

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102220\
 Data File : VU040919.D
 Acq On : 22 Oct 2020 23:24
 Operator : SY/MD
 Sample : L4214-07 0.25PPB
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

Quant Time: Oct 23 07:04:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U102220DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Oct 23 07:00:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.13	96	51857	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.63	95	14793	0.78	ug/l	0.00
Spiked Amount 1.000			Recovery	=	78.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	15976	0.81	ug/l	0.00
Spiked Amount 1.000			Recovery	=	81.00%	

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	5631	0.233	ug/l 99
3) Chloromethane	1.53	50	6514	0.258	ug/l 96
4) Vinyl Chloride	1.61	62	5415	0.231	ug/l # 86
5) Bromomethane	1.87	94	3816	0.277	ug/l 91
6) Chloroethane	1.94	64	3849	0.268	ug/l 100
7) Trichlorofluoromethane	2.15	101	7883	0.266	ug/l 97
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	3825	0.232	ug/l 99
9) 1,1-Dichloroethene	2.59	96	3597	0.250	ug/l 85
10) Iodomethane	2.74	142	2794	0.200	ug/l 98
11) Allyl Chloride	2.94	41	7927	0.268	ug/l 94
12) Acrylonitrile	3.34	53	2474	0.489	ug/l # 65
13) Acetone	2.66	43	6139	1.449	ug/l # 78
14) Carbon Disulfide	2.81	76	14036	0.260	ug/l 99
15) Methylene Chloride	3.06	84	6918	0.371	ug/l 92
16) trans-1,2-Dichloroethene	3.37	96	4256	0.262	ug/l 99
18) 2-Butanone	4.75	43	8499	1.240	ug/l 96
19) Cyclohexane	5.40	56	6711	0.214	ug/l 94
21) 2,2-Dichloropropane	4.68	77	7460	0.266	ug/l # 74
22) cis-1,2-Dichloroethene	4.69	96	4900	0.283	ug/l 95
23) Diethyl Ether	2.39	59	3707	0.261	ug/l 91
24) tert-Butyl Alcohol	3.21	59	1552	0.981	ug/l # 72
25) Methyl tert-Butyl Ether	3.39	73	10585	0.238	ug/l # 88
26) Bromochloromethane	4.99	128	2078	0.276	ug/l 93
27) Chloroform	5.11	83	8090	0.255	ug/l 98
28) 1,1,1-Trichloroethane	5.33	97	7153	0.261	ug/l 97
29) 1,1-Dichloropropene	5.54	75	5821	0.243	ug/l 94
30) Carbon Tetrachloride	5.54	117	5734	0.231	ug/l 96
31) Isopropyl Ether	4.02	45	13722	0.267	ug/l 87
32) Ethyl-t-butyl ether	4.53	59	10533	0.233	ug/l # 70
33) Tert-Amyl methyl ether	5.96	73	7176	0.213	ug/l 96
34) Propionitrile	4.81	54	604	0.321	ug/l # 76
35) Benzene	5.78	78	14271	0.215	ug/l 98
36) 1,2-Dichloroethane	5.82	62	6094	0.247	ug/l # 84
37) Trichloroethene	6.55	130	3659	0.233	ug/l 98
38) 1,2-Dichloropropane	6.81	63	3823	0.203	ug/l # 86
39) Methacrylonitrile	5.01	41	2467	0.280	ug/l # 77
41) Tetrahydrofuran	5.10	42	1532	0.338	ug/l # 67
42) 1-Chlorobutane	5.48	56	9243	0.255	ug/l 92
43) Dibromomethane	6.93	93	2474	0.234	ug/l # 76
44) Bromodichloromethane	7.12	83	5372	0.219	ug/l 97
45) 4-Methyl-2-Pentanone	7.81	43	13843	0.997	ug/l 99

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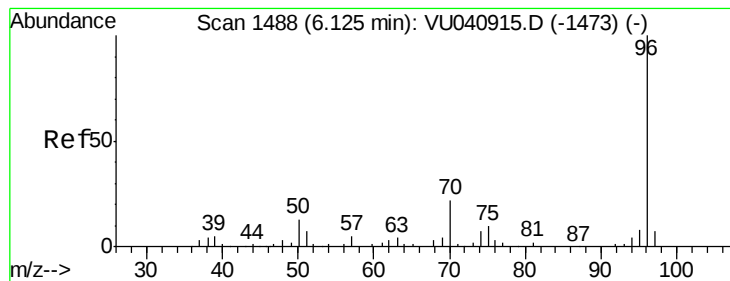
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

Quant Time: Oct 23 07:04:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U102220DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Oct 23 07:00:16 2020
 Response via : Initial Calibration

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

46) t-1,4-Dichloro-2-butene	10.83	75	5535	1.008	ug/l #	42
47) Methyl methacrylate	6.98	69	3071	0.348	ug/l #	85
50) t-1,3-Dichloropropene	8.22	75	4433	0.209	ug/l	90
52) 1,1,2-Trichloroethane	8.40	97	3207	0.240	ug/l #	84
53) 1,3-Dichloropropane	8.58	76	5159	0.215	ug/l	99
54) 2-Hexanone	8.70	43	9478	0.977	ug/l	91
55) Dibromochloromethane	8.81	129	3758	0.234	ug/l	97
56) 1,2-Dibromoethane	8.93	107	2981	0.240	ug/l	84
58) Tetrachloroethene	8.55	164	3080	0.209	ug/l	86
60) 1,1,1,2-Tetrachloroethane	9.54	131	3234	0.213	ug/l	94
61) Pentachloroethane	11.42	117	2901	0.236	ug/l	95
62) Hexachloroethane	12.47	117	2688	0.215	ug/l	99
64) m/p-Xylenes	9.69	106	6834	0.280	ug/l	88
67) Bromoform	10.29	173	1970	0.227	ug/l #	89
70) 1,1,2,2-Tetrachloroethane	10.78	83	4120	0.226	ug/l #	95
71) 1,2,3-Trichloropropane	10.83	75	5535	0.399	ug/l	67
80) Nitrobenzene	13.20	77	706	0.820	ug/l #	63
88) Hexachlorobutadiene	14.01	225	2464	0.229	ug/l	95

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.13 min Scan# 1489

Delta R.T. 0.00 min

Lab File: VU040919.D

Acq: 22 Oct 2020 23:24

Instrument :

MSVOA_U

ClientSampleId :

BFB

Tot Ion: 96 Resp: 51857

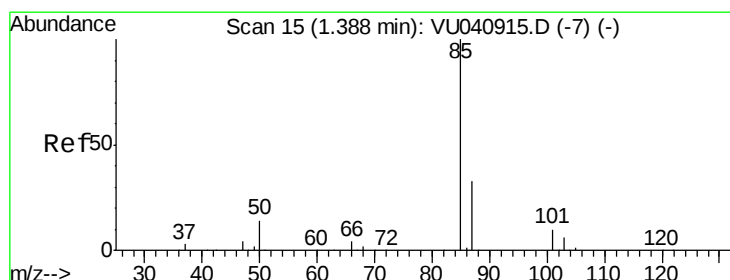
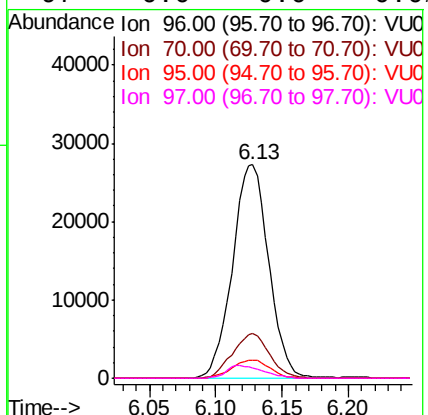
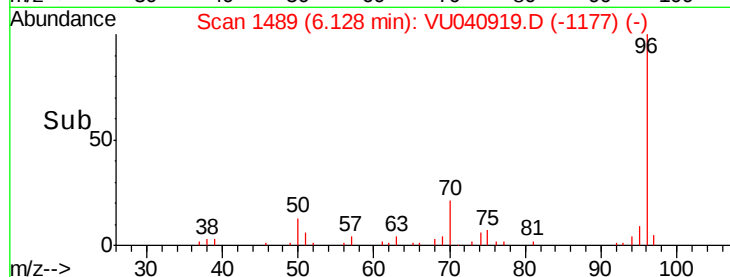
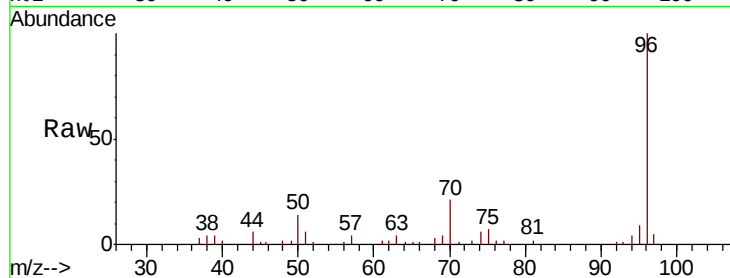
Ion Ratio Lower Upper

96 100

70 21.3 16.3 24.5

95 8.7 7.3 10.9

97 6.0 0.0 0.0#



#2

Dichlorodifluoromethane

Concen: 0.233 ug/l

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU040919.D

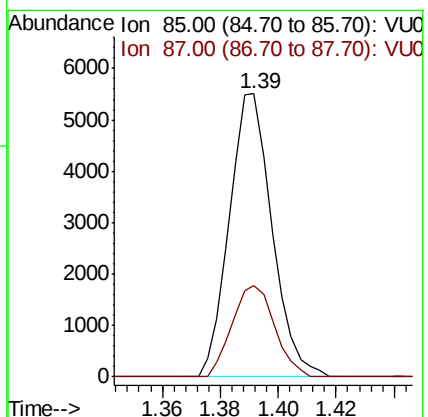
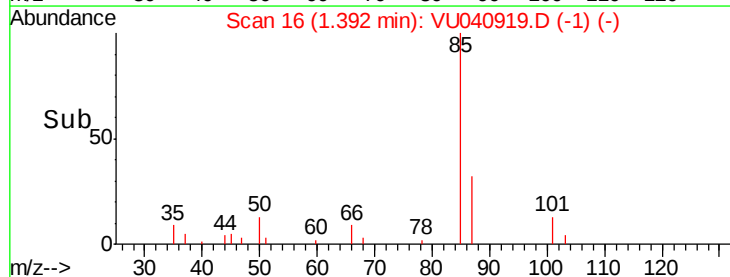
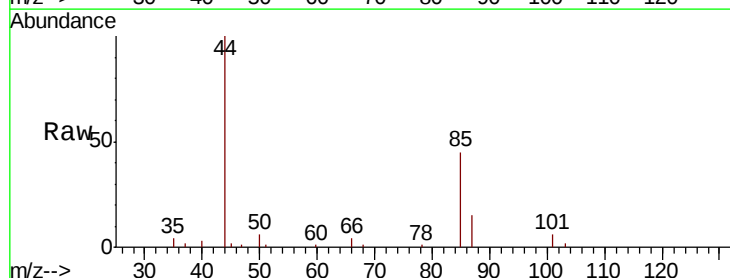
Acq: 22 Oct 2020 23:24

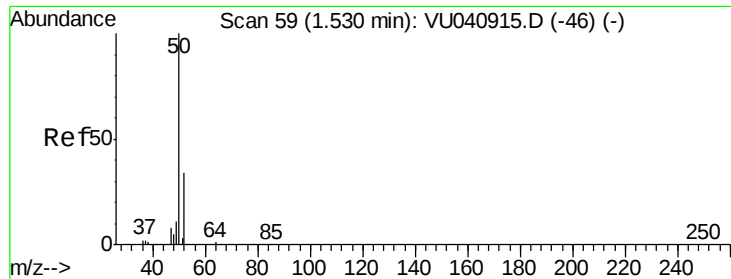
Tgt Ion: 85 Resp: 5631

Ion Ratio Lower Upper

85 100

87 32.5 16.5 49.5





#3

Chloromethane

Concen: 0.258 ug/l

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040919.D

Acq: 22 Oct 2020 23:24

Instrument :

MSVOA_U

ClientSampleId :

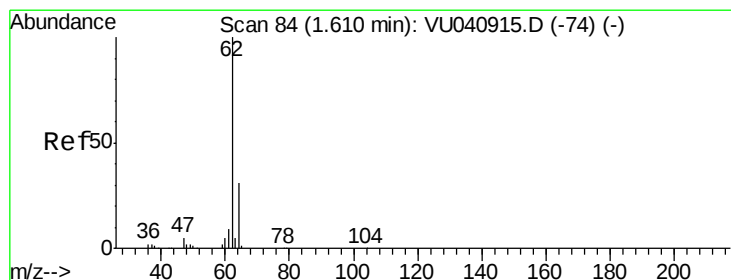
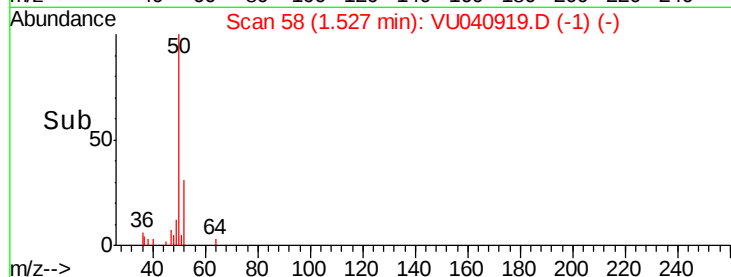
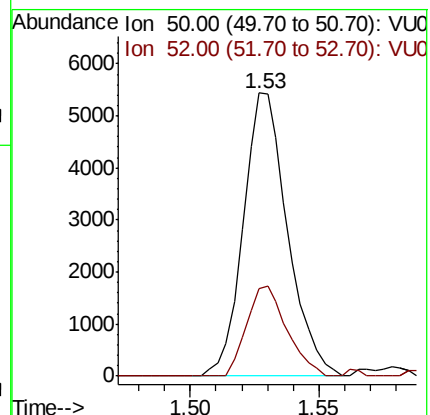
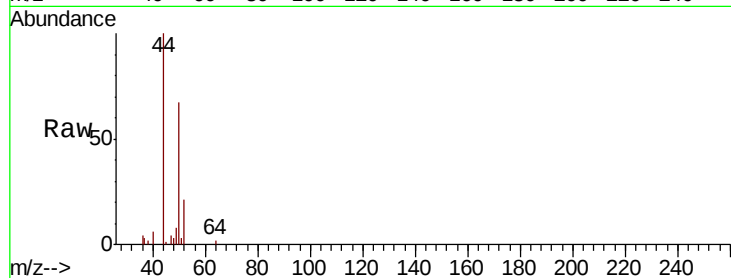
BFB

Tot Ion: 50 Resp: 6514

Ion Ratio Lower Upper

50 100

52 31.1 26.9 40.3



#4

Vinyl Chloride

Concen: 0.231 ug/l

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040919.D

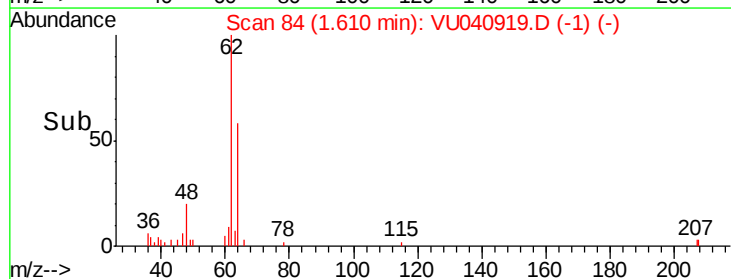
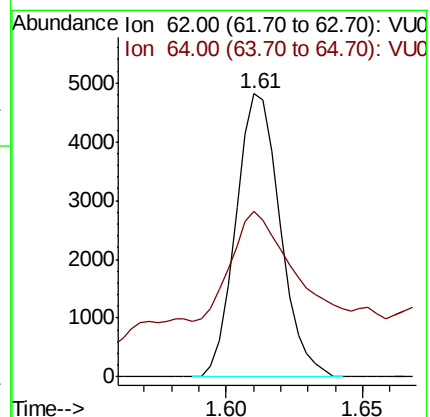
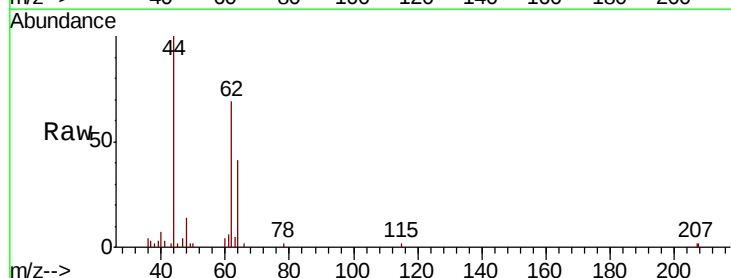
Acq: 22 Oct 2020 23:24

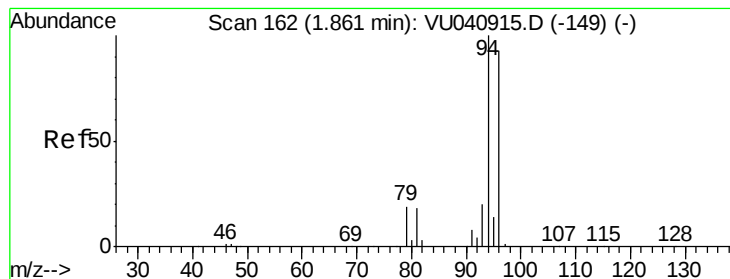
Tgt Ion: 62 Resp: 5415

Ion Ratio Lower Upper

62 100

64 38.7 24.7 37.1#





#5

Bromomethane

Concen: 0.277 ug/l

RT: 1.87 min Scan# 164

Delta R.T. 0.01 min

Lab File: VU040919.D

Acq: 22 Oct 2020 23:24

Instrument :

MSVOA_U

ClientSampled :

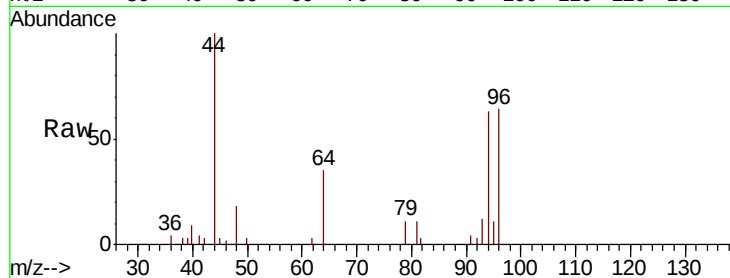
BFB

Tot Ion: 94 Resp: 3816

Ion Ratio Lower Upper

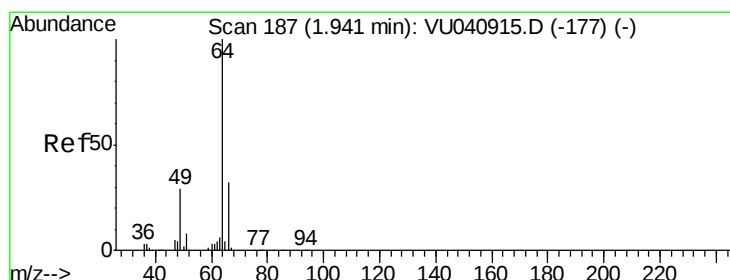
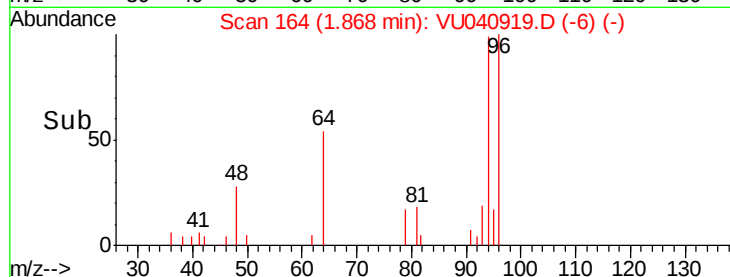
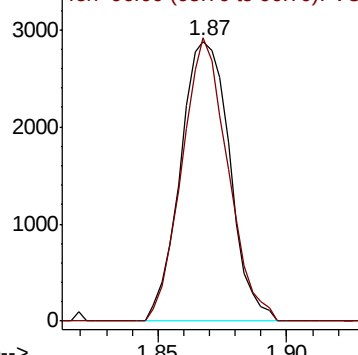
94 100

96 101.3 74.4 111.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 0.268 ug/l

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU040919.D

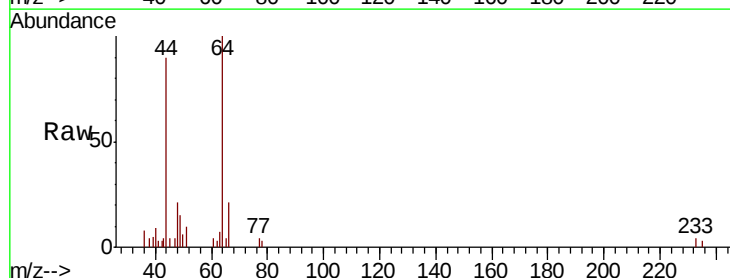
Acq: 22 Oct 2020 23:24

Tgt Ion: 64 Resp: 3849

Ion Ratio Lower Upper

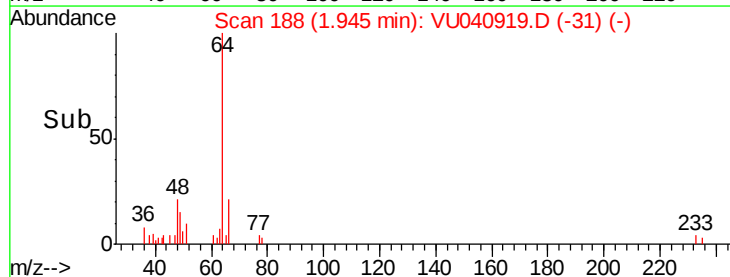
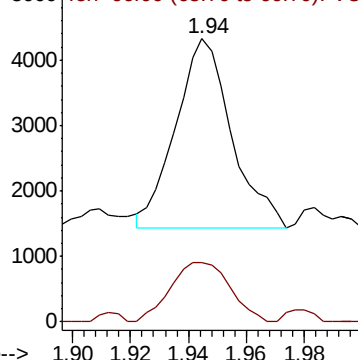
64 100

