

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030920\
 Data File : VU037140.D
 Acq On : 09 Mar 2020 18:58
 Operator : JC/MD
 Sample : VU0309WBSD01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0309WBSD01

Quant Time: Mar 09 19:29:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U030920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Mar 09 18:12:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.15	96	16092	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.65	95	5804	0.93	ug/l	0.00
Spiked Amount	1.000		Recovery	=	93.00%	
68) 1,2-Dichlorobenzene-d4	12.21	152	6472	1.02	ug/l	0.00
Spiked Amount	1.000		Recovery	=	102.00%	

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	15017	1.912	ug/l 98
3) Chloromethane	1.54	50	15162	1.941	ug/l 96
4) Vinyl Chloride	1.62	62	13324	1.941	ug/l 97
5) Bromomethane	1.87	94	4884	2.040	ug/l 97
6) Chloroethane	1.95	64	6332	1.925	ug/l 95
7) Trichlorofluoromethane	2.16	101	15390	1.845	ug/l 99
8) 1,1,2-Trichloro-1,2,2-trif	2.60	101	7226	1.846	ug/l 94
9) 1,1-Dichloroethene	2.60	96	7493	2.014	ug/l 87
10) Iodomethane	2.75	142	1824	1.128	ug/l 90
11) Allyl Chloride	2.95	41	13504	1.872	ug/l # 61
12) Acrylonitrile	3.36	53	3266	3.711	ug/l # 88
13) Acetone	2.66	43	8993	9.192	ug/l # 80
14) Carbon Disulfide	2.82	76	22534	1.818	ug/l 95
15) Methylene Chloride	3.08	84	10045	2.150	ug/l # 79
16) trans-1,2-Dichloroethene	3.38	96	7165	1.813	ug/l 90
17) 1,1-Dichloroethane	3.91	63	17548	1.915	ug/l 97
18) 2-Butanone	4.77	43	12512	8.367	ug/l 99
19) Cyclohexane	5.42	56	12717	1.630	ug/l 95
20) Methylcyclohexane	6.79	83	13172	1.709	ug/l # 87
21) 2,2-Dichloropropane	4.71	77	14970	1.791	ug/l 93
22) cis-1,2-Dichloroethene	4.71	96	8932	1.825	ug/l 81
23) Diethyl Ether	2.40	59	5885	1.867	ug/l 89
24) tert-Butyl Alcohol	3.24	59	9027	26.191	ug/l # 91
25) Methyl tert-Butyl Ether	3.41	73	20473	1.878	ug/l # 67
26) Bromochloromethane	5.02	128	3922	1.820	ug/l 78
27) Chloroform	5.13	83	18091	1.834	ug/l 98
28) 1,1,1-Trichloroethane	5.35	97	16297	1.938	ug/l 95
29) 1,1-Dichloropropene	5.56	75	12222	1.788	ug/l 97
30) Carbon Tetrachloride	5.56	117	13687	1.860	ug/l 96
31) Isopropyl Ether	4.05	45	26589	1.818	ug/l 82
32) Ethyl-t-butyl ether	4.56	59	24411	1.768	ug/l 95
33) Tert-Amyl methyl ether	5.99	73	20690	1.746	ug/l 98
34) Propionitrile	4.84	54	3306	8.406	ug/l # 91
35) Benzene	5.81	78	36258	1.867	ug/l 100
36) 1,2-Dichloroethane	5.84	62	13053	1.855	ug/l # 91
37) Trichloroethene	6.57	130	9078	1.782	ug/l 92
38) 1,2-Dichloropropane	6.83	63	9895	1.857	ug/l 98
39) Methacrylonitrile	5.03	41	3554	1.873	ug/l # 79
40) Methyl acrylate	4.90	55	4693	1.788	ug/l # 90
41) Tetrahydrofuran	5.11	42	3366	3.555	ug/l # 66
42) 1-Chlorobutane	5.50	56	18186	1.847	ug/l 82

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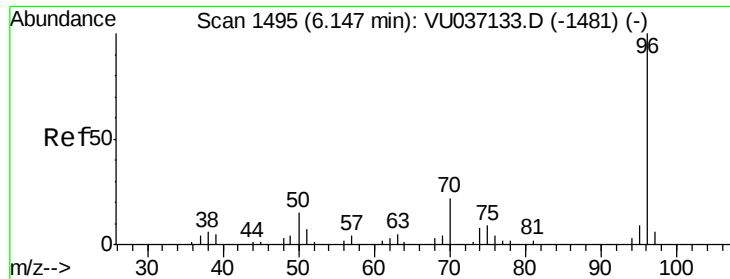
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0309WBSD01

Quant Time: Mar 09 19:29:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U030920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Mar 09 18:12:43 2020
 Response via : Initial Calibration

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

43) Dibromomethane	6.95	93	5429	1.987	ug/l #	81
44) Bromodichloromethane	7.14	83	13180	1.853	ug/l	96
45) 4-Methyl-2-Pentanone	7.83	43	32231	8.799	ug/l #	85
46) t-1,4-Dichloro-2-butene	10.85	75	10169	10.142	ug/l #	67
47) Methyl methacrylate	7.00	69	8160	3.614	ug/l #	63
48) Ethyl methacrylate	8.36	69	7409	1.661	ug/l	67
49) Toluene	8.00	92	21705	1.851	ug/l	99
50) t-1,3-Dichloropropene	8.24	75	11553	1.803	ug/l	97
51) cis-1,3-Dichloropropene	7.64	75	12155	1.661	ug/l #	83
52) 1,1,2-Trichloroethane	8.43	97	6980	1.915	ug/l	90
53) 1,3-Dichloropropane	8.60	76	11786	1.823	ug/l	97
54) 2-Hexanone	8.72	43	21406	8.483	ug/l	84
55) Dibromochloromethane	8.83	129	8139	1.804	ug/l	100
56) 1,2-Dibromoethane	8.95	107	6321	1.831	ug/l	98
58) Tetrachloroethene	8.58	164	8593	1.797	ug/l	88
59) Chlorobenzene	9.47	112	23285	1.779	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.56	131	8857	1.849	ug/l	97
61) Pentachloroethane	11.45	117	7219	1.975	ug/l	86
62) Hexachloroethane	12.49	117	7225	1.847	ug/l	84
63) Ethyl Benzene	9.59	91	39272	1.758	ug/l	94
64) m/p-Xylenes	9.72	106	30035	3.552	ug/l	89
65) o-Xylene	10.12	106	14929	1.830	ug/l	94
66) Styrene	10.13	104	23911	1.790	ug/l	96
67) Bromoform	10.31	173	4705	1.976	ug/l #	96
69) Isopropylbenzene	10.50	105	39452	1.774	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.80	83	9031	1.884	ug/l	94
71) 1,2,3-Trichloropropane	10.85	75	10169	2.595	ug/l	71
72) Bromobenzene	10.80	156	10037	1.865	ug/l	92
73) n-propylbenzene	10.92	120	10700	1.815	ug/l	80
74) 2-Chlorotoluene	11.01	126	9975	1.869	ug/l	85
75) 1,3,5-Trimethylbenzene	11.10	105	34241	1.778	ug/l	95
76) 4-Chlorotoluene	11.12	126	10383	1.933	ug/l	80
77) tert-Butylbenzene	11.44	119	34127	1.818	ug/l	95
78) 1,2,4-Trimethylbenzene	11.48	105	34906	1.796	ug/l	95
79) sec-Butylbenzene	11.66	105	45773	1.792	ug/l	98
80) Nitrobenzene	13.24	77	637	6.071	ug/l #	82
81) p-Isopropyltoluene	11.81	119	37209	1.848	ug/l	95
82) 1,3-Dichlorobenzene	11.76	146	20519	1.924	ug/l	99
83) 1,4-Dichlorobenzene	11.85	146	19645	1.819	ug/l	96
84) n-Butylbenzene	12.22	91	33000	1.730	ug/l	96
85) 1,2-Dichlorobenzene	12.23	146	19114	1.853	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	13.02	75	1505	1.779	ug/l #	78
87) 1,2,4-Trichlorobenzene	13.87	180	8481	1.635	ug/l #	92
88) Hexachlorobutadiene	14.06	225	5973	1.861	ug/l	95
89) Naphthalene	14.12	128	12663	1.438	ug/l #	95
90) 1,2,3-Trichlorobenzene	14.37	180	9109	1.805	ug/l	97

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.15 min Scan# 1495

Delta R.T. -0.00 min

Lab File: VU037140.D

Acq: 09 Mar 2020 18:58

Instrument :

MSVOA_U

ClientSampleId :

VU0309WBSD01

Tot Ion: 96 Resp: 16092

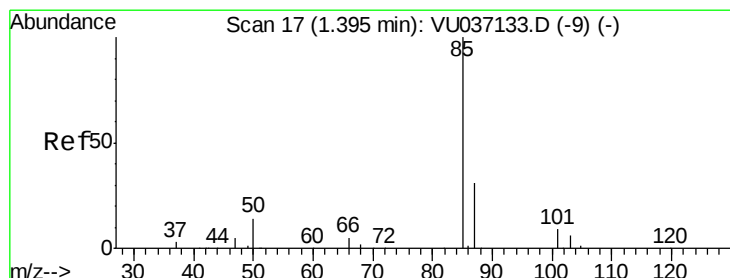
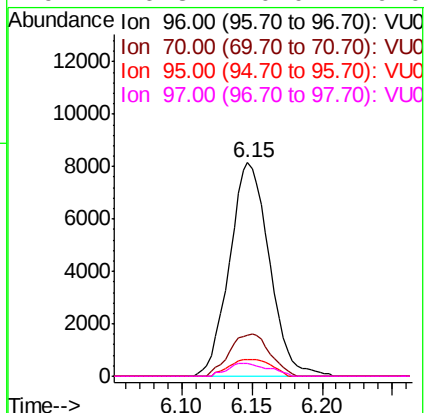
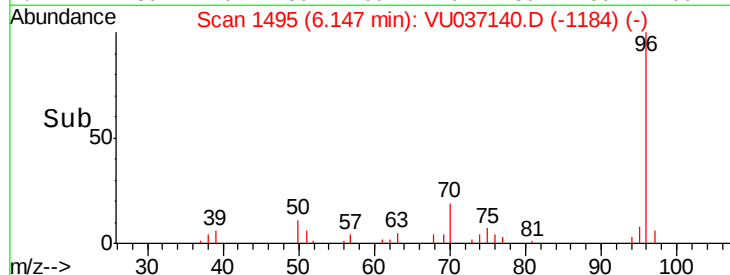
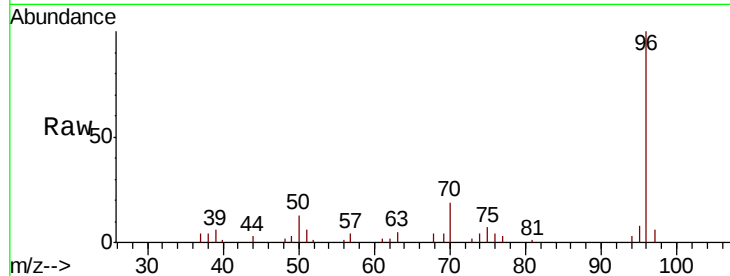
Ion Ratio Lower Upper

96 100

70 20.1 15.6 23.4

95 8.3 7.0 10.6

97 6.3 0.0 0.0#



#2

Dichlorodifluoromethane

Concen: 1.912 ug/l

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU037140.D

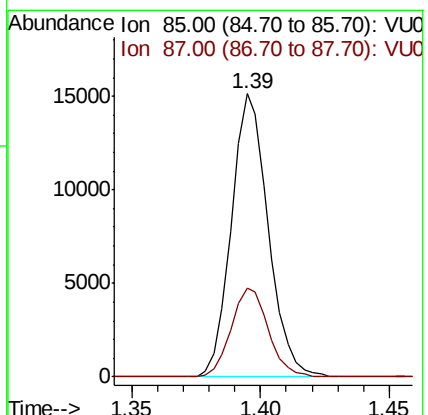
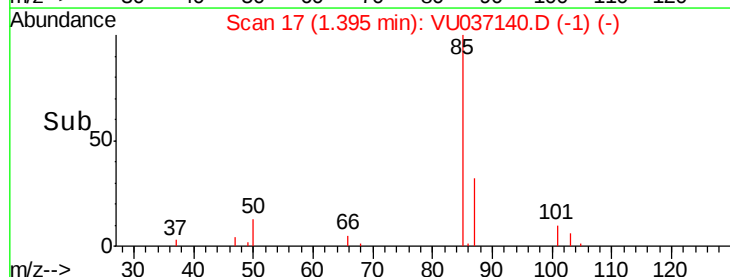
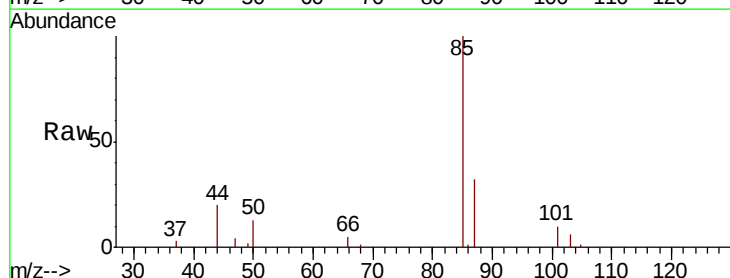
Acq: 09 Mar 2020 18:58

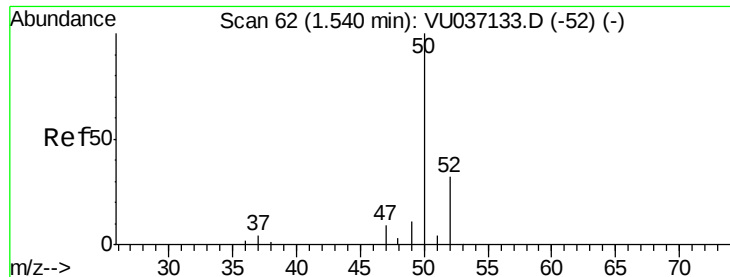
Tgt Ion: 85 Resp: 15017

Ion Ratio Lower Upper

85 100

87 31.6 16.4 49.2





#3

Chloromethane

Concen: 1.941 ug/l

RT: 1.54 min Scan# 62

Delta R.T. -0.00 min

Lab File: VU037140.D

Acq: 09 Mar 2020 18:58

Instrument :

MSVOA_U

ClientSampleId :

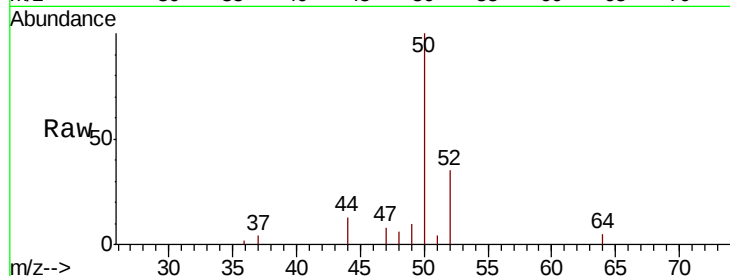
VU0309WBSD01

Tot Ion: 50 Resp: 15162

Ion Ratio Lower Upper

50 100

52 34.6 26.0 39.0



Abundance Ion 50.00 (49.70 to 50.70): VU037133.D (-52) (-)

Ion 52.00 (51.70 to 52.70): VU037133.D (-52) (-)

15000

10000

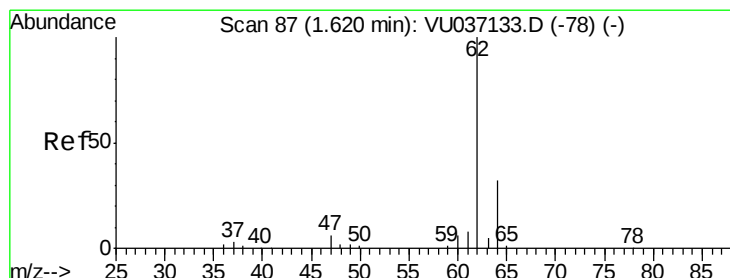
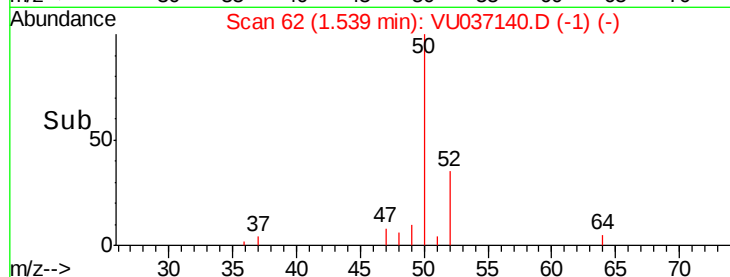
5000

0

Time-->

1.50 1.55 1.60

1.54



#4

Vinyl Chloride

Concen: 1.941 ug/l

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU037140.D

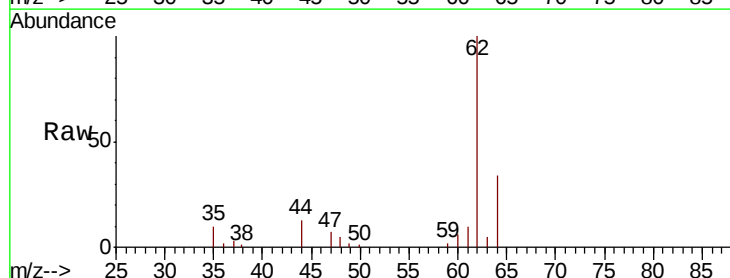
Acq: 09 Mar 2020 18:58

Tgt Ion: 62 Resp: 13324

Ion Ratio Lower Upper

62 100

64 30.0 25.4 38.2



Abundance Ion 62.00 (61.70 to 62.70): VU037133.D (-78) (-)

Ion 64.00 (63.70 to 64.70): VU037133.D (-78) (-)

15000

10000

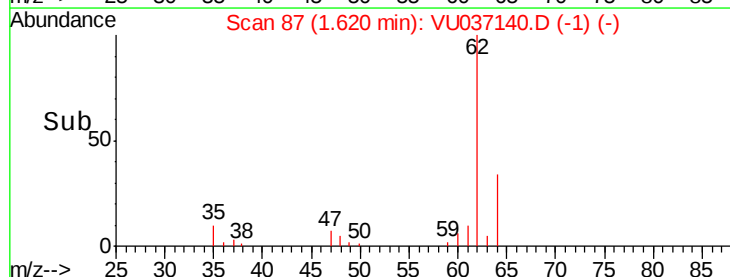
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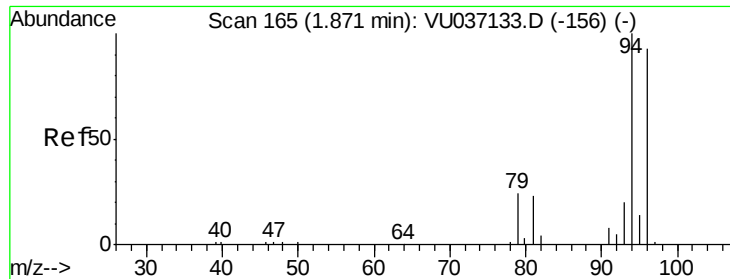
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Time-->

1.60 1.65

1.62

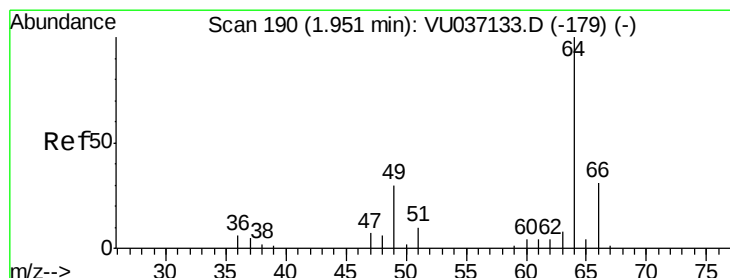
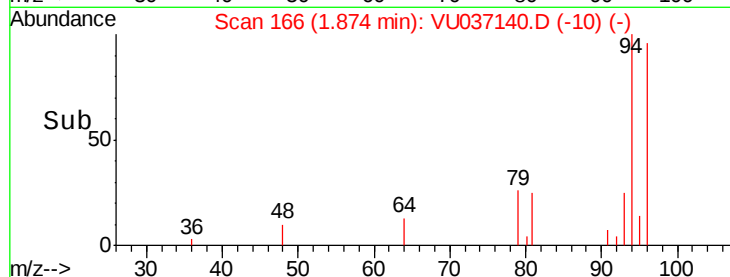
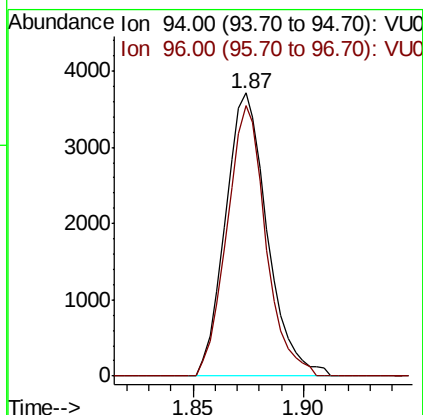
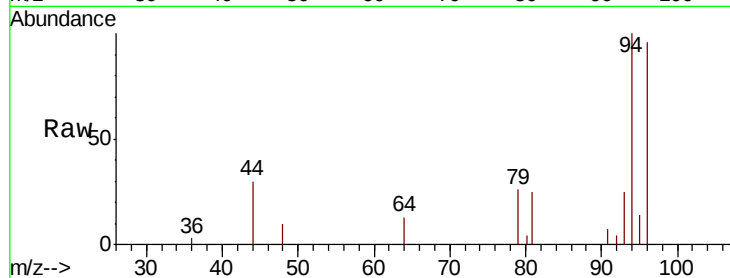




#5
Bromomethane
Concen: 2.040 ug/l
RT: 1.87 min Scan# 166
Delta R.T. 0.00 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

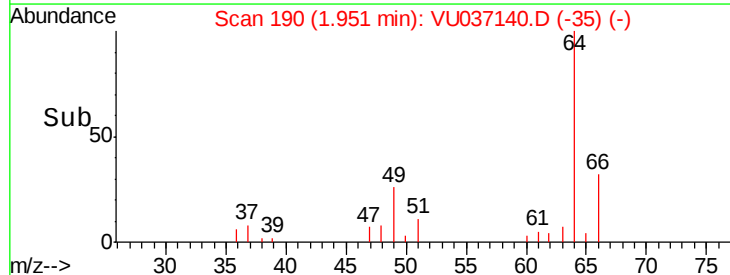
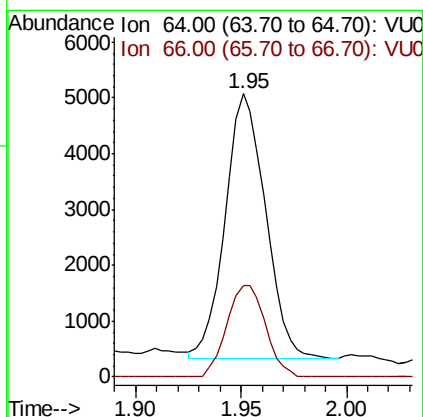
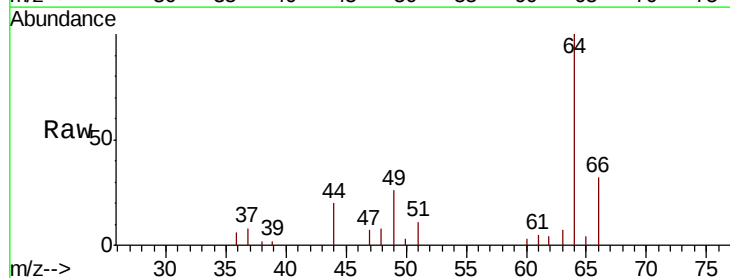
Instrument :
MSVOA_U
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VU0309WBSD01

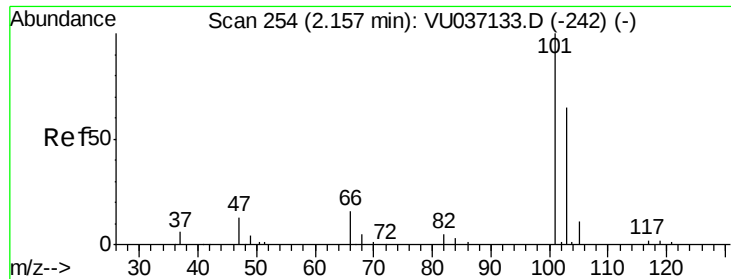
Tot Ion: 94 Resp: 4884
Ion Ratio Lower Upper
94 100
96 95.8 74.6 112.0



#6
Chloroethane
Concen: 1.925 ug/l
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

Tgt Ion: 64 Resp: 6332
Ion Ratio Lower Upper
64 100
66 34.5 25.5 38.3



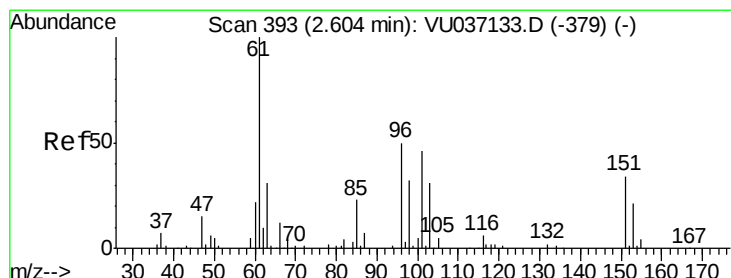
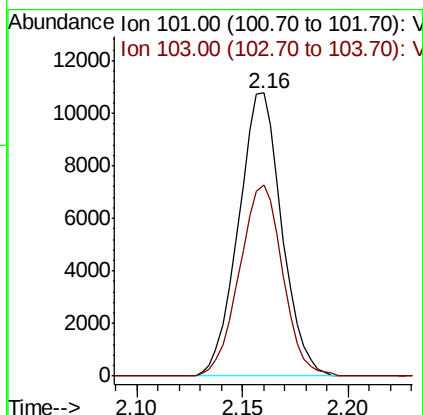
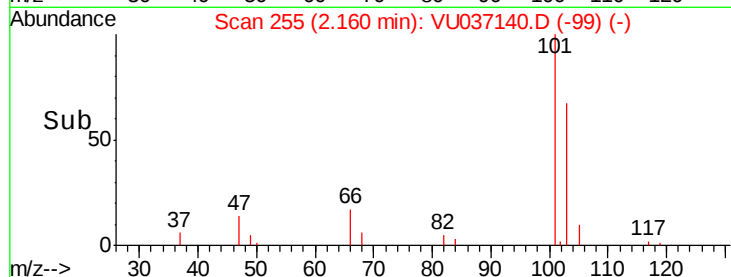
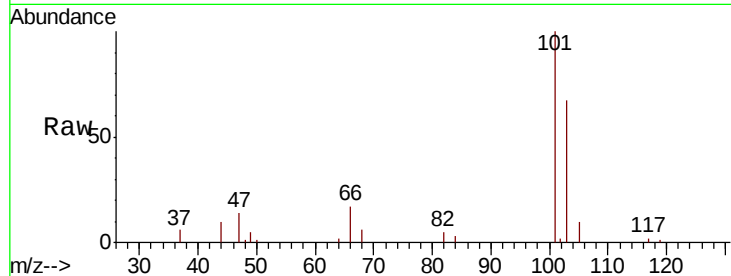


#7

Trichlorofluoromethane
 Concen: 1.845 ug/l
 RT: 2.16 min Scan# 255
 Delta R.T. 0.00 min
 Lab File: VU037140.D
 Acq: 09 Mar 2020 18:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0309WBSD01

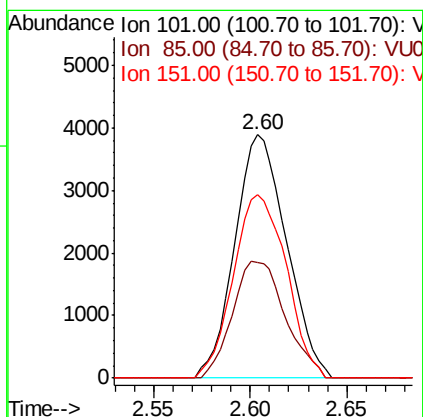
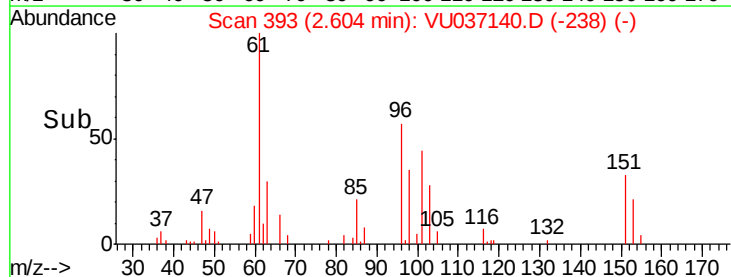
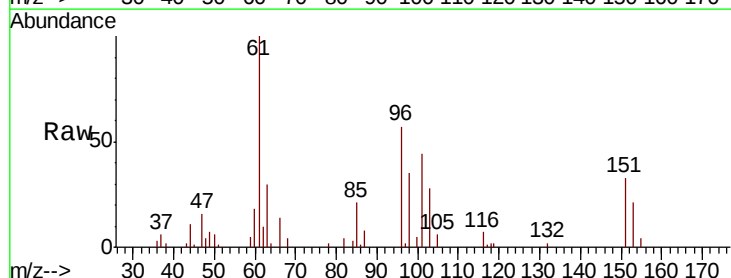
Tot Ion:101 Resp: 15390
 Ion Ratio Lower Upper
 101 100
 103 67.5 53.0 79.6

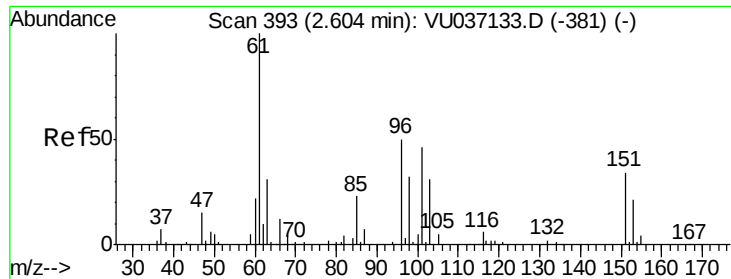


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.846 ug/l
 RT: 2.60 min Scan# 393
 Delta R.T. -0.00 min
 Lab File: VU037140.D
 Acq: 09 Mar 2020 18:58

Tgt Ion:101 Resp: 7226
 Ion Ratio Lower Upper
 101 100
 85 48.9 33.9 50.9
 151 77.2 59.8 89.8





#9

1,1-Dichloroethene

Concen: 2.014 ug/l

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037140.D

Acq: 09 Mar 2020 18:58

Instrument :

MSVOA_U

ClientSampleId :

VU0309WBSD01

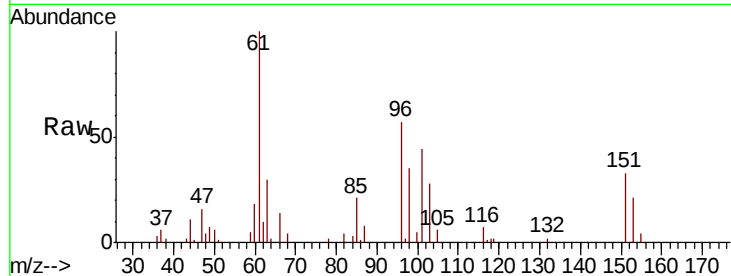
Tot Ion: 96 Resp: 7493

Ion Ratio Lower Upper

96 100

61 176.6 0.0 463.2

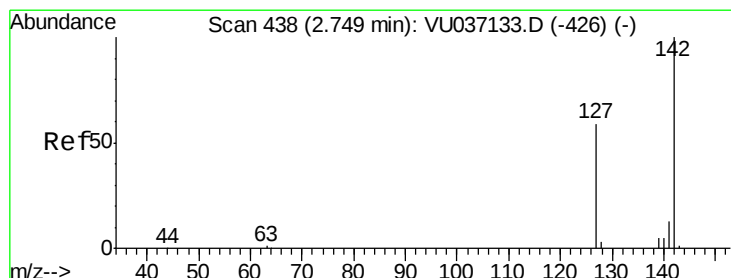
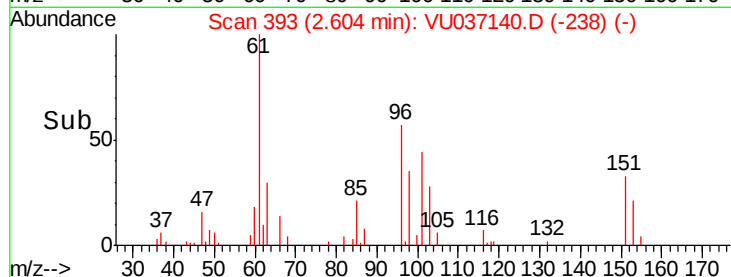
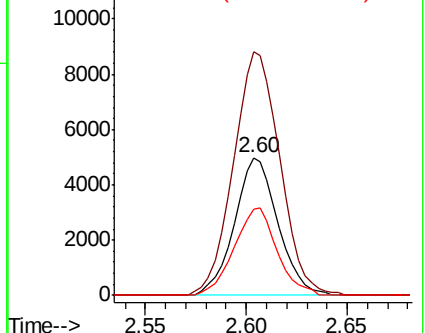
98 62.5 0.0 130.0



