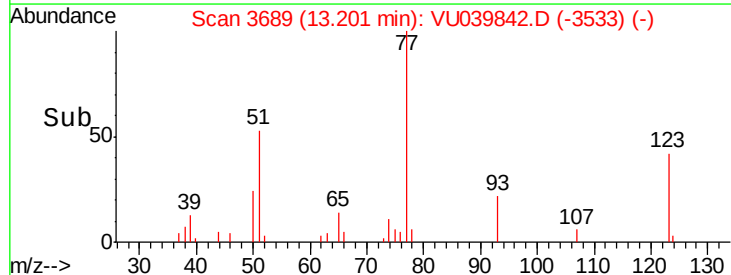
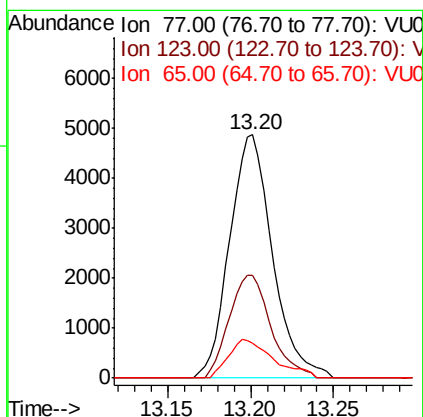
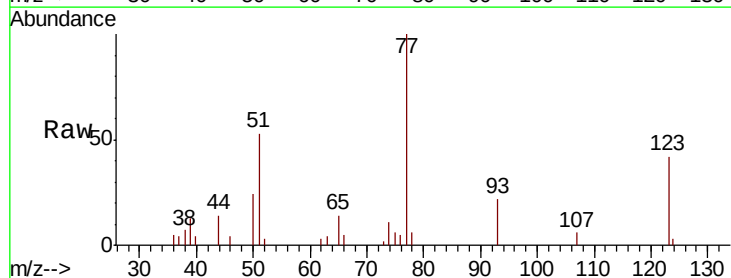
Instrument :
 MSVOA_U
 ClientSampled :

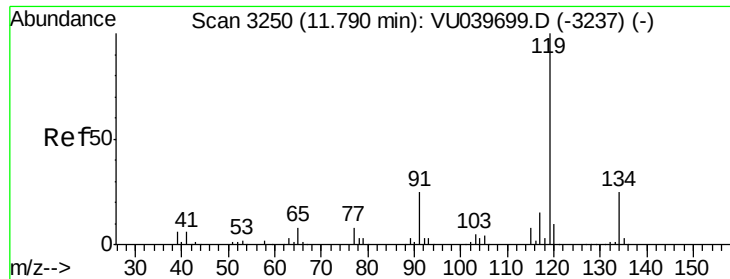
Tot Ion: 105 Resp: 321802
 Ion Ratio Lower Upper
 105 100
 134 18.4 14.8 22.2



#80
 Nitrobenzene
 Concen: 71.499 ug/l
 RT: 13.20 min Scan# 3689
 Delta R.T. 0.00 min
 Lab File: VU039842.D
 Acq: 12 Aug 2020 13:31

Tgt Ion: 77 Resp: 8767
 Ion Ratio Lower Upper
 77 100
 123 41.1 16.9 59.9
 65 16.7 14.4 18.4

