

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011520\
 Data File : VU036462.D
 Acq On : 15 Jan 2020 10:28
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB40

Quant Time: Jan 15 14:17:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 15 11:15:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	561628	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	544872	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	251308	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	201715	55.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	110.80%
7) Chloroethane-d5	1.93	69	164046	52.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.08%
11) 1,1-Dichloroethene-d2	2.59	63	371920	53.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.38%
21) 2-Butanone-d5	4.67	46	294198	93.98	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.98%
24) Chloroform-d	5.11	84	380984	52.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.12%
26) 1,2-Dichloroethane-d4	5.74	65	250607	52.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.00%
32) Benzene-d6	5.77	84	737497	51.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.50%
36) 1,2-Dichloropropane-d6	6.73	67	236100	50.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.90%
41) Toluene-d8	7.93	98	702360	52.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.22%
43) trans-1,3-Dichloropropene-	8.21	79	129626	51.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.84%
47) 2-Hexanone-d5	8.67	63	238478	100.42	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.42%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	357642	51.30	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.60%
64) 1,2-Dichlorobenzene-d4	12.21	152	252736	51.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.12%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	259041	49.770 ug/L	99
3) Chloromethane	1.54	50	231794	49.458 ug/L	99
5) Vinyl chloride	1.62	62	234237	50.353 ug/L	100
6) Bromomethane	1.87	94	145353	51.382 ug/L	97
8) Chloroethane	1.95	64	131859	47.916 ug/L	100
9) Trichlorofluoromethane	2.16	101	323387	51.040 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	176374	52.650 ug/L	98
12) 1,1-Dichloroethene	2.60	96	168101	50.641 ug/L	91
13) Acetone	2.66	43	305046	90.034 ug/L	99
14) Carbon disulfide	2.82	76	546982	50.948 ug/L	99
15) Methyl Acetate	2.98	43	217542	48.013 ug/L	99
16) Methylene chloride	3.08	84	203638	49.863 ug/L	98
17) trans-1,2-Dichloroethene	3.39	96	184441	50.681 ug/L	95
18) Methyl tert-butyl Ether	3.41	73	612527	49.390 ug/L	99
19) 1,1-Dichloroethane	3.91	63	345774	50.327 ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	210015	50.333 ug/L	100
22) 2-Butanone	4.75	43	361333	93.976 ug/L	98

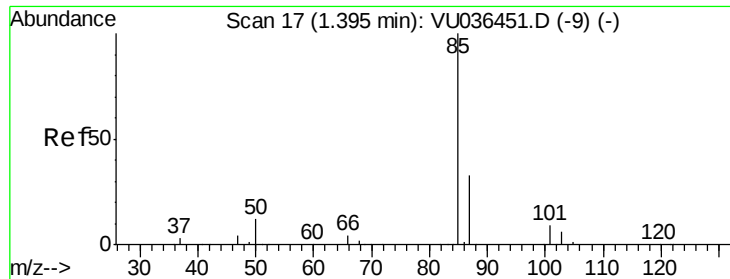
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011520\
 Data File : VU036462.D
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	101254	50.231	ug/L	98
25) Chloroform	5.13	83	371776	50.739	ug/L	99
27) 1,2-Dichloroethane	5.84	62	291457	50.223	ug/L	99
29) Cyclohexane	5.43	56	330420	50.561	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	325412	50.286	ug/L	98
31) Carbon tetrachloride	5.57	117	284062	51.217	ug/L	98
33) Benzene	5.81	78	776313	49.584	ug/L	100
34) Trichloroethene	6.58	95	208835	49.397	ug/L	98
35) Methylcyclohexane	6.80	83	341976	52.540	ug/L	99
37) 1,2-Dichloropropane	6.83	63	201852	48.645	ug/L	100
38) Bromodichloromethane	7.14	83	283003	49.556	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	344381	51.265	ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	619580	92.816	ug/L	98
42) Toluene	8.00	91	859869	50.565	ug/L	98
44) trans-1,3-Dichloropropene	8.24	75	311067	49.988	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	199706	50.351	ug/L	97
46) Tetrachloroethene	8.58	164	148632	52.266	ug/L	92
48) 2-Hexanone	8.72	43	492867	93.354	ug/L	99
49) Dibromochloromethane	8.84	129	227579	51.583	ug/L	98
50) 1,2-Dibromoethane	8.95	107	226272	50.326	ug/L #	98
51) Chlorobenzene	9.47	112	544162	50.889	ug/L	99
52) Ethylbenzene	9.60	91	977864	51.484	ug/L	98
53) m,p-Xylene	9.72	106	372796	52.487	ug/L	99
54) o-xylene	10.12	106	357152	50.370	ug/L	98
55) Styrene	10.14	104	593421	51.602	ug/L	95
56) Isopropylbenzene	10.51	105	951039	52.259	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	350543	50.823	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	276648	48.347	ug/L	98
61) Bromoform	10.32	173	159106	46.489	ug/L	98
62) 1,3-Dichlorobenzene	11.77	146	396162	50.062	ug/L	100
63) 1,4-Dichlorobenzene	11.86	146	401086	50.442	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	394356	50.522	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	79050	46.053	ug/L	99
67) 1,3,5-Trichlorobenzene	13.24	180	256981	53.703	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	184758	52.392	ug/L	99
69) Naphthalene	14.10	128	567521	47.626	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	184130	50.331	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 49.770 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036462.D

Acq: 15 Jan 2020 10:28

Instrument :

MSVOA_U

ClientSampleId :

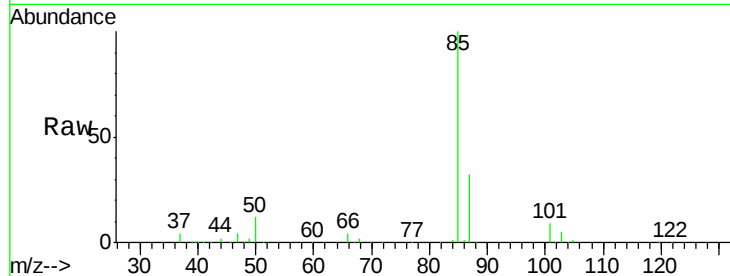
BFB40

Tgt Ion: 85 Resp: 259041

Ion Ratio Lower Upper

85 100

87 31.8 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU036451.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU036451.D (-9) (-)

1.39

250000

200000

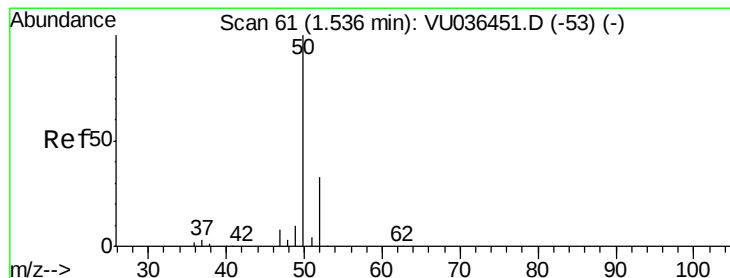
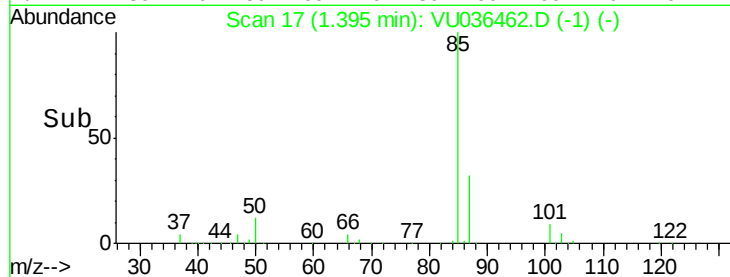
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 49.458 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU036462.D

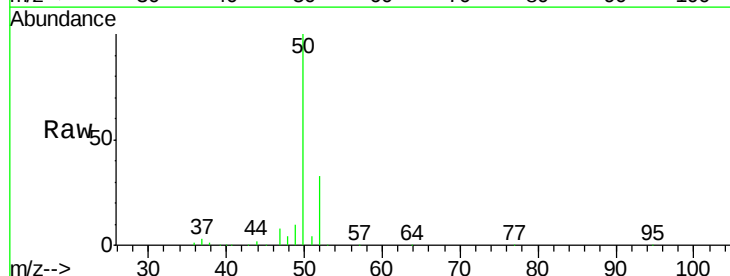
Acq: 15 Jan 2020 10:28

Tgt Ion: 50 Resp: 231794

Ion Ratio Lower Upper

50 100

52 33.4 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VU036451.D (-53) (-)

Ion 52.00 (51.70 to 52.70): VU036451.D (-53) (-)

1.54

250000

200000

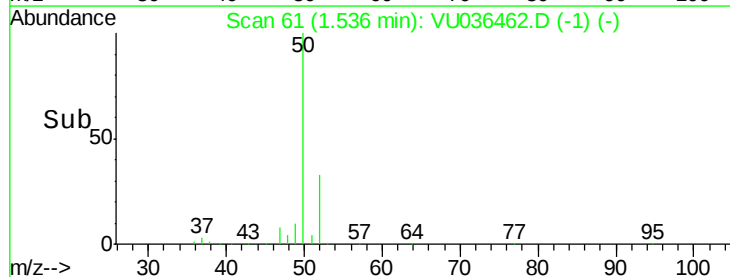
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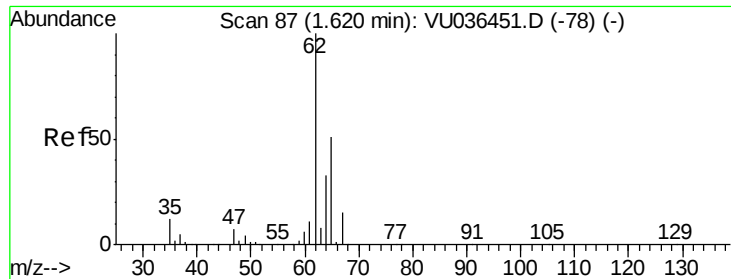
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 50.353 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU036462.D

Acq: 15 Jan 2020 10:28

Instrument :

MSVOA_U

ClientSampleId :

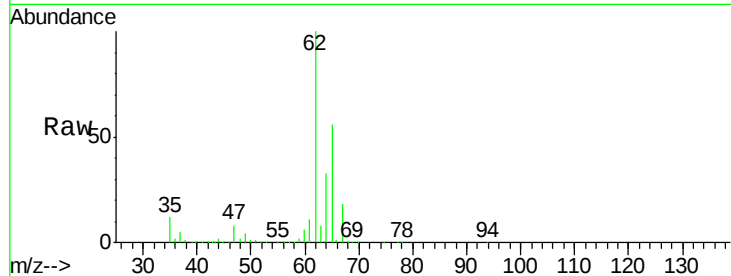
BFB40

Tgt Ion: 62 Resp: 234237

Ion Ratio Lower Upper

62 100

64 33.1 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU036451.D (-78) (-)

Ion 64.00 (63.70 to 64.70): VU036451.D (-78) (-)

1.62

200000

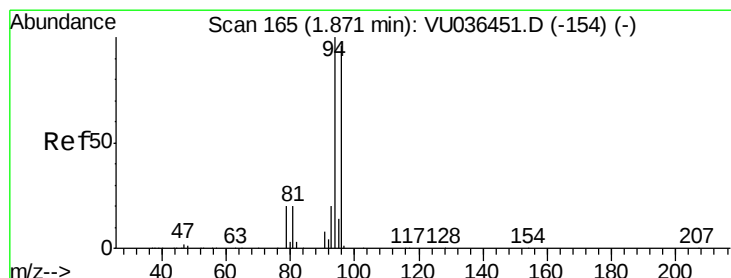
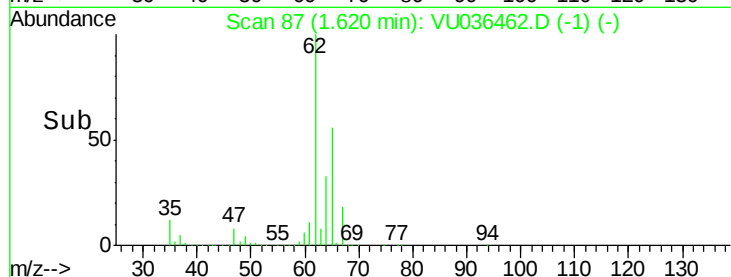
150000

100000

50000

0

Time--> 1.55 1.60 1.65 1.70



#6

Bromomethane

Concen: 51.382 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU036462.D

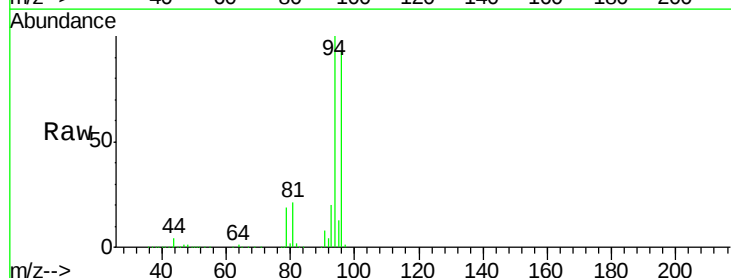
Acq: 15 Jan 2020 10:28

Tgt Ion: 94 Resp: 145353

Ion Ratio Lower Upper

94 100

96 92.5 67.1 124.7



Abundance Ion 94.00 (93.70 to 94.70): VU036451.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU036451.D (-154) (-)

1.87

120000

100000

80000

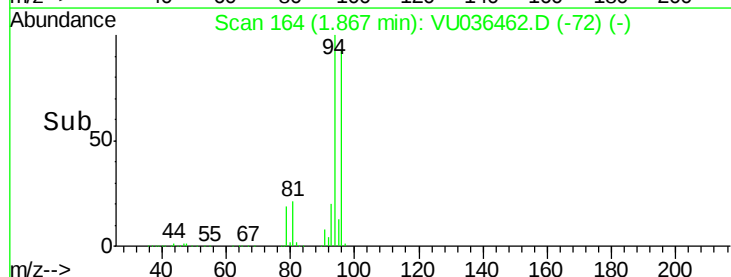
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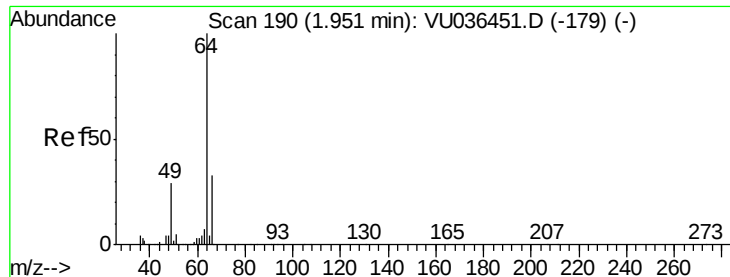
40000

20000

0

Time--> 1.80 1.85 1.90 1.95





#8

Chloroethane

Concen: 47.916 ug/L

RT: 1.95 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU036462.D

Acq: 15 Jan 2020 10:28

Instrument :

MSVOA_U

ClientSampleId :

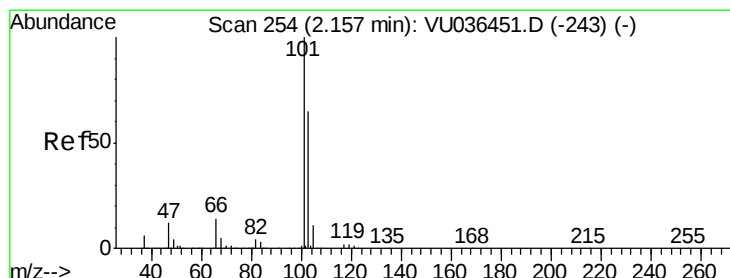
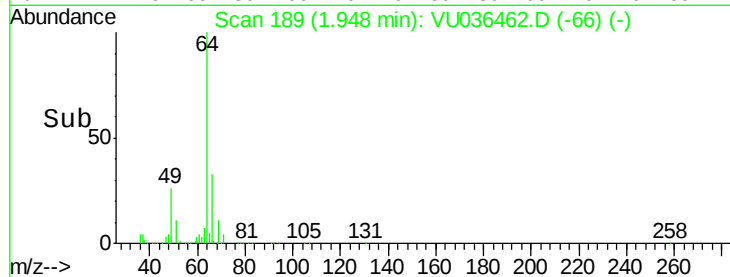
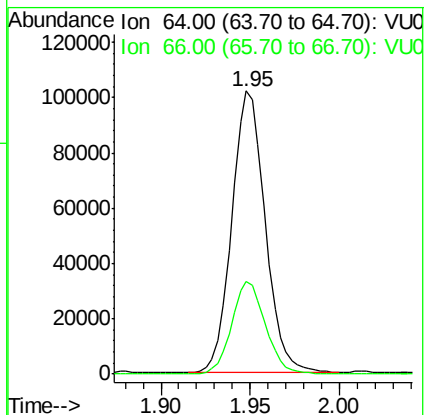
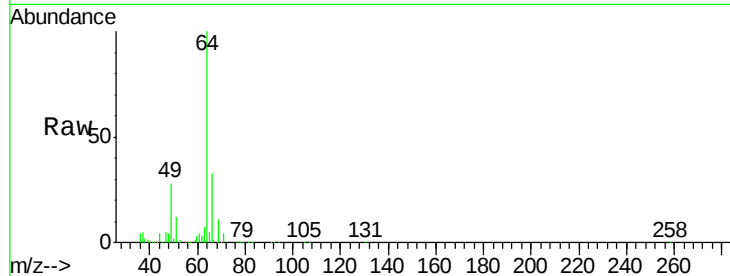
BFB40

Tgt Ion: 64 Resp: 131859

Ion Ratio Lower Upper

64 100

66 33.0 23.1 42.9



#9

Trichlorofluoromethane

Concen: 51.040 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU036462.D

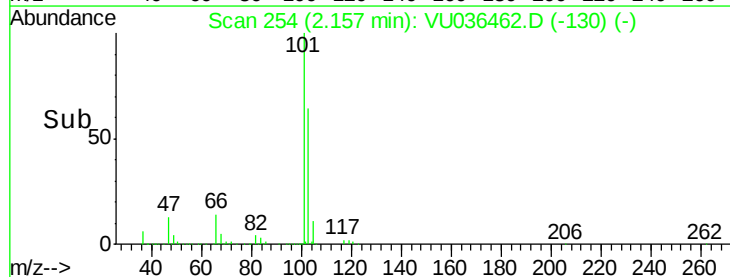
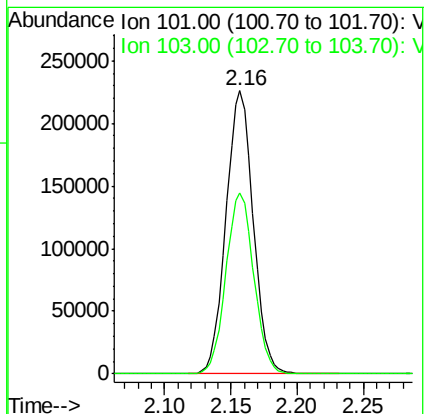
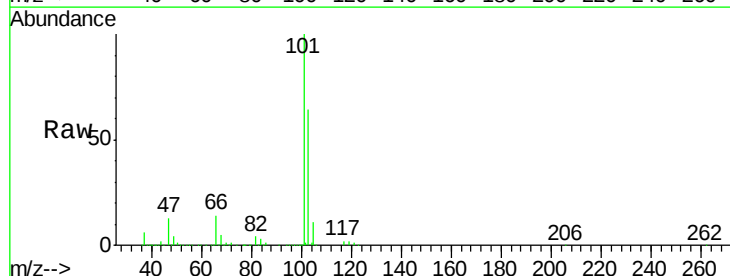
Acq: 15 Jan 2020 10:28