Abundance Ion 96.00 (95.70 to 96.70): VU037140.D (-238) (-)

Ion 61.00 (60.70 to 61.70): VU037140.D (-238) (-)

Ion 98.00 (97.70 to 98.70): VU037140.D (-238) (-)



#10

Iodomethane

Concen: 1.128 ug/l

RT: 2.75 min Scan# 439

Delta R.T. 0.00 min

Lab File: VU037140.D

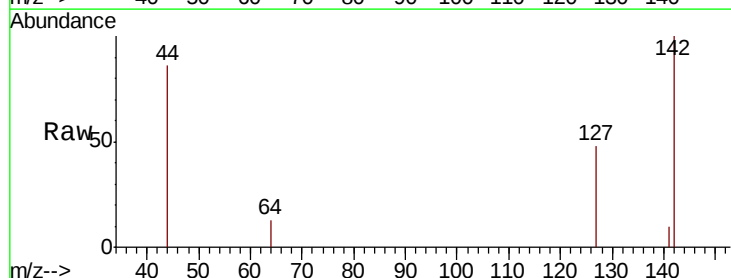
Acq: 09 Mar 2020 18:58

Tgt Ion: 142 Resp: 1824

Ion Ratio Lower Upper

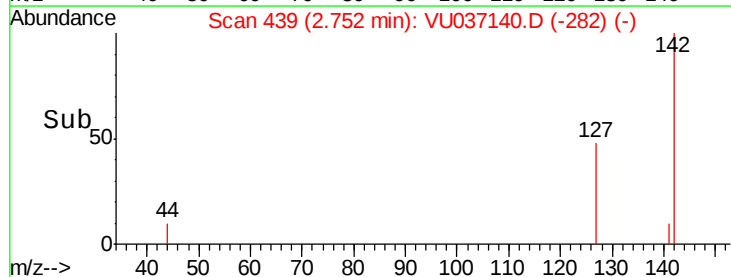
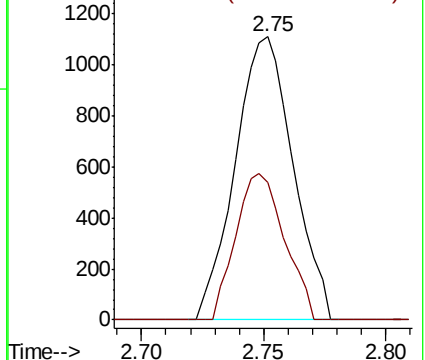
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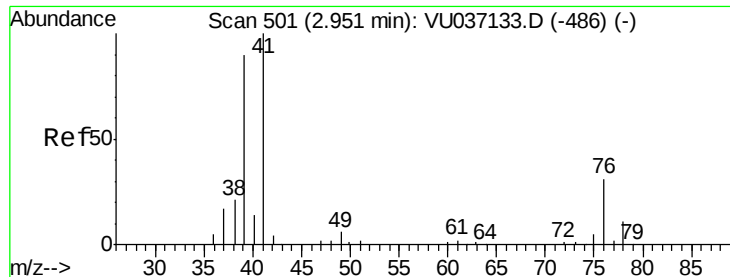
127 43.8 30.3 45.5



Abundance Ion 142.00 (141.70 to 142.70): VU037140.D (-282) (-)

Ion 127.00 (126.70 to 127.70): VU037140.D (-282) (-)

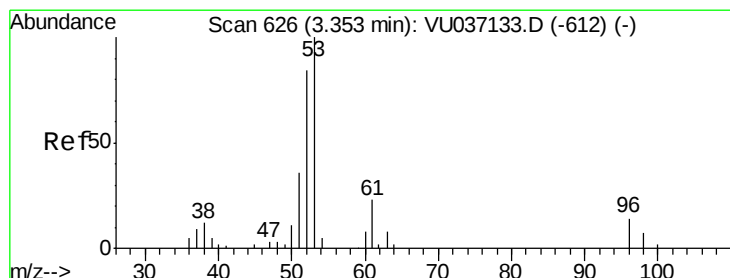
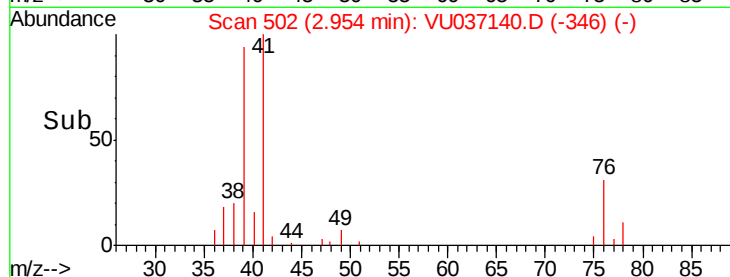
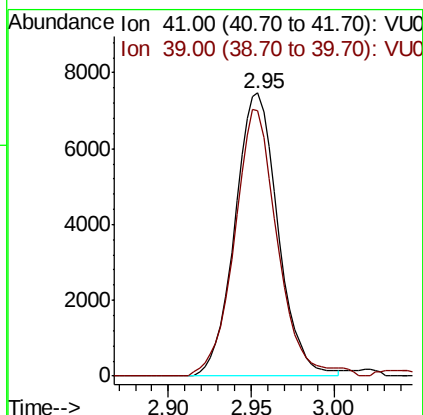
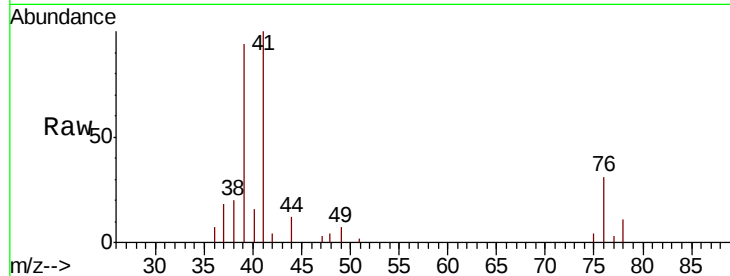




#11
Allvl Chloride
Concen: 1.872 ug/l
RT: 2.95 min Scan# 502
Delta R.T. 0.00 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

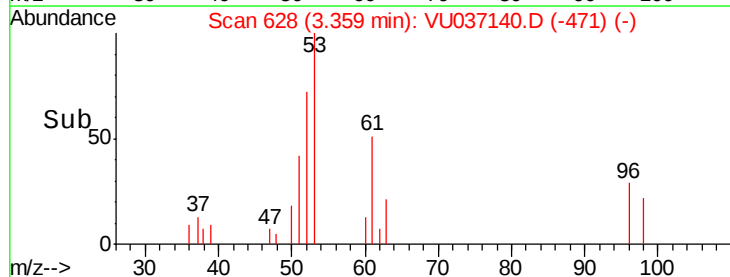
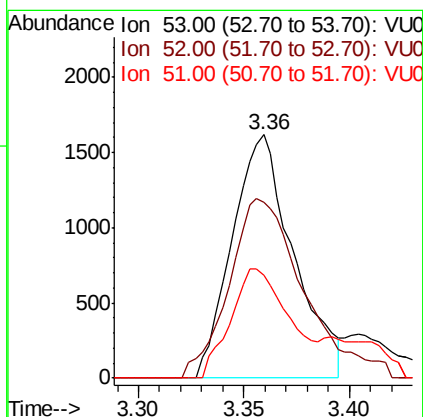
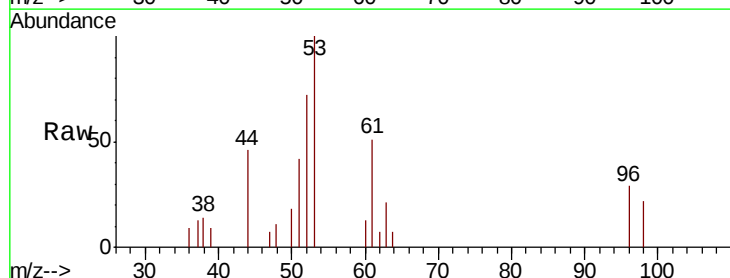
Instrument :
MSVOA_U
ClientSampleId :
VU0309WBSD01

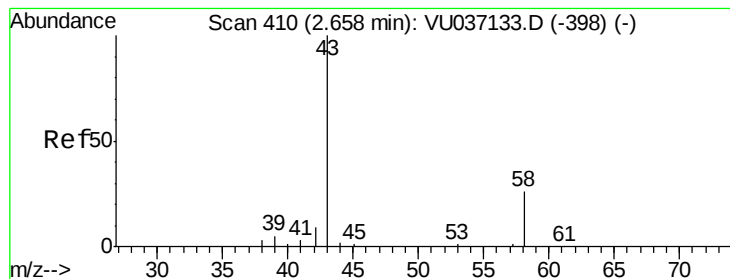
Tot Ion: 41 Resp: 13504
Ion Ratio Lower Upper
41 100
39 93.9 50.7 76.1#



#12
Acrylonitrile
Concen: 3.711 ug/l
RT: 3.36 min Scan# 628
Delta R.T. 0.01 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

Tgt Ion: 53 Resp: 3266
Ion Ratio Lower Upper
53 100
52 89.7 64.6 97.0
51 43.3 27.2 40.8#





#13

Acetone

Concen: 9.192 ug/l

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU037140.D

Acq: 09 Mar 2020 18:58

Instrument :

MSVOA_U

ClientSampleId :

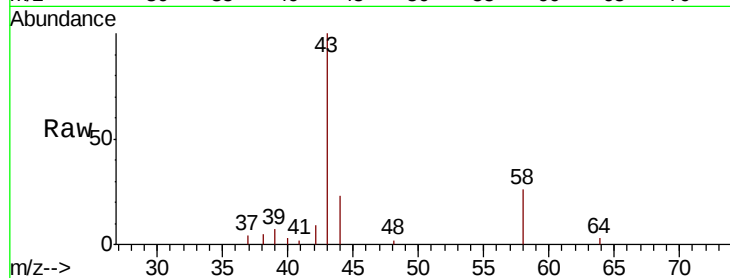
VU0309WBSD01

Tot Ion: 43 Resp: 8993

Ion Ratio Lower Upper

43 100

58 26.3 30.8 46.2#



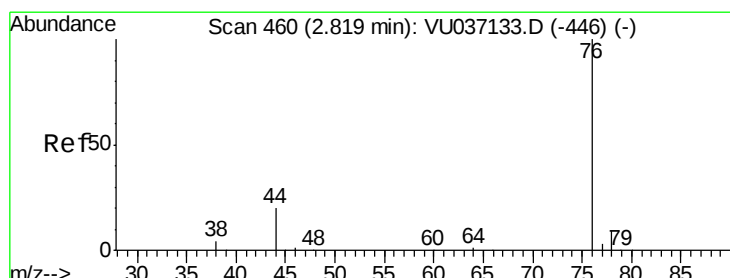
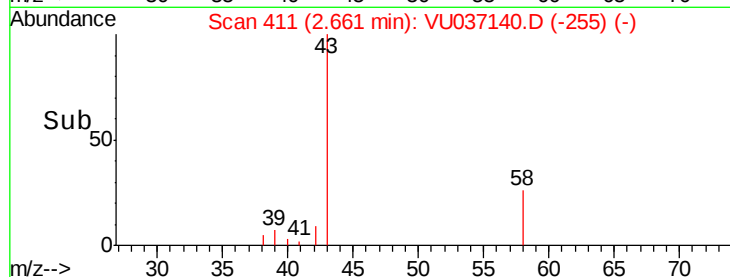
Abundance Ion 43.00 (42.70 to 43.70): VU037140.D (-255) (-)

Ion 58.00 (57.70 to 58.70): VU037140.D (-255) (-)

2.66

Time-->

Time-->



#14

Carbon Disulfide

Concen: 1.818 ug/l

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU037140.D

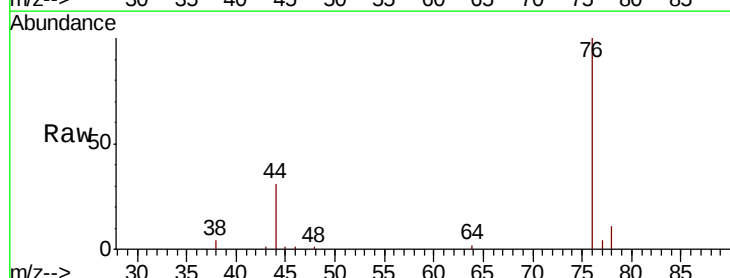
Acq: 09 Mar 2020 18:58

Tgt Ion: 76 Resp: 22534

Ion Ratio Lower Upper

76 100

78 10.9 7.4 11.0



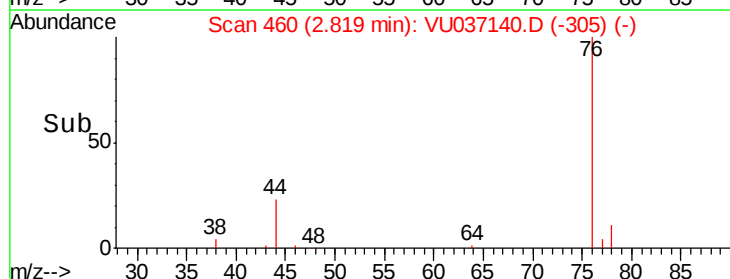
Abundance Ion 76.00 (75.70 to 76.70): VU037140.D (-305) (-)

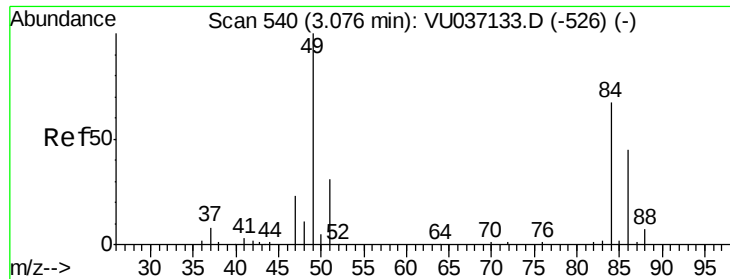
Ion 78.00 (77.70 to 78.70): VU037140.D (-305) (-)

2.82

Time-->

Time-->

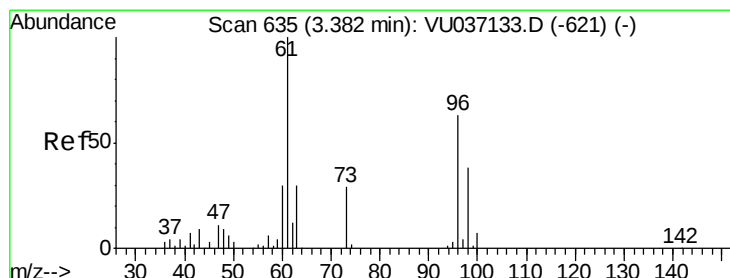
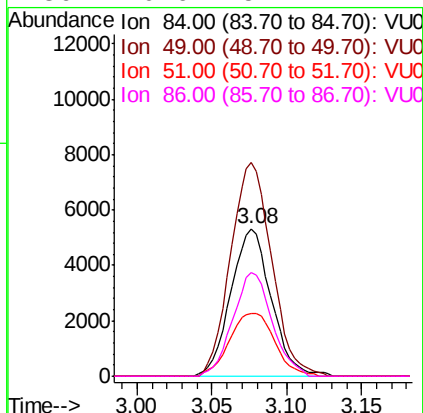
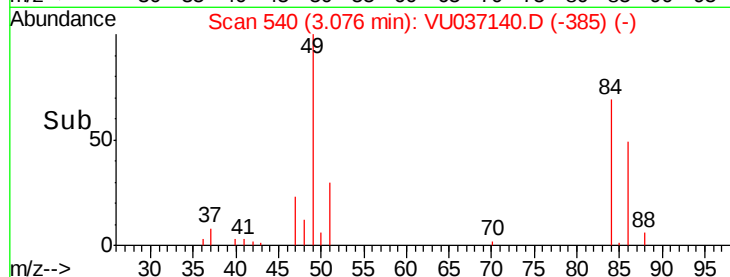
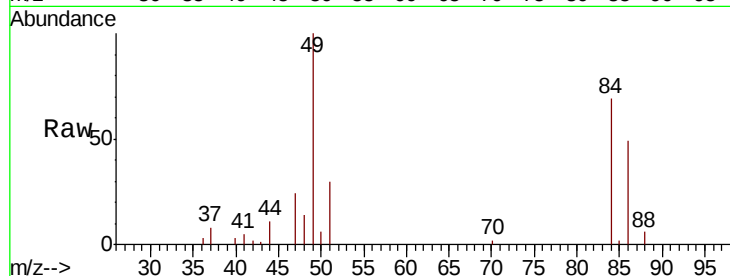




#15
Methvlene Chloride
Concen: 2.150 ug/l
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

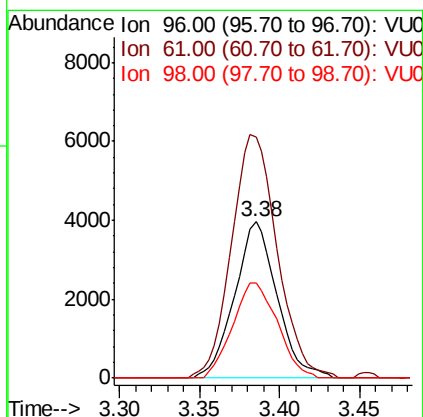
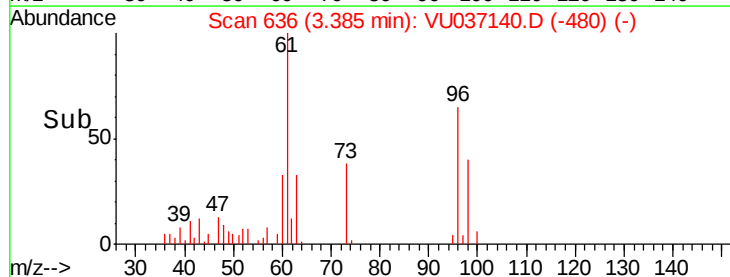
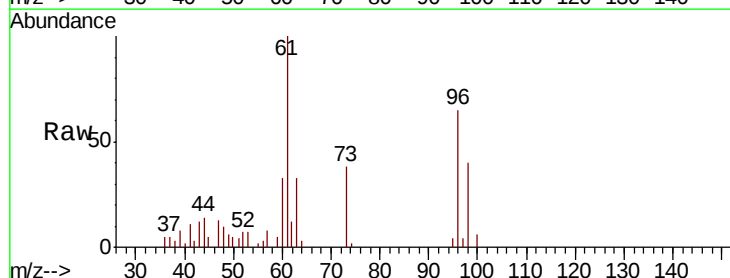
Instrument :
MSVOA_U
ClientSampleId :
VU0309WBSD01

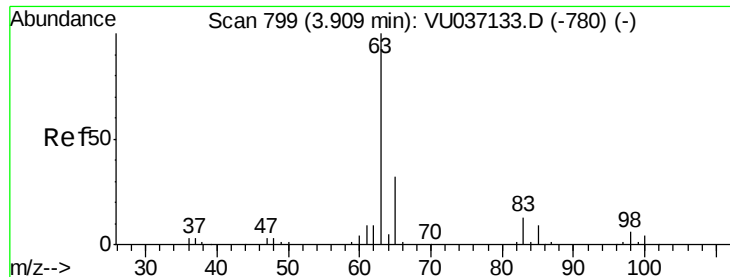
Tot Ion: 84 Resp: 10045
Ion Ratio Lower Upper
84 100
49 144.7 89.7 134.5#
51 42.8 0.0 71.6
86 70.6 51.4 77.2



#16
trans-1,2-Dichloroethene
Concen: 1.813 ug/l
RT: 3.38 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

Tgt Ion: 96 Resp: 7165
Ion Ratio Lower Upper
96 100
61 154.3 110.8 166.2
98 61.1 50.3 75.5

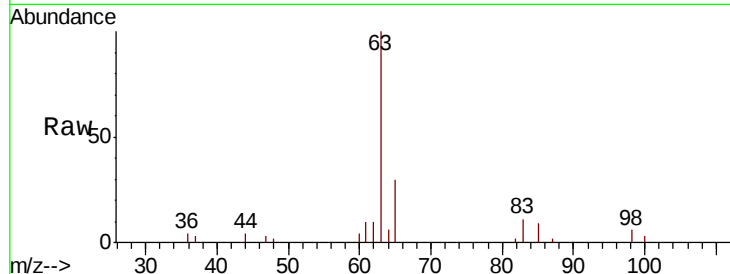




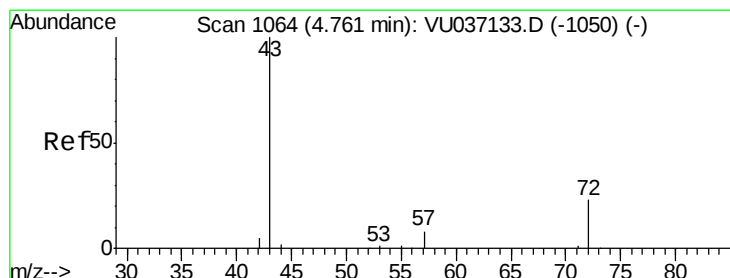
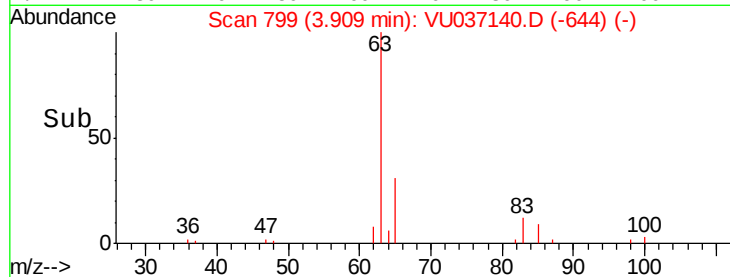
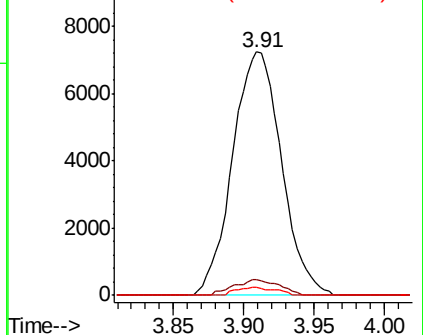
#17
 1,1-Dichloroethane
 Concen: 1.915 ug/l
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU037140.D
 Acq: 09 Mar 2020 18:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0309WBSD01

Tot Ion: 63 Resp: 17548
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.5 10.5
 100 3.2 2.4 7.1

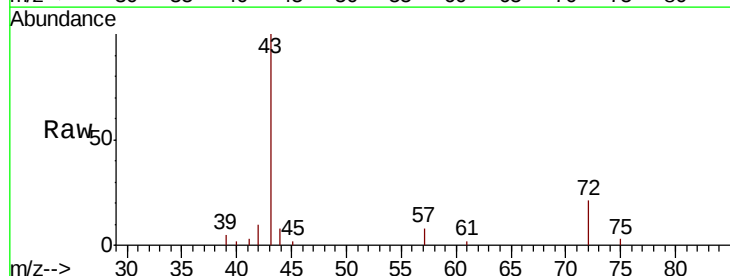


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

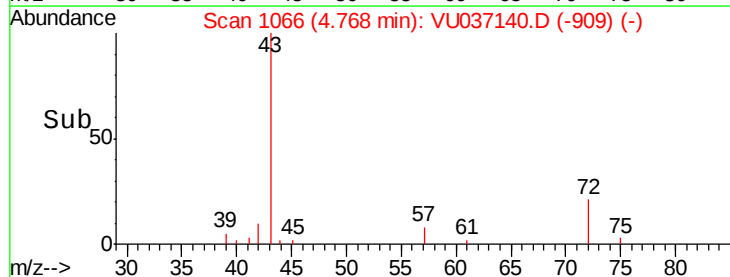
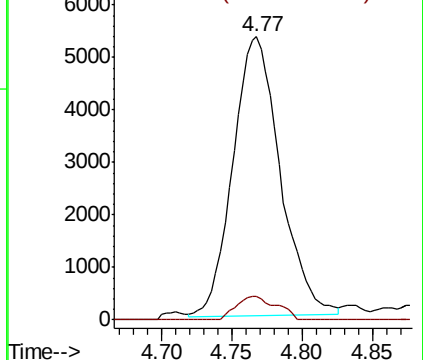


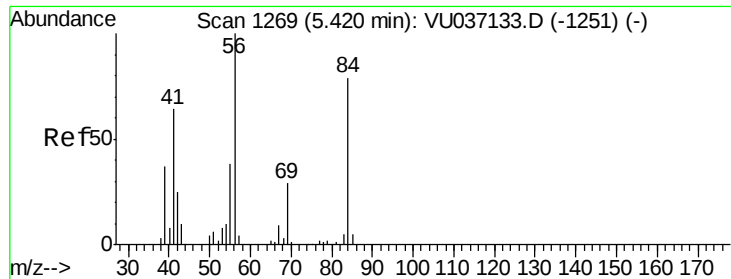
#18
 2-Butanone
 Concen: 8.367 ug/l
 RT: 4.77 min Scan# 1066
 Delta R.T. 0.01 min
 Lab File: VU037140.D
 Acq: 09 Mar 2020 18:58

Tgt Ion: 43 Resp: 12512
 Ion Ratio Lower Upper
 43 100
 57 8.5 0.0 17.8



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

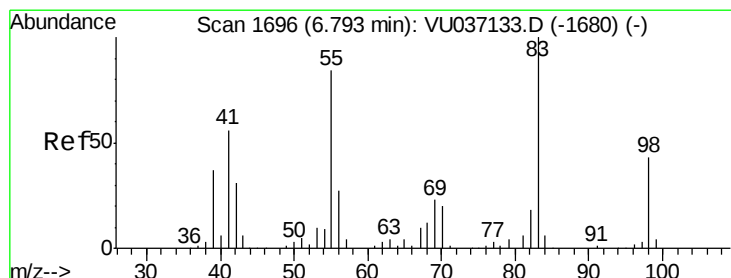
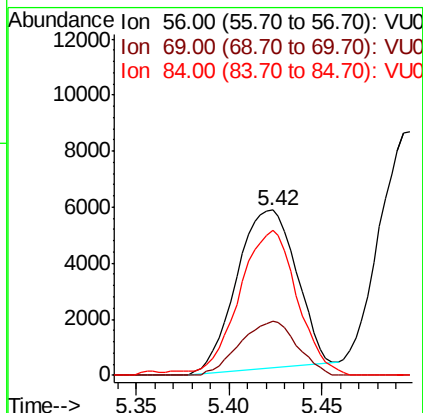
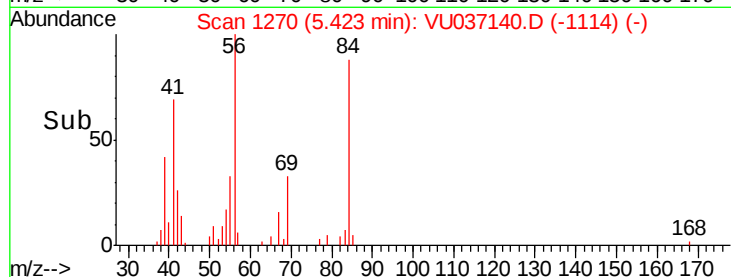
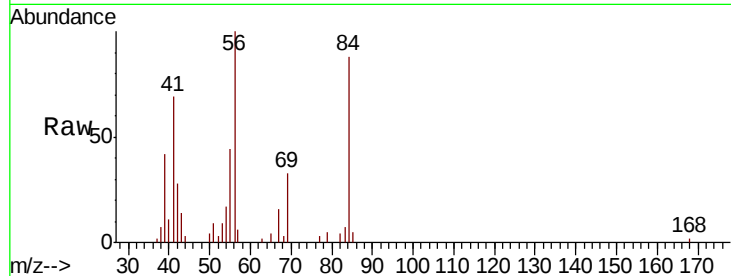




#19
Cyclohexane
Concen: 1.630 ug/l
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

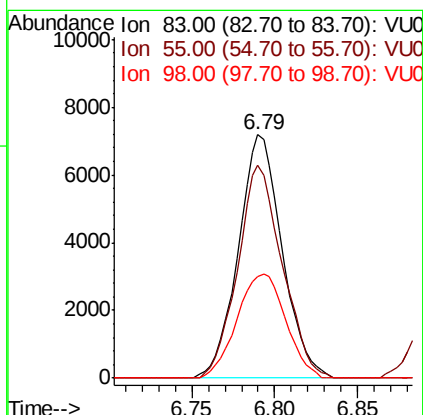
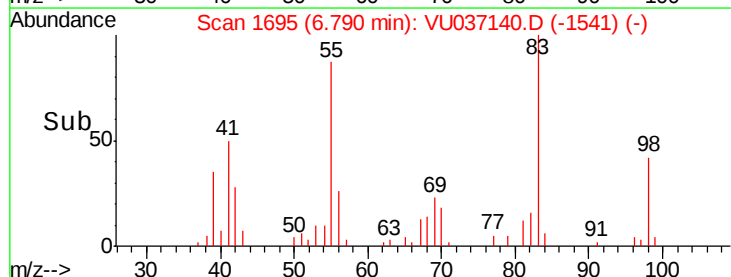
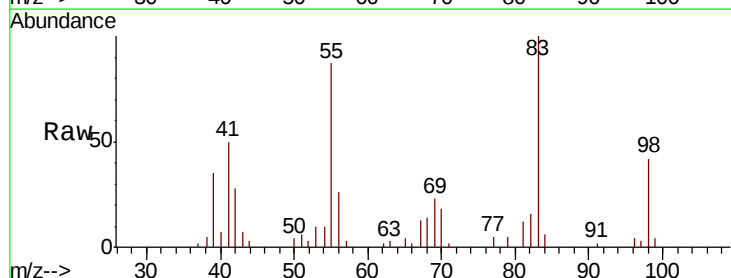
Instrument :
MSVOA_U
ClientSampleId :
VU0309WBSD01

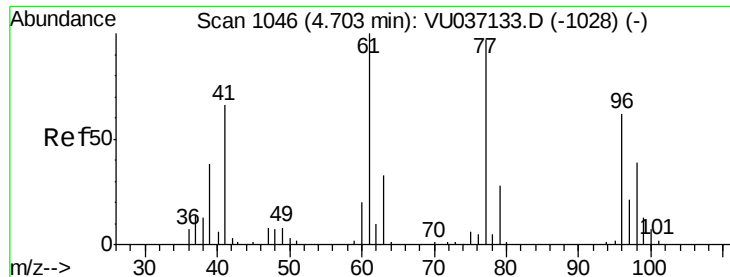
Tot Ion: 56 Resp: 12717
Ion Ratio Lower Upper
56 100
69 32.3 26.2 39.2
84 85.3 72.8 109.2



#20
Methylcyclohexane
Concen: 1.709 ug/l
RT: 6.79 min Scan# 1695
Delta R.T. -0.00 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

Tgt Ion: 83 Resp: 13172
Ion Ratio Lower Upper
83 100
55 88.6 56.6 85.0#
98 47.6 37.5 56.3

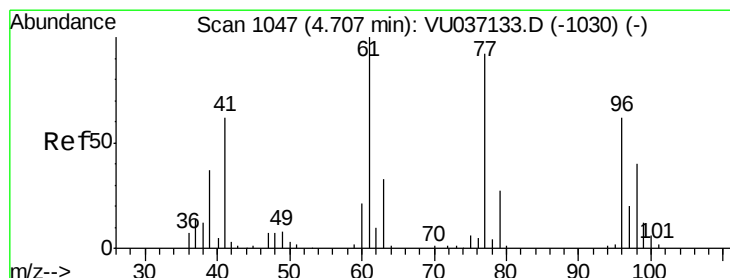
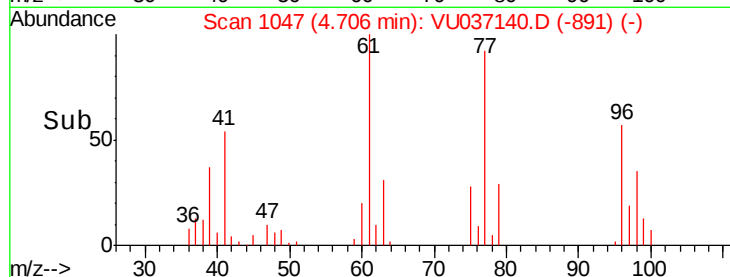
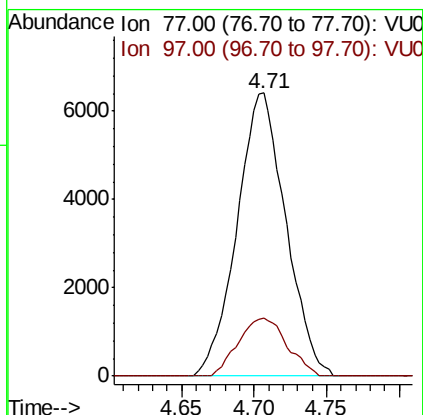
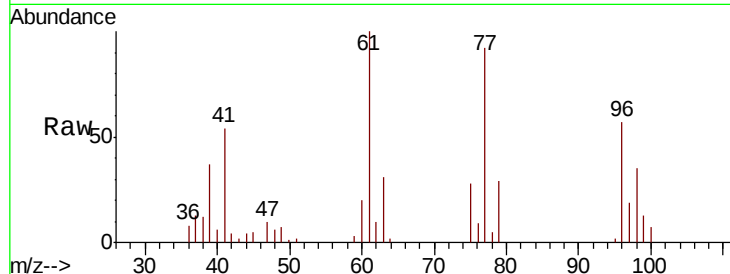