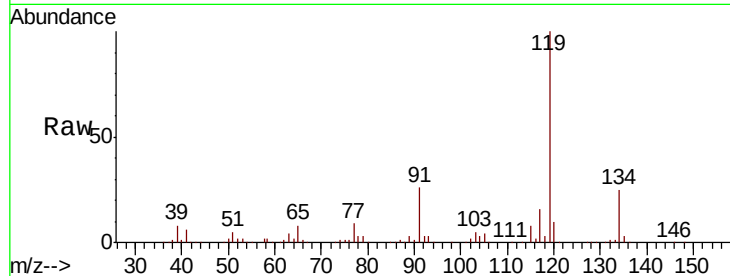




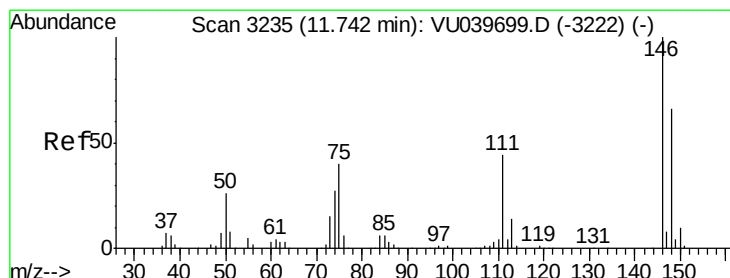
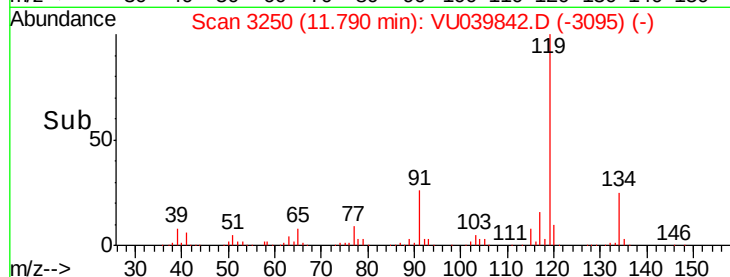
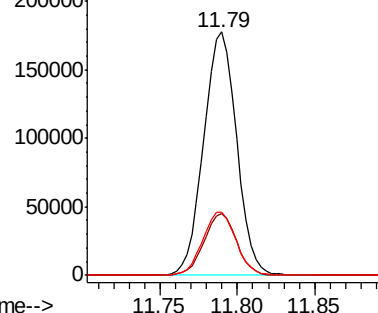
#81
 p-Isopropyltoluene
 Concen: 9.596 ug/l
 RT: 11.79 min Scan# 3250
 Delta R.T. -0.00 min
 Lab File: VU039842.D
 Acq: 12 Aug 2020 13:31

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.2	30.4
91	26.2	20.7	31.1

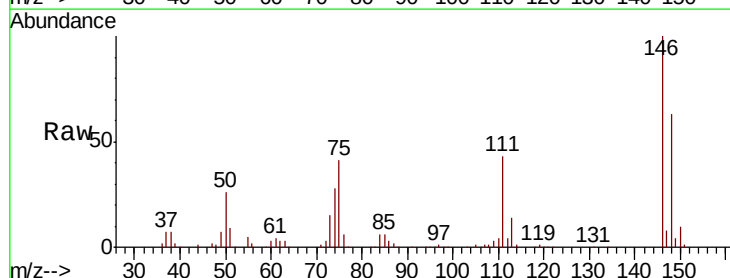


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

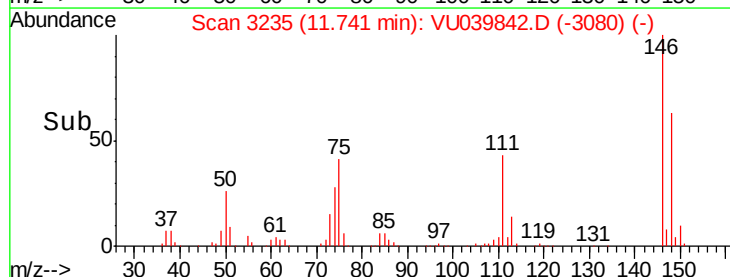
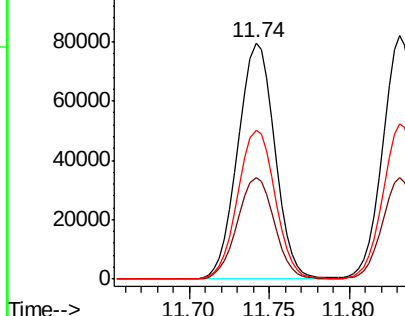


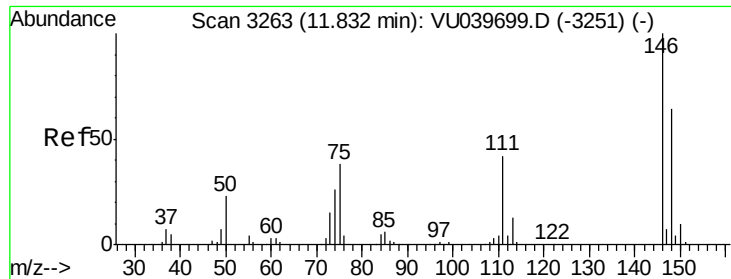
#82
 1,3-Dichlorobenzene
 Concen: 8.985 ug/l
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU039842.D
 Acq: 12 Aug 2020 13:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.9	34.5	51.7
148	63.9	51.4	77.0



