

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061520\
 Data File : VU038891.D
 Acq On : 15 Jun 2020 14:31
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB13

Quant Time: Jun 16 01:51:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061520WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 16 01:49:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	278916	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	276092	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	144022	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	65576	4.72	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.40%
7) Chloroethane-d5	1.93	69	64577	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.60%
11) 1,1-Dichloroethene-d2	2.59	63	159702	4.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.80%
20) 2-Butanone-d5	4.68	46	253057	50.31	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.62%
24) Chloroform-d	5.10	84	168861	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
26) 1,2-Dichloroethane-d4	5.74	65	93260	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.40%
32) Benzene-d6	5.76	84	311056	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
36) 1,2-Dichloropropane-d6	6.72	67	96346	5.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.60%
41) Toluene-d8	7.92	98	290008	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
43) trans-1,3-Dichloropropene-	8.20	79	42571	5.03	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.60%
46) 2-Hexanone-d5	8.65	63	208249	49.89	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.78%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	84960	4.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.60%
64) 1,2-Dichlorobenzene-d4	12.20	152	110254	4.48	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	126496	4.660 ug/L	98
3) Chloromethane	1.53	50	111848	4.939 ug/L	98
5) Vinyl chloride	1.62	62	115641	4.841 ug/L	98
6) Bromomethane	1.87	94	71683	4.886 ug/L	98
8) Chloroethane	1.95	64	83145	4.681 ug/L	99
9) Trichlorofluoromethane	2.16	101	206106	4.967 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	95516	4.641 ug/L	98
12) 1,1-Dichloroethene	2.60	96	94746	4.807 ug/L	96
13) Acetone	2.68	43	203523	49.445 ug/L	100
14) Carbon disulfide	2.82	76	315806	4.826 ug/L	99
15) Methyl Acetate	2.99	43	48040	4.784 ug/L	96
16) Methylene chloride	3.08	84	112148	4.949 ug/L	92
17) Methyl tert-butyl Ether	3.40	73	252175	5.014 ug/L	100
18) trans-1,2-Dichloroethene	3.39	96	101465	4.859 ug/L	99
19) 1,1-Dichloroethane	3.91	63	187732	4.904 ug/L	99
21) 2-Butanone	4.76	43	331104	49.483 ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	108381	4.963 ug/L	100

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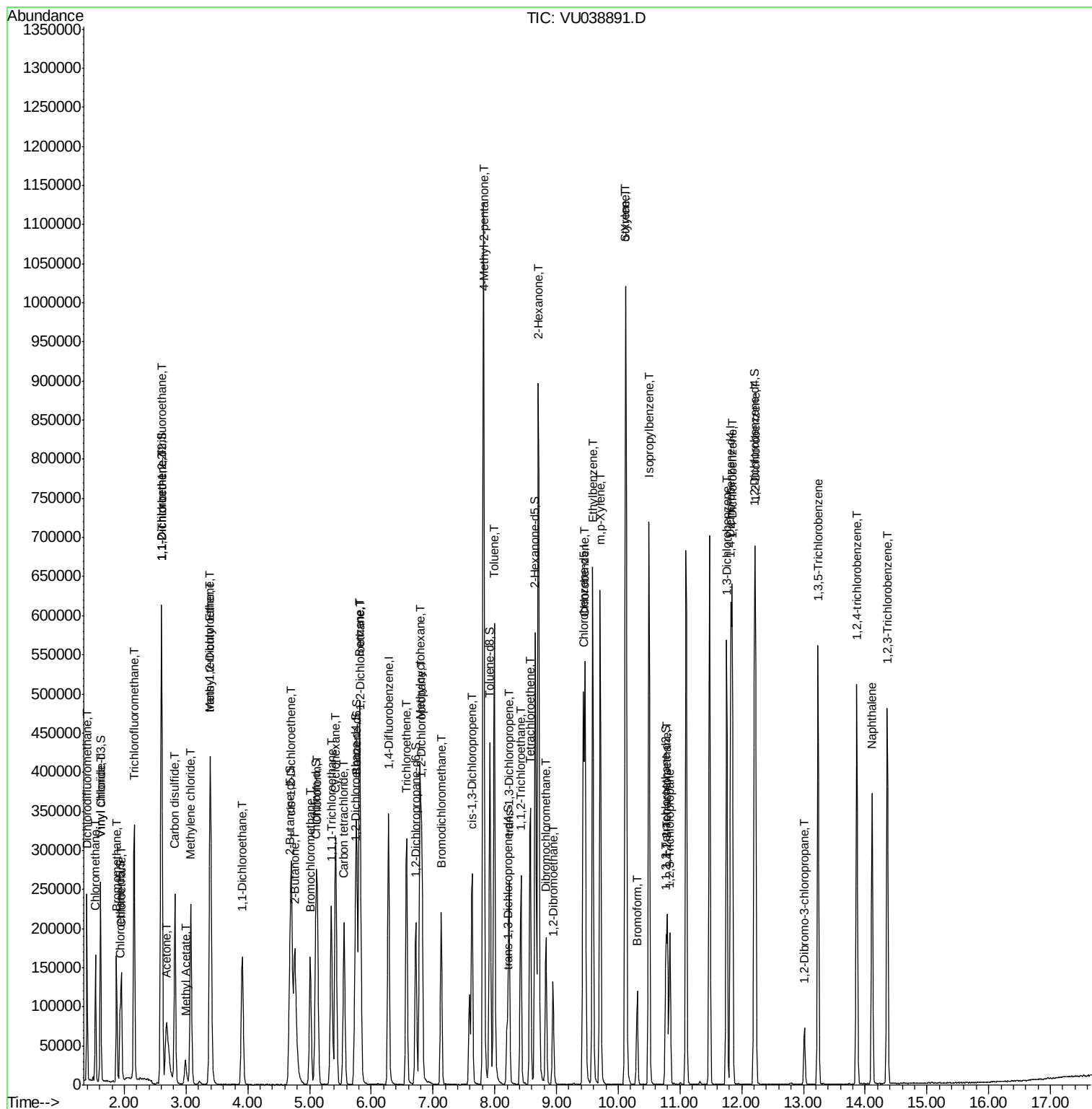
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	50867	4.920	ug/L	98
25) Chloroform	5.13	83	194485	4.875	ug/L	100
27) 1,2-Dichloroethane	5.83	62	138569	4.893	ug/L	96
29) 1,1,1-Trichloroethane	5.35	97	170465	4.984	ug/L	98
30) Cyclohexane	5.42	56	152400	4.947	ug/L	99
31) Carbon tetrachloride	5.56	117	141160	4.850	ug/L	99
33) Benzene	5.81	78	418086	5.099	ug/L	100
34) Trichloroethene	6.57	95	104738	4.891	ug/L	99
35) Methylcyclohexane	6.79	83	152860	4.792	ug/L	97
37) 1,2-Dichloropropane	6.82	63	105700	4.995	ug/L	100
38) Bromodichloromethane	7.13	83	139758	5.023	ug/L	98
39) cis-1,3-Dichloropropene	7.63	75	156274	5.164	ug/L	97
40) 4-Methyl-2-pentanone	7.82	43	737750	51.112	ug/L	100
42) Toluene	7.99	91	434525	5.027	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	140252	5.067	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	84069	5.197	ug/L	95
47) Tetrachloroethene	8.57	164	79940	4.871	ug/L	99
48) 2-Hexanone	8.71	43	564773	49.357	ug/L	100
49) Dibromochloromethane	8.83	129	96451	5.139	ug/L	94
50) 1,2-Dibromoethane	8.94	107	78491	5.006	ug/L	94
51) Chlorobenzene	9.47	112	278904	4.959	ug/L	99
52) Ethylbenzene	9.59	91	465814	4.844	ug/L	98
53) m,p-Xylene	9.71	106	184884	5.116	ug/L	97
54) o-Xylene	10.11	106	175585	5.050	ug/L	99
55) Styrene	10.13	104	307790	5.097	ug/L	99
56) Isopropylbenzene	10.50	105	457651	5.069	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	101210	4.881	ug/L	98
59) 1,2,3-Trichloropropane	10.84	75	79048	4.847	ug/L	98
61) Bromoform	10.31	173	52899	4.819	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	227930	5.020	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	228142	4.960	ug/L	98
65) 1,2-Dichlorobenzene	12.22	146	217400	4.818	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	19374	4.849	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	169316	4.949	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	150547	5.254	ug/L	100
69) Naphthalene	14.11	128	295505	5.485	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	144792	5.400	ug/L	99