#21
 2,2-Dichloropropane
 Concen: 1.791 ug/l
 RT: 4.71 min Scan# 1047
 Delta R.T. 0.00 min
 Lab File: VU037140.D
 Acq: 09 Mar 2020 18:58

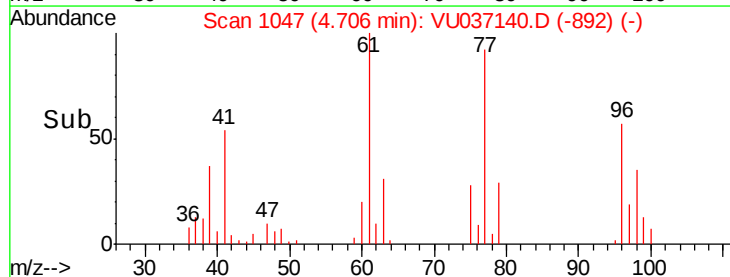
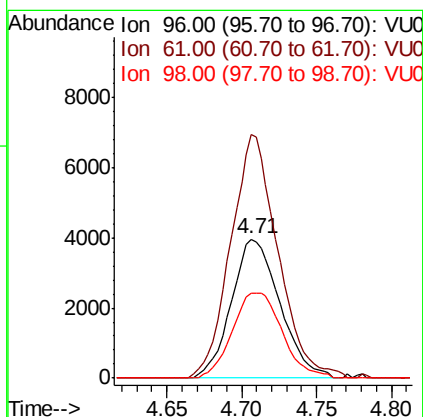
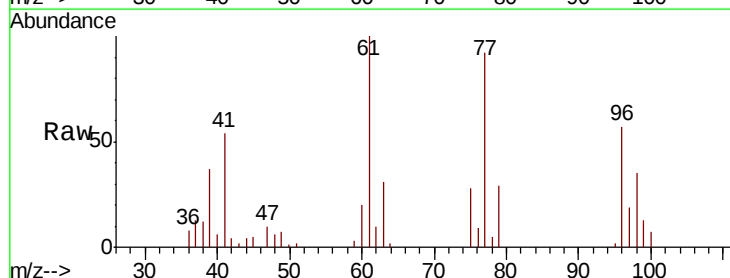
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0309WBSD01

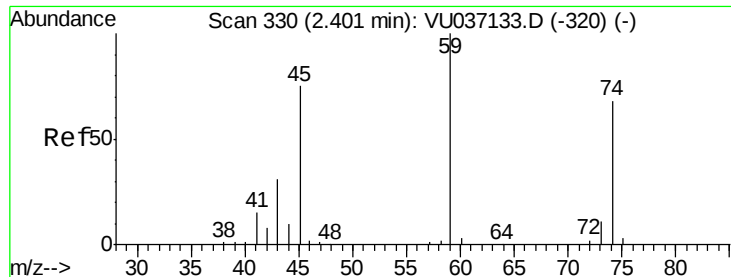
Tot Ion: 77 Resp: 14970
 Ion Ratio Lower Upper
 77 100
 97 20.5 19.0 28.4



#22
 cis-1,2-Dichloroethene
 Concen: 1.825 ug/l
 RT: 4.71 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: VU037140.D
 Acq: 09 Mar 2020 18:58

Tgt Ion: 96 Resp: 8932
 Ion Ratio Lower Upper
 96 100
 61 170.2 0.0 342.0
 98 63.1 32.0 96.0





#23

Diethyl Ether

Concen: 1.867 ug/l

RT: 2.40 min Scan# 331

Delta R.T. 0.00 min

Lab File: VU037140.D

Acq: 09 Mar 2020 18:58

Instrument :

MSVOA_U

ClientSampleId :

VU0309WBSD01

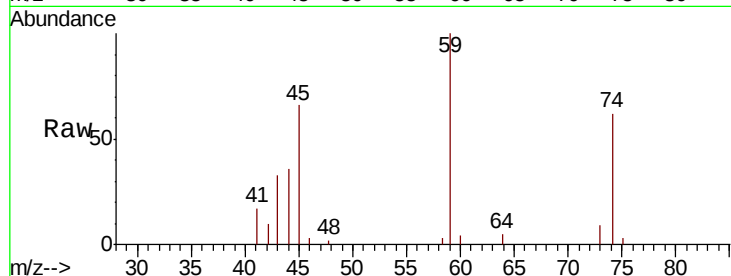
Tot Ion: 59 Resp: 5885

Ion Ratio Lower Upper

59 100

45 74.3 52.4 78.6

74 68.2 62.1 93.1

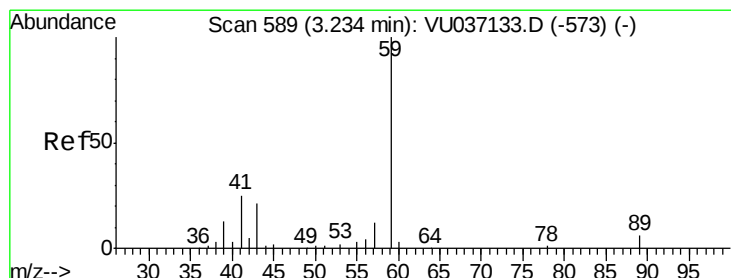
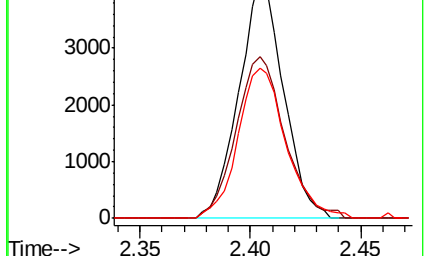
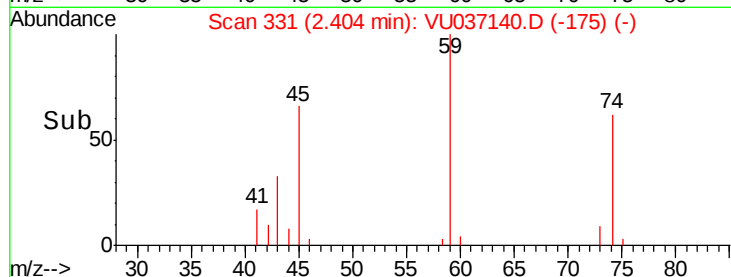


Abundance Ion 59.00 (58.70 to 59.70): VU037140.D (-175) (-)

Ion 45.00 (44.70 to 45.70): VU037140.D (-175) (-)

Ion 74.00 (73.70 to 74.70): VU037140.D (-175) (-)

Time-->



#24

tert-Butyl Alcohol

Concen: 26.191 ug/l

RT: 3.24 min Scan# 590

Delta R.T. 0.00 min

Lab File: VU037140.D

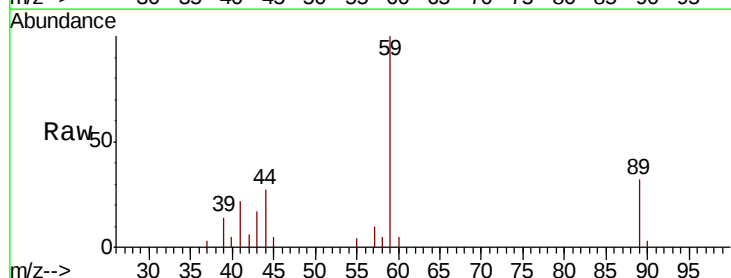
Acq: 09 Mar 2020 18:58

Tgt Ion: 59 Resp: 9027

Ion Ratio Lower Upper

59 100

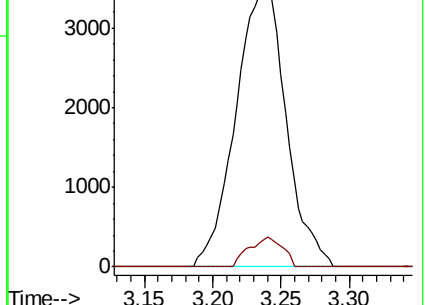
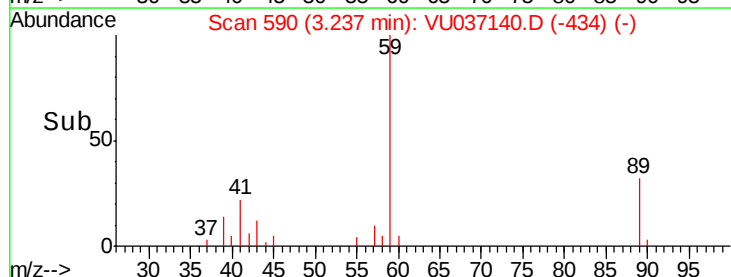
57 7.1 8.4 12.6#

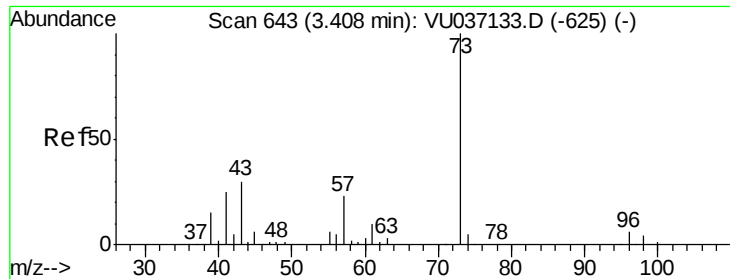


Abundance Ion 59.00 (58.70 to 59.70): VU037140.D (-434) (-)

Ion 57.00 (56.70 to 57.70): VU037140.D (-434) (-)

Time-->



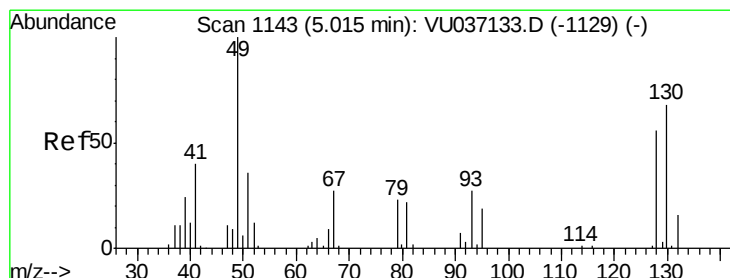
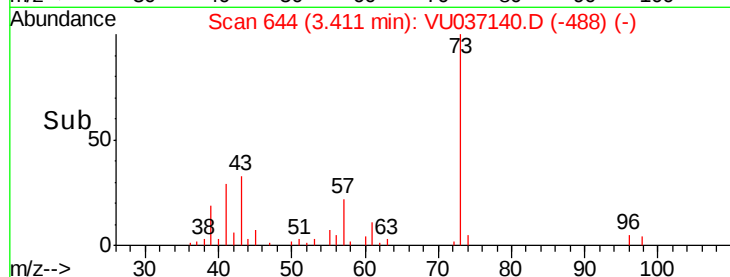
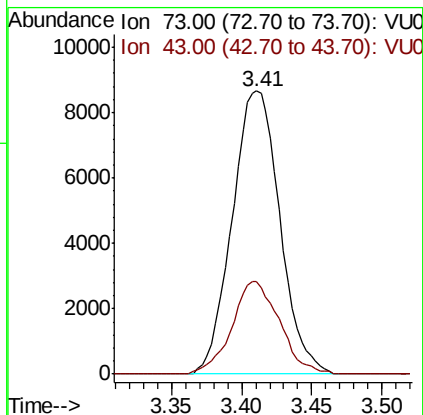
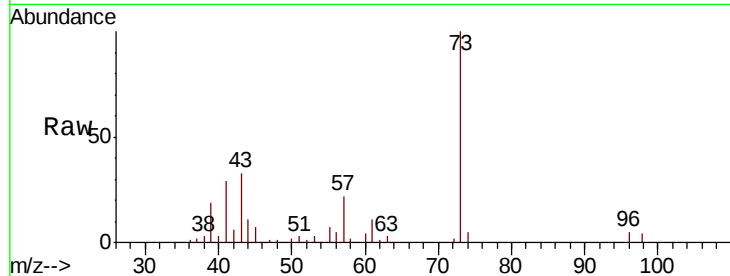


#25

Methyl tert-Butyl Ether
 Concen: 1.878 ug/l
 RT: 3.41 min Scan# 644
 Delta R.T. 0.00 min
 Lab File: VU037140.D
 Acq: 09 Mar 2020 18:58

Instrument :
 MSVOA_U
 ClientSampleID :
 VU0309WBSD01

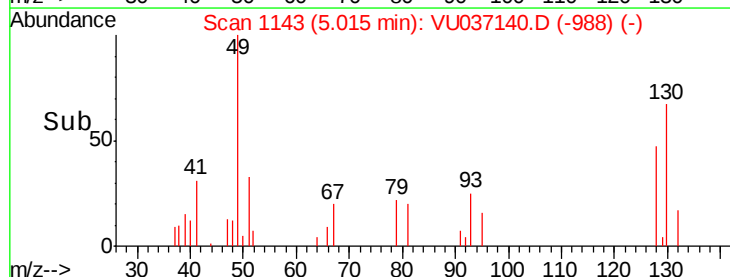
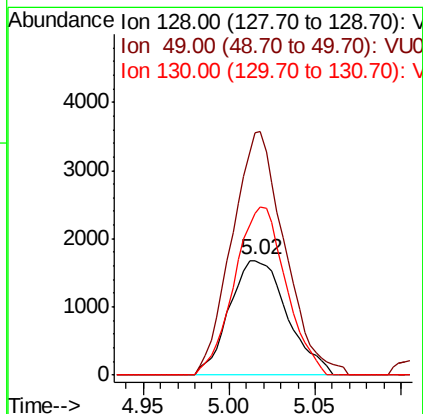
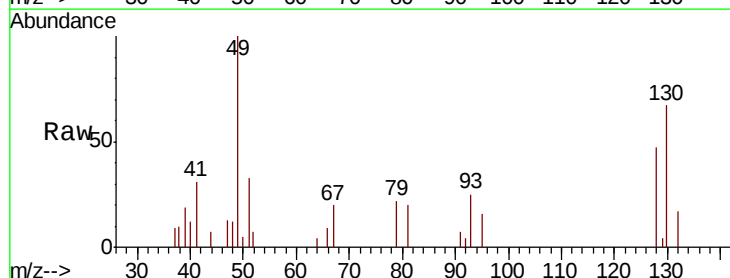
Tot Ion: 73 Resp: 20473
 Ion Ratio Lower Upper
 73 100
 43 32.8 14.5 21.7#

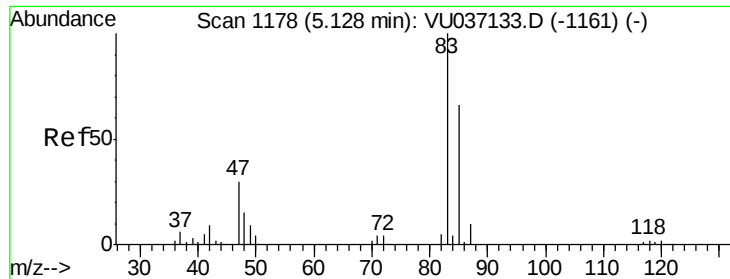


#26

Bromochloromethane
 Concen: 1.820 ug/l
 RT: 5.02 min Scan# 1143
 Delta R.T. -0.00 min
 Lab File: VU037140.D
 Acq: 09 Mar 2020 18:58

Tgt Ion: 128 Resp: 3922
 Ion Ratio Lower Upper
 128 100
 49 193.7 0.0 286.2
 130 130.7 104.3 156.5

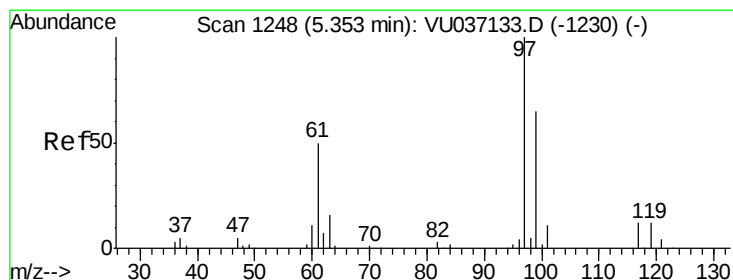
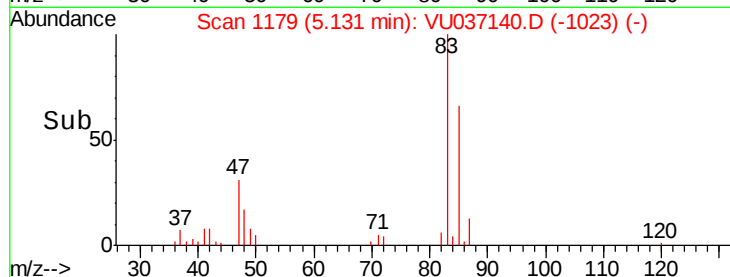
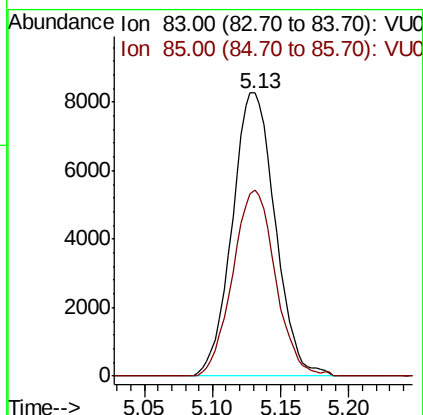
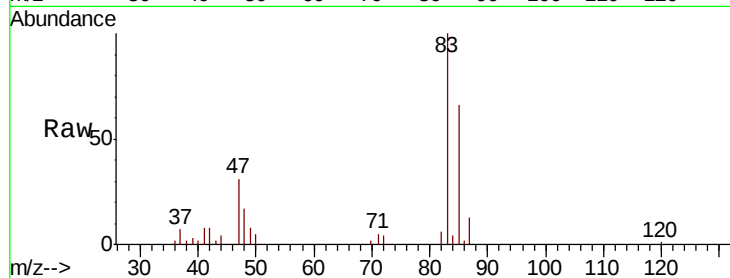




#27
 Chloroform
 Concen: 1.834 ug/l
 RT: 5.13 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VU037140.D
 Acq: 09 Mar 2020 18:58

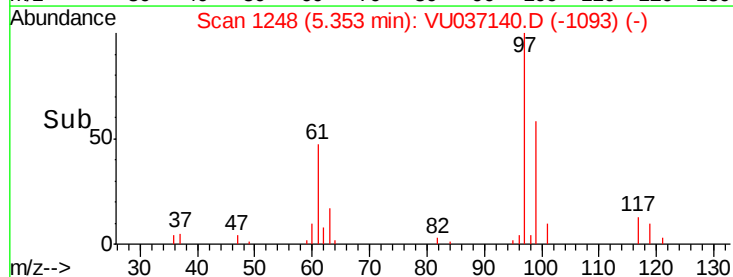
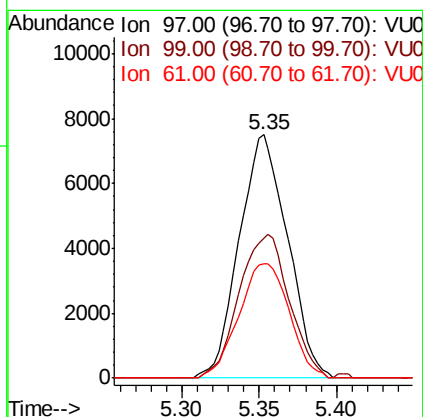
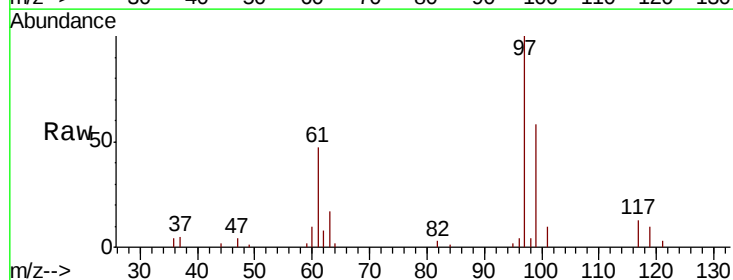
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0309WBSD01

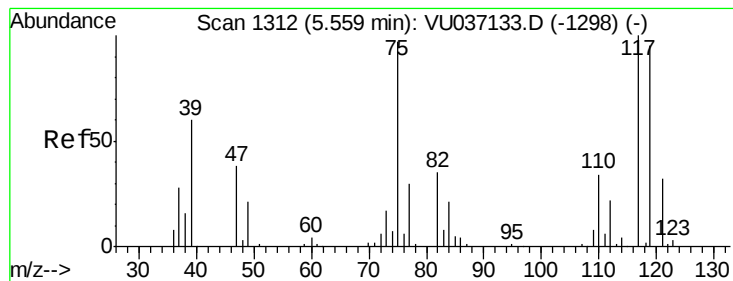
Tot Ion: 83 Resp: 18091
 Ion Ratio Lower Upper
 83 100
 85 65.9 0.0 129.0



#28
 1,1,1-Trichloroethane
 Concen: 1.938 ug/l
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU037140.D
 Acq: 09 Mar 2020 18:58

Tgt Ion: 97 Resp: 16297
 Ion Ratio Lower Upper
 97 100
 99 61.2 32.1 96.3
 61 49.0 22.7 68.0





#29

1,1-Dichloropropene

Concen: 1.788 ug/l

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU037140.D

Acq: 09 Mar 2020 18:58

Instrument :

MSVOA_U

ClientSampleId :

VU0309WBSD01

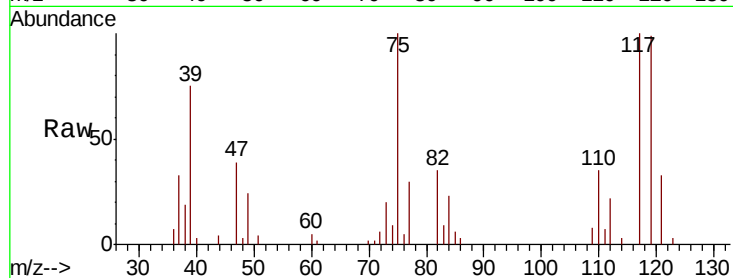
Tot Ion: 75 Resp: 12222

Ion Ratio Lower Upper

75 100

110 34.6 18.6 55.8

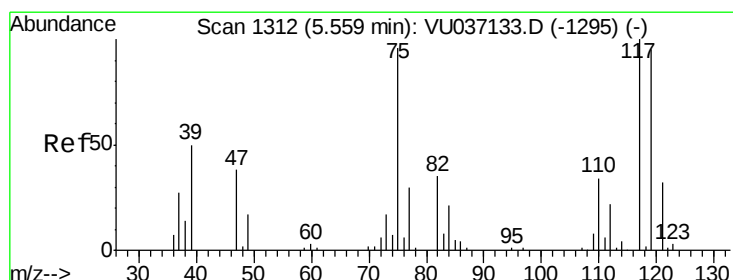
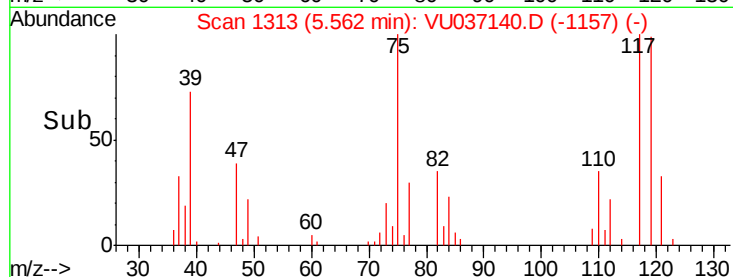
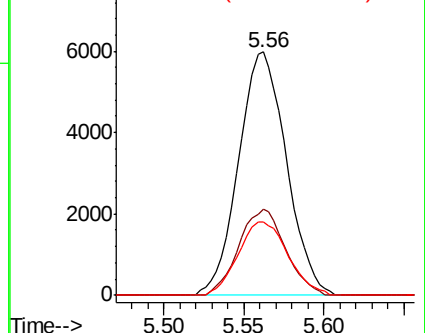
77 31.4 25.0 37.4



Abundance Ion 75.00 (74.70 to 75.70): VU037133.D (-1298) (-)

Ion 110.00 (109.70 to 110.70): VU037133.D (-1298) (-)

Ion 77.00 (76.70 to 77.70): VU037133.D (-1298) (-)



#30

Carbon Tetrachloride

Concen: 1.860 ug/l

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU037140.D

Acq: 09 Mar 2020 18:58

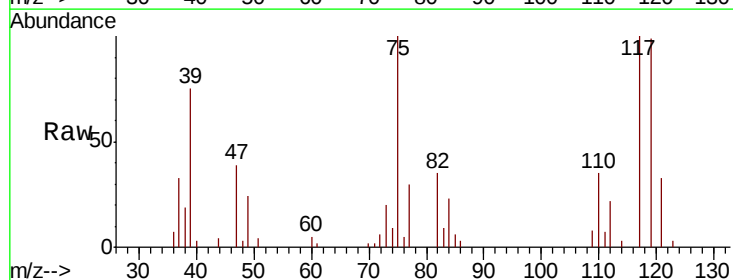
Tgt Ion: 117 Resp: 13687

Ion Ratio Lower Upper

117 100

119 98.8 77.0 115.6

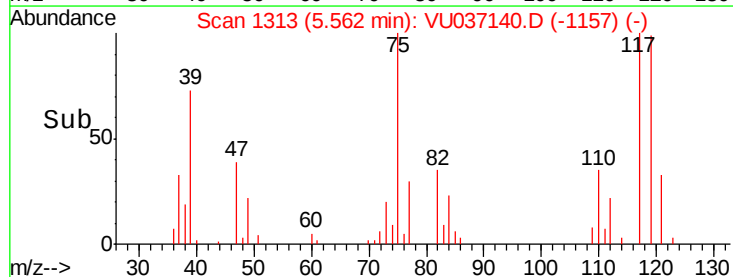
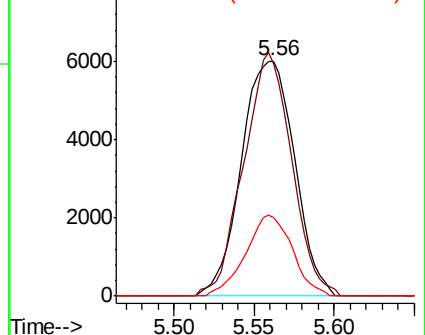
121 33.2 23.3 34.9

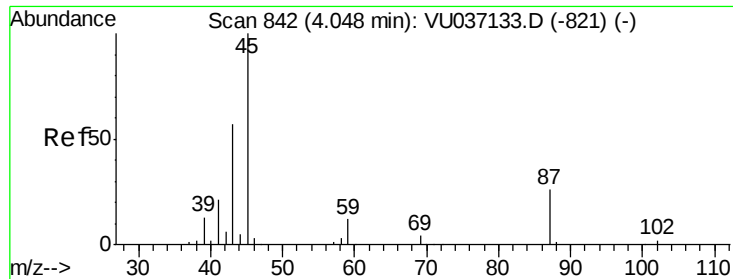


Abundance Ion 117.00 (116.70 to 117.70): VU037133.D (-1295) (-)

Ion 119.00 (118.70 to 119.70): VU037133.D (-1295) (-)

Ion 121.00 (120.70 to 121.70): VU037133.D (-1295) (-)





#31

Isopropyl Ether

Concen: 1.818 ug/l

RT: 4.05 min Scan# 842

Delta R.T. -0.00 min

Lab File: VU037140.D

Acq: 09 Mar 2020 18:58

Instrument :

MSVOA_U

ClientSampleId :

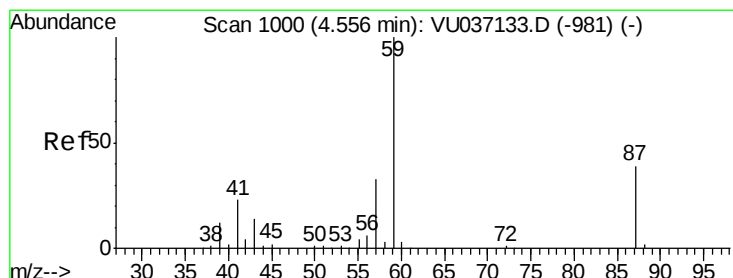
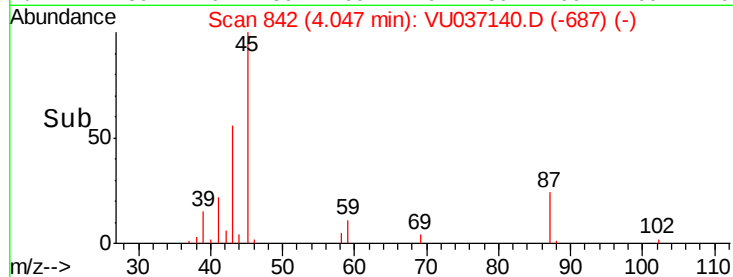
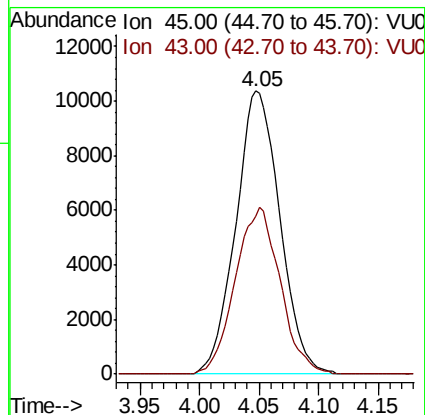
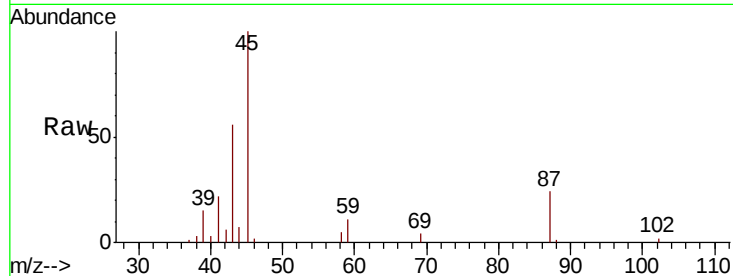
VU0309WBSD01

Tot Ion: 45 Resp: 26589

Ion Ratio Lower Upper

45 100

43 59.9 24.0 72.0



#32

Ethyl-t-butyl ether

Concen: 1.768 ug/l

RT: 4.56 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VU037140.D

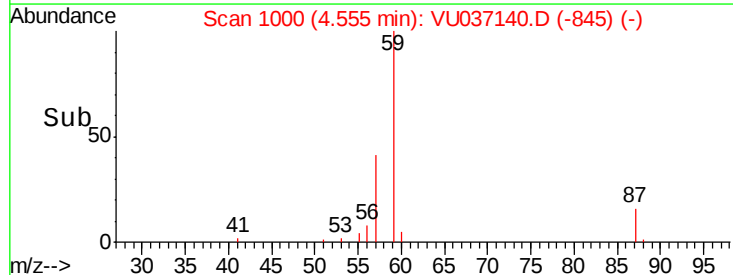
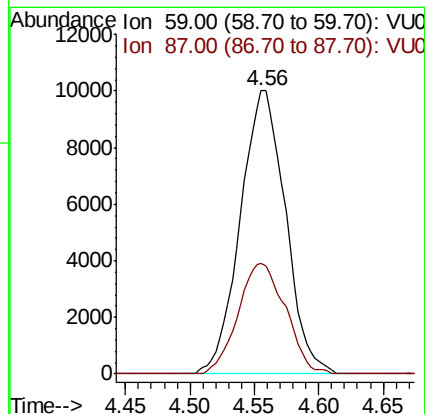
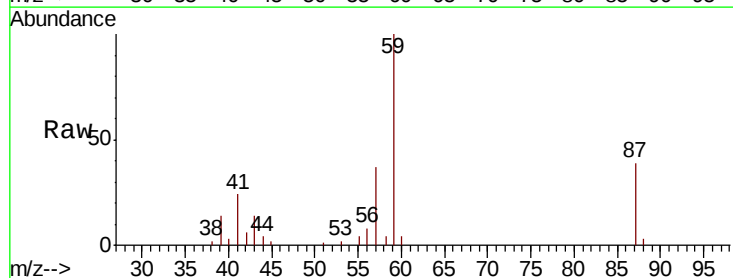
Acq: 09 Mar 2020 18:58