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

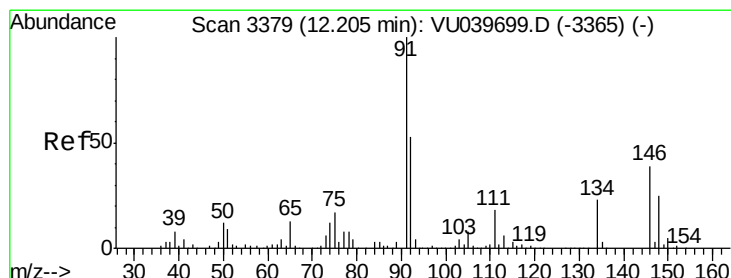
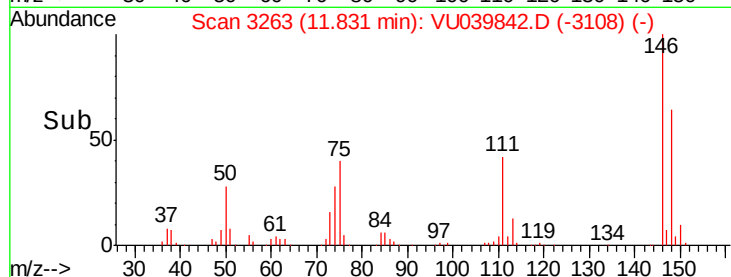
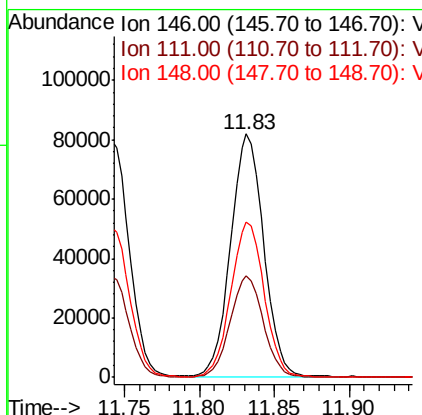
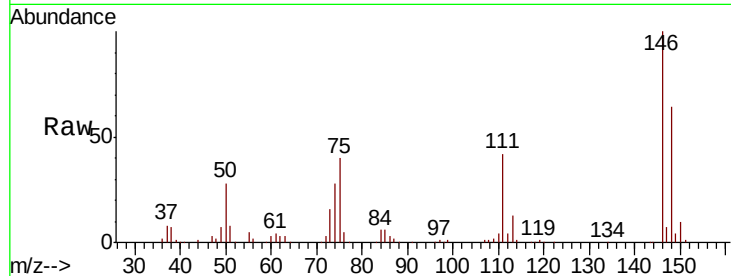




#83
 1,4-Dichlorobenzene
 Concen: 8.965 ug/l
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU039842.D
 Acq: 12 Aug 2020 13:31

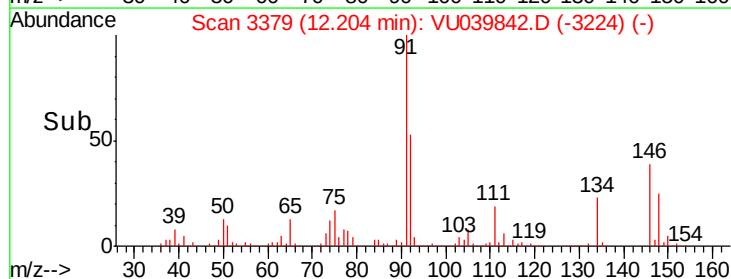
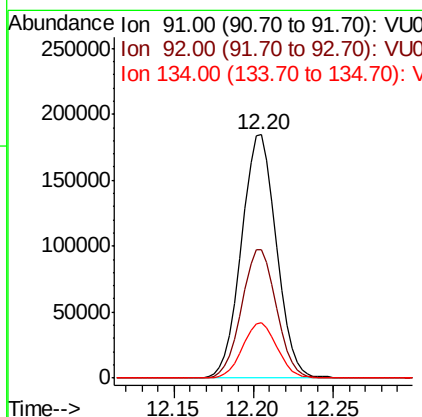
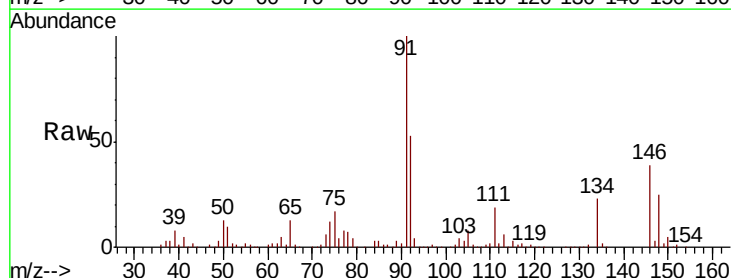
Instrument :
 MSVOA_U
 ClientSampled :