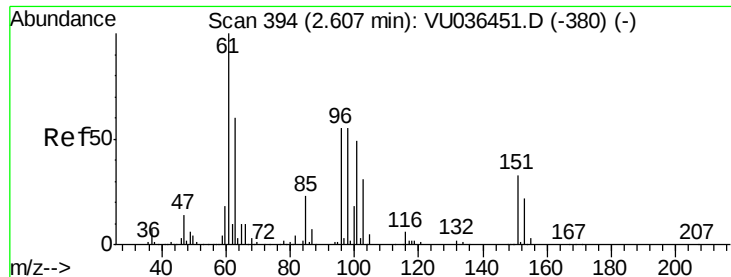
Tgt Ion: 101 Resp: 323387

Ion Ratio Lower Upper

101 100

103 65.2 52.0 78.0





#10

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

Concen: 52.650 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036462.D

Acq: 15 Jan 2020 10:28

Instrument :

MSVOA_U

ClientSampleId :

BFB40

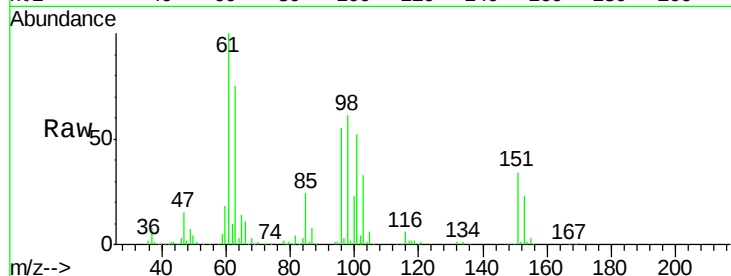
Tgt Ion:101 Resp: 176374

Ion Ratio Lower Upper

101 100

85 47.2 36.7 55.1

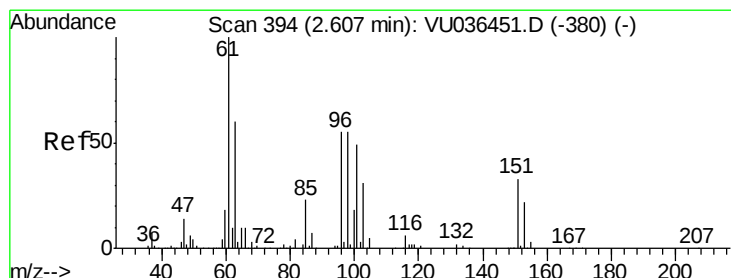
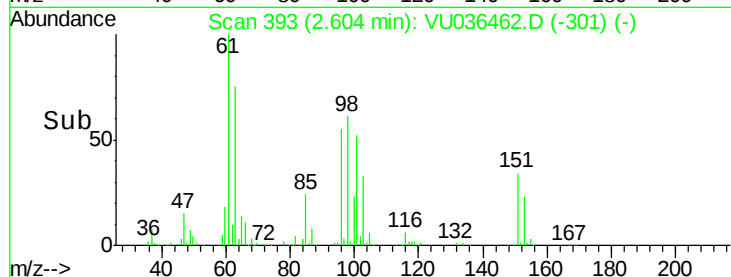
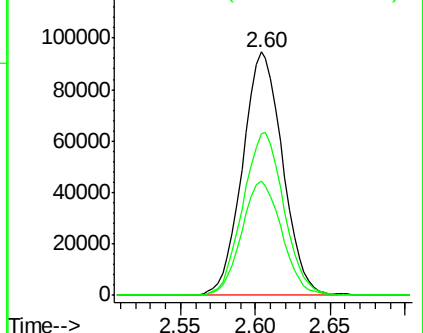
151 68.4 53.3 79.9



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: 50.641 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036462.D

Acq: 15 Jan 2020 10:28

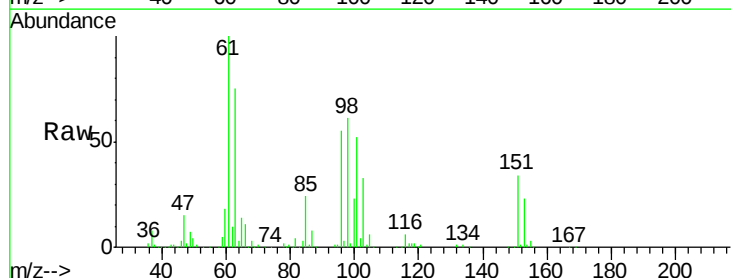
Tgt Ion: 96 Resp: 168101

Ion Ratio Lower Upper

96 100

61 181.0 128.2 238.2

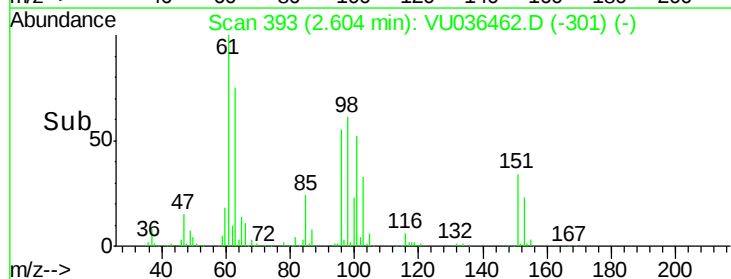
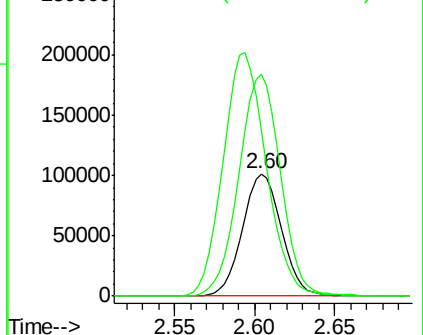
63 135.8 79.1 146.9

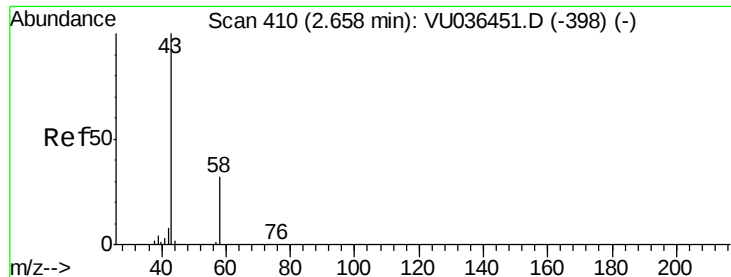


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 90.034 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

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Instrument :

MSVOA_U

ClientSampleId :

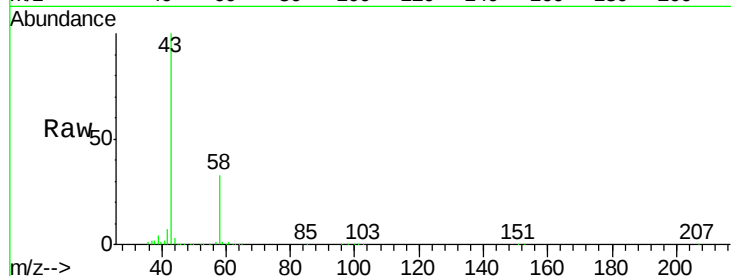
BFB40

Tgt Ion: 43 Resp: 305046

Ion Ratio Lower Upper

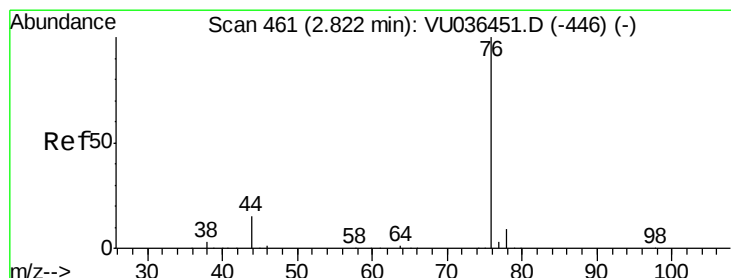
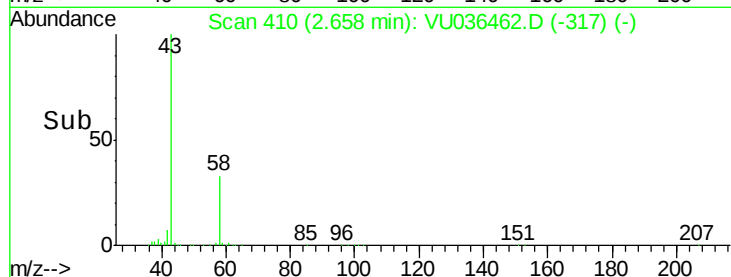
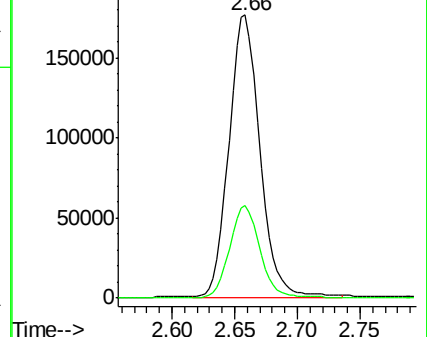
43 100

58 31.9 0.0 65.0



Abundance Ion 43.00 (42.70 to 43.70): VU036451.D (-398) (-)

Ion 58.00 (57.70 to 58.70): VU036451.D (-398) (-)



#14

Carbon disulfide

Concen: 50.948 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU036462.D

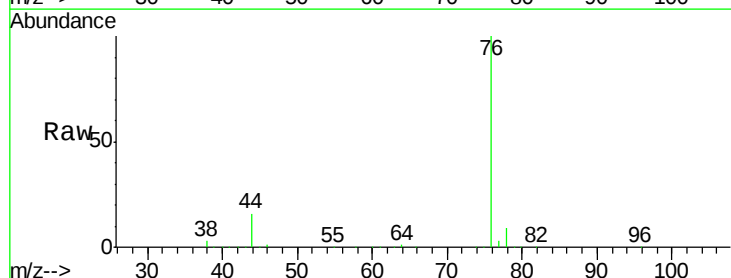
Acq: 15 Jan 2020 10:28

Tgt Ion: 76 Resp: 546982

Ion Ratio Lower Upper

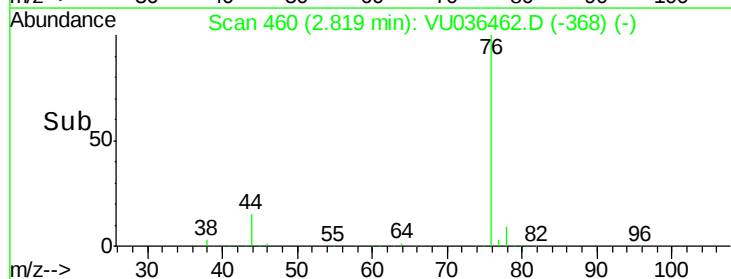
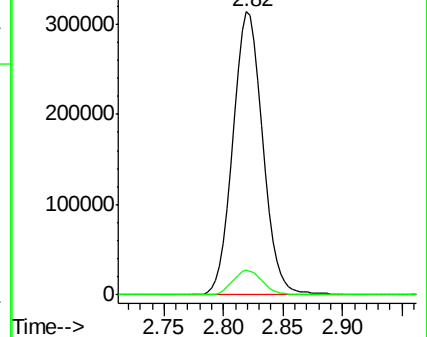
76 100

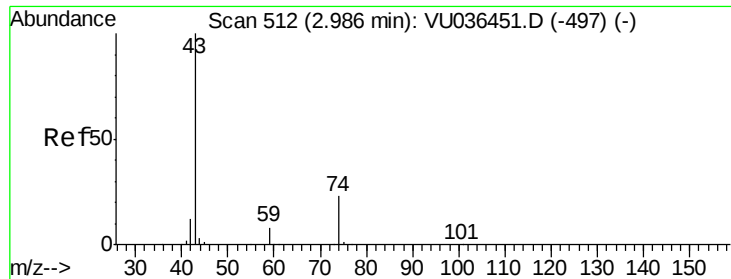
78 8.6 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU036451.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU036451.D (-446) (-)

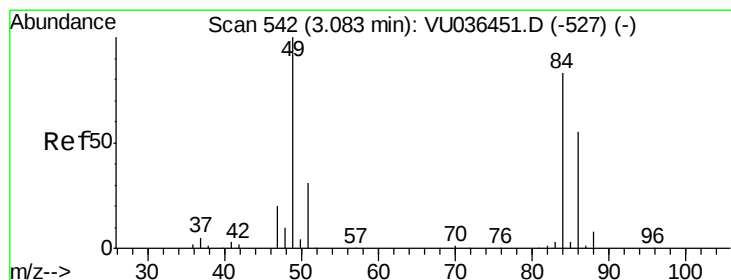
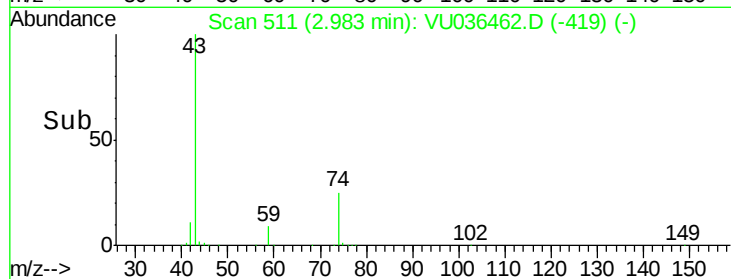
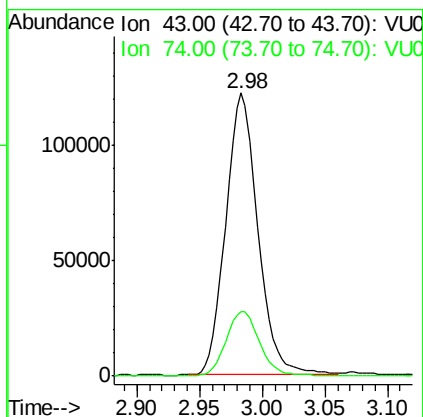
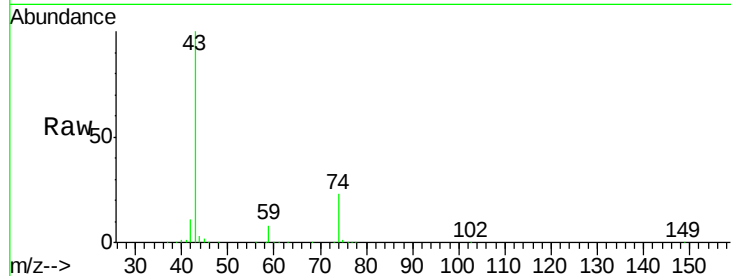




#15
Methyl Acetate
Concen: 48.013 ug/L
RT: 2.98 min Scan# 511
Delta R.T. -0.00 min
Lab File: VU036462.D
Acq: 15 Jan 2020 10:28

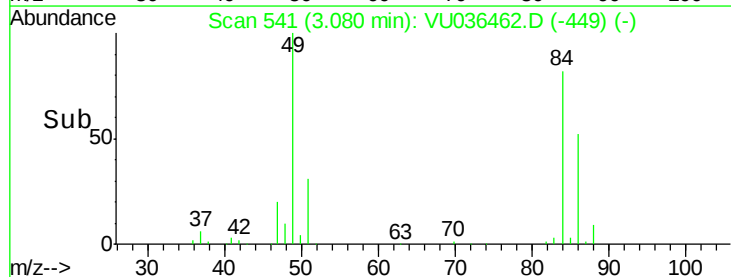
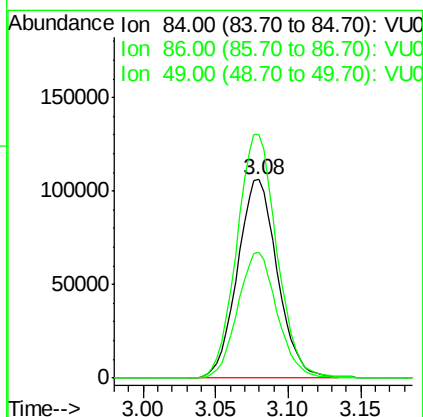
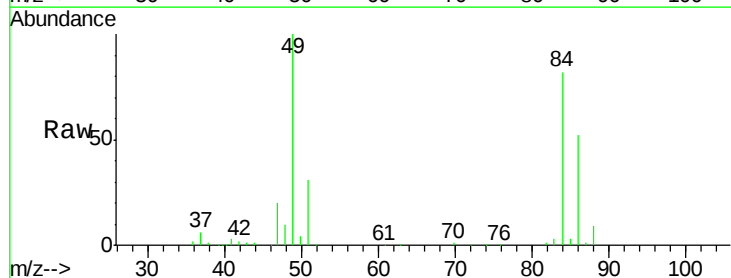
Instrument :
MSVOA_U
ClientSampleId :
BFB40

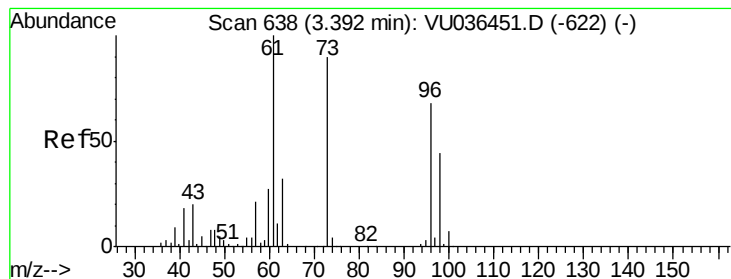
Tgt Ion: 43 Resp: 217542
Ion Ratio Lower Upper
43 100
74 24.0 19.0 28.4



#16
Methylene chloride
Concen: 49.863 ug/L
RT: 3.08 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU036462.D
Acq: 15 Jan 2020 10:28

Tgt Ion: 84 Resp: 203638
Ion Ratio Lower Upper
84 100
86 63.2 46.4 86.2
49 122.6 84.5 156.9





#17

trans-1,2-Dichloroethene

Concen: 50.681 ug/L

RT: 3.39 min Scan# 637

Delta R.T. -0.00 min

Lab File: VU036462.D

Acq: 15 Jan 2020 10:28

Instrument :

MSVOA_U

ClientSampleId :

BFB40

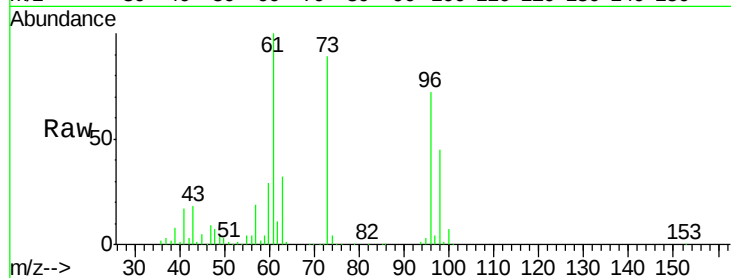
Tgt Ion: 96 Resp: 184441

Ion Ratio Lower Upper

96 100

61 139.3 102.8 191.0

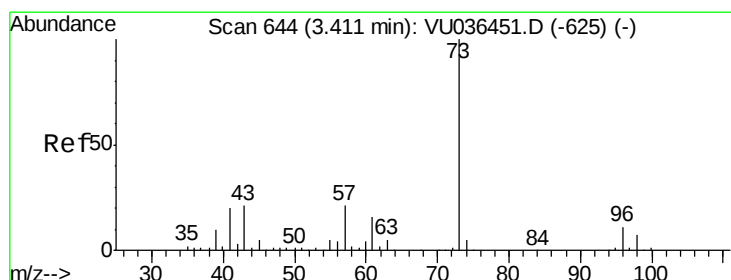
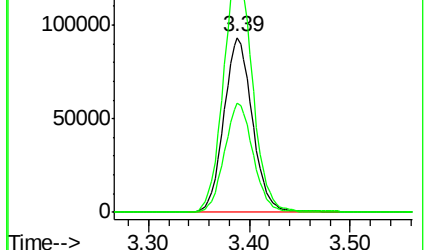
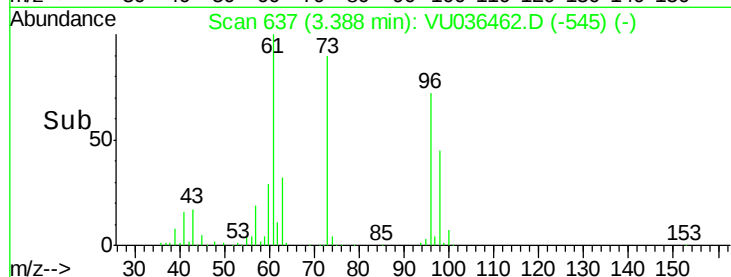
98 62.5 44.9 83.5