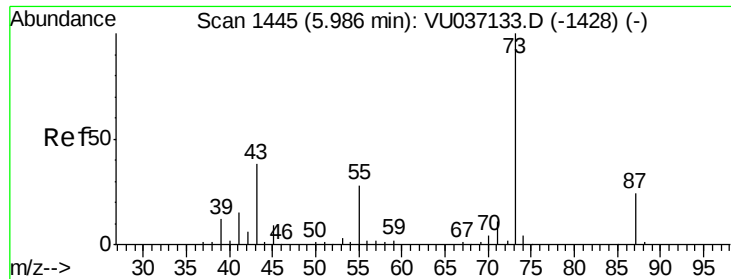
Tgt Ion: 59 Resp: 24411

Ion Ratio Lower Upper

59 100

87 40.8 35.1 52.7

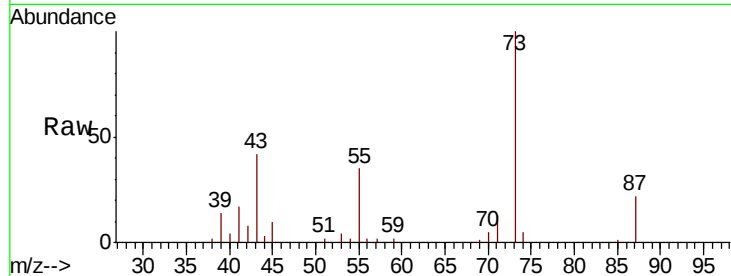




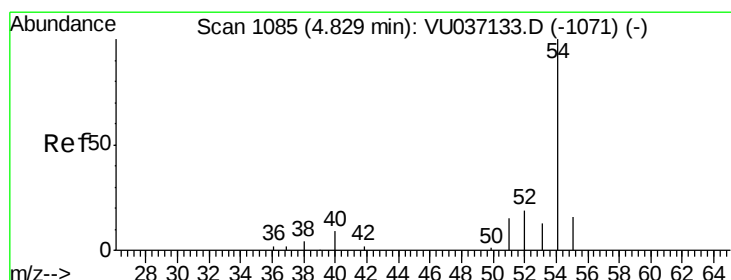
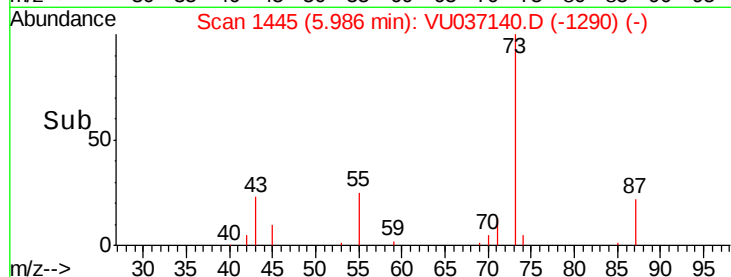
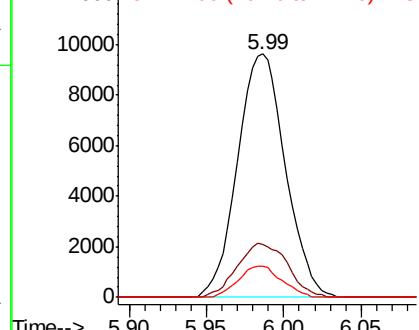
#33
Tert-Butyl methyl ether
Concen: 1.746 ug/l
RT: 5.99 min Scan# 1445
Delta R.T. -0.00 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

Instrument :
MSVOA_U
ClientSampleId :
VU0309WBSD01

Tot Ion: 73 Resp: 20690
Ion Ratio Lower Upper
73 100
87 23.4 19.8 29.6
71 11.6 9.1 13.7

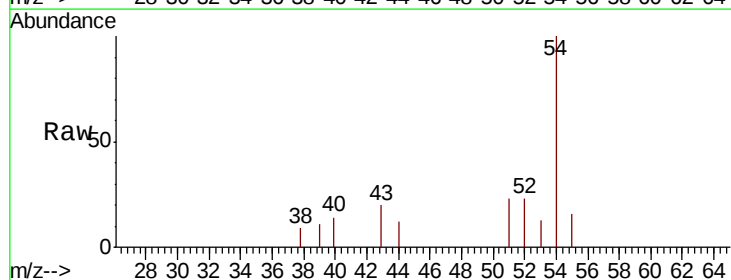


Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 71.00 (70.70 to 71.70): VU0

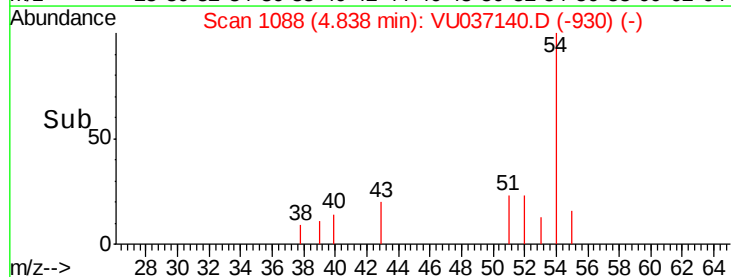
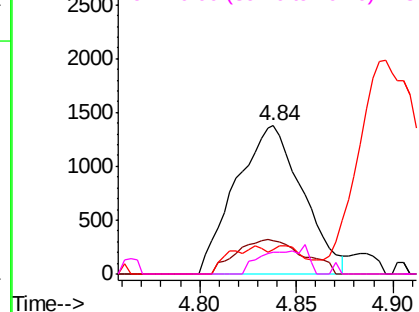


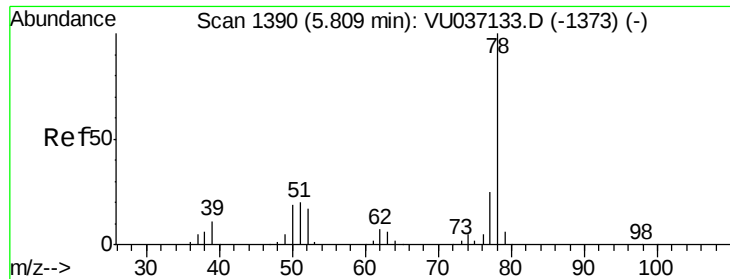
#34
Propionitrile
Concen: 8.406 ug/l
RT: 4.84 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

Tgt Ion: 54 Resp: 3306
Ion Ratio Lower Upper
54 100
52 23.4 15.2 22.8#
55 10.6 9.5 14.3
40 11.6 4.6 6.8#



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





#35

Benzene

Concen: 1.867 ug/l

RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU037140.D

Acq: 09 Mar 2020 18:58

Instrument :

MSVOA_U

ClientSampleId :

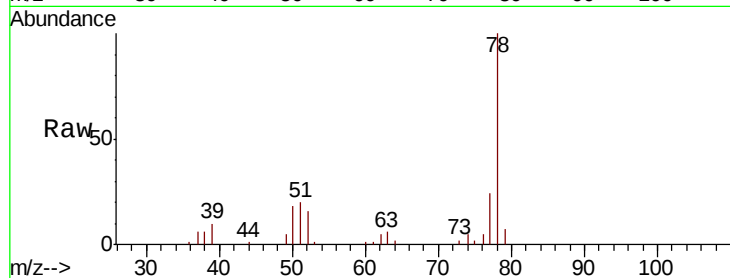
VU0309WBSD01

Tot Ion: 78 Resp: 36258

Ion Ratio Lower Upper

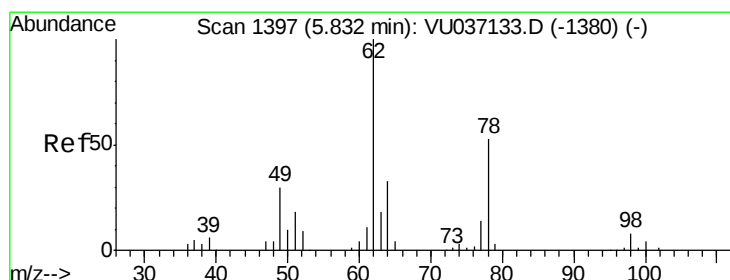
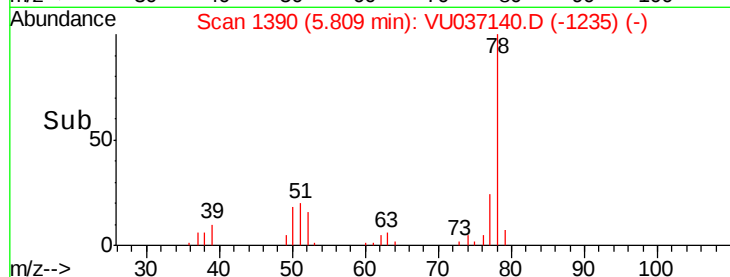
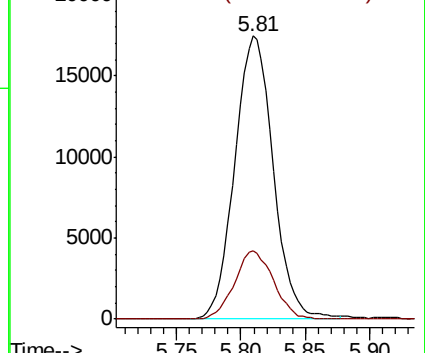
78 100

77 24.3 19.4 29.0



Abundance Ion 78.10 (77.80 to 78.80): VU037140.D (-1235) (-)

Ion 77.00 (76.70 to 77.70): VU037140.D (-1235) (-)



#36

1,2-Dichloroethane

Concen: 1.855 ug/l

RT: 5.84 min Scan# 1398

Delta R.T. 0.00 min

Lab File: VU037140.D

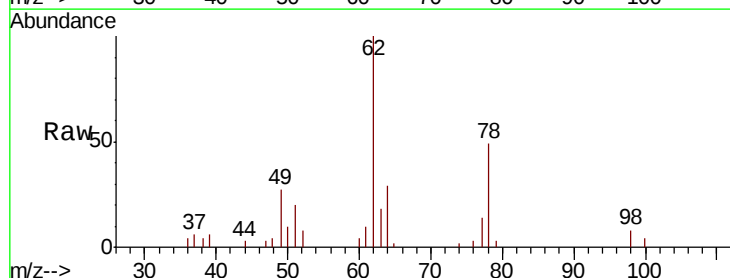
Acq: 09 Mar 2020 18:58

Tgt Ion: 62 Resp: 13053

Ion Ratio Lower Upper

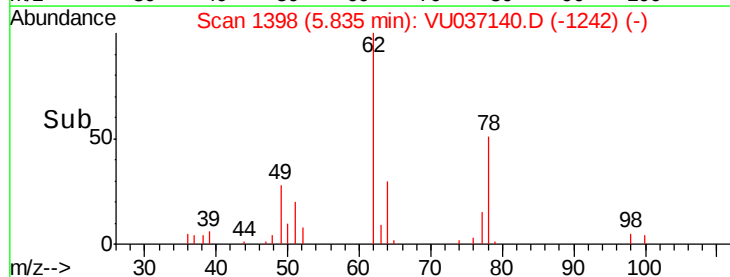
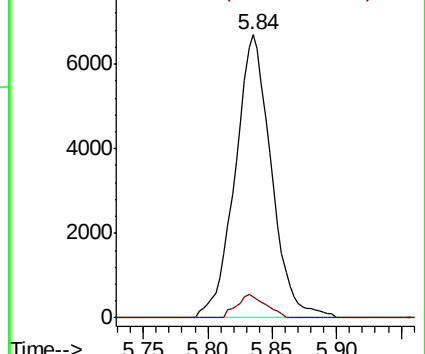
62 100

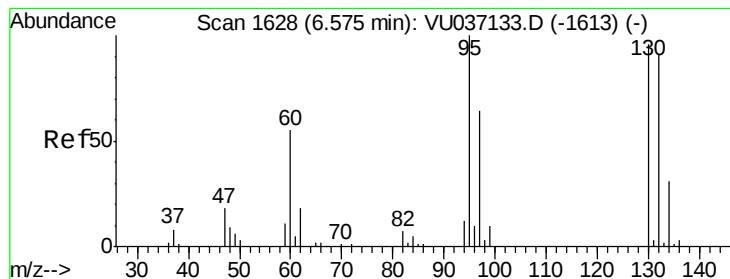
98 6.6 7.8 11.8#



Abundance Ion 62.00 (61.70 to 62.70): VU037140.D (-1242) (-)

Ion 98.00 (97.70 to 98.70): VU037140.D (-1242) (-)





#37

Trichloroethene

Concen: 1.782 ug/l

RT: 6.57 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VU037140.D

Acq: 09 Mar 2020 18:58

Instrument :

MSVOA_U

ClientSampleId :

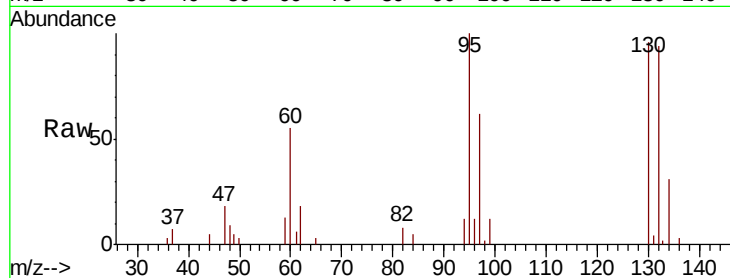
VU0309WBSD01

Tot Ion:130 Resp: 9078

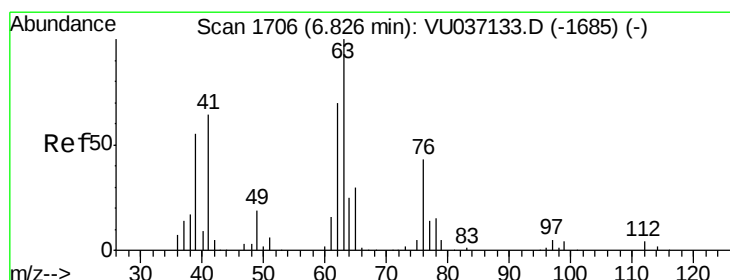
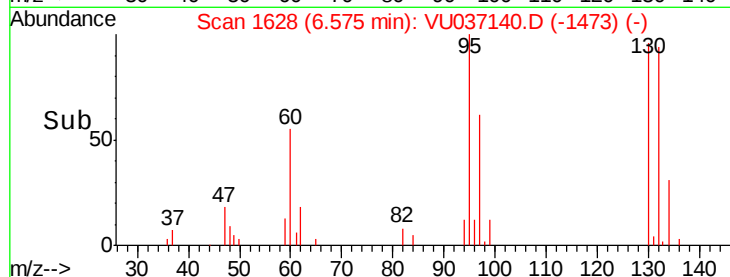
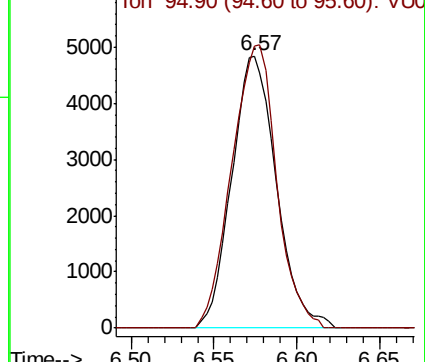
Ion Ratio Lower Upper

130 100

95 103.8 77.0 115.4



Abundance Ion 129.90 (129.60 to 130.60): VU037133.D (-1613) (-)



#38

1,2-Dichloropropane

Concen: 1.857 ug/l

RT: 6.83 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VU037140.D

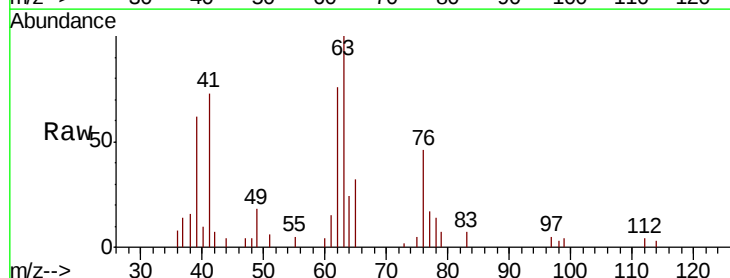
Acq: 09 Mar 2020 18:58

Tgt Ion: 63 Resp: 9895

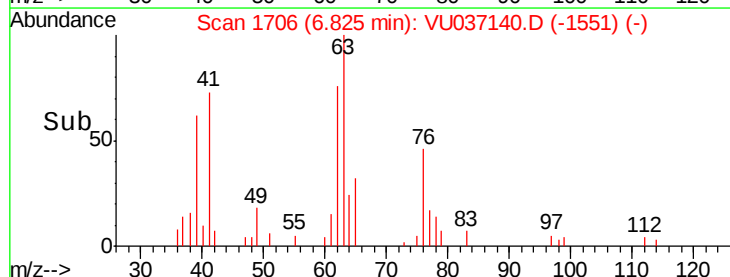
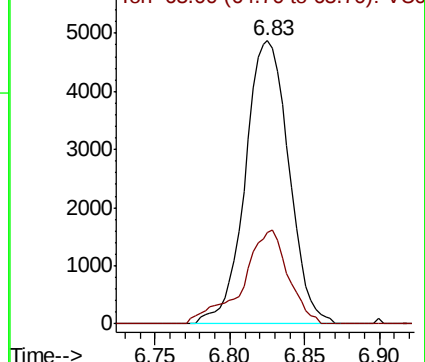
Ion Ratio Lower Upper

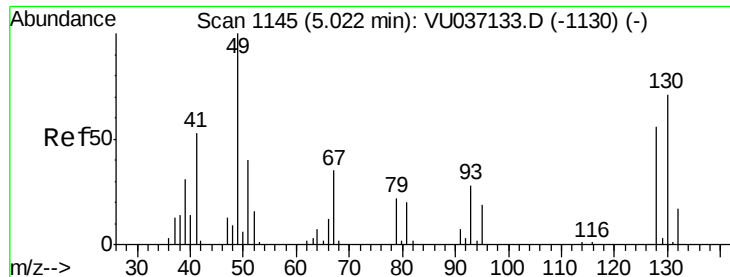
63 100

65 32.2 24.7 37.1



Abundance Ion 63.00 (62.70 to 63.70): VU037133.D (-1685) (-)

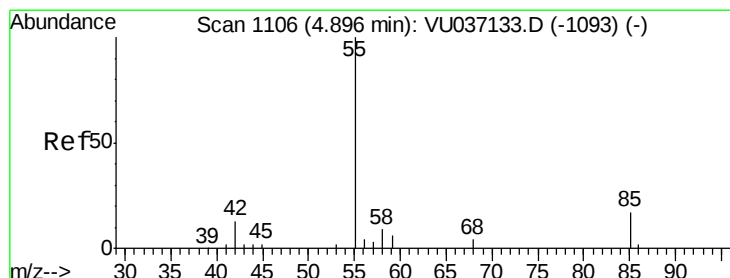
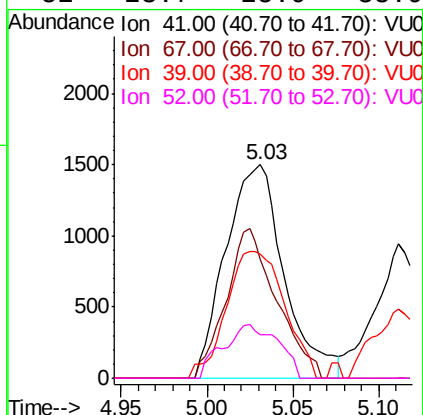
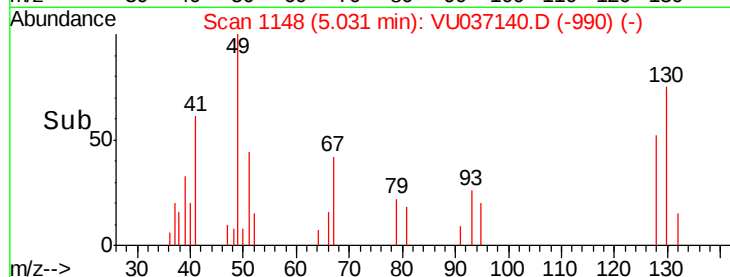
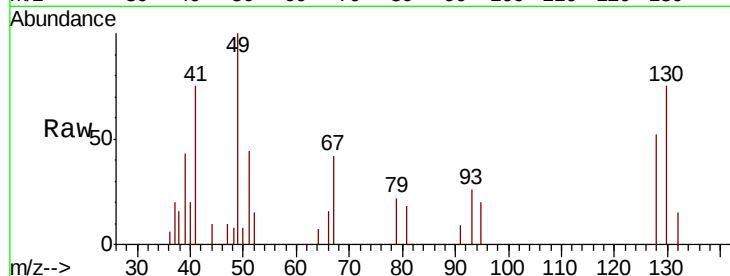




#39
Methacrylonitrile
Concen: 1.873 ug/l
RT: 5.03 min Scan# 1148
Delta R.T. 0.01 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

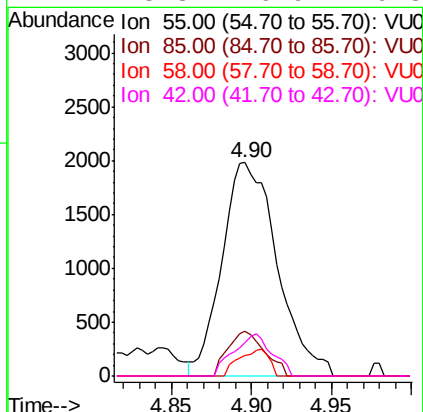
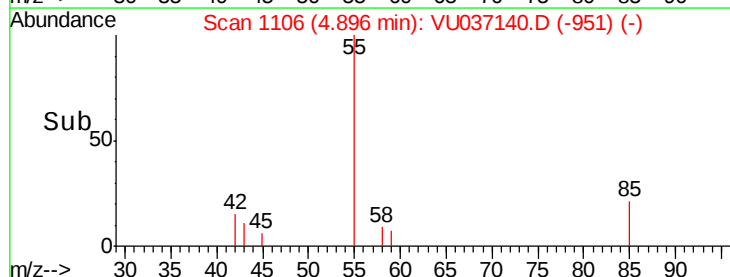
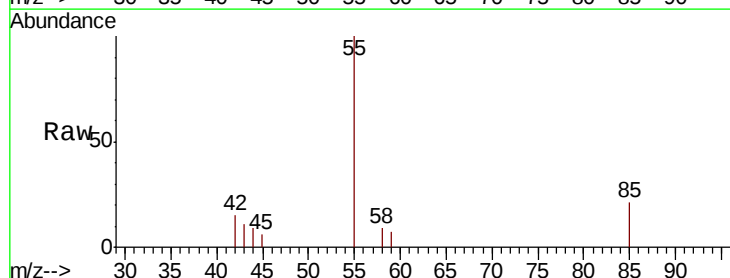
Instrument :
MSVOA_U
ClientSampleId :
VU0309WBSD01

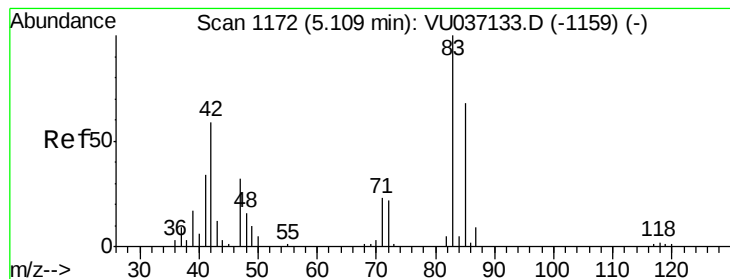
Tot Ion: 41 Resp: 3554
Ion Ratio Lower Upper
41 100
67 60.4 69.6 104.4#
39 59.3 41.6 62.4
52 23.7 25.9 38.9#



#40
Methyl acrylate
Concen: 1.788 ug/l
RT: 4.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

Tgt Ion: 55 Resp: 4693
Ion Ratio Lower Upper
55 100
85 13.9 14.7 22.1#
58 6.7 7.1 10.7#
42 13.3 6.9 10.3#





#41

Tetrahydrofuran

Concen: 3.555 ug/l

RT: 5.11 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VU037140.D

Acq: 09 Mar 2020 18:58

Instrument :

MSVOA_U

ClientSampleId :

VU0309WBSD01

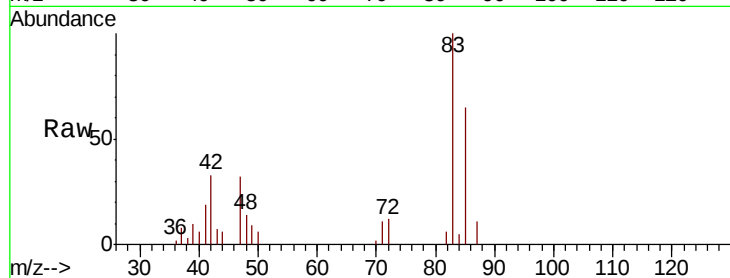
Tot Ion: 42 Resp: 3366

Ion Ratio Lower Upper

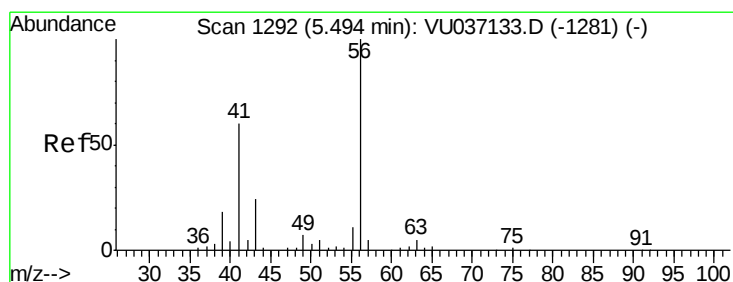
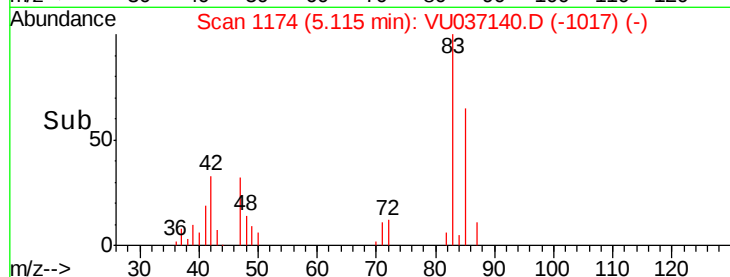
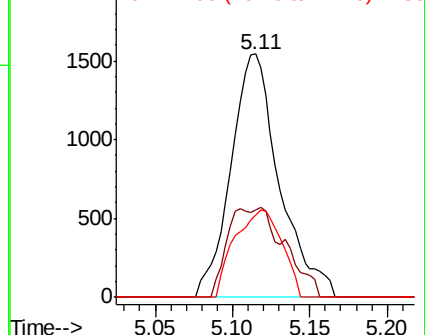
42 100

72 18.7 42.5 63.7#

71 34.8 37.3 55.9#



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: 1.847 ug/l

RT: 5.50 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VU037140.D

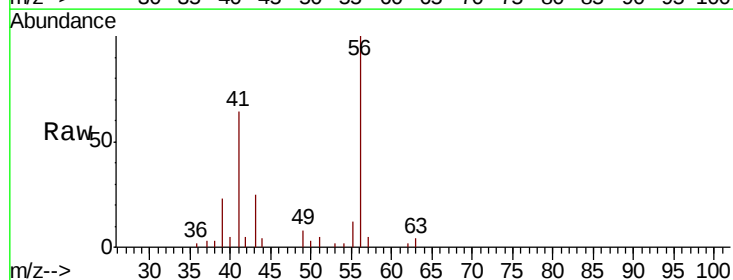
Acq: 09 Mar 2020 18:58

Tgt Ion: 56 Resp: 18186

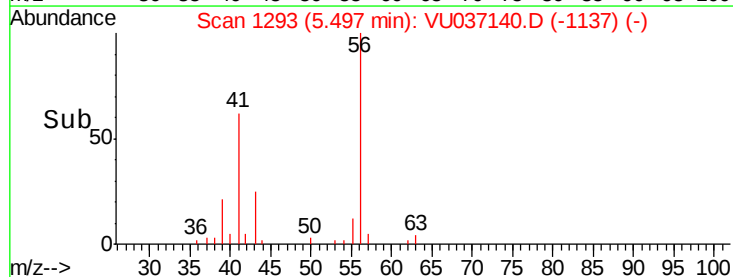
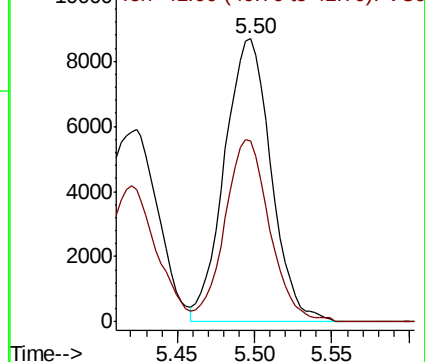
Ion Ratio Lower Upper

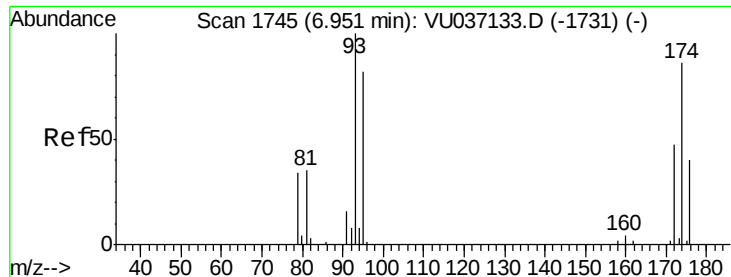
56 100

41 62.0 24.8 74.3



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





#43

Dibromomethane

Concen: 1.987 ug/l

RT: 6.95 min Scan# 1746

Delta R.T. 0.00 min

Lab File: VU037140.D

Acq: 09 Mar 2020 18:58

Instrument :

MSVOA_U

ClientSampleId :

VU0309WBSD01

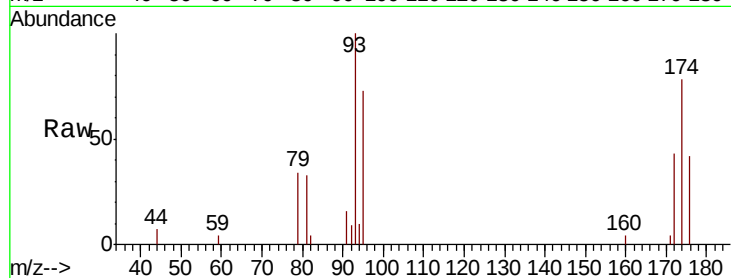
Tot Ion: 93 Resp: 5429

Ion Ratio Lower Upper

93 100

95 74.8 67.9 101.9

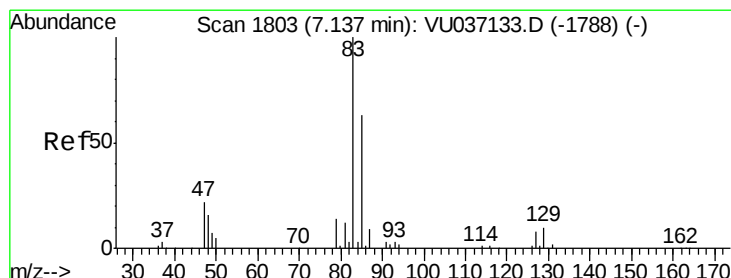
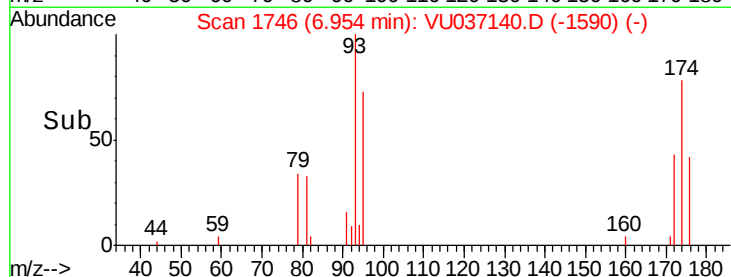
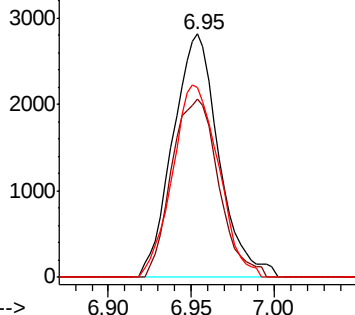
174 79.0 83.4 125.0#



Abundance Ion 93.00 (92.70 to 93.70): VU037133.D (-1731) (-)

Ion 95.00 (94.70 to 95.70): VU037133.D (-1731) (-)