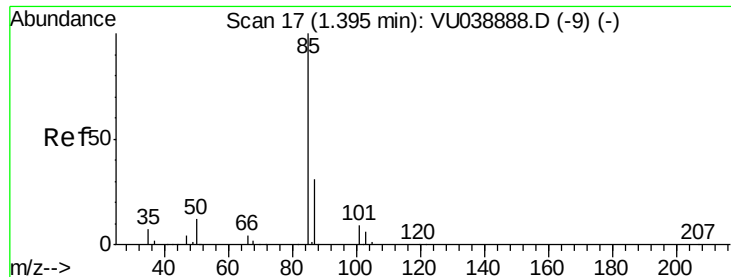
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.660 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038891.D

Acq: 15 Jun 2020 14:31

Instrument :

MSVOA_U

ClientSampleId :

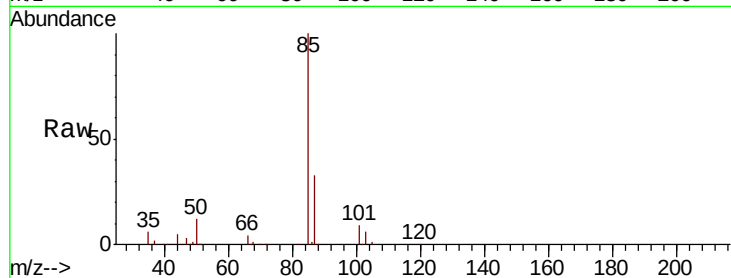
BFB13

Tot Ion: 85 Resp: 126496

Ion Ratio Lower Upper

85 100

87 32.5 25.0 37.6



Abundance Ion 85.00 (84.70 to 85.70): VU038888.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU038888.D (-9) (-)

1.39

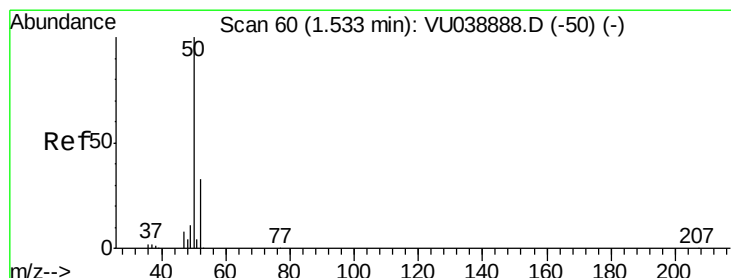
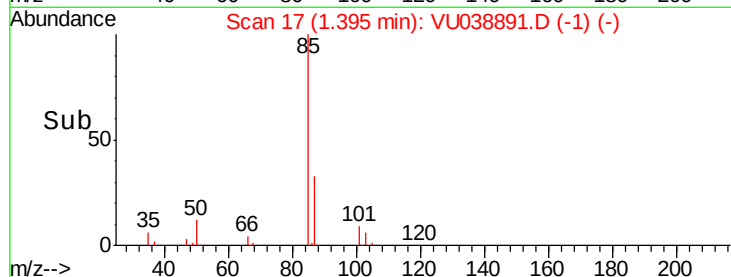
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.939 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU038891.D

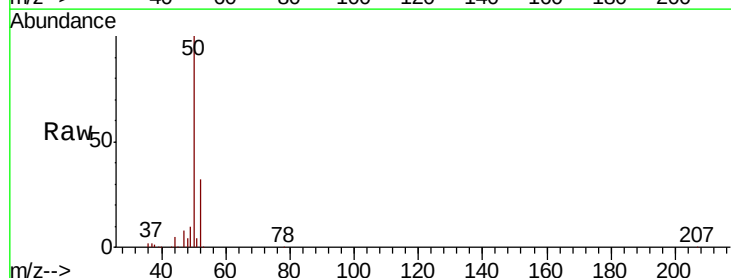
Acq: 15 Jun 2020 14:31

Tgt Ion: 50 Resp: 111848

Ion Ratio Lower Upper

50 100

52 31.5 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU038888.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU038888.D (-50) (-)

1.53

100000

80000

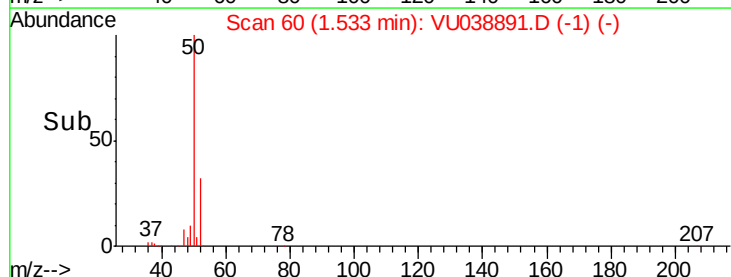
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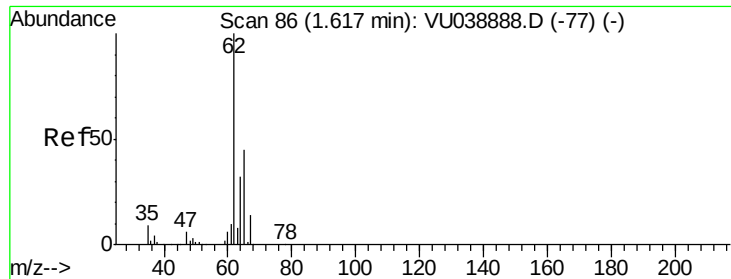
40000

20000

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Time-->





#5

Vinyl chloride

Concen: 4.841 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038891.D

Acq: 15 Jun 2020 14:31

Instrument :

MSVOA_U

ClientSampleId :

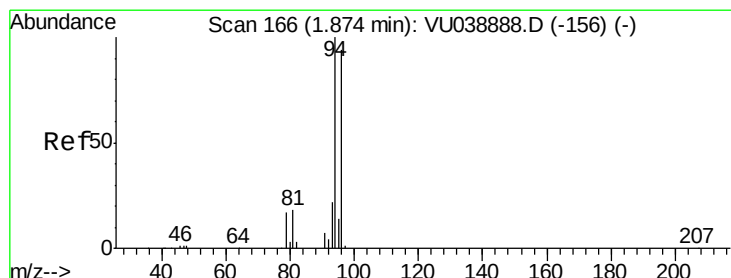
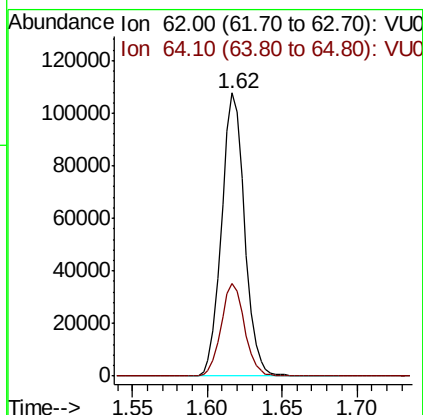
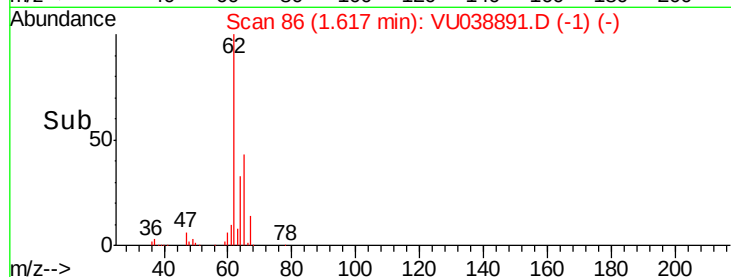
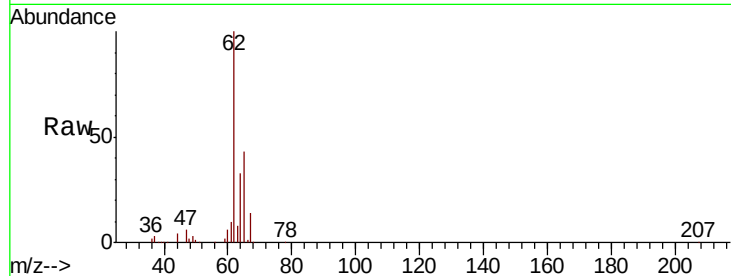
BFB13