Abundance Ion 96.00 (95.70 to 96.70): VU036462.D (-545) (-)

Ion 61.00 (60.70 to 61.70): VU036462.D (-545) (-)

Ion 98.00 (97.70 to 98.70): VU036462.D (-545) (-)



#18

Methyl tert-butyl Ether

Concen: 49.390 ug/L

RT: 3.41 min Scan# 643

Delta R.T. -0.00 min

Lab File: VU036462.D

Acq: 15 Jan 2020 10:28

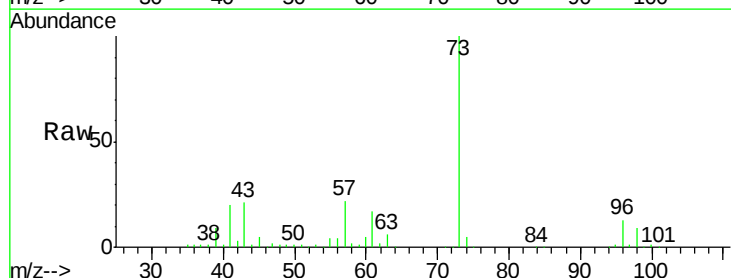
Tgt Ion: 73 Resp: 612527

Ion Ratio Lower Upper

73 100

43 21.2 16.6 25.0

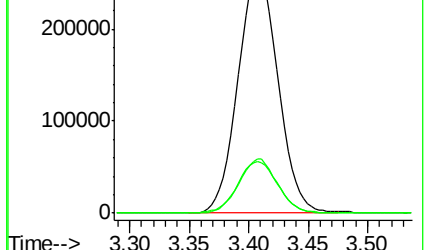
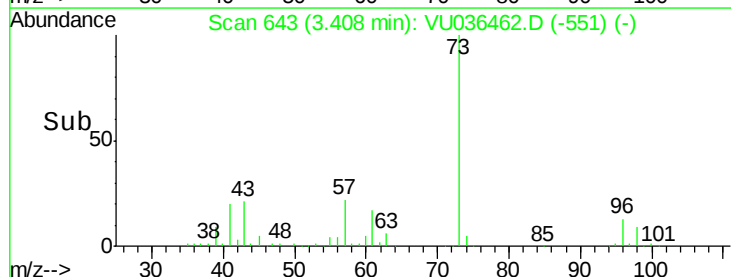
57 21.7 17.0 25.6

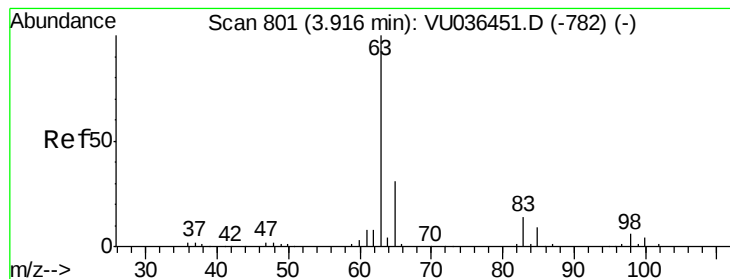


Abundance Ion 73.00 (72.70 to 73.70): VU036462.D (-551) (-)

Ion 43.00 (42.70 to 43.70): VU036462.D (-551) (-)

Ion 57.00 (56.70 to 57.70): VU036462.D (-551) (-)





#19

1,1-Dichloroethane

Concen: 50.327 ug/L

RT: 3.91 min Scan# 800

Delta R.T. -0.00 min

Lab File: VU036462.D

Acq: 15 Jan 2020 10:28

Instrument :

MSVOA_U

ClientSampleId :

BFB40

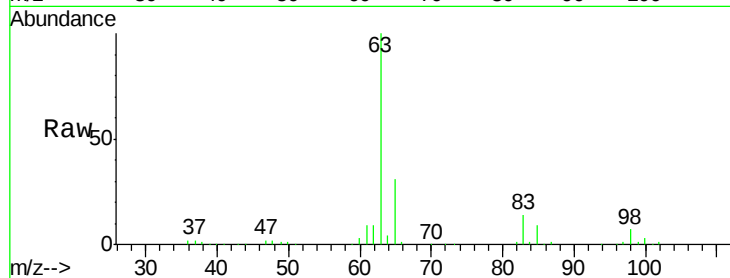
Tgt Ion: 63 Resp: 345774

Ion Ratio Lower Upper

63 100

65 30.5 21.8 40.4

83 14.0 9.4 17.6

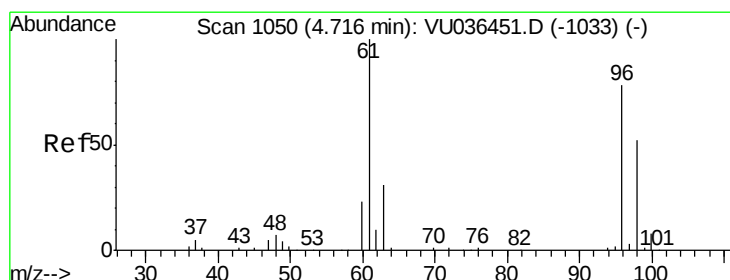
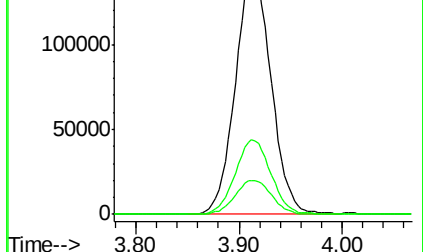
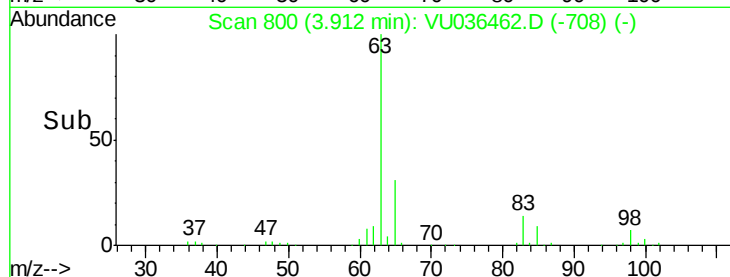


Abundance Ion 63.00 (62.70 to 63.70): VU036451.D (-782) (-)

Ion 65.00 (64.70 to 65.70): VU036451.D (-782) (-)

Ion 83.00 (82.70 to 83.70): VU036451.D (-782) (-)

Time-->



#20

cis-1,2-Dichloroethene

Concen: 50.333 ug/L

RT: 4.71 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VU036462.D

Acq: 15 Jan 2020 10:28

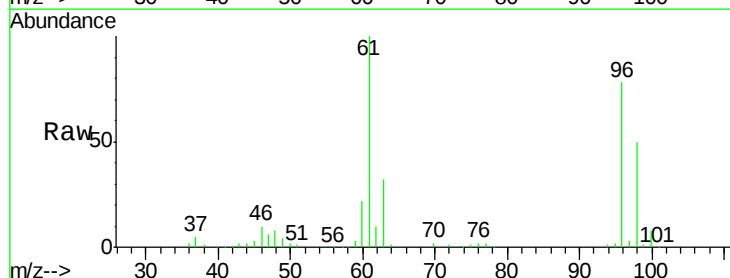
Tgt Ion: 96 Resp: 210015

Ion Ratio Lower Upper

96 100

61 128.4 89.5 166.3

68 0.0 0.0 0.0

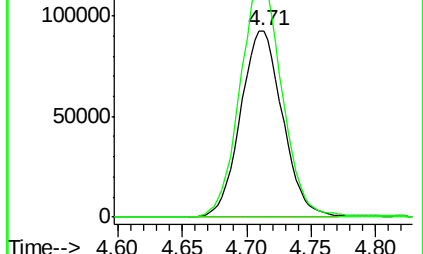
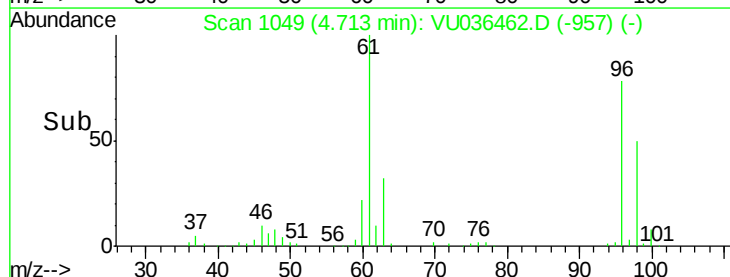


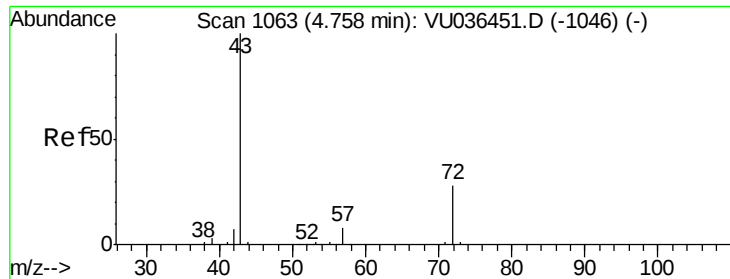
Abundance Ion 96.00 (95.70 to 96.70): VU036451.D (-1033) (-)

Ion 61.00 (60.70 to 61.70): VU036451.D (-1033) (-)

Ion 68.00 (67.70 to 68.70): VU036451.D (-1033) (-)

Time-->





#22

2-Butanone

Concen: 93.976 ug/L

RT: 4.75 min Scan# 1062

Delta R.T. -0.00 min

Lab File: VU036462.D

Acq: 15 Jan 2020 10:28

Instrument :

MSVOA_U

ClientSampled :

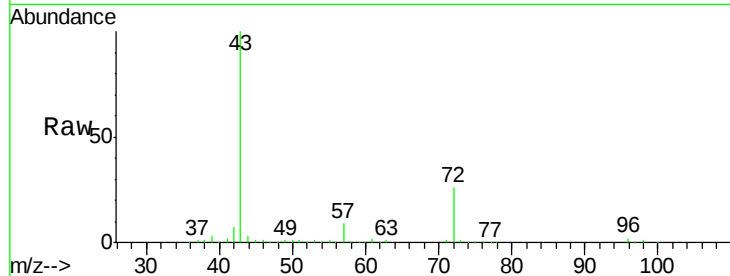
BFB40

Tgt Ion: 43 Resp: 361333

Ion Ratio Lower Upper

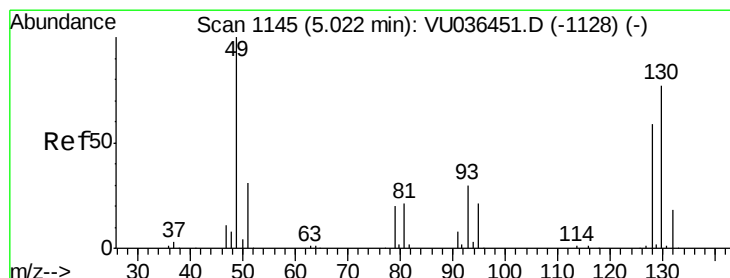
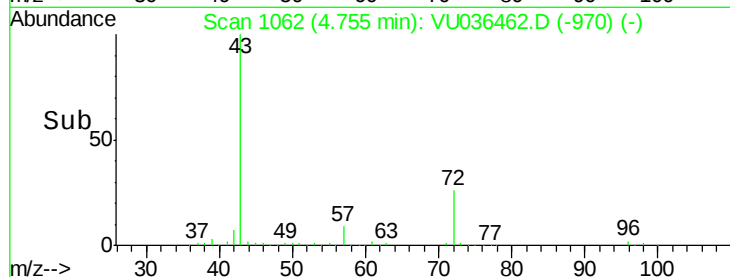
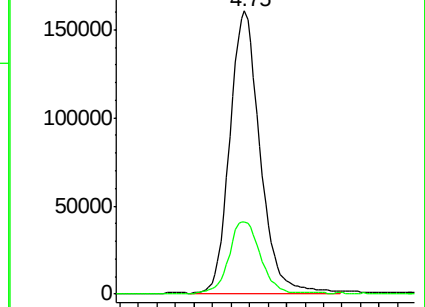
43 100

72 27.0 14.1 42.4



Abundance Ion 43.00 (42.70 to 43.70): VU036462.D (-970) (-)

Ion 72.00 (71.70 to 72.70): VU036462.D (-970) (-)



#23

Bromochloromethane

Concen: 50.231 ug/L

RT: 5.02 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VU036462.D

Acq: 15 Jan 2020 10:28

Tgt Ion: 128 Resp: 101254

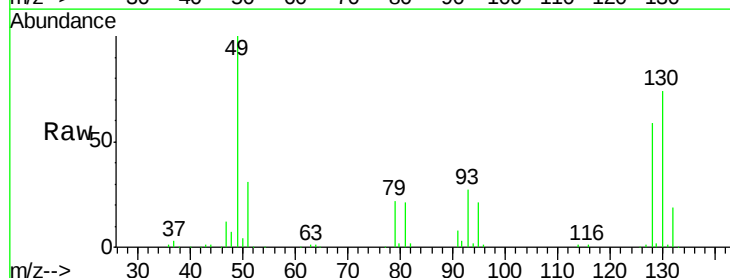
Ion Ratio Lower Upper

128 100

49 169.2 118.9 220.7

130 125.7 91.3 169.5

51 52.1 42.6 63.8

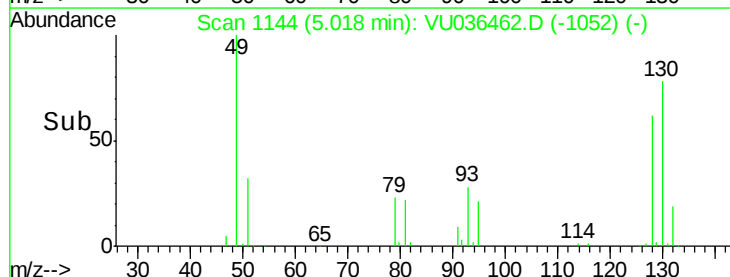
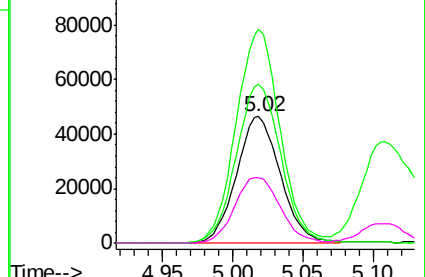


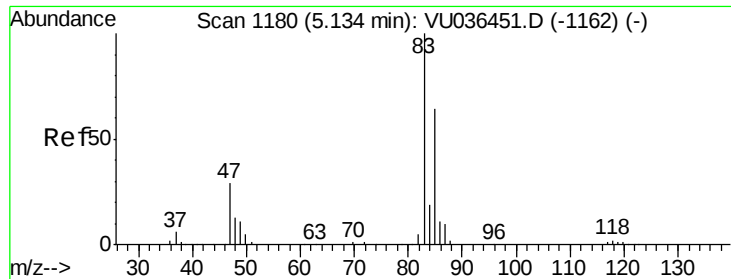
Abundance Ion 128.00 (127.70 to 128.70): VU036462.D (-1052) (-)

Ion 49.00 (48.70 to 49.70): VU036462.D (-1052) (-)

Ion 130.00 (129.70 to 130.70): VU036462.D (-1052) (-)

Ion 51.00 (50.70 to 51.70): VU036462.D (-1052) (-)

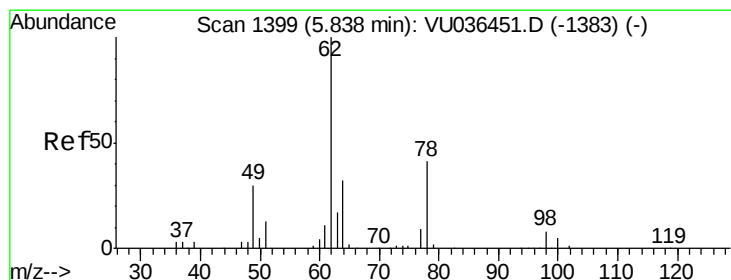
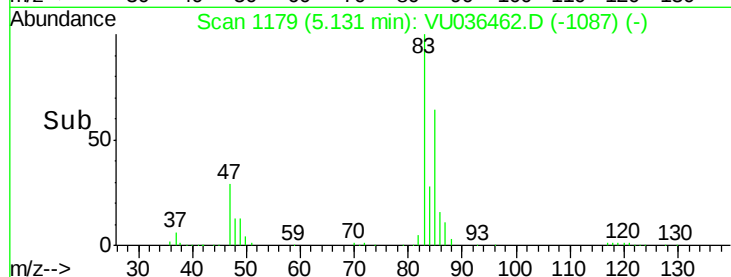
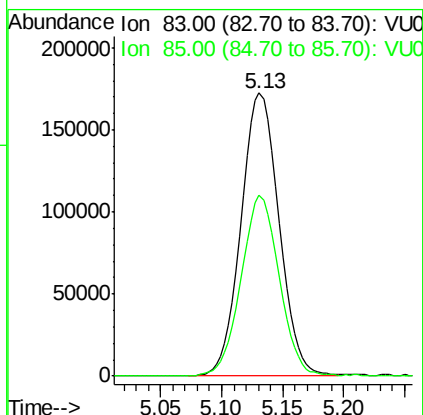
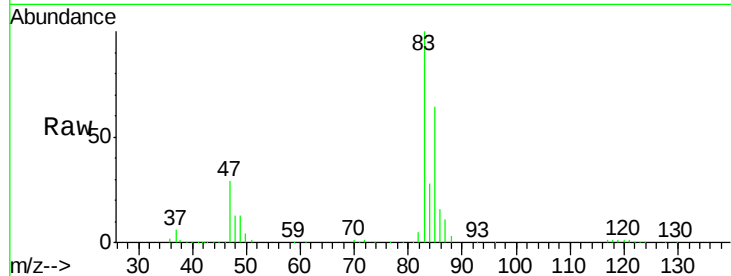




#25
Chloroform
Concen: 50.739 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU036462.D
Acq: 15 Jan 2020 10:28