Ion 174.00 (173.70 to 174.70): VU037133.D (-1731) (-)



#44

Bromodichloromethane

Concen: 1.853 ug/l

RT: 7.14 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VU037140.D

Acq: 09 Mar 2020 18:58

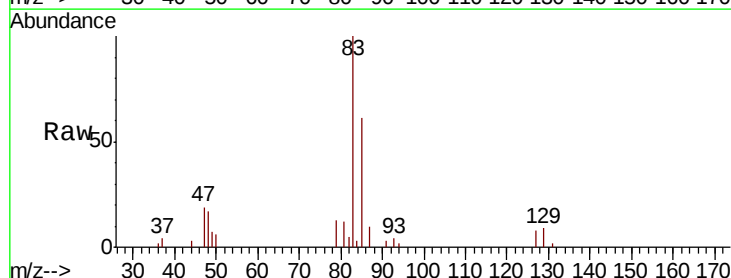
Tgt Ion: 83 Resp: 13180

Ion Ratio Lower Upper

83 100

85 61.2 51.8 77.6

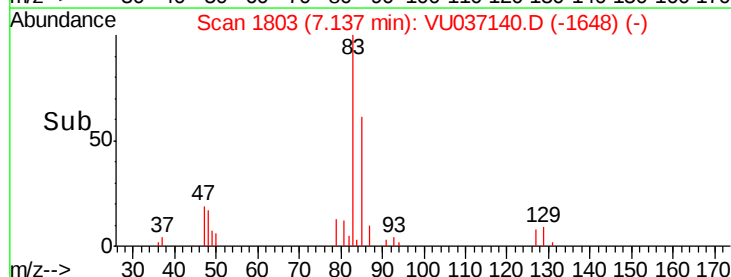
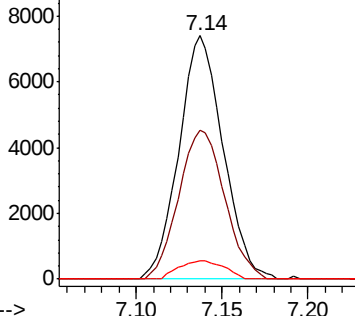
127 7.7 6.8 10.2

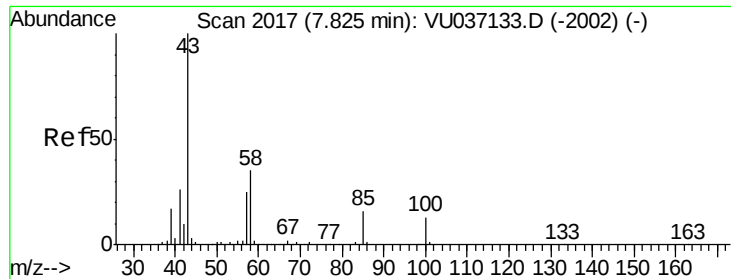


Abundance Ion 83.00 (82.70 to 83.70): VU037133.D (-1788) (-)

Ion 85.00 (84.70 to 85.70): VU037133.D (-1788) (-)

Ion 127.00 (126.70 to 127.70): VU037133.D (-1788) (-)

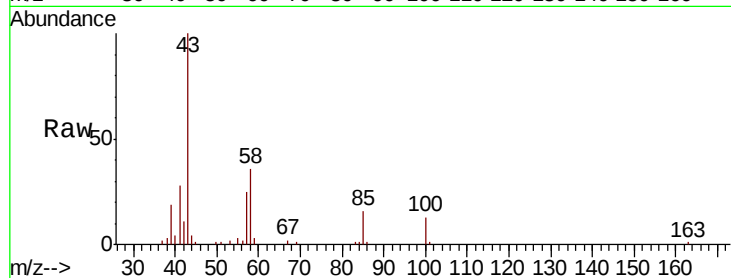




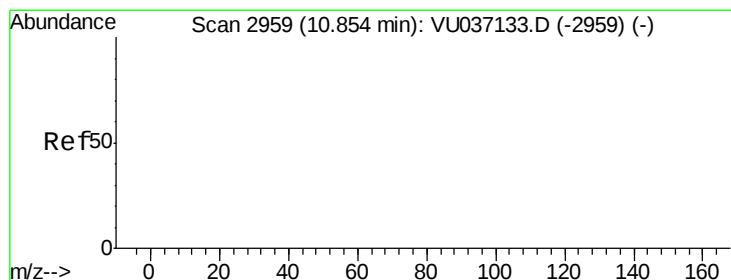
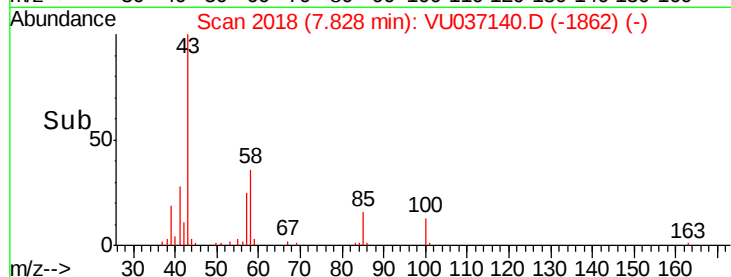
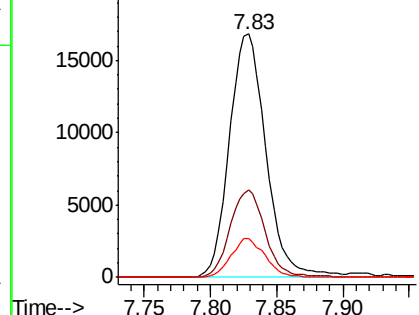
#45
4-Methyl-2-Pentanone
Concen: 8.799 ug/l
RT: 7.83 min Scan# 2018
Delta R.T. 0.00 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

Instrument :
MSVOA_U
ClientSampleId :
VU0309WBSD01

Tot Ion: 43 Resp: 32231
Ion Ratio Lower Upper
43 100
58 34.1 22.1 66.1
85 14.8 17.4 26.0#

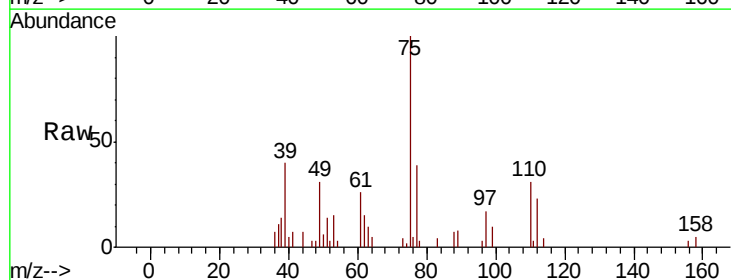


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 85.00 (84.70 to 85.70): VU0

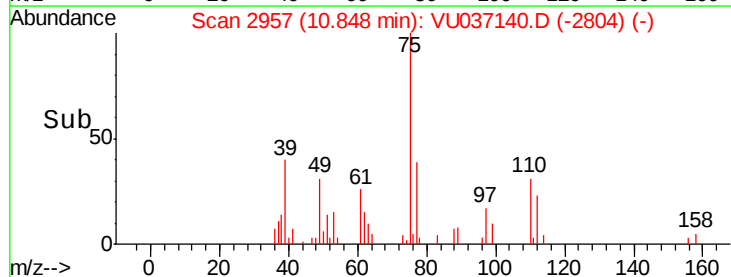
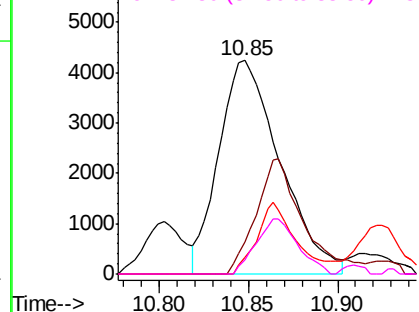


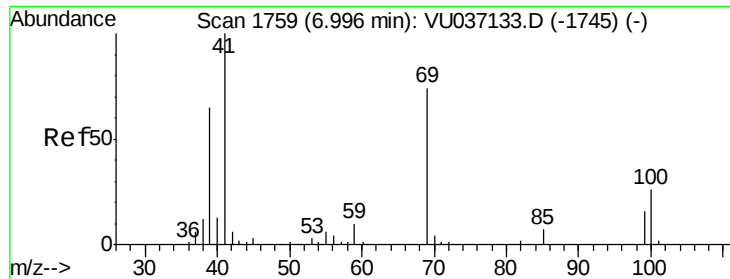
#46
t-1,4-Dichloro-2-butene
Concen: 10.142 ug/l
RT: 10.85 min Scan# 2957
Delta R.T. -0.01 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

Tgt Ion: 75 Resp: 10169
Ion Ratio Lower Upper
75 100
53 41.5 52.2 78.2#
89 21.6 39.8 59.6#
88 17.6 27.4 41.2#



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.80 (88.50 to 89.50): VU0
Ion 87.80 (87.50 to 88.50): VU0

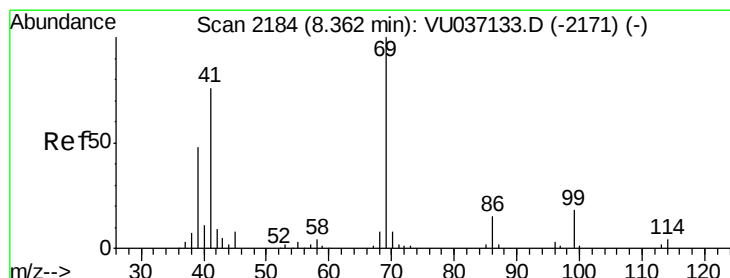
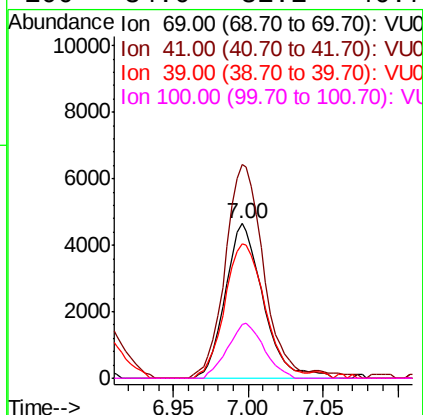
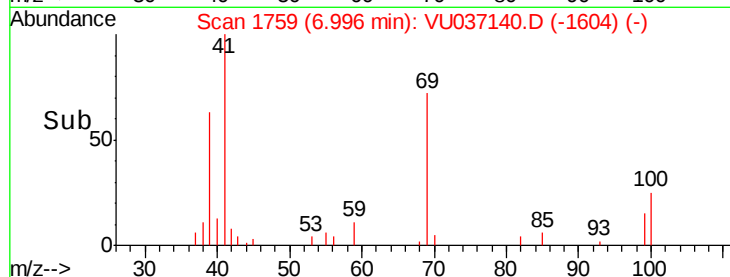
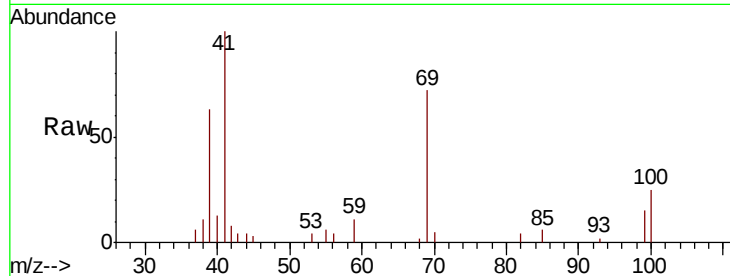




#47
Methyl methacrylate
Concen: 3.614 ug/l
RT: 7.00 min Scan# 1759
Delta R.T. -0.00 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

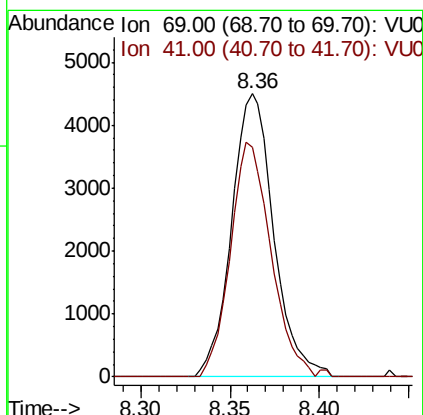
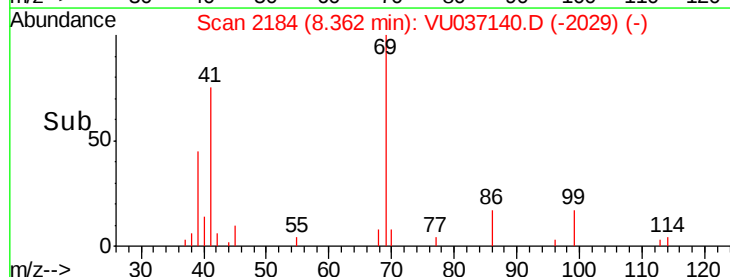
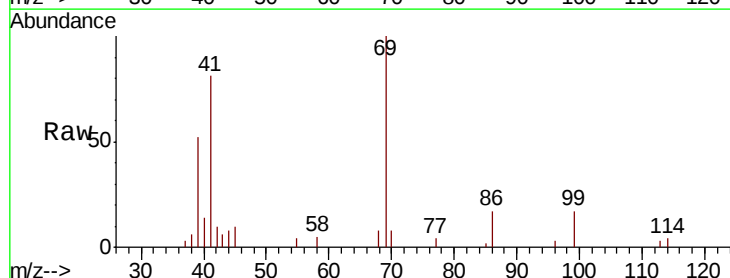
Instrument :
MSVOA_U
ClientSampleId :
VU0309WBSD01

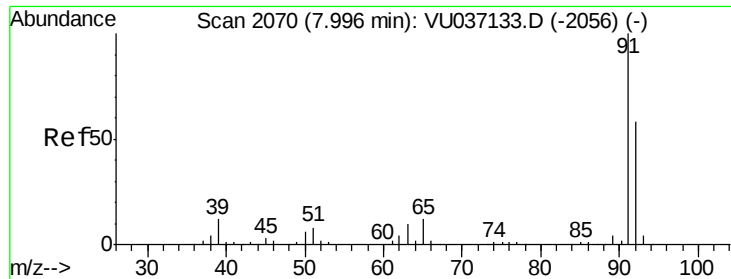
Tot Ion: 69 Resp: 8160
Ion Ratio Lower Upper
69 100
41 139.3 0.0 200.8
39 92.5 43.5 65.3#
100 34.0 31.1 46.7



#48
Ethyl methacrylate
Concen: 1.661 ug/l
RT: 8.36 min Scan# 2184
Delta R.T. -0.00 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

Tgt Ion: 69 Resp: 7409
Ion Ratio Lower Upper
69 100
41 79.6 27.9 83.6





#49

Toluene

Concen: 1.851 ug/l

RT: 8.00 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VU037140.D

Acq: 09 Mar 2020 18:58

Instrument :

MSVOA_U

ClientSampleId :

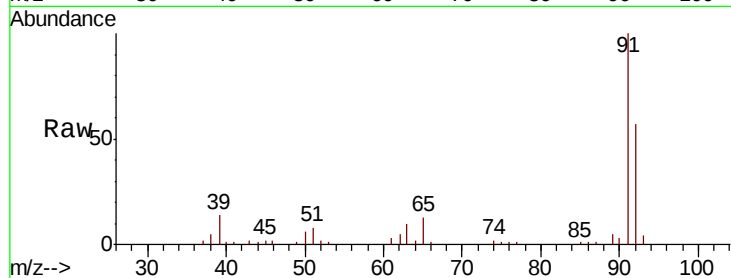
VU0309WBSD01

Tot Ion: 92 Resp: 21705

Ion Ratio Lower Upper

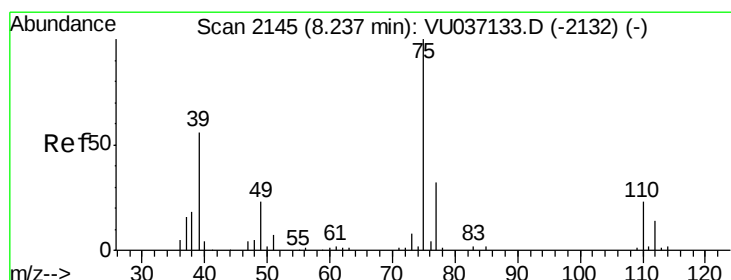
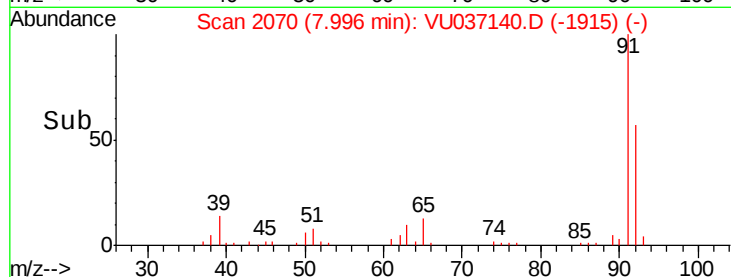
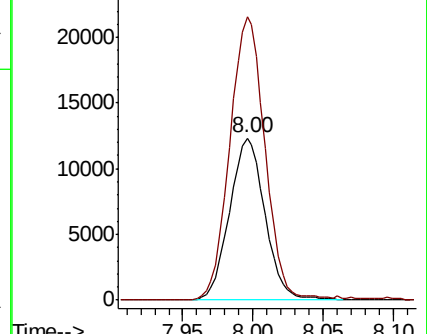
92 100

91 172.8 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VU037133.D (-2056) (-)

Ion 91.00 (90.70 to 91.70): VU037133.D (-2056) (-)



#50

t-1,3-Dichloropropene

Concen: 1.803 ug/l

RT: 8.24 min Scan# 2146

Delta R.T. 0.00 min

Lab File: VU037140.D

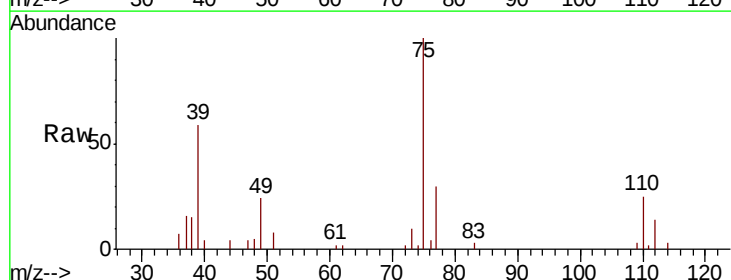
Acq: 09 Mar 2020 18:58

Tgt Ion: 75 Resp: 11553

Ion Ratio Lower Upper

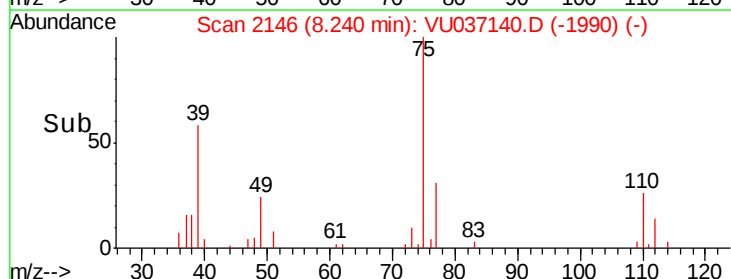
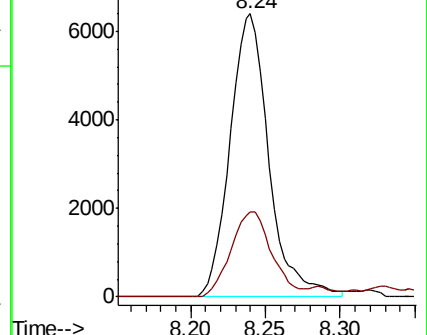
75 100

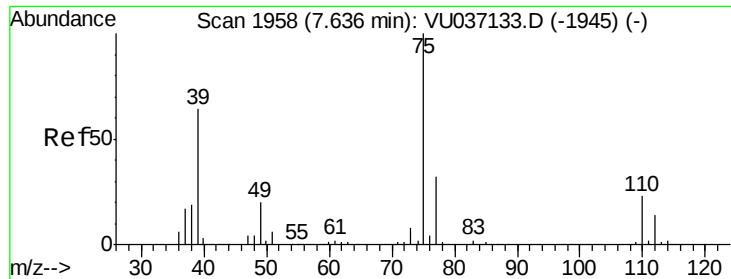
77 30.0 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU037133.D (-2132) (-)

Ion 77.00 (76.70 to 77.70): VU037133.D (-2132) (-)

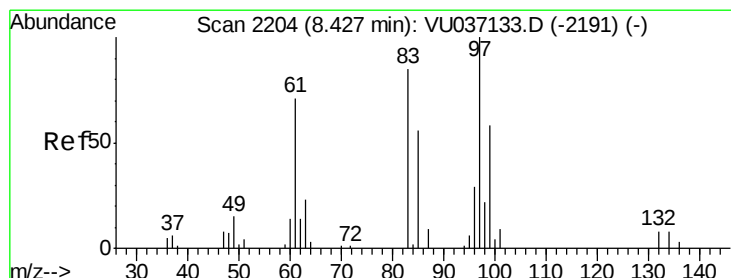
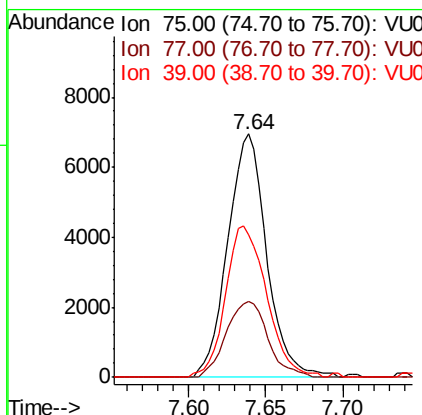
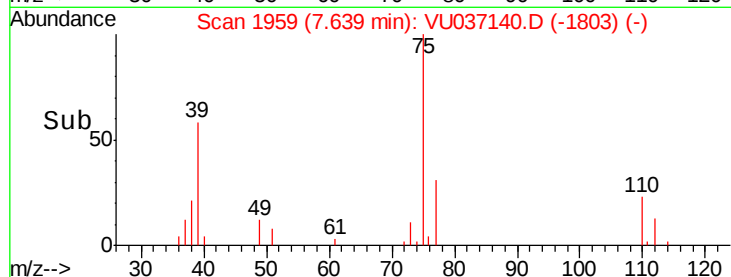
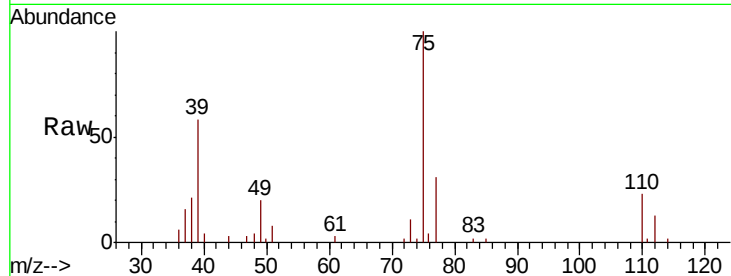




#51
 cis-1,3-Dichloropropene
 Concen: 1.661 ug/l
 RT: 7.64 min Scan# 1959
 Delta R.T. 0.00 min
 Lab File: VU037140.D
 Acq: 09 Mar 2020 18:58

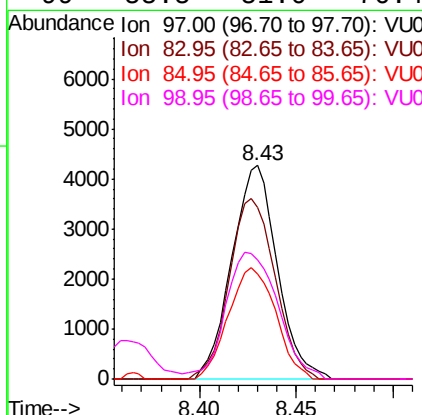
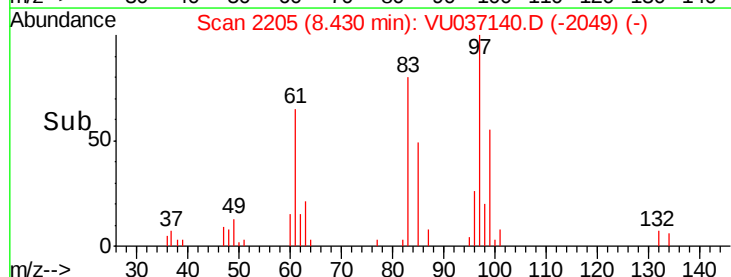
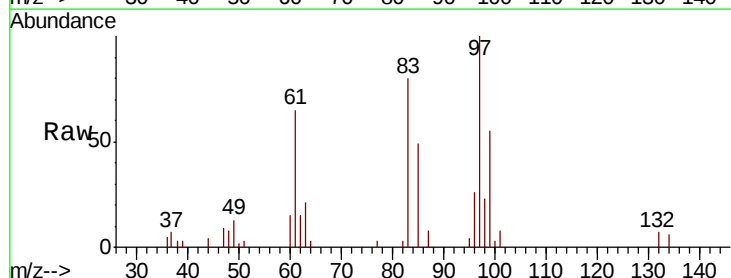
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0309WBSD01

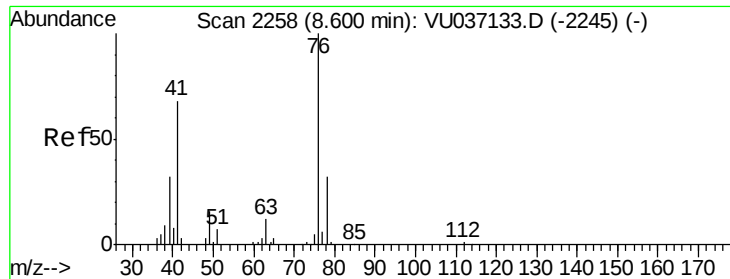
Tot Ion: 75 Resp: 12155
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.3 37.9
 39 58.4 31.8 47.6#



#52
 1,1,2-Trichloroethane
 Concen: 1.915 ug/l
 RT: 8.43 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VU037140.D
 Acq: 09 Mar 2020 18:58

Tgt Ion: 97 Resp: 6980
 Ion Ratio Lower Upper
 97 100
 83 80.4 70.9 106.3
 85 49.2 45.6 68.4
 99 55.5 51.0 76.4





#53

1,3-Dichloropropane

Concen: 1.823 ug/l

RT: 8.60 min Scan# 2259

Delta R.T. 0.00 min

Lab File: VU037140.D

Acq: 09 Mar 2020 18:58

Instrument :

MSVOA_U

ClientSampleId :

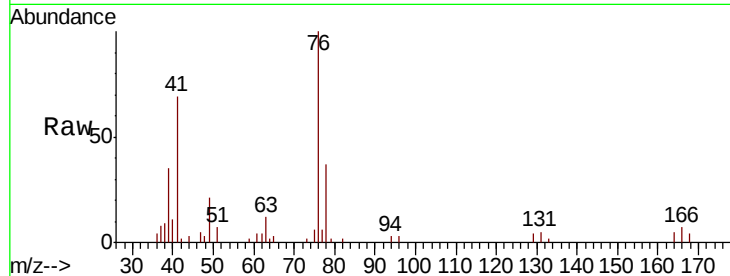
VU0309WBSD01

Tot Ion: 76 Resp: 11786

Ion Ratio Lower Upper

76 100

78 33.3 25.4 38.2



Abundance Ion 76.00 (75.70 to 76.70): VU037133.D (-2245) (-)

Ion 78.00 (77.70 to 78.70): VU037133.D (-2245) (-)

8000

6000

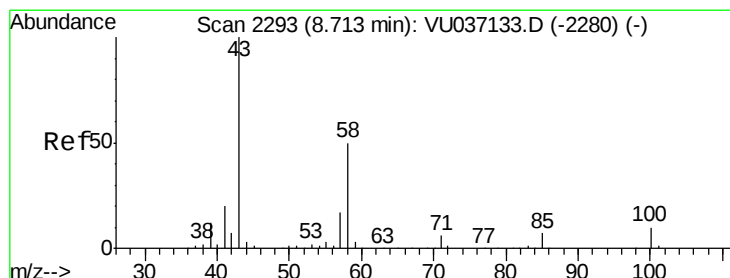
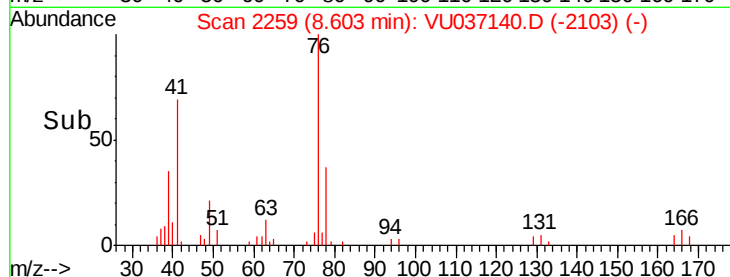
4000

2000

0

8.55 8.60 8.65

Time-->



#54

2-Hexanone

Concen: 8.483 ug/l

RT: 8.72 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VU037140.D

Acq: 09 Mar 2020 18:58

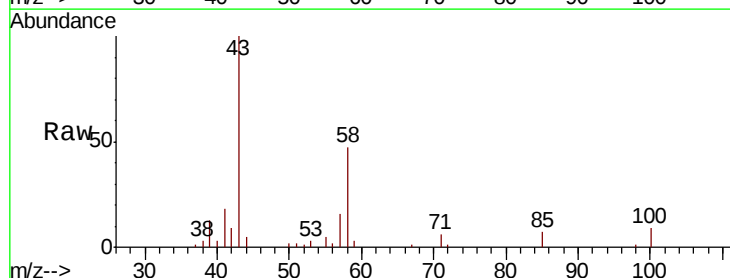
Tgt Ion: 43 Resp: 21406

Ion Ratio Lower Upper

43 100

58 47.4 40.6 80.6

57 16.3 1.2 41.2



Abundance Ion 43.00 (42.70 to 43.70): VU037133.D (-2280) (-)

Ion 58.00 (57.70 to 58.70): VU037133.D (-2280) (-)

Ion 57.00 (56.70 to 57.70): VU037133.D (-2280) (-)

15000

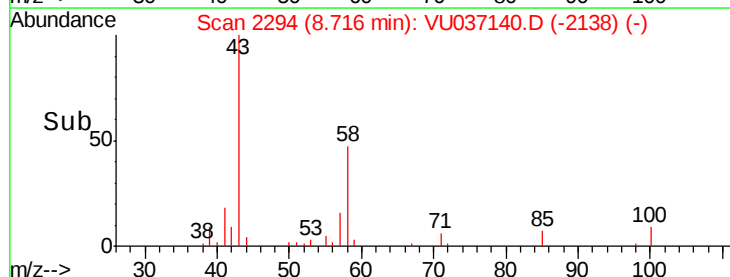
10000

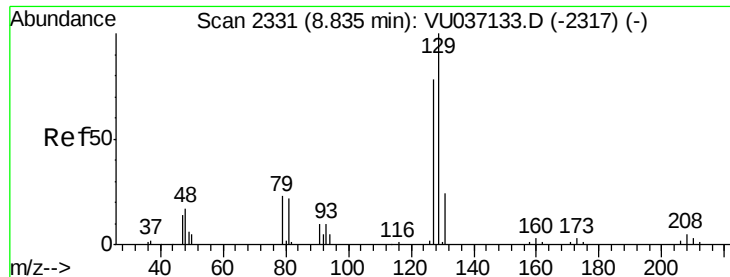
5000

0

8.65 8.70 8.75 8.80

Time-->





#55

Dibromochloromethane

Concen: 1.804 ug/l

RT: 8.83 min Scan# 2331

Delta R.T. -0.00 min

Lab File: VU037140.D

Acq: 09 Mar 2020 18:58

Instrument :

MSVOA_U

ClientSampleId :