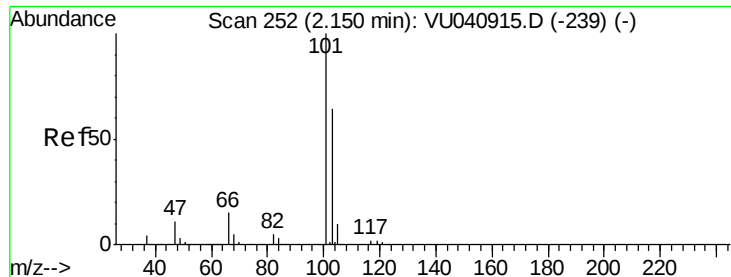
66 31.6 25.4 38.2



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



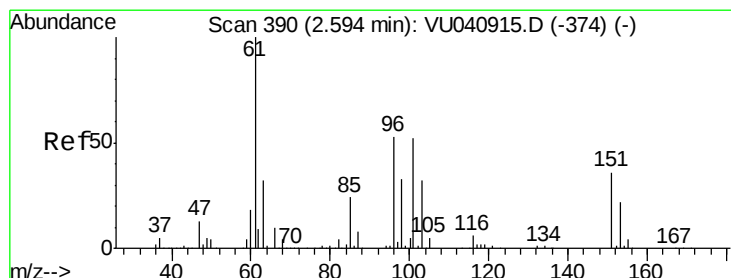
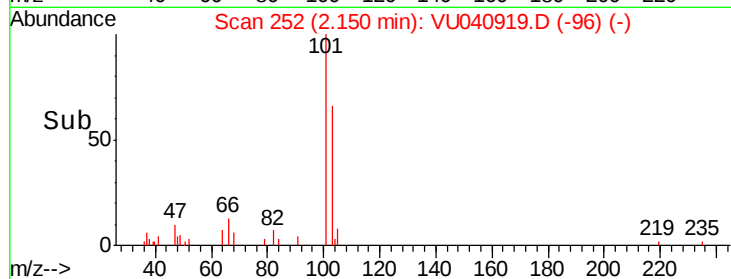
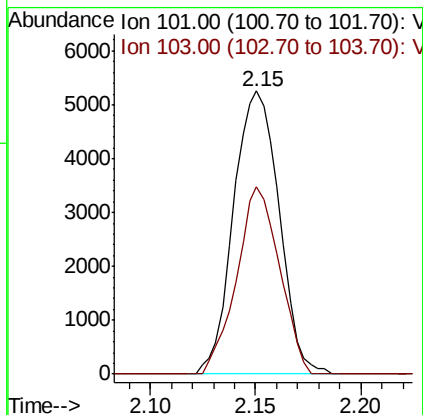
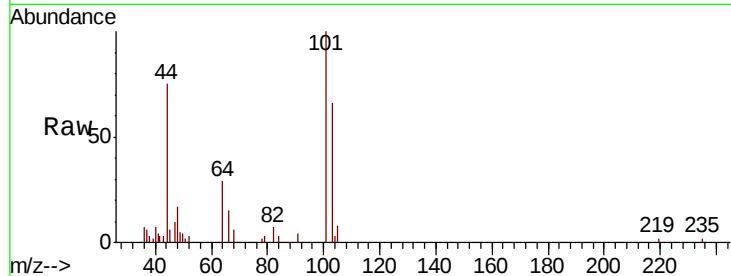


#7

Trichlorofluoromethane
 Concen: 0.266 ug/l
 RT: 2.15 min Scan# 252
 Delta R.T. 0.00 min
 Lab File: VU040919.D
 Acq: 22 Oct 2020 23:24

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

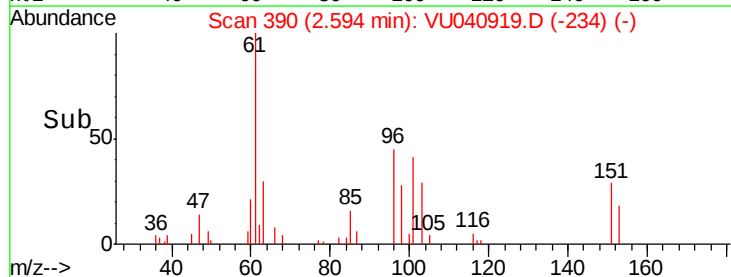
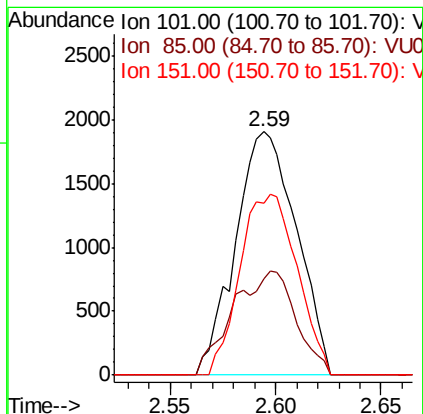
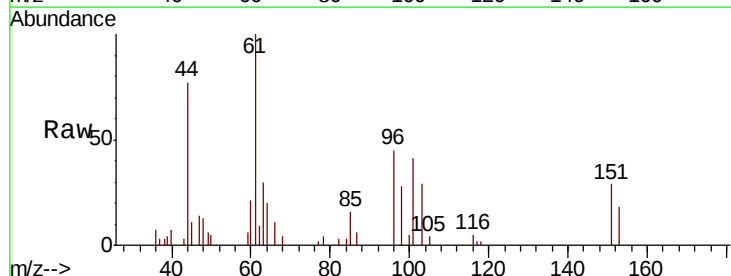
Tot Ion:101 Resp: 7883
 Ion Ratio Lower Upper
 101 100
 103 66.4 51.5 77.3

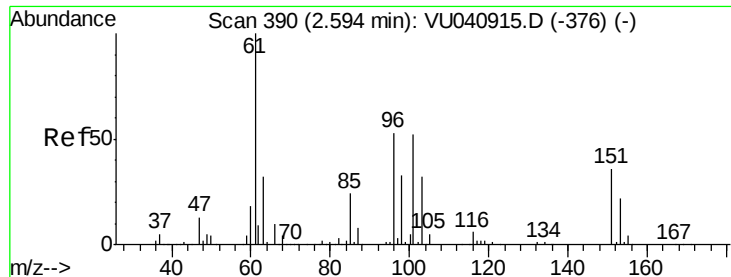


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.232 ug/l
 RT: 2.59 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VU040919.D
 Acq: 22 Oct 2020 23:24

Tgt Ion:101 Resp: 3825
 Ion Ratio Lower Upper
 101 100
 85 44.2 36.2 54.2
 151 69.6 55.1 82.7





#9

1,1-Dichloroethene

Concen: 0.250 ug/l

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040919.D

Acq: 22 Oct 2020 23:24

Instrument :

MSVOA_U

ClientSampleId :

BFB

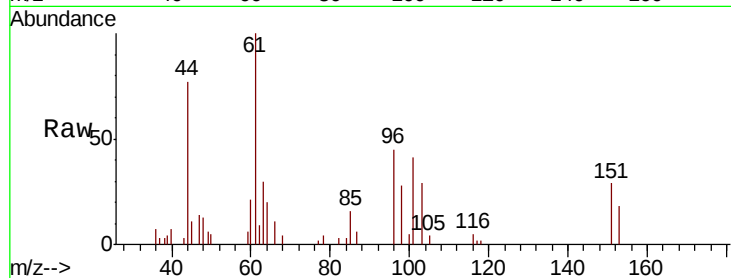
Tot Ion: 96 Resp: 3597

Ion Ratio Lower Upper

96 100

61 216.8 0.0 561.9

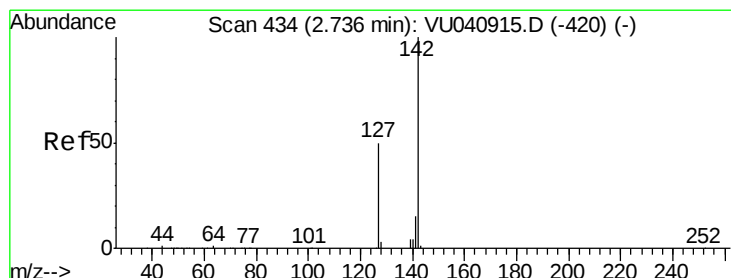
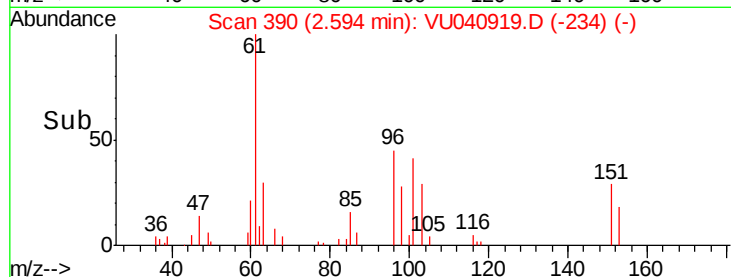
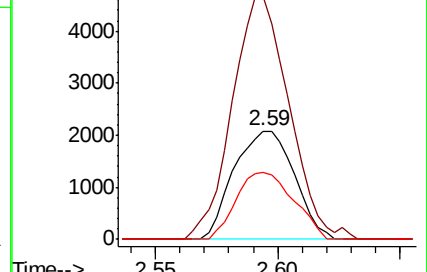
98 61.8 0.0 125.0



Abundance Ion 96.00 (95.70 to 96.70): VU040919.D (-376) (-)

Ion 61.00 (60.70 to 61.70): VU040919.D (-376) (-)

Ion 98.00 (97.70 to 98.70): VU040919.D (-376) (-)



#10

Iodomethane

Concen: 0.200 ug/l

RT: 2.74 min Scan# 435

Delta R.T. 0.00 min

Lab File: VU040919.D

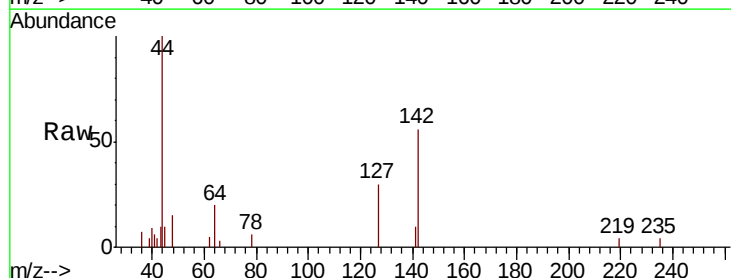
Acq: 22 Oct 2020 23:24

Tgt Ion: 142 Resp: 2794

Ion Ratio Lower Upper

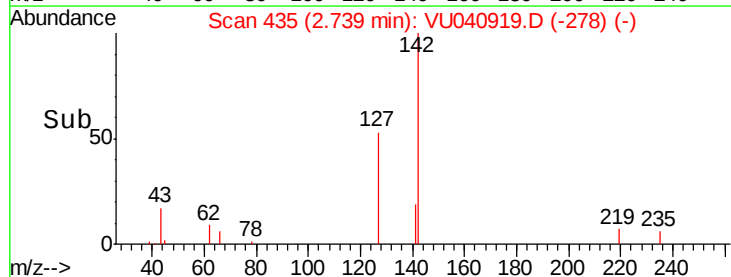
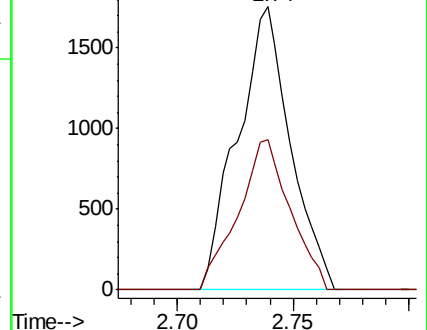
142 100

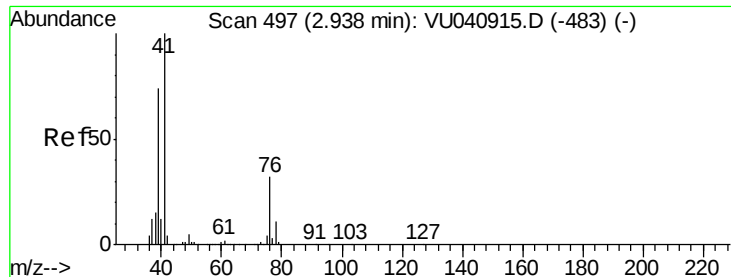
127 52.0 40.6 60.8



Abundance Ion 142.00 (141.70 to 142.70): VU040919.D (-420) (-)

Ion 127.00 (126.70 to 127.70): VU040919.D (-420) (-)

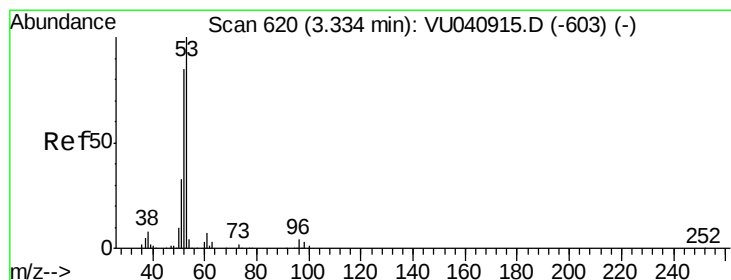
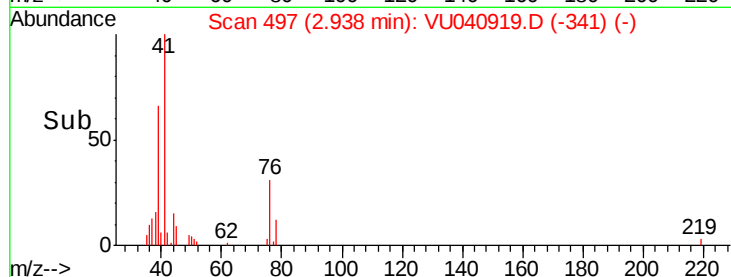
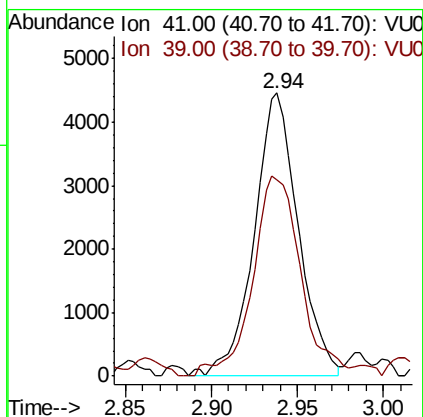
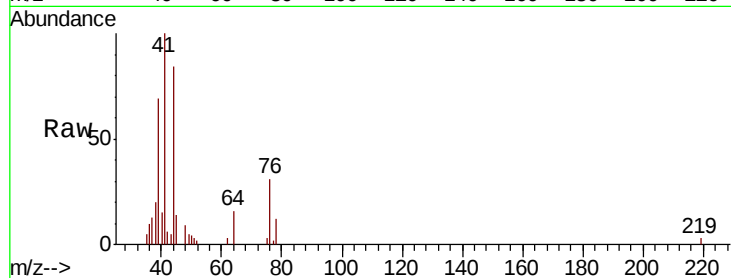




#11
Allvl Chloride
Concen: 0.268 ug/l
RT: 2.94 min Scan# 497
Delta R.T. 0.00 min
Lab File: VU040919.D
Acq: 22 Oct 2020 23:24

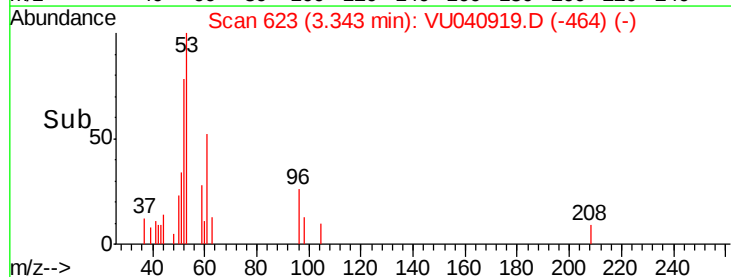
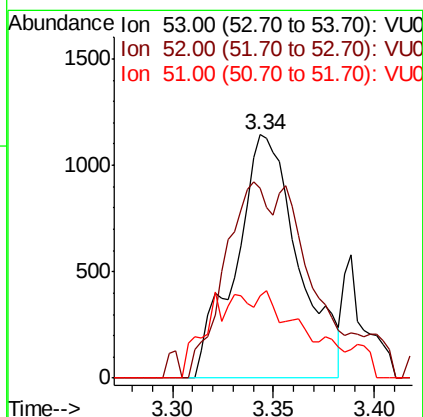
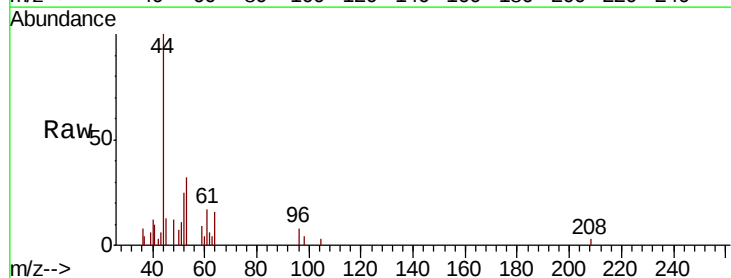
Instrument :
MSVOA_U
ClientSampleId :
BFB

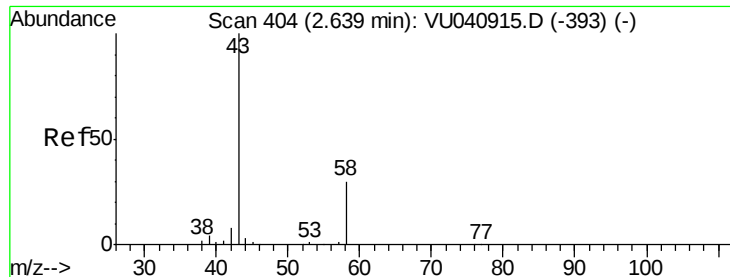
Tot Ion: 41 Resp: 7927
Ion Ratio Lower Upper
41 100
39 68.3 59.0 88.4



#12
Acrylonitrile
Concen: 0.489 ug/l
RT: 3.34 min Scan# 623
Delta R.T. 0.01 min
Lab File: VU040919.D
Acq: 22 Oct 2020 23:24

Tgt Ion: 53 Resp: 2474
Ion Ratio Lower Upper
53 100
52 60.0 63.1 94.7#
51 0.0 30.6 46.0#





#13

Acetone

Concen: 1.449 ug/l

RT: 2.66 min Scan# 412

Delta R.T. 0.03 min

Lab File: VU040919.D

Acq: 22 Oct 2020 23:24

Instrument :

MSVOA_U

ClientSampleId :

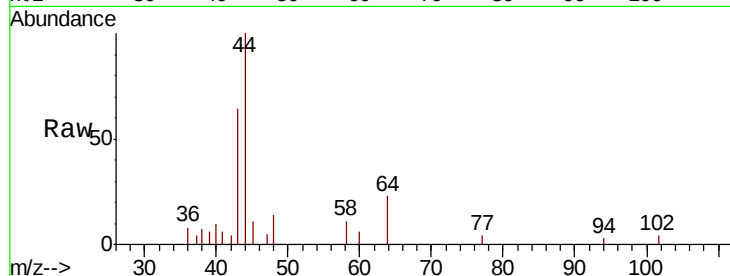
BFB

Tot Ion: 43 Resp: 6139

Ion Ratio Lower Upper

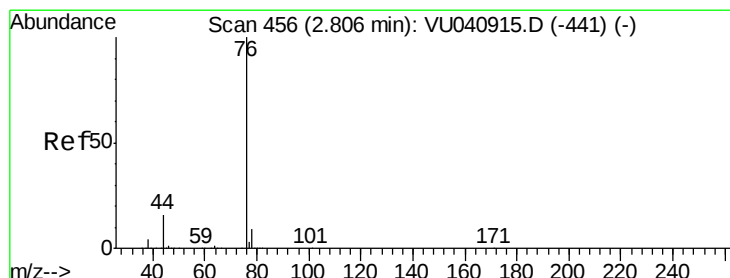
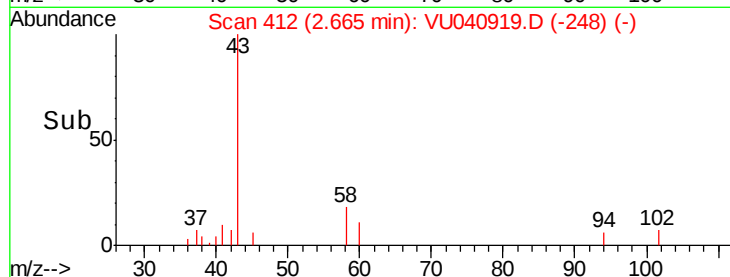
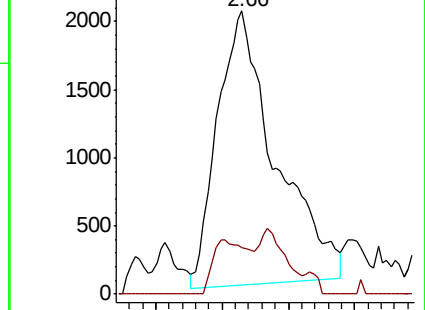
43 100

58 17.8 23.6 35.4#



Abundance Ion 43.00 (42.70 to 43.70): VU040919.D (-393) (-)

Ion 58.00 (57.70 to 58.70): VU040919.D (-393) (-)



#14

Carbon Disulfide

Concen: 0.260 ug/l

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040919.D

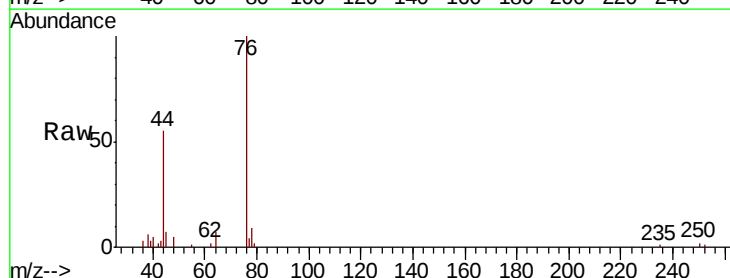
Acq: 22 Oct 2020 23:24

Tgt Ion: 76 Resp: 14036

Ion Ratio Lower Upper

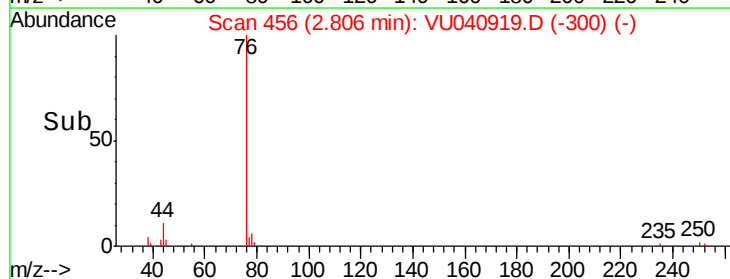
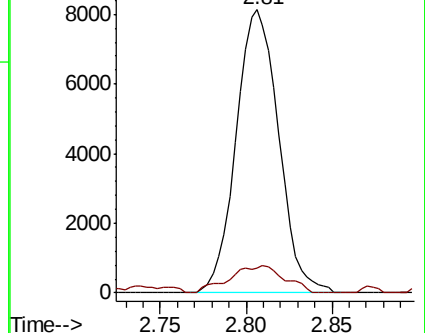
76 100

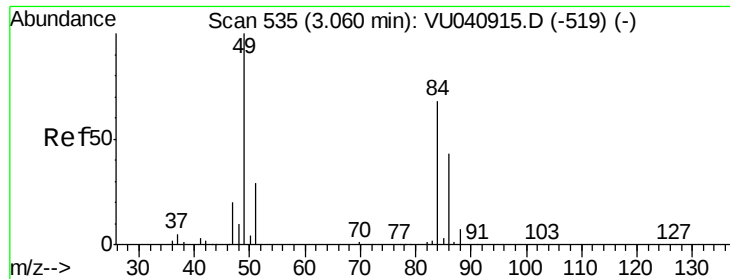
78 8.6 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU040919.D (-441) (-)