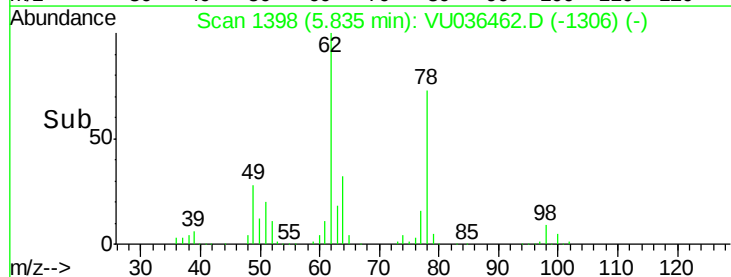
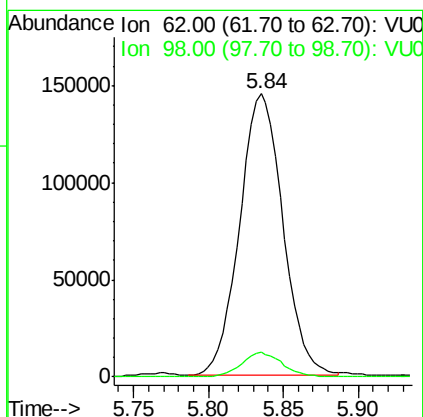
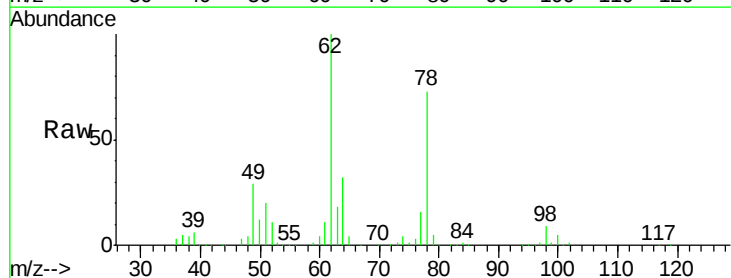
Instrument :
MSVOA_U
ClientSampleId :
BFB40

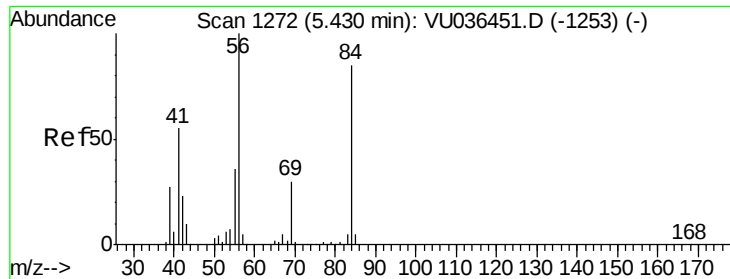
Tgt Ion: 83 Resp: 371776
Ion Ratio Lower Upper
83 100
85 64.0 45.1 83.9



#27
1,2-Dichloroethane
Concen: 50.223 ug/L
RT: 5.84 min Scan# 1398
Delta R.T. -0.00 min
Lab File: VU036462.D
Acq: 15 Jan 2020 10:28

Tgt Ion: 62 Resp: 291457
Ion Ratio Lower Upper
62 100
98 8.6 6.6 9.8

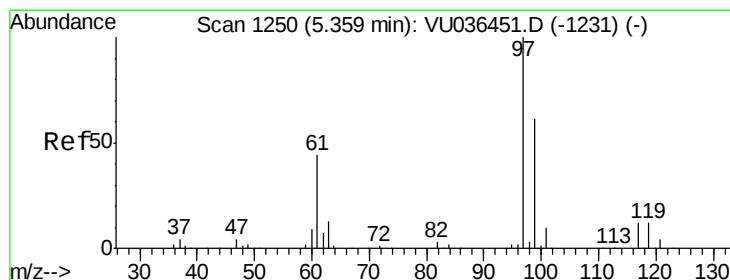
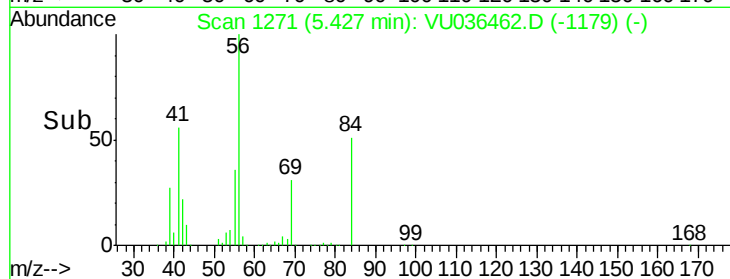
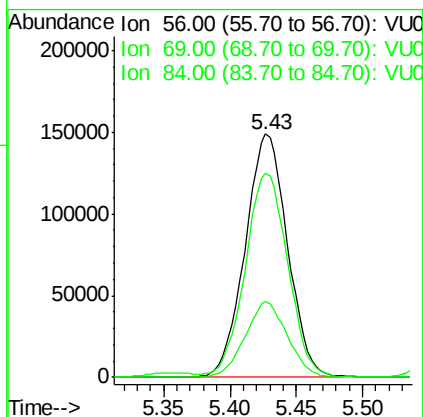
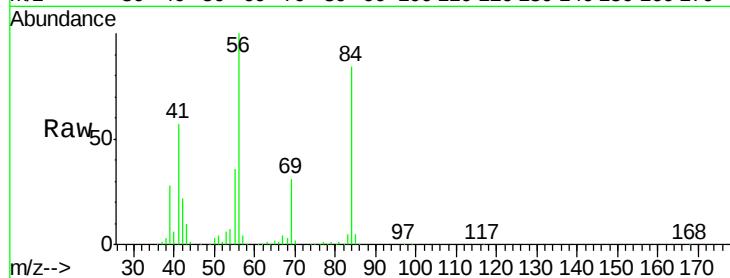




#29
Cyclohexane
Concen: 50.561 ug/L
RT: 5.43 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU036462.D
Acq: 15 Jan 2020 10:28

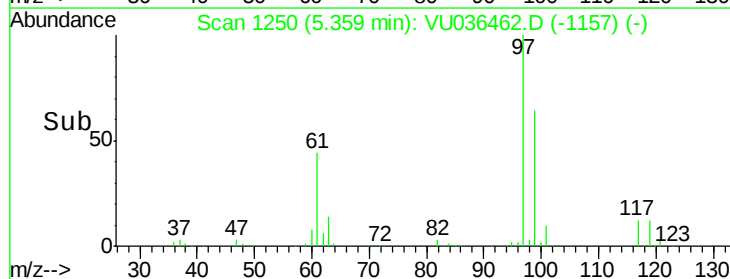
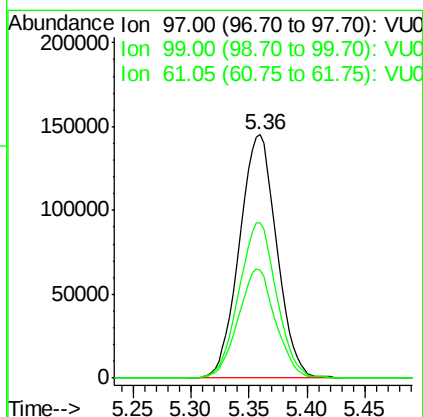
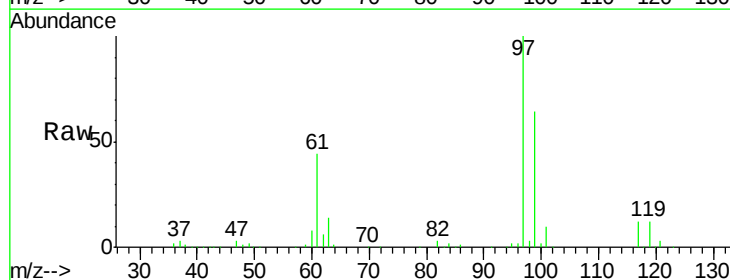
Instrument :
MSVOA_U
ClientSampled :
BFB40

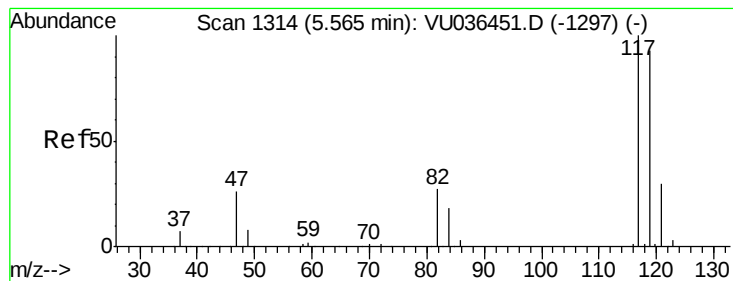
Tgt Ion: 56 Resp: 330420
Ion Ratio Lower Upper
56 100
69 31.0 24.6 36.8
84 83.7 67.4 101.2



#30
1,1,1-Trichloroethane
Concen: 50.286 ug/L
RT: 5.36 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU036462.D
Acq: 15 Jan 2020 10:28

Tgt Ion: 97 Resp: 325412
Ion Ratio Lower Upper
97 100
99 64.4 50.2 75.2
61 44.8 35.3 52.9





#31

Carbon tetrachloride

Concen: 51.217 ug/L

RT: 5.57 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VU036462.D

Acq: 15 Jan 2020 10:28

Instrument :

MSVOA_U

ClientSampleId :

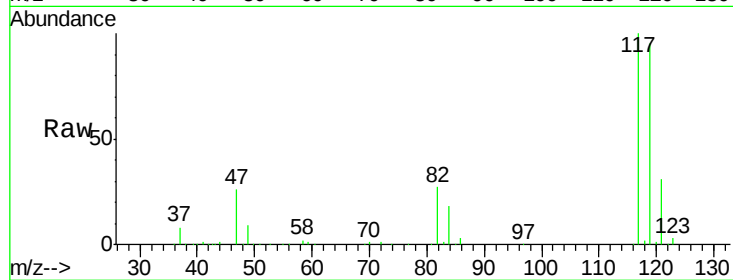
BFB40

Tgt Ion:117 Resp: 284062

Ion Ratio Lower Upper

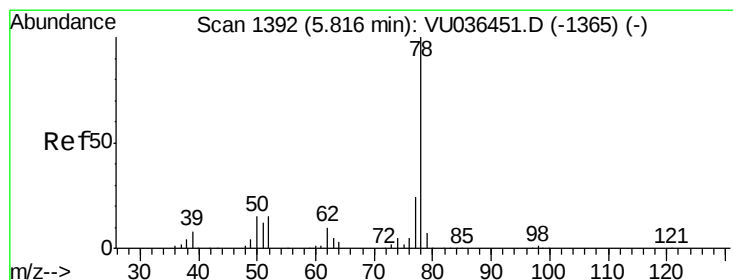
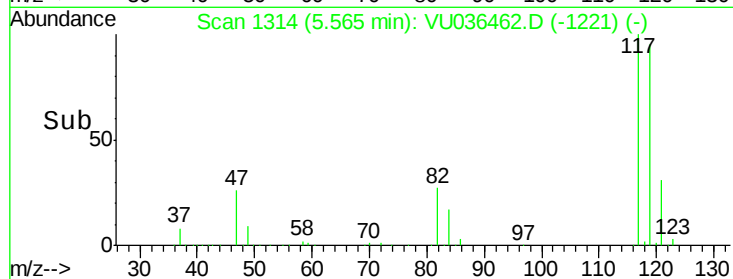
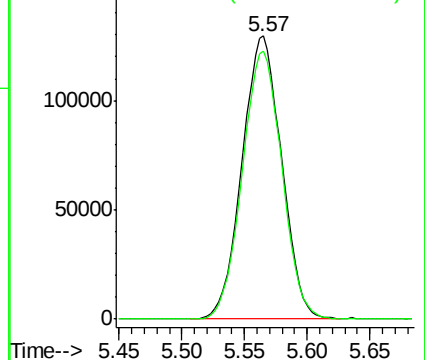
117 100

119 94.7 74.3 111.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 49.584 ug/L

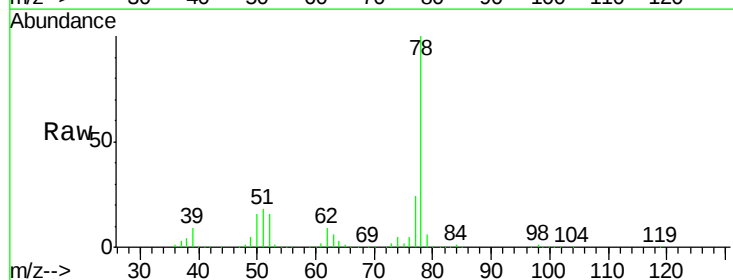
RT: 5.81 min Scan# 1391

Delta R.T. -0.00 min

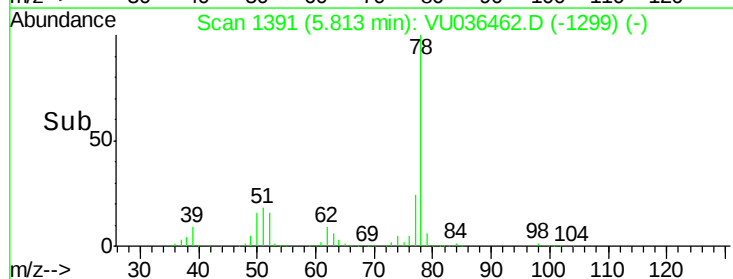
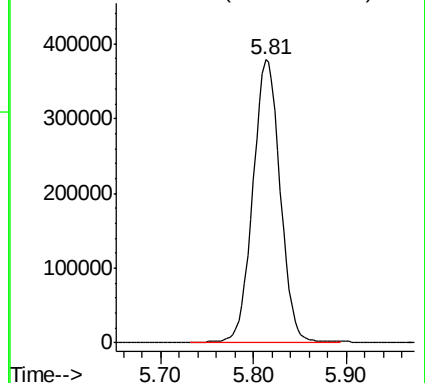
Lab File: VU036462.D

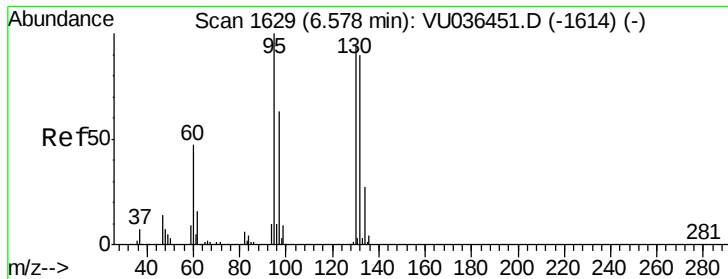
Acq: 15 Jan 2020 10:28

Tgt Ion: 78 Resp: 776313



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 49.397 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VU036462.D

Acq: 15 Jan 2020 10:28

Instrument :

MSVOA_U

ClientSampleId :

BFB40

Tgt Ion: 95 Resp: 208835

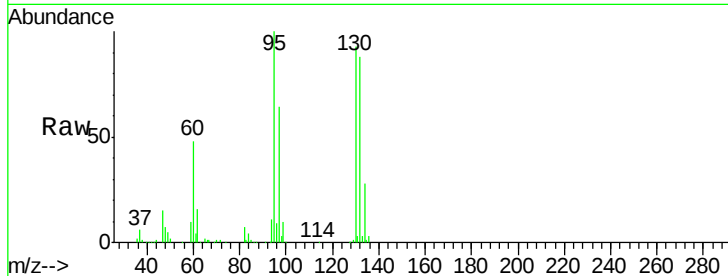
Ion Ratio Lower Upper

95 100

97 64.3 44.2 82.2

132 87.8 62.8 116.6

130 92.6 66.1 122.7

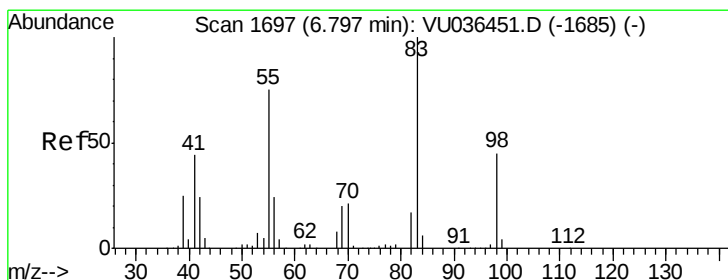
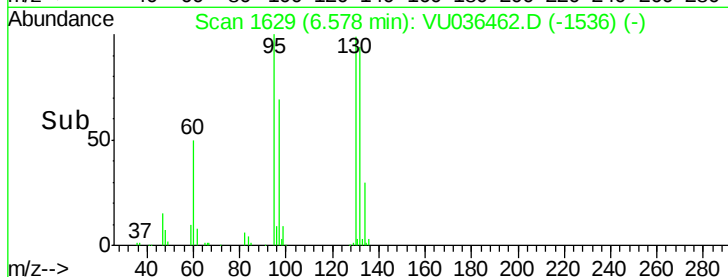
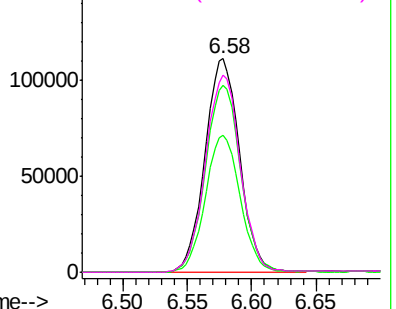


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 52.540 ug/L

RT: 6.80 min Scan# 1697

Delta R.T. -0.00 min

Lab File: VU036462.D

Acq: 15 Jan 2020 10:28

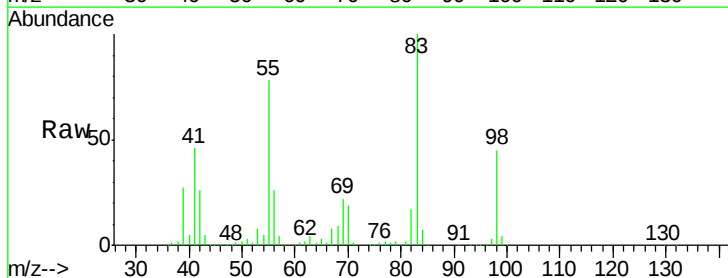
Tgt Ion: 83 Resp: 341976

Ion Ratio Lower Upper

83 100

55 75.7 59.9 89.9

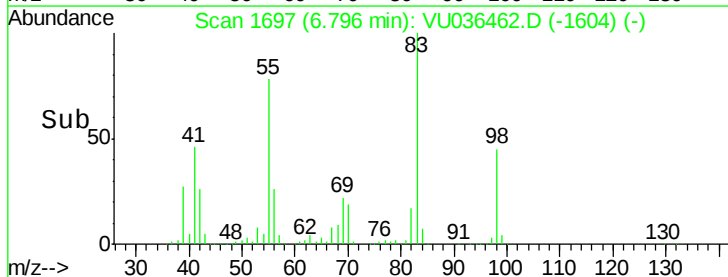
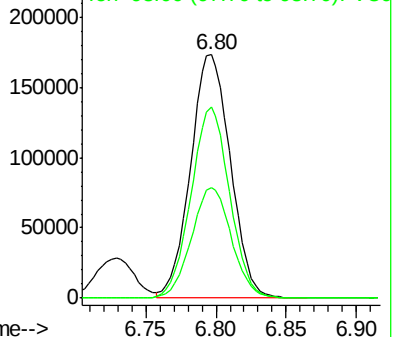
98 45.4 36.4 54.6

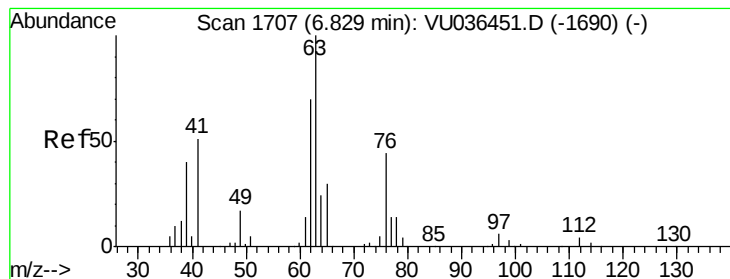


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 48.645 ug/L

RT: 6.83 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VU036462.D

Acq: 15 Jan 2020 10:28

Instrument :

MSVOA_U

ClientSampleId :