Tot Ion: 62 Resp: 115641

Ion Ratio Lower Upper

62 100

64 33.0 22.2 41.2



#6

Bromomethane

Concen: 4.886 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU038891.D

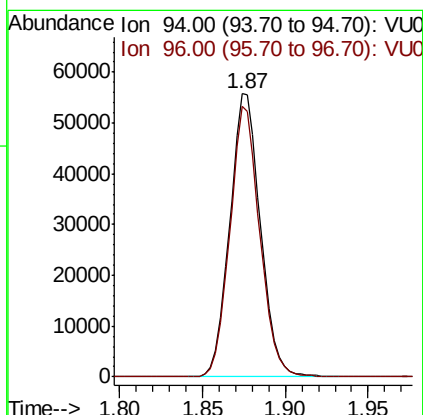
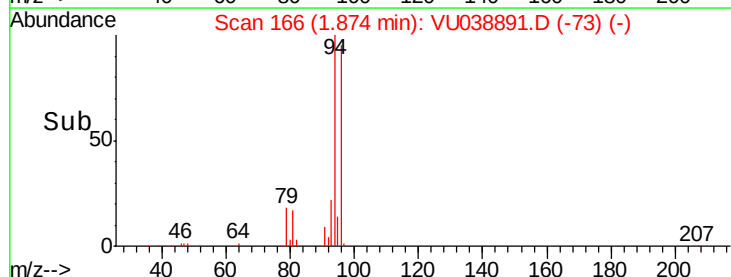
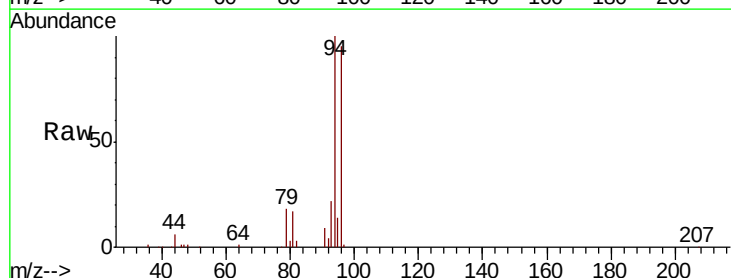
Acq: 15 Jun 2020 14:31

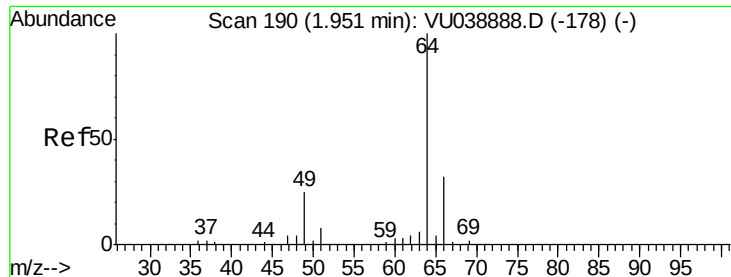
Tgt Ion: 94 Resp: 71683

Ion Ratio Lower Upper

94 100

96 95.5 65.5 121.7

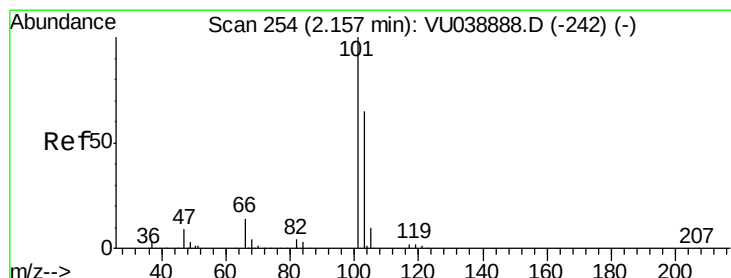
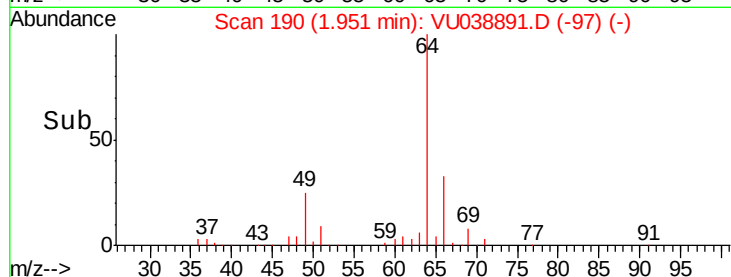
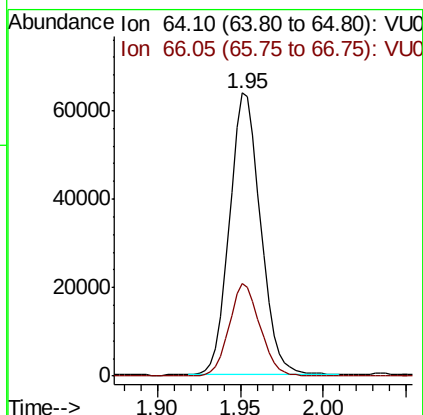
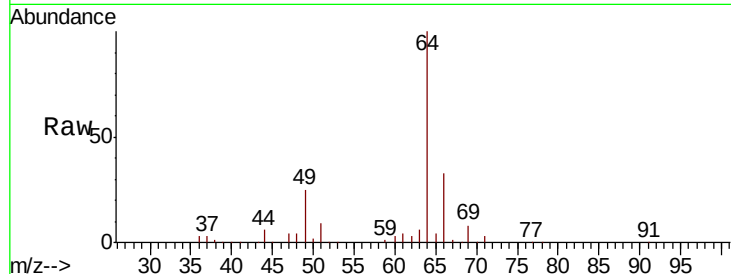




#8
Chloroethane
Concen: 4.681 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU038891.D
Acq: 15 Jun 2020 14:31

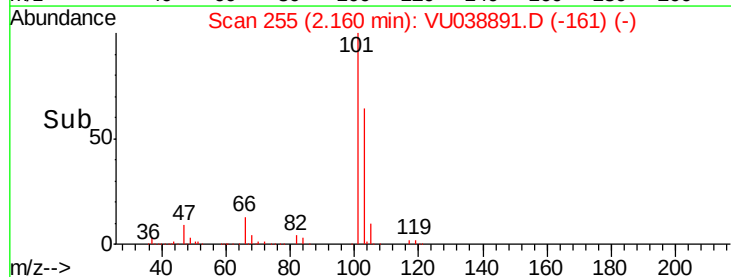
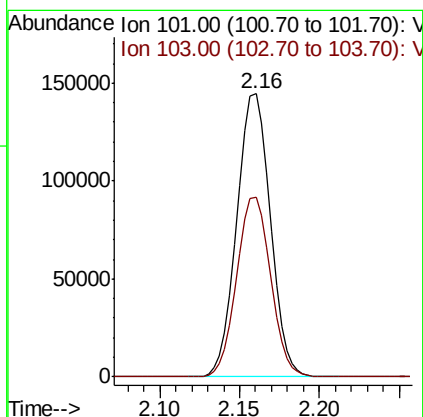
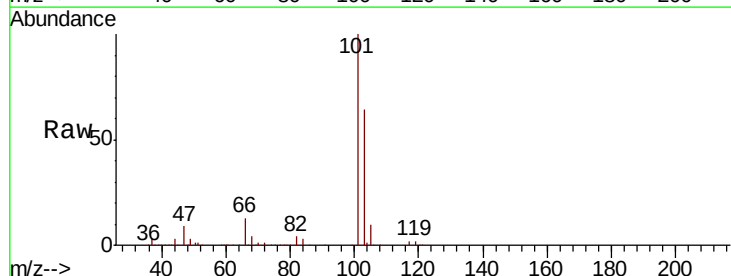
Instrument :
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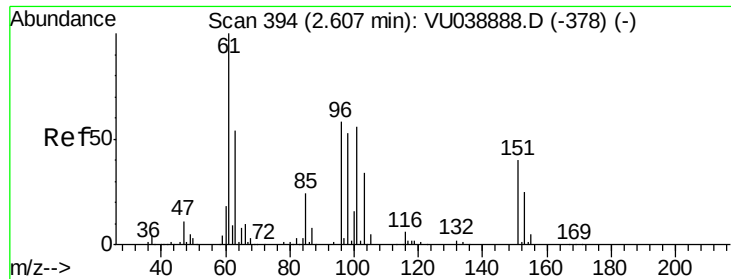
Tot Ion: 64 Resp: 83145
Ion Ratio Lower Upper
64 100
66 32.9 22.6 42.0



#9
Trichlorofluoromethane
Concen: 4.967 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU038891.D
Acq: 15 Jun 2020 14:31

Tgt Ion: 101 Resp: 206106
Ion Ratio Lower Upper
101 100
103 64.2 51.1 76.7





#10

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

Concen: 4.641 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038891.D

Acq: 15 Jun 2020 14:31

Instrument :

MSVOA_U

ClientSampleId :