Ion 78.00 (77.70 to 78.70): VU040919.D (-441) (-)

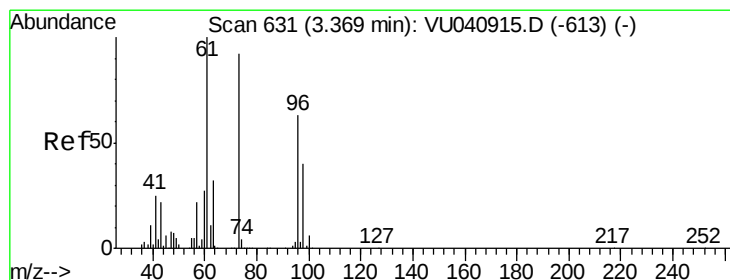
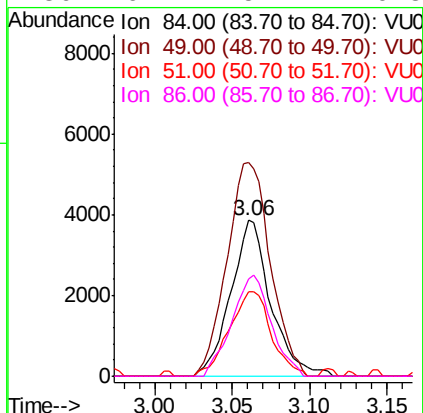
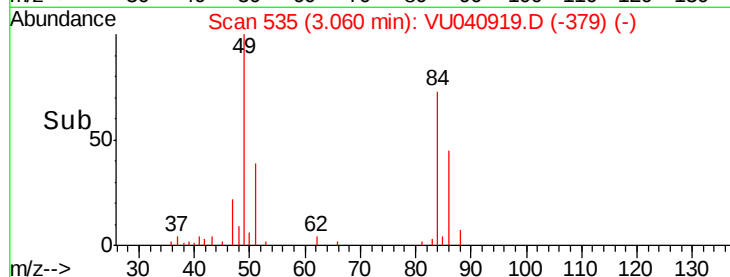
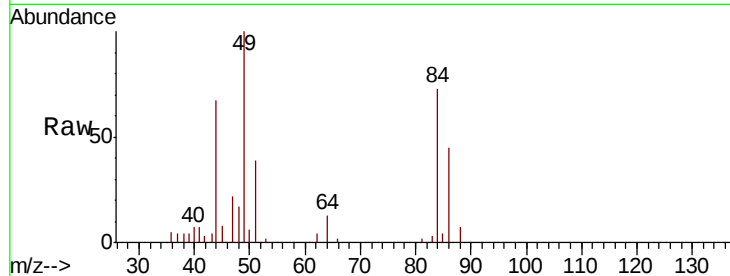




#15
Methvlene Chloride
Concen: 0.371 ug/l
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU040919.D
Acq: 22 Oct 2020 23:24

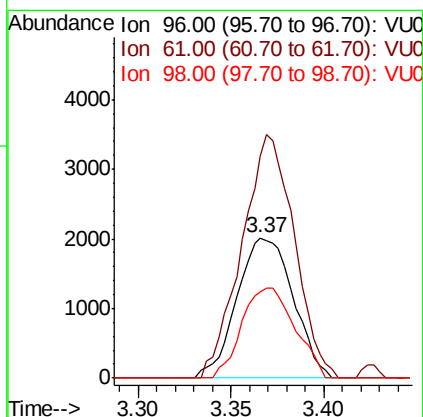
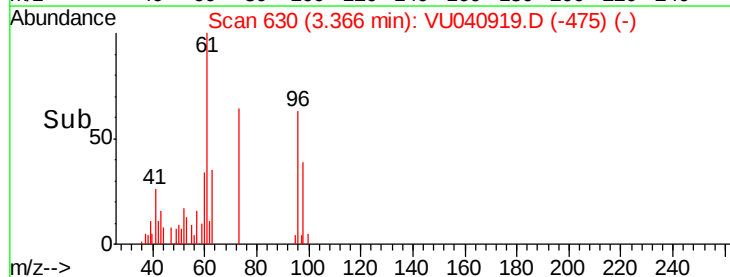
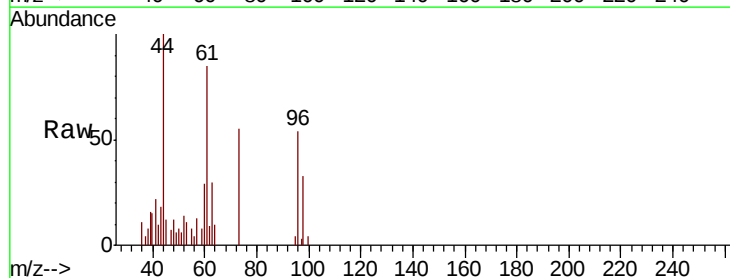
Instrument :
MSVOA_U
ClientSampleId :
BFB

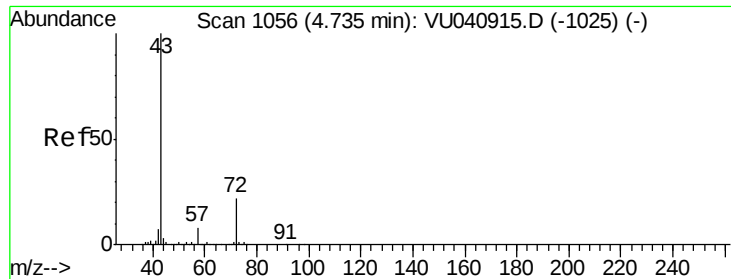
Tot Ion:	84	Resp:	6918
Ion	Ratio	Lower	Upper
84	100		
49	137.0	118.2	177.4
51	53.8	0.0	86.8
86	62.1	51.2	76.8



#16
trans-1,2-Dichloroethene
Concen: 0.262 ug/l
RT: 3.37 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU040919.D
Acq: 22 Oct 2020 23:24

Tgt Ion:	96	Resp:	4256
Ion	Ratio	Lower	Upper
96	100		
61	157.8	127.0	190.4
98	61.7	51.2	76.8

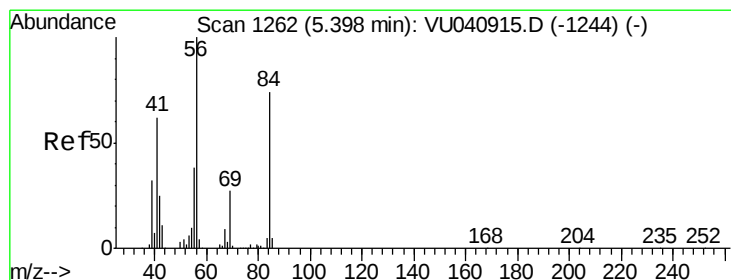
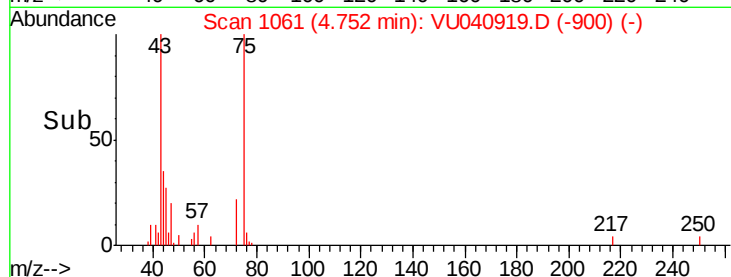
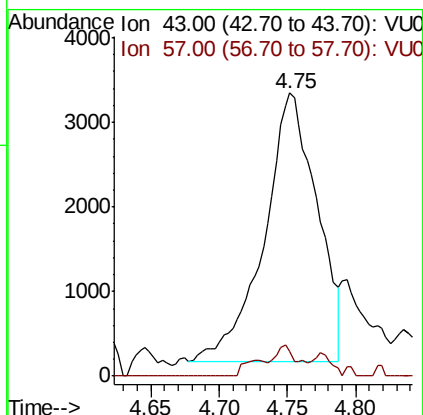
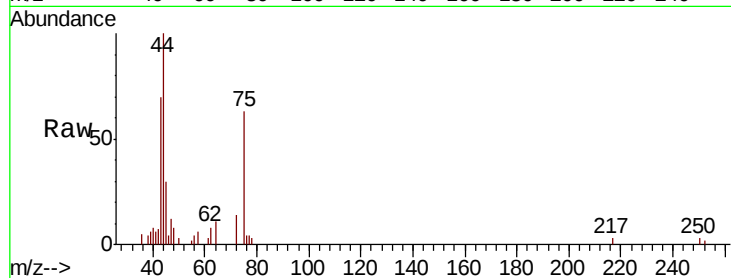




#18
2-Butanone
Concen: 1.240 ug/l
RT: 4.75 min Scan# 1061
Delta R.T. 0.02 min
Lab File: VU040919.D
Acq: 22 Oct 2020 23:24

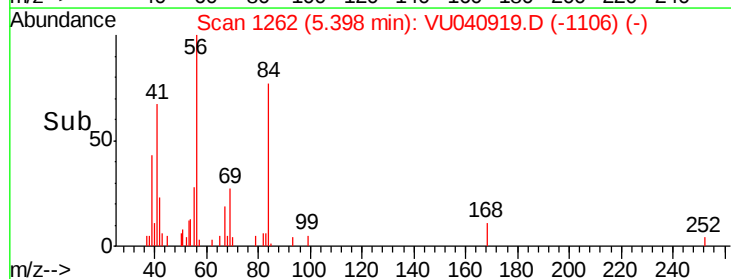
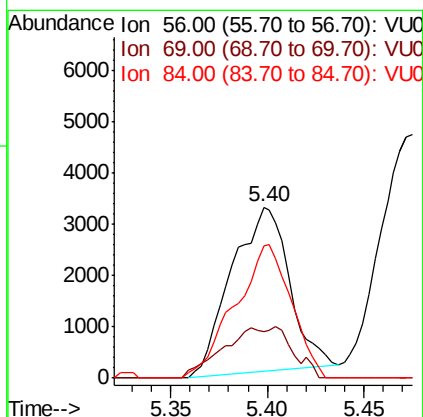
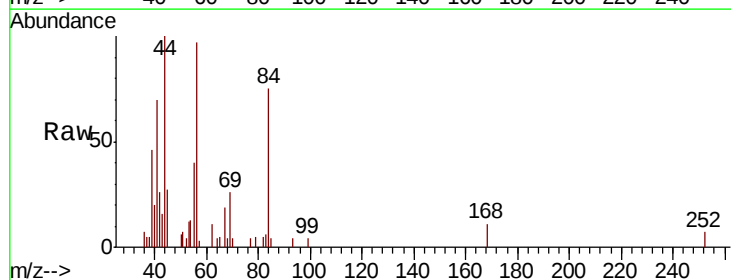
Instrument :
MSVOA_U
ClientSampleId :
BFB

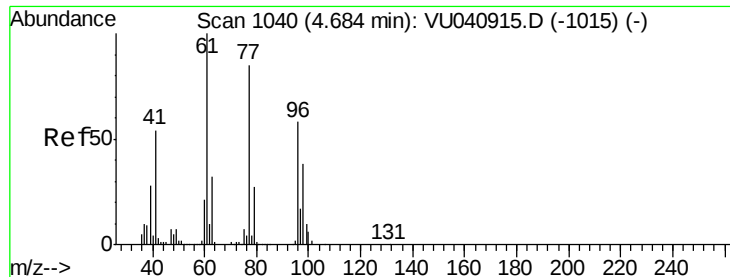
Tot Ion: 43 Resp: 8499
Ion Ratio Lower Upper
43 100
57 9.2 0.0 15.2



#19
Cyclohexane
Concen: 0.214 ug/l
RT: 5.40 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VU040919.D
Acq: 22 Oct 2020 23:24

Tgt Ion: 56 Resp: 6711
Ion Ratio Lower Upper
56 100
69 22.3 22.2 33.2
84 78.7 60.1 90.1

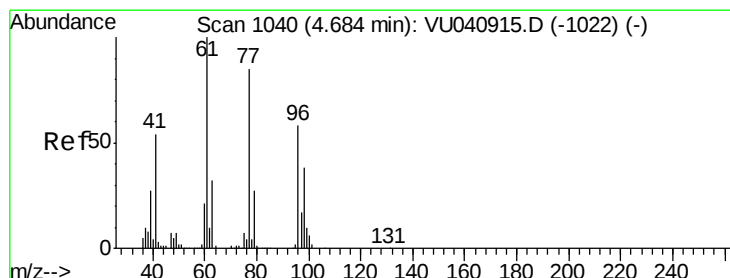
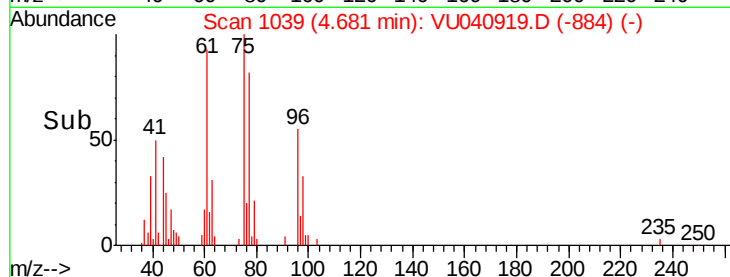
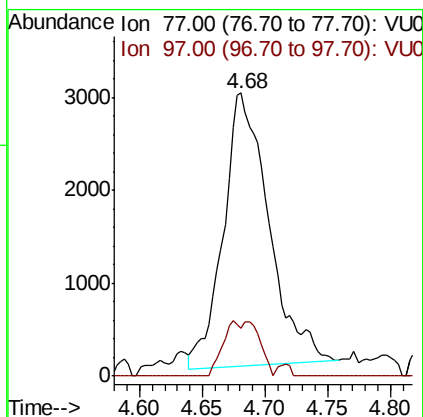
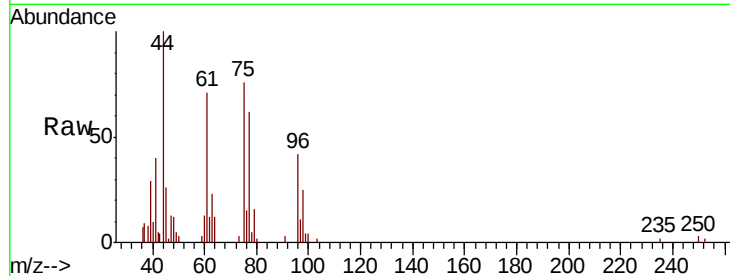




#21
 2,2-Dichloropropane
 Concen: 0.266 ug/l
 RT: 4.68 min Scan# 1039
 Delta R.T. -0.00 min
 Lab File: VU040919.D
 Acq: 22 Oct 2020 23:24

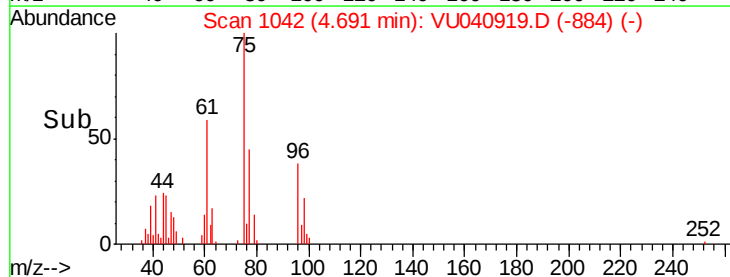
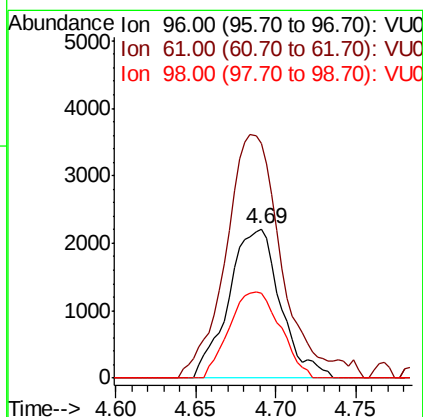
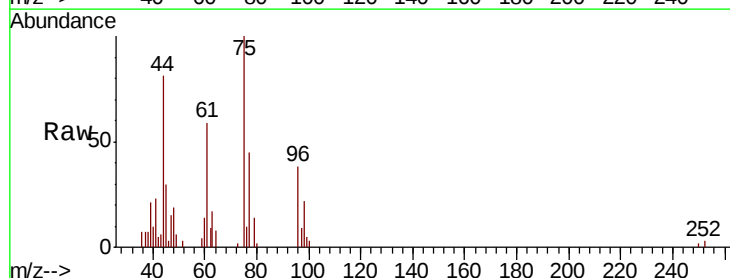
Instrument :
 MSVOA_U
 ClientSampled :
 BFB

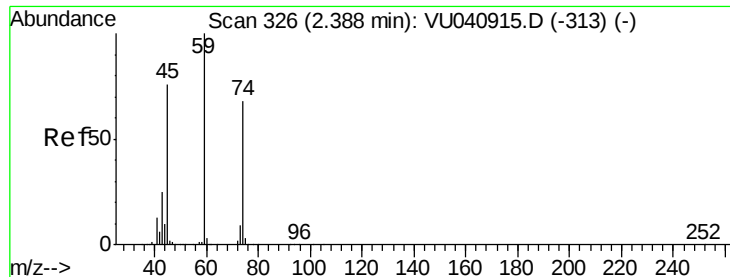
Tot Ion: 77 Resp: 7460
 Ion Ratio Lower Upper
 77 100
 97 8.3 16.0 24.0#



#22
 cis-1,2-Dichloroethene
 Concen: 0.283 ug/l
 RT: 4.69 min Scan# 1042
 Delta R.T. 0.01 min
 Lab File: VU040919.D
 Acq: 22 Oct 2020 23:24

Tgt Ion: 96 Resp: 4900
 Ion Ratio Lower Upper
 96 100
 61 177.3 0.0 434.5
 98 57.0 32.6 97.8

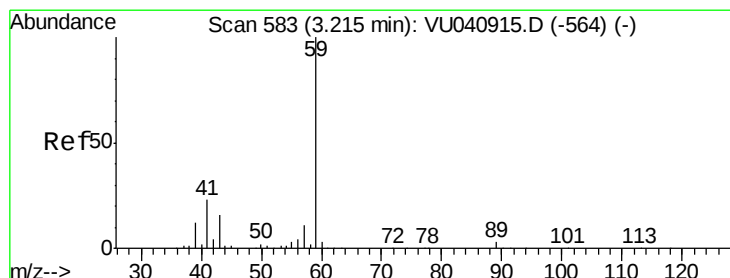
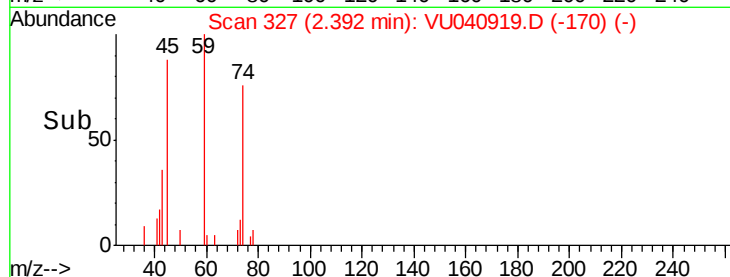
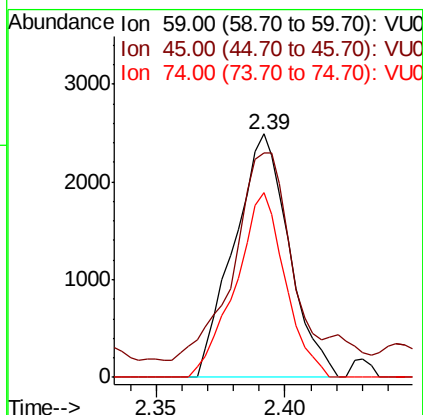
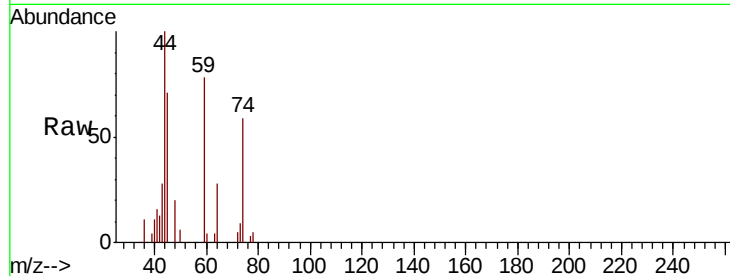




#23
Diethyl Ether
Concen: 0.261 ug/l
RT: 2.39 min Scan# 327
Delta R.T. 0.00 min
Lab File: VU040919.D
Acq: 22 Oct 2020 23:24

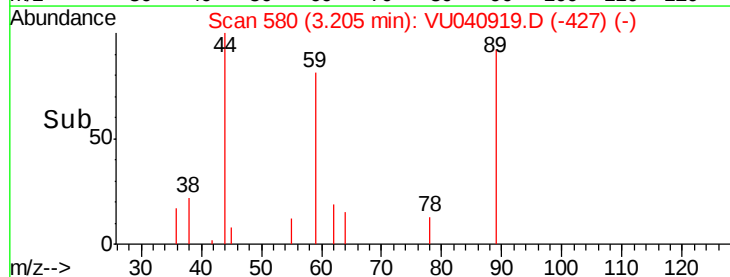
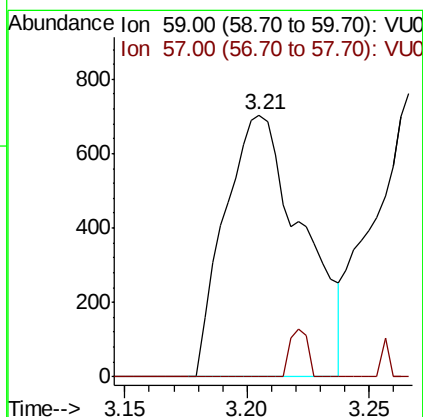
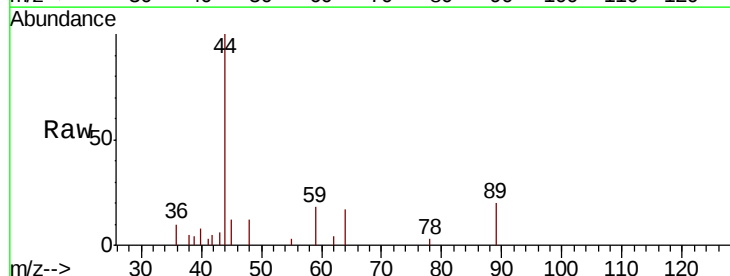
Instrument :
MSVOA_U
ClientSampleId :
BFB

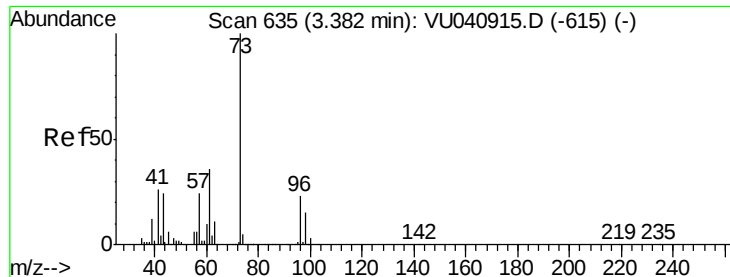
Tot Ion: 59 Resp: 3707
Ion Ratio Lower Upper
59 100
45 90.6 61.4 92.2
74 68.6 55.0 82.4



