

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061920\
 Data File : VU038990.D
 Acq On : 19 Jun 2020 17:53
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB17

Quant Time: Jun 20 05:39:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jun 20 05:37:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	291017	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	287928	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	149111	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	131878	4.90	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.00%
7) Chloroethane-d5	1.93	69	99742	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.40%
11) 1,1-Dichloroethene-d2	2.59	63	236557	4.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.80%
20) 2-Butanone-d5	4.67	46	398501	49.19	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.38%
24) Chloroform-d	5.10	84	227777	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
26) 1,2-Dichloroethane-d4	5.74	65	127522	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
32) Benzene-d6	5.76	84	445588	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
36) 1,2-Dichloropropane-d6	6.72	67	142861	5.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.80%
41) Toluene-d8	7.92	98	480696	5.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.60%
43) trans-1,3-Dichloropropene-	8.20	79	75485	5.63	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	112.60%
46) 2-Hexanone-d5	8.66	63	361198	61.67	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	123.34%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	122945	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.60%
64) 1,2-Dichlorobenzene-d4	12.21	152	154193	5.14	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	138129	4.640 ug/L	99
3) Chloromethane	1.53	50	134402	4.560 ug/L	97
5) Vinyl chloride	1.62	62	146364	4.761 ug/L	99
6) Bromomethane	1.87	94	60310	5.110 ug/L	97
8) Chloroethane	1.95	64	84753	4.845 ug/L	98
9) Trichlorofluoromethane	2.16	101	181029	4.523 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	107153	4.552 ug/L	98
12) 1,1-Dichloroethene	2.61	96	101501	4.708 ug/L	99
13) Acetone	2.67	43	226942	45.515 ug/L	100
14) Carbon disulfide	2.82	76	350718	4.774 ug/L	99
15) Methyl Acetate	2.98	43	55424	4.475 ug/L	98
16) Methylene chloride	3.08	84	119020	4.488 ug/L	98
17) Methyl tert-butyl Ether	3.40	73	275425	4.820 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	109813	4.821 ug/L	97
19) 1,1-Dichloroethane	3.91	63	208979	4.752 ug/L	97
21) 2-Butanone	4.75	43	389062	48.370 ug/L	98
22) cis-1,2-Dichloroethene	4.71	96	117034	4.847 ug/L	97

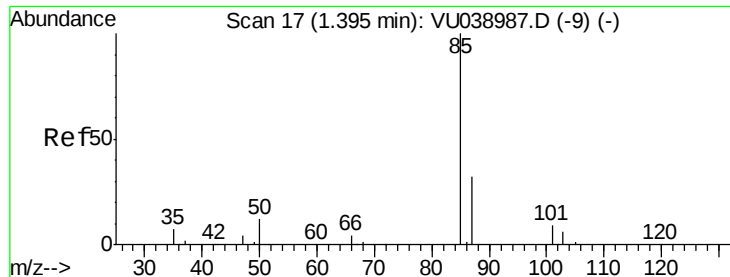
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061920\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	53354	4.842	ug/L	95
25) Chloroform	5.12	83	204324	4.712	ug/L	98
27) 1,2-Dichloroethane	5.83	62	143235	4.581	ug/L	99
29) 1,1,1-Trichloroethane	5.35	97	178338	4.799	ug/L	100
30) Cyclohexane	5.42	56	176431	4.803	ug/L	98
31) Carbon tetrachloride	5.56	117	148902	4.766	ug/L	98
33) Benzene	5.81	78	452717	4.821	ug/L	100
34) Trichloroethene	6.57	95	112522	4.795	ug/L	97
35) Methylcyclohexane	6.79	83	175224	4.843	ug/L	100
37) 1,2-Dichloropropane	6.82	63	118873	4.694	ug/L	99
38) Bromodichloromethane	7.13	83	147998	4.494	ug/L	98
39) cis-1,3-Dichloropropene	7.63	75	217591	5.437	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	1172149	54.596	ug/L	98
42) Toluene	7.99	91	561990	5.356	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	193570	5.523	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	104129	5.206	ug/L	99
47) Tetrachloroethene	8.57	164	97056	5.437	ug/L	97
48) 2-Hexanone	8.71	43	807086	56.113	ug/L	99
49) Dibromochloromethane	8.83	129	99252	4.594	ug/L	100
50) 1,2-Dibromoethane	8.95	107	83135	4.480	ug/L	98
51) Chlorobenzene	9.47	112	291058	4.761	ug/L	99
52) Ethylbenzene	9.59	91	491466	4.671	ug/L	100
53) m,p-Xylene	9.71	106	190157	4.804	ug/L	99
54) o-Xylene	10.12	106	186461	4.854	ug/L	99
55) Styrene	10.13	104	325019	4.929	ug/L	99
56) Isopropylbenzene	10.50	105	482832	4.851	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	117098	4.769	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	88218	4.839	ug/L	99
61) Bromoform	10.31	173	55834	4.587	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	237539	4.883	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	243812	4.877	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	227559	4.877	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	21589	4.956	ug/L	97
67) 1,3,5-Trichlorobenzene	13.25	180	175267	4.709	ug/L	97
68) 1,2,4-trichlorobenzene	13.87	180	163172	4.941	ug/L	99
69) Naphthalene	14.12	128	318400	5.253	ug/L	99
70) 1,2,3-Trichlorobenzene	14.37	180	154620	4.903	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 4.640 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038990.D

Acq: 19 Jun 2020 17:53

Instrument :

MSVOA_U

ClientSampleId :

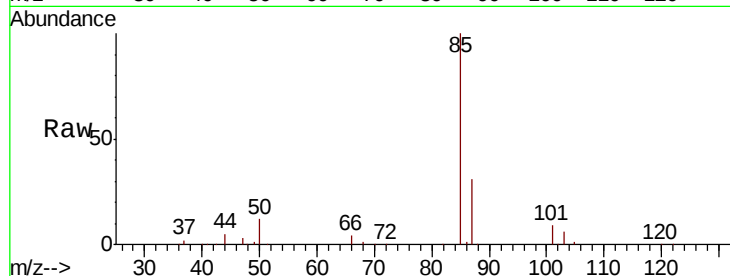
BFB17

Tot Ion: 85 Resp: 138129

Ion Ratio Lower Upper

85 100

87 32.2 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU038987.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU038987.D (-9) (-)

1.39

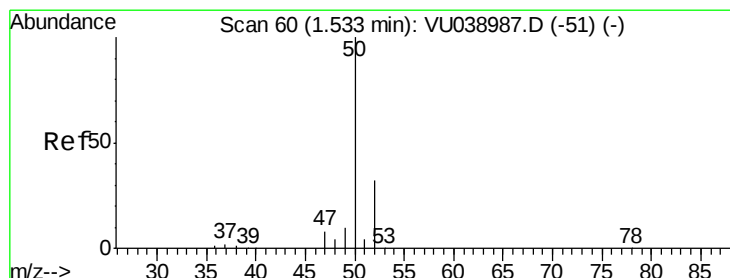
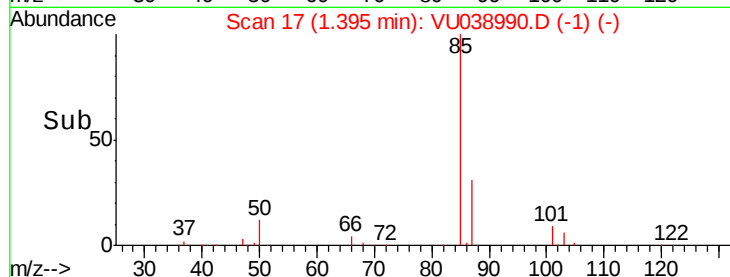
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.560 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU038990.D

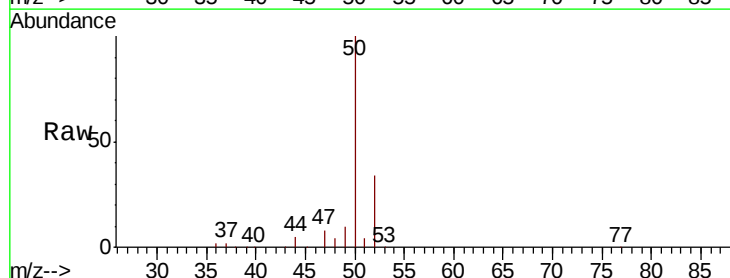
Acq: 19 Jun 2020 17:53

Tgt Ion: 50 Resp: 134402

Ion Ratio Lower Upper

50 100

52 33.7 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VU038987.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU038987.D (-51) (-)

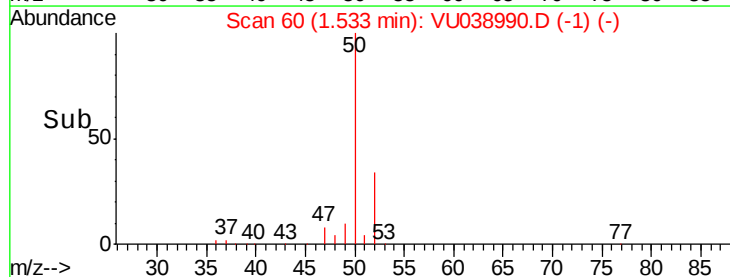
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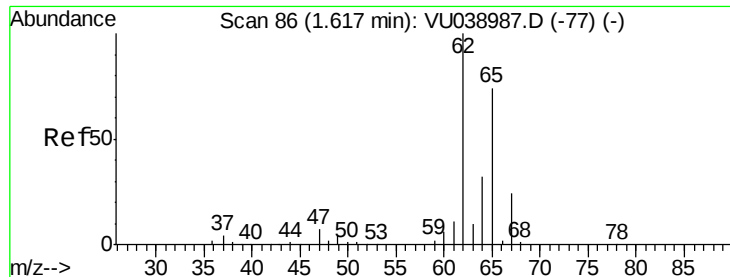
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 4.761 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038990.D

Acq: 19 Jun 2020 17:53

Instrument :

MSVOA_U

ClientSampleId :

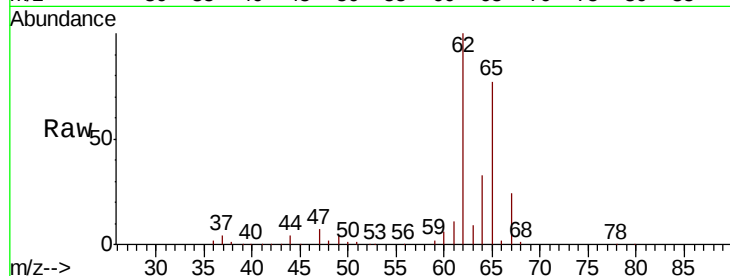
BFB17

Tot Ion: 62 Resp: 146364

Ion Ratio Lower Upper

62 100

64 32.6 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.62

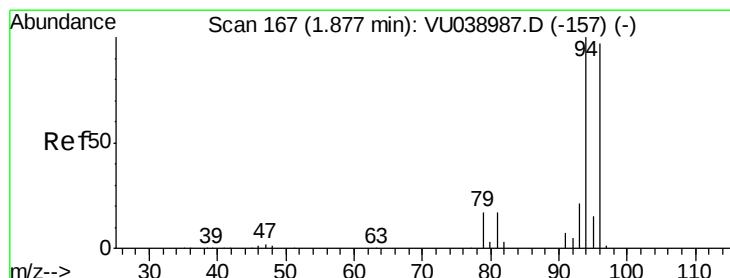
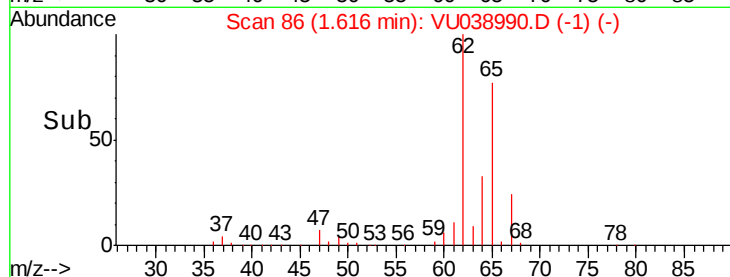
150000

100000

50000

0

Time--> 1.55 1.60 1.65



#6

Bromomethane

Concen: 5.110 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU038990.D

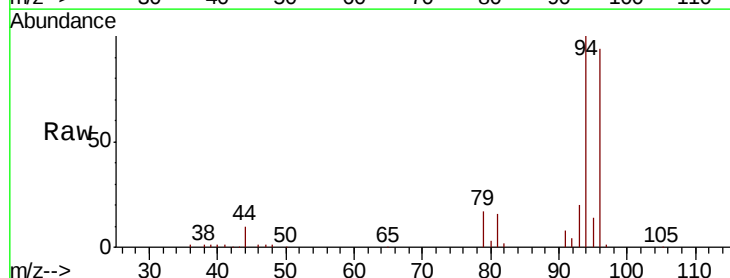
Acq: 19 Jun 2020 17:53

Tgt Ion: 94 Resp: 60310

Ion Ratio Lower Upper

94 100

96 94.1 68.0 126.4



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.87

50000

40000

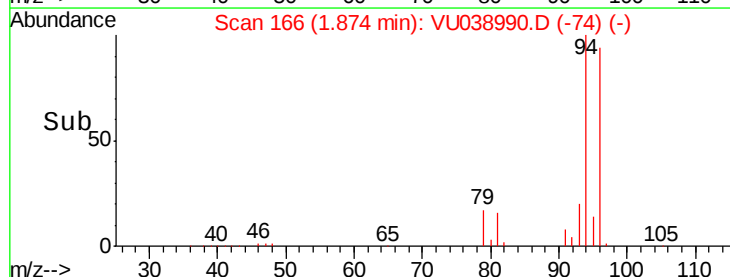
30000

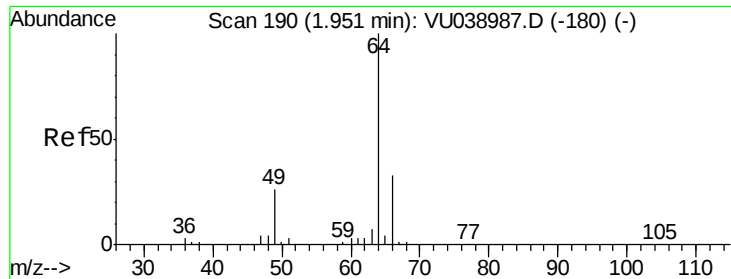
20000

10000

0

Time--> 1.85 1.90 1.95

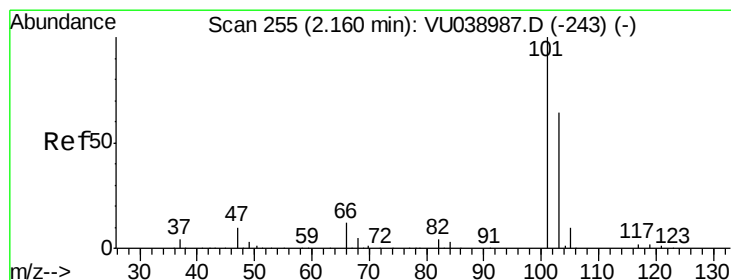
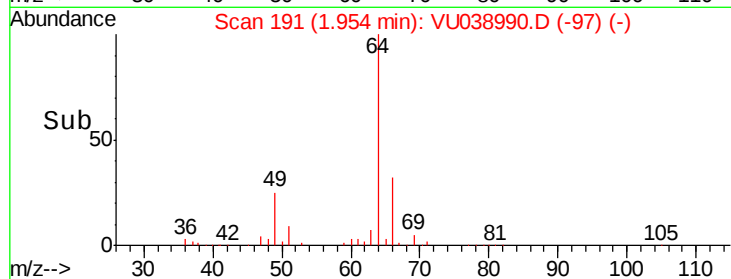
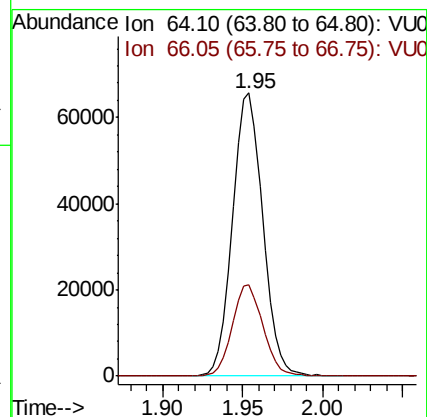
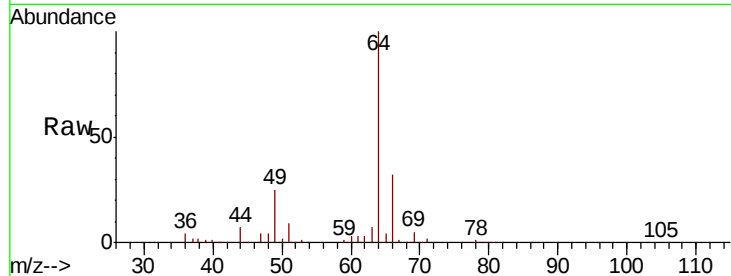




#8
Chloroethane
Concen: 4.845 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.00 min
Lab File: VU038990.D
Acq: 19 Jun 2020 17:53

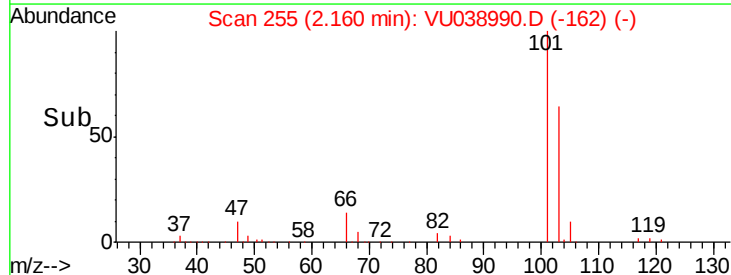
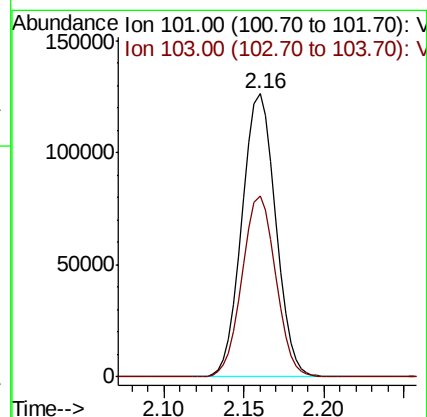
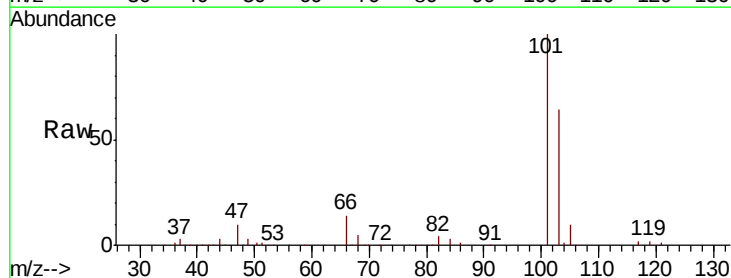
Instrument :
MSVOA_U
ClientSampled :
BFB17