BFB13

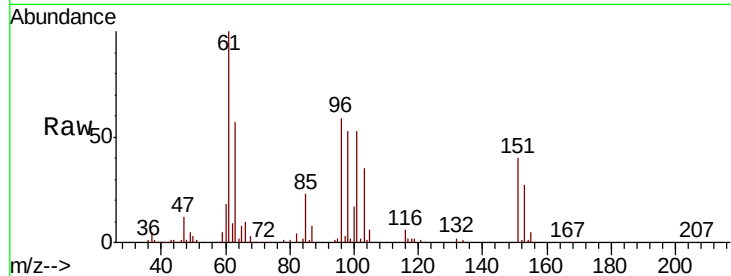
Tot Ion:101 Resp: 95516

Ion Ratio Lower Upper

101 100

85 44.6 35.3 52.9

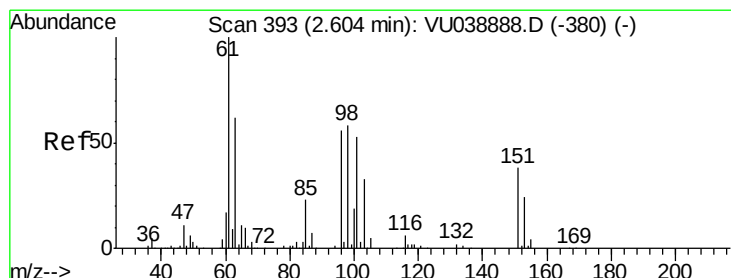
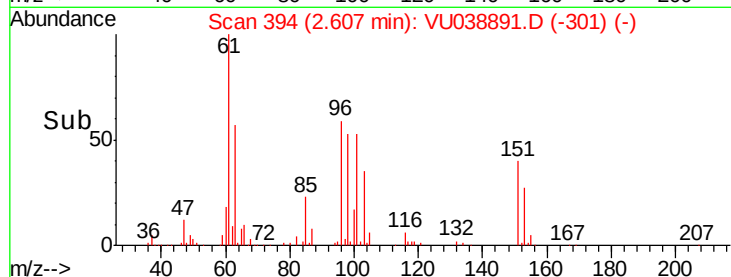
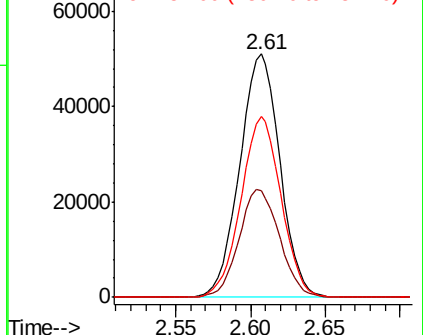
151 74.0 57.4 86.2



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: 4.807 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU038891.D

Acq: 15 Jun 2020 14:31

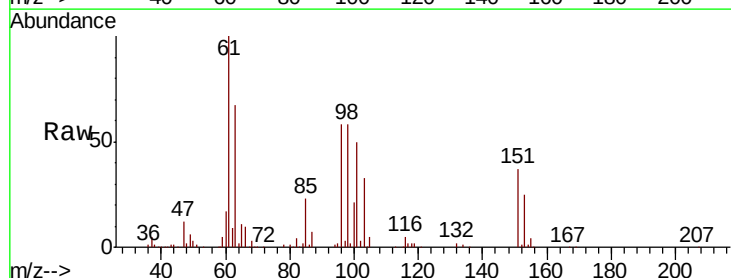
Tgt Ion: 96 Resp: 94746

Ion Ratio Lower Upper

96 100

61 172.6 124.9 232.1

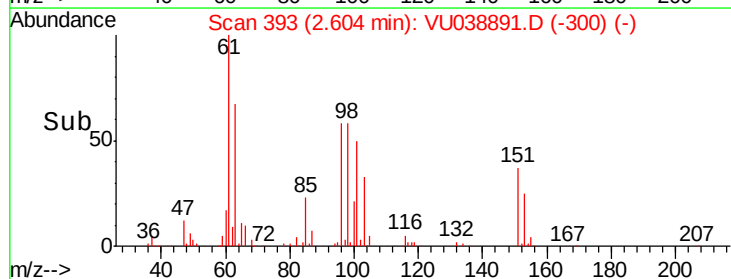
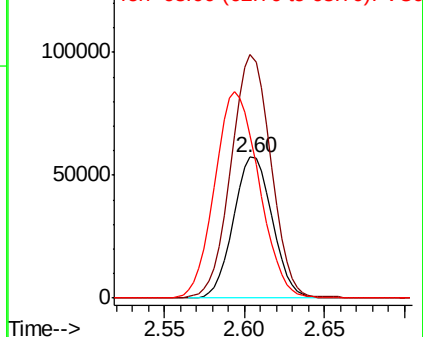
63 115.7 79.1 146.9

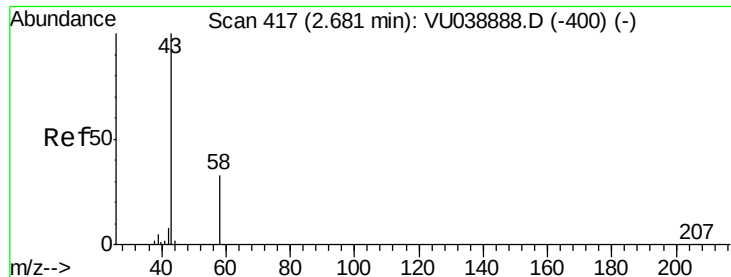


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 49.445 ug/L

RT: 2.68 min Scan# 418

Delta R.T. 0.00 min

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ClientSampled :

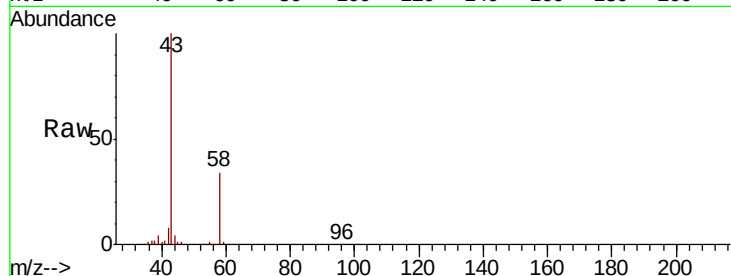
BFB13

Tot Ion: 43 Resp: 203523

Ion Ratio Lower Upper

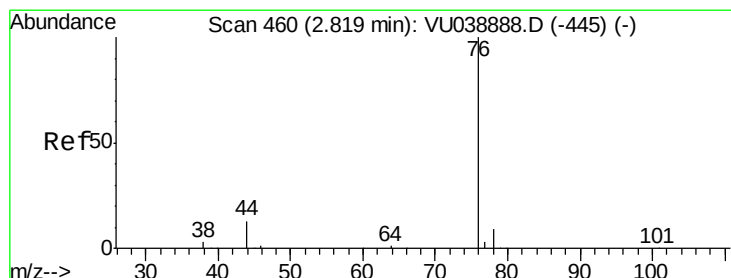
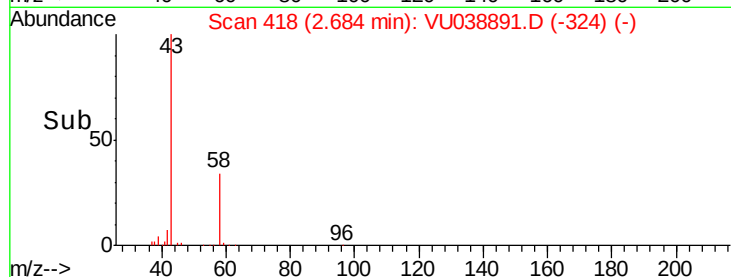
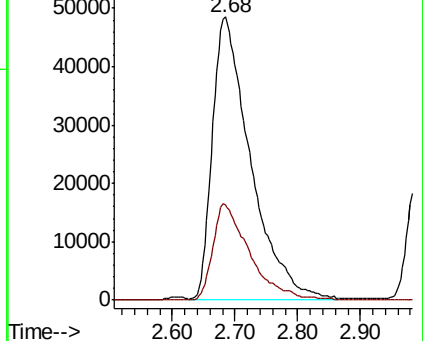
43 100

58 32.6 0.0 65.6



Abundance Ion 43.05 (42.75 to 43.75): VU038888.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU038888.D (-400) (-)