#24
tert-Butyl Alcohol
Concen: 0.981 ug/l
RT: 3.21 min Scan# 580
Delta R.T. -0.01 min
Lab File: VU040919.D
Acq: 22 Oct 2020 23:24

Tgt Ion: 59 Resp: 1552
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



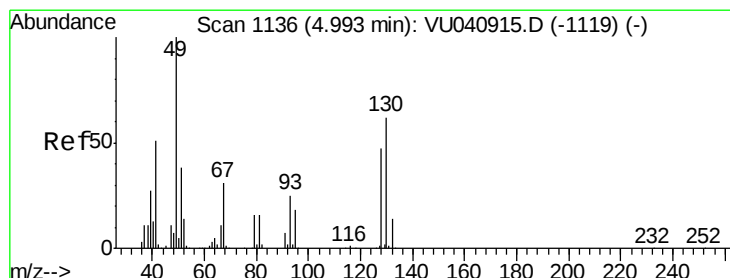
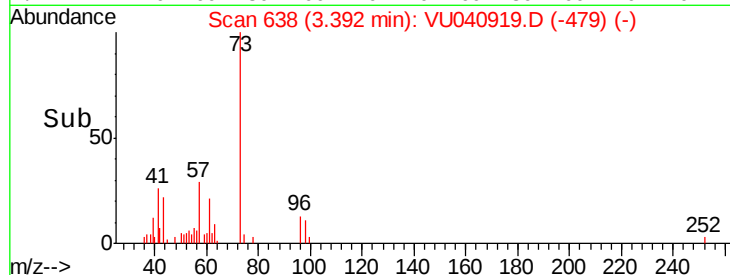
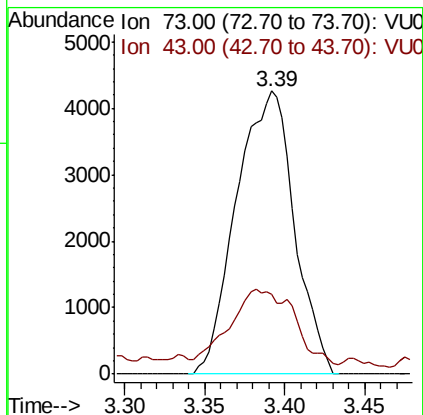
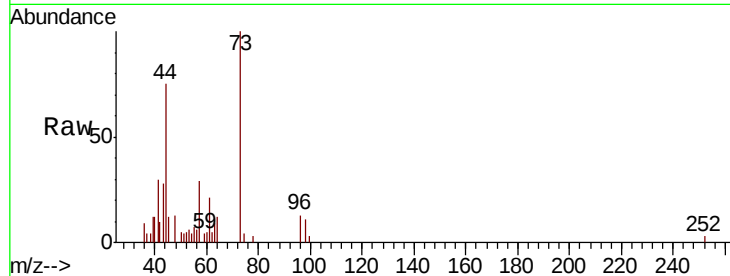


#25

Methyl tert-Butyl Ether
 Concen: 0.238 ug/l
 RT: 3.39 min Scan# 638
 Delta R.T. 0.01 min
 Lab File: VU040919.D
 Acq: 22 Oct 2020 23:24

Instrument :
 MSVOA_U
 ClientSampled :
 BFB

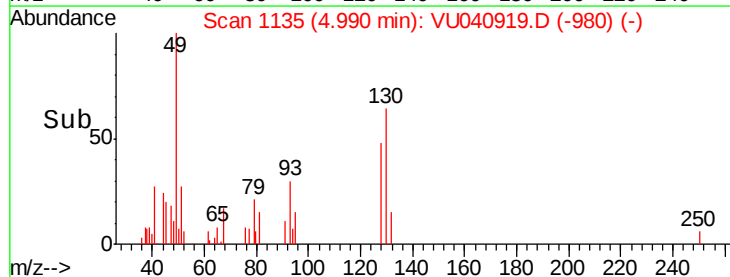
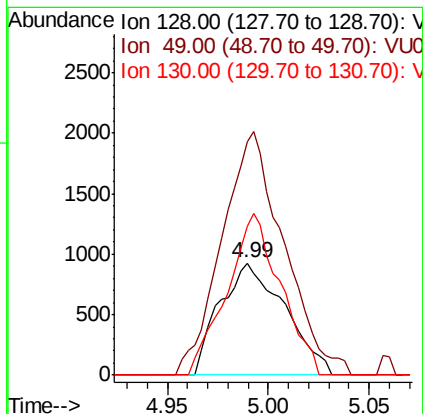
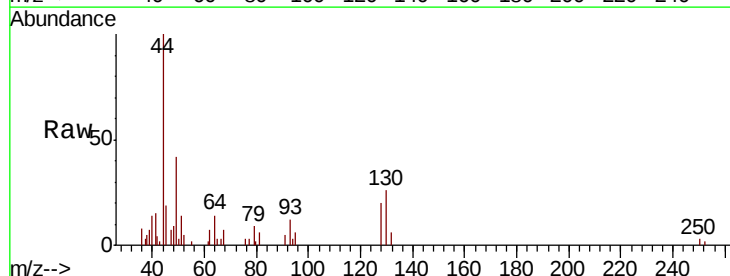
Tot Ion: 73 Resp: 10585
 Ion Ratio Lower Upper
 73 100
 43 29.5 19.0 28.6#

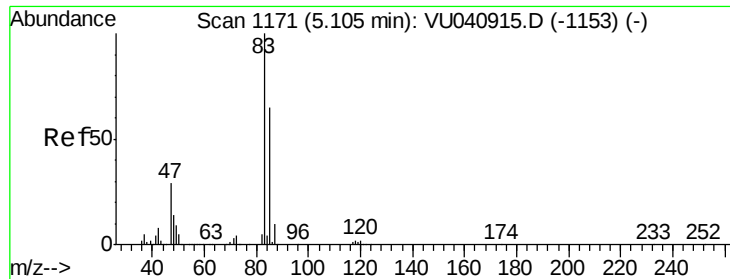


#26

Bromochloromethane
 Concen: 0.276 ug/l
 RT: 4.99 min Scan# 1135
 Delta R.T. -0.00 min
 Lab File: VU040919.D
 Acq: 22 Oct 2020 23:24

Tgt Ion: 128 Resp: 2078
 Ion Ratio Lower Upper
 128 100
 49 208.0 0.0 426.4
 130 118.8 106.2 159.4

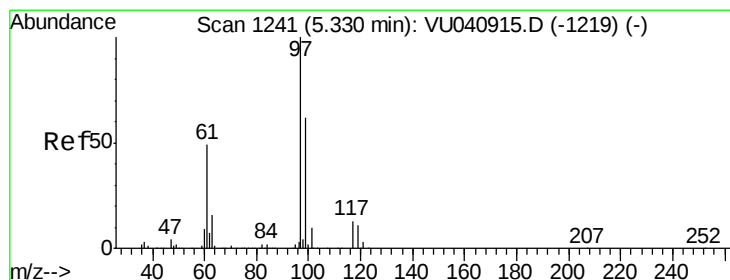
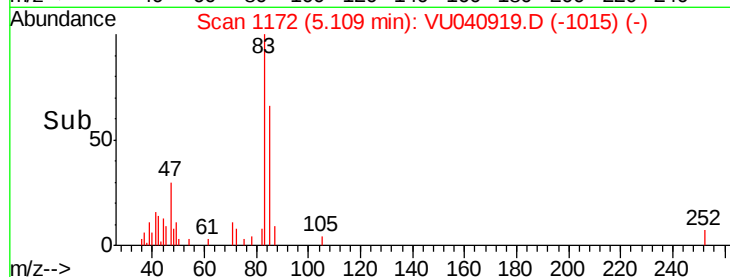
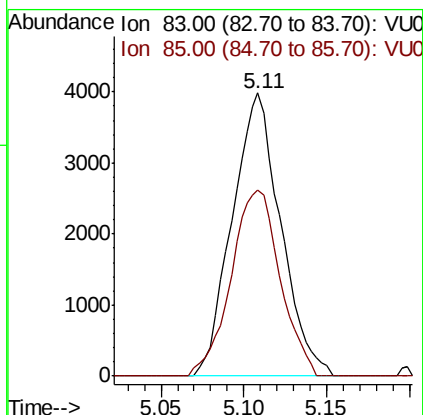
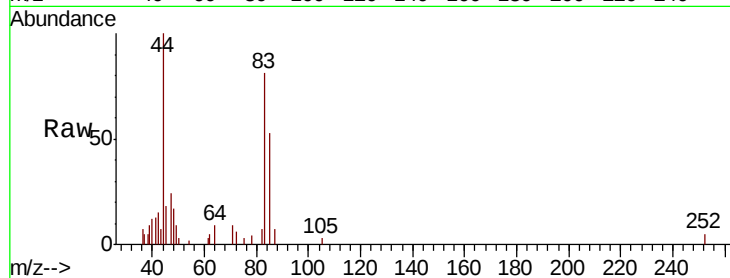




#27
Chloroform
Concen: 0.255 ug/l
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040919.D
Acq: 22 Oct 2020 23:24

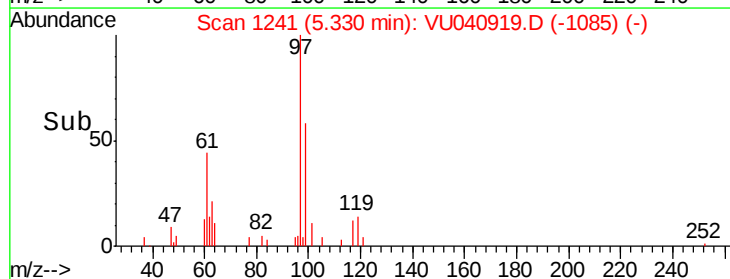
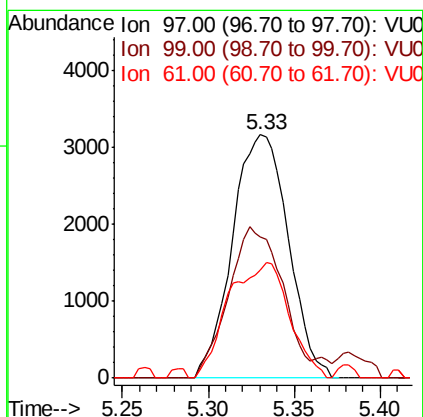
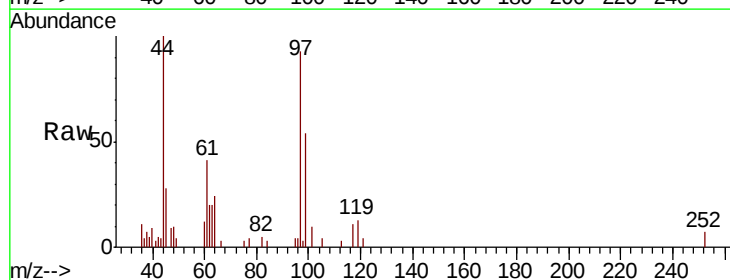
Instrument :
MSVOA_U
ClientSampleId :
BFB

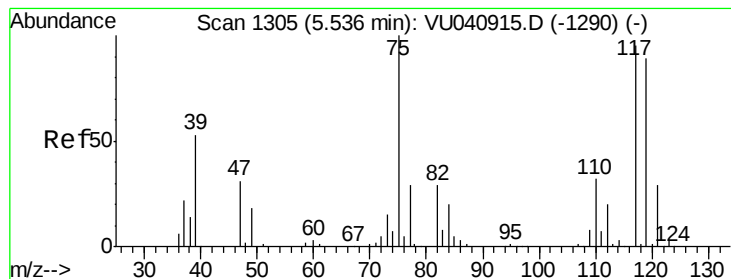
Tot Ion: 83 Resp: 8090
Ion Ratio Lower Upper
83 100
85 65.8 0.0 129.0



#28
1,1,1-Trichloroethane
Concen: 0.261 ug/l
RT: 5.33 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VU040919.D
Acq: 22 Oct 2020 23:24

Tgt Ion: 97 Resp: 7153
Ion Ratio Lower Upper
97 100
99 60.1 31.4 94.3
61 51.6 24.7 74.1





#29

1,1-Dichloropropene

Concen: 0.243 ug/l

RT: 5.54 min Scan# 1307

Delta R.T. 0.01 min

Lab File: VU040919.D

Acq: 22 Oct 2020 23:24

Instrument :

MSVOA_U

ClientSampleId :

BFB

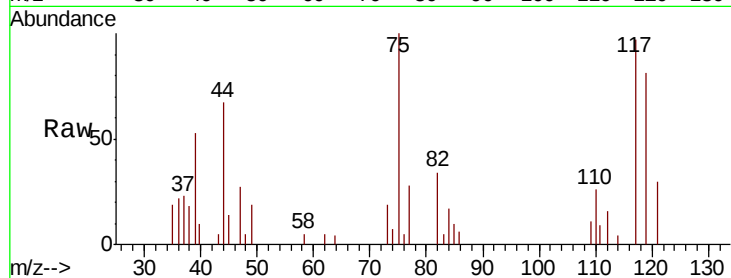
Tot Ion: 75 Resp: 5821

Ion Ratio Lower Upper

75 100

110 29.7 15.9 47.6

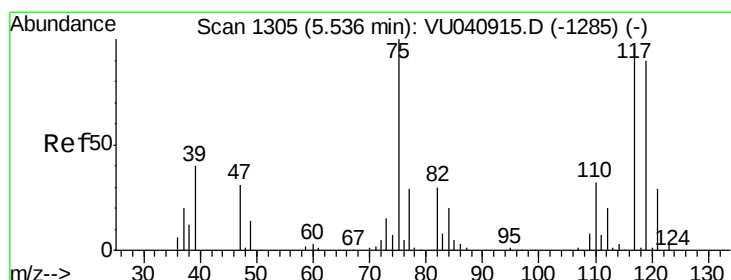
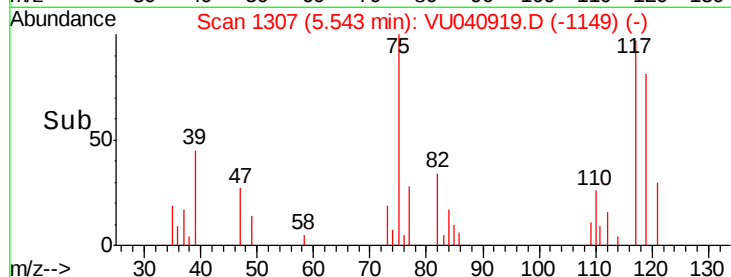
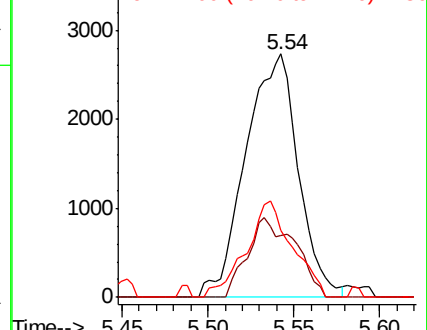
77 34.6 24.2 36.2



Abundance Ion 75.00 (74.70 to 75.70): VU040919.D (-1290) (-)

Ion 110.00 (109.70 to 110.70): VU040919.D (-1290) (-)

Ion 77.00 (76.70 to 77.70): VU040919.D (-1290) (-)



#30

Carbon Tetrachloride

Concen: 0.231 ug/l

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU040919.D

Acq: 22 Oct 2020 23:24

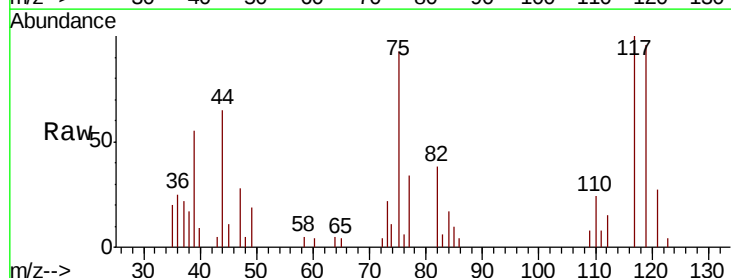
Tgt Ion: 117 Resp: 5734

Ion Ratio Lower Upper

117 100

119 96.5 74.9 112.3

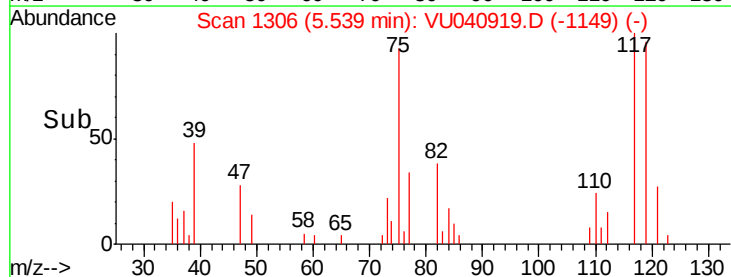
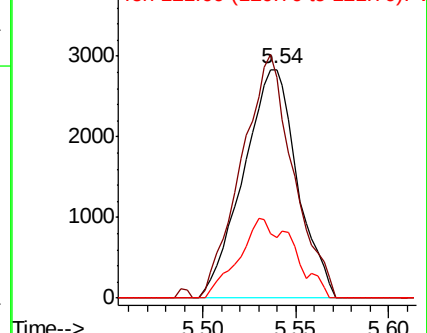
121 26.6 24.1 36.1

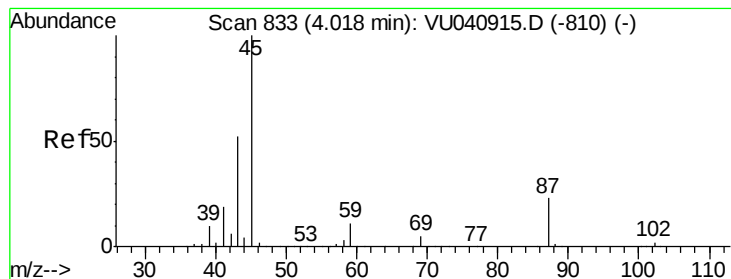


Abundance Ion 117.00 (116.70 to 117.70): VU040919.D (-1149) (-)

Ion 119.00 (118.70 to 119.70): VU040919.D (-1149) (-)

Ion 121.00 (120.70 to 121.70): VU040919.D (-1149) (-)





#31

Isopropyl Ether

Concen: 0.267 ug/l

RT: 4.02 min Scan# 835

Delta R.T. 0.01 min

Lab File: VU040919.D

Acq: 22 Oct 2020 23:24

Instrument :

MSVOA_U

ClientSampleId :

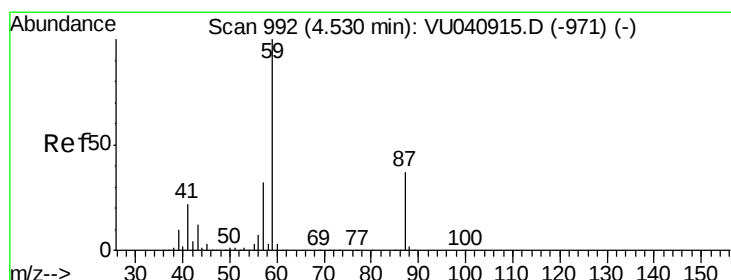
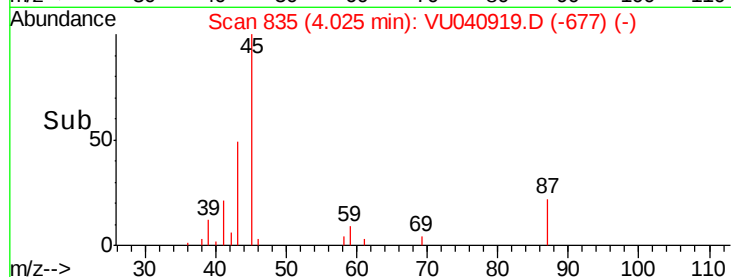
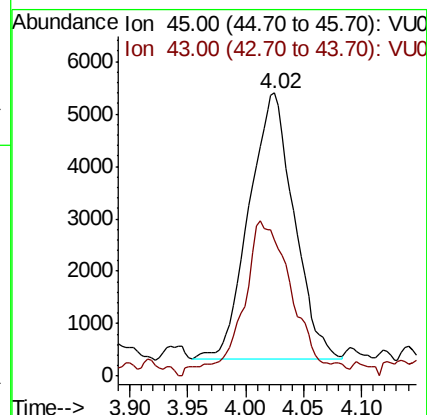
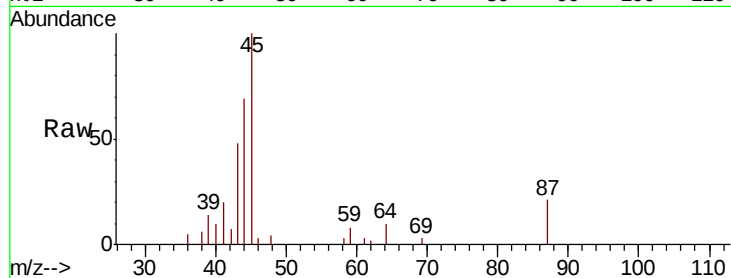
BFB

Tot Ion: 45 Resp: 13722

Ion Ratio Lower Upper

45 100

43 62.9 26.8 80.3



#32

Ethyl-t-butyl ether

Concen: 0.233 ug/l

RT: 4.53 min Scan# 992

Delta R.T. 0.00 min

Lab File: VU040919.D

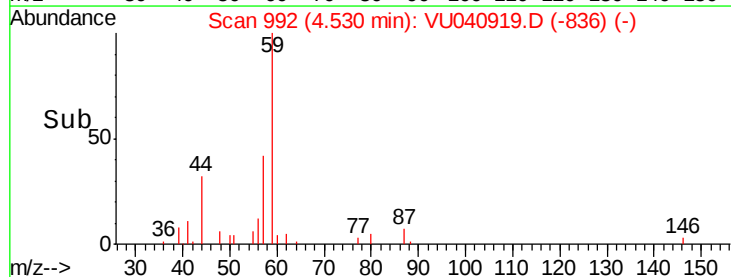
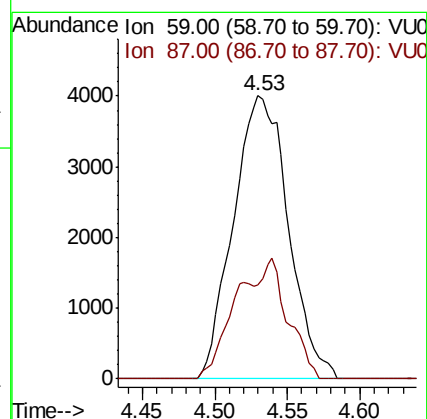
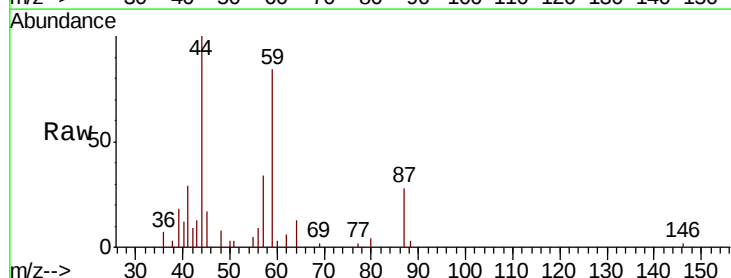
Acq: 22 Oct 2020 23:24