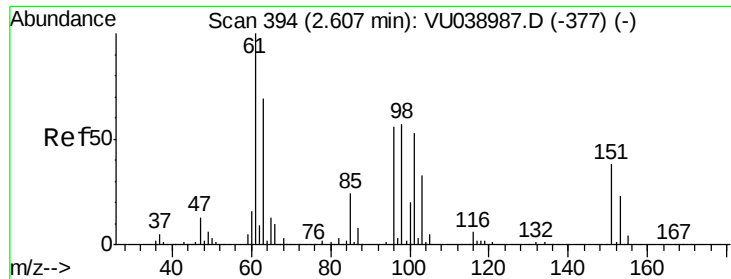
Tot Ion: 64 Resp: 84753
Ion Ratio Lower Upper
64 100
66 32.2 23.2 43.2



#9
Trichlorofluoromethane
Concen: 4.523 ug/L
RT: 2.16 min Scan# 255
Delta R.T. -0.00 min
Lab File: VU038990.D
Acq: 19 Jun 2020 17:53

Tgt Ion:101 Resp: 181029
Ion Ratio Lower Upper
101 100
103 63.9 51.1 76.7





#10

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

Concen: 4.552 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU038990.D

Acq: 19 Jun 2020 17:53

Instrument :

MSVOA_U

ClientSampleId :

BFB17

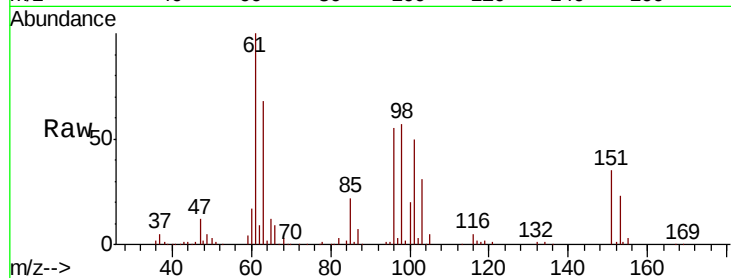
Tot Ion:101 Resp: 107153

Ion Ratio Lower Upper

101 100

85 44.1 36.1 54.1

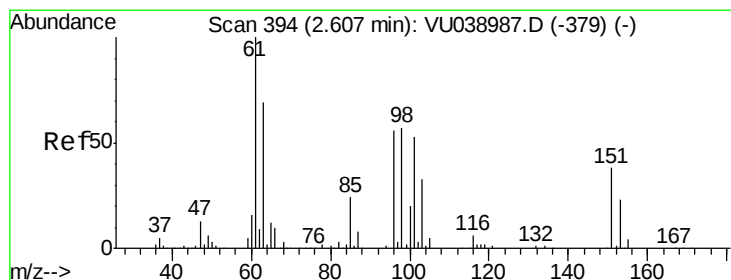
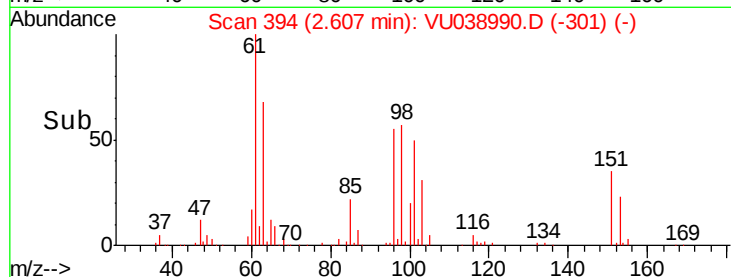
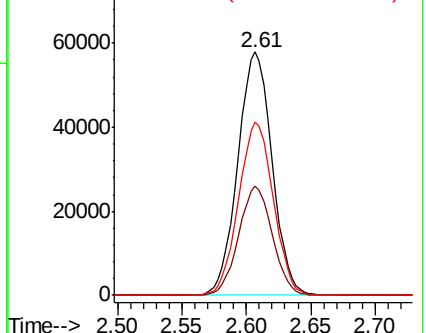
151 72.0 56.2 84.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.708 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU038990.D

Acq: 19 Jun 2020 17:53

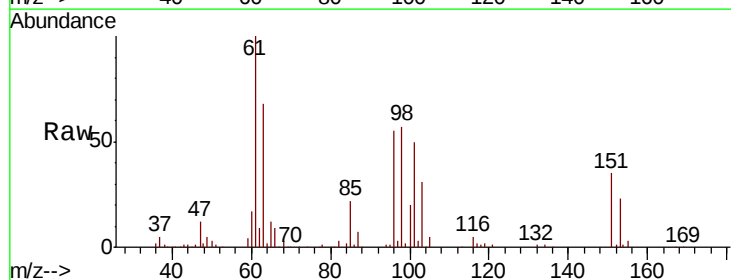
Tgt Ion: 96 Resp: 101501

Ion Ratio Lower Upper

96 100

61 182.4 126.0 234.0

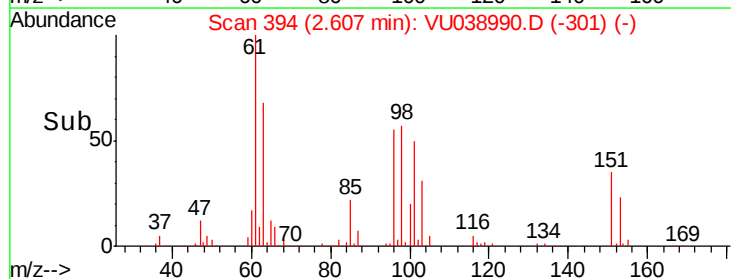
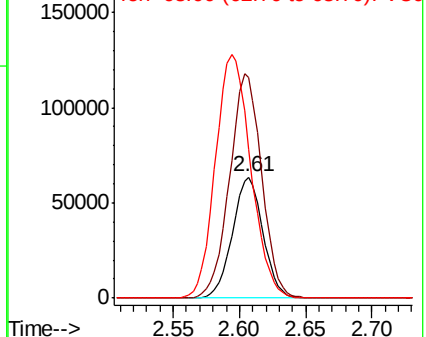
63 123.2 87.2 162.0

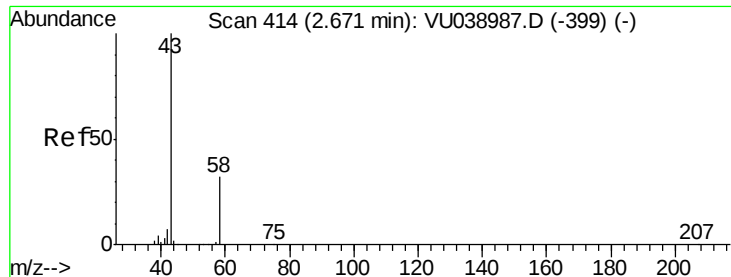


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 45.515 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.00 min

Lab File: VU038990.D

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MSVOA_U

ClientSampleId :

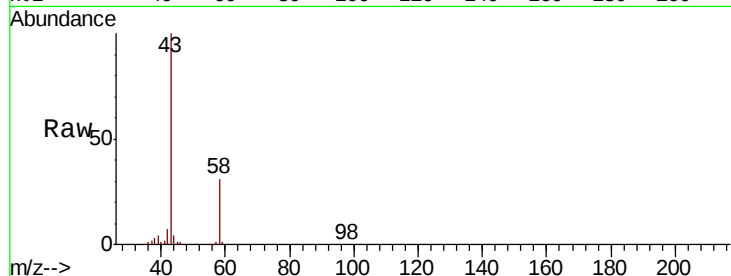
BFB17

Tot Ion: 43 Resp: 226942

Ion Ratio Lower Upper

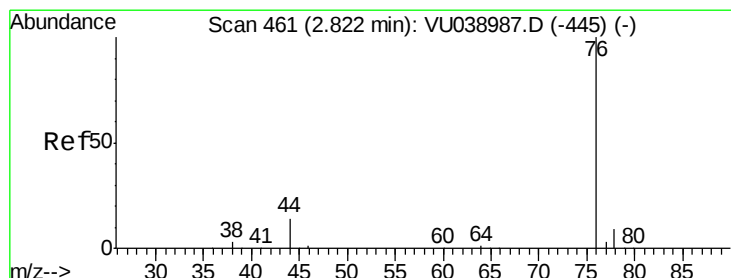
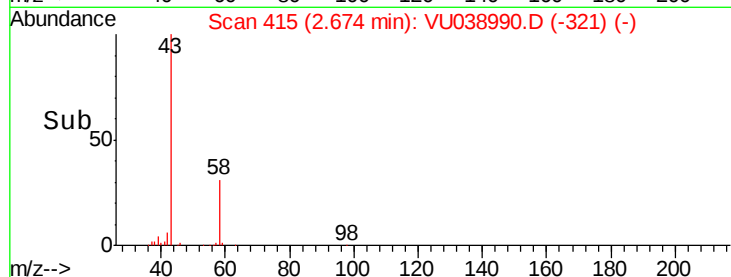
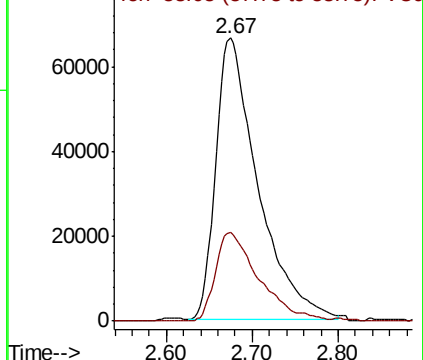
43 100

58 32.4 0.0 64.4



Abundance Ion 43.05 (42.75 to 43.75): VU038987.D (-399) (-)

Ion 58.05 (57.75 to 58.75): VU038987.D (-399) (-)



#14

Carbon disulfide

Concen: 4.774 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU038990.D

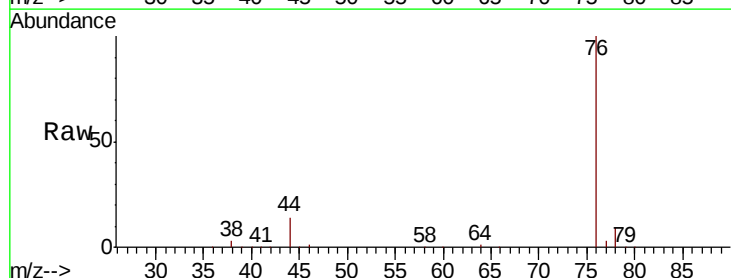
Acq: 19 Jun 2020 17:53

Tgt Ion: 76 Resp: 350718

Ion Ratio Lower Upper

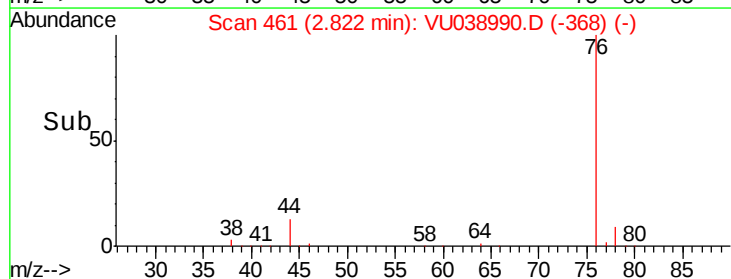
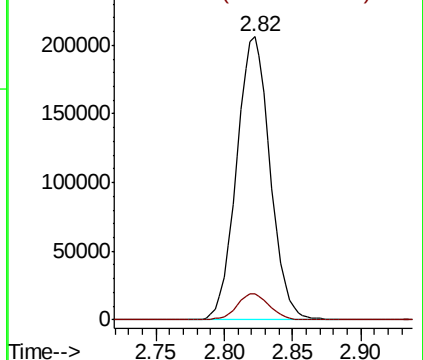
76 100

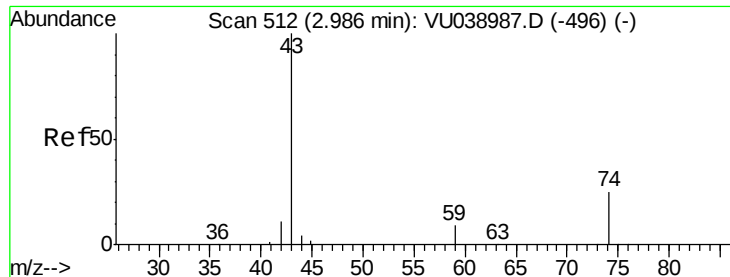
78 9.2 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU038987.D (-445) (-)

Ion 78.00 (77.70 to 78.70): VU038987.D (-445) (-)

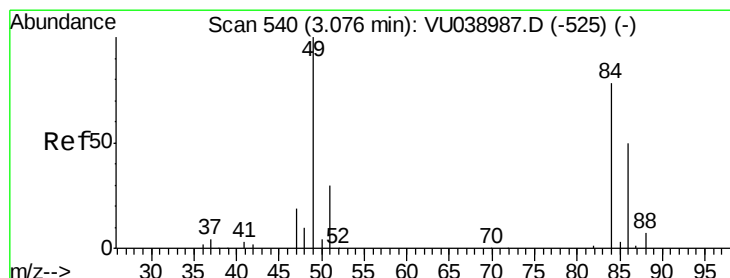
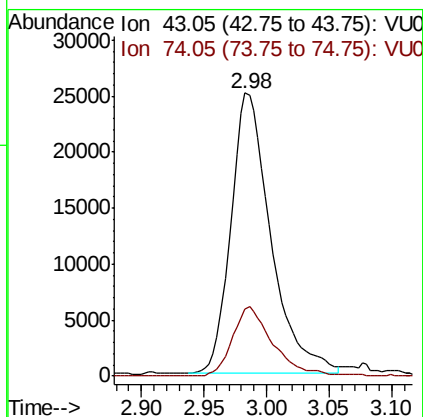
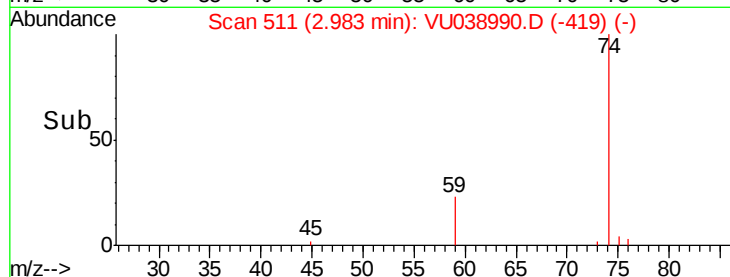
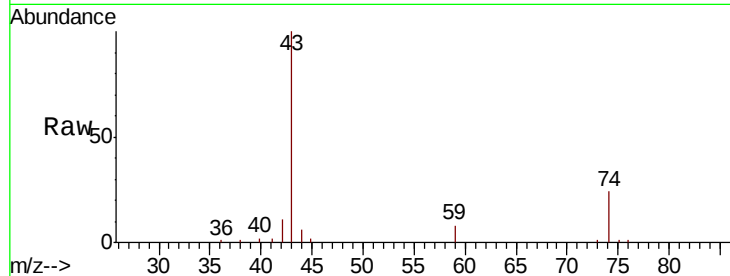




#15
Methvl Acetate
Concen: 4.475 ug/L
RT: 2.98 min Scan# 511
Delta R.T. -0.00 min
Lab File: VU038990.D
Acq: 19 Jun 2020 17:53

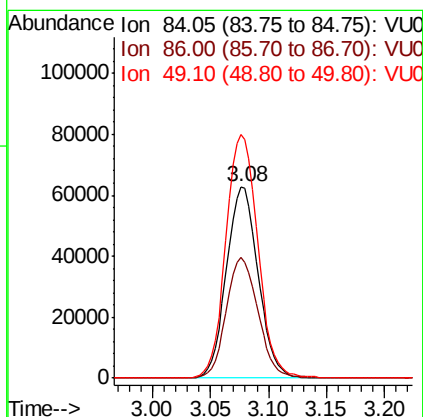
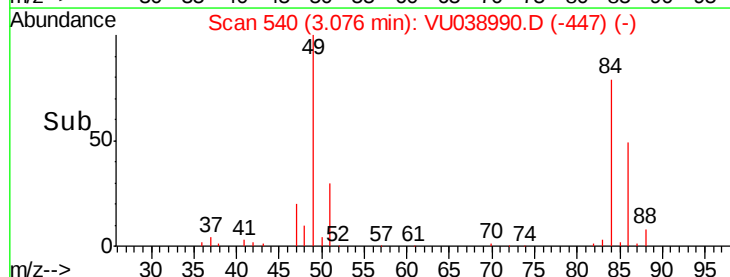
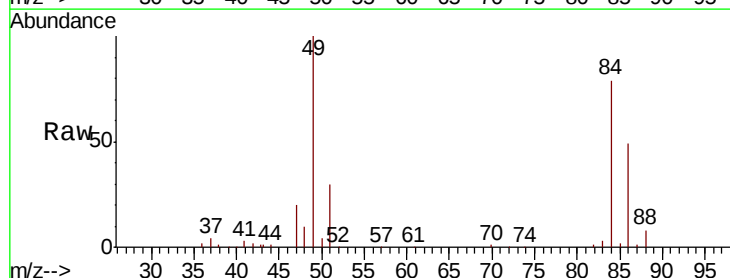
Instrument :
MSVOA_U
ClientSampleId :
BFB17

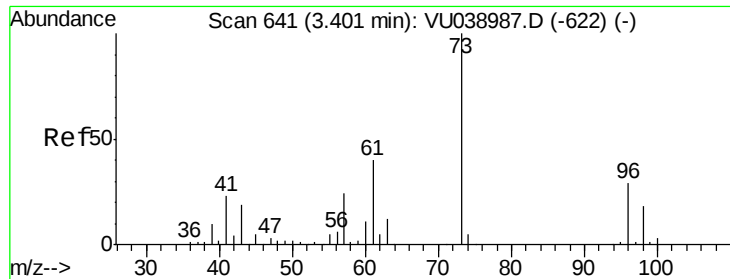
Tot Ion: 43 Resp: 55424
Ion Ratio Lower Upper
43 100
74 25.2 19.3 28.9



#16
Methylene chloride
Concen: 4.488 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU038990.D
Acq: 19 Jun 2020 17:53

Tgt Ion: 84 Resp: 119020
Ion Ratio Lower Upper
84 100
86 62.7 45.1 83.7
49 127.0 90.3 167.7