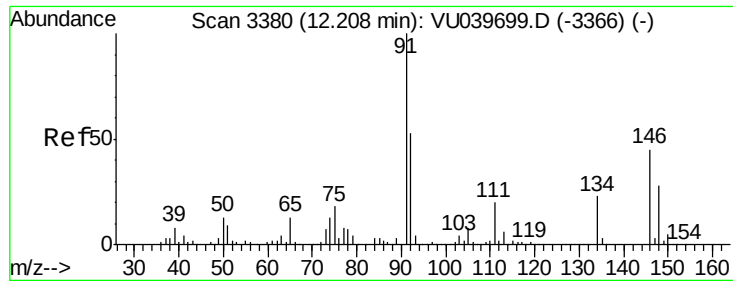
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	33.8	50.6
148	64.3	51.1	76.7



#84
 n-Butylbenzene
 Concen: 9.513 ug/l
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU039842.D
 Acq: 12 Aug 2020 13:31

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.9	42.6	64.0
134	22.5	18.2	27.4

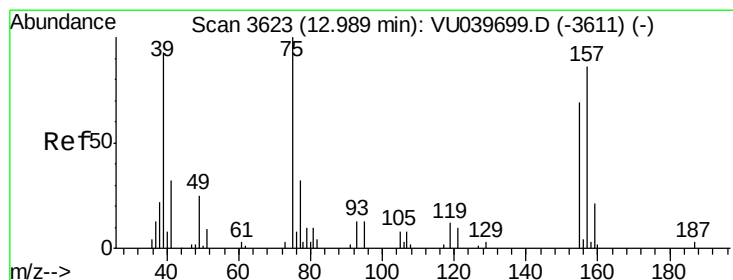
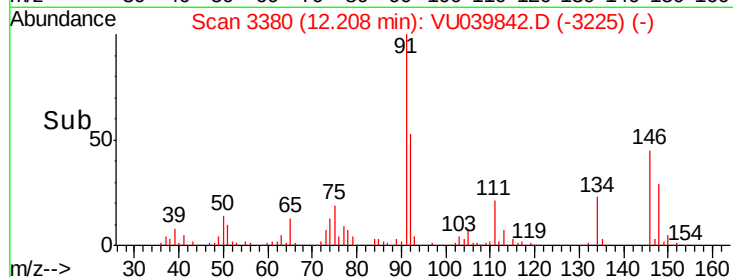
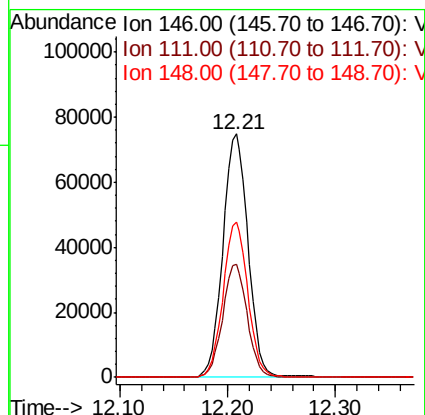
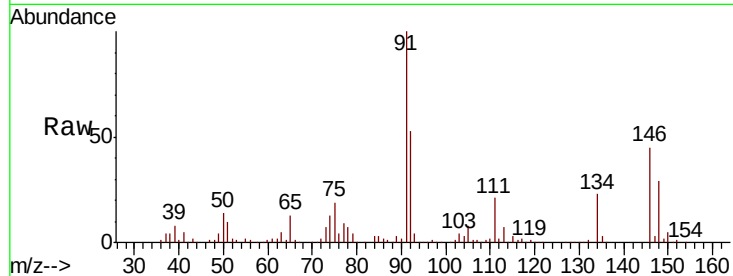