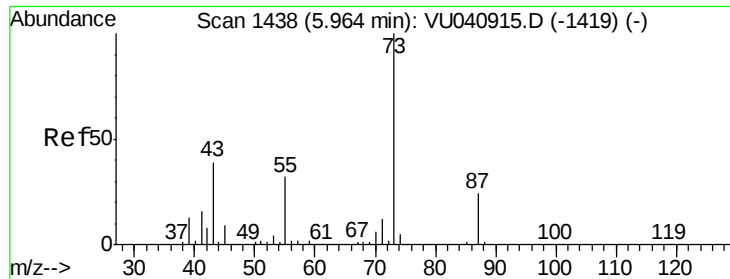
Tgt Ion: 59 Resp: 10533

Ion Ratio Lower Upper

59 100

87 20.2 30.6 46.0#

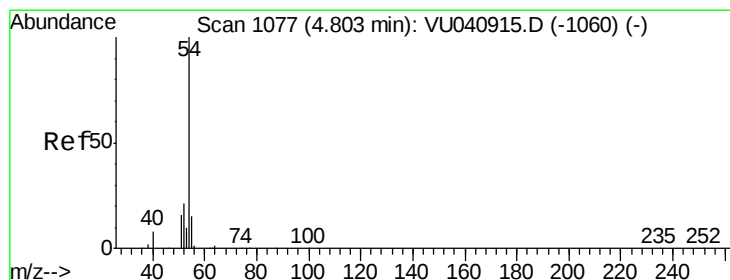
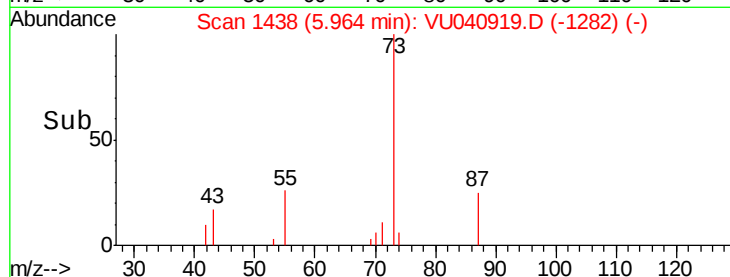
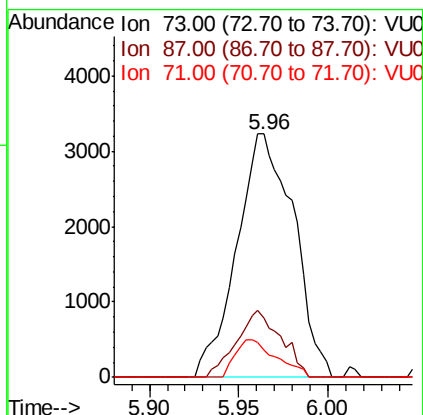
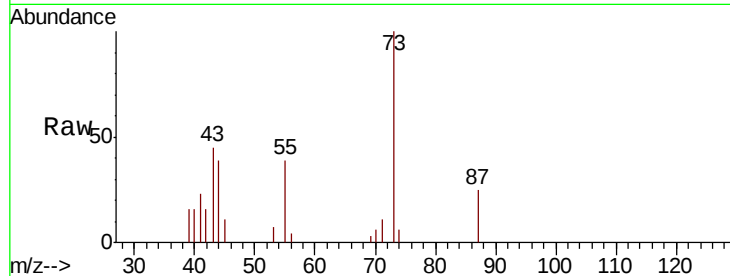




#33
Tert-Butyl methyl ether
Concen: 0.213 ug/l
RT: 5.96 min Scan# 1438
Delta R.T. 0.00 min
Lab File: VU040919.D
Acq: 22 Oct 2020 23:24

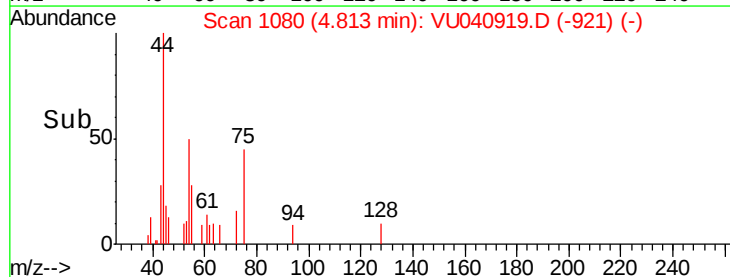
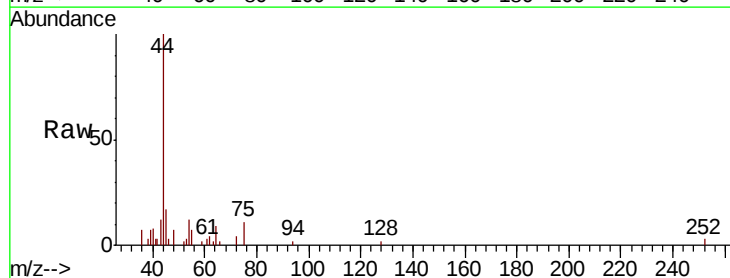
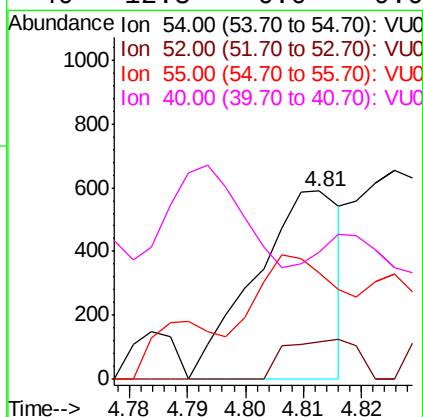
Instrument :
MSVOA_U
ClientSampleId :
BFB

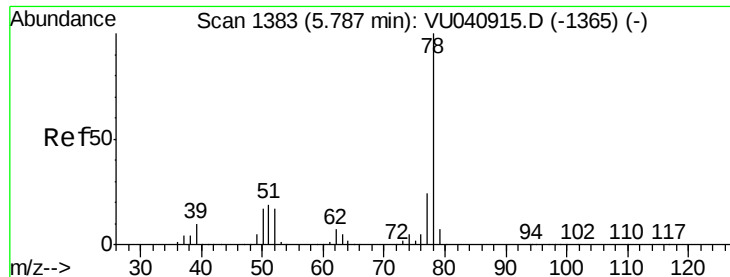
Tot Ion	Ratio	Lower	Upper
73	100		
87	21.5	19.0	28.4
71	11.1	9.7	14.5



#34
Propionitrile
Concen: 0.321 ug/l
RT: 4.81 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VU040919.D
Acq: 22 Oct 2020 23:24

Tgt Ion	Ratio	Lower	Upper
54	100		
52	17.9	15.5	23.3
55	38.4	12.5	18.7#
40	12.3	6.0	9.0#





#35

Benzene

Concen: 0.215 ug/l

RT: 5.78 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VU040919.D

Acq: 22 Oct 2020 23:24

Instrument :

MSVOA_U

ClientSampleId :

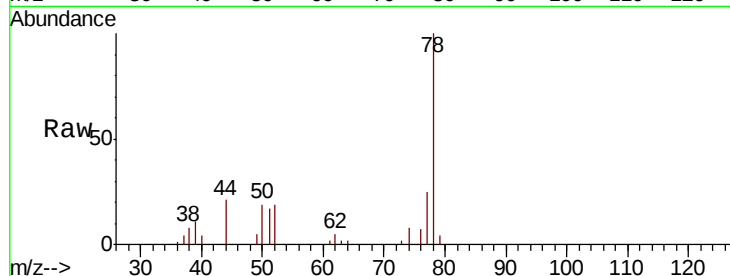
BFB

Tot Ion: 78 Resp: 14271

Ion Ratio Lower Upper

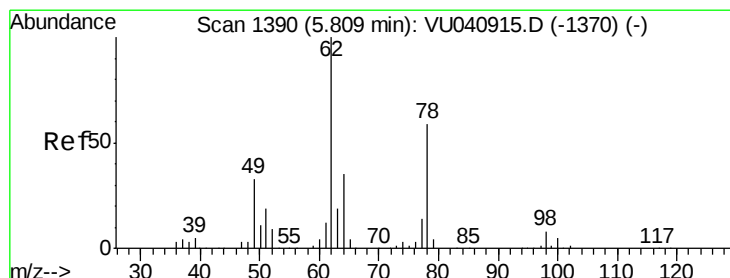
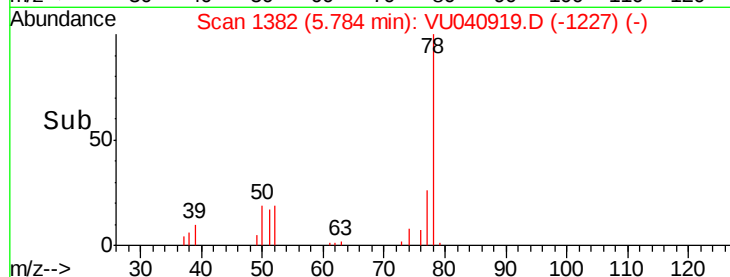
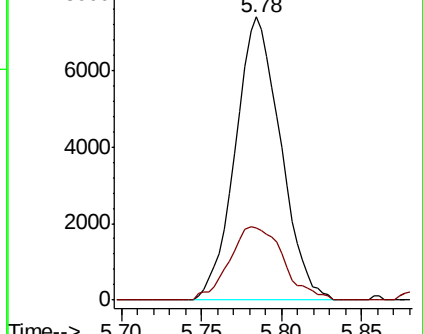
78 100

77 25.4 19.4 29.2



Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0



#36

1,2-Dichloroethane

Concen: 0.247 ug/l

RT: 5.82 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VU040919.D

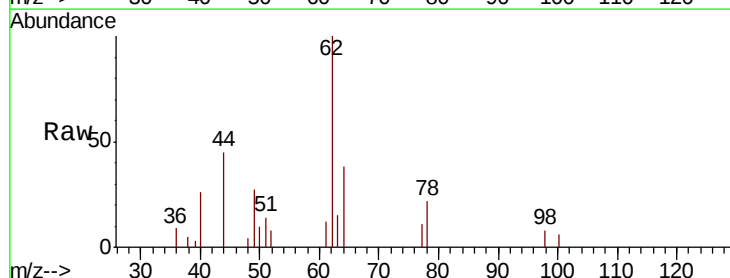
Acq: 22 Oct 2020 23:24

Tgt Ion: 62 Resp: 6094

Ion Ratio Lower Upper

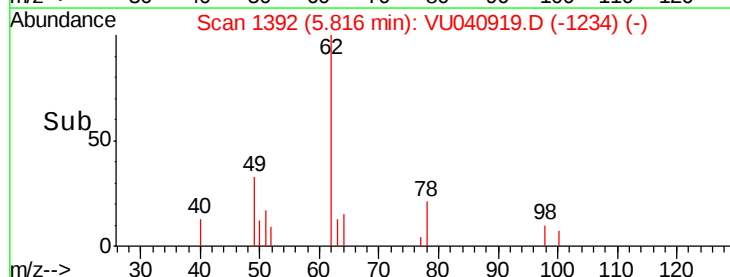
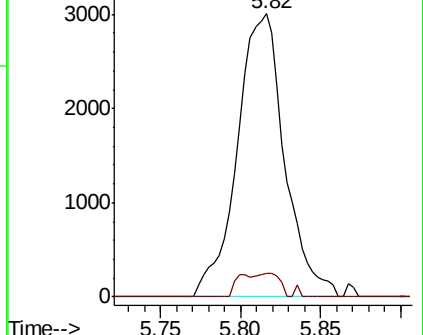
62 100

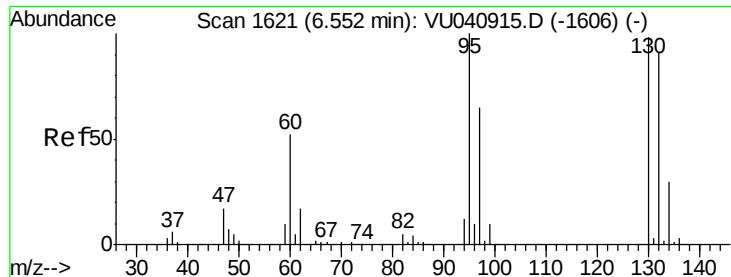
98 2.7 6.7 10.1#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

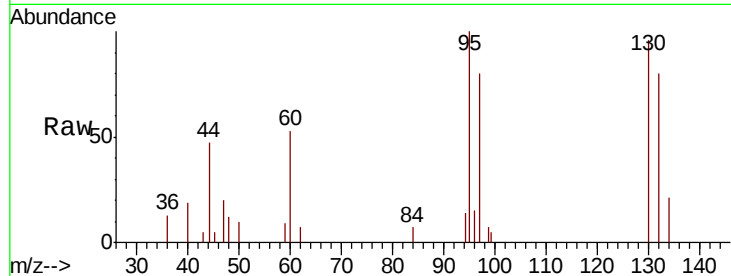




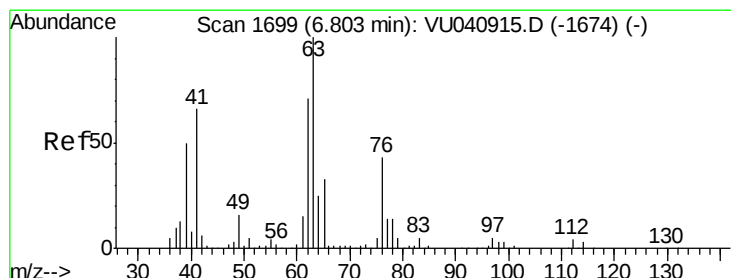
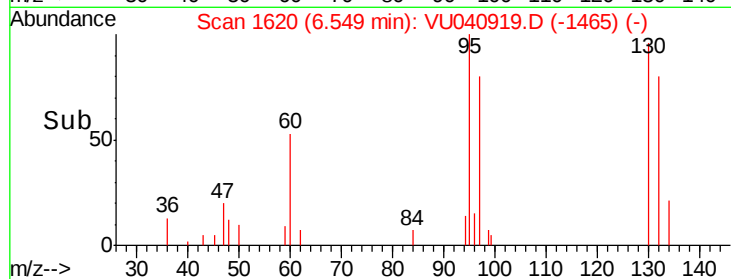
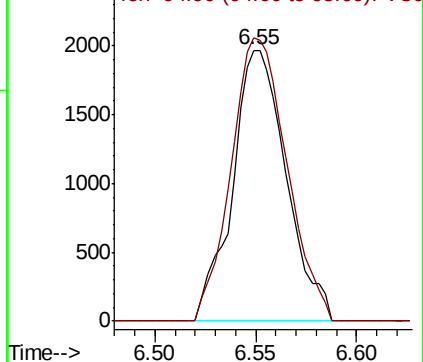
#37
 Trichloroethene
 Concen: 0.233 ug/l
 RT: 6.55 min Scan# 1620
 Delta R.T. -0.00 min
 Lab File: VU040919.D
 Acq: 22 Oct 2020 23:24

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

Tot Ion:130 Resp: 3659
 Ion Ratio Lower Upper
 130 100
 95 104.6 81.9 122.9

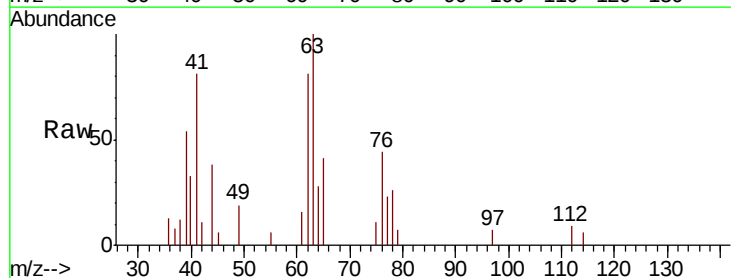


Abundance Ion 129.90 (129.60 to 130.60): VU040919.D (-1606) (-)
 Ion 94.90 (94.60 to 95.60): VU040919.D (-1606) (-)

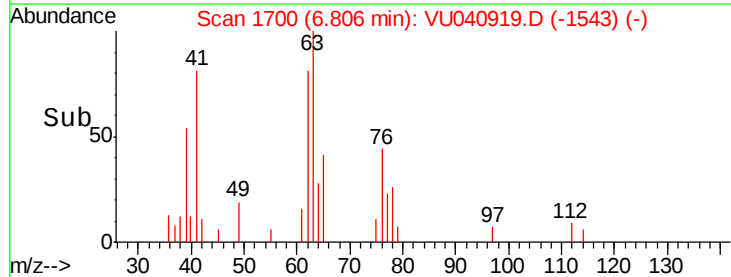
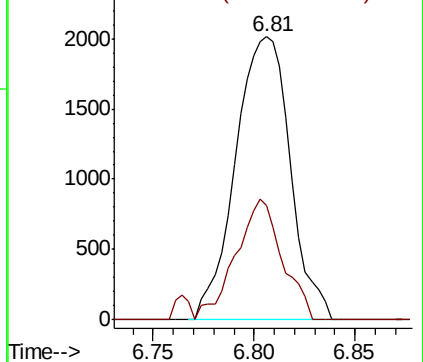


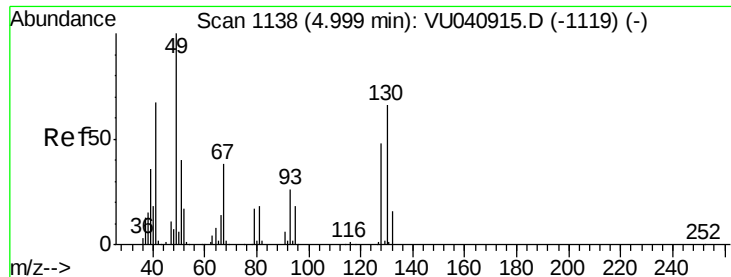
#38
 1,2-Dichloropropane
 Concen: 0.203 ug/l
 RT: 6.81 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VU040919.D
 Acq: 22 Oct 2020 23:24

Tgt Ion: 63 Resp: 3823
 Ion Ratio Lower Upper
 63 100
 65 40.6 26.2 39.2#



Abundance Ion 63.00 (62.70 to 63.70): VU040919.D (-1543) (-)
 Ion 65.00 (64.70 to 65.70): VU040919.D (-1543) (-)





#39

Methacrylonitrile

Concen: 0.280 ug/l

RT: 5.01 min Scan# 1140

Delta R.T. 0.01 min

Lab File: VU040919.D

Acq: 22 Oct 2020 23:24

Instrument :

MSVOA_U

ClientSampleId :

BFB

Tot Ion: 41 Resp: 2467

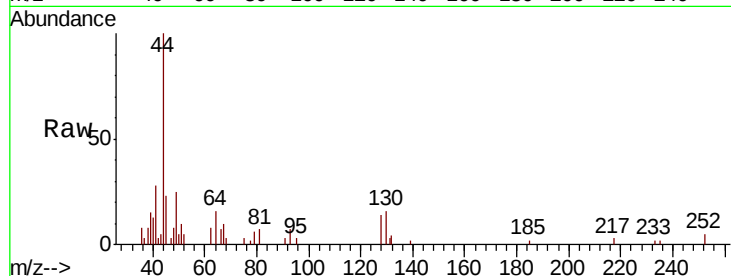
Ion Ratio Lower Upper

41 100

67 48.0 48.7 73.1#

39 35.8 44.6 67.0#

52 15.7 23.3 34.9#

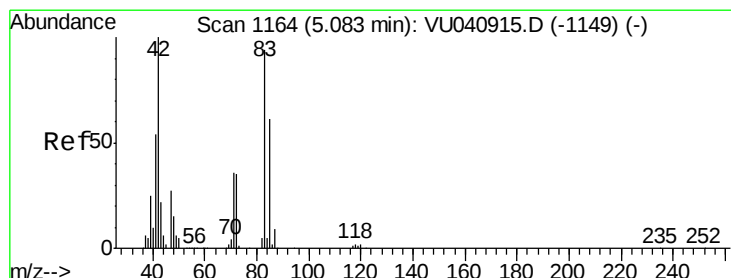
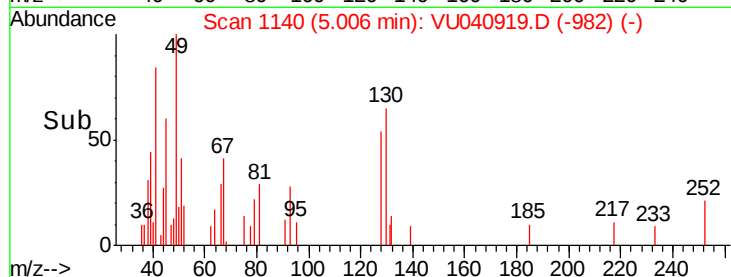
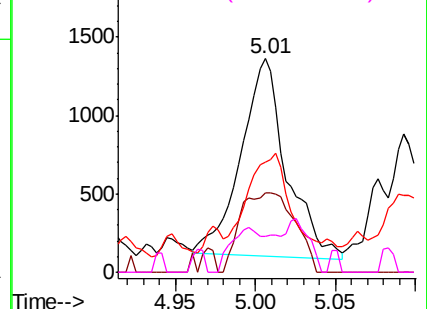


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#41

Tetrahydrofuran

Concen: 0.338 ug/l

RT: 5.10 min Scan# 1168

Delta R.T. 0.01 min

Lab File: VU040919.D

Acq: 22 Oct 2020 23:24

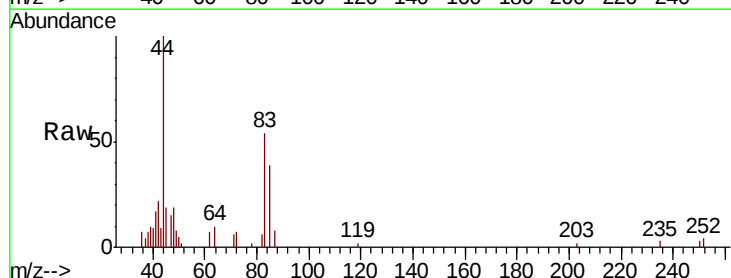
Tgt Ion: 42 Resp: 1532

Ion Ratio Lower Upper

42 100

72 56.7 30.1 45.1#

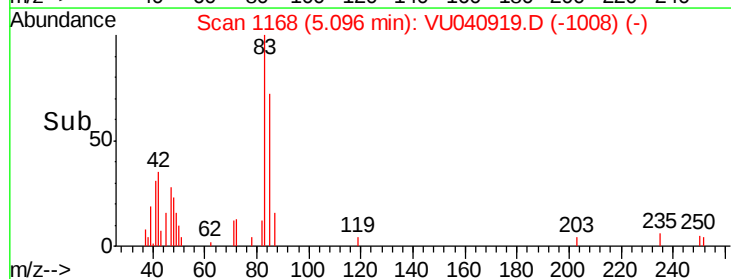
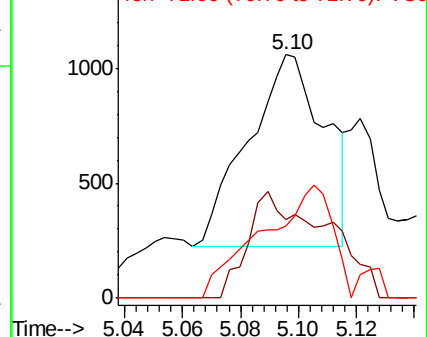
71 54.2 27.9 41.9#