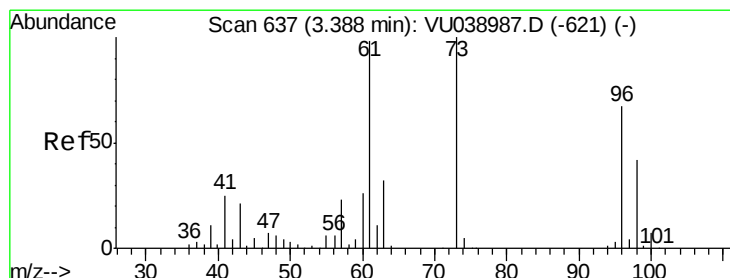
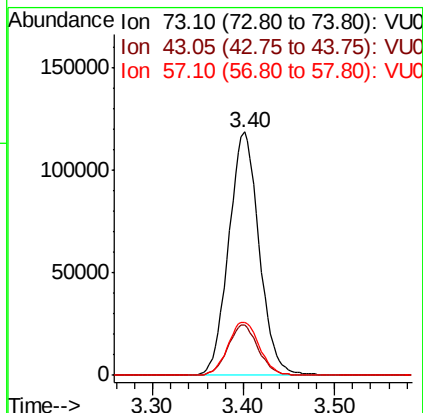
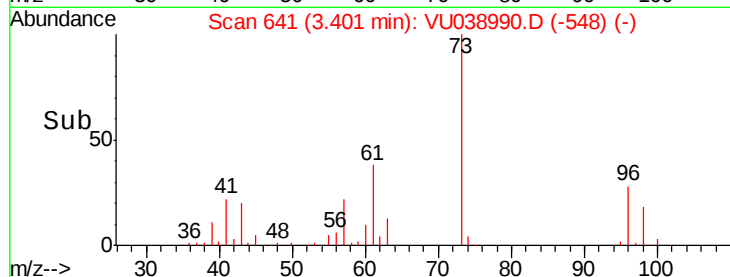
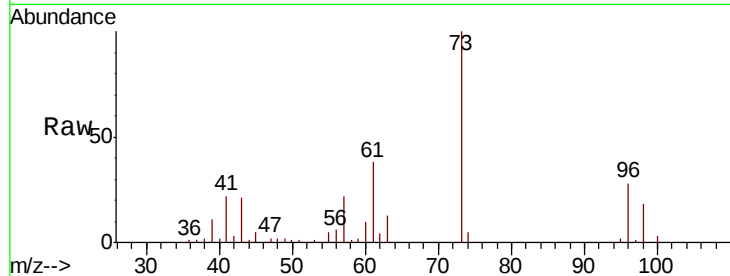




#17
Methvl tert-butvl Ether
Concen: 4.820 ug/L
RT: 3.40 min Scan# 641
Delta R.T. -0.00 min
Lab File: VU038990.D
Acq: 19 Jun 2020 17:53

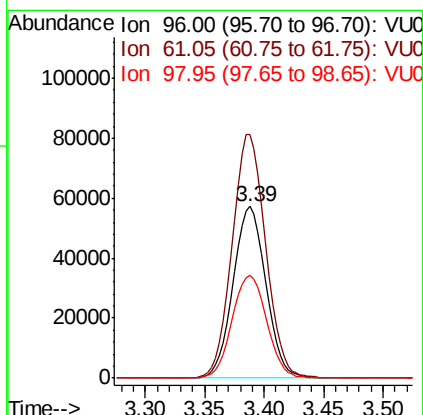
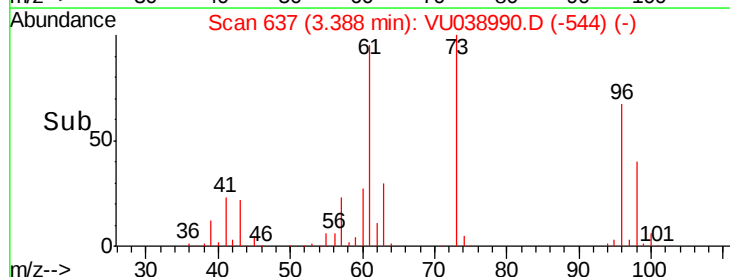
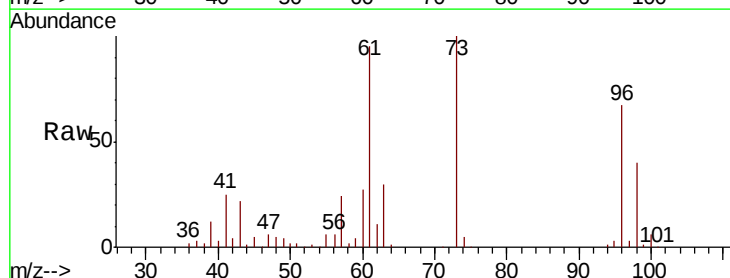
Instrument :
MSVOA_U
ClientSampleId :
BFB17

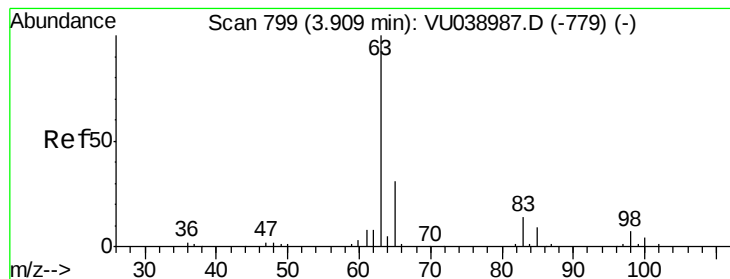
Tot Ion: 73 Resp: 275425
Ion Ratio Lower Upper
73 100
43 20.8 16.3 24.5
57 22.8 18.1 27.1



#18
trans-1,2-Dichloroethene
Concen: 4.821 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU038990.D
Acq: 19 Jun 2020 17:53

Tgt Ion: 96 Resp: 109813
Ion Ratio Lower Upper
96 100
61 141.9 101.8 189.2
98 59.6 44.0 81.6





#19

1,1-Dichloroethane

Concen: 4.752 ug/L

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU038990.D

Acq: 19 Jun 2020 17:53

Instrument :

MSVOA_U

ClientSampleId :

BFB17

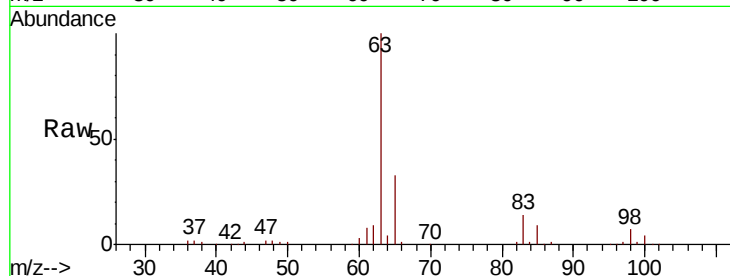
Tot Ion: 63 Resp: 208979

Ion Ratio Lower Upper

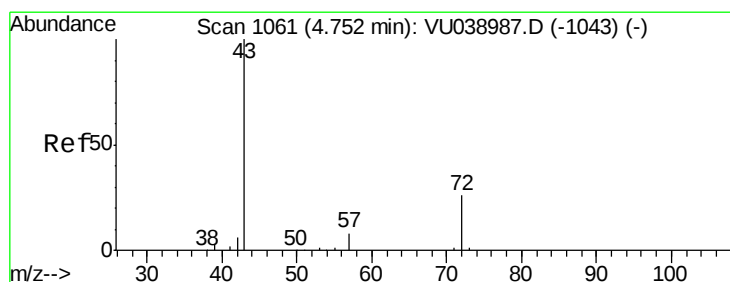
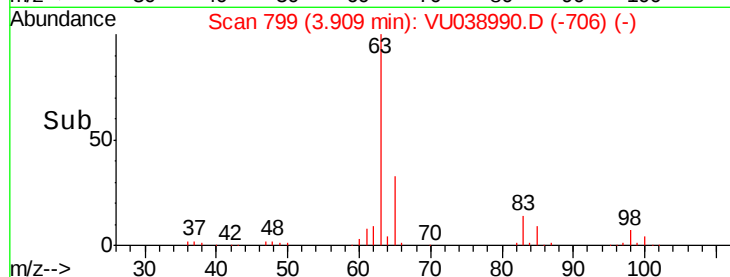
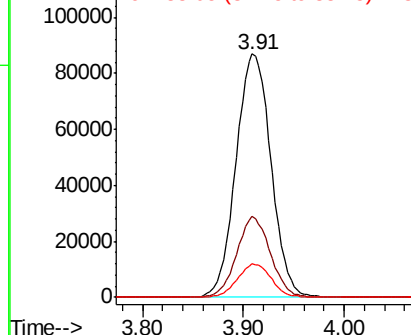
63 100

65 33.2 21.5 39.9

83 13.6 9.6 17.8



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 65.10 (64.80 to 65.80): VU0
Ion 83.05 (82.75 to 83.75): VU0



#21

2-Butanone

Concen: 48.370 ug/L

RT: 4.75 min Scan# 1062

Delta R.T. 0.00 min

Lab File: VU038990.D

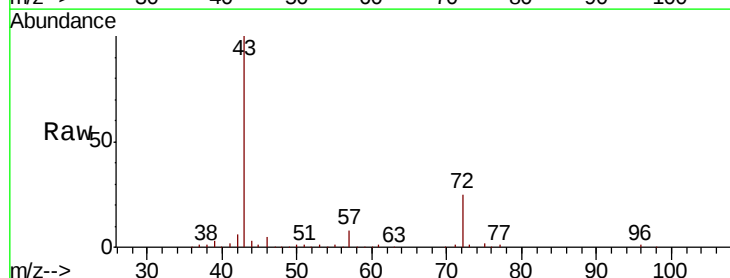
Acq: 19 Jun 2020 17:53

Tgt Ion: 43 Resp: 389062

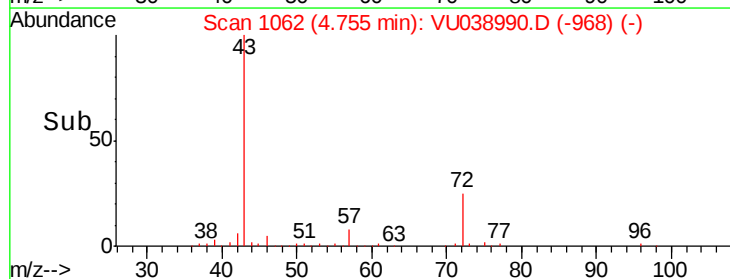
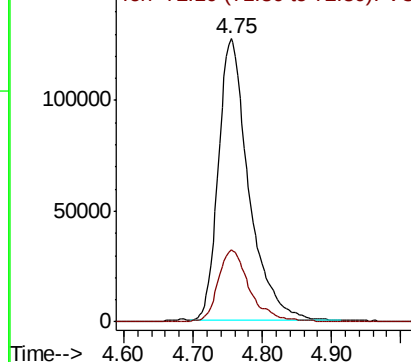
Ion Ratio Lower Upper

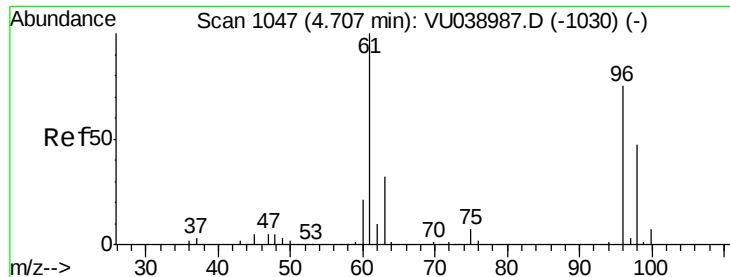
43 100

72 26.9 13.0 38.9



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 4.847 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038990.D

Acq: 19 Jun 2020 17:53

Instrument :

MSVOA_U

ClientSampleId :

BFB17

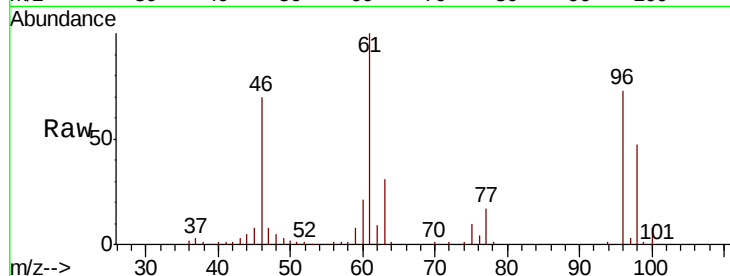
Tot Ion: 96 Resp: 117034

Ion Ratio Lower Upper

96 100

61 137.3 94.0 174.6

68 0.0 0.0 0.0

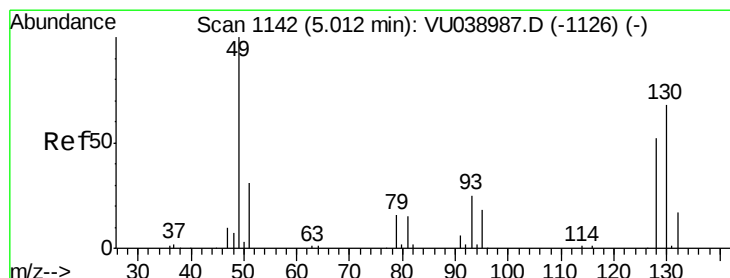
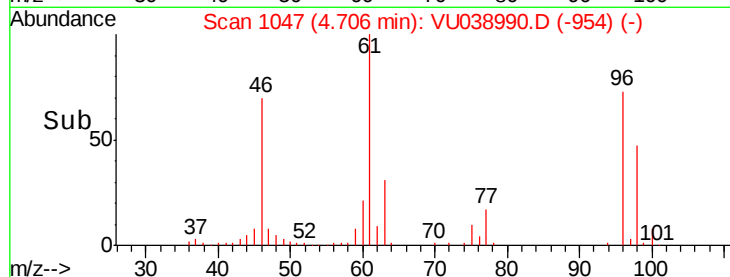
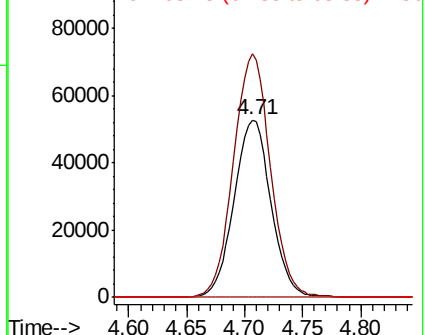


Abundance

Ion 96.00 (95.70 to 96.70): VU038990.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU038990.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU038990.D (-954) (-)



#23

Bromochloromethane

Concen: 4.842 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU038990.D

Acq: 19 Jun 2020 17:53

Tgt Ion: 128 Resp: 53354

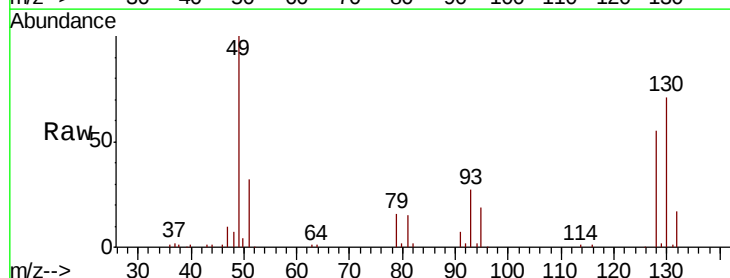
Ion Ratio Lower Upper

128 100

49 180.9 134.5 249.9

130 127.8 91.6 170.2

51 57.2 47.4 71.0



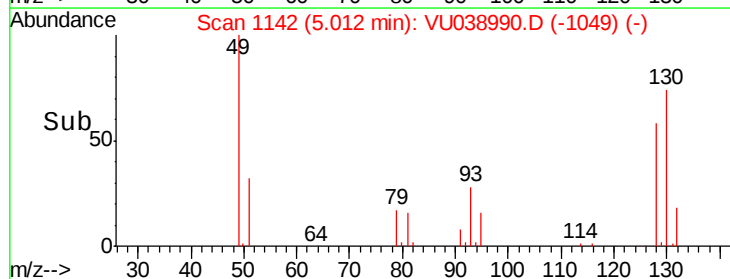
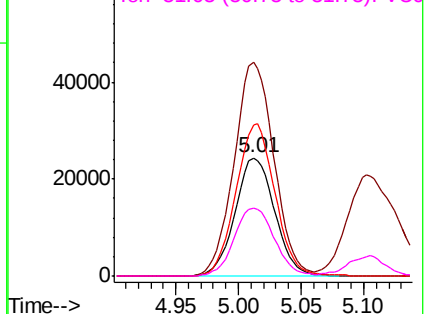
Abundance

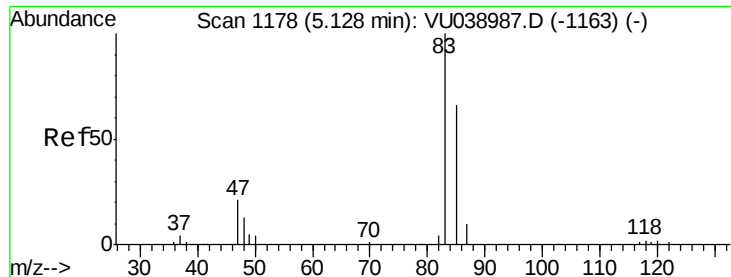
Ion 127.90 (127.60 to 128.60): VU038990.D (-1049) (-)

Ion 49.10 (48.80 to 49.80): VU038990.D (-1049) (-)

Ion 129.95 (129.65 to 130.65): VU038990.D (-1049) (-)

Ion 51.05 (50.75 to 51.75): VU038990.D (-1049) (-)

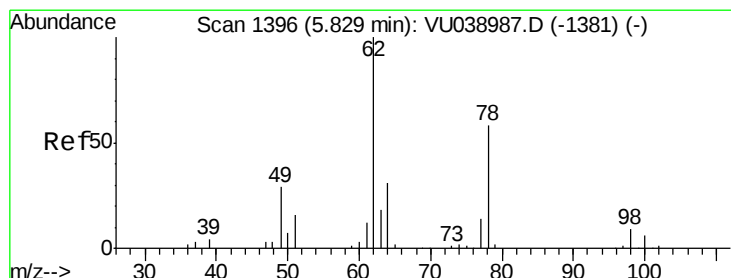
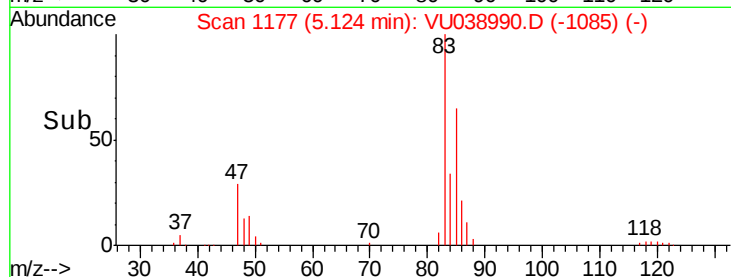
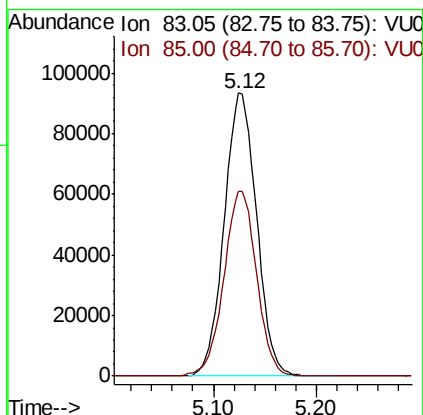
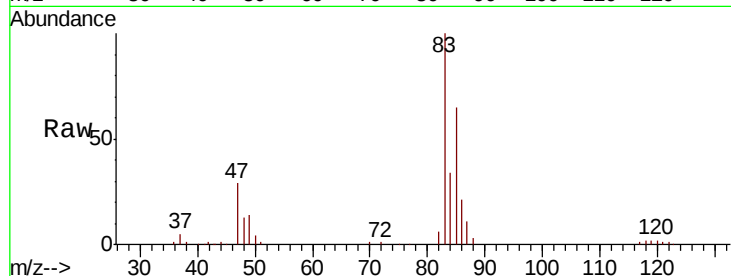




#25
Chloroform
Concen: 4.712 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU038990.D
Acq: 19 Jun 2020 17:53