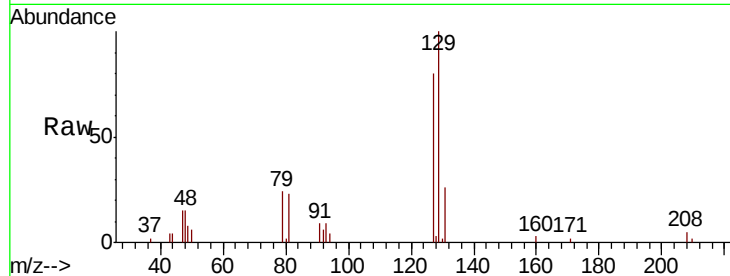
VU0309WBSD01

Tot Ion:129 Resp: 8139

Ion Ratio Lower Upper

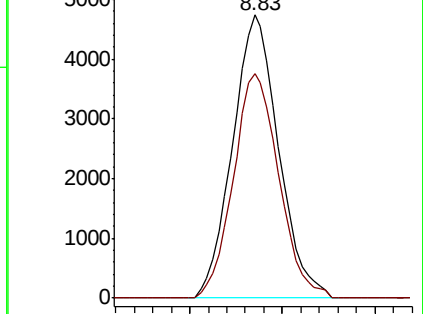
129 100

127 78.5 62.6 94.0

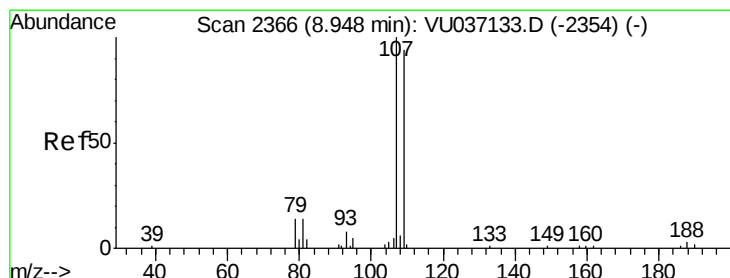
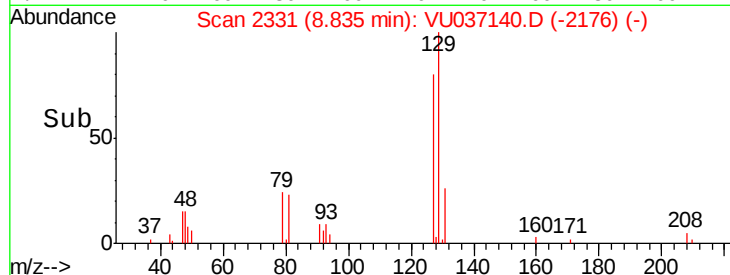


Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



Time-->



#56

1,2-Dibromoethane

Concen: 1.831 ug/l

RT: 8.95 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VU037140.D

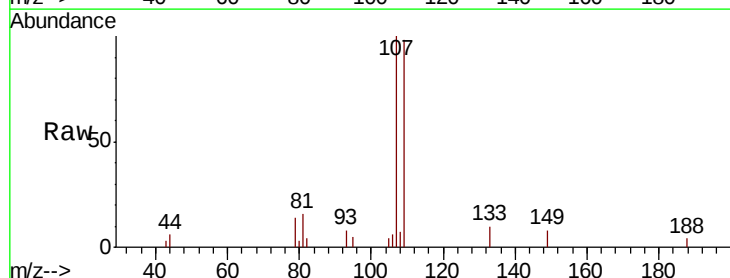
Acq: 09 Mar 2020 18:58

Tgt Ion:107 Resp: 6321

Ion Ratio Lower Upper

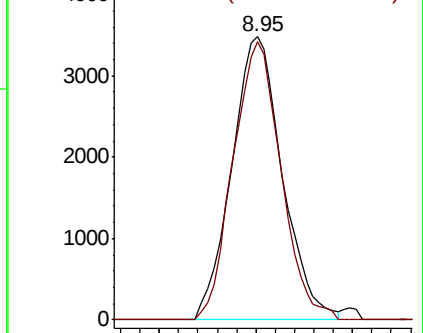
107 100

109 93.1 0.0 190.8

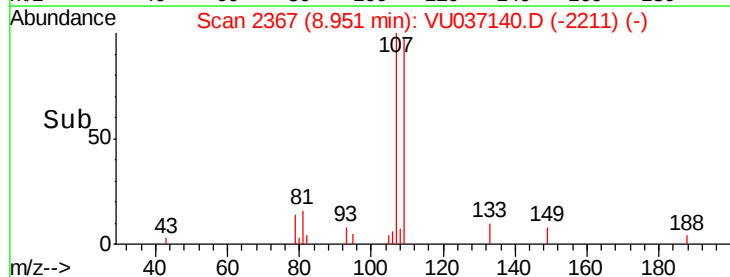


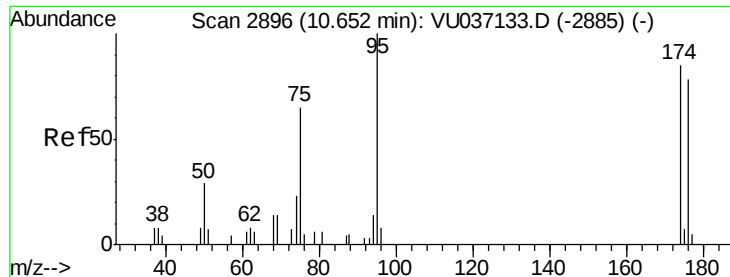
Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



Time-->

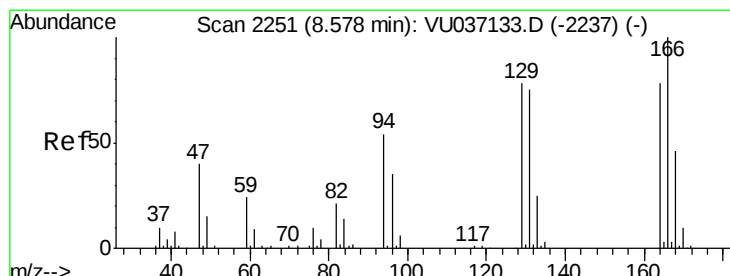
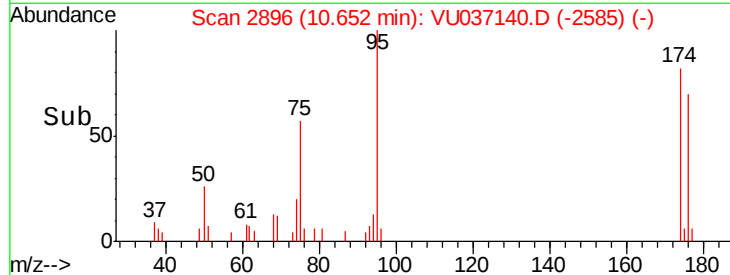
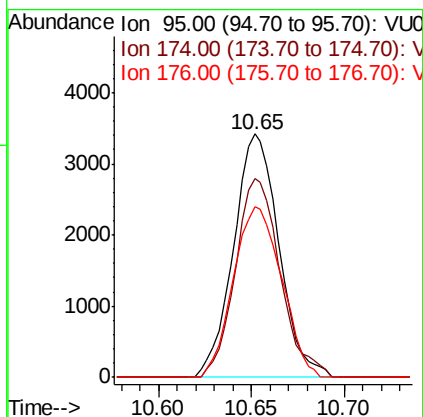
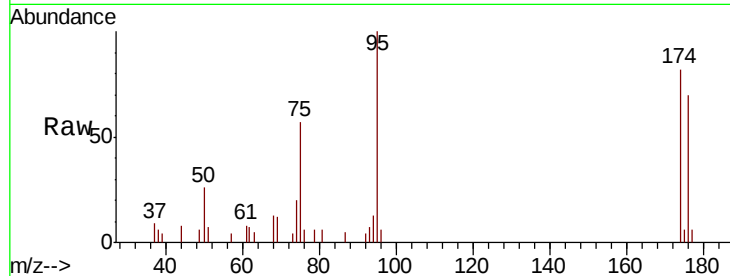




#57
 4-Bromofluorobenzene
 Concen: 0.932 ug/l
 RT: 10.65 min Scan# 2896
 Delta R.T. -0.00 min
 Lab File: VU037140.D
 Acq: 09 Mar 2020 18:58

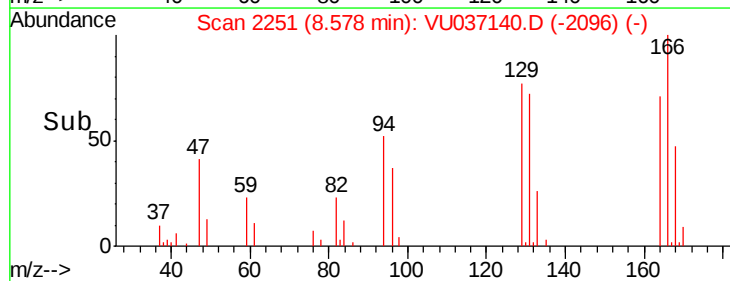
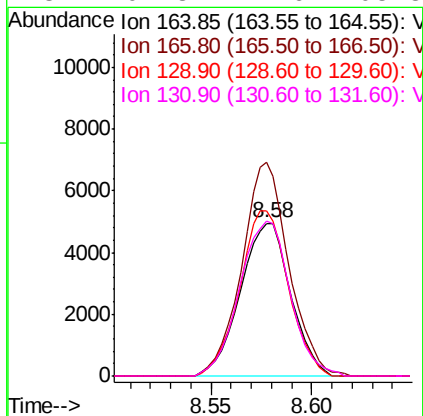
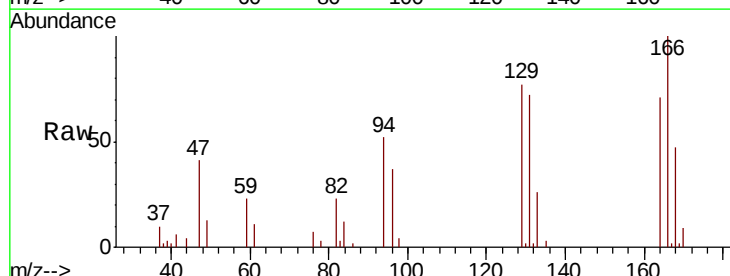
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0309WBSD01

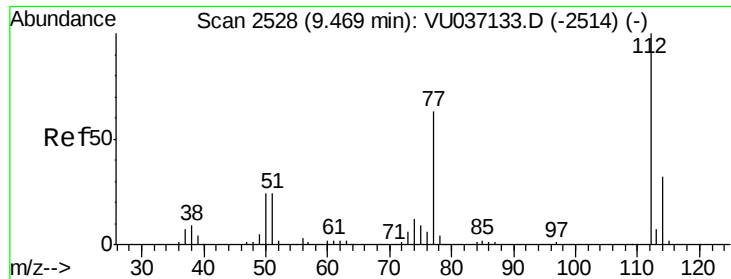
Tot Ion: 95 Resp: 5804
 Ion Ratio Lower Upper
 95 100
 174 80.5 64.7 97.1
 176 74.3 60.6 91.0



#58
 Tetrachloroethene
 Concen: 1.797 ug/l
 RT: 8.58 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VU037140.D
 Acq: 09 Mar 2020 18:58

Tgt Ion: 164 Resp: 8593
 Ion Ratio Lower Upper
 164 100
 166 140.0 102.0 153.0
 129 108.0 74.9 112.3
 131 101.3 72.6 108.8





#59

Chlorobenzene

Concen: 1.779 ug/l

RT: 9.47 min Scan# 2528

Delta R.T. -0.00 min

Lab File: VU037140.D

Acq: 09 Mar 2020 18:58

Instrument :

MSVOA_U

ClientSampleId :

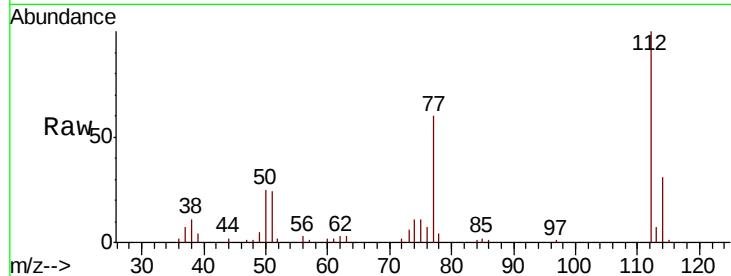
VU0309WBSD01

Tot Ion:112 Resp: 23285

Ion Ratio Lower Upper

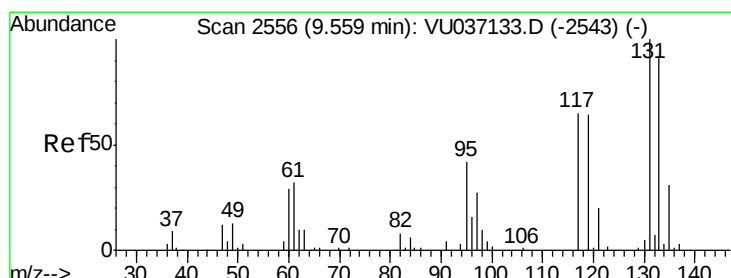
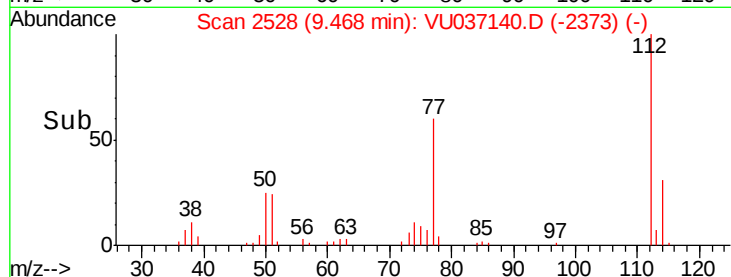
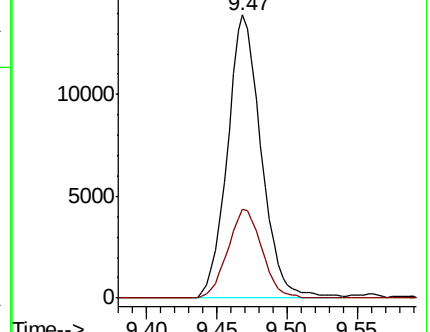
112 100

114 31.4 25.8 38.8



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: 1.849 ug/l

RT: 9.56 min Scan# 2556

Delta R.T. -0.00 min

Lab File: VU037140.D

Acq: 09 Mar 2020 18:58

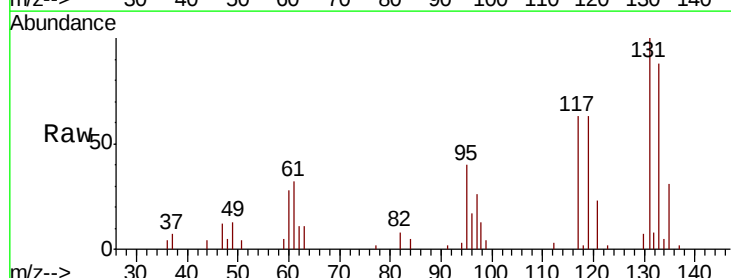
Tgt Ion:131 Resp: 8857

Ion Ratio Lower Upper

131 100

133 96.1 76.4 114.6

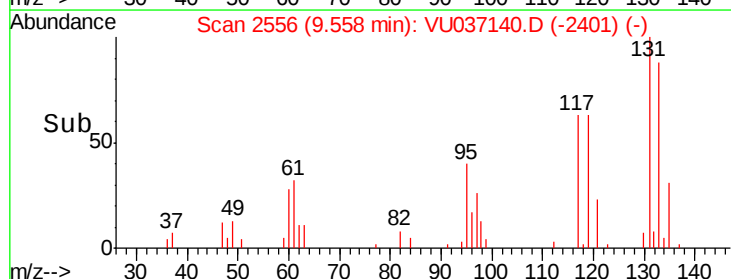
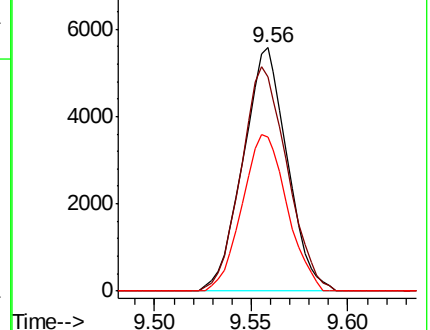
119 65.1 56.6 85.0

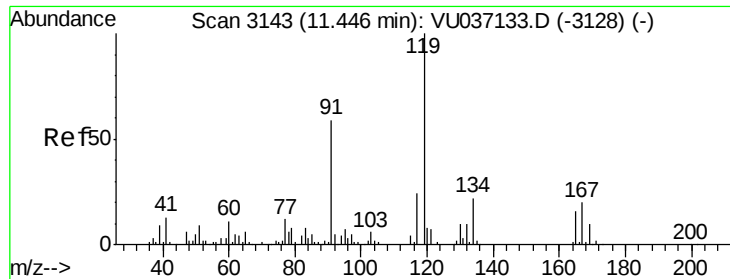


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#61

Pentachloroethane

Concen: 1.975 ug/l

RT: 11.45 min Scan# 3143

Delta R.T. -0.00 min

Lab File: VU037140.D

Acq: 09 Mar 2020 18:58

Instrument :

MSVOA_U

ClientSampleId :

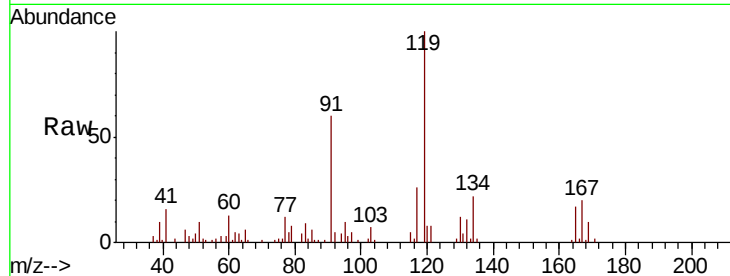
VU0309WBSD01

Tot Ion:117 Resp: 7219

Ion Ratio Lower Upper

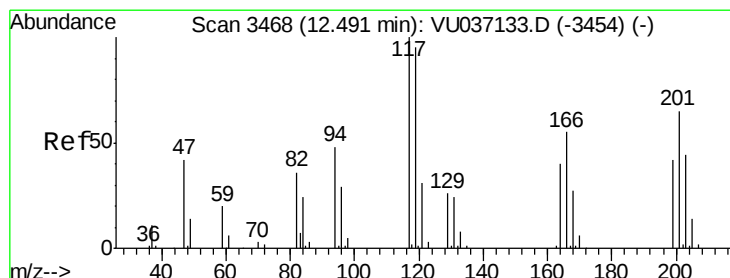
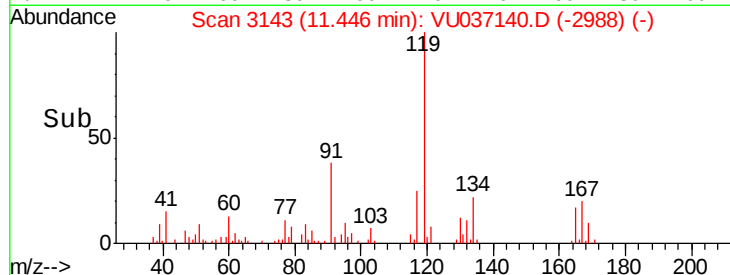
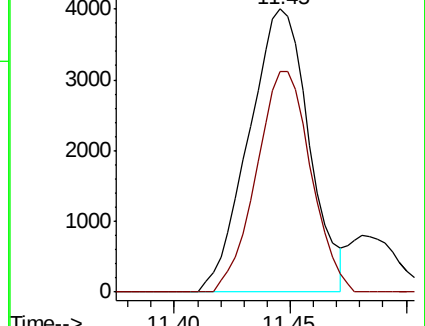
117 100

167 70.6 66.7 100.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 1.847 ug/l

RT: 12.49 min Scan# 3468

Delta R.T. -0.00 min

Lab File: VU037140.D

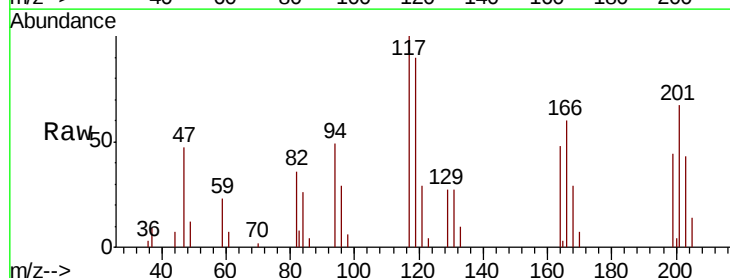
Acq: 09 Mar 2020 18:58

Tgt Ion:117 Resp: 7225

Ion Ratio Lower Upper

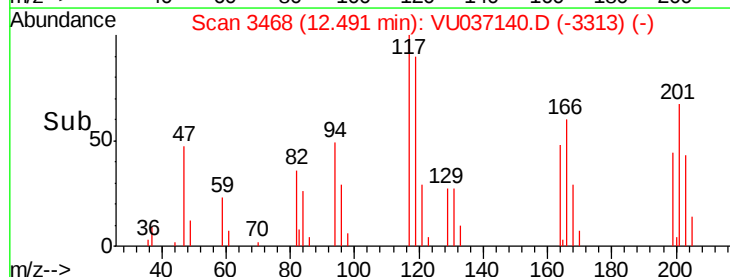
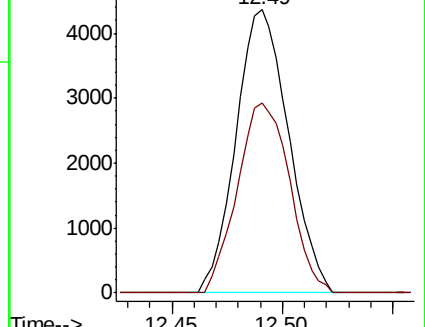
117 100

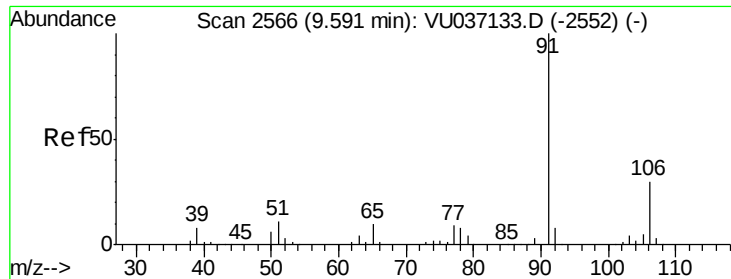
201 66.8 65.0 97.4



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V

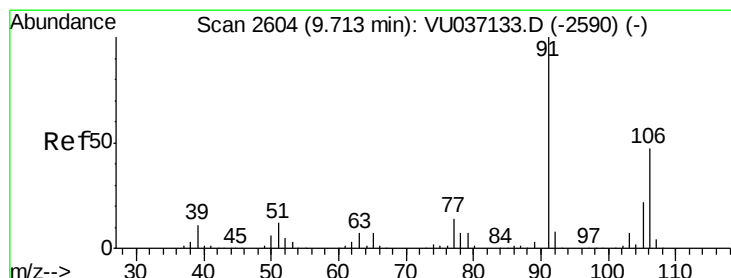
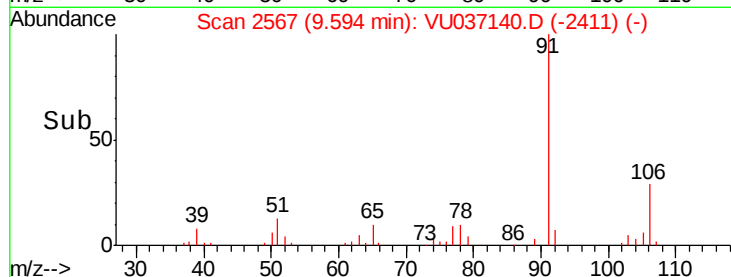
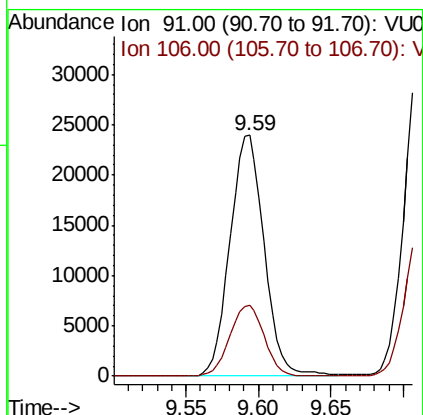
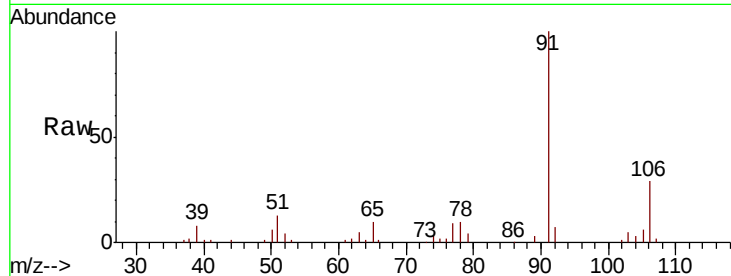




#63
Ethyl Benzene
Concen: 1.758 ug/l
RT: 9.59 min Scan# 2567
Delta R.T. 0.00 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

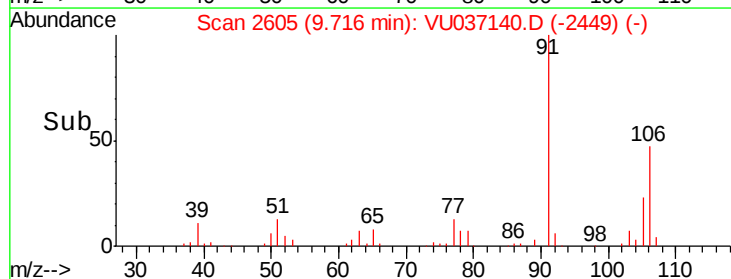
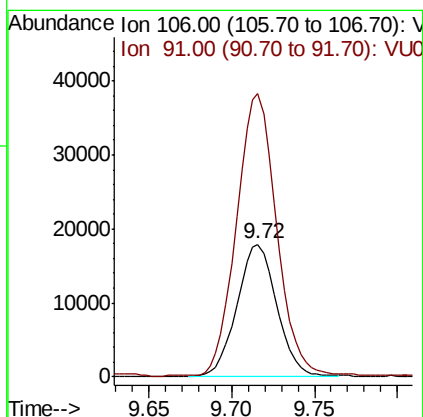
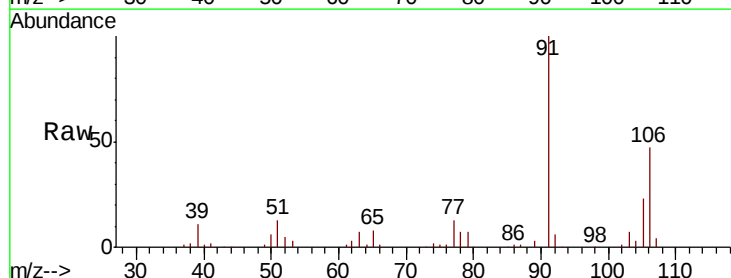
Instrument :
MSVOA_U
ClientSampleId :
VU0309WBSD01

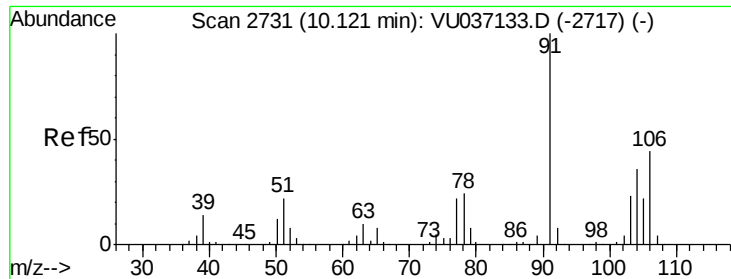
Tot Ion: 91 Resp: 39272
Ion Ratio Lower Upper
91 100
106 29.2 26.0 39.0



#64
m/p-Xylenes
Concen: 3.552 ug/l
RT: 9.72 min Scan# 2605
Delta R.T. 0.00 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

Tgt Ion: 106 Resp: 30035
Ion Ratio Lower Upper
106 100
91 214.3 158.2 237.4

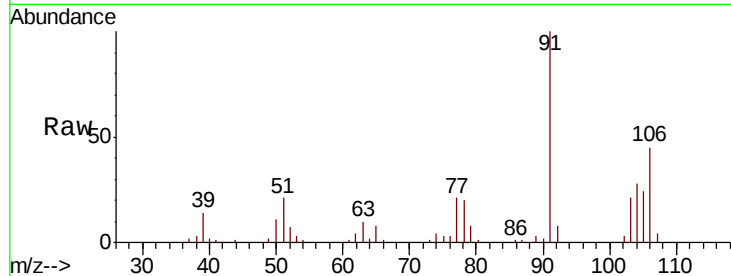




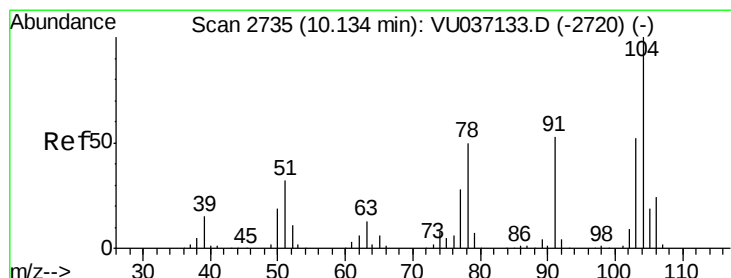
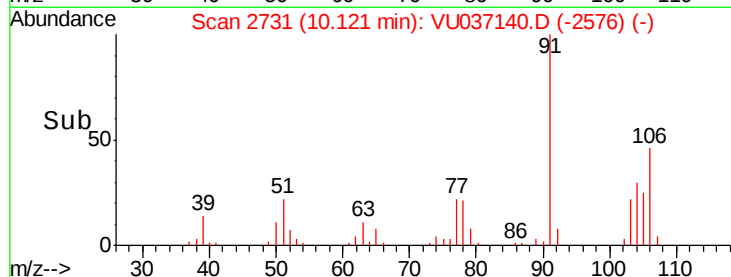
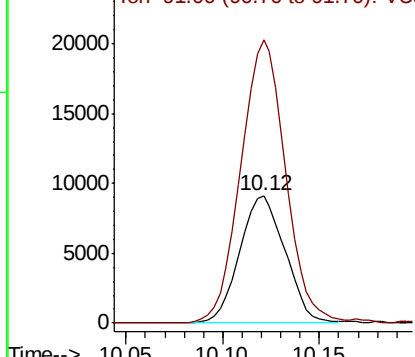
#65
o-Xylene
Concen: 1.830 ug/l
RT: 10.12 min Scan# 2731
Delta R.T. -0.00 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

Instrument :
MSVOA_U
ClientSampleId :
VU0309WBSD01

Tot Ion:106 Resp: 14929
Ion Ratio Lower Upper
106 100
91 218.4 104.3 312.9

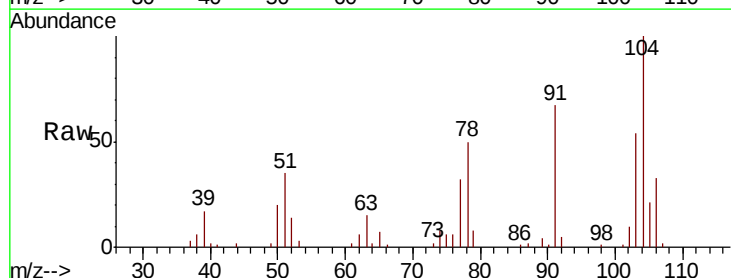


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

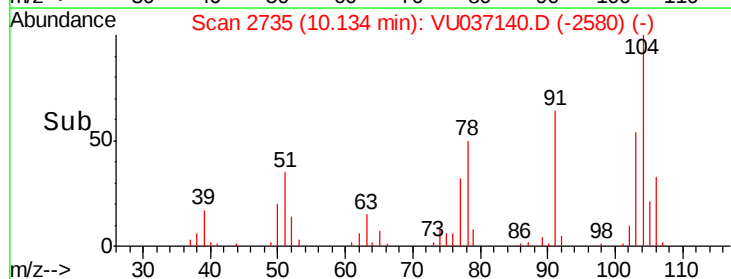
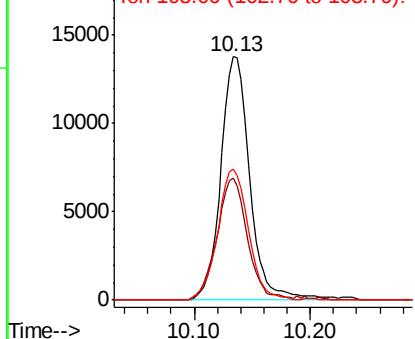


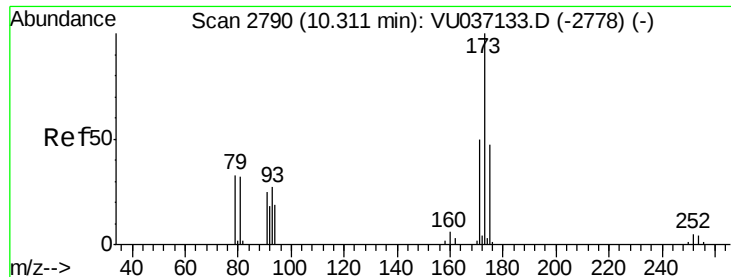
#66
Styrene
Concen: 1.790 ug/l
RT: 10.13 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VU037140.D
Acq: 09 Mar 2020 18:58

Tgt Ion:104 Resp: 23911
Ion Ratio Lower Upper
104 100
78 52.7 38.6 57.8
103 56.8 44.4 66.6



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: 1.976 ug/l

RT: 10.31 min Scan# 2791

Delta R.T. 0.00 min

Lab File: VU037140.D

Acq: 09 Mar 2020 18:58

Instrument :