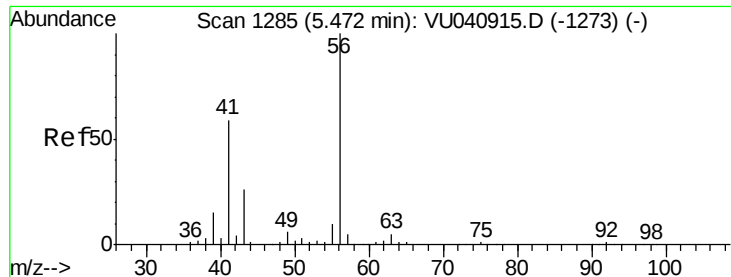


Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0

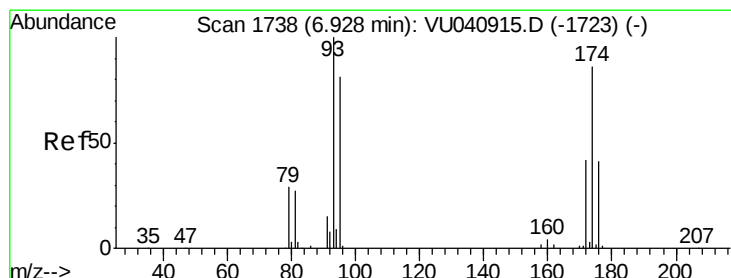
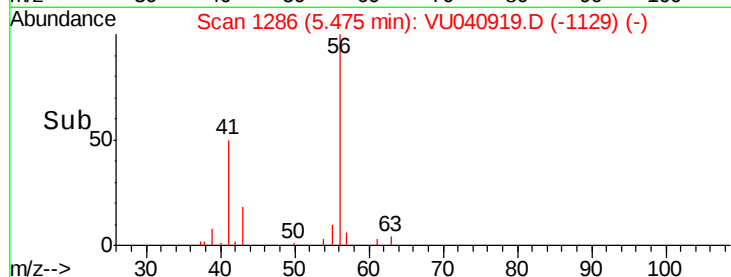
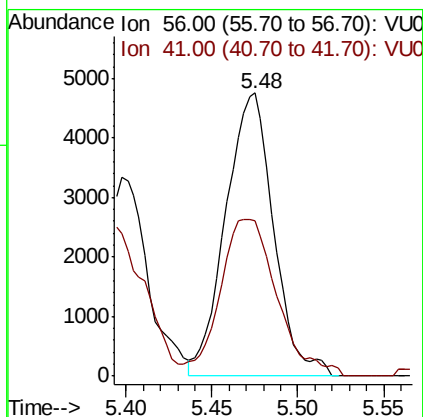
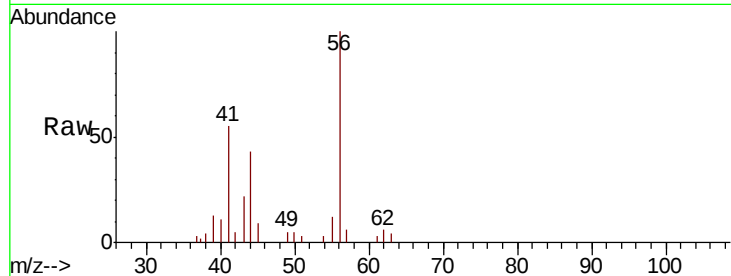




#42
1-Chlorobutane
Concen: 0.255 ug/l
RT: 5.48 min Scan# 1286
Delta R.T. 0.00 min
Lab File: VU040919.D
Acq: 22 Oct 2020 23:24

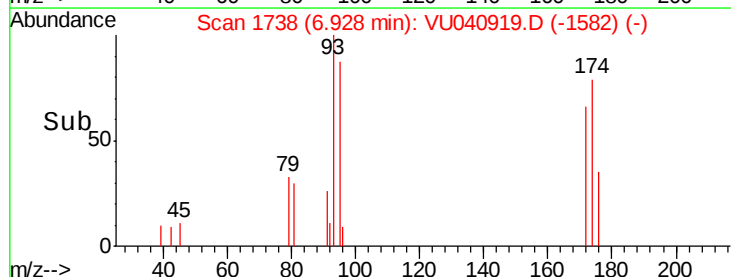
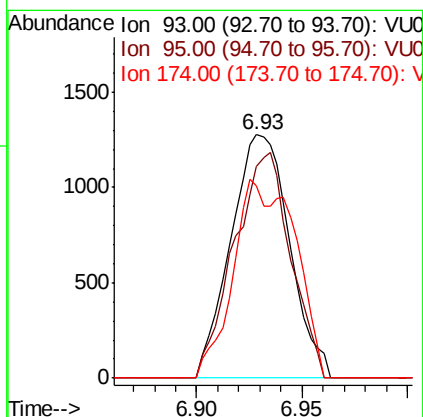
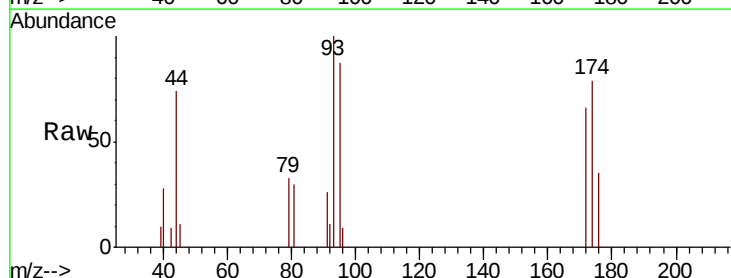
Instrument :
MSVOA_U
ClientSampled :
BFB

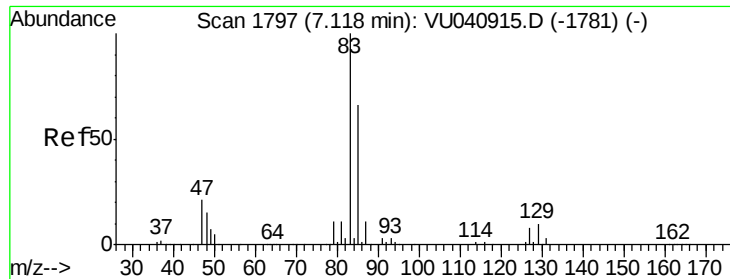
Tot Ion: 56 Resp: 9243
Ion Ratio Lower Upper
56 100
41 65.5 29.6 88.8



#43
Dibromomethane
Concen: 0.234 ug/l
RT: 6.93 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VU040919.D
Acq: 22 Oct 2020 23:24

Tgt Ion: 93 Resp: 2474
Ion Ratio Lower Upper
93 100
95 88.8 66.3 99.5
174 50.9 70.4 105.6#





#44

Bromodichloromethane

Concen: 0.219 ug/l

RT: 7.12 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VU040919.D

Acq: 22 Oct 2020 23:24

Instrument :

MSVOA_U

ClientSampleId :

BFB

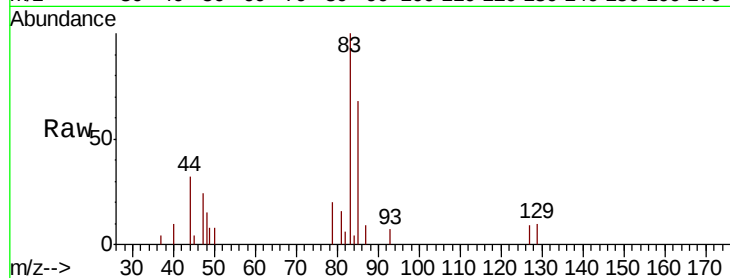
Tot Ion: 83 Resp: 5372

Ion Ratio Lower Upper

83 100

85 68.4 52.6 78.8

127 8.8 6.4 9.6

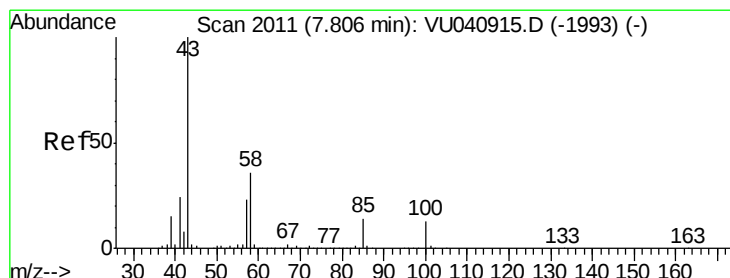
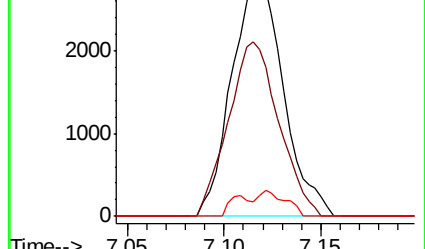
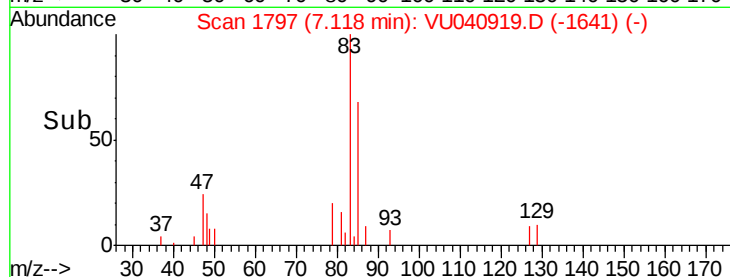


Abundance Ion 83.00 (82.70 to 83.70): VU040919.D (-1641) (-)

Ion 85.00 (84.70 to 85.70): VU040919.D (-1641) (-)

Ion 127.00 (126.70 to 127.70): VU040919.D (-1641) (-)

Time-->



#45

4-Methyl-2-Pentanone

Concen: 0.997 ug/l

RT: 7.81 min Scan# 2013

Delta R.T. 0.01 min

Lab File: VU040919.D

Acq: 22 Oct 2020 23:24

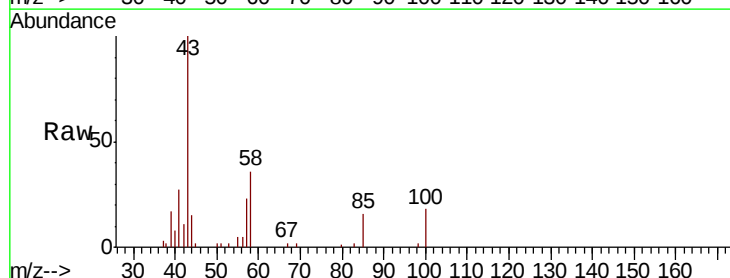
Tgt Ion: 43 Resp: 13843

Ion Ratio Lower Upper

43 100

58 35.3 17.8 53.5

85 14.0 11.4 17.2

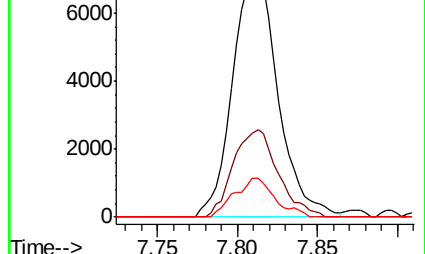
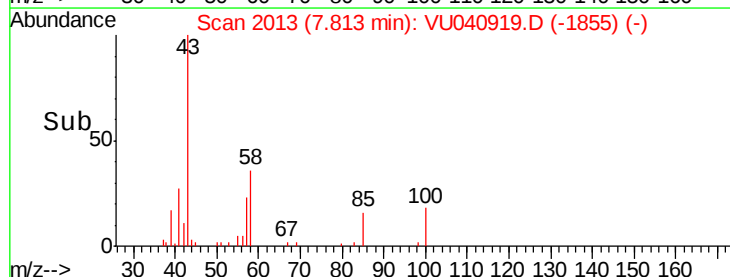


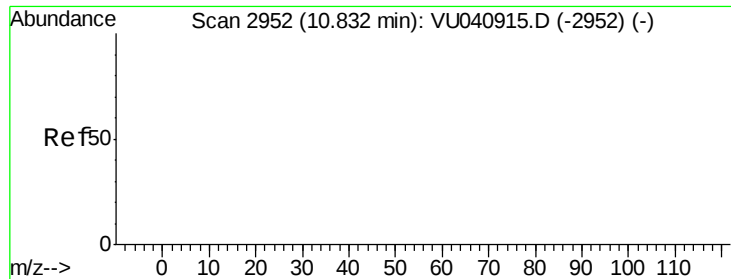
Abundance Ion 43.00 (42.70 to 43.70): VU040919.D (-1855) (-)

Ion 58.00 (57.70 to 58.70): VU040919.D (-1855) (-)

Ion 85.00 (84.70 to 85.70): VU040919.D (-1855) (-)

Time-->

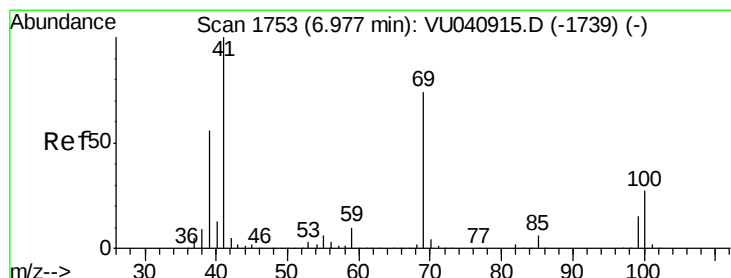
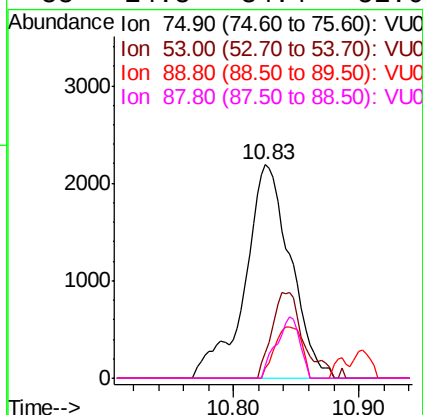
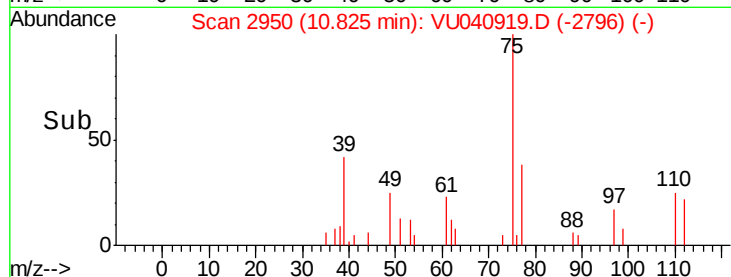
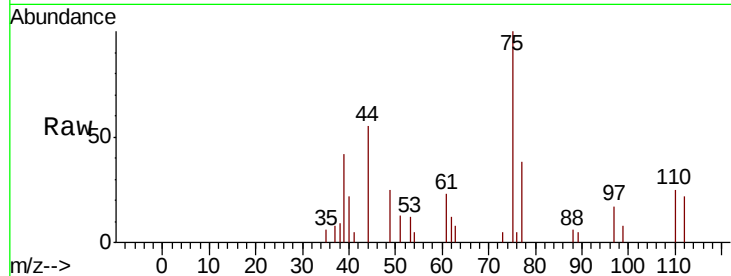




#46
t-1,4-Dichloro-2-butene
Concen: 1.008 ug/l
RT: 10.83 min Scan# 2950
Delta R.T. -0.01 min
Lab File: VU040919.D
Acq: 22 Oct 2020 23:24

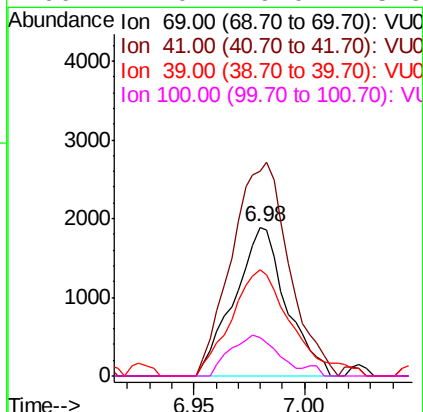
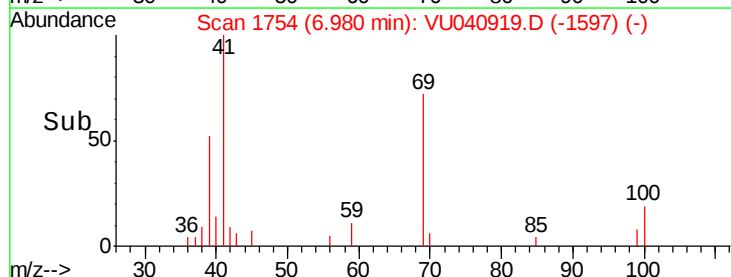
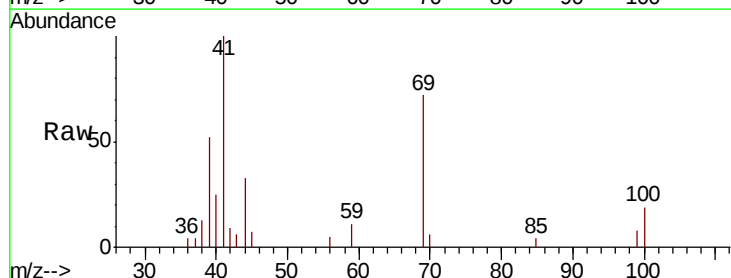
Instrument :
MSVOA_U
ClientSampleId :
BFB

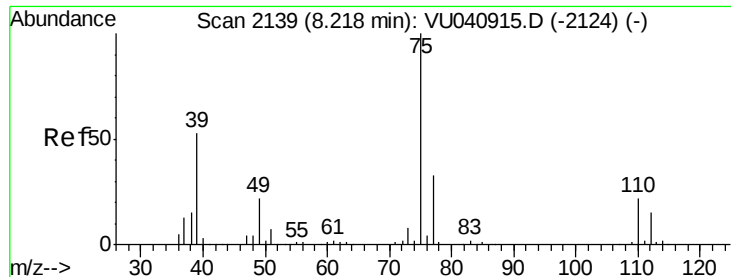
Tot Ion: 75 Resp: 5535
Ion Ratio Lower Upper
75 100
53 27.6 73.0 109.4#
89 14.2 41.7 62.5#
88 14.8 34.4 51.6#



#47
Methyl methacrylate
Concen: 0.348 ug/l
RT: 6.98 min Scan# 1754
Delta R.T. 0.00 min
Lab File: VU040919.D
Acq: 22 Oct 2020 23:24

Tgt Ion: 69 Resp: 3071
Ion Ratio Lower Upper
69 100
41 158.8 0.0 270.2
39 83.1 61.6 92.4
100 27.0 29.0 43.6#

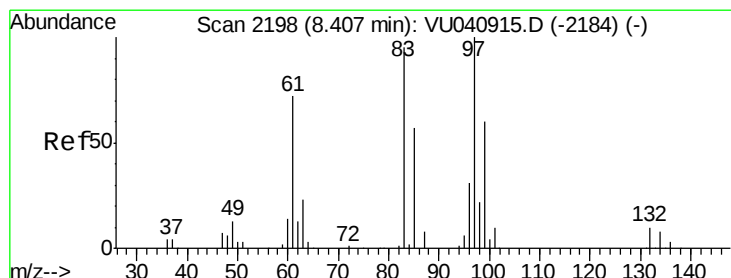
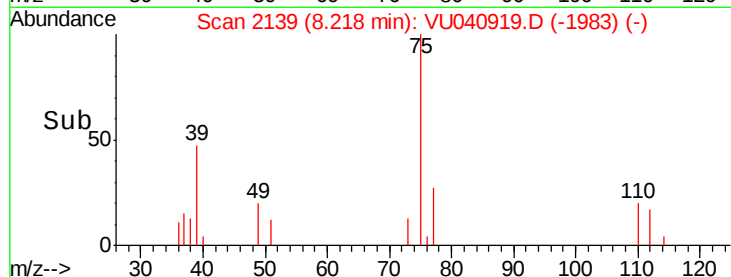
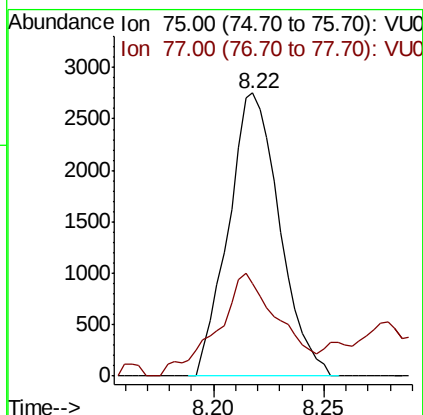
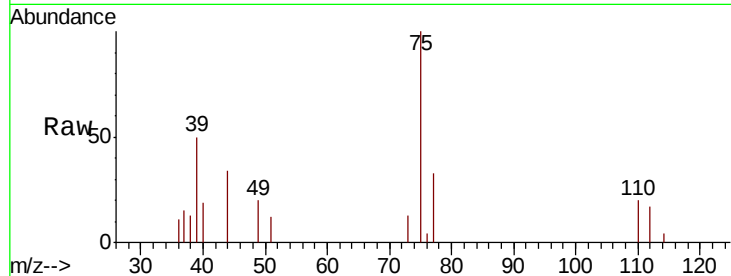




#50
t-1,3-Dichloropropene
Concen: 0.209 ug/l
RT: 8.22 min Scan# 2139
Delta R.T. 0.00 min
Lab File: VU040919.D
Acq: 22 Oct 2020 23:24

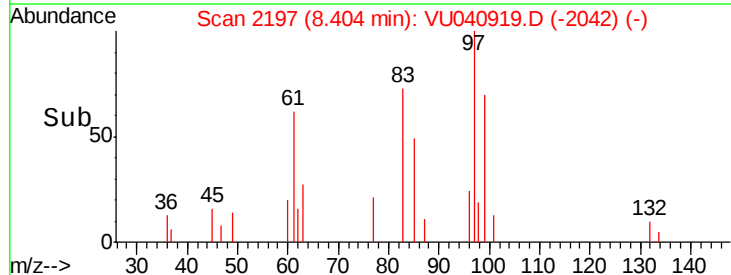
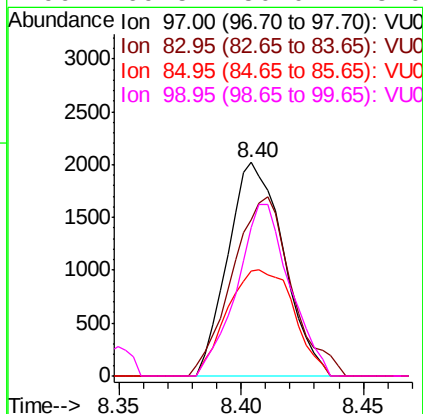
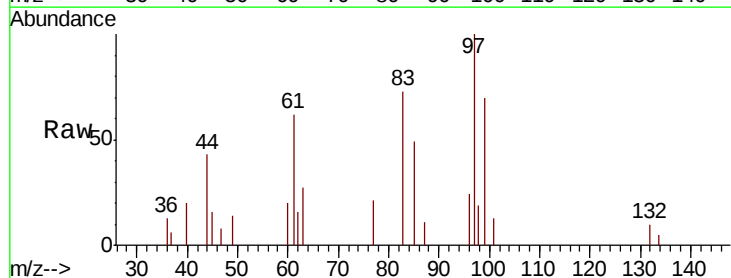
Instrument :
MSVOA_U
ClientSampleId :
BFB