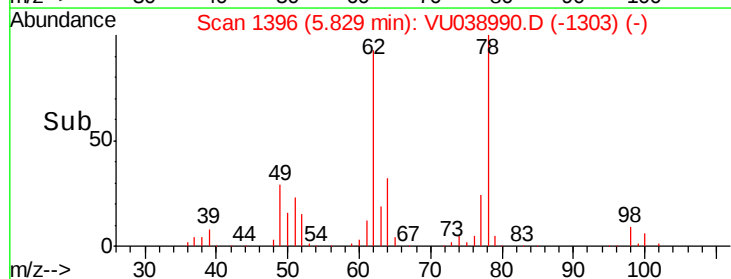
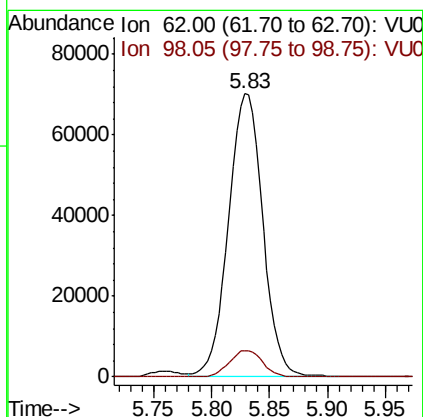
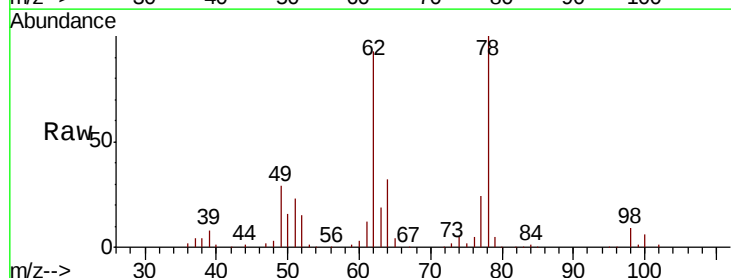
Instrument :
MSVOA_U
ClientSampled :
BFB17

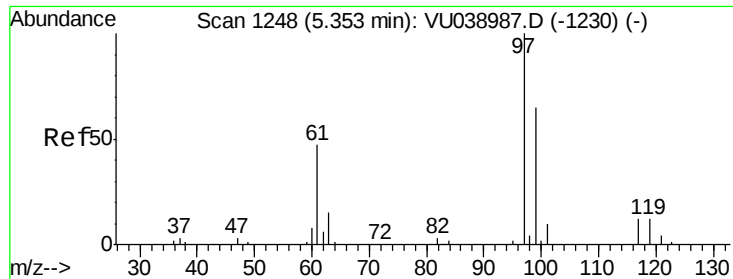
Tot Ion: 83 Resp: 204324
Ion Ratio Lower Upper
83 100
85 65.3 47.0 87.2



#27
1,2-Dichloroethane
Concen: 4.581 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU038990.D
Acq: 19 Jun 2020 17:53

Tgt Ion: 62 Resp: 143235
Ion Ratio Lower Upper
62 100
98 9.3 7.2 10.8

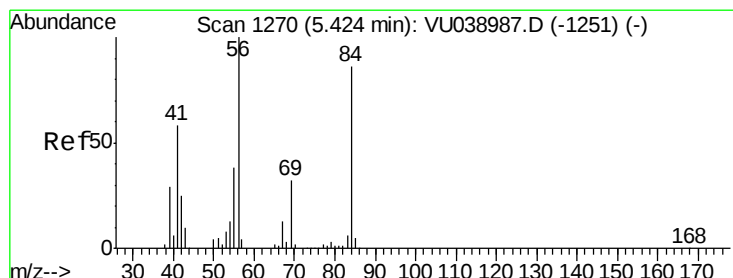
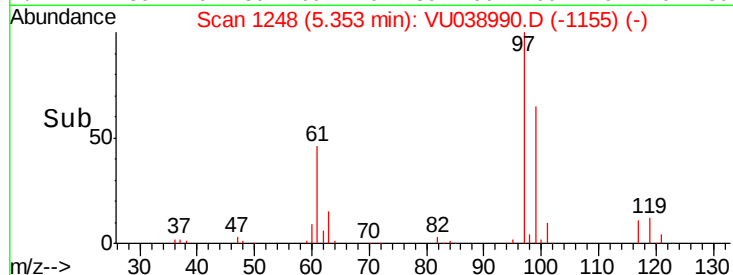
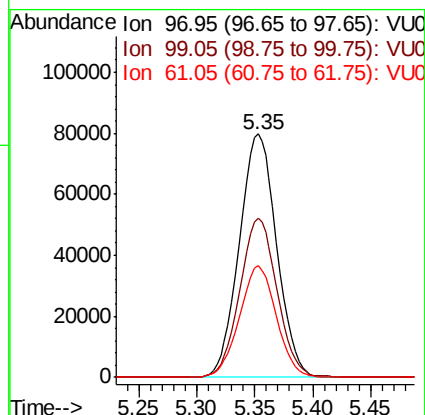
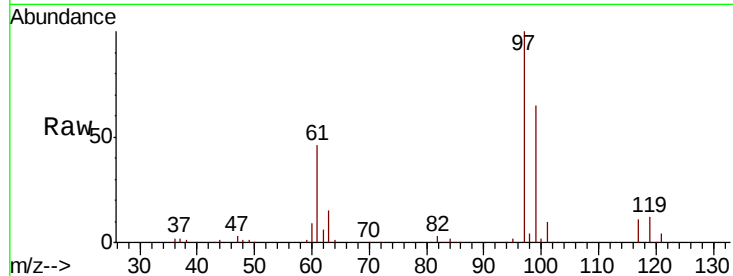




#29
 1,1,1-Trichloroethane
 Concen: 4.799 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU038990.D
 Acq: 19 Jun 2020 17:53

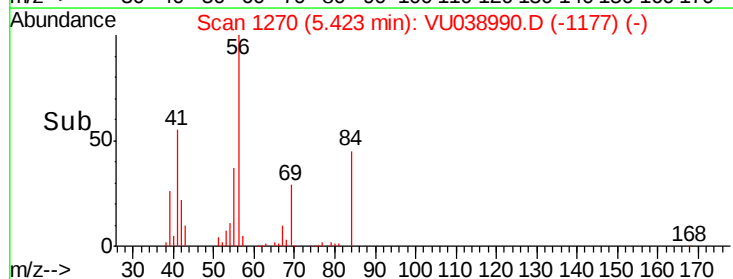
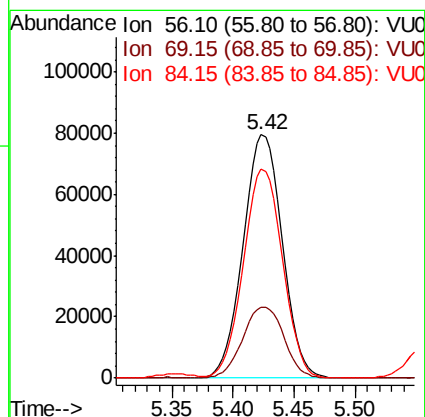
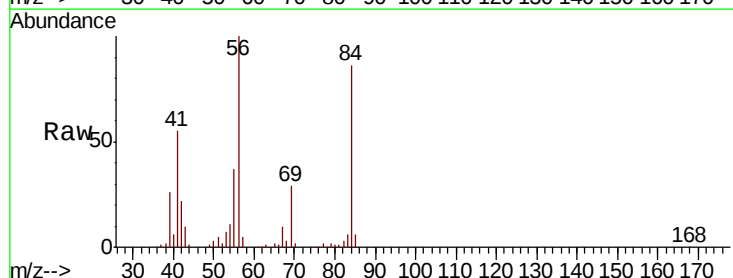
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB17

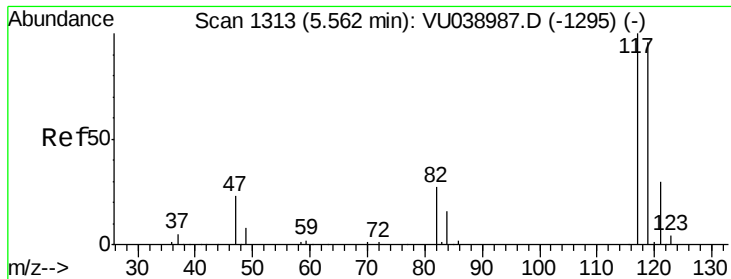
Tot Ion: 97 Resp: 178338
 Ion Ratio Lower Upper
 97 100
 99 65.2 52.2 78.4
 61 45.6 36.9 55.3



#30
 Cyclohexane
 Concen: 4.803 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VU038990.D
 Acq: 19 Jun 2020 17:53

Tgt Ion: 56 Resp: 176431
 Ion Ratio Lower Upper
 56 100
 69 30.7 24.6 37.0
 84 86.1 66.8 100.2





#31

Carbon tetrachloride

Concen: 4.766 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. -0.00 min

Lab File: VU038990.D

Acq: 19 Jun 2020 17:53

Instrument :

MSVOA_U

ClientSampleId :

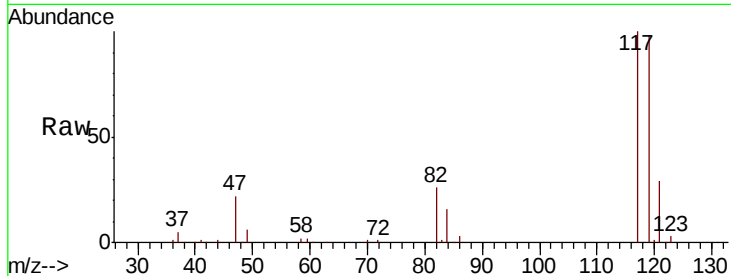
BFB17

Tot Ion:117 Resp: 148902

Ion Ratio Lower Upper

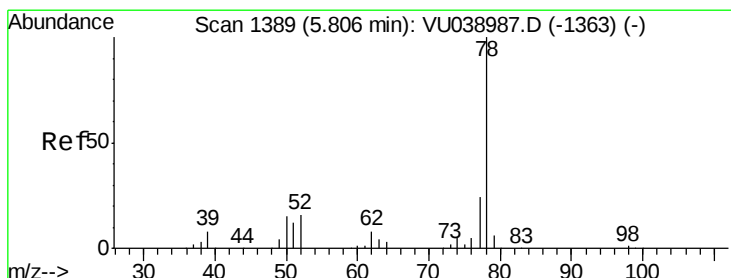
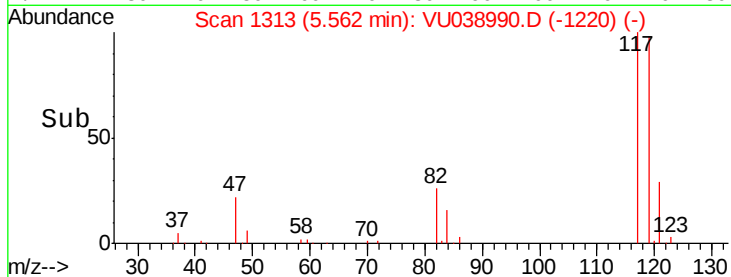
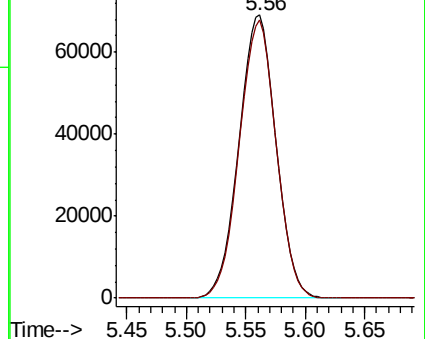
117 100

119 97.5 76.6 114.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.821 ug/L

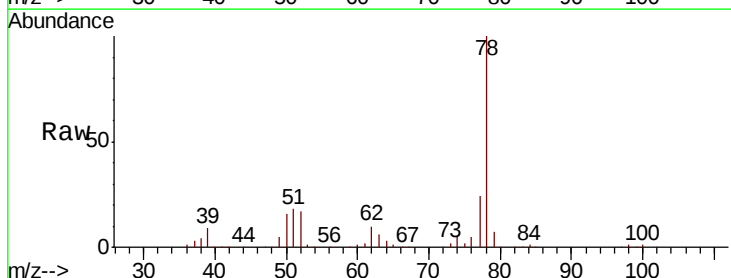
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

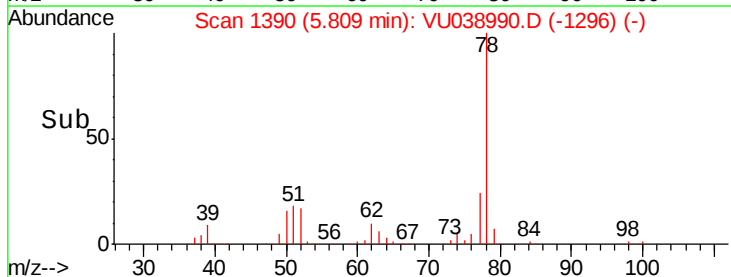
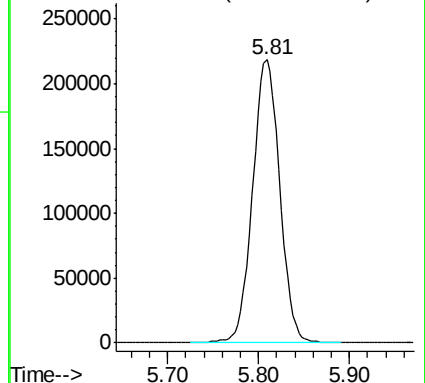
Lab File: VU038990.D

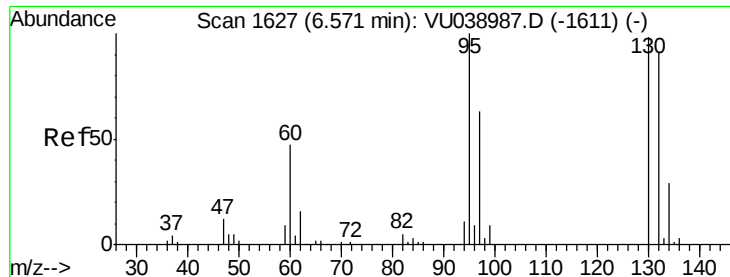
Acq: 19 Jun 2020 17:53

Tgt Ion: 78 Resp: 452717



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.795 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU038990.D

Acq: 19 Jun 2020 17:53

Instrument :

MSVOA_U

ClientSampleId :

BFB17

Tot Ion: 95 Resp: 112522

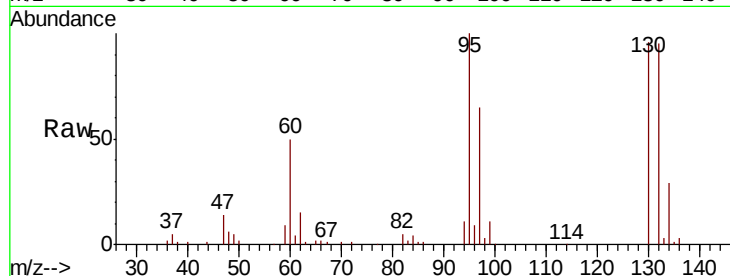
Ion Ratio Lower Upper

95 100

97 64.9 44.0 81.6

132 94.9 63.6 118.0

130 95.5 68.3 126.8

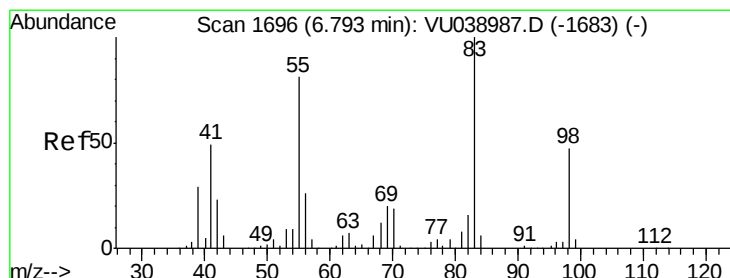
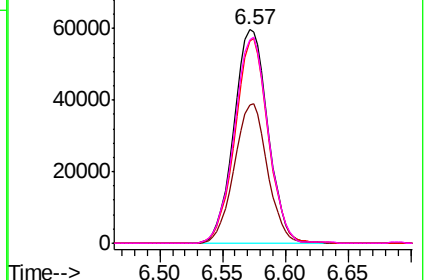
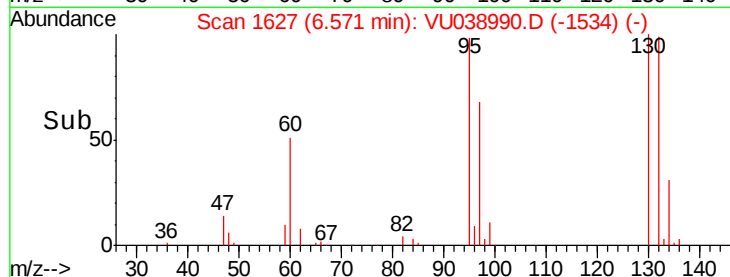


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.843 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. -0.00 min

Lab File: VU038990.D

Acq: 19 Jun 2020 17:53

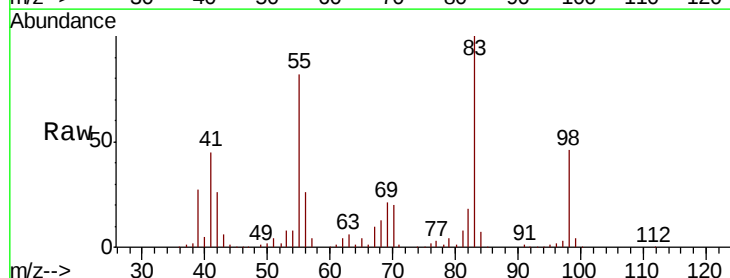
Tgt Ion: 83 Resp: 175224

Ion Ratio Lower Upper

83 100

55 80.1 64.2 96.2

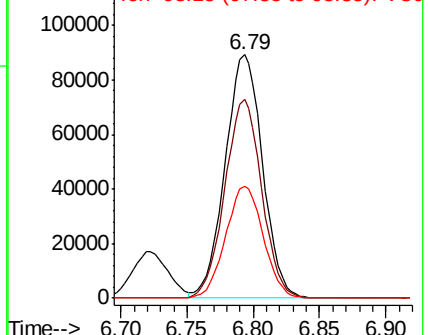
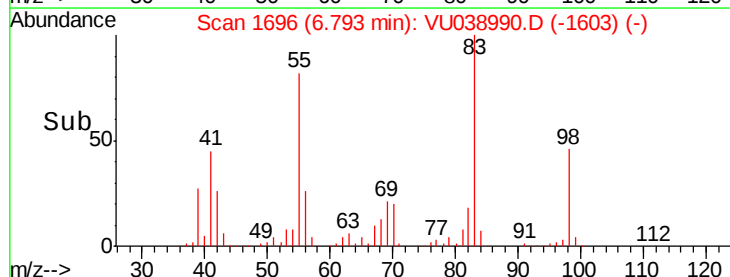
98 46.1 37.3 55.9