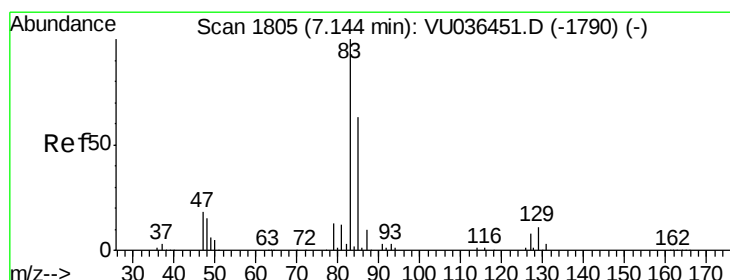
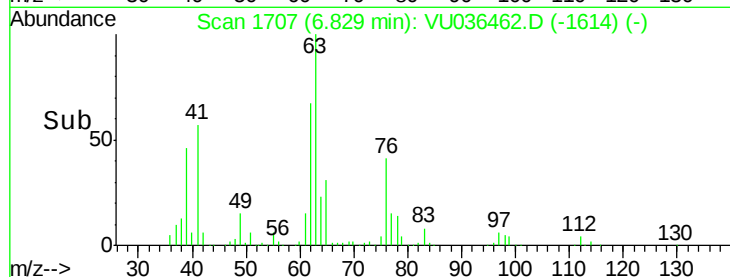
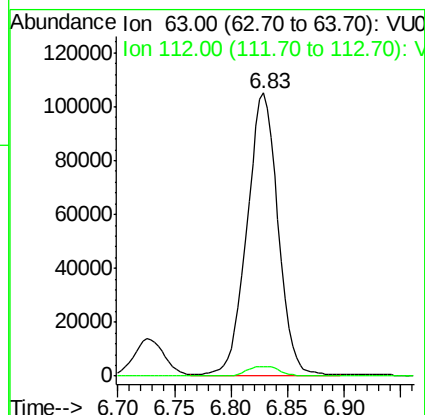
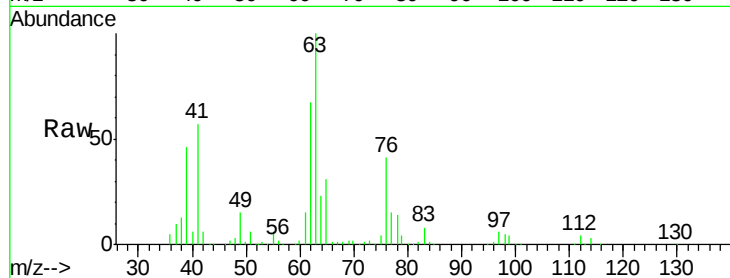
BFB40

Tgt Ion: 63 Resp: 201852

Ion Ratio Lower Upper

63 100

112 3.7 3.0 4.4



#38

Bromodichloromethane

Concen: 49.556 ug/L

RT: 7.14 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VU036462.D

Acq: 15 Jan 2020 10:28

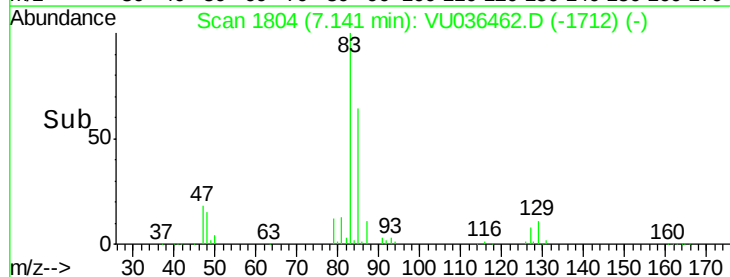
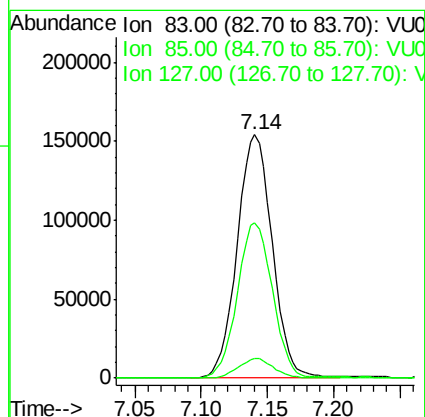
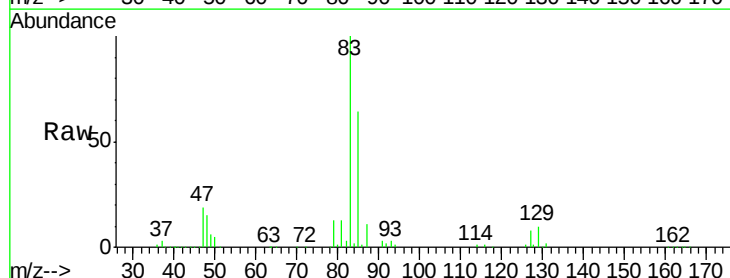
Tgt Ion: 83 Resp: 283003

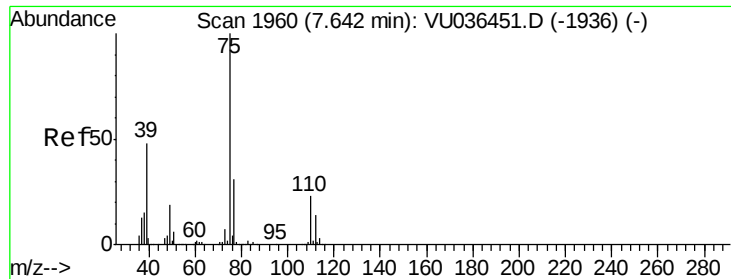
Ion Ratio Lower Upper

83 100

85 63.9 44.0 81.8

127 7.9 6.7 10.1



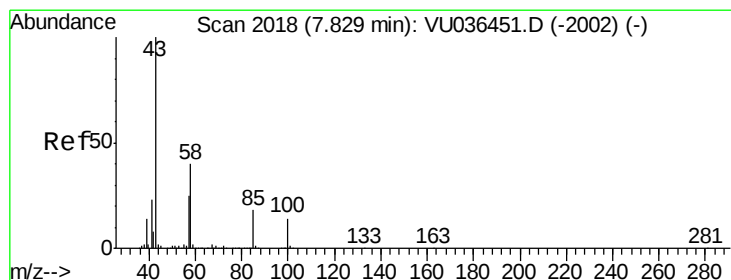
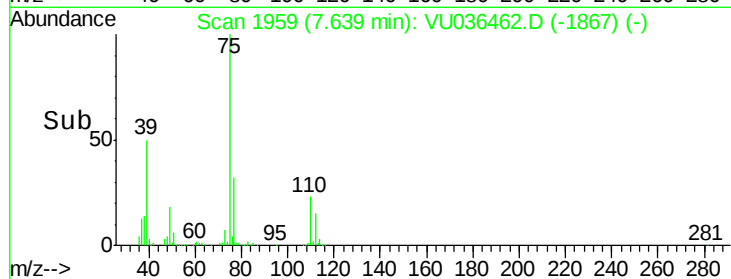
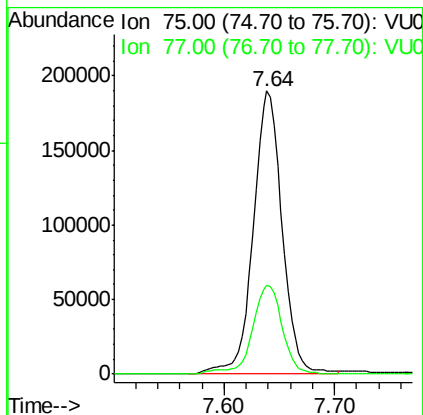
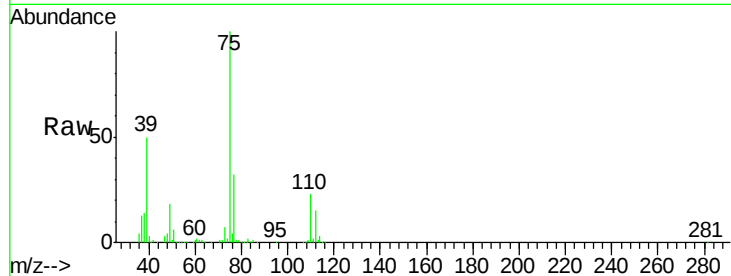


#39

cis-1,3-Dichloropropene
 Concen: 51.265 ug/L
 RT: 7.64 min Scan# 1959
 Delta R.T. -0.00 min
 Lab File: VU036462.D
 Acq: 15 Jan 2020 10:28

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB40

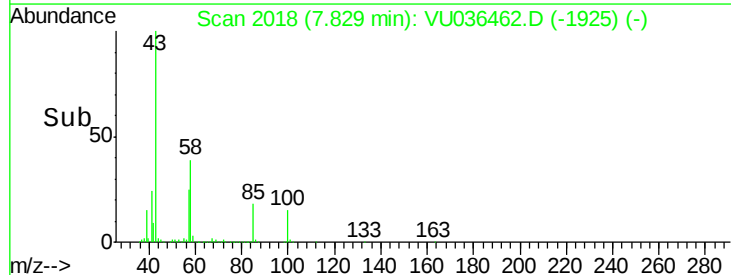
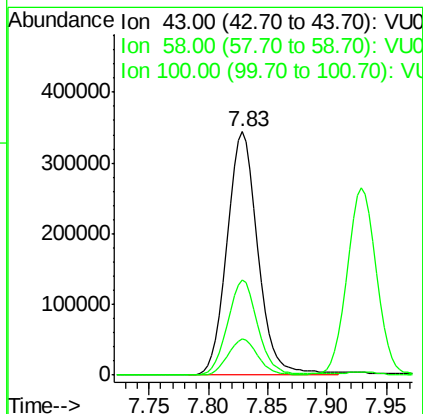
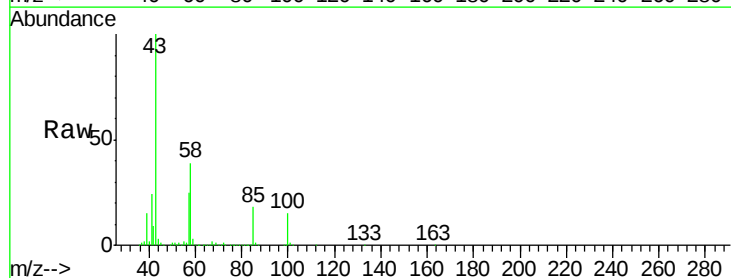
Tgt Ion: 75 Resp: 344381
 Ion Ratio Lower Upper
 75 100
 77 31.5 21.8 40.4

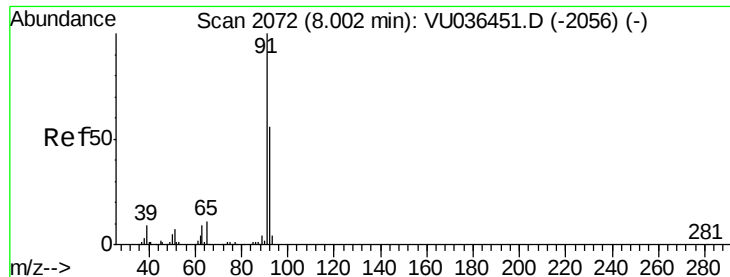


#40

4-Methyl-2-pentanone
 Concen: 92.816 ug/L
 RT: 7.83 min Scan# 2018
 Delta R.T. -0.00 min
 Lab File: VU036462.D
 Acq: 15 Jan 2020 10:28

Tgt Ion: 43 Resp: 619580
 Ion Ratio Lower Upper
 43 100
 58 38.1 32.0 48.0
 100 14.5 11.4 17.0





#42

Toluene

Concen: 50.565 ug/L

RT: 8.00 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VU036462.D

Acq: 15 Jan 2020 10:28

Instrument :

MSVOA_U

ClientSampleId :

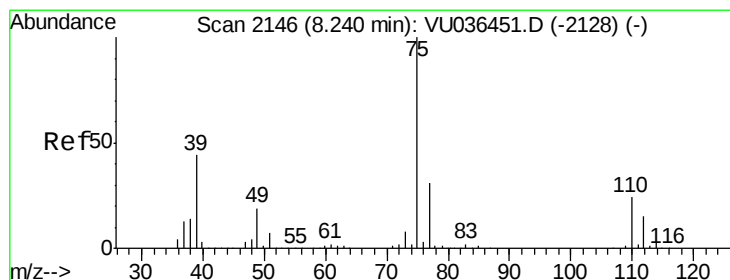
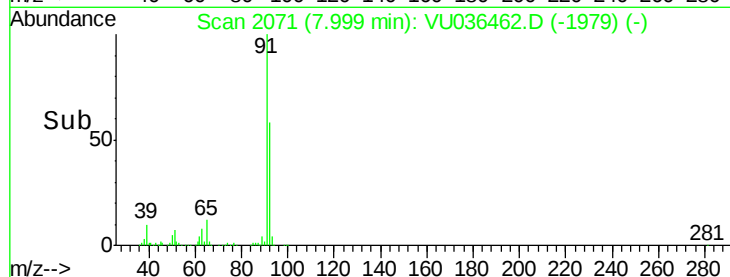
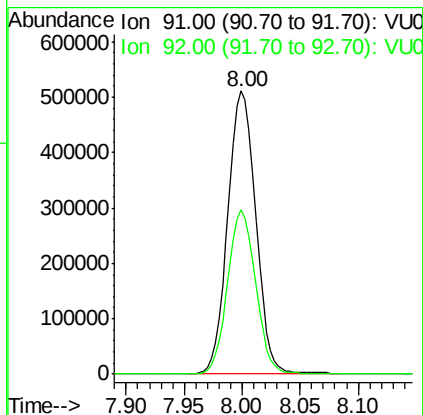
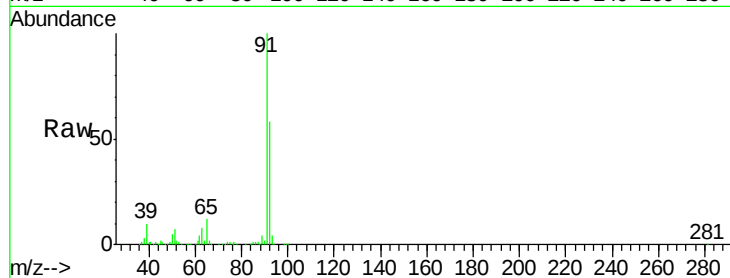
BFB40

Tgt Ion: 91 Resp: 859869

Ion Ratio Lower Upper

91 100

92 57.9 39.5 73.3



#44

trans-1,3-Dichloropropene

Concen: 49.988 ug/L

RT: 8.24 min Scan# 2146

Delta R.T. -0.00 min

Lab File: VU036462.D

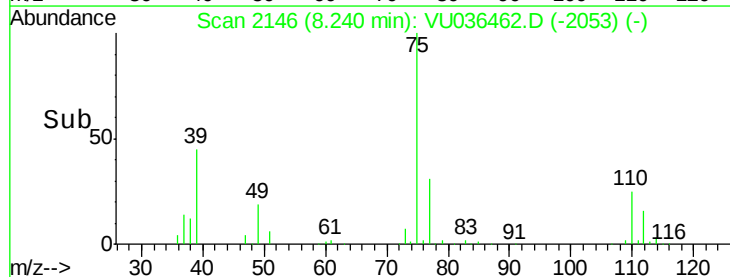
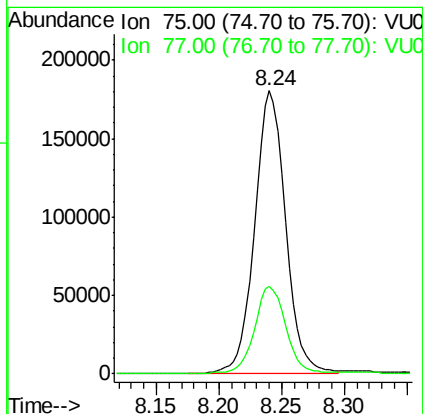
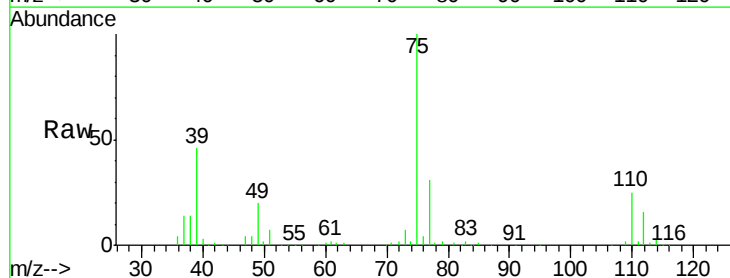
Acq: 15 Jan 2020 10:28

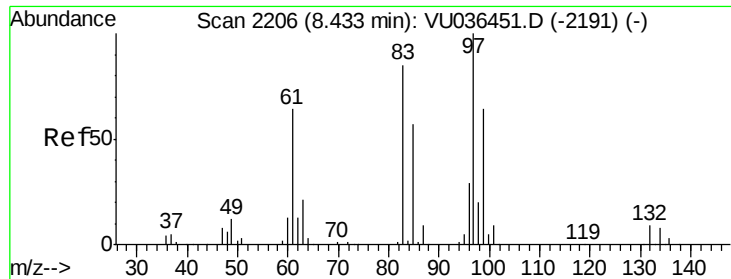
Tgt Ion: 75 Resp: 311067

Ion Ratio Lower Upper

75 100

77 31.0 21.8 40.4

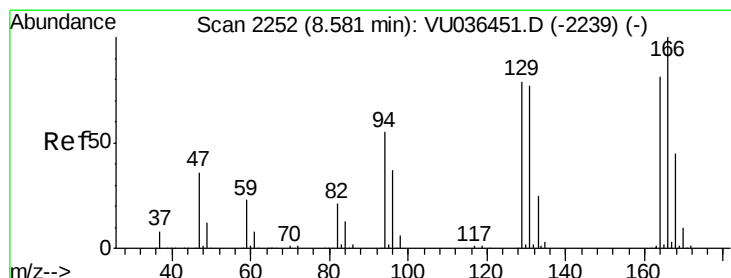
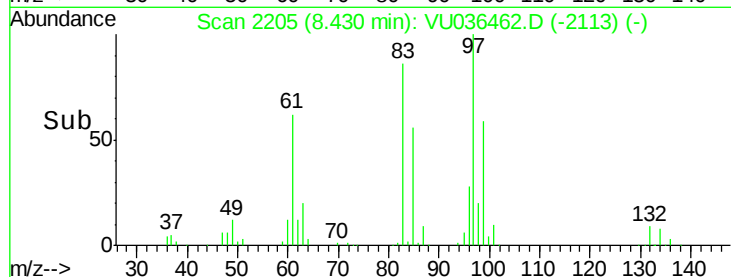
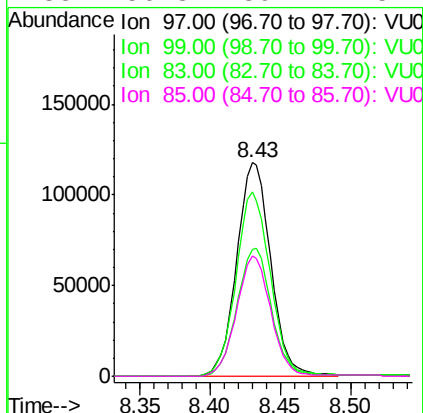
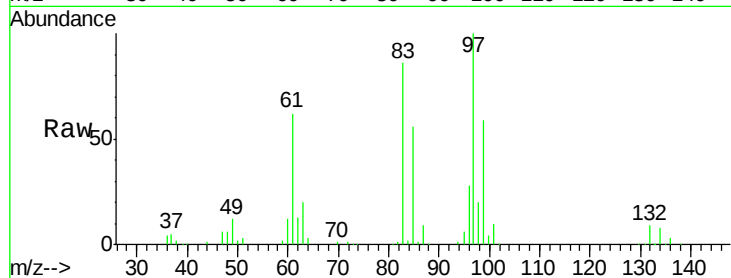