MSVOA_U

ClientSampleId :

VU0309WBSD01

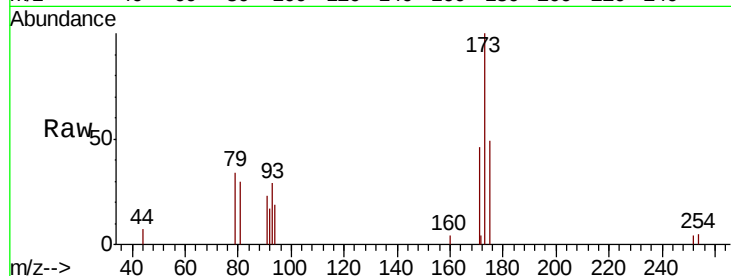
Tot Ion:173 Resp: 4705

Ion Ratio Lower Upper

173 100

175 47.0 38.3 57.5

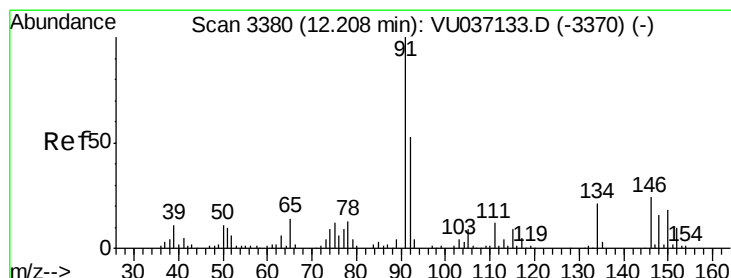
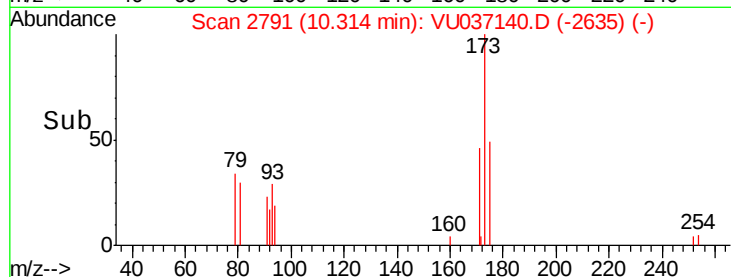
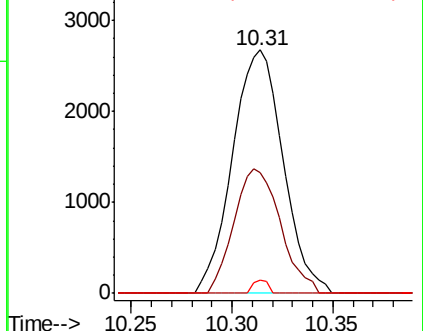
254 1.6 6.6 9.8#



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: 1.020 ug/l

RT: 12.21 min Scan# 3381

Delta R.T. 0.00 min

Lab File: VU037140.D

Acq: 09 Mar 2020 18:58

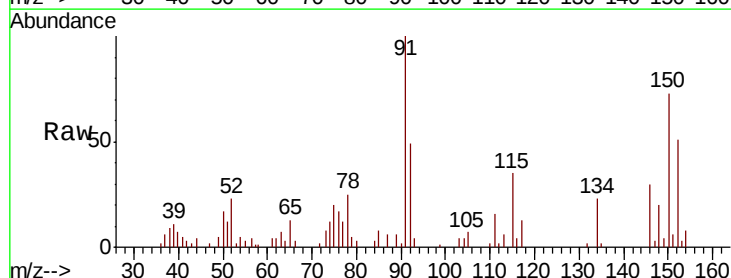
Tgt Ion:152 Resp: 6472

Ion Ratio Lower Upper

152 100

115 83.1 0.0 241.8

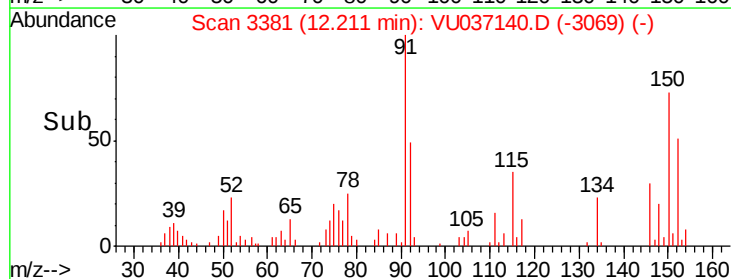
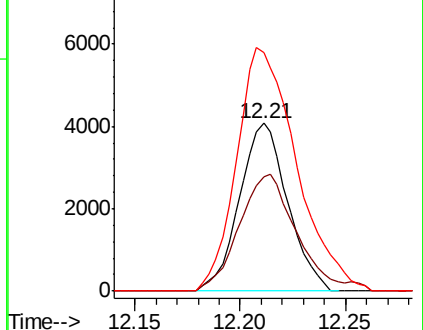
150 179.7 0.0 652.4

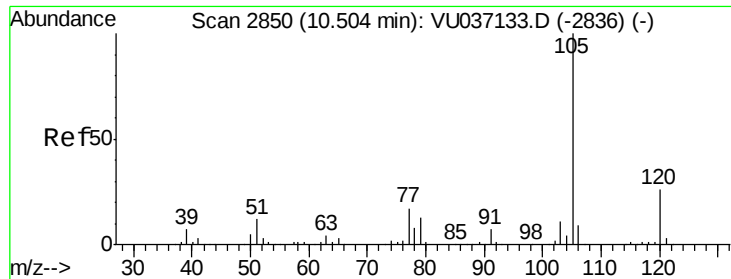


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 1.774 ug/l

RT: 10.50 min Scan# 2850

Delta R.T. -0.00 min

Lab File: VU037140.D

Acq: 09 Mar 2020 18:58

Instrument :

MSVOA_U

ClientSampleId :

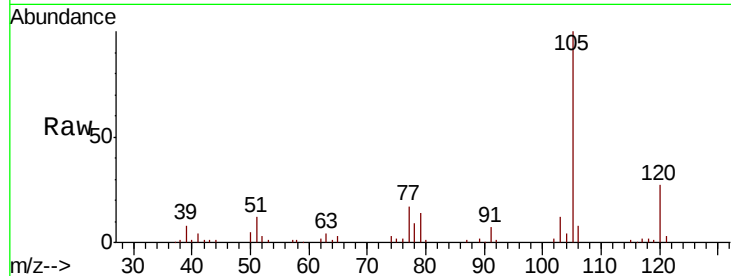
VU0309WBSD01

Tot Ion:105 Resp: 39452

Ion Ratio Lower Upper

105 100

120 26.7 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

25000

20000

15000

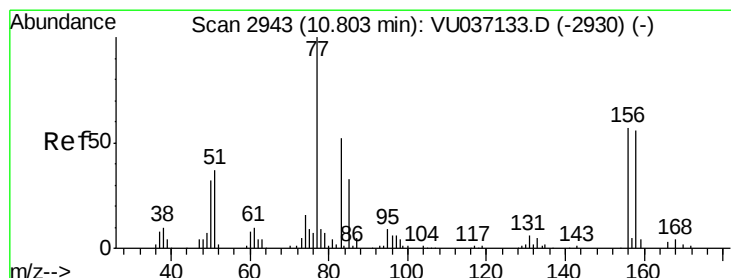
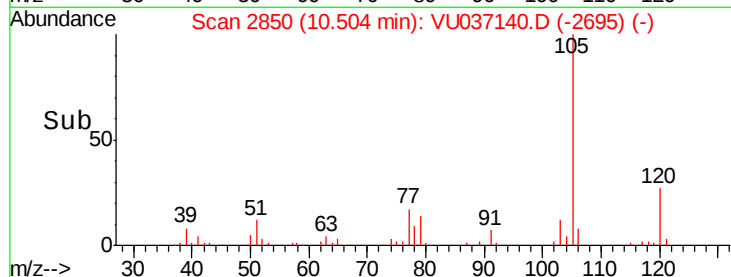
10000

5000

0

10.45 10.50 10.55

Time-->



#70

1,1,2,2-Tetrachloroethane

Concen: 1.884 ug/l

RT: 10.80 min Scan# 2943

Delta R.T. -0.00 min

Lab File: VU037140.D

Acq: 09 Mar 2020 18:58

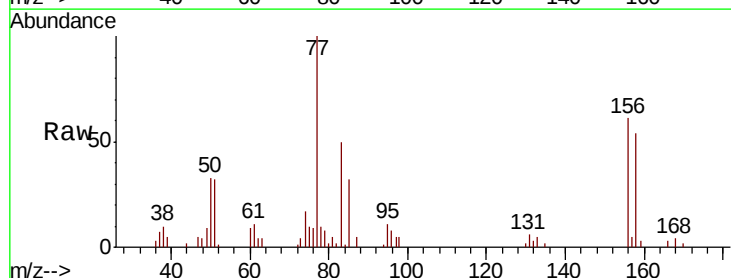
Tgt Ion: 83 Resp: 9031

Ion Ratio Lower Upper

83 100

131 9.8 7.8 11.8

85 61.1 53.2 79.8



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

6000

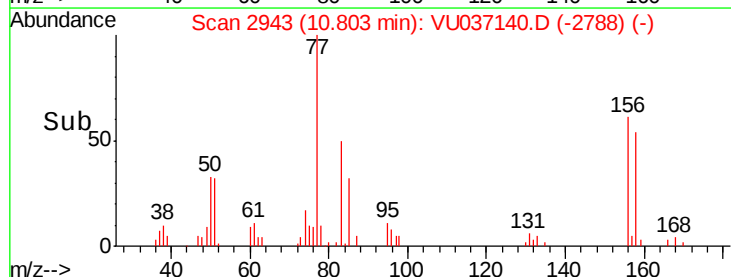
4000

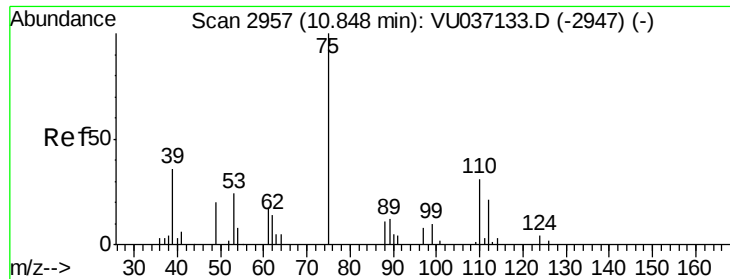
2000

0

10.75 10.80 10.85

Time-->

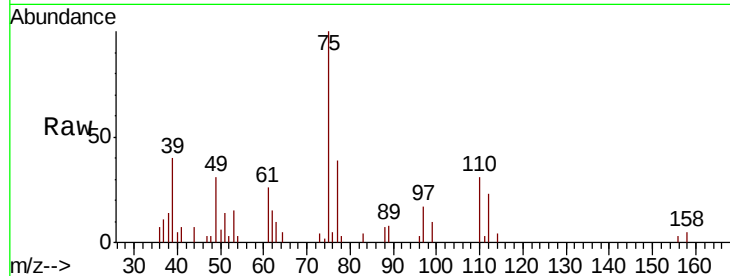




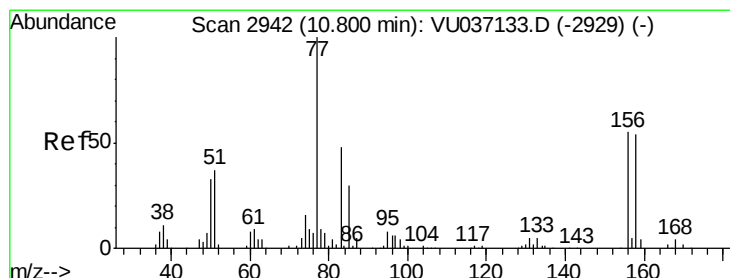
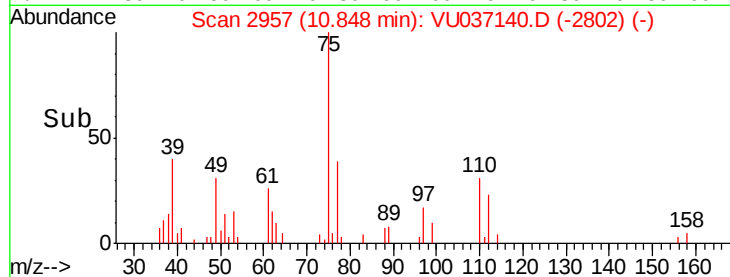
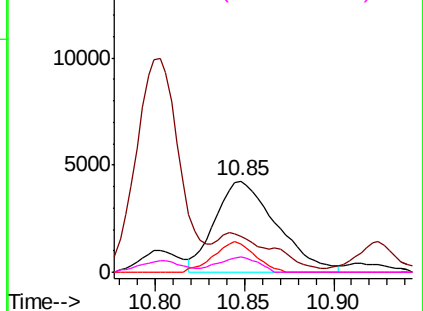
#71
 1,2,3-Trichloropropane
 Concen: 2.595 ug/l
 RT: 10.85 min Scan# 2957
 Delta R.T. -0.00 min
 Lab File: VU037140.D
 Acq: 09 Mar 2020 18:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0309WBSD01

Tot Ion:	75	Resp:	10169
Ion	Ratio	Lower	Upper
75	100		
77	38.8	0.0	129.6
110	22.1	0.0	77.4
97	11.2	0.0	42.0

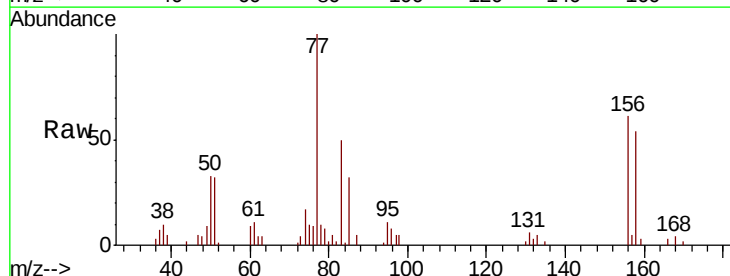


Abundance Ion 75.00 (74.70 to 75.70): VU037140.D (-2802) (-)
 Ion 77.00 (76.70 to 77.70): VU037140.D (-2802) (-)
 Ion 110.00 (109.70 to 110.70): VU037140.D (-2802) (-)
 Ion 97.00 (96.70 to 97.70): VU037140.D (-2802) (-)

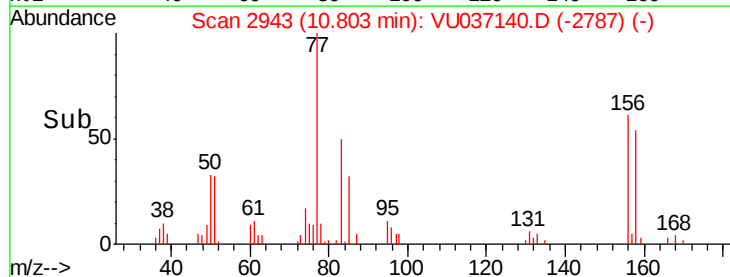
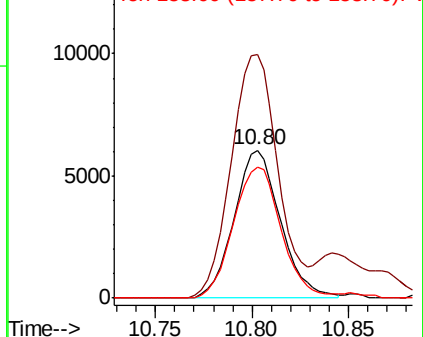


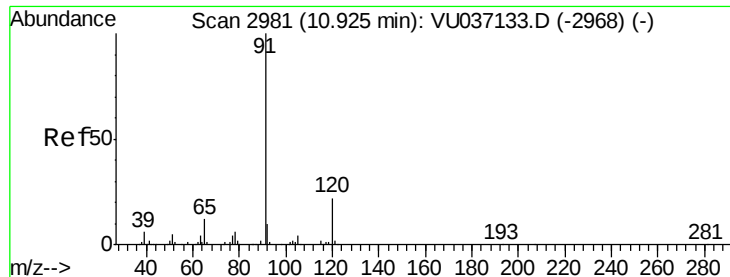
#72
 Bromobenzene
 Concen: 1.865 ug/l
 RT: 10.80 min Scan# 2943
 Delta R.T. 0.00 min
 Lab File: VU037140.D
 Acq: 09 Mar 2020 18:58

Tgt Ion:	156	Resp:	10037
Ion	Ratio	Lower	Upper
156	100		
77	167.0	0.0	306.6
158	91.5	0.0	192.0



Abundance Ion 156.00 (155.70 to 156.70): VU037140.D (-2787) (-)
 Ion 77.00 (76.70 to 77.70): VU037140.D (-2787) (-)
 Ion 158.00 (157.70 to 158.70): VU037140.D (-2787) (-)





#73

n-propylbenzene

Concen: 1.815 ug/l

RT: 10.92 min Scan# 2980

Delta R.T. -0.00 min

Lab File: VU037140.D

Acq: 09 Mar 2020 18:58

Instrument :

MSVOA_U

ClientSampleId :

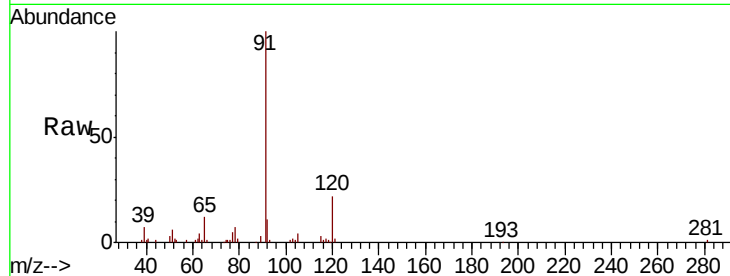
VU0309WBSD01

Tot Ion:120 Resp: 10700

Ion Ratio Lower Upper

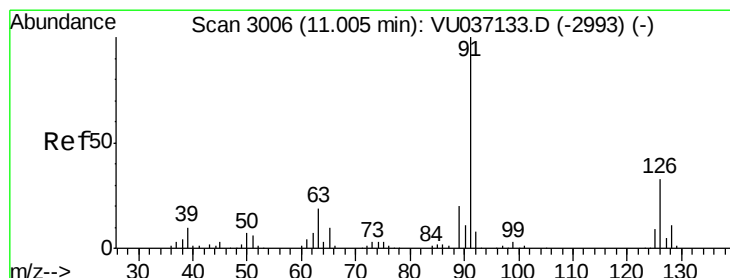
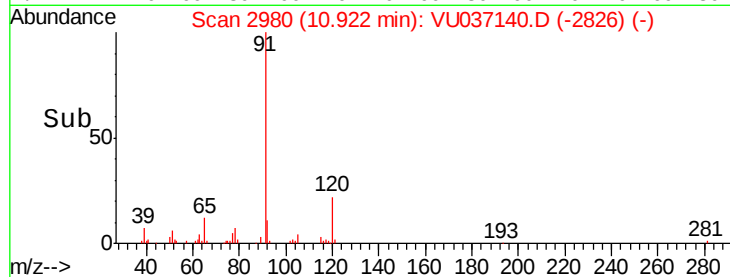
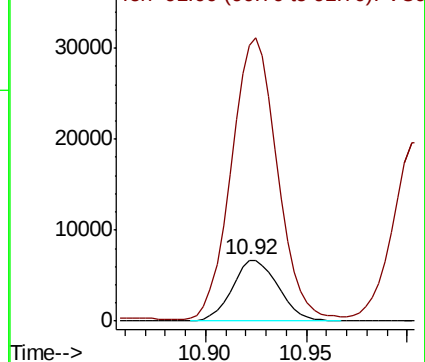
120 100

91 461.4 329.5 494.3



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 1.869 ug/l

RT: 11.01 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VU037140.D

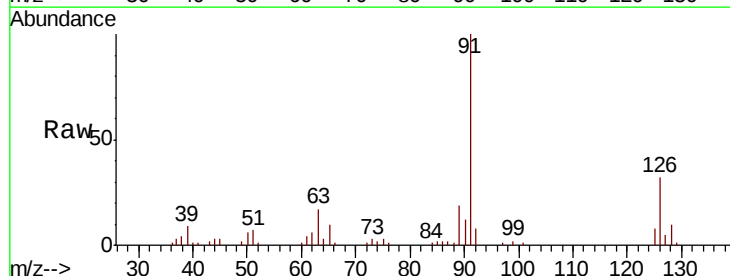
Acq: 09 Mar 2020 18:58

Tgt Ion:126 Resp: 9975

Ion Ratio Lower Upper

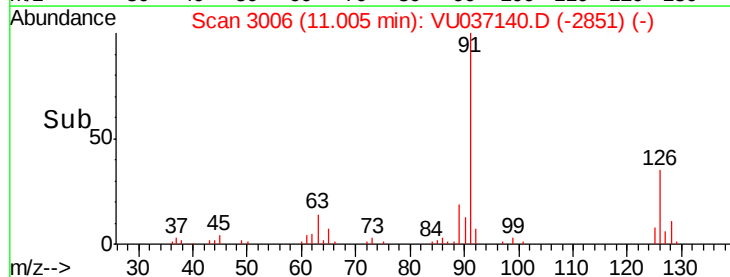
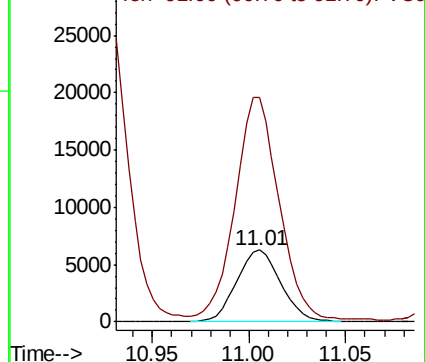
126 100

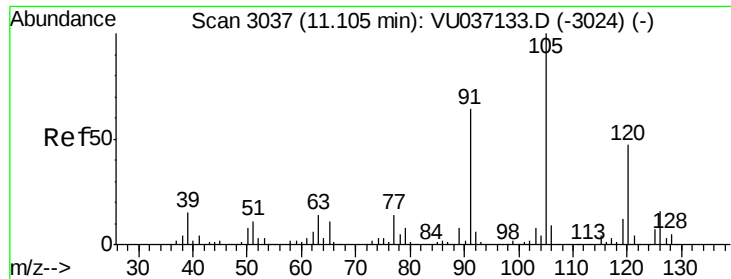
91 311.9 0.0 567.4



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: 1.778 ug/l

RT: 11.10 min Scan# 3037

Delta R.T. -0.00 min

Lab File: VU037140.D

Acq: 09 Mar 2020 18:58

Instrument :

MSVOA_U

ClientSampleId :

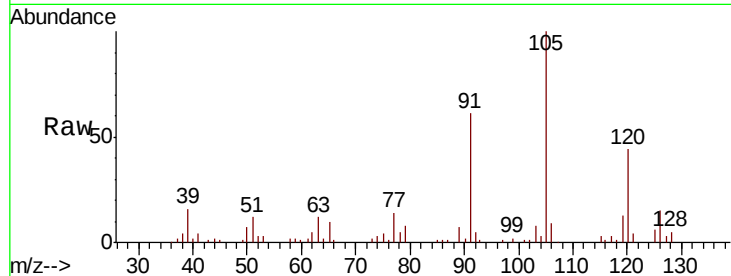
VU0309WBSD01

Tot Ion:105 Resp: 34241

Ion Ratio Lower Upper

105 100

120 46.7 39.8 59.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

25000

20000

15000

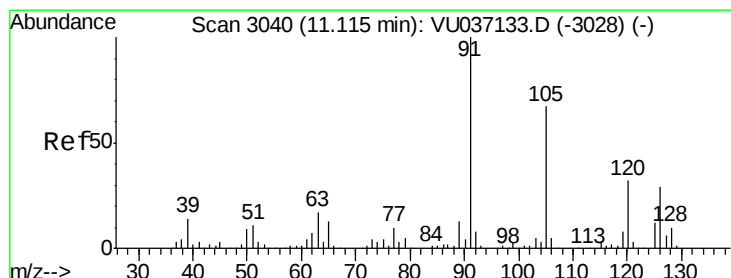
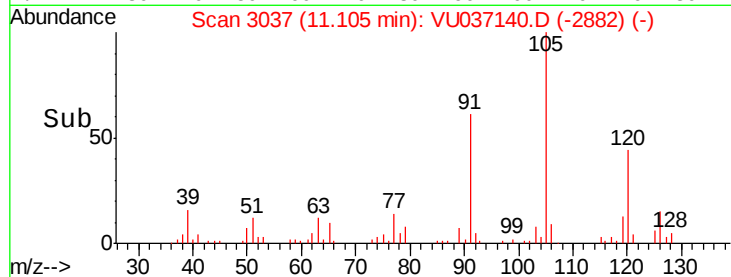
10000

5000

0

11.05 11.10 11.15

Time-->



#76

4-Chlorotoluene

Concen: 1.933 ug/l

RT: 11.12 min Scan# 3041

Delta R.T. 0.00 min

Lab File: VU037140.D

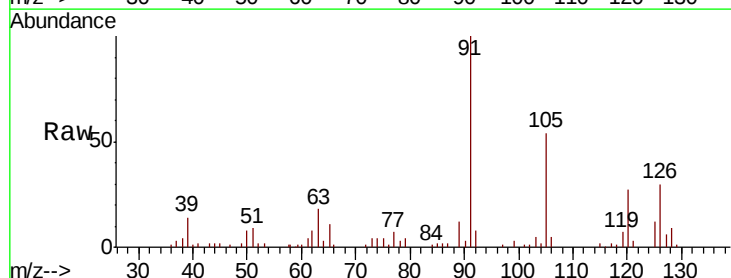
Acq: 09 Mar 2020 18:58

Tgt Ion:126 Resp: 10383

Ion Ratio Lower Upper

126 100

91 356.6 0.0 633.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

25000

20000

15000

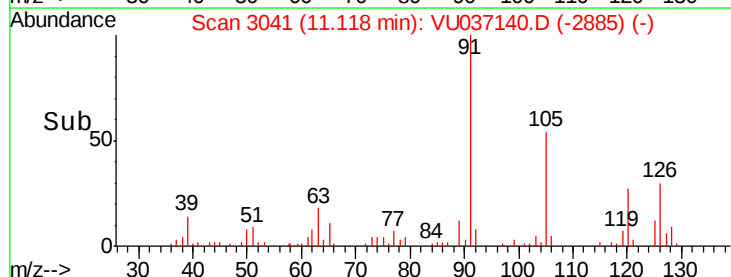
10000

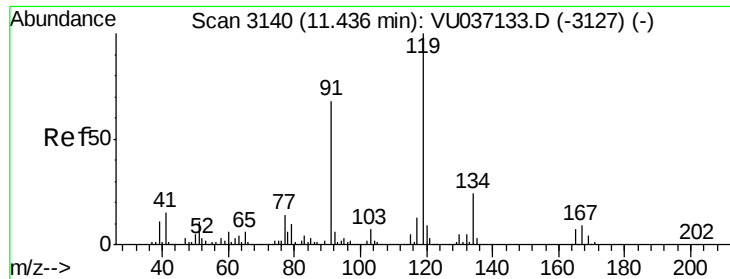
5000

0

11.05 11.10 11.15 11.20

Time-->





#77

tert-Butylbenzene

Concen: 1.818 ug/l

RT: 11.44 min Scan# 3140

Delta R.T. -0.00 min

Lab File: VU037140.D

Acq: 09 Mar 2020 18:58

Instrument :

MSVOA_U

ClientSampleId :

VU0309WBSD01

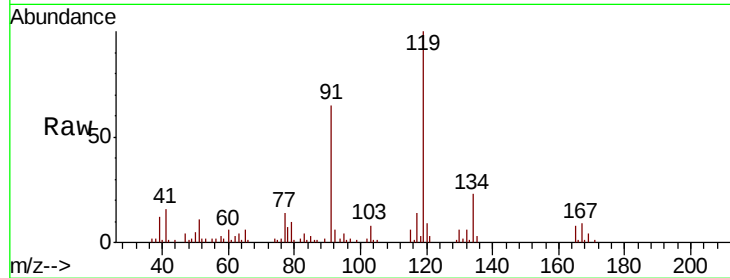
Tot Ion:119 Resp: 34127

Ion Ratio Lower Upper

119 100

91 62.8 29.3 87.8

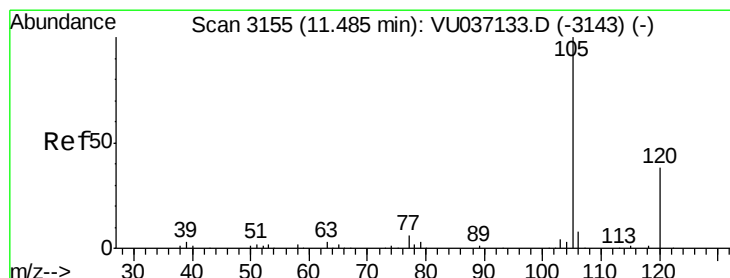
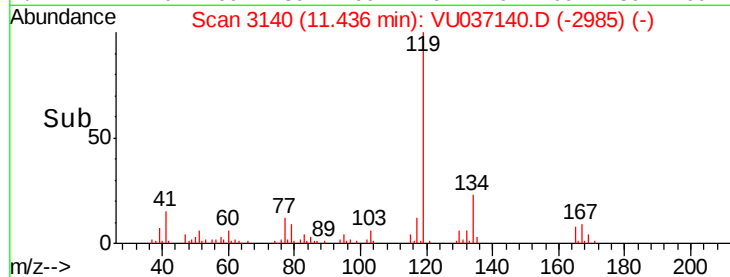
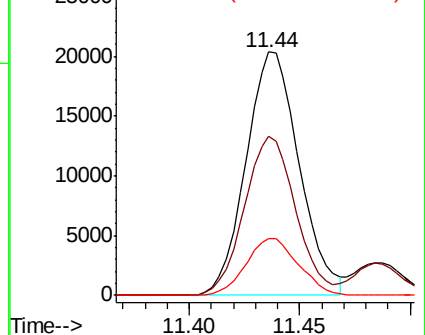
134 22.8 19.0 28.4



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: 1.796 ug/l

RT: 11.48 min Scan# 3155

Delta R.T. -0.00 min

Lab File: VU037140.D

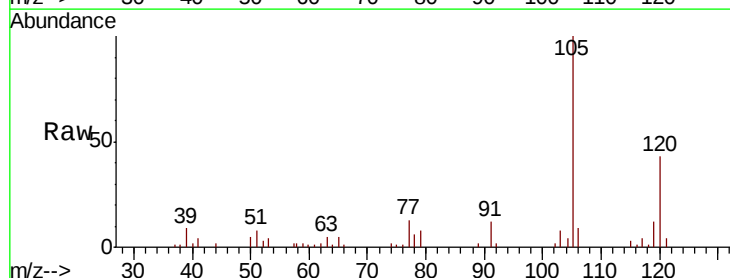
Acq: 09 Mar 2020 18:58

Tgt Ion:105 Resp: 34906

Ion Ratio Lower Upper

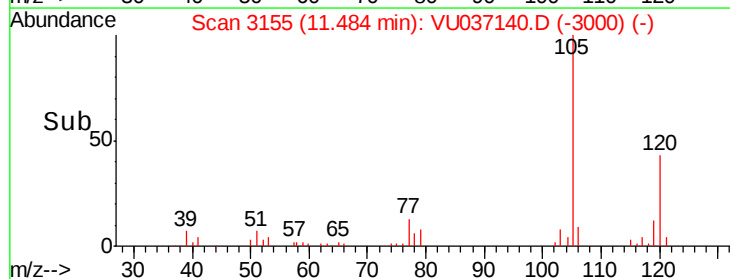
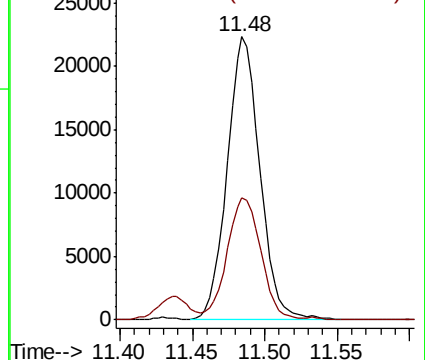
105 100

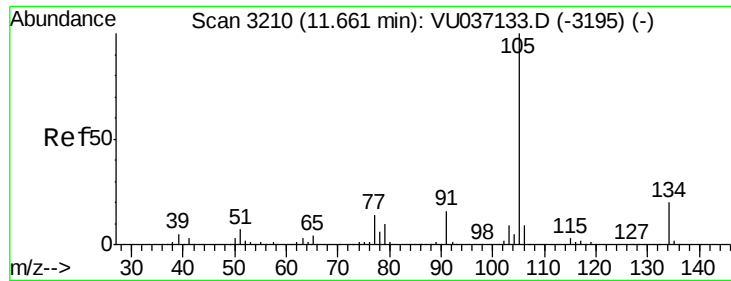
120 43.5 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 1.792 ug/l