#85
 1,2-Dichlorobenzene
 Concen: 9.018 ug/l
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU039842.D
 Acq: 12 Aug 2020 13:31

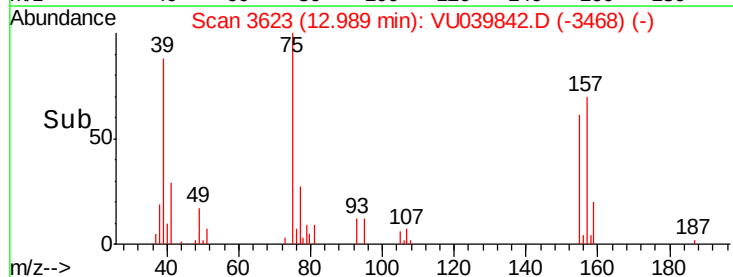
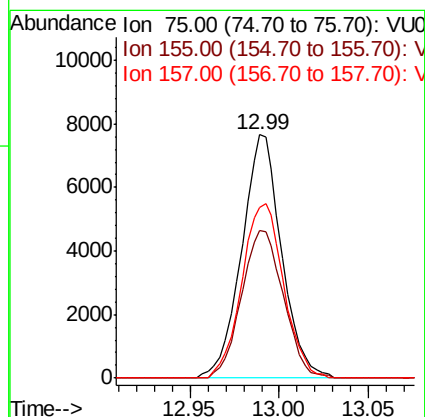
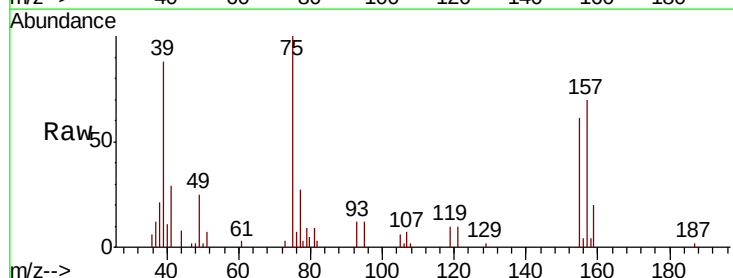
Instrument :
 MSVOA_U
 ClientSampleId :

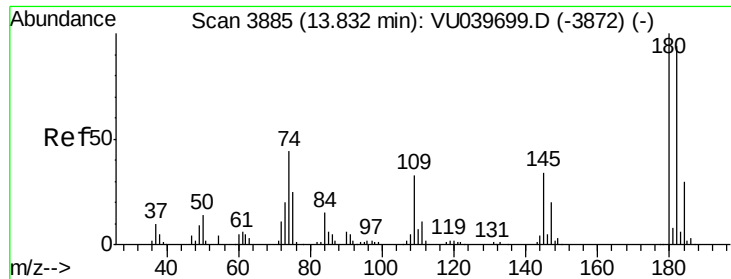
Tot Ion:146 Resp: 121297
 Ion Ratio Lower Upper
 146 100
 111 45.5 22.8 68.3
 148 62.9 31.7 95.1



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 9.792 ug/l
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU039842.D
 Acq: 12 Aug 2020 13:31

Tgt Ion: 75 Resp: 11952
 Ion Ratio Lower Upper
 75 100
 155 63.6 52.9 79.3
 157 74.9 67.8 101.6