#14

Carbon disulfide

Concen: 4.826 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU038891.D

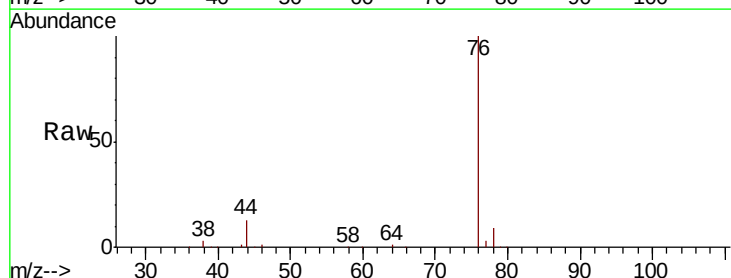
Acq: 15 Jun 2020 14:31

Tgt Ion: 76 Resp: 315806

Ion Ratio Lower Upper

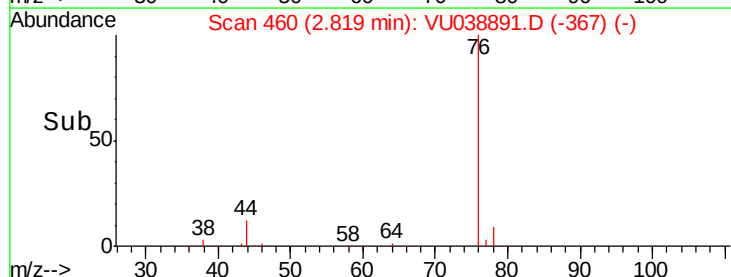
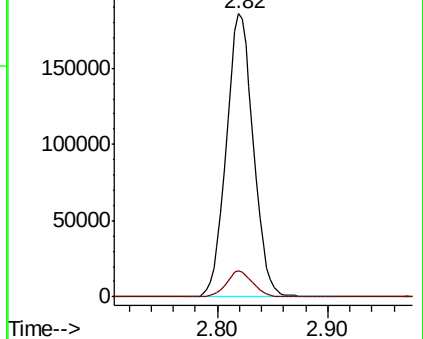
76 100

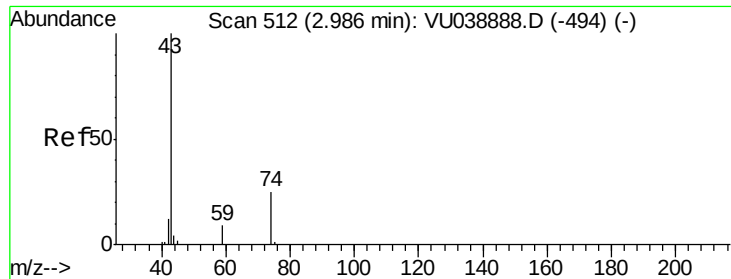
78 9.1 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU038888.D (-445) (-)

Ion 78.00 (77.70 to 78.70): VU038888.D (-445) (-)

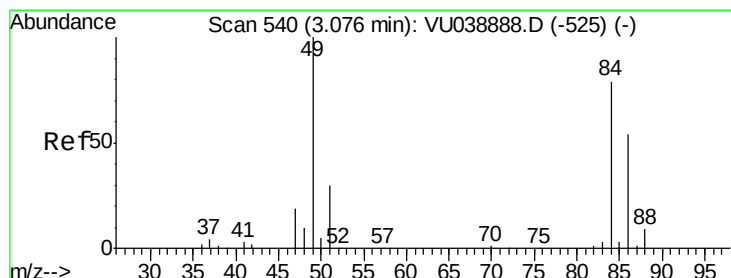
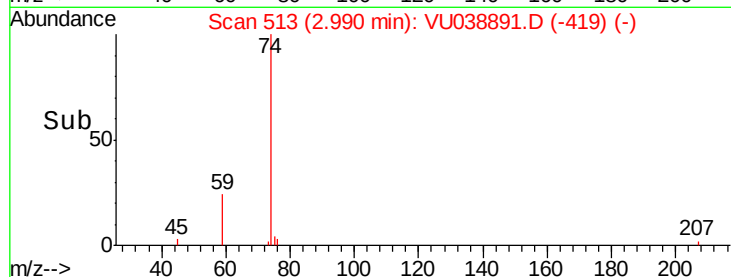
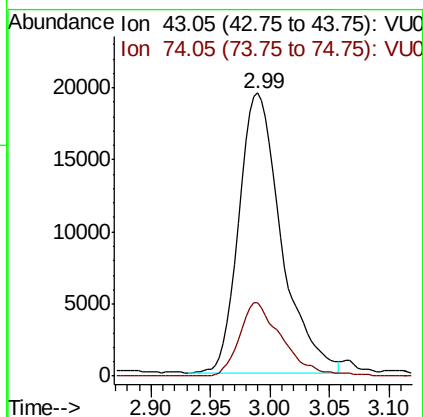
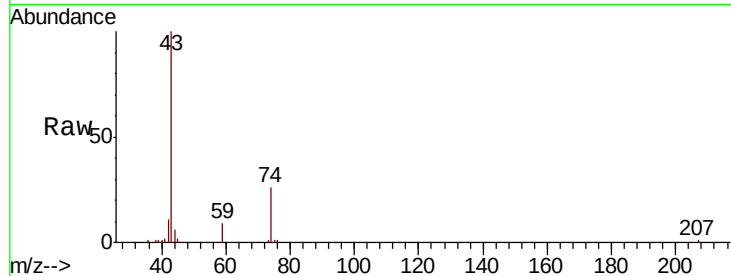




#15
Methyl Acetate
Concen: 4.784 ug/L
RT: 2.99 min Scan# 513
Delta R.T. 0.00 min
Lab File: VU038891.D
Acq: 15 Jun 2020 14:31

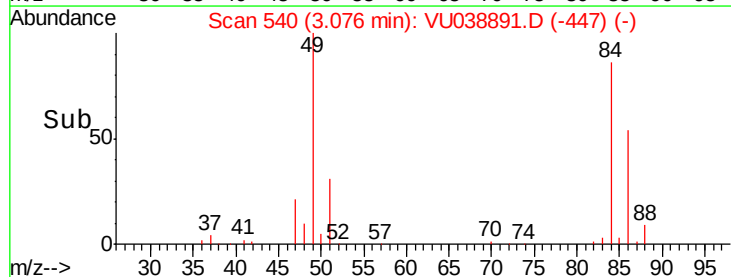
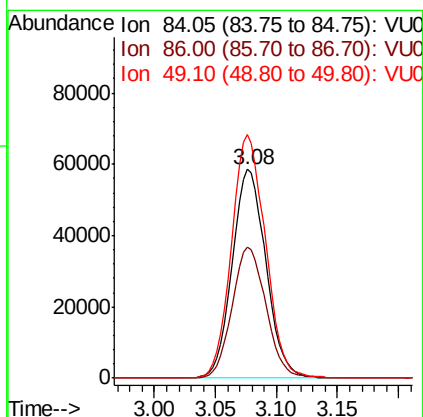
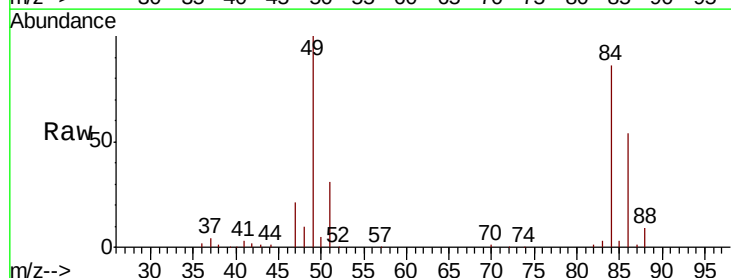
Instrument :
MSVOA_U
ClientSampled :
BFB13

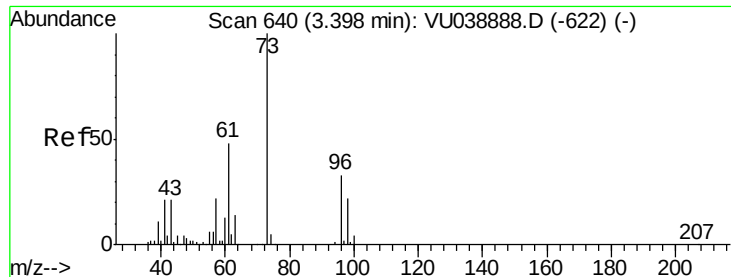
Tot Ion: 43 Resp: 48040
Ion Ratio Lower Upper
43 100
74 26.5 19.7 29.5



#16
Methylene chloride
Concen: 4.949 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU038891.D
Acq: 15 Jun 2020 14:31

Tgt Ion: 84 Resp: 112148
Ion Ratio Lower Upper
84 100
86 62.9 47.9 89.1
49 116.7 88.4 164.2





#17

Methyl tert-butyl Ether

Concen: 5.014 ug/L

RT: 3.40 min Scan# 640

Delta R.T. 0.00 min

Lab File: VU038891.D

Acq: 15 Jun 2020 14:31

Instrument :

MSVOA_U

ClientSampleId :