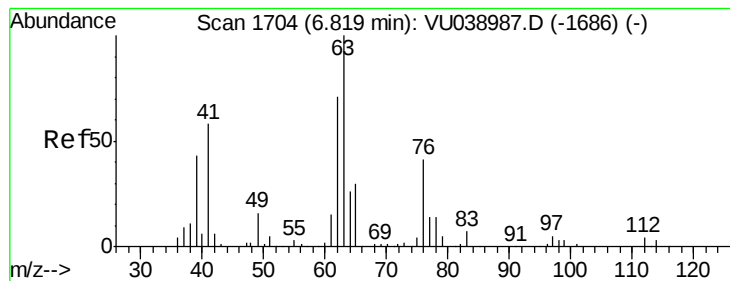


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 4.694 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU038990.D

Acq: 19 Jun 2020 17:53

Instrument :

MSVOA_U

ClientSampleId :

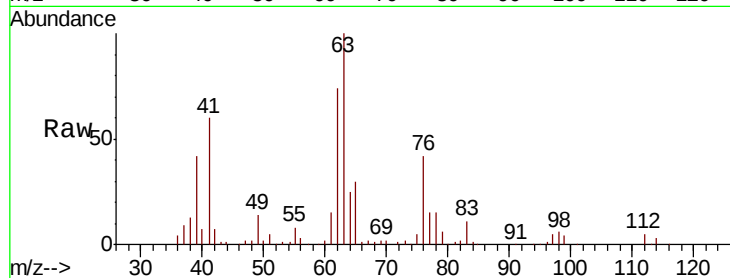
BFB17

Tot Ion: 63 Resp: 118873

Ion Ratio Lower Upper

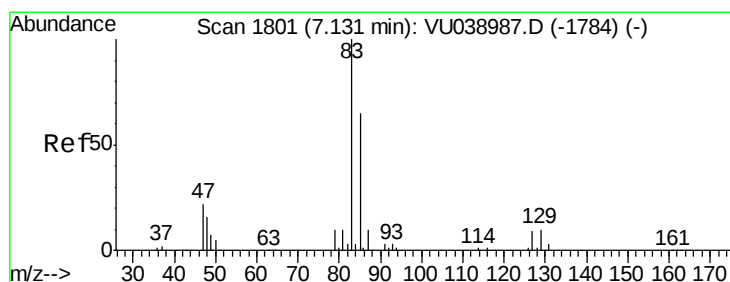
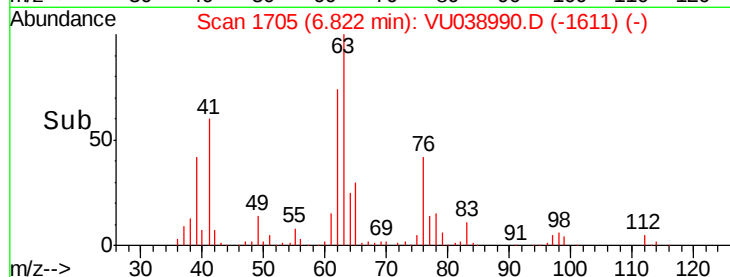
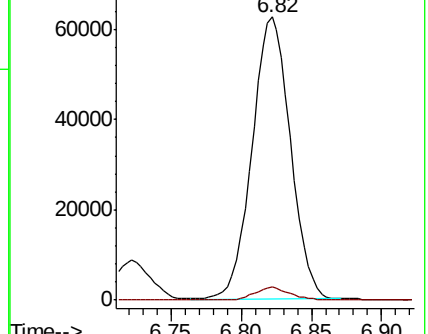
63 100

112 4.2 3.6 5.4



Abundance Ion 63.10 (62.80 to 63.80): VU038987.D (-1686) (-)

Ion 112.10 (111.80 to 112.80): VU038987.D (-1686) (-)



#38

Bromodichloromethane

Concen: 4.494 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VU038990.D

Acq: 19 Jun 2020 17:53

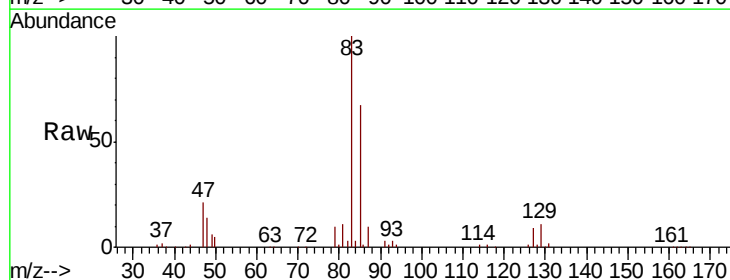
Tgt Ion: 83 Resp: 147998

Ion Ratio Lower Upper

83 100

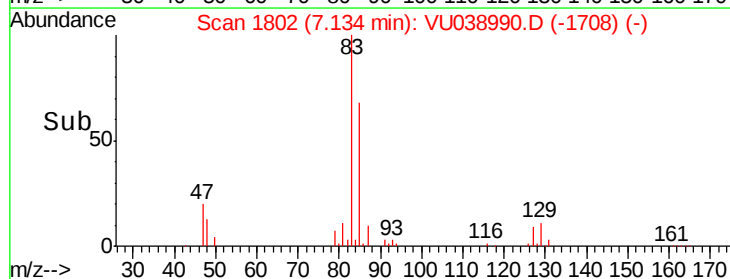
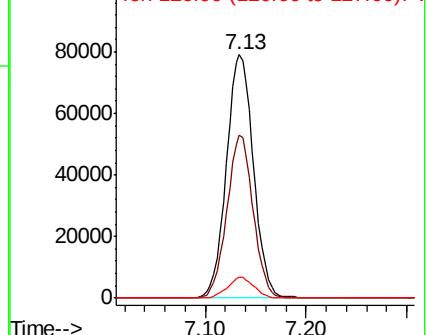
85 67.2 45.5 84.5

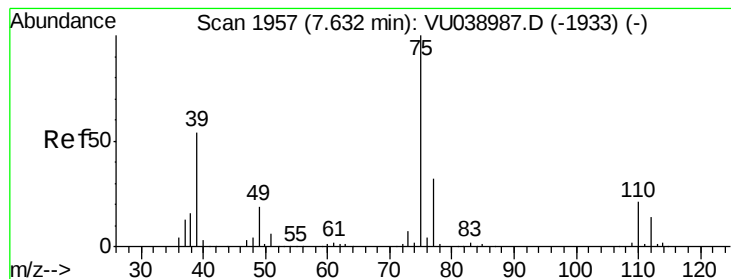
127 8.6 6.8 10.2



Abundance Ion 82.95 (82.65 to 83.65): VU038987.D (-1784) (-)

Ion 85.00 (84.70 to 85.70): VU038987.D (-1784) (-)



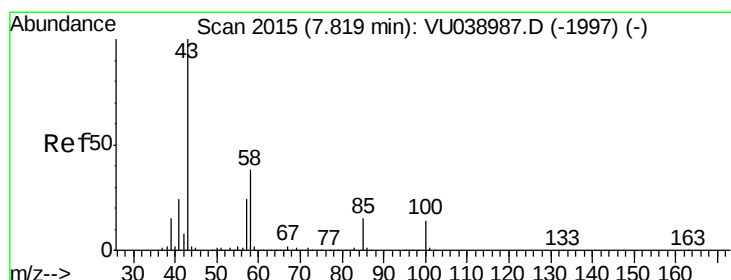
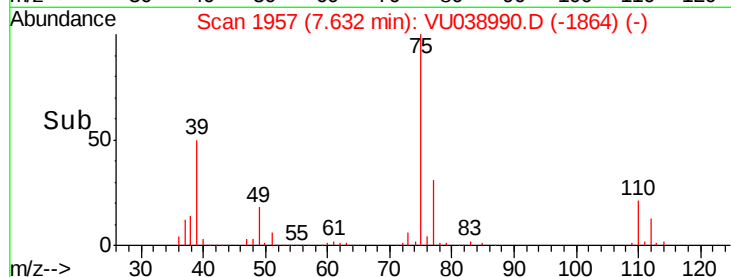
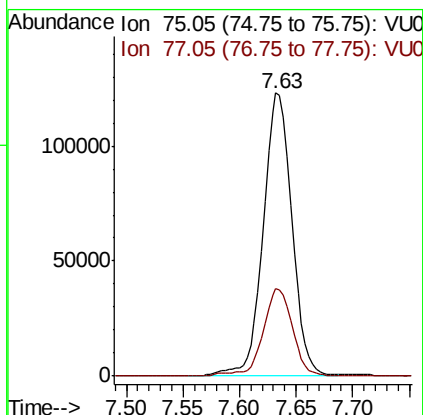
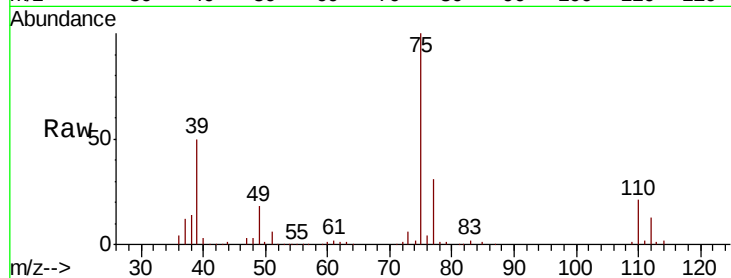


#39

cis-1,3-Dichloropropene
Concen: 5.437 ug/L
RT: 7.63 min Scan# 1957
Delta R.T. -0.00 min
Lab File: VU038990.D
Acq: 19 Jun 2020 17:53

Instrument :
MSVOA_U
ClientSampled :
BFB17

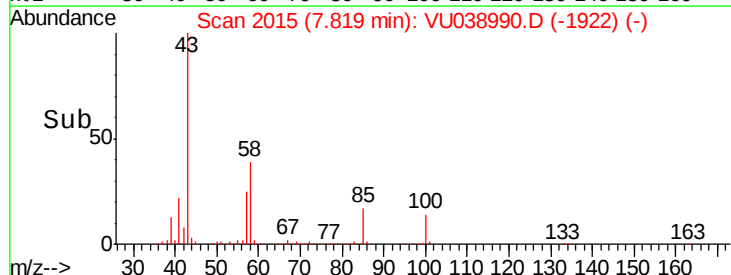
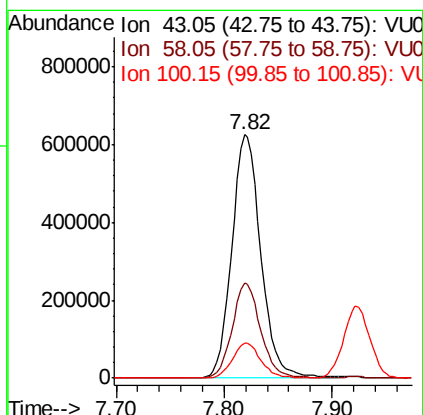
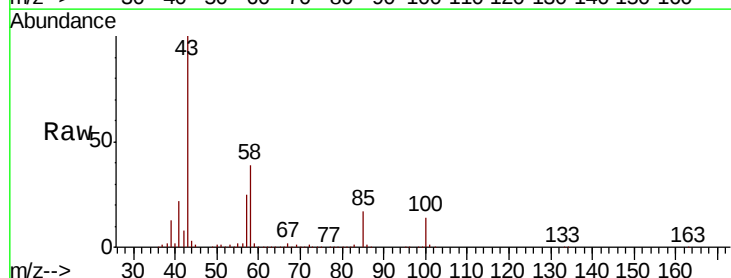
Tot Ion: 75 Resp: 217591
Ion Ratio Lower Upper
75 100
77 30.8 22.3 41.3

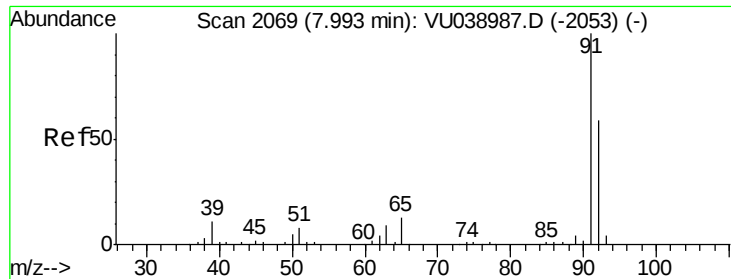


#40

4-Methyl-2-pentanone
Concen: 54.596 ug/L
RT: 7.82 min Scan# 2015
Delta R.T. -0.00 min
Lab File: VU038990.D
Acq: 19 Jun 2020 17:53

Tgt Ion: 43 Resp: 1172149
Ion Ratio Lower Upper
43 100
58 38.2 29.5 44.3
100 14.2 11.0 16.4





#42

Toluene

Concen: 5.356 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038990.D

Acq: 19 Jun 2020 17:53

Instrument :

MSVOA_U

ClientSampleId :

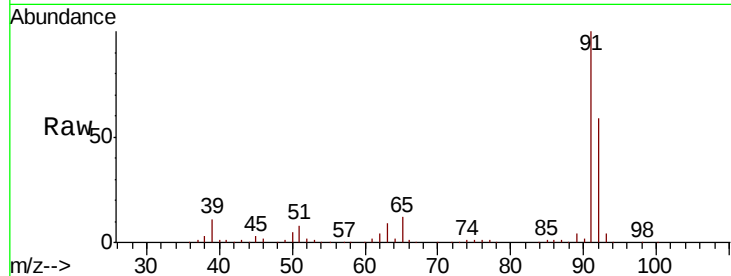
BFB17

Tot Ion: 91 Resp: 561990

Ion Ratio Lower Upper

91 100

92 59.2 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VU038987.D (-2053) (-)

Ion 92.15 (91.85 to 92.85): VU038987.D (-2053) (-)

7.99

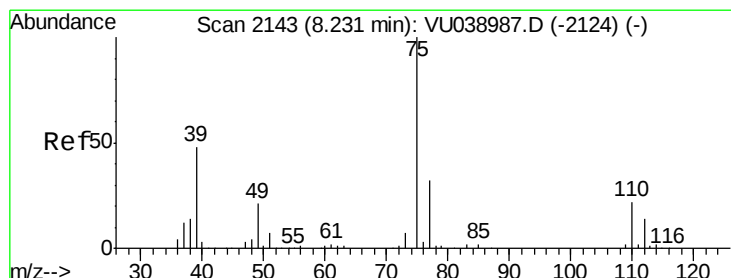
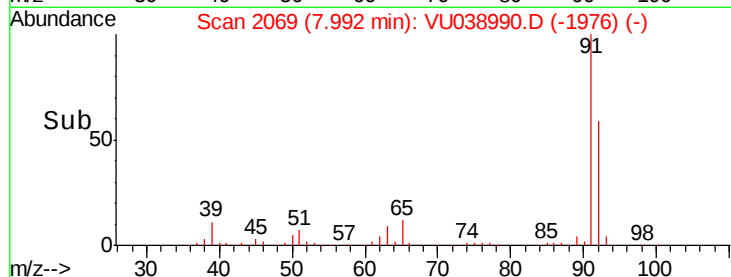
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.523 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU038990.D

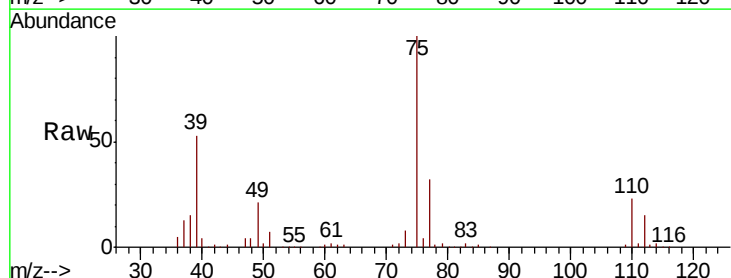
Acq: 19 Jun 2020 17:53

Tgt Ion: 75 Resp: 193570

Ion Ratio Lower Upper

75 100

77 31.9 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VU038987.D (-2124) (-)

Ion 77.05 (76.75 to 77.75): VU038987.D (-2124) (-)

8.23

120000

100000

80000

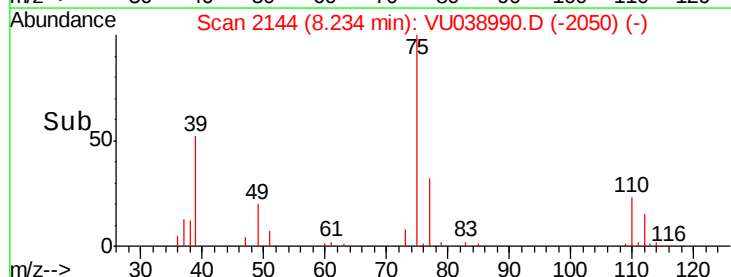
60000

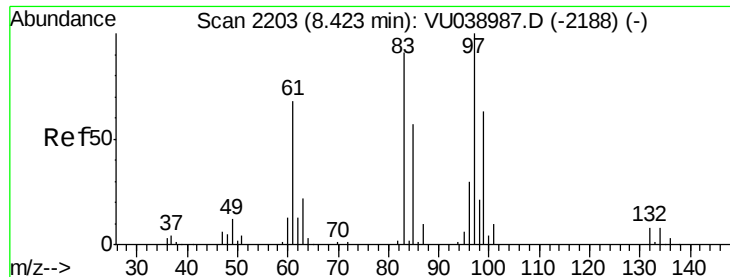
40000

20000

0

Time-->

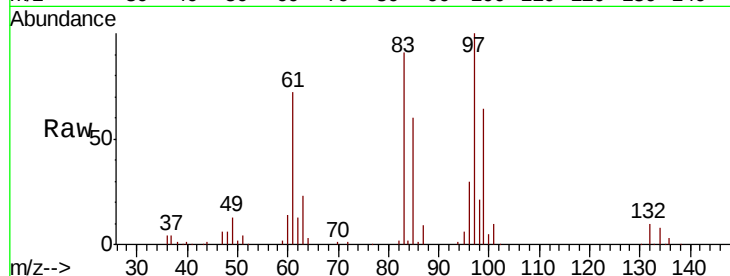




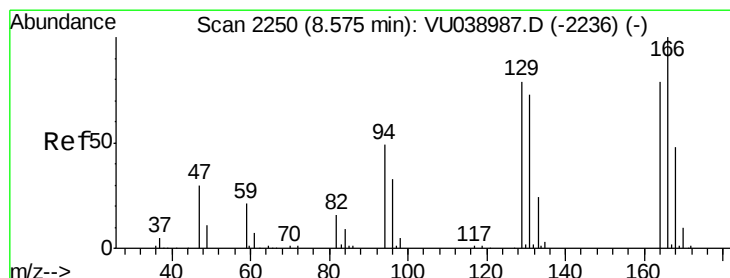
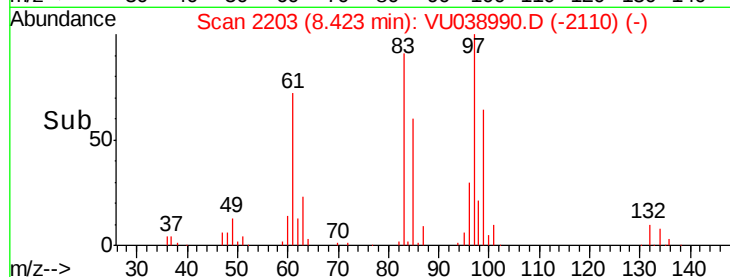
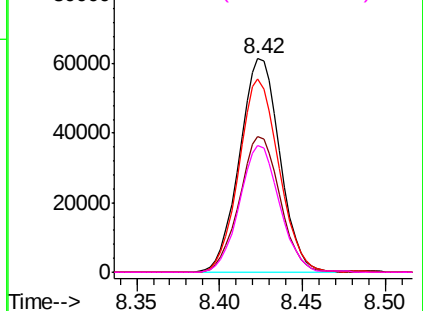
#45
1,1,2-Trichloroethane
Concen: 5.206 ug/L
RT: 8.42 min Scan# 2203
Delta R.T. -0.00 min
Lab File: VU038990.D
Acq: 19 Jun 2020 17:53