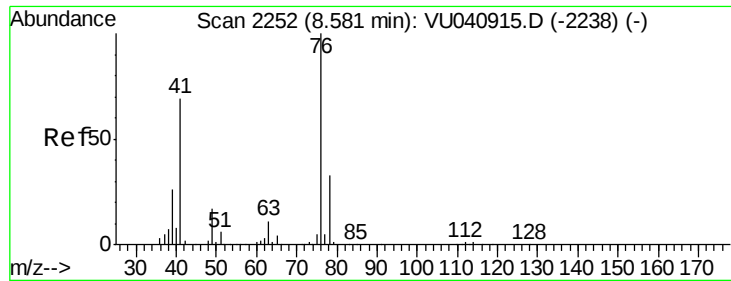
Tot Ion: 75 Resp: 4433
Ion Ratio Lower Upper
75 100
77 26.9 26.2 39.4



#52
1,1,2-Trichloroethane
Concen: 0.240 ug/l
RT: 8.40 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VU040919.D
Acq: 22 Oct 2020 23:24

Tgt Ion: 97 Resp: 3207
Ion Ratio Lower Upper
97 100
83 73.2 75.9 113.9#
85 49.0 46.1 69.1
99 69.5 50.0 75.0

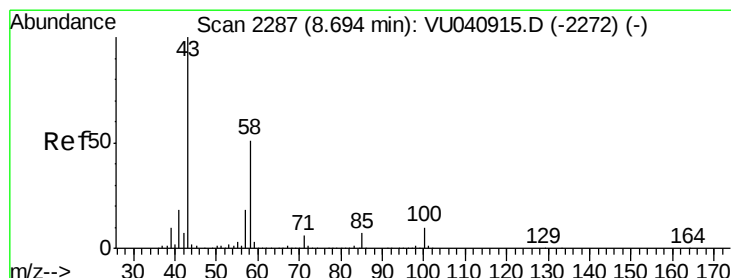
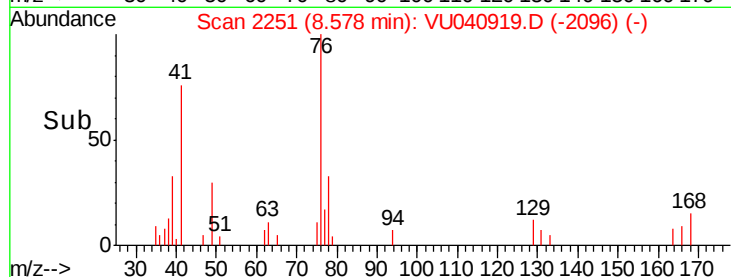
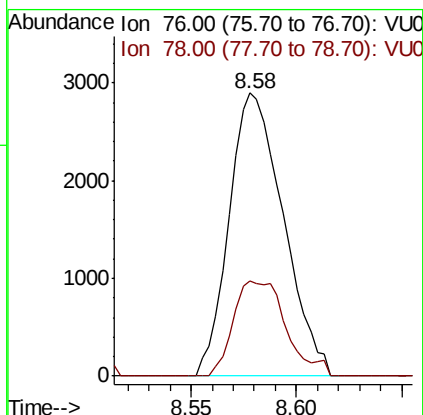
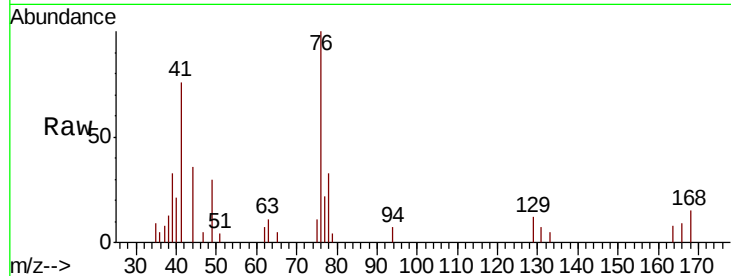




#53
 1,3-Dichloropropane
 Concen: 0.215 ug/l
 RT: 8.58 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VU040919.D
 Acq: 22 Oct 2020 23:24

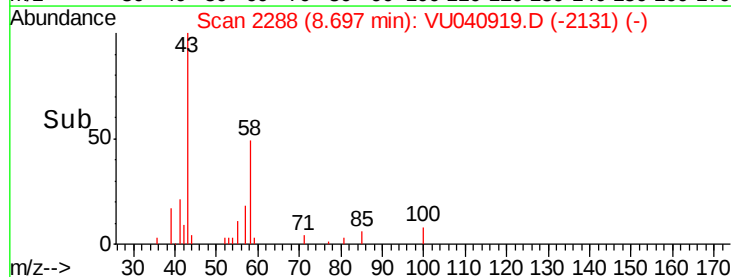
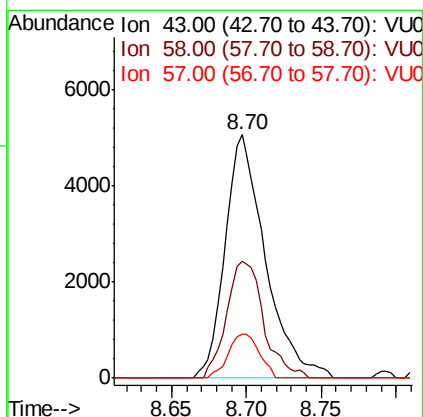
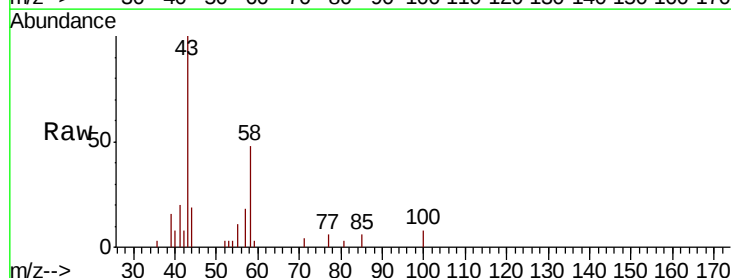
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

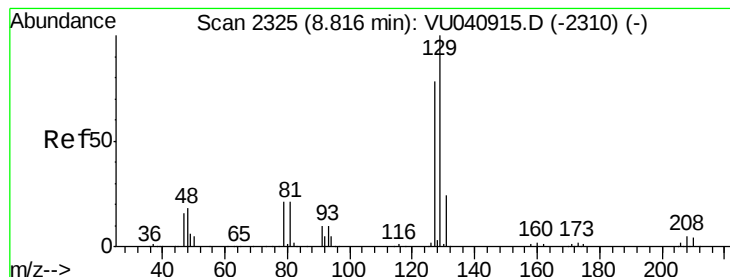
Tot Ion: 76 Resp: 5159
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.6 39.8



#54
 2-Hexanone
 Concen: 0.977 ug/l
 RT: 8.70 min Scan# 2288
 Delta R.T. 0.00 min
 Lab File: VU040919.D
 Acq: 22 Oct 2020 23:24

Tgt Ion: 43 Resp: 9478
 Ion Ratio Lower Upper
 43 100
 58 44.2 30.2 70.2
 57 13.9 0.0 37.4





#55

Dibromochloromethane

Concen: 0.234 ug/l

RT: 8.81 min Scan# 2324

Delta R.T. -0.00 min

Lab File: VU040919.D

Acq: 22 Oct 2020 23:24

Instrument :

MSVOA_U

ClientSampleId :

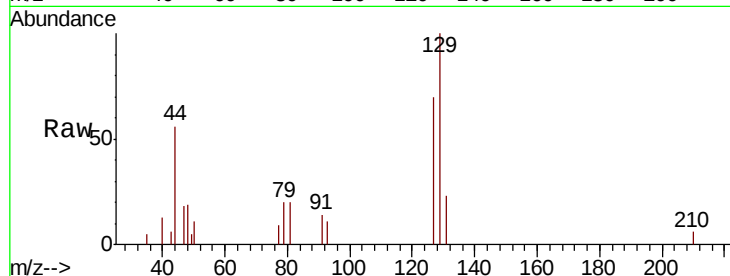
BFB

Tot Ion:129 Resp: 3758

Ion Ratio Lower Upper

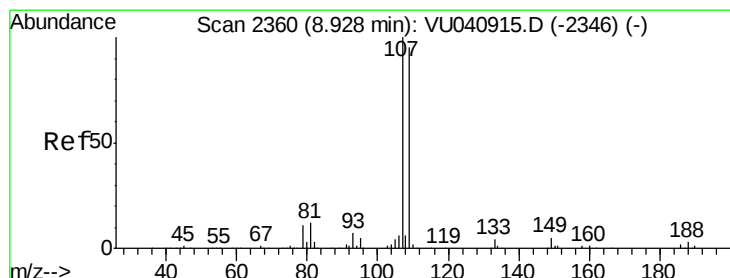
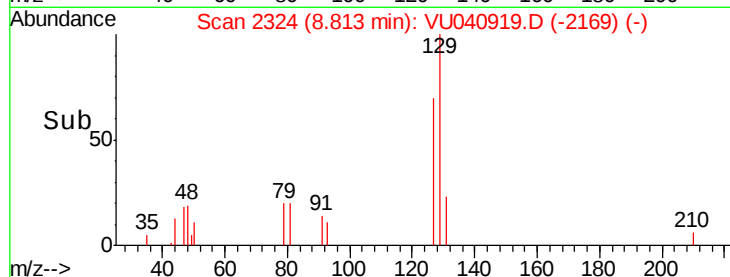
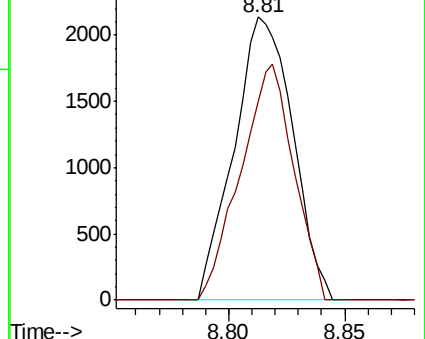
129 100

127 75.9 63.1 94.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 0.240 ug/l

RT: 8.93 min Scan# 2360

Delta R.T. 0.00 min

Lab File: VU040919.D

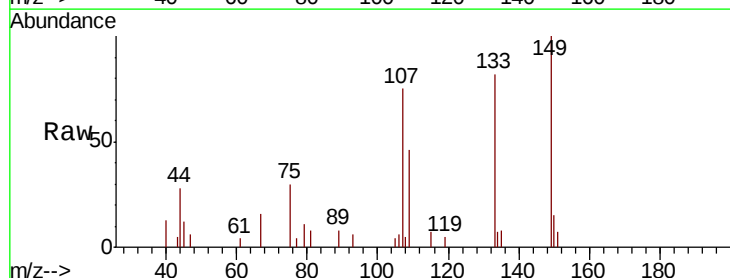
Acq: 22 Oct 2020 23:24

Tgt Ion:107 Resp: 2981

Ion Ratio Lower Upper

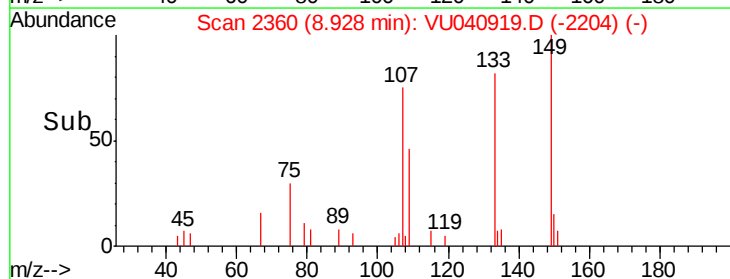
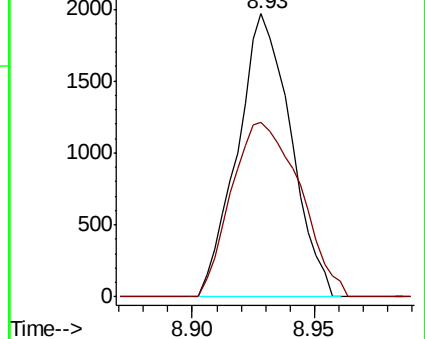
107 100

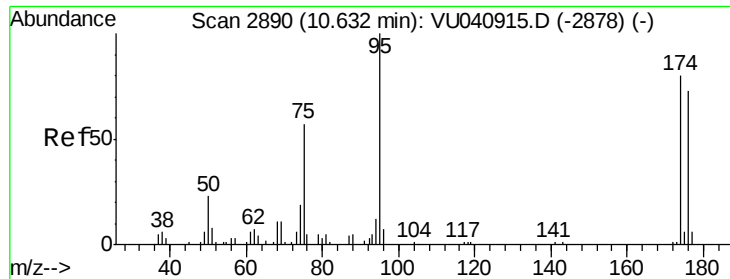
109 79.8 0.0 190.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

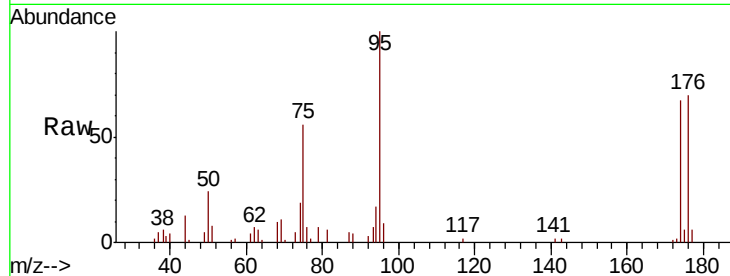




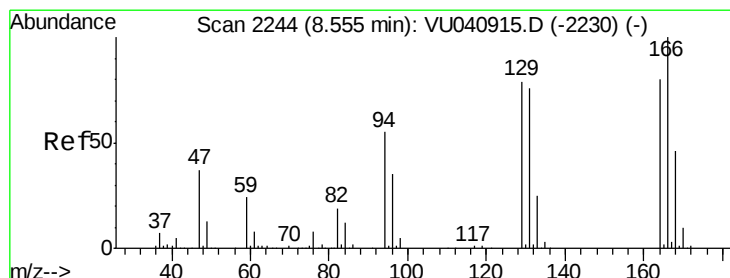
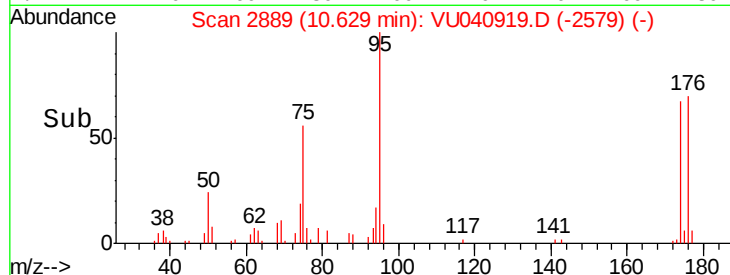
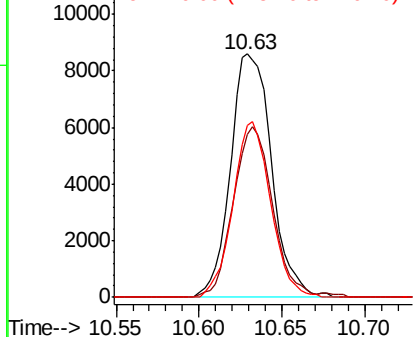
#57
4-Bromofluorobenzene
Concen: 0.781 ug/l
RT: 10.63 min Scan# 2889
Delta R.T. -0.00 min
Lab File: VU040919.D
Acq: 22 Oct 2020 23:24

Instrument :
MSVOA_U
ClientSampleId :
BFB

Tot Ion: 95 Resp: 14793
Ion Ratio Lower Upper
95 100
174 67.0 60.3 90.5
176 66.3 55.6 83.4

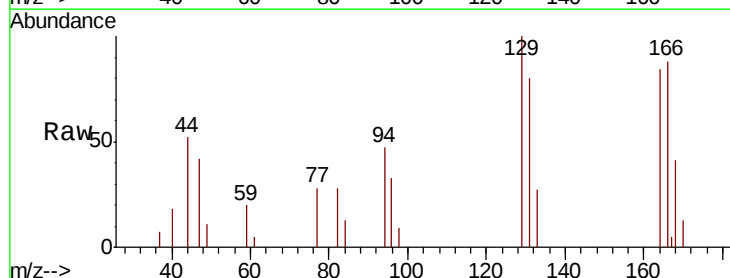


Abundance Ion 95.00 (94.70 to 95.70): VU040919.D (-2878) (-)
Ion 174.00 (173.70 to 174.70): VU040919.D (-2878) (-)
Ion 176.00 (175.70 to 176.70): VU040919.D (-2878) (-)

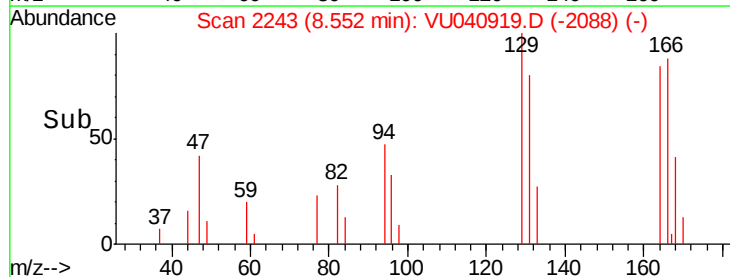
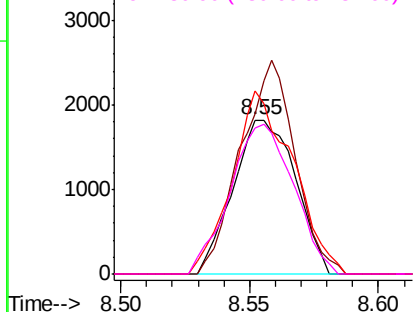


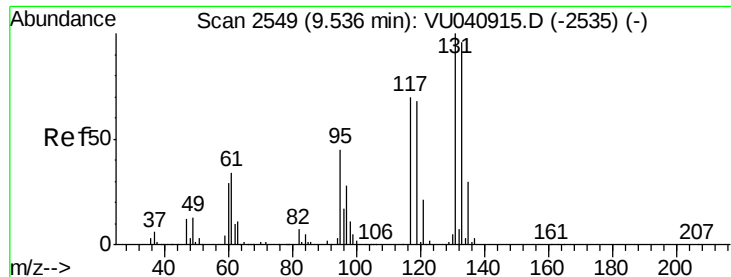
#58
Tetrachloroethene
Concen: 0.209 ug/l
RT: 8.55 min Scan# 2243
Delta R.T. -0.00 min
Lab File: VU040919.D
Acq: 22 Oct 2020 23:24

Tgt Ion: 164 Resp: 3080
Ion Ratio Lower Upper
164 100
166 103.8 100.3 150.5
129 118.7 79.4 119.0
131 94.5 76.2 114.4



Abundance Ion 163.85 (163.55 to 164.55): VU040919.D (-2088) (-)
Ion 165.80 (165.50 to 166.50): VU040919.D (-2088) (-)
Ion 128.90 (128.60 to 129.60): VU040919.D (-2088) (-)
Ion 130.90 (130.60 to 131.60): VU040919.D (-2088) (-)

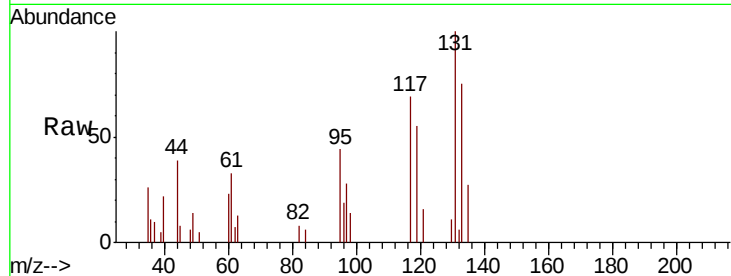




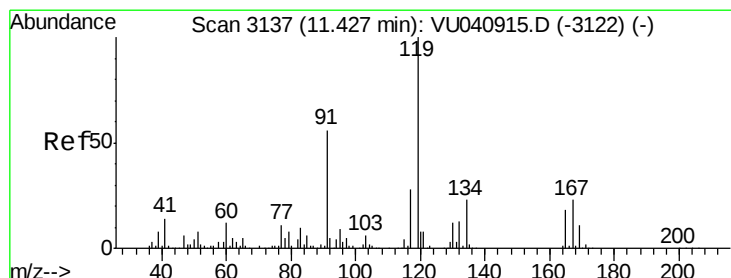
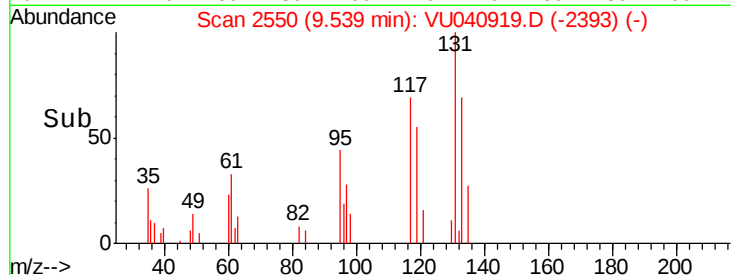
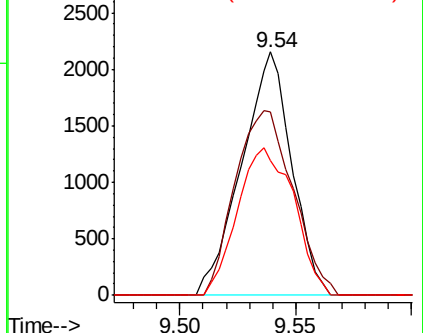
#60
 1,1,1,2-Tetrachloroethane
 Concen: 0.213 ug/l
 RT: 9.54 min Scan# 2550
 Delta R.T. 0.00 min
 Lab File: VU040919.D
 Acq: 22 Oct 2020 23:24

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

Tot Ion:131 Resp: 3234
 Ion Ratio Lower Upper
 131 100
 133 87.7 77.4 116.0
 119 68.2 53.5 80.3

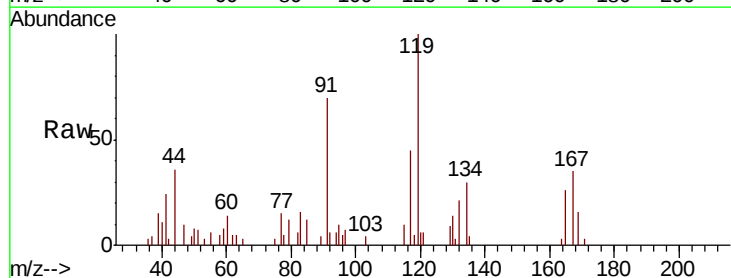


Abundance Ion 131.00 (130.70 to 131.70): V
 Ion 133.00 (132.70 to 133.70): V
 Ion 119.00 (118.70 to 119.70): V