BFB13

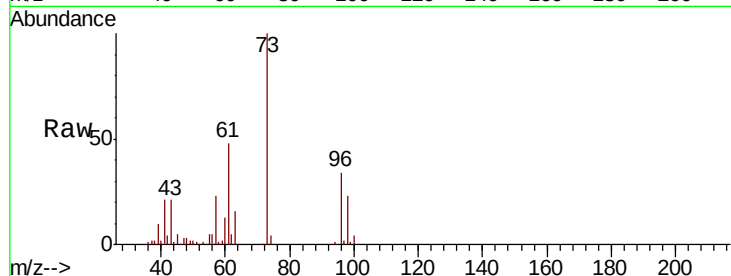
Tot Ion: 73 Resp: 252175

Ion Ratio Lower Upper

73 100

43 20.6 16.6 24.8

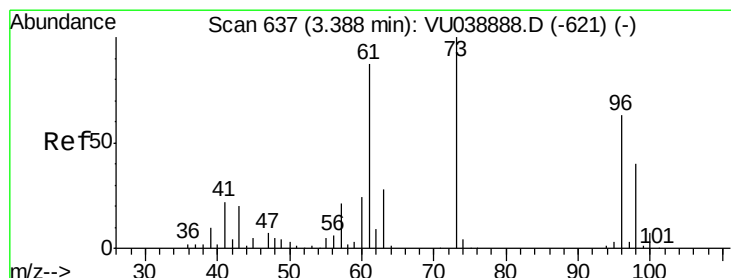
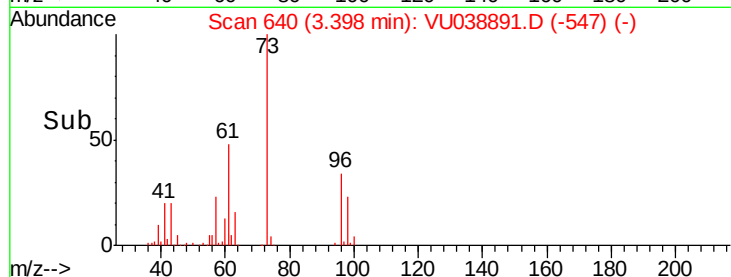
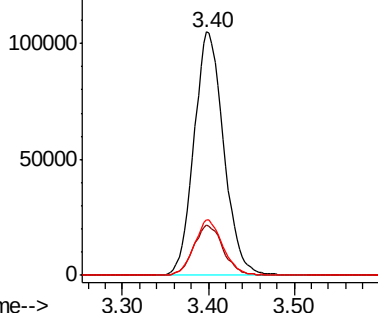
57 22.0 17.5 26.3



Abundance Ion 73.10 (72.80 to 73.80): VU038888.D (-622) (-)

Ion 43.05 (42.75 to 43.75): VU038888.D (-622) (-)

Ion 57.10 (56.80 to 57.80): VU038888.D (-622) (-)



#18

trans-1,2-Dichloroethene

Concen: 4.859 ug/L

RT: 3.39 min Scan# 637

Delta R.T. 0.00 min

Lab File: VU038891.D

Acq: 15 Jun 2020 14:31

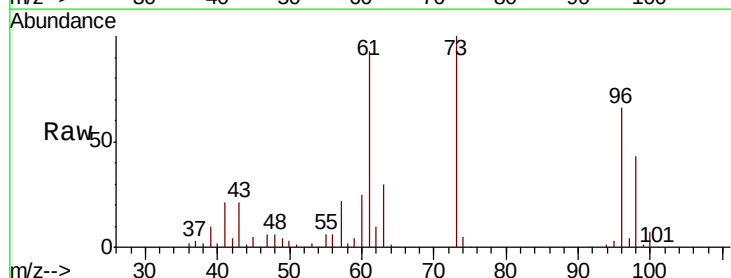
Tgt Ion: 96 Resp: 101465

Ion Ratio Lower Upper

96 100

61 140.8 97.6 181.4

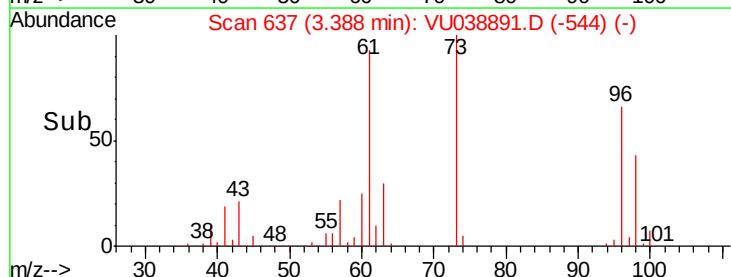
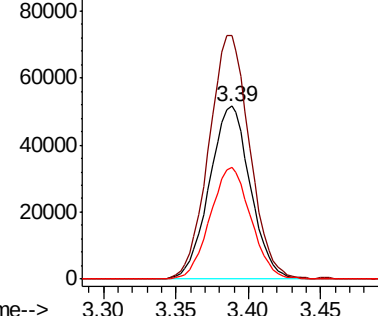
98 64.7 44.5 82.7

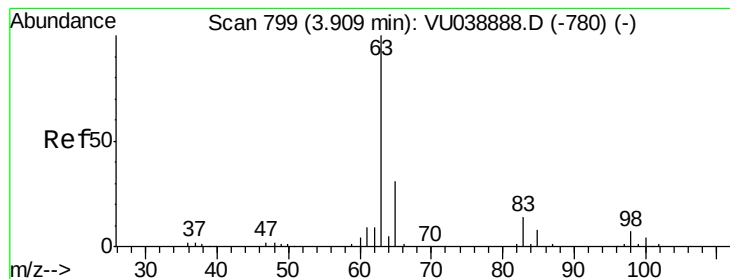


Abundance Ion 96.00 (95.70 to 96.70): VU038888.D (-621) (-)

Ion 61.05 (60.75 to 61.75): VU038888.D (-621) (-)

Ion 97.95 (97.65 to 98.65): VU038888.D (-621) (-)





#19

1,1-Dichloroethane

Concen: 4.904 ug/L

RT: 3.91 min Scan# 799

Delta R.T. 0.00 min

Lab File: VU038891.D

Acq: 15 Jun 2020 14:31

Instrument :

MSVOA_U

ClientSampled :

BFB13

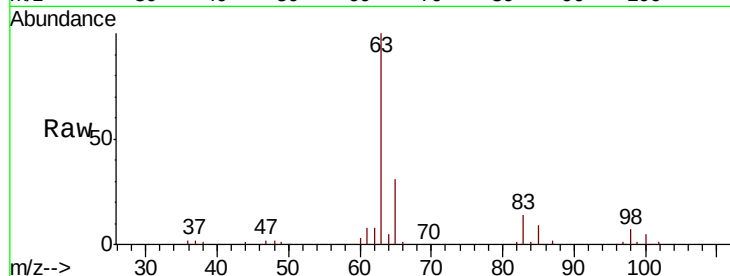
Tot Ion: 63 Resp: 187732

Ion Ratio Lower Upper

63 100

65 31.3 21.3 39.6

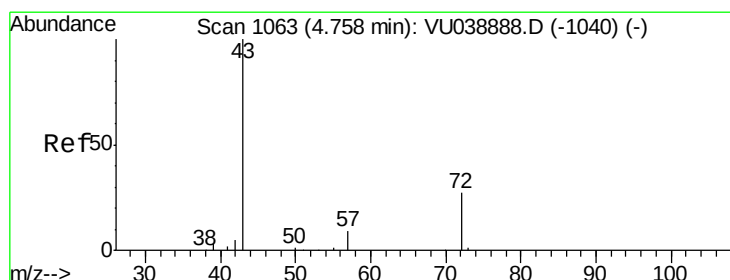
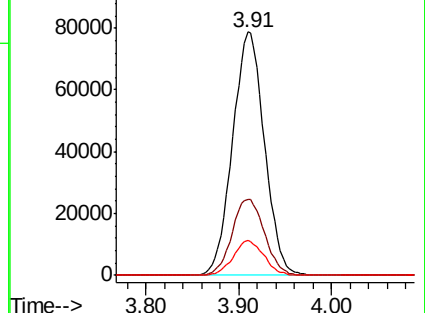
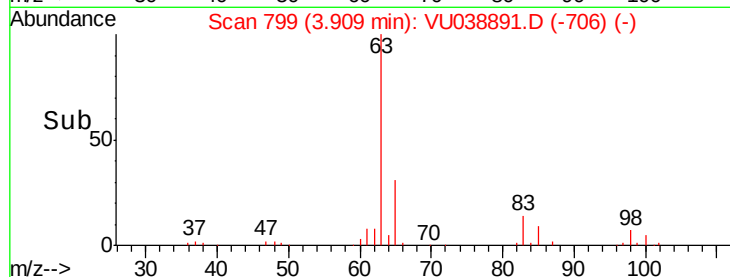
83 14.3 9.5 17.7