#45
 1,1,2-Trichloroethane
 Concen: 50.351 ug/L
 RT: 8.43 min Scan# 2205
 Delta R.T. -0.00 min
 Lab File: VU036462.D
 Acq: 15 Jan 2020 10:28

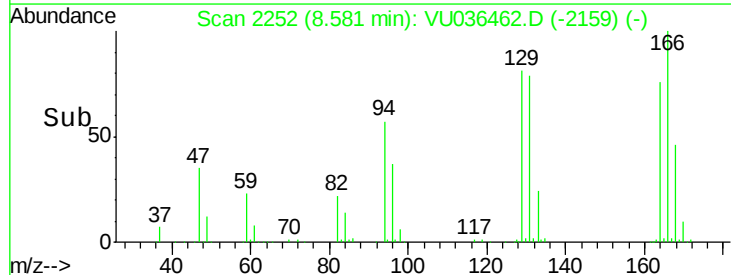
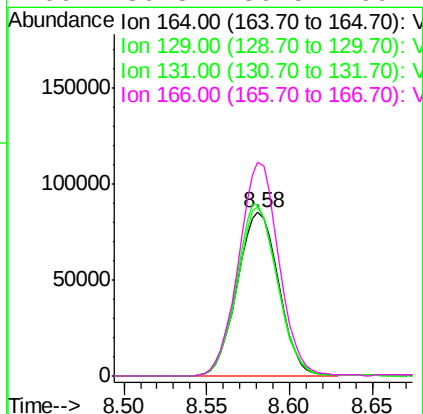
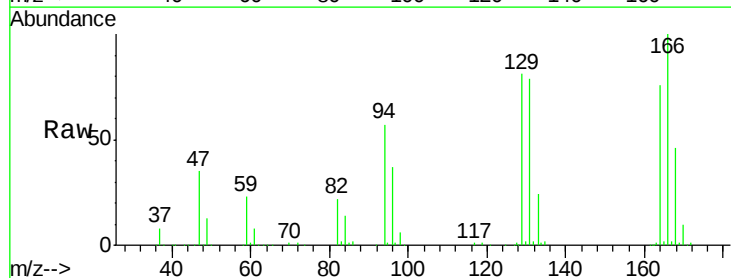
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB40

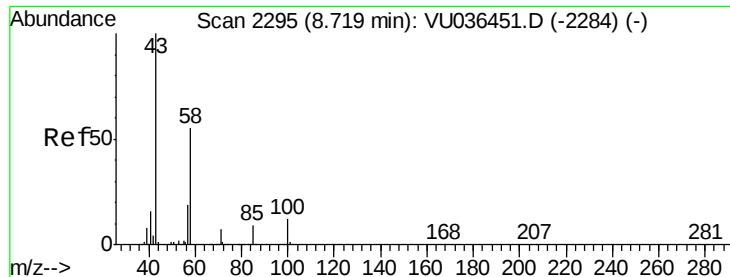
Tgt Ion:	97	Resp:	199706
Ion	Ratio	Lower	Upper
97	100		
99	59.4	44.7	82.9
83	86.2	59.4	110.2
85	56.3	39.7	73.7



#46
 Tetrachloroethene
 Concen: 52.266 ug/L
 RT: 8.58 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VU036462.D
 Acq: 15 Jan 2020 10:28

Tgt Ion:	164	Resp:	148632
Ion	Ratio	Lower	Upper
164	100		
129	105.4	68.1	126.5
131	103.4	66.6	123.6
166	130.8	86.5	160.7

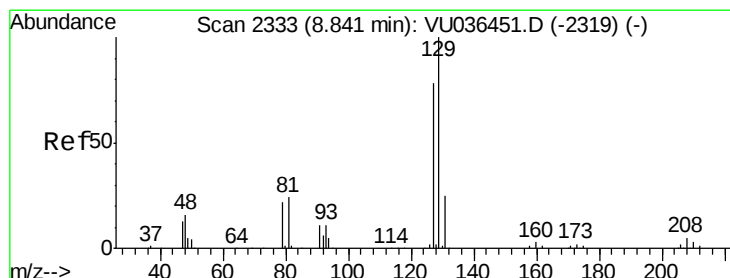
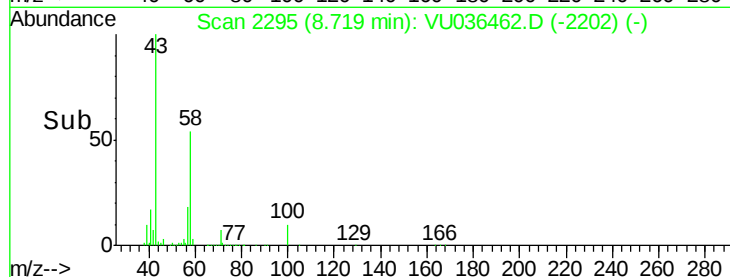
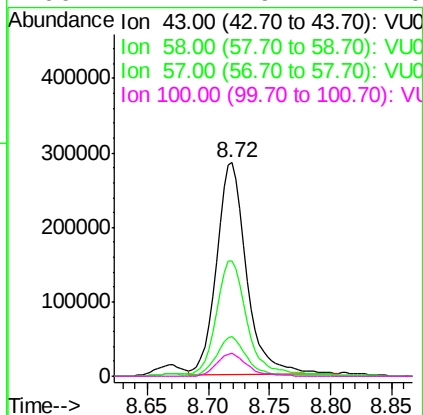
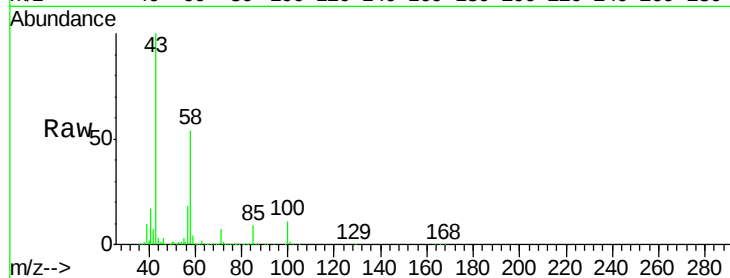




#48
2-Hexanone
Concen: 93.354 ug/L
RT: 8.72 min Scan# 2295
Delta R.T. -0.00 min
Lab File: VU036462.D
Acq: 15 Jan 2020 10:28

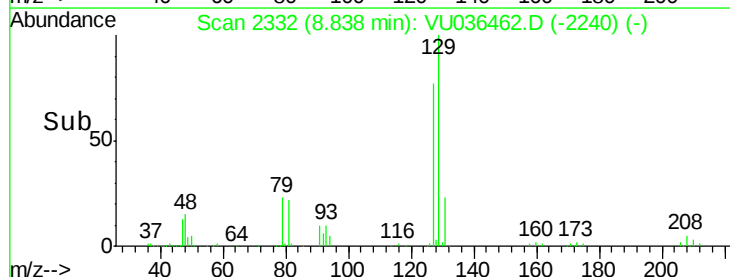
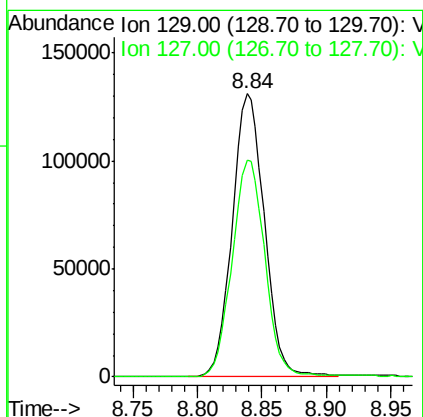
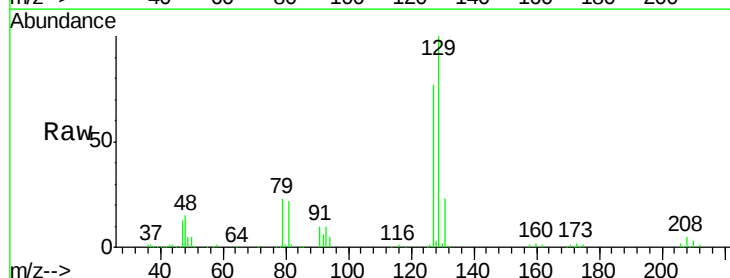
Instrument :
MSVOA_U
ClientSampled :
BFB40

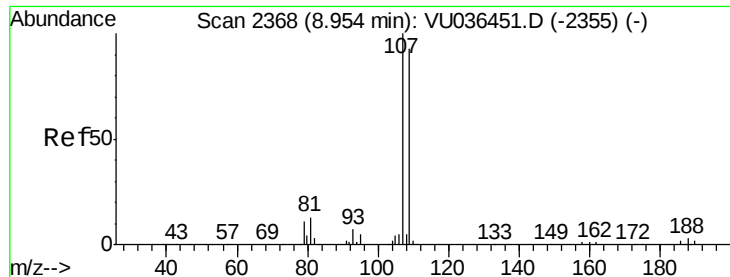
Tgt Ion:	43	Resp:	492867
Ion	Ratio	Lower	Upper
43	100		
58	53.5	43.7	65.5
57	17.8	14.7	22.1
100	11.1	9.4	14.0



#49
Dibromochloromethane
Concen: 51.583 ug/L
RT: 8.84 min Scan# 2332
Delta R.T. -0.00 min
Lab File: VU036462.D
Acq: 15 Jan 2020 10:28

Tgt Ion:	129	Resp:	227579
Ion	Ratio	Lower	Upper
129	100		
127	76.8	54.7	101.7





#50

1,2-Dibromoethane

Concen: 50.326 ug/L

RT: 8.95 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VU036462.D

Acq: 15 Jan 2020 10:28

Instrument :

MSVOA_U

ClientSampleId :

BFB40

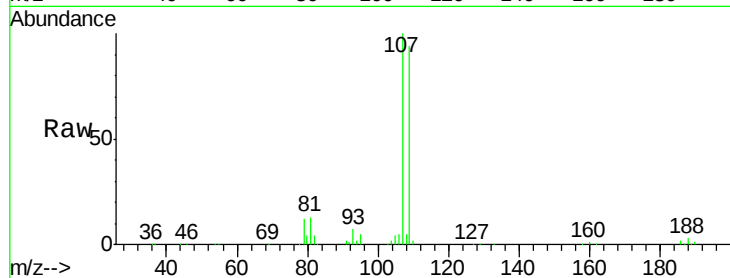
Tgt Ion:107 Resp: 226272

Ion Ratio Lower Upper

107 100

109 94.5 65.0 120.8

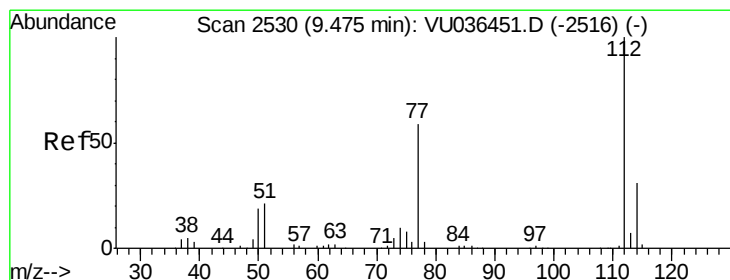
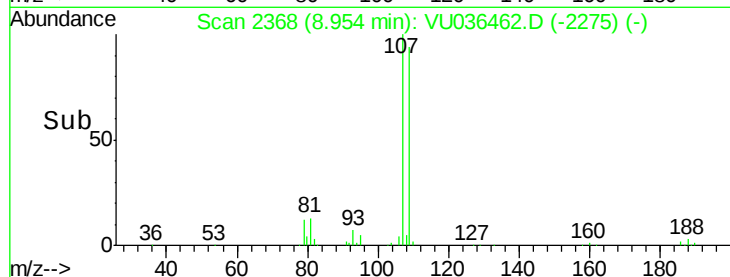
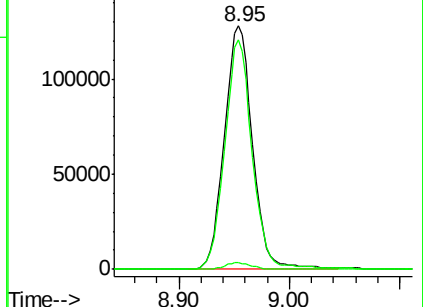
188 2.6 2.6 4.0#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 50.889 ug/L

RT: 9.47 min Scan# 2530

Delta R.T. -0.00 min

Lab File: VU036462.D

Acq: 15 Jan 2020 10:28

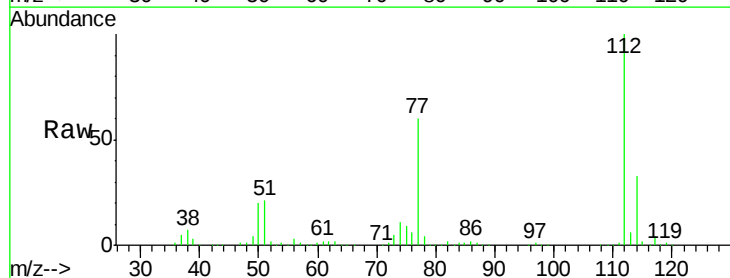
Tgt Ion:112 Resp: 544162

Ion Ratio Lower Upper

112 100

114 32.6 22.0 41.0

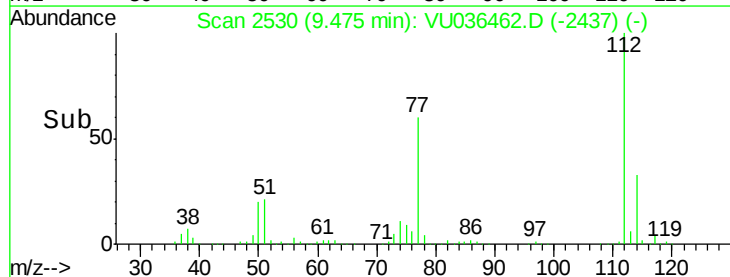
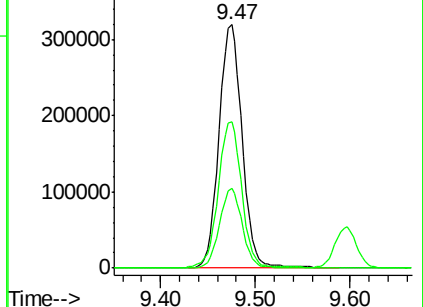
77 60.0 47.8 71.8

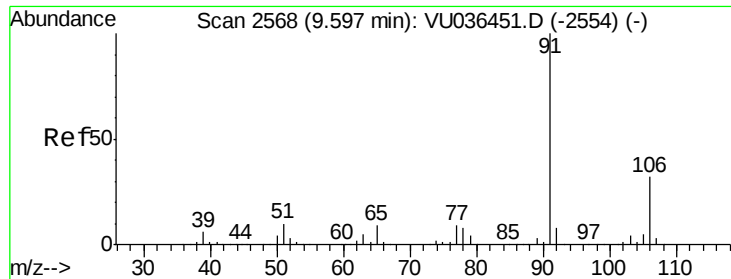


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





#52

Ethylbenzene

Concen: 51.484 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. -0.00 min

Lab File: VU036462.D

Acq: 15 Jan 2020 10:28

Instrument :

MSVOA_U

ClientSampleId :

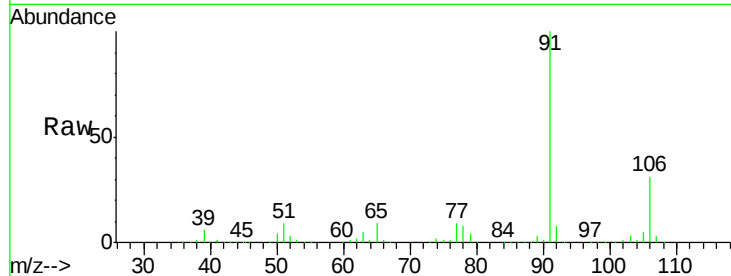
BFB40

Tgt Ion: 91 Resp: 977864

Ion Ratio Lower Upper

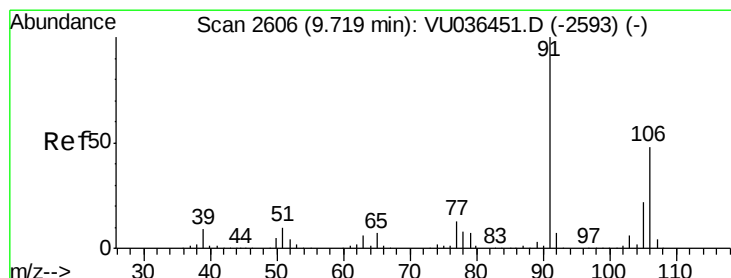
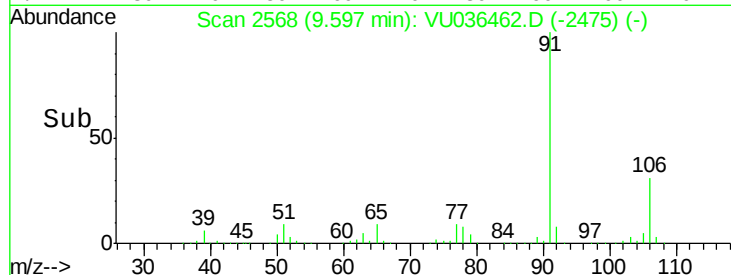
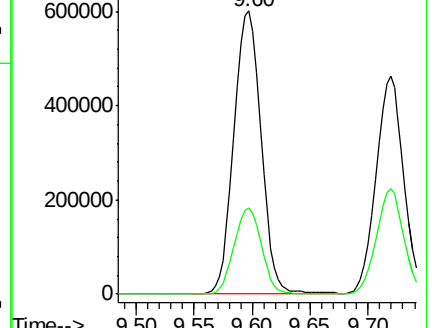
91 100

106 30.6 22.3 41.3



Abundance Ion 91.00 (90.70 to 91.70): VU036451.D (-2554) (-)

Ion 106.00 (105.70 to 106.70): VU036451.D (-2554) (-)



#53

m,p-Xylene

Concen: 52.487 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VU036462.D

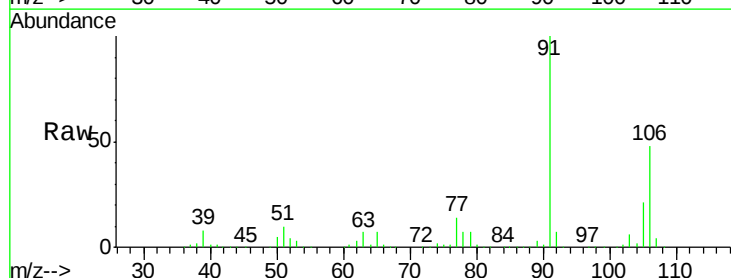
Acq: 15 Jan 2020 10:28

Tgt Ion: 106 Resp: 372796

Ion Ratio Lower Upper

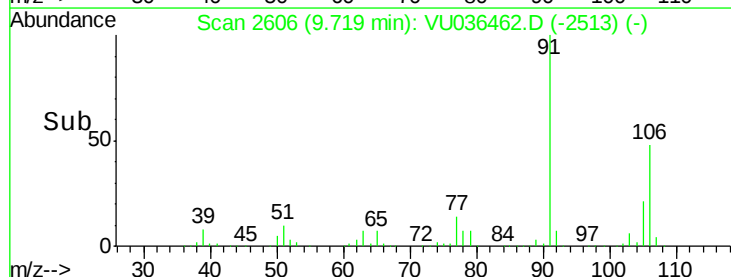
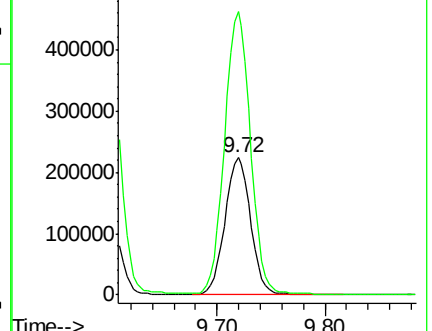
106 100