Instrument :
MSVOA_U
ClientSampleId :
BFB17

Tot Ion:	97	Resp:	104129
Ion	Ratio	Lower	Upper
97	100		
99	63.8	44.0	81.8
83	90.8	63.6	118.0
85	59.5	39.7	73.7

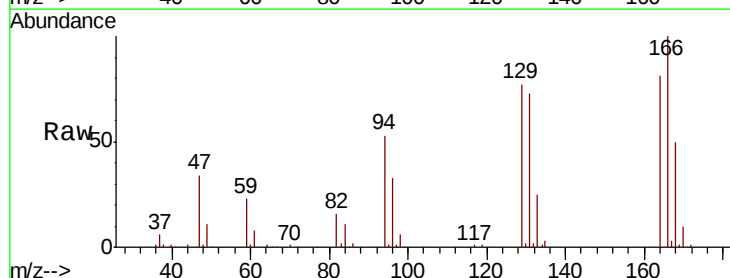


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0

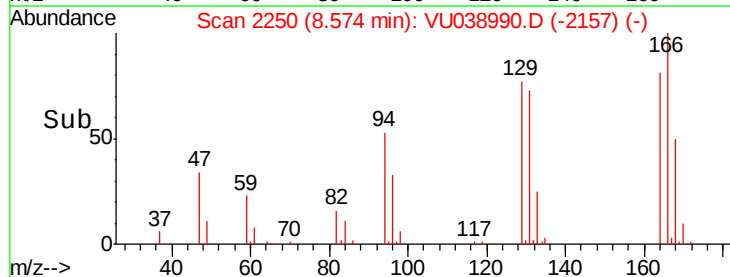
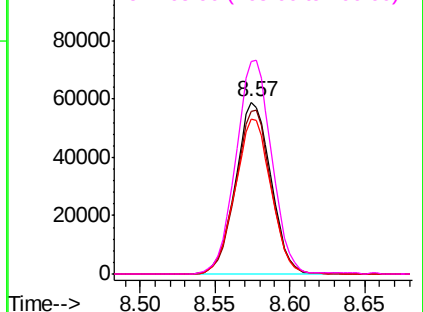


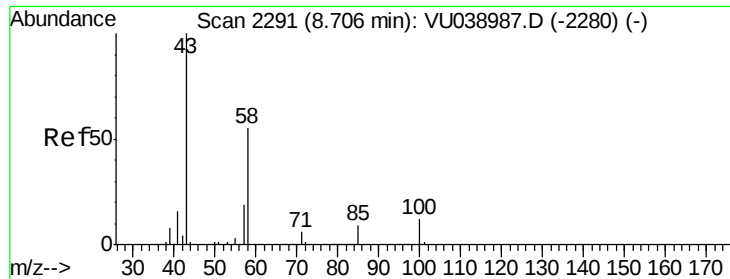
#47
Tetrachloroethene
Concen: 5.437 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.00 min
Lab File: VU038990.D
Acq: 19 Jun 2020 17:53

Tgt Ion:	164	Resp:	97056
Ion	Ratio	Lower	Upper
164	100		
129	94.8	69.7	129.5
131	90.1	65.0	120.8
166	123.7	88.5	164.4



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

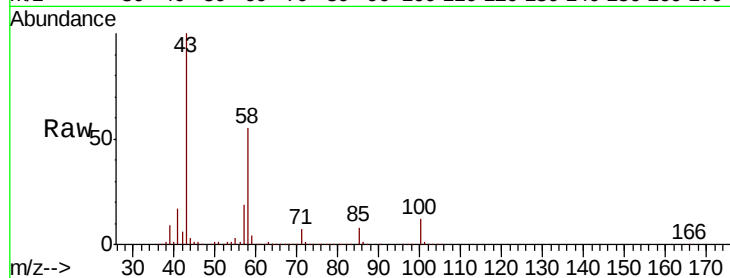




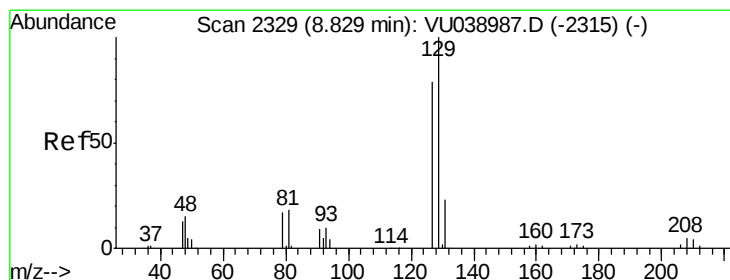
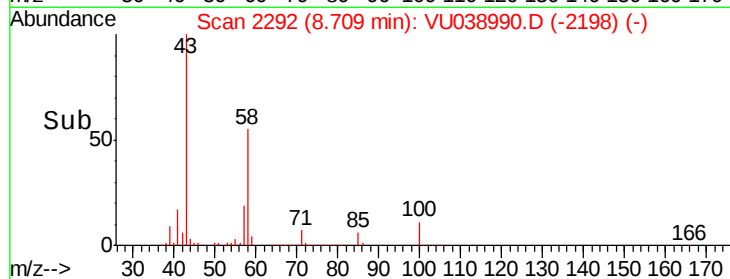
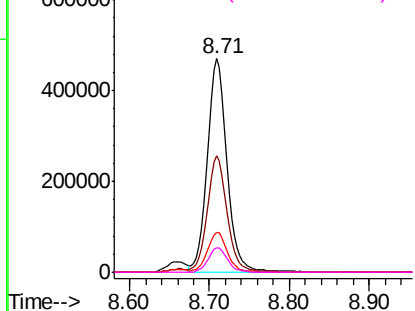
#48
2-Hexanone
Concen: 56.113 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU038990.D
Acq: 19 Jun 2020 17:53

Instrument :
MSVOA_U
ClientSampleId :
BFB17

Tot Ion: 43 Resp: 807086
Ion Ratio Lower Upper
43 100
58 54.5 43.2 64.8
57 18.9 15.2 22.8
100 11.3 9.5 14.3

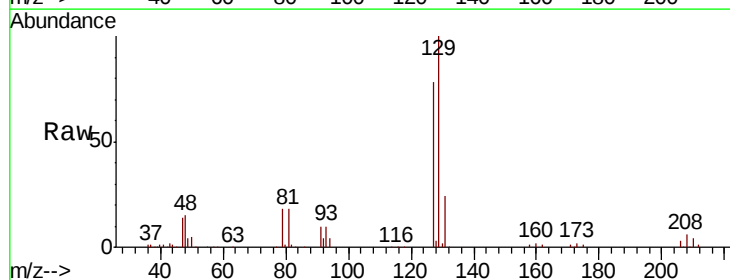


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

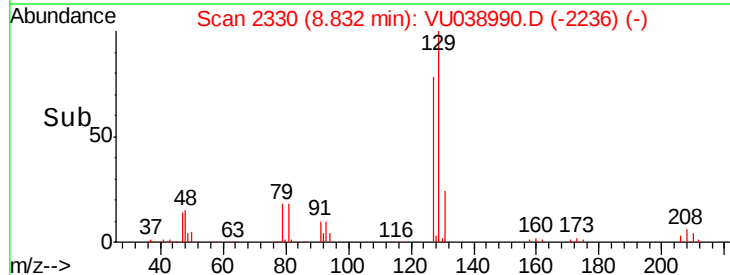
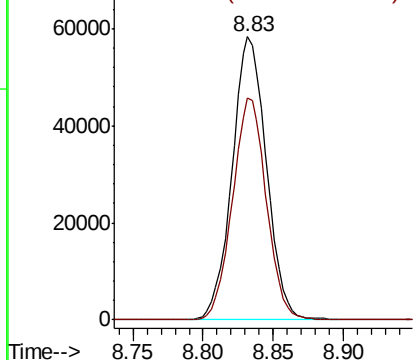


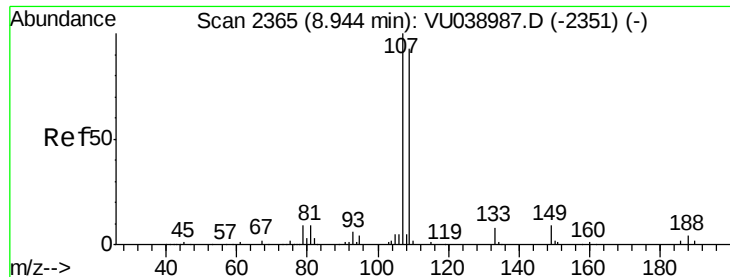
#49
Dibromochloromethane
Concen: 4.594 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU038990.D
Acq: 19 Jun 2020 17:53

Tgt Ion:129 Resp: 99252
Ion Ratio Lower Upper
129 100
127 78.3 55.1 102.3



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

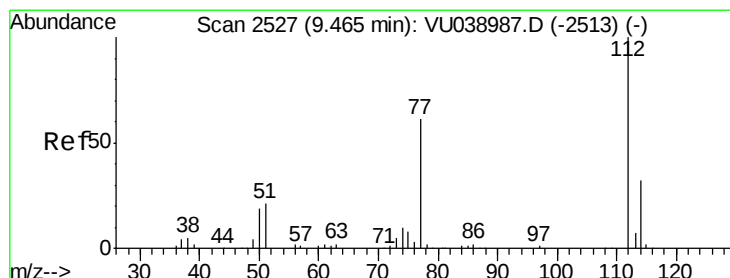
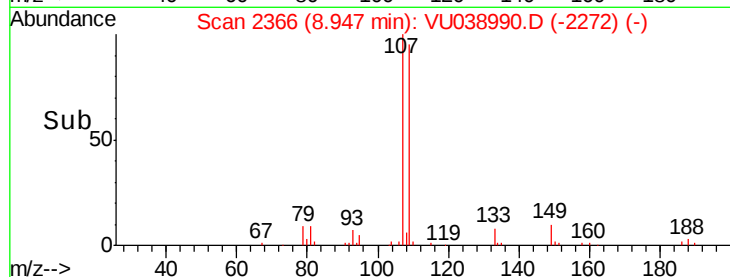
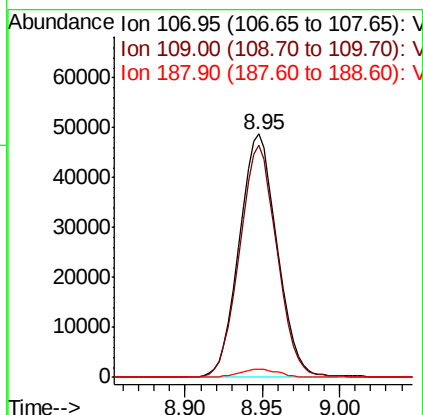
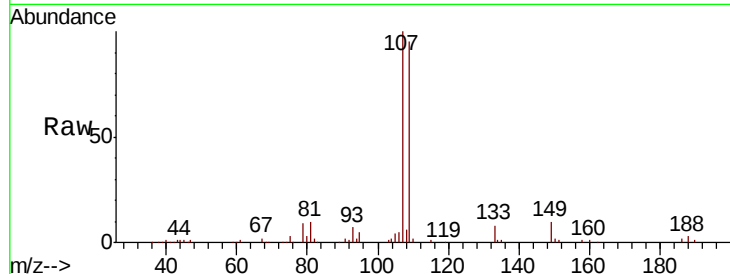




#50
1,2-Dibromoethane
Concen: 4.480 ug/L
RT: 8.95 min Scan# 2366
Delta R.T. 0.00 min
Lab File: VU038990.D
Acq: 19 Jun 2020 17:53

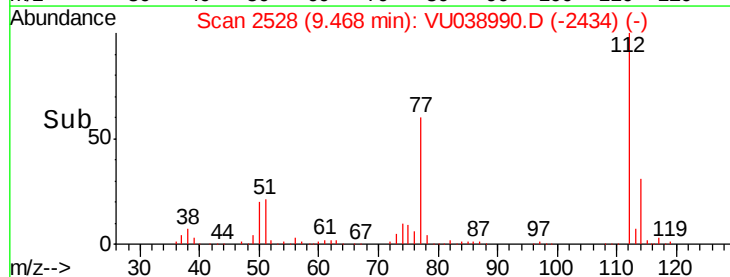
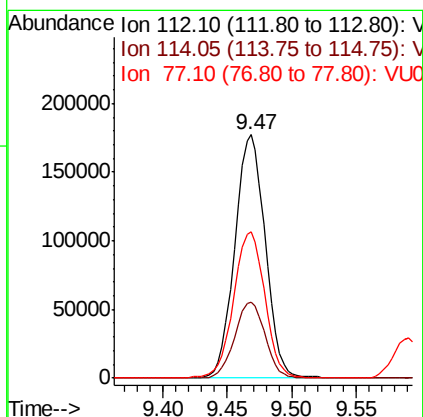
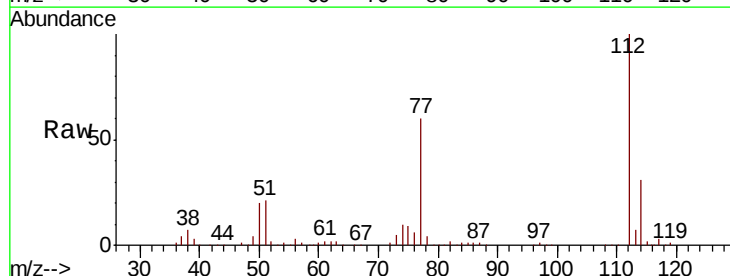
Instrument :
MSVOA_U
ClientSampleId :
BFB17

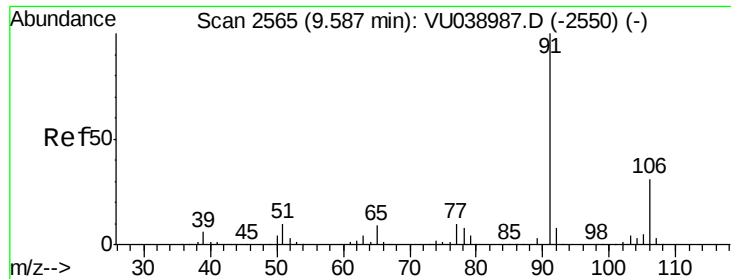
Tot Ion:107 Resp: 83135
Ion Ratio Lower Upper
107 100
109 95.1 65.5 121.6
188 3.5 3.0 4.4



#51
Chlorobenzene
Concen: 4.761 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. 0.00 min
Lab File: VU038990.D
Acq: 19 Jun 2020 17:53

Tgt Ion:112 Resp: 291058
Ion Ratio Lower Upper
112 100
114 31.4 22.0 41.0
77 59.9 49.0 73.4

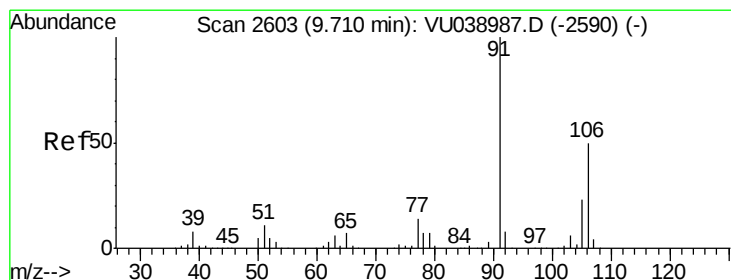
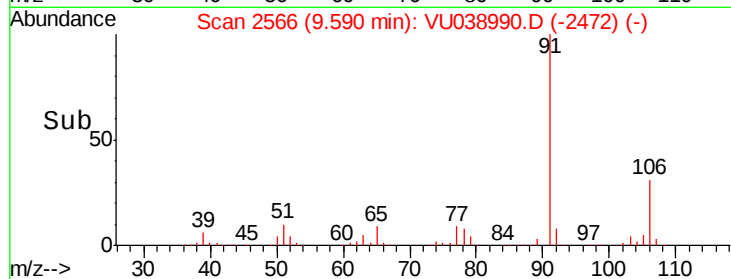
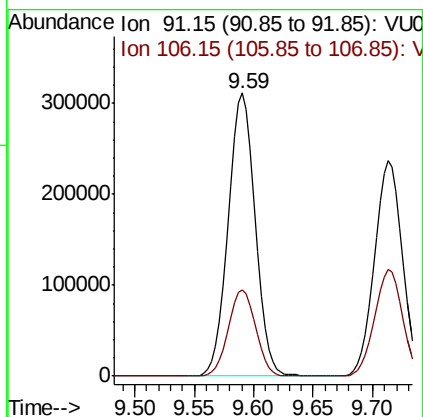
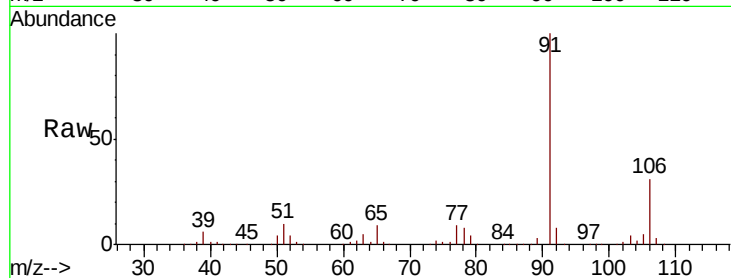




#52
Ethylbenzene
Concen: 4.671 ug/L
RT: 9.59 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VU038990.D
Acq: 19 Jun 2020 17:53

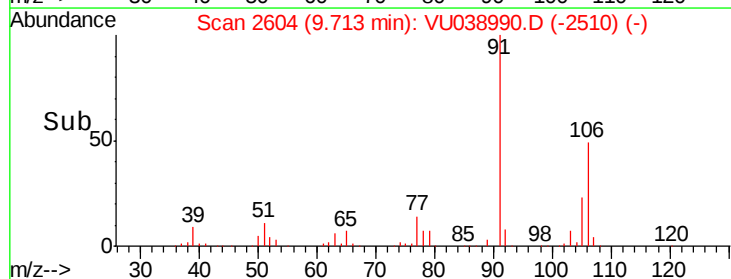
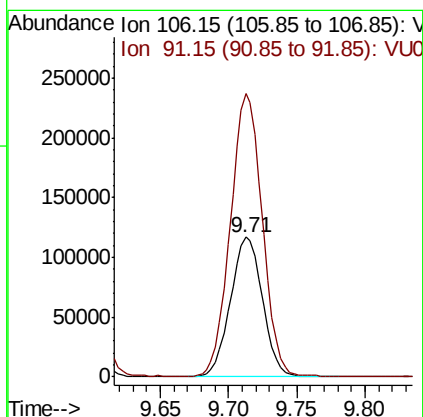
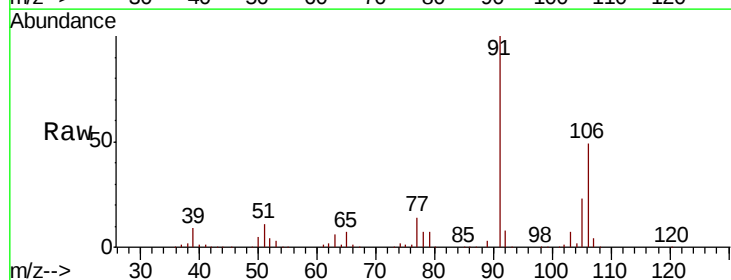
Instrument :
MSVOA_U
ClientSampleId :
BFB17