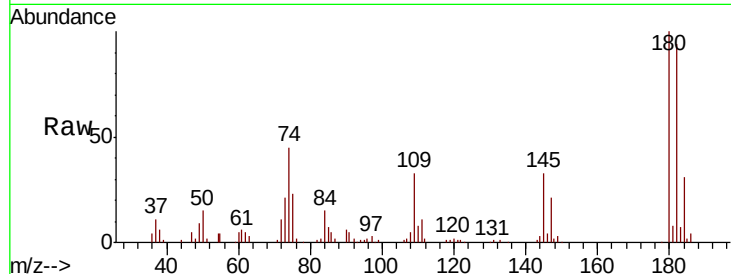




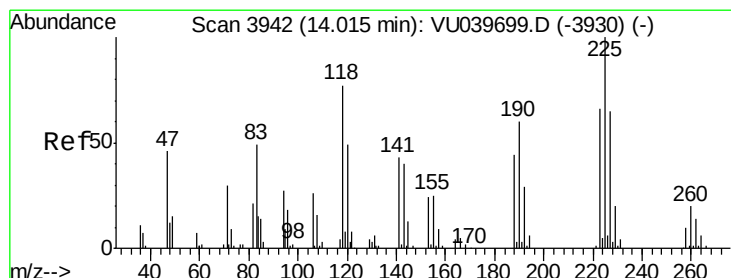
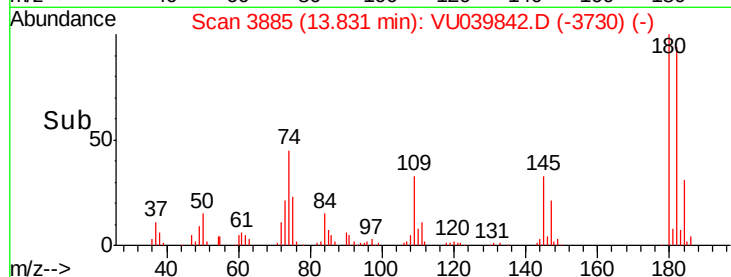
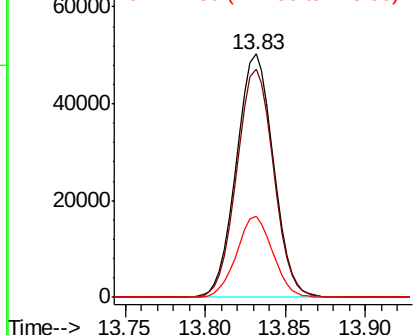
#87
 1,2,4-Trichlorobenzene
 Concen: 9.417 ug/l
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU039842.D
 Acq: 12 Aug 2020 13:31

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 79222
 Ion Ratio Lower Upper
 180 100
 182 93.3 76.2 114.4
 145 32.6 26.8 40.2

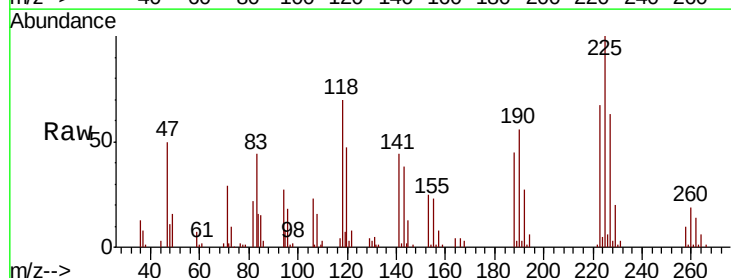


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

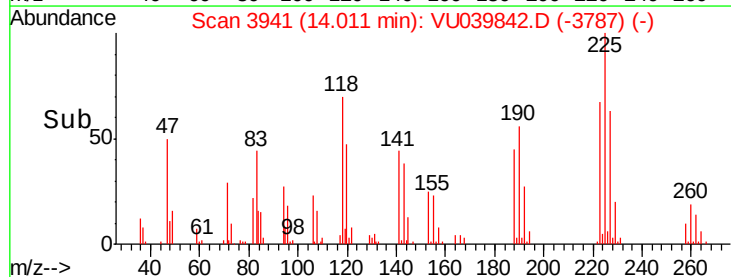
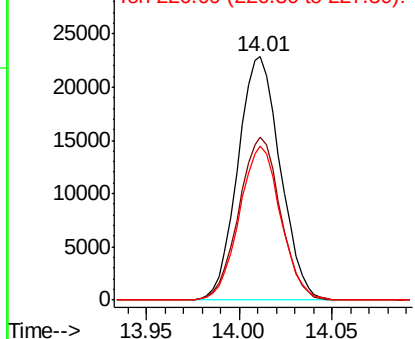


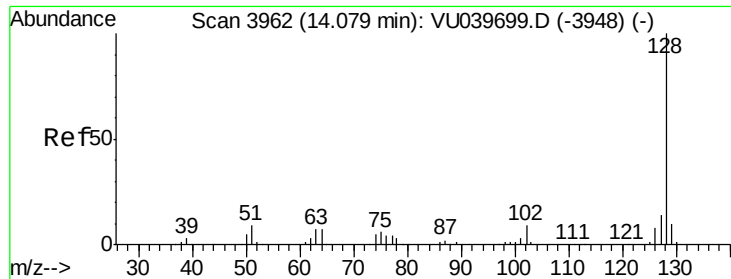
#88
 Hexachlorobutadiene
 Concen: 9.488 ug/l
 RT: 14.01 min Scan# 3941
 Delta R.T. -0.00 min
 Lab File: VU039842.D
 Acq: 12 Aug 2020 13:31