RT: 11.66 min Scan# 3210

Delta R.T. -0.00 min

Lab File: VU037140.D

Acq: 09 Mar 2020 18:58

Instrument :

MSVOA_U

ClientSampleId :

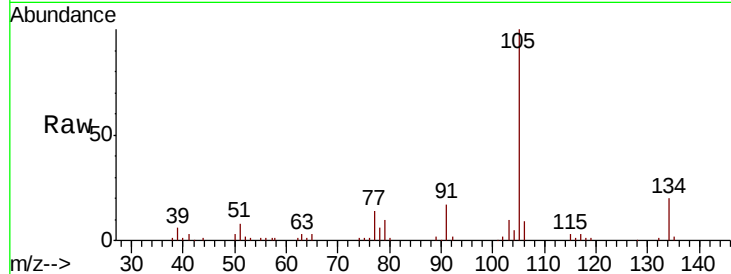
VU0309WBSD01

Tot Ion: 105 Resp: 45773

Ion Ratio Lower Upper

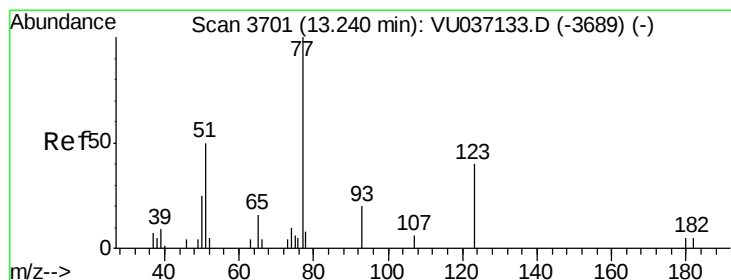
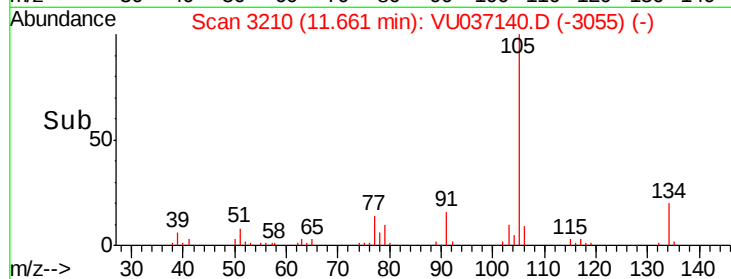
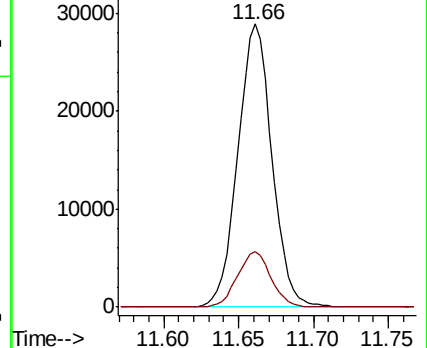
105 100

134 19.2 16.0 24.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 6.071 ug/l

RT: 13.24 min Scan# 3701

Delta R.T. -0.00 min

Lab File: VU037140.D

Acq: 09 Mar 2020 18:58

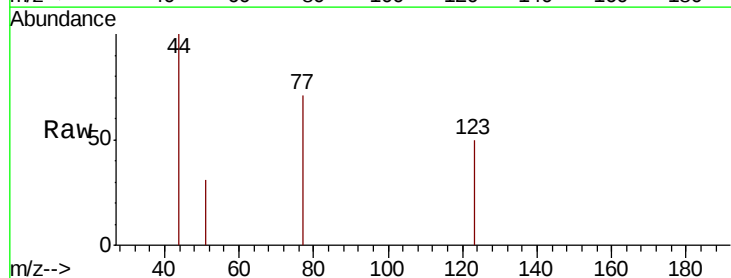
Tgt Ion: 77 Resp: 637

Ion Ratio Lower Upper

77 100

123 36.7 19.6 69.6

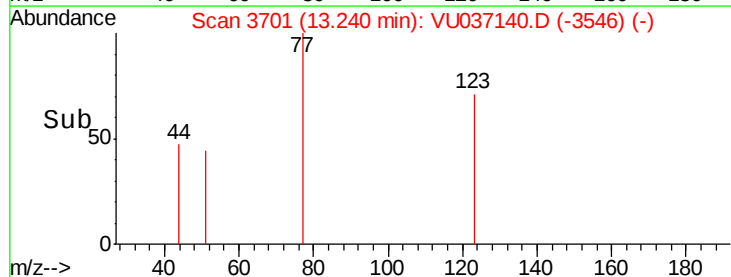
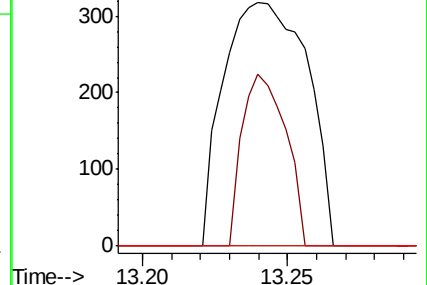
65 0.0 12.7 16.1#

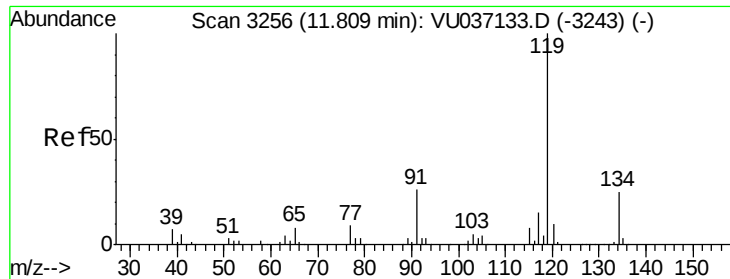


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

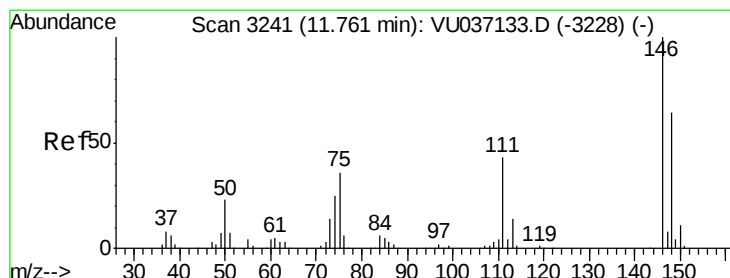
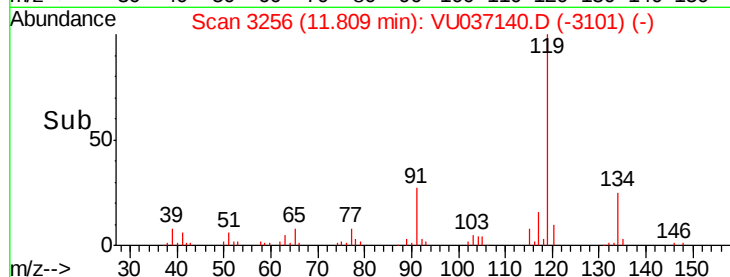
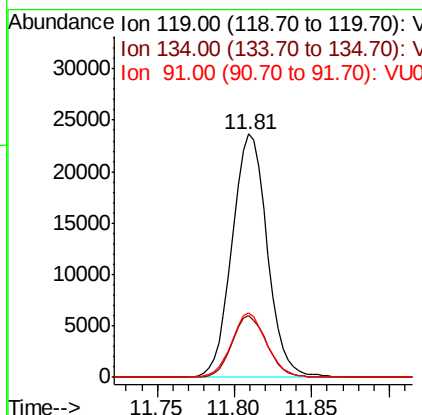
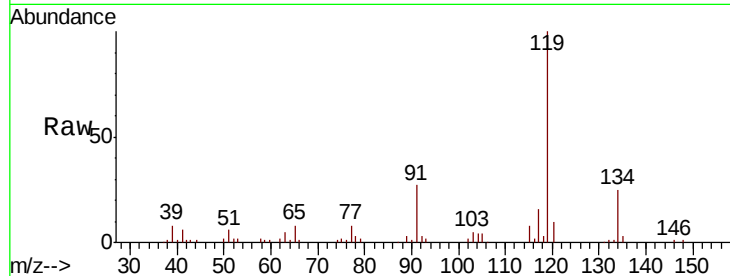




#81
 p-Isopropyltoluene
 Concen: 1.848 ug/l
 RT: 11.81 min Scan# 3256
 Delta R.T. -0.00 min
 Lab File: VU037140.D
 Acq: 09 Mar 2020 18:58

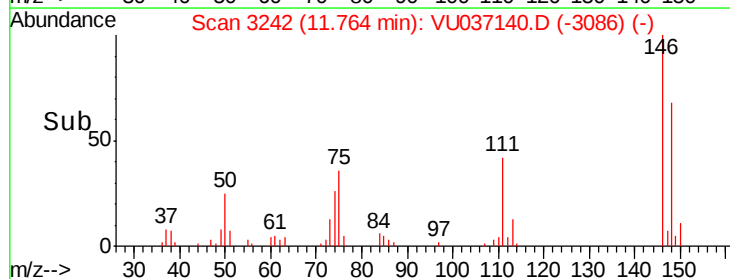
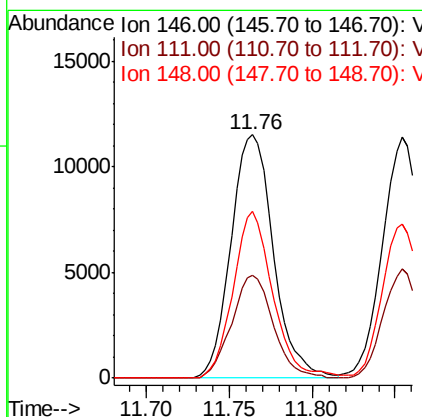
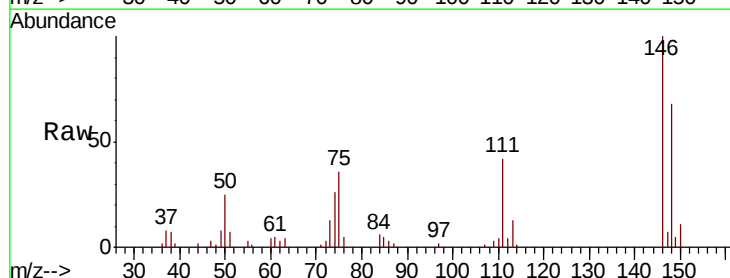
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0309WBSD01

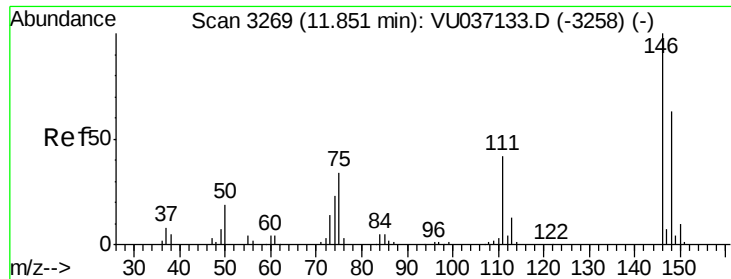
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.2	21.4	32.0
91	26.0	18.3	27.5



#82
 1,3-Dichlorobenzene
 Concen: 1.924 ug/l
 RT: 11.76 min Scan# 3242
 Delta R.T. 0.00 min
 Lab File: VU037140.D
 Acq: 09 Mar 2020 18:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	32.2	48.2
148	64.0	51.4	77.2

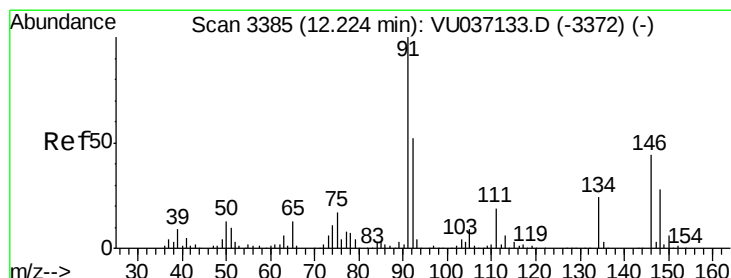
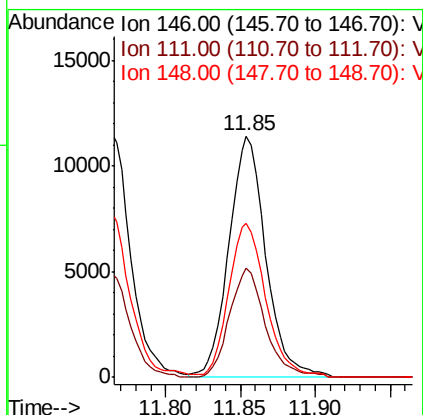
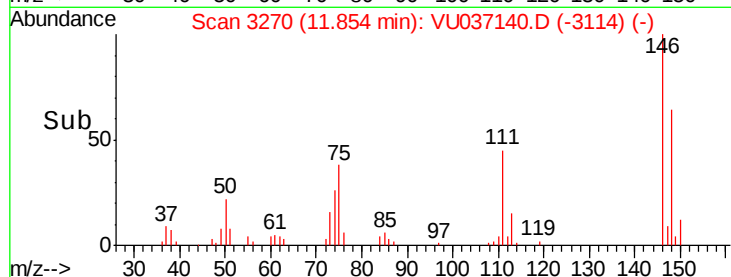
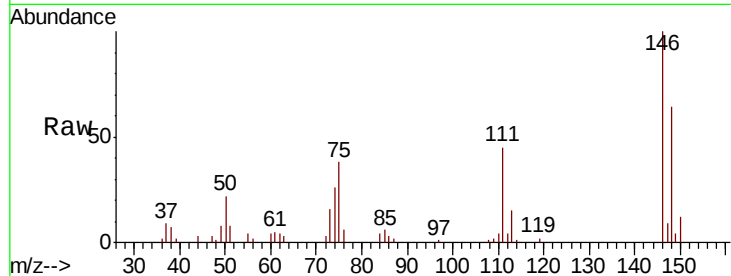




#83
 1,4-Dichlorobenzene
 Concen: 1.819 ug/l
 RT: 11.85 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU037140.D
 Acq: 09 Mar 2020 18:58

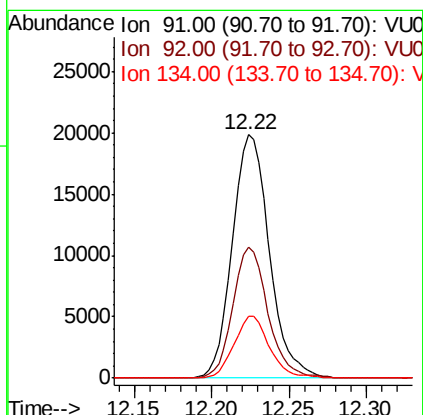
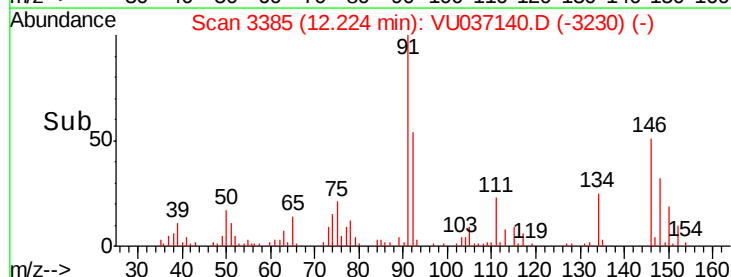
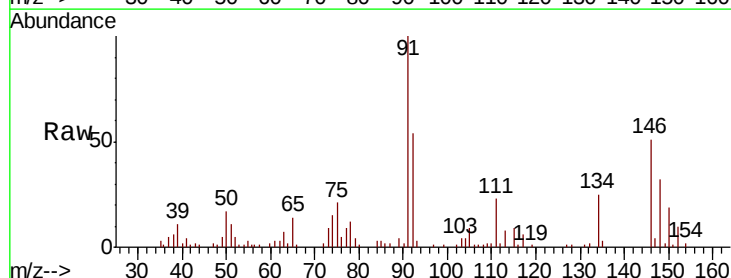
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0309WBSD01

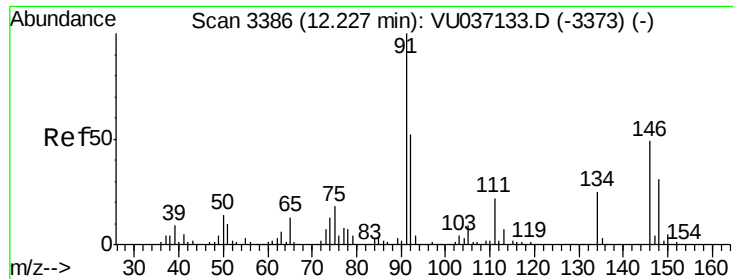
Tot Ion:146 Resp: 19645
 Ion Ratio Lower Upper
 146 100
 111 43.8 30.5 45.7
 148 64.3 51.0 76.4



#84
 n-Butylbenzene
 Concen: 1.730 ug/l
 RT: 12.22 min Scan# 3385
 Delta R.T. -0.00 min
 Lab File: VU037140.D
 Acq: 09 Mar 2020 18:58

Tgt Ion: 91 Resp: 33000
 Ion Ratio Lower Upper
 91 100
 92 50.9 42.9 64.3
 134 24.1 21.4 32.0

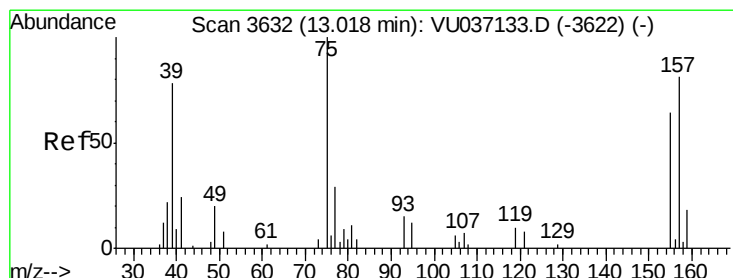
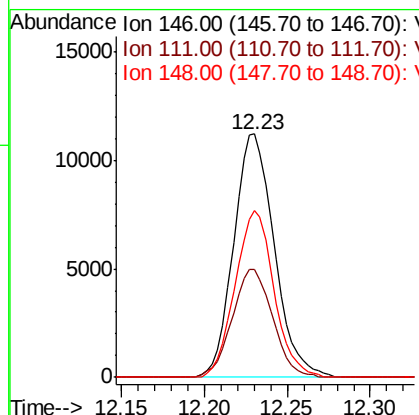
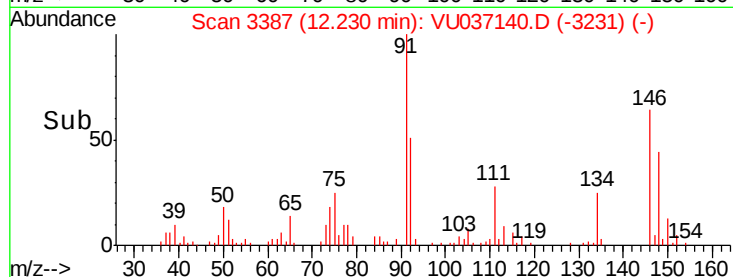
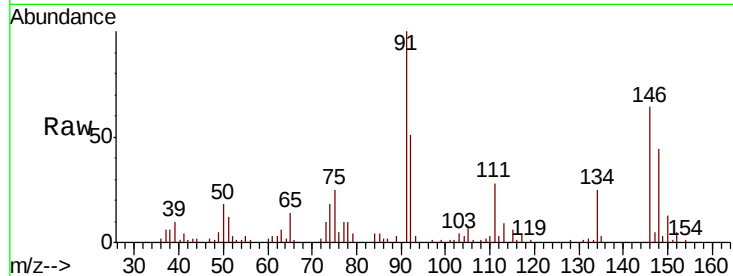




#85
 1,2-Dichlorobenzene
 Concen: 1.853 ug/l
 RT: 12.23 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU037140.D
 Acq: 09 Mar 2020 18:58

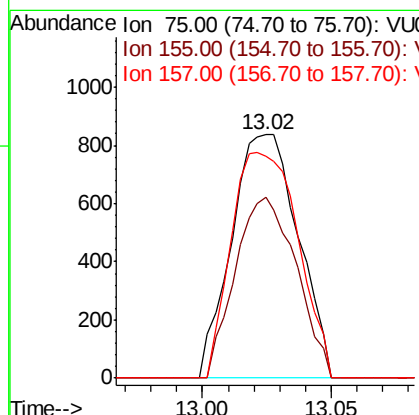
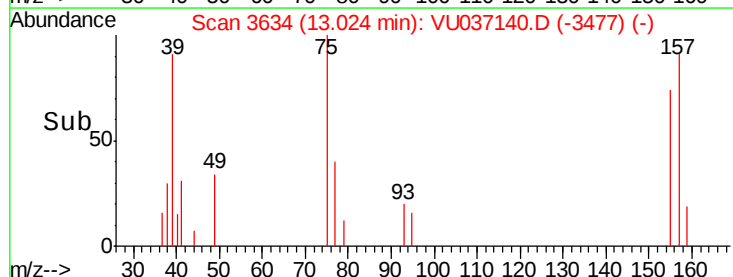
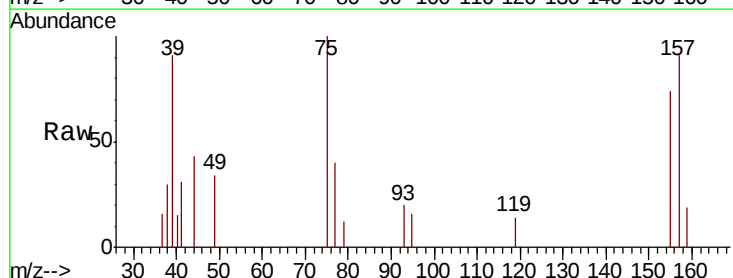
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0309WBSD01

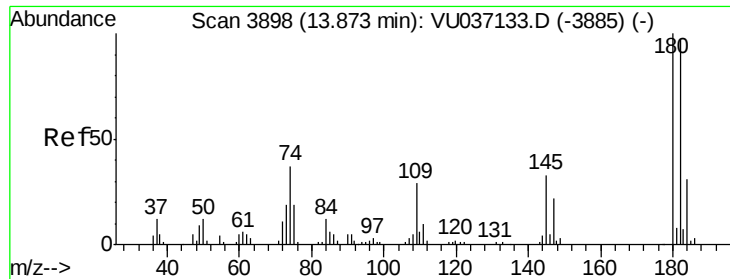
Tot Ion:146 Resp: 19114
 Ion Ratio Lower Upper
 146 100
 111 44.1 20.8 62.4
 148 65.3 32.0 96.2



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 1.779 ug/l
 RT: 13.02 min Scan# 3634
 Delta R.T. 0.01 min
 Lab File: VU037140.D
 Acq: 09 Mar 2020 18:58

Tgt Ion: 75 Resp: 1505
 Ion Ratio Lower Upper
 75 100
 155 68.1 71.8 107.8#
 157 93.0 92.4 138.6

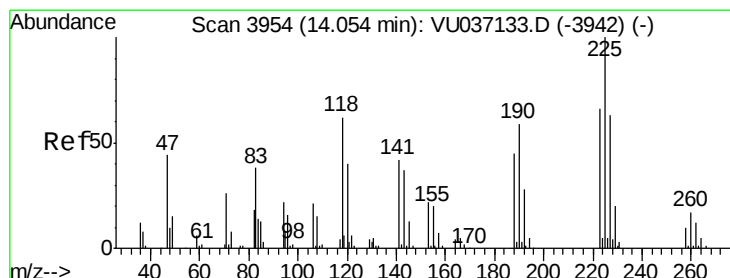
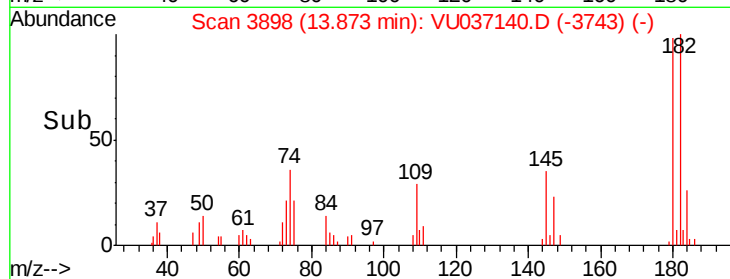
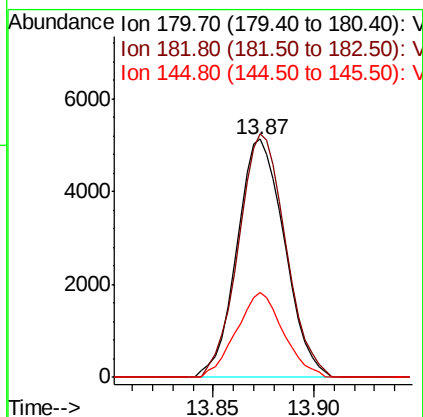
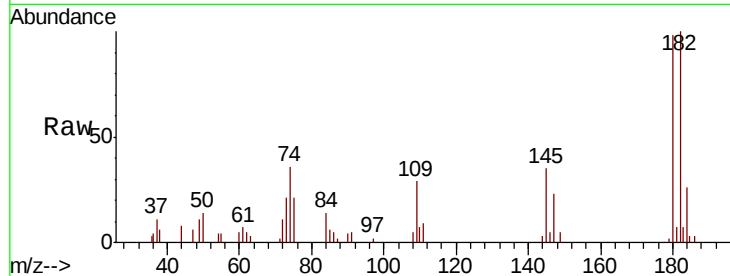




#87
 1,2,4-Trichlorobenzene
 Concen: 1.635 ug/l
 RT: 13.87 min Scan# 3898
 Delta R.T. -0.00 min
 Lab File: VU037140.D
 Acq: 09 Mar 2020 18:58

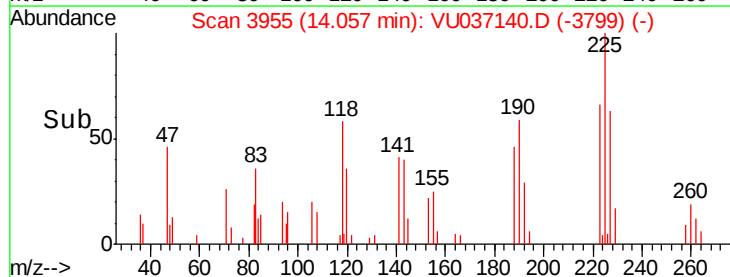
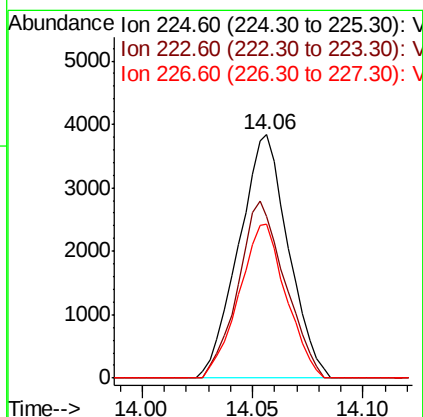
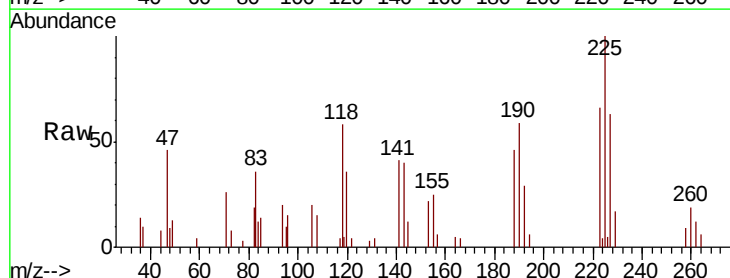
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0309WBSD01

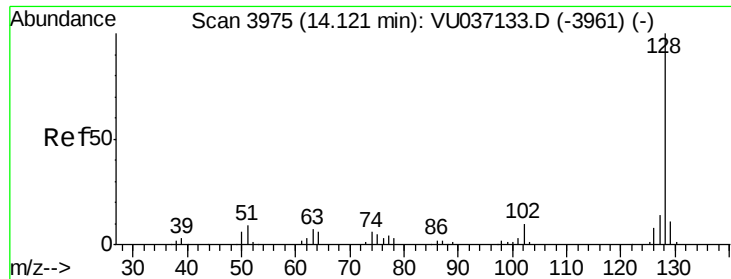
Tot Ion:180 Resp: 8481
 Ion Ratio Lower Upper
 180 100
 182 101.3 75.9 113.9
 145 35.2 23.4 35.2#



#88
 Hexachlorobutadiene
 Concen: 1.861 ug/l
 RT: 14.06 min Scan# 3955
 Delta R.T. 0.00 min
 Lab File: VU037140.D
 Acq: 09 Mar 2020 18:58

Tgt Ion:225 Resp: 5973
 Ion Ratio Lower Upper
 225 100
 223 68.6 51.7 77.5
 227 60.0 50.6 75.8





#89

Naphthalene

Concen: 1.438 ug/l

RT: 14.12 min Scan# 3976

Delta R.T. 0.00 min

Lab File: VU037140.D

Acq: 09 Mar 2020 18:58

Instrument :

MSVOA_U

ClientSampleId :

VU0309WBSD01

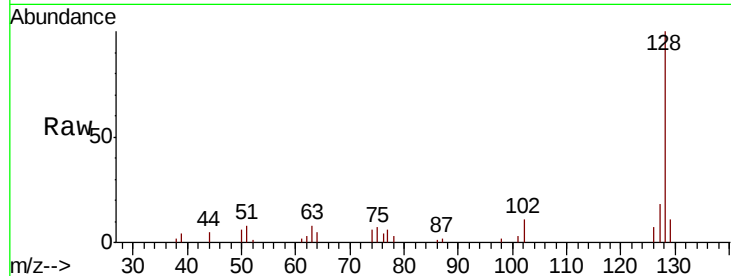
Tot Ion:128 Resp: 12663

Ion Ratio Lower Upper

128 100

127 16.3 10.5 15.7#

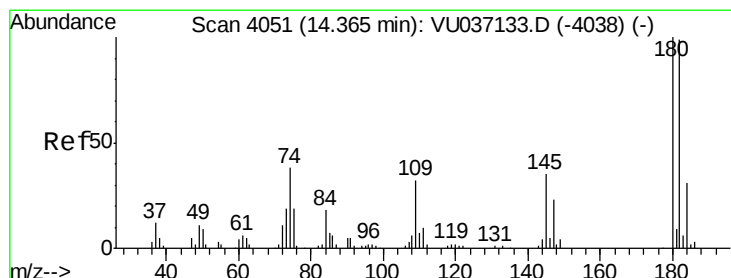
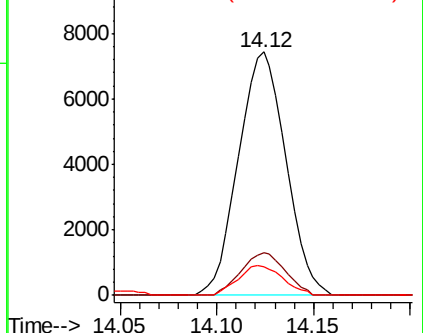
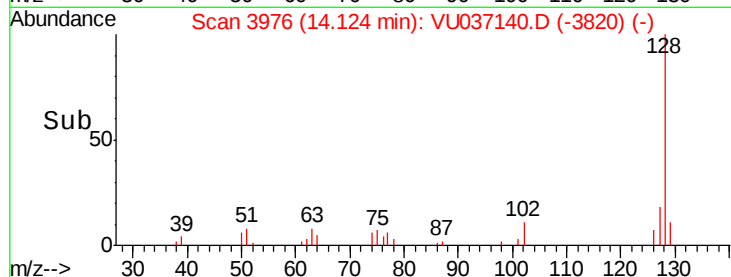
129 11.4 8.7 13.1



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: 1.805 ug/l

RT: 14.37 min Scan# 4051

Delta R.T. -0.00 min

Lab File: VU037140.D

Acq: 09 Mar 2020 18:58

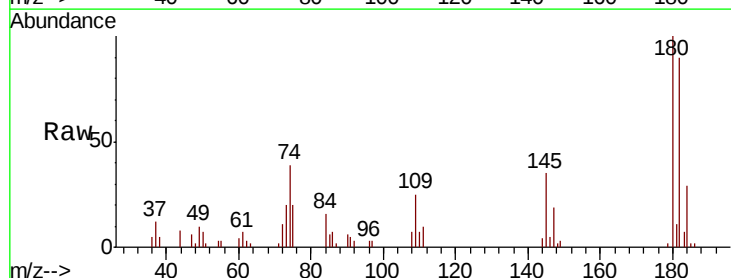
Tgt Ion:180 Resp: 9109

Ion Ratio Lower Upper

180 100

182 93.1 76.2 114.4

145 33.5 25.2 37.8



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