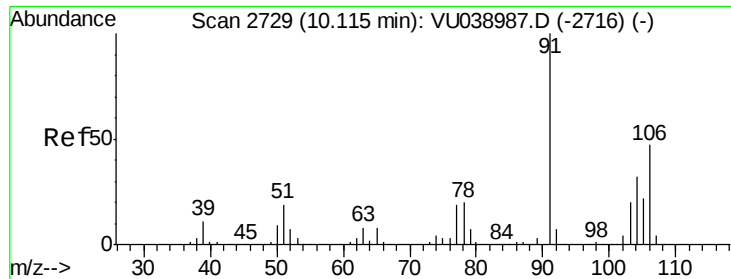
Tot Ion: 91 Resp: 491466
Ion Ratio Lower Upper
91 100
106 30.6 21.4 39.8



#53
m,p-Xylene
Concen: 4.804 ug/L
RT: 9.71 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VU038990.D
Acq: 19 Jun 2020 17:53

Tgt Ion: 106 Resp: 190157
Ion Ratio Lower Upper
106 100
91 202.7 140.8 261.6

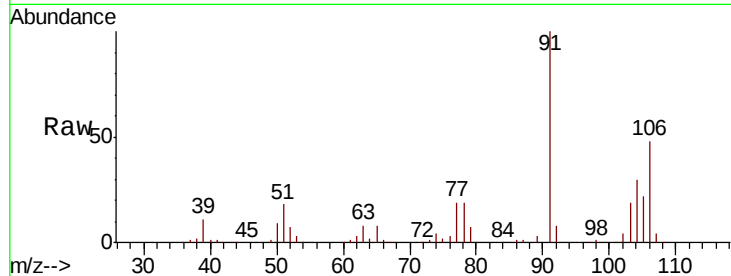




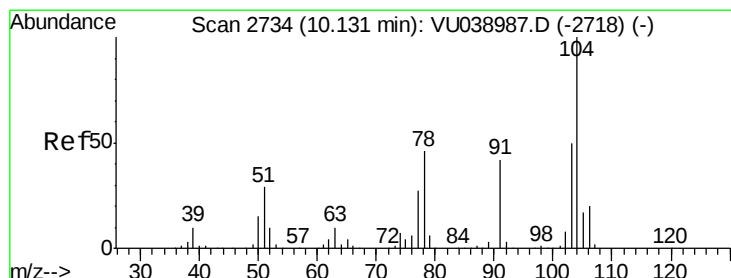
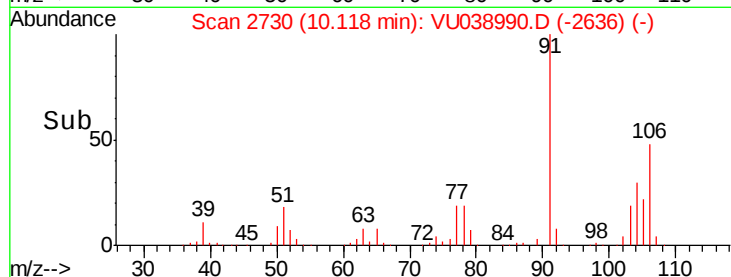
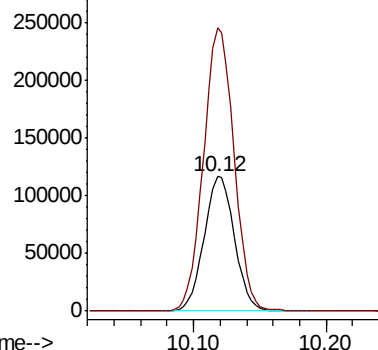
#54
o-Xylene
Concen: 4.854 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU038990.D
Acq: 19 Jun 2020 17:53

Instrument :
MSVOA_U
ClientSampleId :
BFB17

Tot Ion:106 Resp: 186461
Ion Ratio Lower Upper
106 100
91 210.5 148.2 275.2

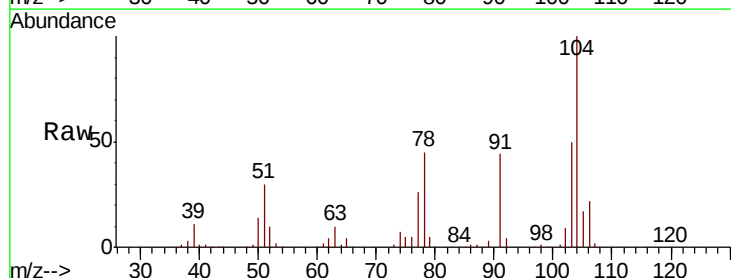


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

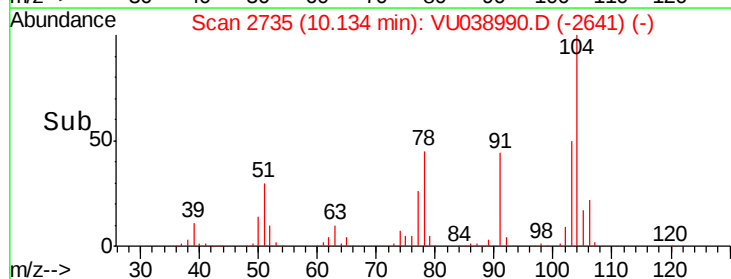
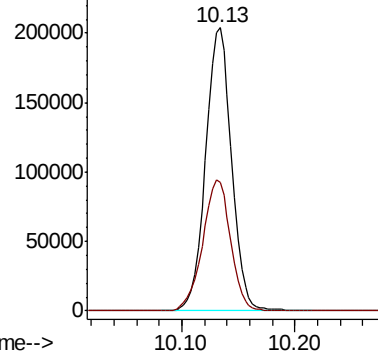


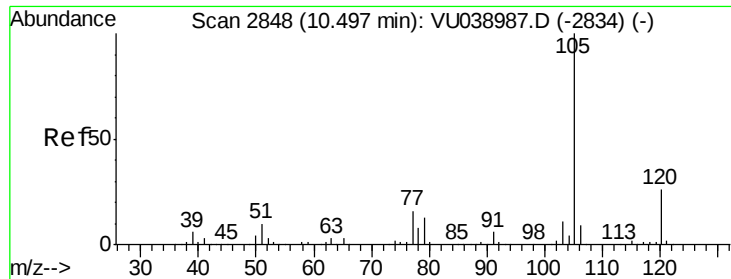
#55
Styrene
Concen: 4.929 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VU038990.D
Acq: 19 Jun 2020 17:53

Tgt Ion:104 Resp: 325019
Ion Ratio Lower Upper
104 100
78 45.3 32.0 59.4



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 4.851 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU038990.D

Acq: 19 Jun 2020 17:53

Instrument :

MSVOA_U

ClientSampleId :

BFB17

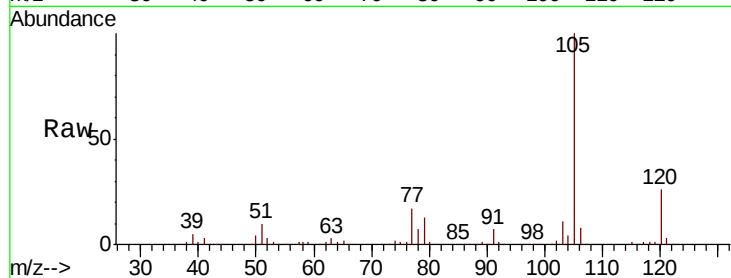
Tot Ion:105 Resp: 482832

Ion Ratio Lower Upper

105 100

120 26.1 20.7 31.1

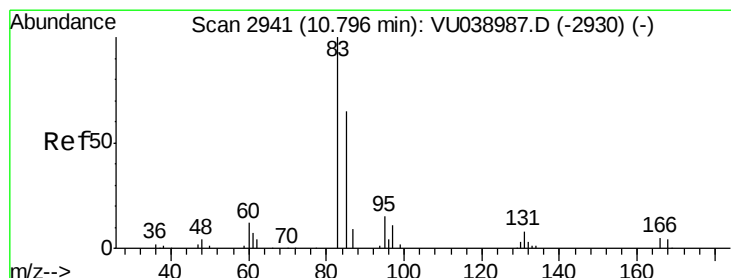
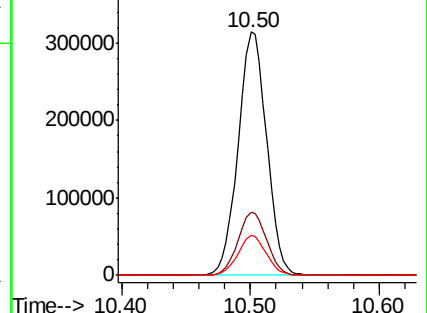
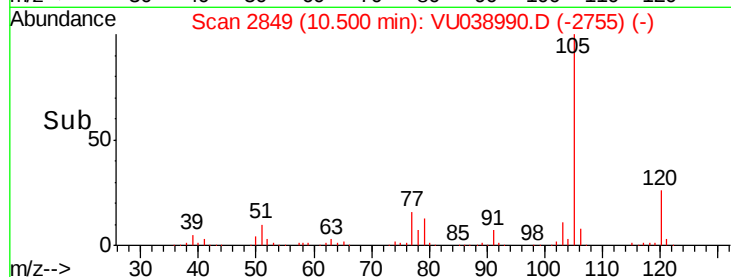
77 16.3 12.9 19.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.769 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU038990.D

Acq: 19 Jun 2020 17:53

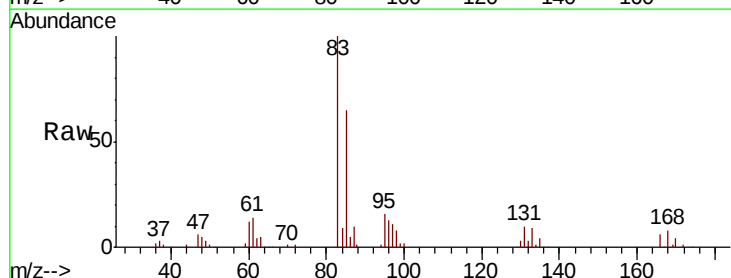
Tgt Ion: 83 Resp: 117098

Ion Ratio Lower Upper

83 100

85 64.9 45.6 84.6

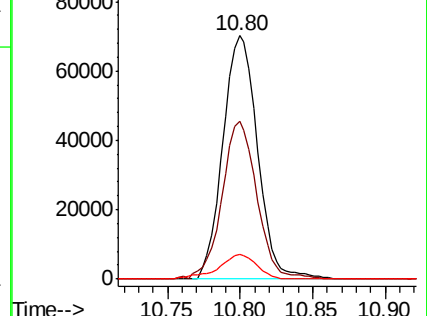
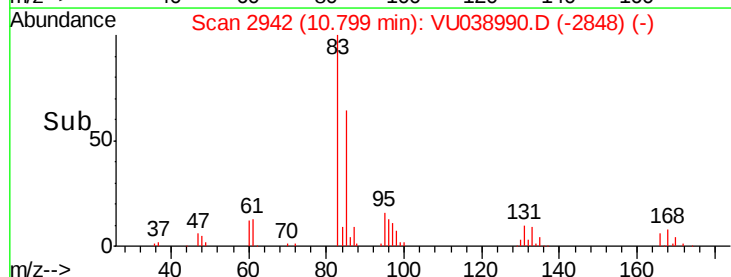
131 10.2 7.0 10.6

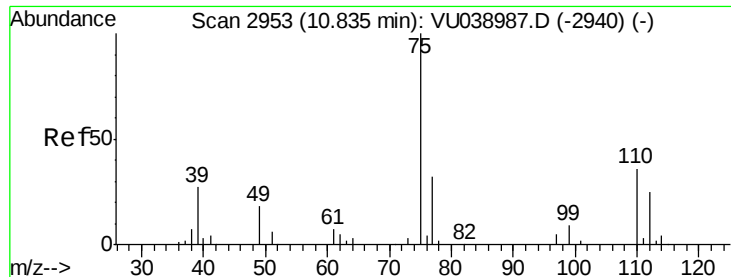


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.839 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.01 min

Lab File: VU038990.D

Acq: 19 Jun 2020 17:53

Instrument :

MSVOA_U

ClientSampleId :

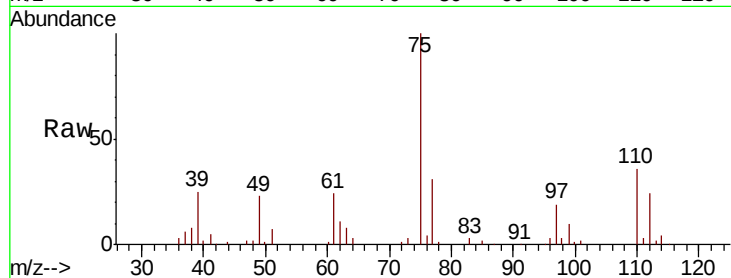
BFB17

Tot Ion: 75 Resp: 88218

Ion Ratio Lower Upper

75 100

77 31.6 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VU038987.D (-2940) (-)

Ion 77.00 (76.70 to 77.70): VU038987.D (-2940) (-)

10.84

60000

50000

40000

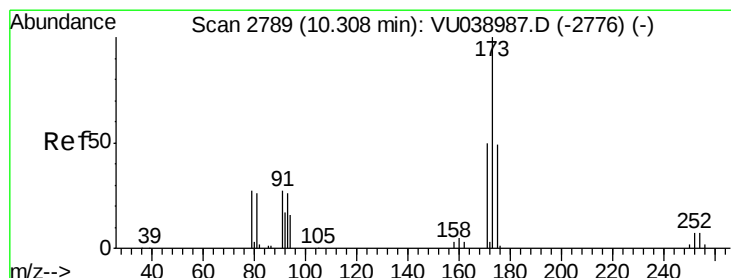
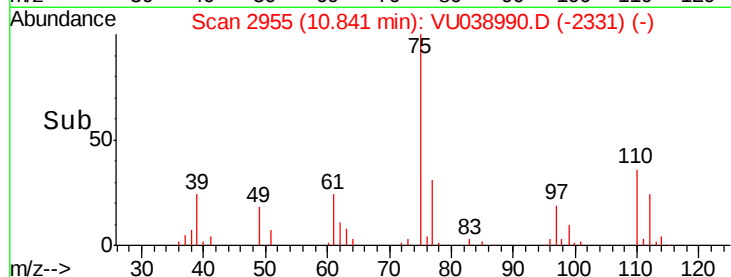
30000

20000

10000

0

Time--> 10.75 10.80 10.85 10.90



#61

Bromoform

Concen: 4.587 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU038990.D

Acq: 19 Jun 2020 17:53

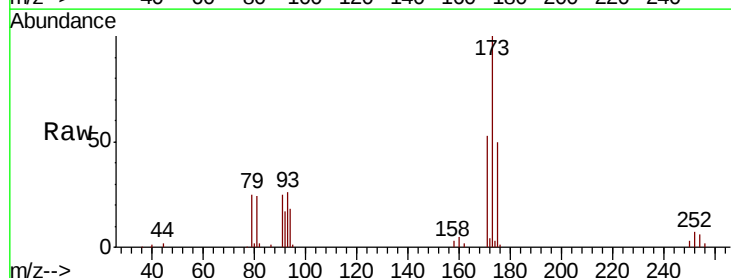
Tgt Ion: 173 Resp: 55834

Ion Ratio Lower Upper

173 100

175 50.6 39.1 58.7

254 6.7 5.6 8.4



Abundance Ion 172.90 (172.60 to 173.60): VU038987.D (-2776) (-)

Ion 174.90 (174.60 to 175.60): VU038987.D (-2776) (-)

Ion 253.75 (253.45 to 254.45): VU038987.D (-2776) (-)

10.31

40000

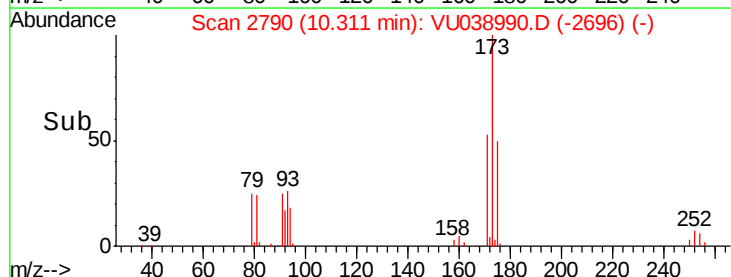
30000

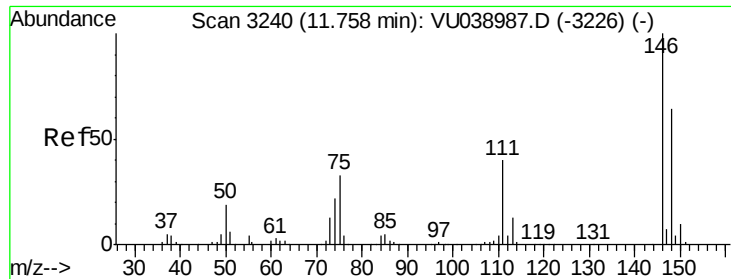
20000

10000

0

Time--> 10.25 10.30 10.35 10.40

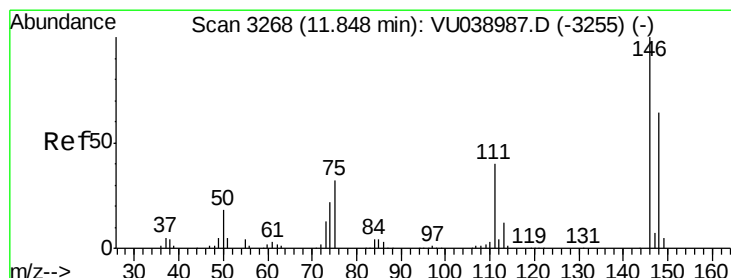
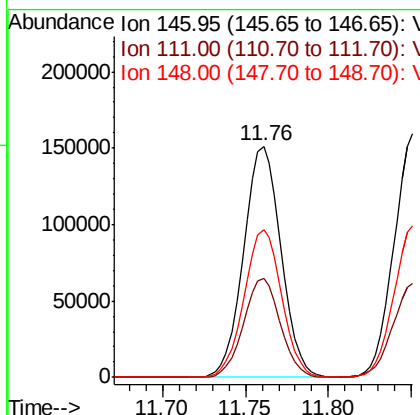
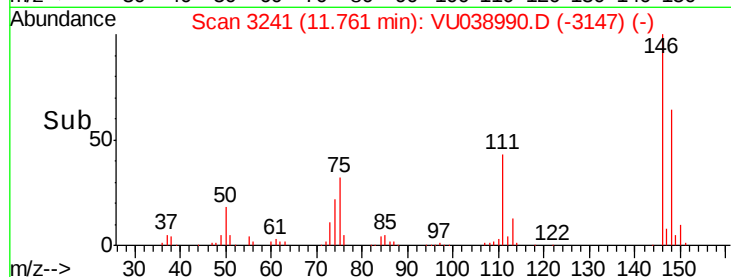
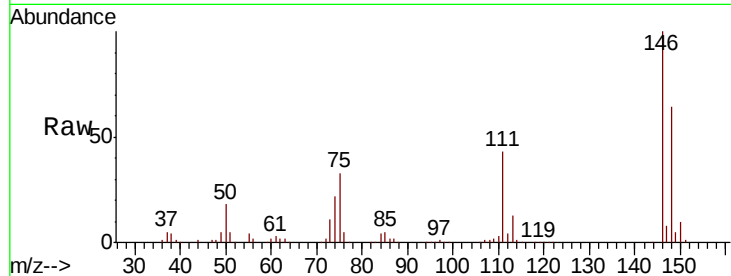