Tgt Ion:225 Resp: 36248
 Ion Ratio Lower Upper
 225 100
 223 65.6 52.4 78.6
 227 61.8 50.7 76.1



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

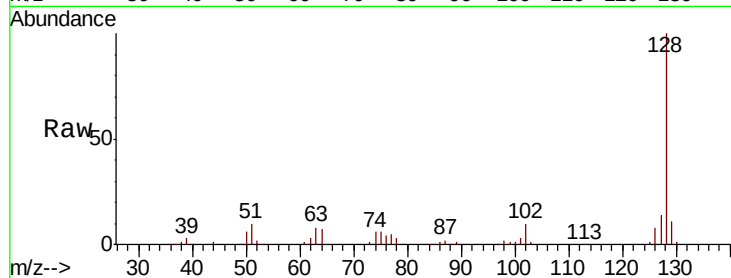




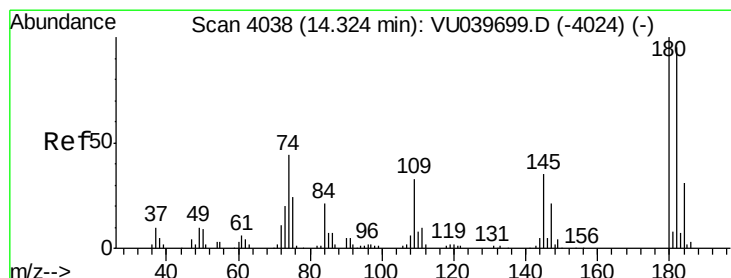
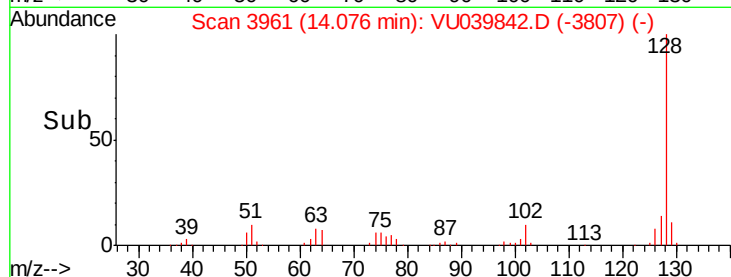
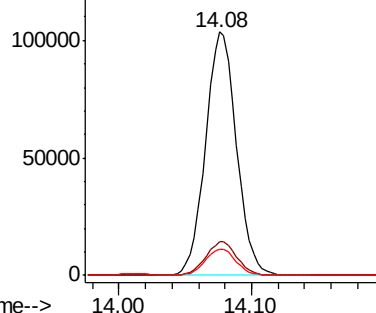
#89
Naphthalene
Concen: 9.320 ug/l
RT: 14.08 min Scan# 3961
Delta R.T. -0.00 min
Lab File: VU039842.D
Acq: 12 Aug 2020 13:31

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 167755
Ion Ratio Lower Upper
128 100
127 13.7 11.0 16.4
129 10.7 8.4 12.6

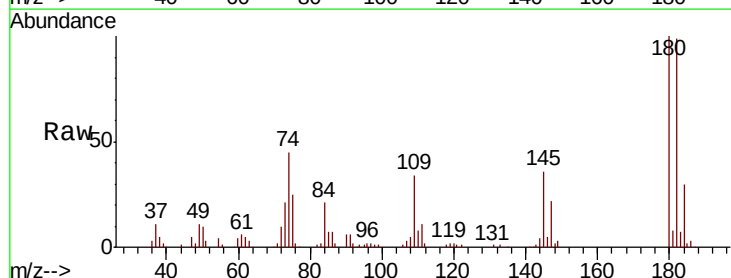


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#90
1,2,3-Trichlorobenzene
Concen: 9.469 ug/l
RT: 14.32 min Scan# 4037
Delta R.T. -0.00 min
Lab File: VU039842.D
Acq: 12 Aug 2020 13:31

Tgt Ion:180 Resp: 75201
Ion Ratio Lower Upper
180 100
182 95.6 76.0 114.0
145 35.1 27.8 41.6



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