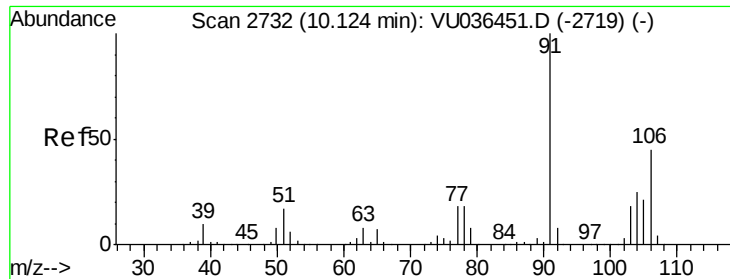
91 206.6 145.9 270.9



Abundance Ion 106.00 (105.70 to 106.70): VU036451.D (-2593) (-)

Ion 91.00 (90.70 to 91.70): VU036451.D (-2593) (-)





#54

o-xylene

Concen: 50.370 ug/L

RT: 10.12 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU036462.D

Acq: 15 Jan 2020 10:28

Instrument :

MSVOA_U

ClientSampled :

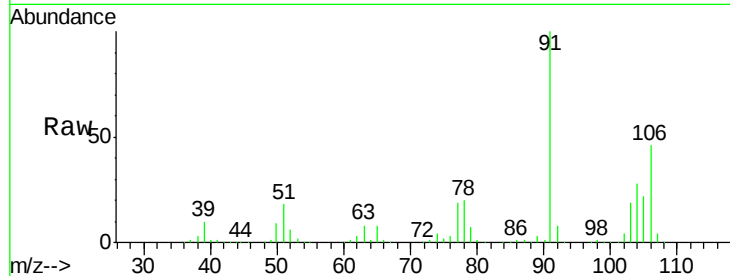
BFB40

Tgt Ion:106 Resp: 357152

Ion Ratio Lower Upper

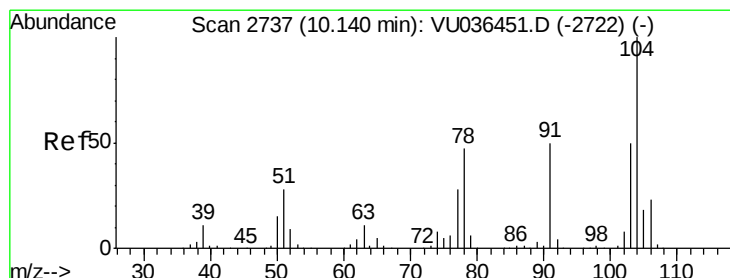
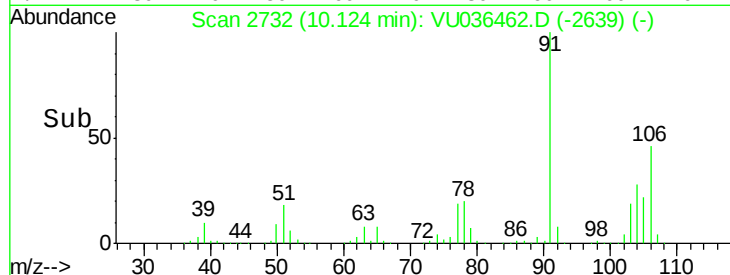
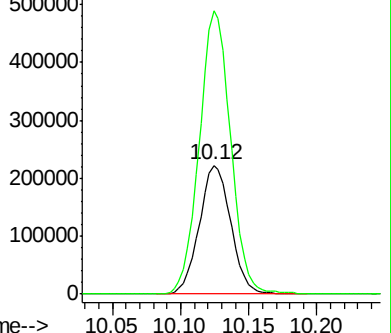
106 100

91 219.7 156.4 290.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 51.602 ug/L

RT: 10.14 min Scan# 2736

Delta R.T. -0.00 min

Lab File: VU036462.D

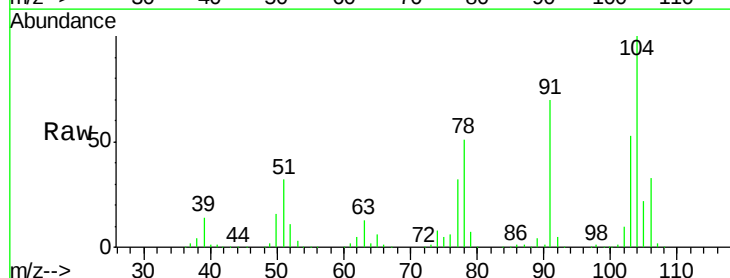
Acq: 15 Jan 2020 10:28

Tgt Ion:104 Resp: 593421

Ion Ratio Lower Upper

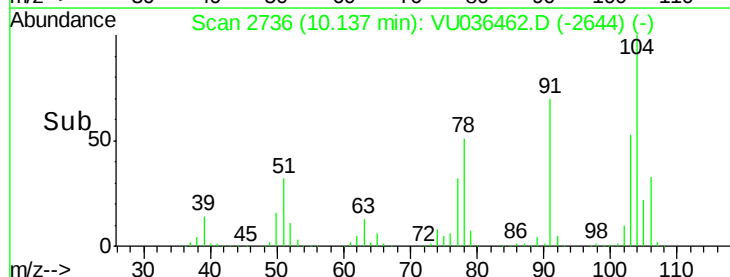
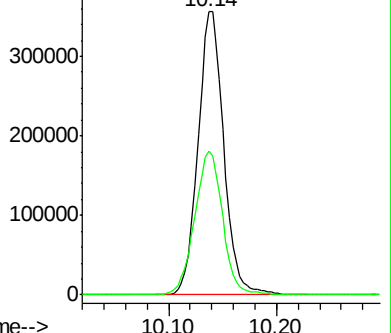
104 100

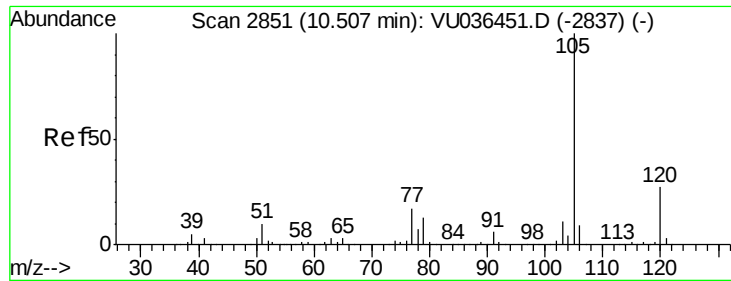
78 50.7 33.2 61.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 52.259 ug/L

RT: 10.51 min Scan# 2851

Delta R.T. -0.00 min

Lab File: VU036462.D

Acq: 15 Jan 2020 10:28

Instrument :

MSVOA_U

ClientSampleId :

BFB40

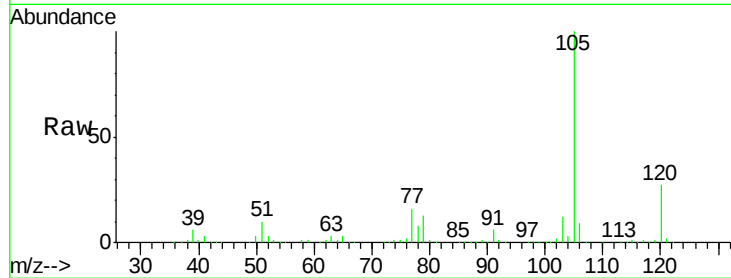
Tgt Ion: 105 Resp: 951039

Ion Ratio Lower Upper

105 100

120 26.6 21.5 32.3

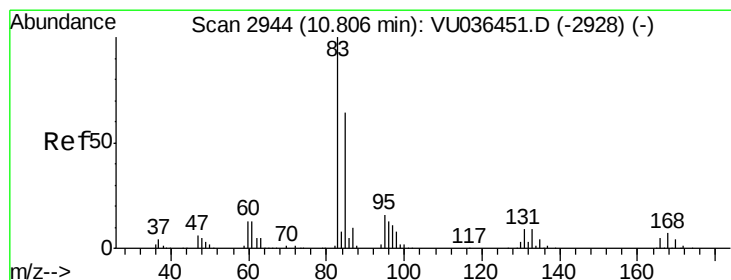
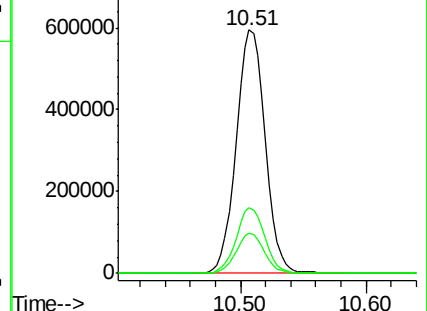
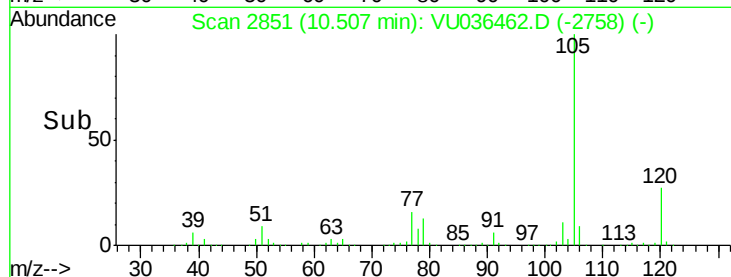
77 15.9 13.4 20.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 50.823 ug/L

RT: 10.81 min Scan# 2944

Delta R.T. -0.00 min

Lab File: VU036462.D

Acq: 15 Jan 2020 10:28

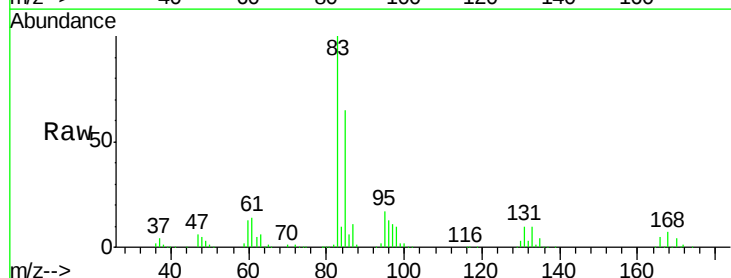
Tgt Ion: 83 Resp: 350543

Ion Ratio Lower Upper

83 100

85 64.7 44.7 82.9

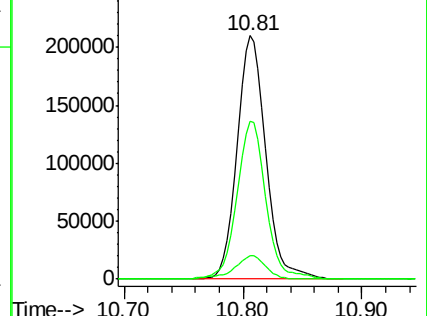
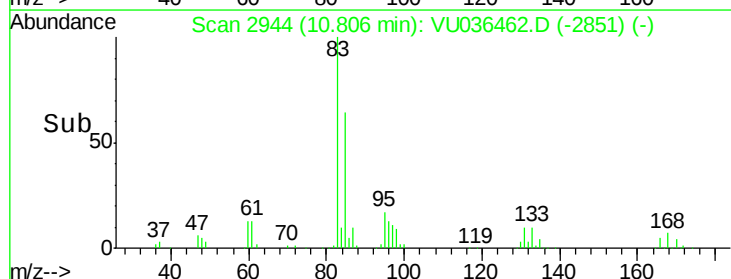
131 9.6 7.0 10.6

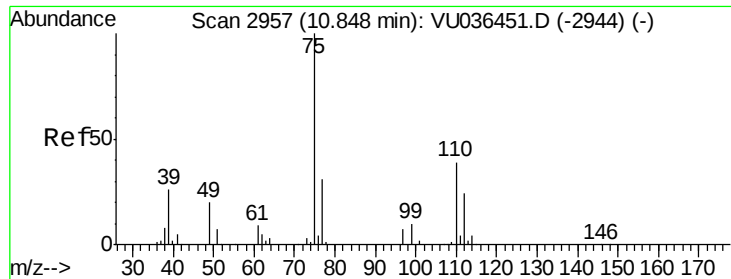


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

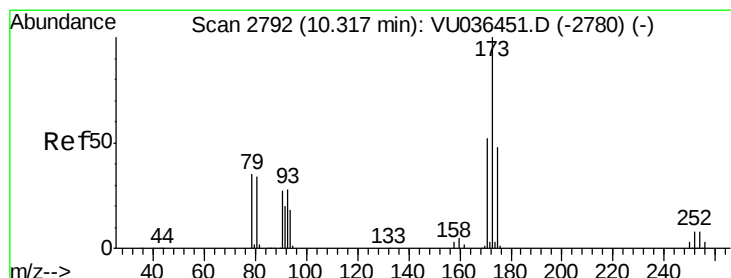
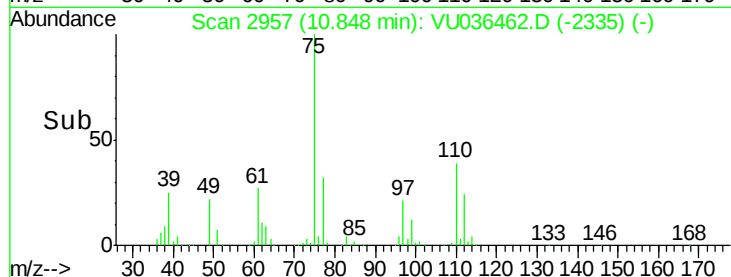
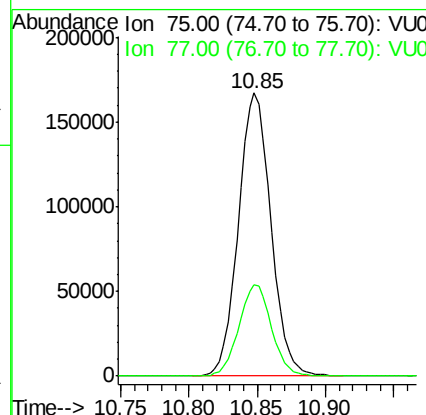
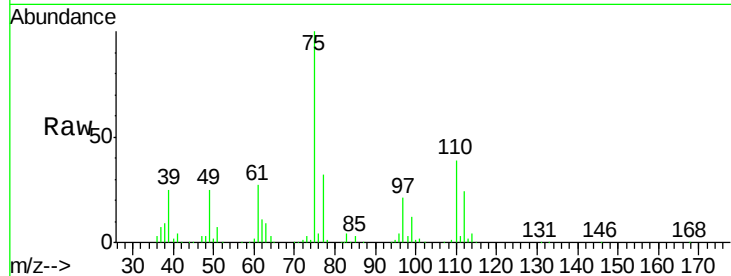




#59
 1,2,3-Trichloropropane
 Concen: 48.347 ug/L
 RT: 10.85 min Scan# 2957
 Delta R.T. -0.00 min
 Lab File: VU036462.D
 Acq: 15 Jan 2020 10:28

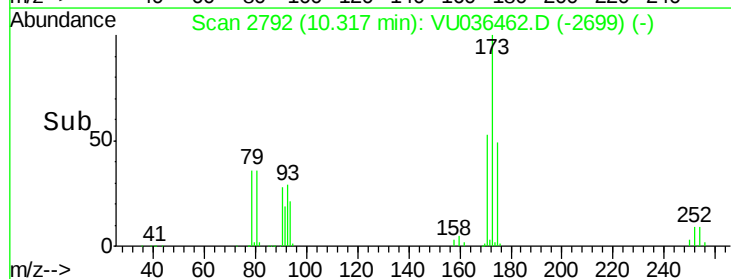
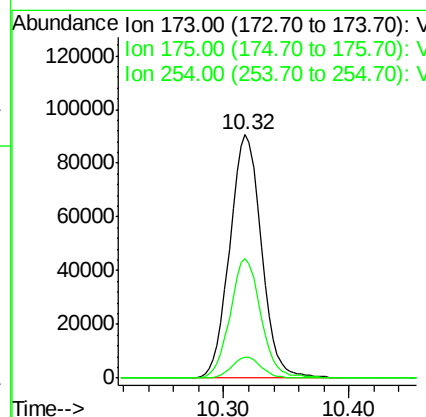
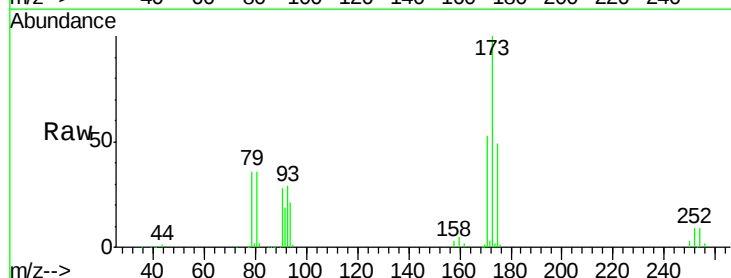
Instrument :
 MSVOA_U
 ClientSampled :
 BFB40

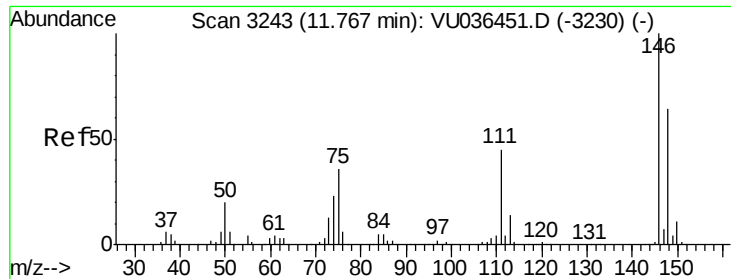
Tgt Ion: 75 Resp: 276648
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.0 37.4



#61
 Bromoform
 Concen: 46.489 ug/L
 RT: 10.32 min Scan# 2792
 Delta R.T. -0.00 min
 Lab File: VU036462.D
 Acq: 15 Jan 2020 10:28

Tgt Ion: 173 Resp: 159106
 Ion Ratio Lower Upper
 173 100
 175 47.8 39.6 59.4
 254 8.0 6.3 9.5





#62

1,3-Dichlorobenzene

Concen: 50.062 ug/L

RT: 11.77 min Scan# 3243

Delta R.T. -0.00 min

Lab File: VU036462.D

Acq: 15 Jan 2020 10:28

Instrument :

MSVOA_U

ClientSampleId :