#62
 1,3-Dichlorobenzene
 Concen: 4.883 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. 0.00 min
 Lab File: VU038990.D
 Acq: 19 Jun 2020 17:53

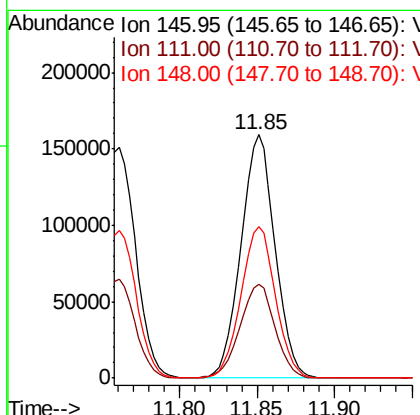
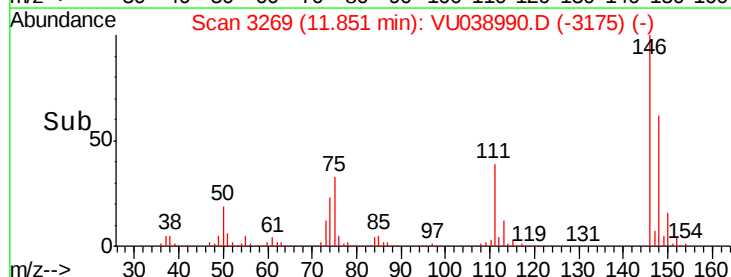
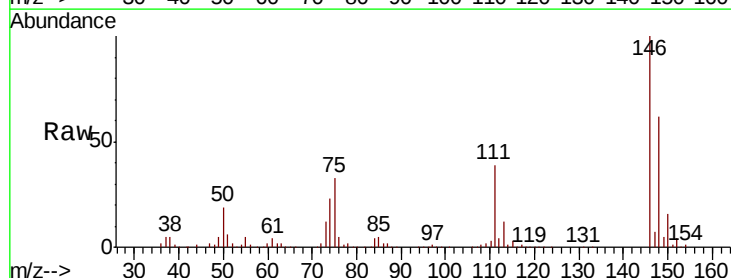
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB17

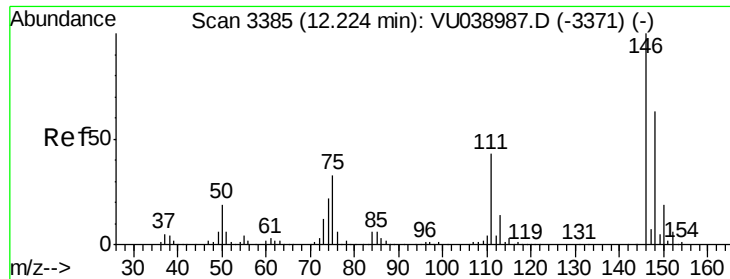
Tot Ion:146 Resp: 237539
 Ion Ratio Lower Upper
 146 100
 111 42.7 27.8 51.6
 148 64.1 45.1 83.7



#63
 1,4-Dichlorobenzene
 Concen: 4.877 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU038990.D
 Acq: 19 Jun 2020 17:53

Tgt Ion:146 Resp: 243812
 Ion Ratio Lower Upper
 146 100
 111 38.7 28.1 52.3
 148 62.4 45.0 83.6





#65

1,2-Dichlorobenzene

Concen: 4.877 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU038990.D

Acq: 19 Jun 2020 17:53

Instrument :

MSVOA_U

ClientSampleId :

BFB17

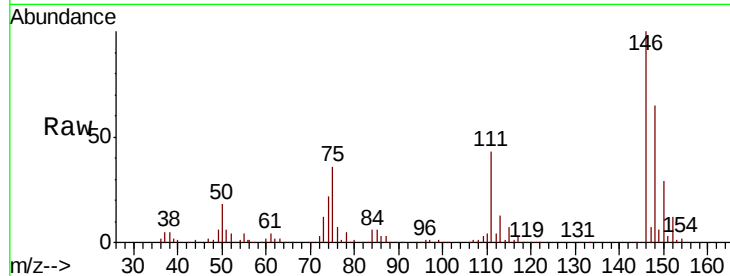
Tot Ion:146 Resp: 227559

Ion Ratio Lower Upper

146 100

111 42.9 34.4 51.6

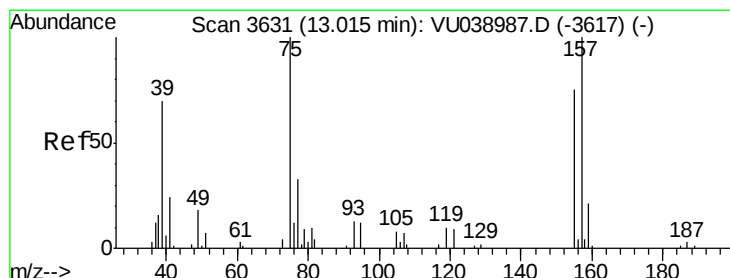
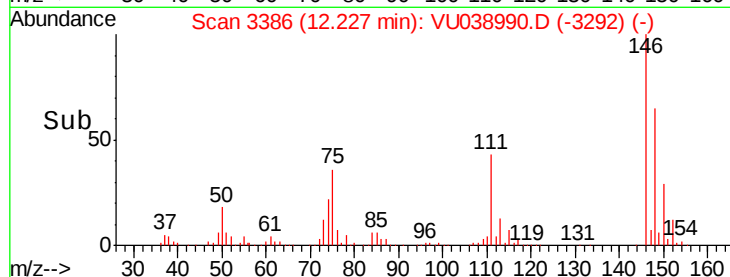
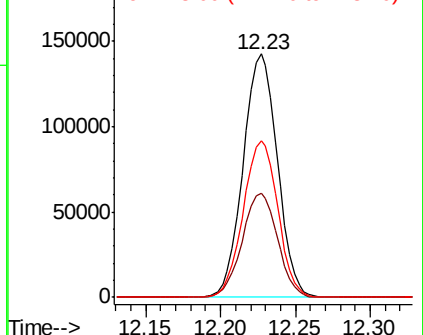
148 64.6 50.6 75.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.956 ug/L

RT: 13.02 min Scan# 3633

Delta R.T. 0.01 min

Lab File: VU038990.D

Acq: 19 Jun 2020 17:53

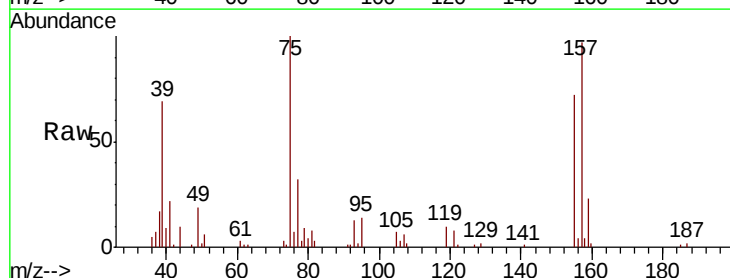
Tgt Ion: 75 Resp: 21589

Ion Ratio Lower Upper

75 100

155 71.9 59.9 89.9

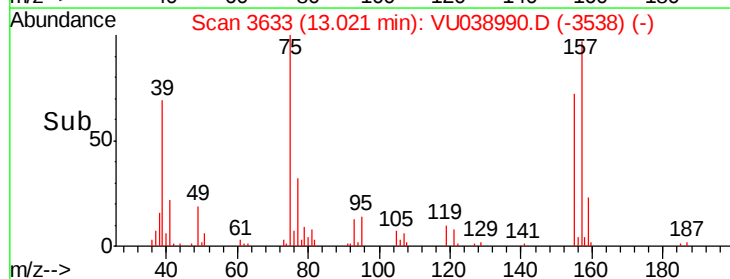
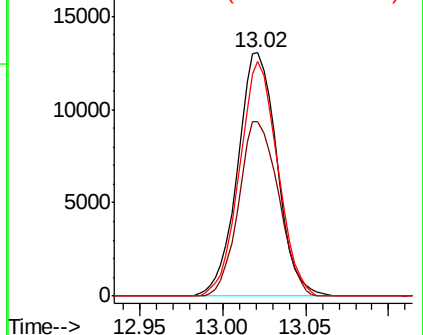
157 96.6 79.9 119.9

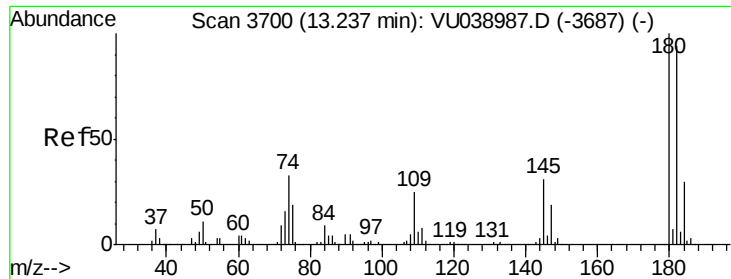


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

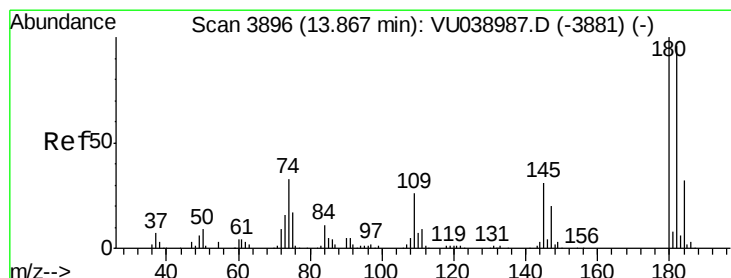
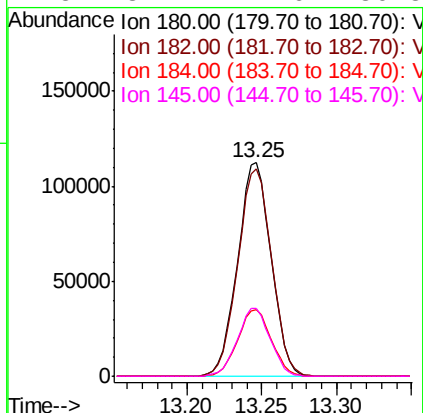
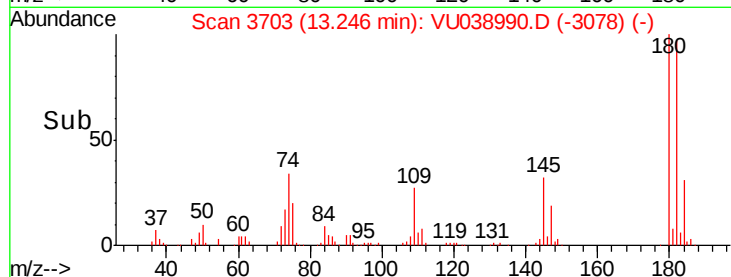
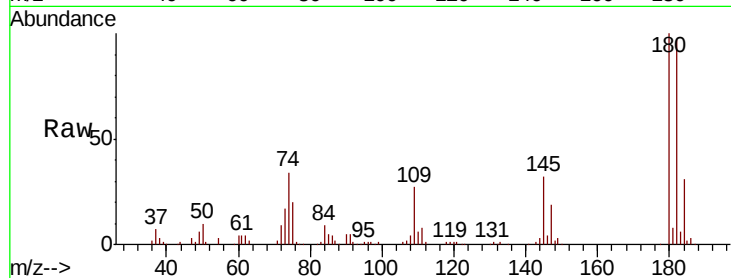




#67
 1,3,5-Trichlorobenzene
 Concen: 4.709 ug/L
 RT: 13.25 min Scan# 3703
 Delta R.T. 0.01 min
 Lab File: VU038990.D
 Acq: 19 Jun 2020 17:53

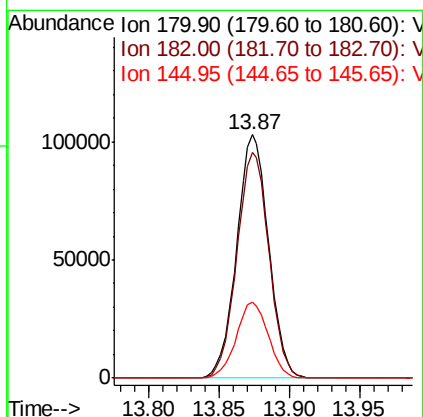
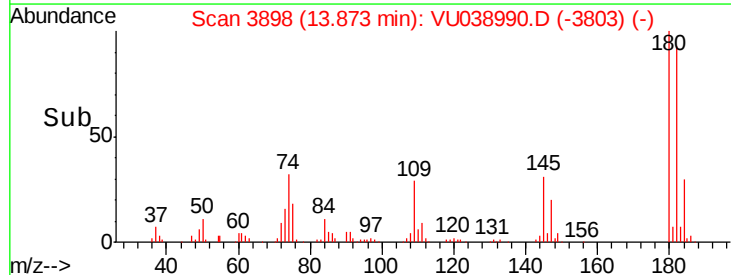
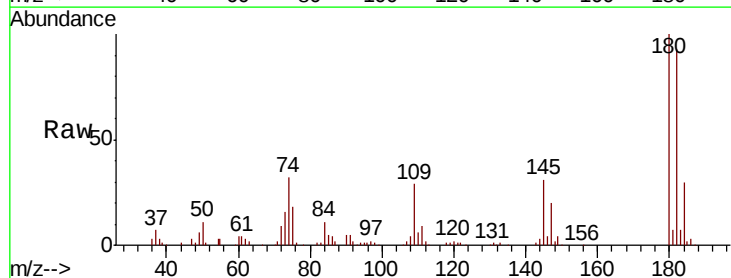
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB17

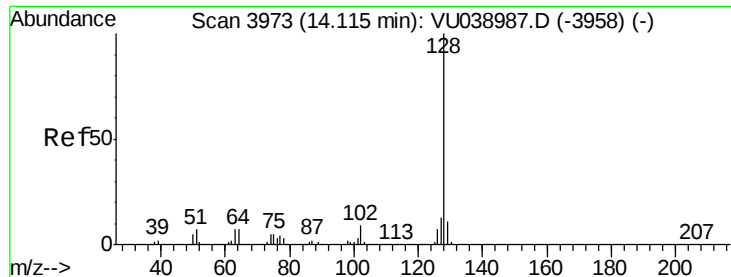
Tot Ion	Ratio	Lower	Upper
180	100		
182	98.1	76.0	114.0
184	31.4	24.2	36.2
145	31.1	24.6	36.8



#68
 1,2,4-trichlorobenzene
 Concen: 4.941 ug/L
 RT: 13.87 min Scan# 3898
 Delta R.T. 0.01 min
 Lab File: VU038990.D
 Acq: 19 Jun 2020 17:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.3	76.0	114.0
145	31.4	25.0	37.6





#69

Naphthalene

Concen: 5.253 ug/L

RT: 14.12 min Scan# 3976

Delta R.T. 0.01 min

Lab File: VU038990.D

Acq: 19 Jun 2020 17:53

Instrument :

MSVOA_U

ClientSampleId :

BFB17

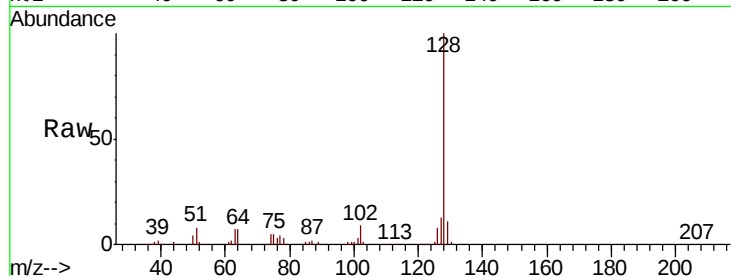
Tot Ion:128 Resp: 318400

Ion Ratio Lower Upper

128 100

129 10.7 8.3 12.5

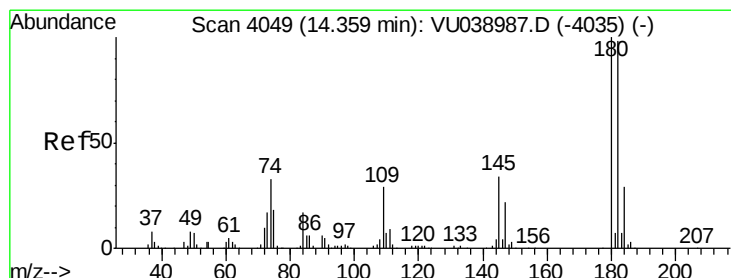
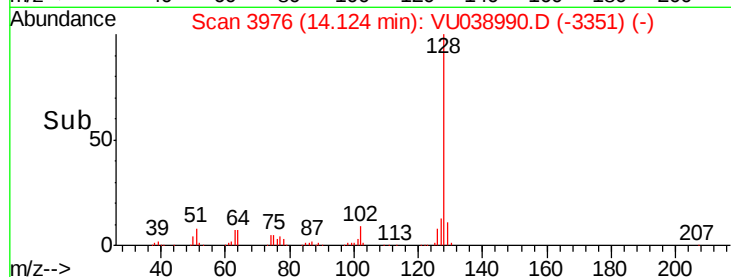
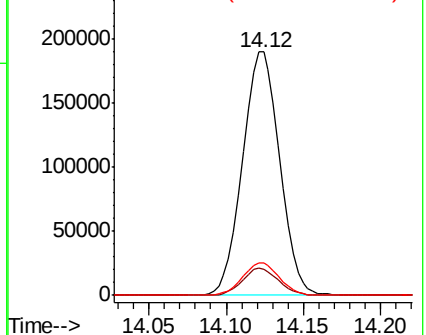
127 13.1 11.0 16.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.903 ug/L

RT: 14.37 min Scan# 4052

Delta R.T. 0.01 min

Lab File: VU038990.D

Acq: 19 Jun 2020 17:53

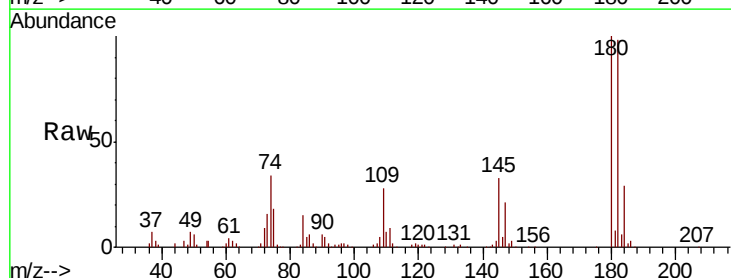
Tgt Ion:180 Resp: 154620

Ion Ratio Lower Upper

180 100

182 96.5 77.3 115.9

145 32.8 26.9 40.3



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