Abundance Ion 63.10 (62.80 to 63.80): VU038891.D (-706) (-)

Ion 65.10 (64.80 to 65.80): VU038891.D (-706) (-)

Ion 83.05 (82.75 to 83.75): VU038891.D (-706) (-)



#21

2-Butanone

Concen: 49.483 ug/L

RT: 4.76 min Scan# 1064

Delta R.T. 0.00 min

Lab File: VU038891.D

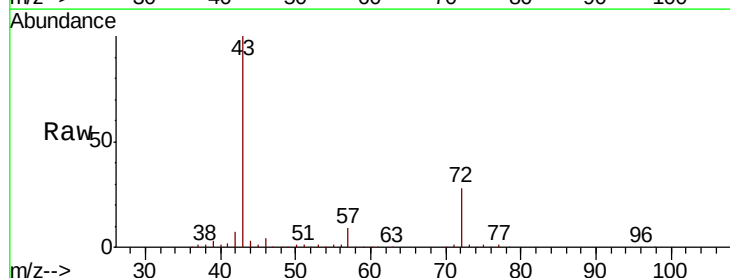
Acq: 15 Jun 2020 14:31

Tgt Ion: 43 Resp: 331104

Ion Ratio Lower Upper

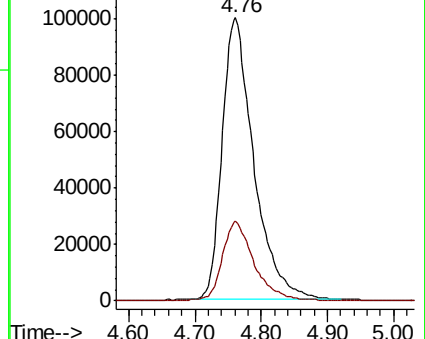
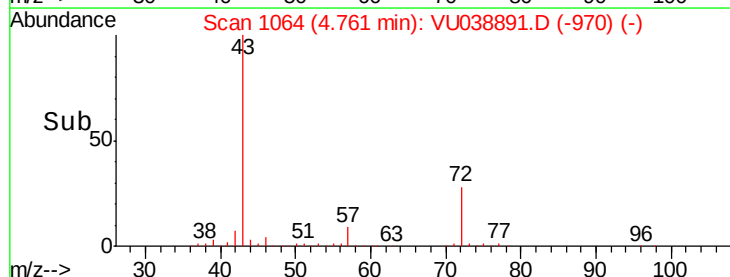
43 100

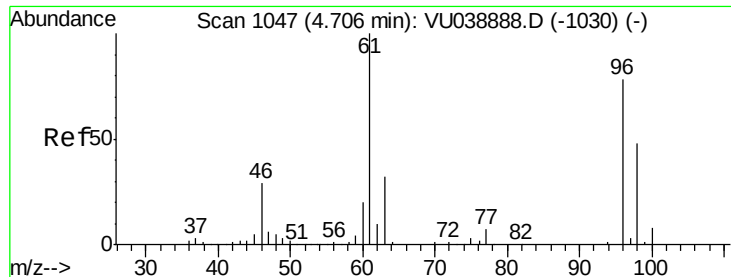
72 28.5 14.0 41.9



Abundance Ion 43.05 (42.75 to 43.75): VU038891.D (-970) (-)

Ion 72.10 (71.80 to 72.80): VU038891.D (-970) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.963 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038891.D

Acq: 15 Jun 2020 14:31

Instrument :

MSVOA_U

ClientSampleId :

BFB13

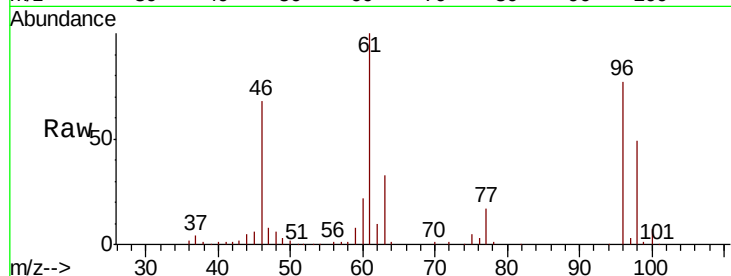
Tot Ion: 96 Resp: 108381

Ion Ratio Lower Upper

96 100

61 129.9 90.5 168.1

68 0.0 0.0 0.0

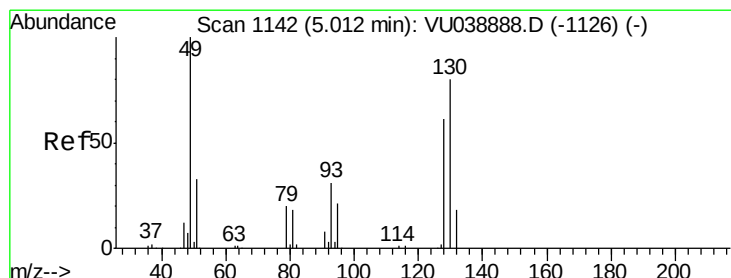
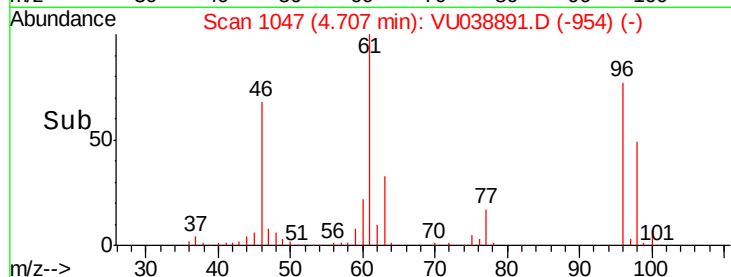
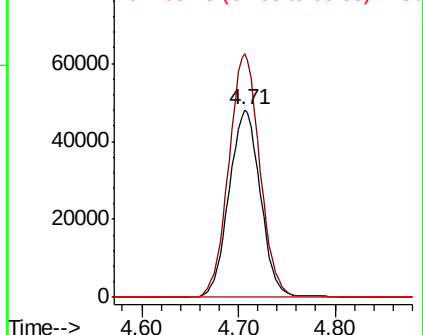


Abundance

Ion 96.00 (95.70 to 96.70): VU038891.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU038891.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU038891.D (-954) (-)



#23

Bromochloromethane

Concen: 4.920 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU038891.D

Acq: 15 Jun 2020 14:31

Tgt Ion: 128 Resp: 50867

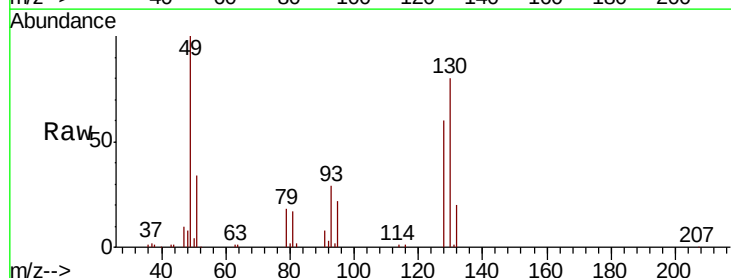
Ion Ratio Lower Upper

128 100

49 165.8 114.8 213.2

130 132.8 91.7 170.3

51 56.7 42.7 64.1



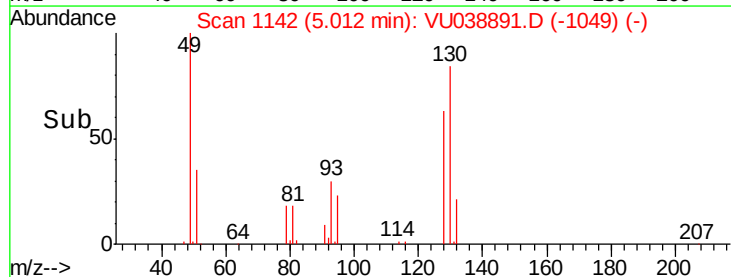
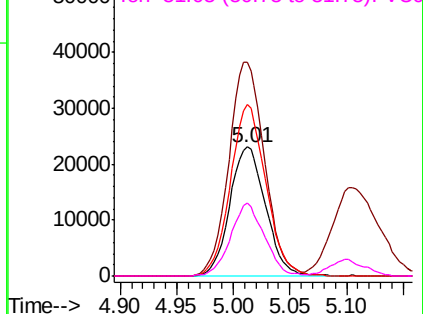
Abundance