BFB40

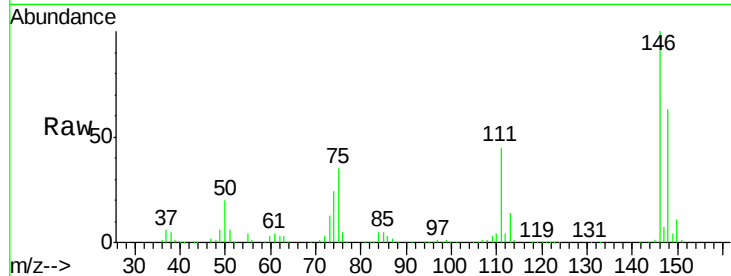
Tgt Ion:146 Resp: 396162

Ion Ratio Lower Upper

146 100

111 44.7 31.3 58.1

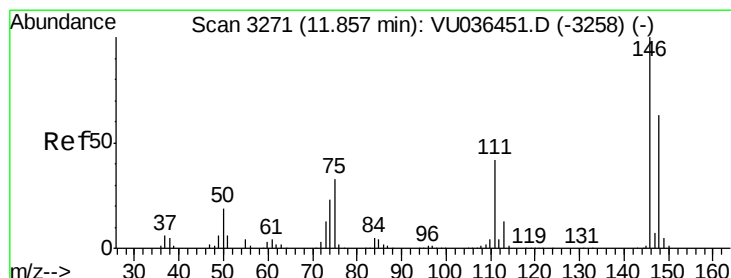
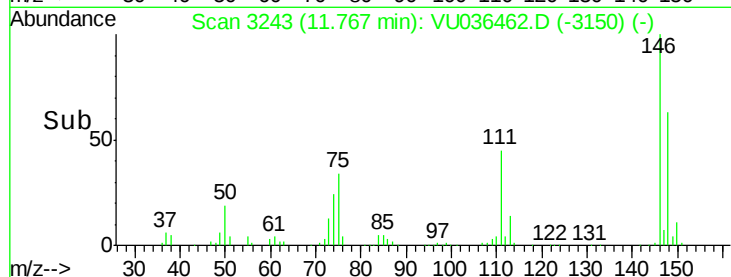
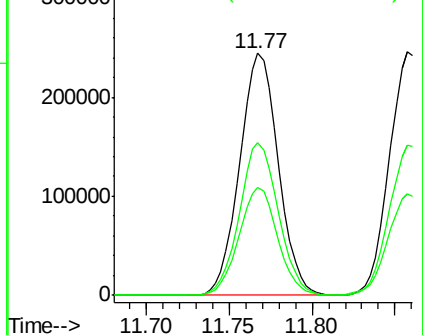
148 63.4 44.7 82.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 50.442 ug/L

RT: 11.86 min Scan# 3271

Delta R.T. -0.00 min

Lab File: VU036462.D

Acq: 15 Jan 2020 10:28

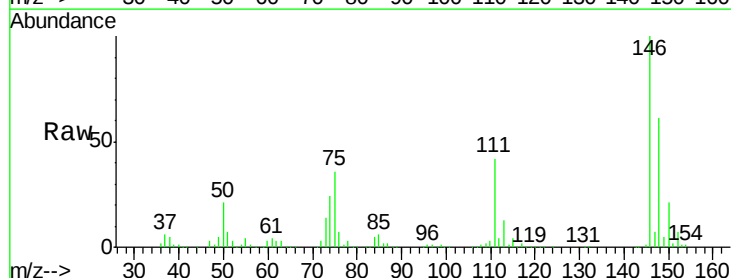
Tgt Ion:146 Resp: 401086

Ion Ratio Lower Upper

146 100

111 41.7 29.3 54.3

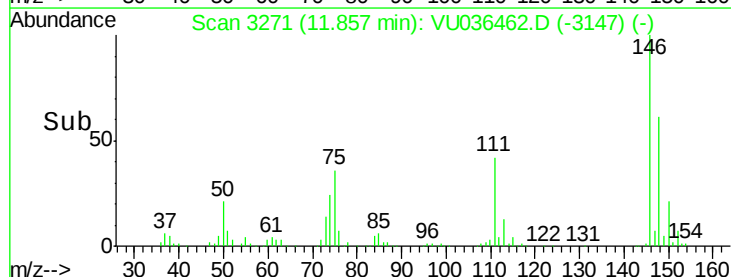
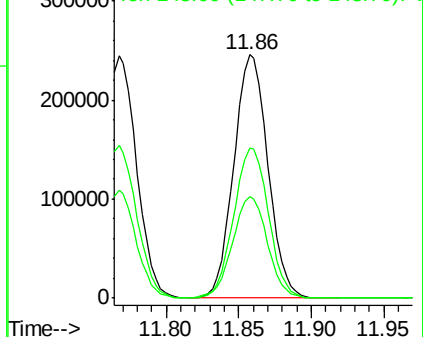
148 61.5 43.8 81.3

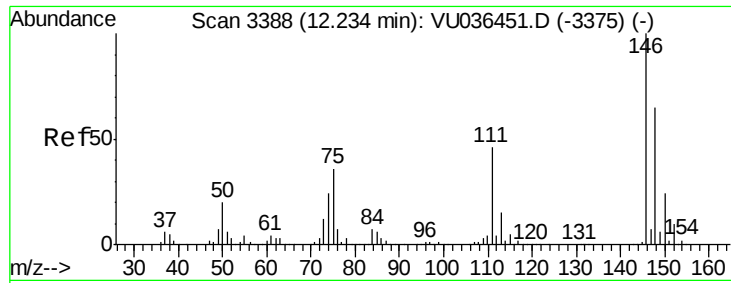


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 50.522 ug/L

RT: 12.23 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VU036462.D

Acq: 15 Jan 2020 10:28

Instrument :

MSVOA_U

ClientSampleId :

BFB40

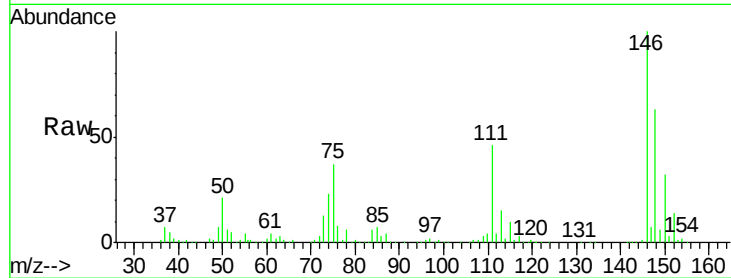
Tgt Ion:146 Resp: 394356

Ion Ratio Lower Upper

146 100

111 46.3 37.0 55.4

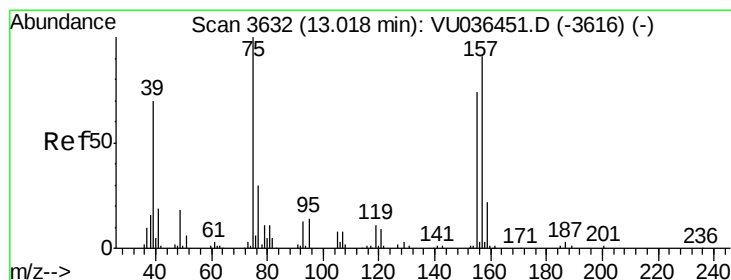
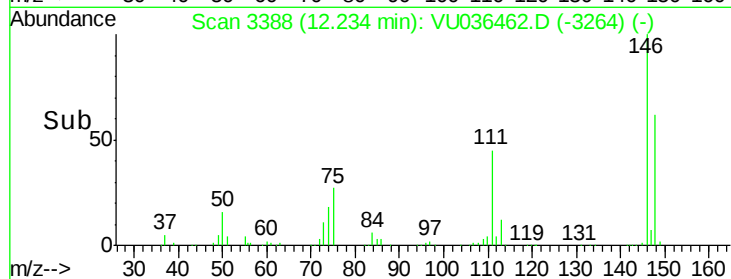
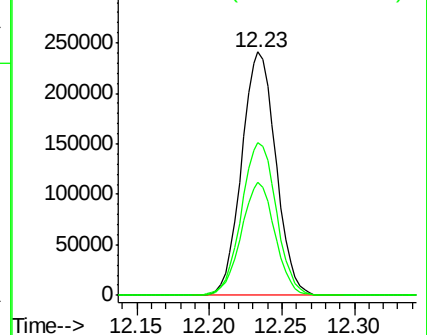
148 62.6 52.3 78.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 46.053 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. -0.00 min

Lab File: VU036462.D

Acq: 15 Jan 2020 10:28

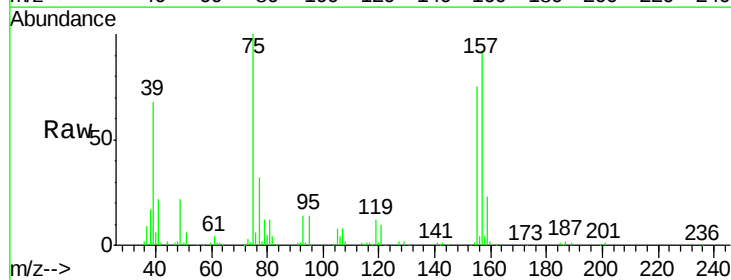
Tgt Ion: 75 Resp: 79050

Ion Ratio Lower Upper

75 100

155 74.5 59.1 88.7

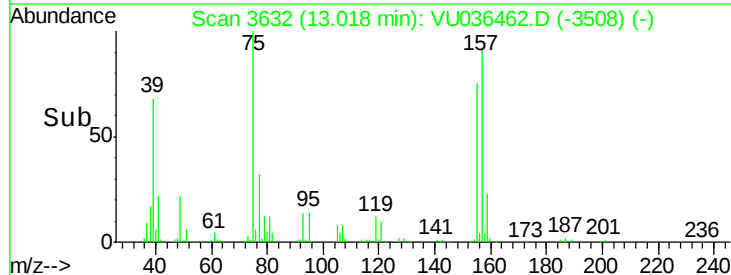
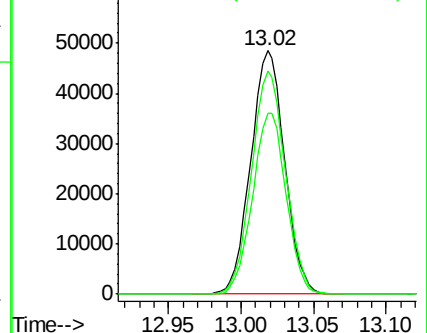
157 91.9 72.7 109.1

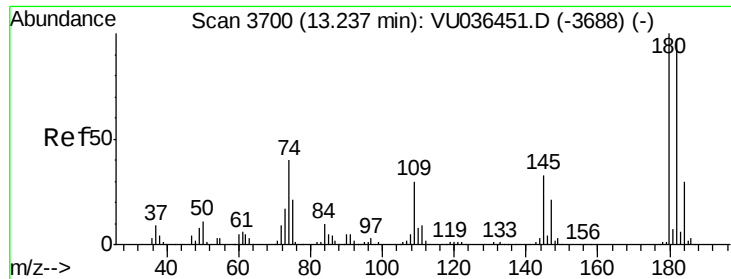


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

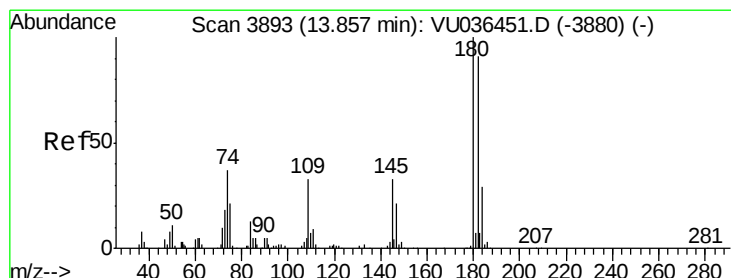
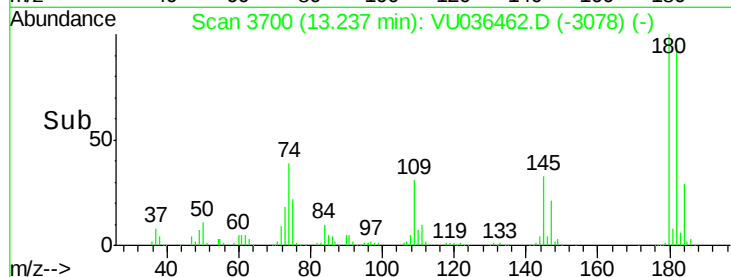
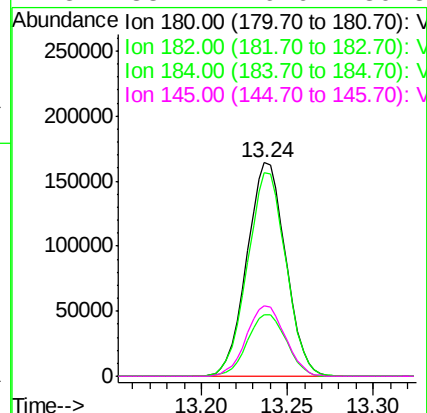
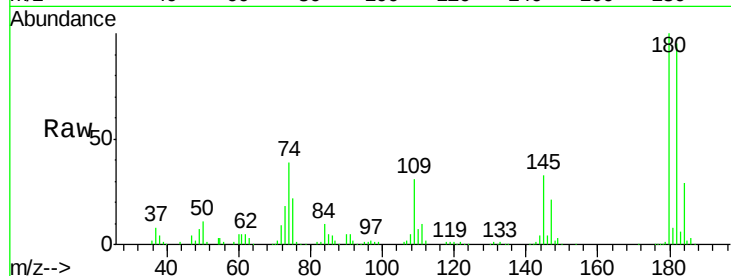




#67
 1,3,5-Trichlorobenzene
 Concen: 53.703 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.00 min
 Lab File: VU036462.D
 Acq: 15 Jan 2020 10:28

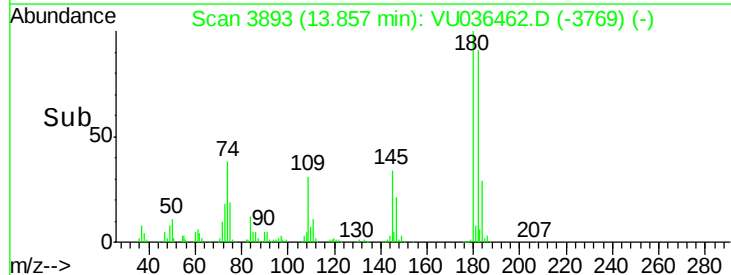
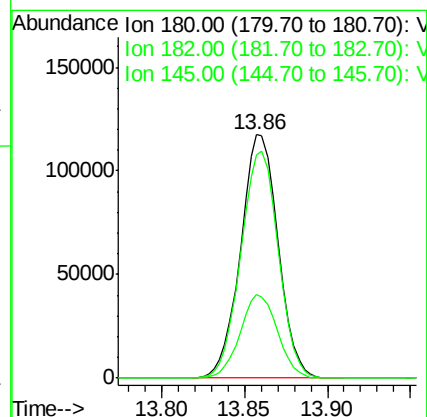
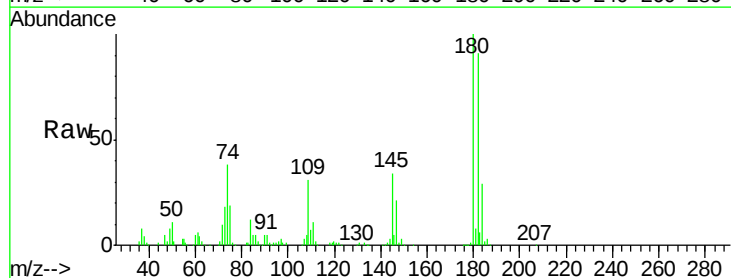
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB40

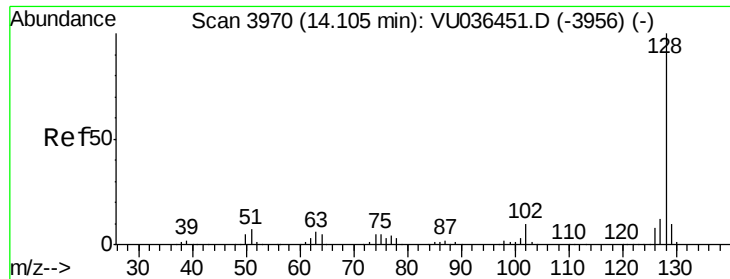
Tgt Ion:	180	Resp:	256981
Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.8	113.6
184	29.1	24.4	36.6
145	33.2	26.6	39.8



#68
 1,2,4-trichlorobenzene
 Concen: 52.392 ug/L
 RT: 13.86 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU036462.D
 Acq: 15 Jan 2020 10:28

Tgt Ion:	180	Resp:	184758
Ion	Ratio	Lower	Upper
180	100		
182	93.4	74.1	111.1
145	34.2	26.6	40.0





#69

Naphthalene

Concen: 47.626 ug/L

RT: 14.10 min Scan# 3970

Delta R.T. -0.00 min

Lab File: VU036462.D

Acq: 15 Jan 2020 10:28

Instrument :

MSVOA_U

ClientSampleId :

BFB40

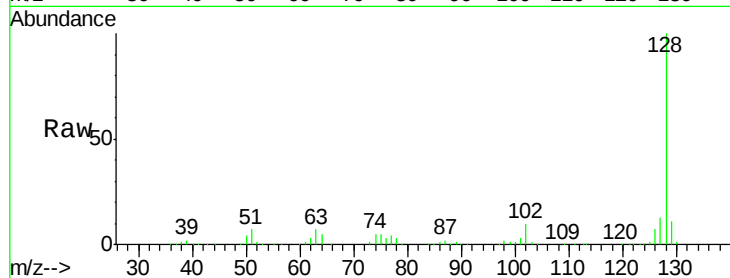
Tgt Ion:128 Resp: 567521

Ion Ratio Lower Upper

128 100

127 12.9 10.0 15.0

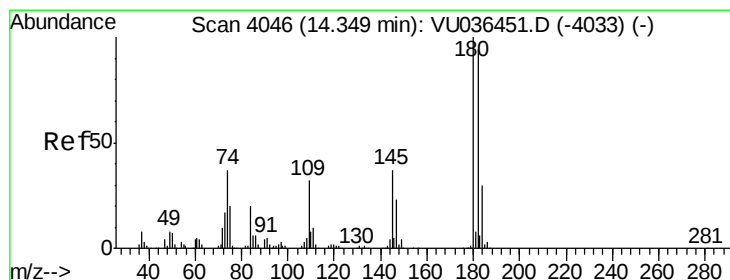
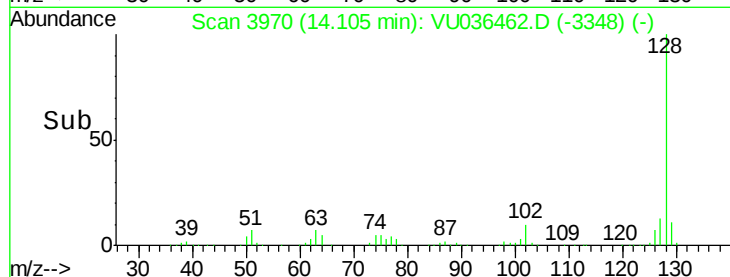
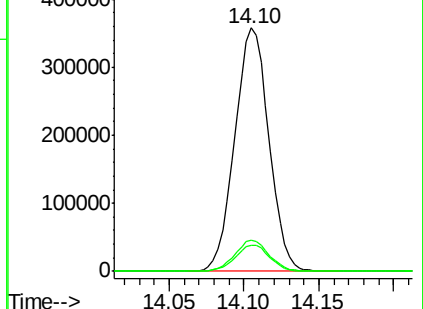
129 10.8 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 50.331 ug/L

RT: 14.35 min Scan# 4045

Delta R.T. -0.00 min

Lab File: VU036462.D

Acq: 15 Jan 2020 10:28

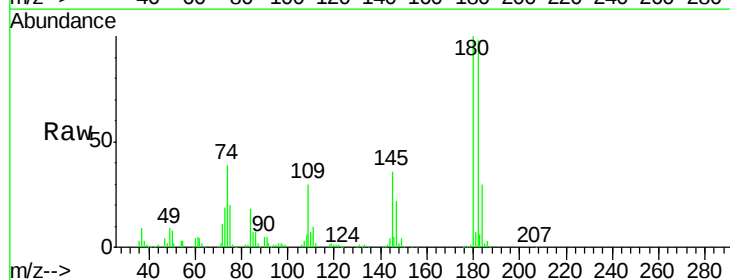
Tgt Ion:180 Resp: 184130

Ion Ratio Lower Upper

180 100

182 96.3 77.1 115.7

145 35.3 29.2 43.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