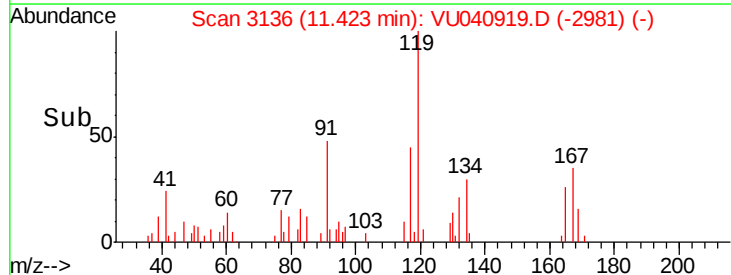
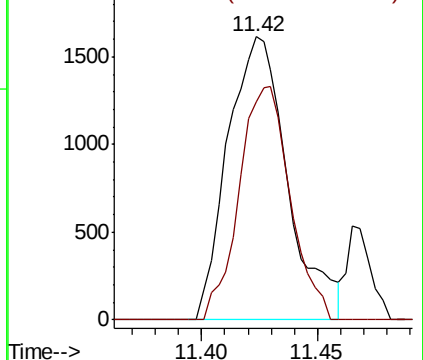


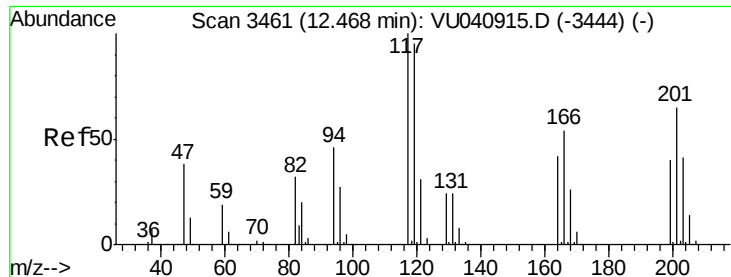
#61
 Pentachloroethane
 Concen: 0.236 ug/l
 RT: 11.42 min Scan# 3136
 Delta R.T. -0.00 min
 Lab File: VU040919.D
 Acq: 22 Oct 2020 23:24

Tgt Ion:117 Resp: 2901
 Ion Ratio Lower Upper
 117 100
 167 70.2 59.4 89.2



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 166.70 (166.40 to 167.40): V





#62

Hexachloroethane

Concen: 0.215 ug/l

RT: 12.47 min Scan# 3461

Delta R.T. 0.00 min

Lab File: VU040919.D

Acq: 22 Oct 2020 23:24

Instrument :

MSVOA_U

ClientSampleId :

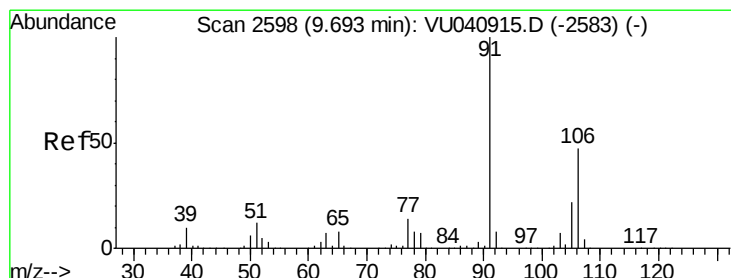
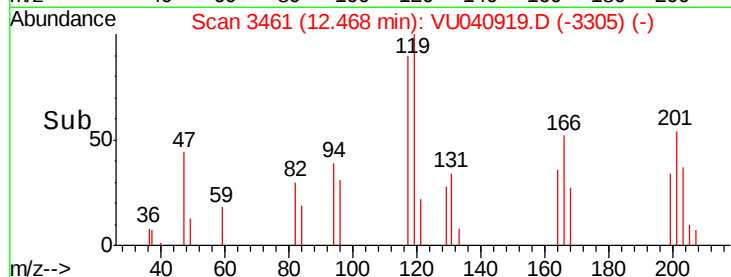
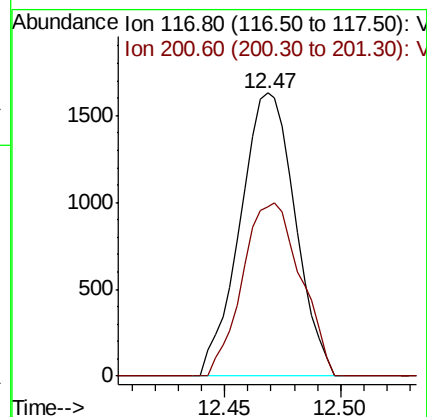
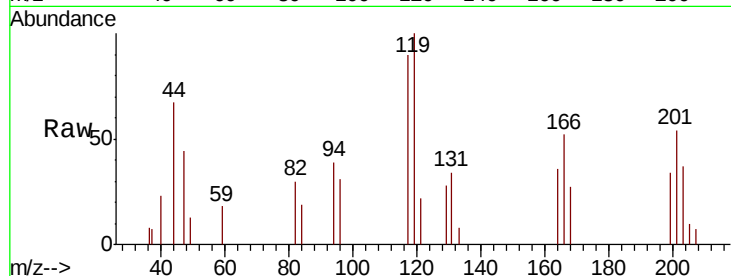
BFB

Tot Ion:117 Resp: 2688

Ion Ratio Lower Upper

117 100

201 64.9 52.6 78.8



#64

m/p-Xylenes

Concen: 0.280 ug/l

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU040919.D

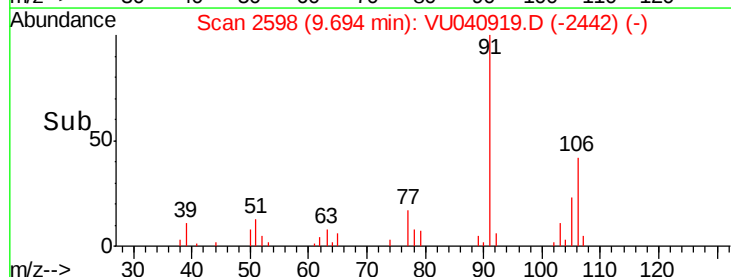
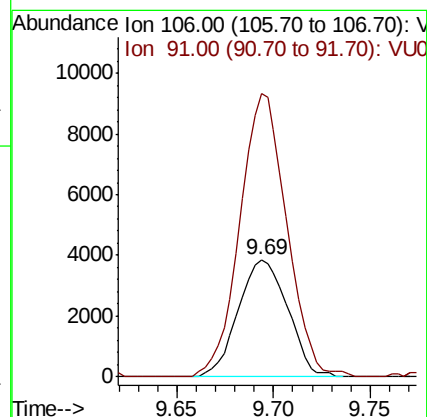
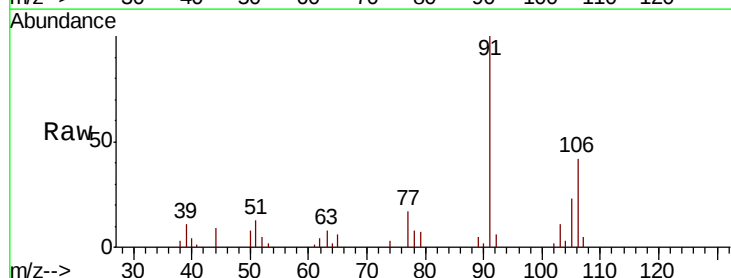
Acq: 22 Oct 2020 23:24

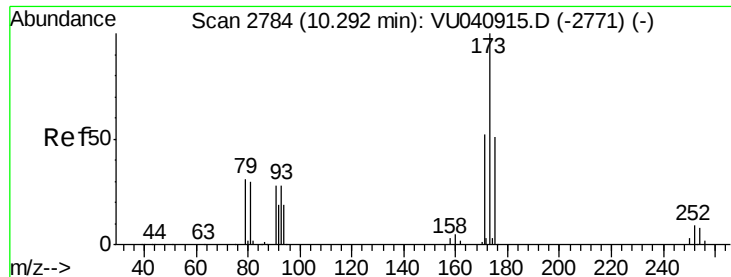
Tgt Ion:106 Resp: 6834

Ion Ratio Lower Upper

106 100

91 229.6 168.3 252.5





#67

Bromoform

Concen: 0.227 ug/l

RT: 10.29 min Scan# 2785

Delta R.T. 0.00 min

Lab File: VU040919.D

Acq: 22 Oct 2020 23:24

Instrument :

MSVOA_U

ClientSampled :

BFB

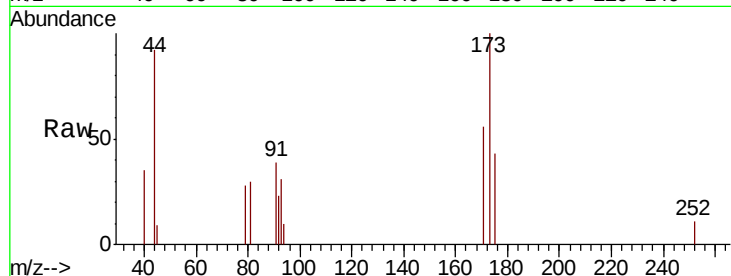
Tot Ion:173 Resp: 1970

Ion Ratio Lower Upper

173 100

175 42.5 39.0 58.4

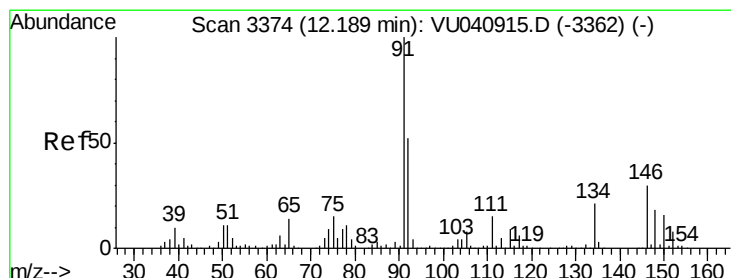
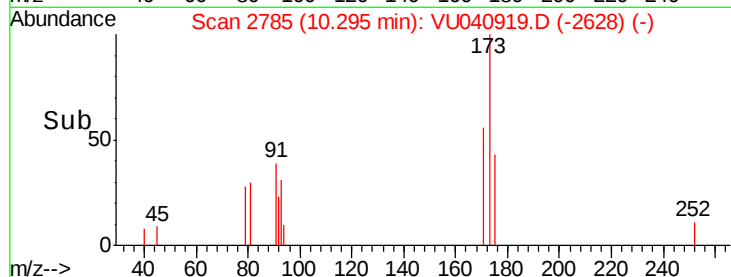
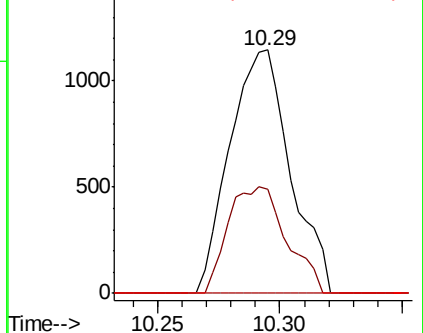
254 0.0 6.6 9.8#



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: 0.808 ug/l

RT: 12.19 min Scan# 3373

Delta R.T. -0.00 min

Lab File: VU040919.D

Acq: 22 Oct 2020 23:24

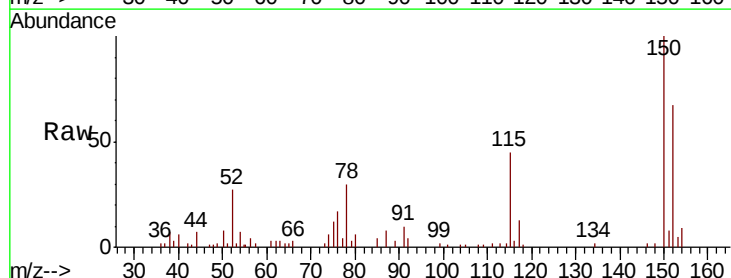
Tgt Ion:152 Resp: 15976

Ion Ratio Lower Upper

152 100

115 72.2 0.0 323.4

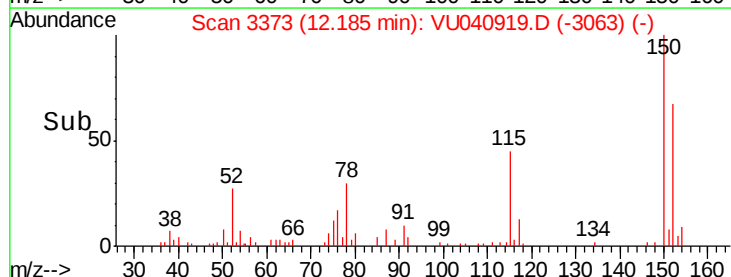
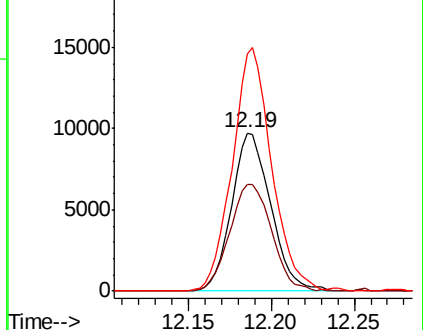
150 154.8 0.0 653.8

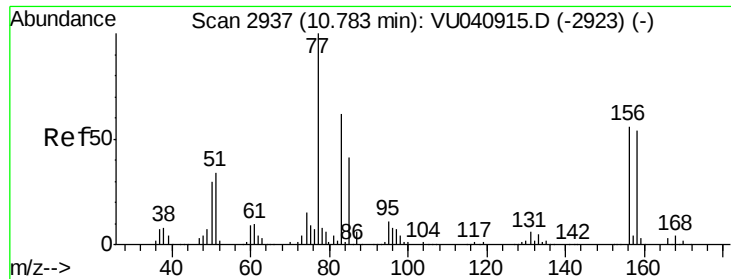


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#70

1,1,2,2-Tetrachloroethane

Concen: 0.226 ug/l

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040919.D

Acq: 22 Oct 2020 23:24

Instrument :

MSVOA_U

ClientSampleId :

BFB

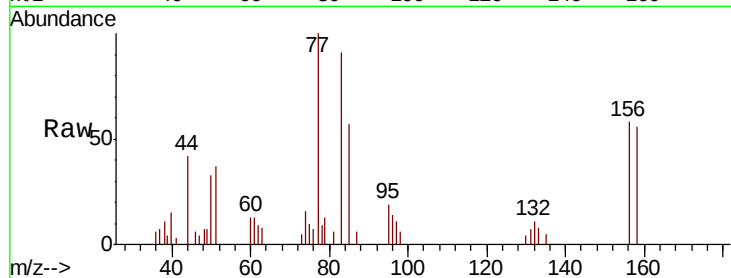
Tot Ion: 83 Resp: 4120

Ion Ratio Lower Upper

83 100

131 5.8 7.1 10.7#

85 60.8 51.8 77.6

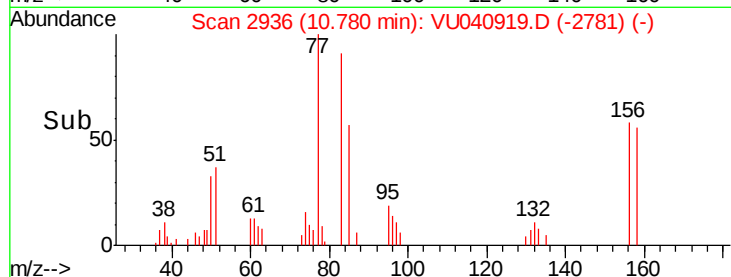


Abundance Ion 83.00 (82.70 to 83.70): VU040919.D (-2923) (-)

Ion 131.00 (130.70 to 131.70): VU040919.D (-2923) (-)

Ion 85.00 (84.70 to 85.70): VU040919.D (-2923) (-)

Time-->



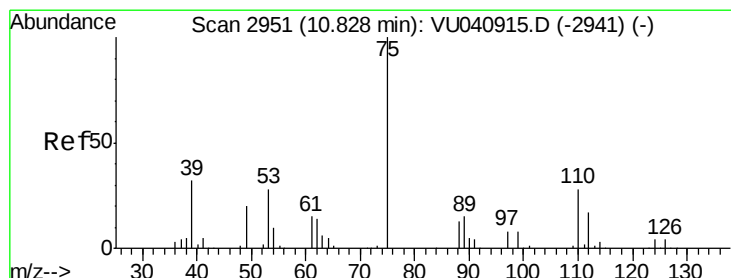
Abundance

Ion 83.00 (82.70 to 83.70): VU040919.D (-2781) (-)

Ion 131.00 (130.70 to 131.70): VU040919.D (-2781) (-)

Ion 85.00 (84.70 to 85.70): VU040919.D (-2781) (-)

Time-->



#71

1,2,3-Trichloropropane

Concen: 0.399 ug/l

RT: 10.83 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU040919.D

Acq: 22 Oct 2020 23:24

Tgt Ion: 75 Resp: 5535

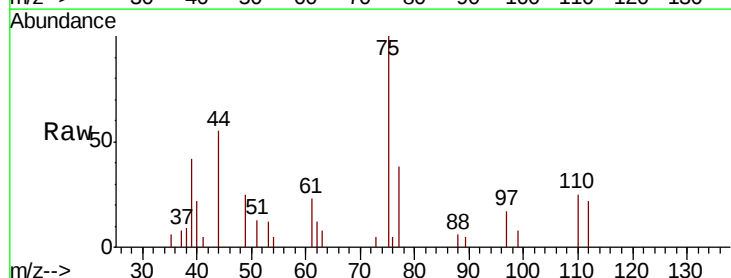
Ion Ratio Lower Upper

75 100

77 26.6 0.0 110.8

110 17.3 0.0 73.4

97 11.0 0.0 36.0



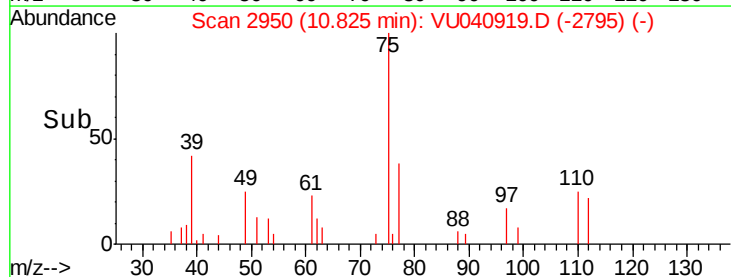
Abundance Ion 75.00 (74.70 to 75.70): VU040919.D (-2941) (-)

Ion 77.00 (76.70 to 77.70): VU040919.D (-2941) (-)

Ion 110.00 (109.70 to 110.70): VU040919.D (-2941) (-)

Ion 97.00 (96.70 to 97.70): VU040919.D (-2941) (-)

Time-->



Abundance

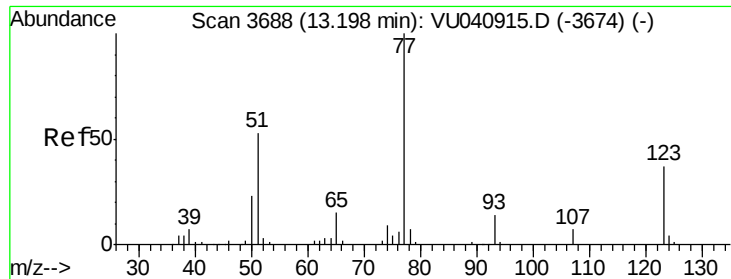
Ion 75.00 (74.70 to 75.70): VU040919.D (-2795) (-)

Ion 77.00 (76.70 to 77.70): VU040919.D (-2795) (-)

Ion 110.00 (109.70 to 110.70): VU040919.D (-2795) (-)

Ion 97.00 (96.70 to 97.70): VU040919.D (-2795) (-)

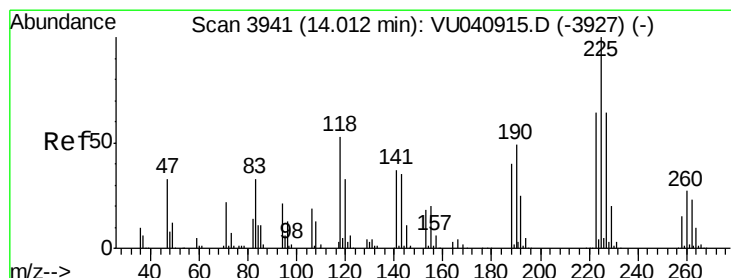
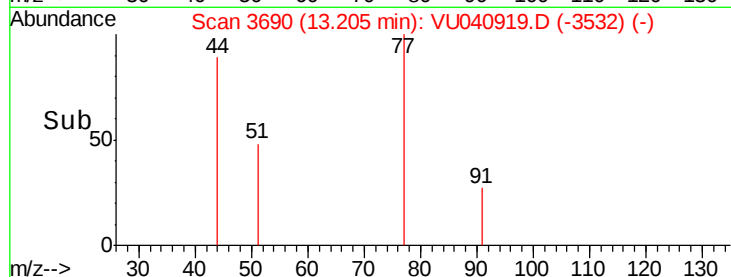
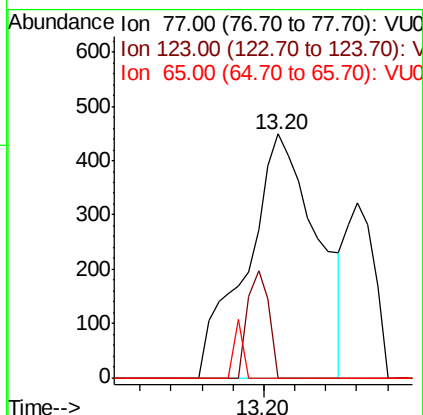
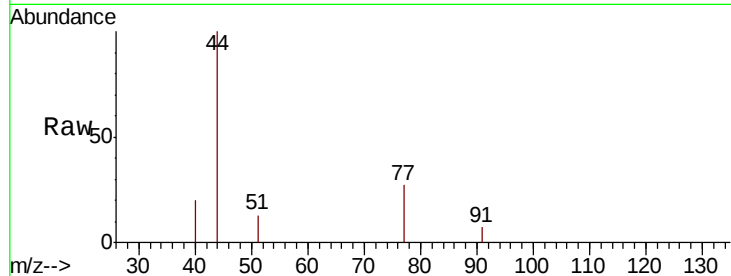
Time-->



#80
Nitrobenzene
Concen: 0.820 ug/l
RT: 13.20 min Scan# 3690
Delta R.T. 0.01 min
Lab File: VU040919.D
Acq: 22 Oct 2020 23:24

Instrument :
MSVOA_U
ClientSampled :
BFB

Tot Ion: 77 Resp: 706
Ion Ratio Lower Upper
77 100
123 13.3 16.8 59.4#
65 3.0 11.0 14.0#



#88
Hexachlorobutadiene
Concen: 0.229 ug/l
RT: 14.01 min Scan# 3941
Delta R.T. 0.00 min
Lab File: VU040919.D
Acq: 22 Oct 2020 23:24

Tgt Ion: 225 Resp: 2464
Ion Ratio Lower Upper
225 100
223 63.9 49.9 74.9
227 58.0 51.1 76.7