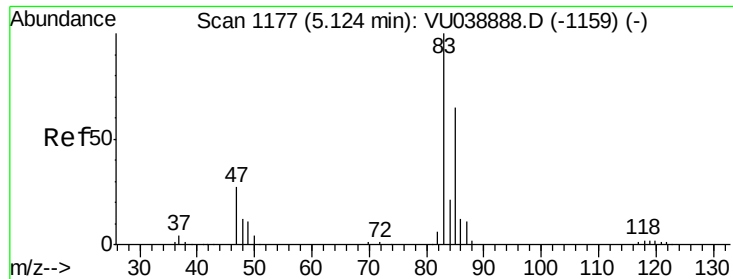
Ion 127.90 (127.60 to 128.60): VU038891.D (-1049) (-)

Ion 49.10 (48.80 to 49.80): VU038891.D (-1049) (-)

Ion 129.95 (129.65 to 130.65): VU038891.D (-1049) (-)

Ion 51.05 (50.75 to 51.75): VU038891.D (-1049) (-)

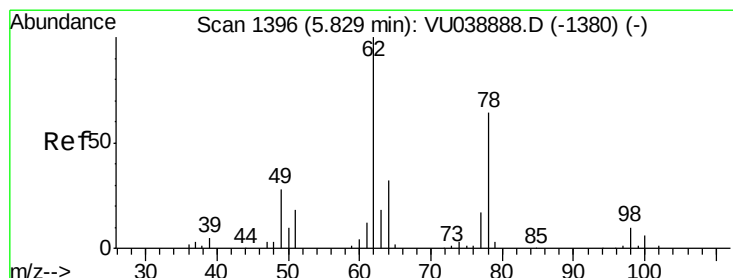
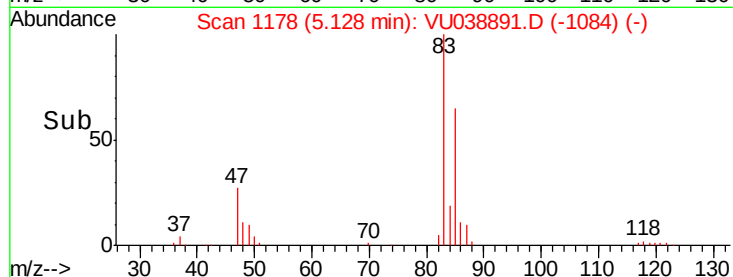
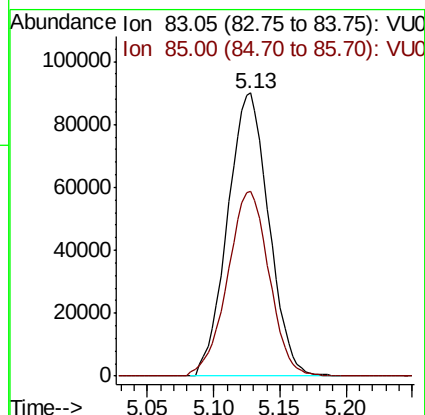
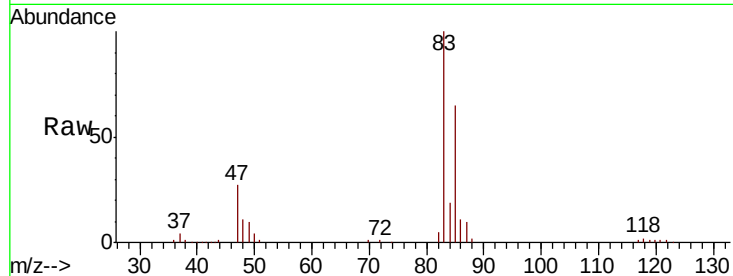




#25
Chloroform
Concen: 4.875 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU038891.D
Acq: 15 Jun 2020 14:31

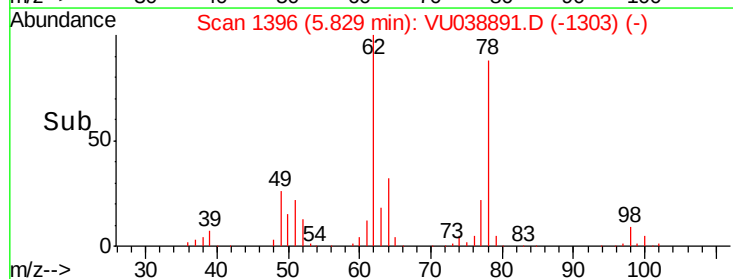
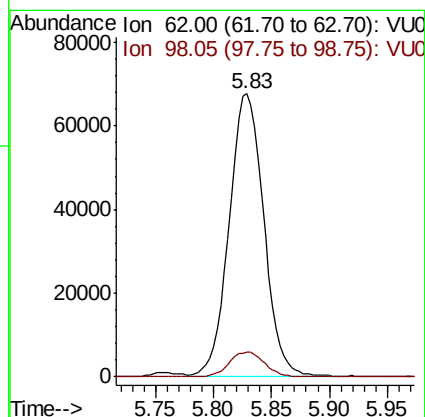
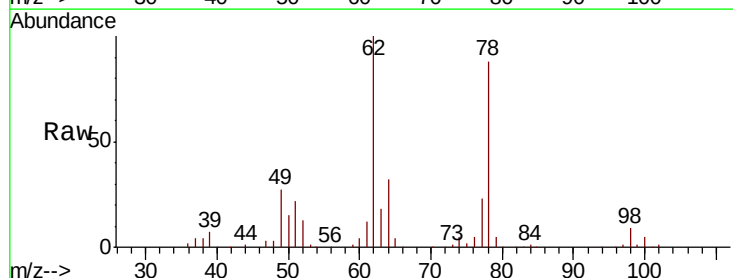
Instrument :
MSVOA_U
ClientSampleId :
BFB13

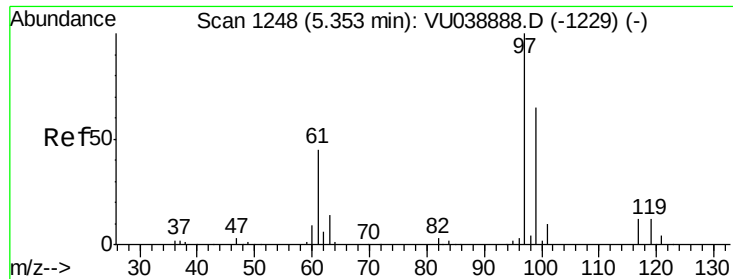
Tot Ion: 83 Resp: 194485
Ion Ratio Lower Upper
83 100
85 65.4 45.8 85.2



#27
1,2-Dichloroethane
Concen: 4.893 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU038891.D
Acq: 15 Jun 2020 14:31

Tgt Ion: 62 Resp: 138569
Ion Ratio Lower Upper
62 100
98 8.7 8.2 12.4

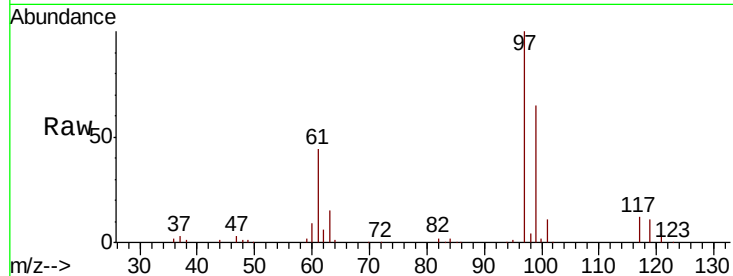




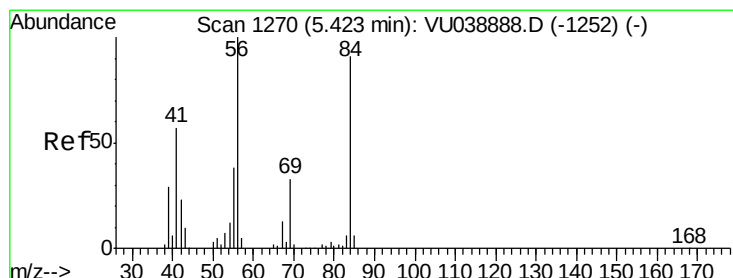
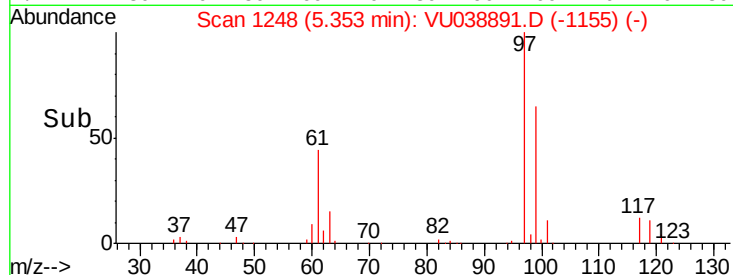
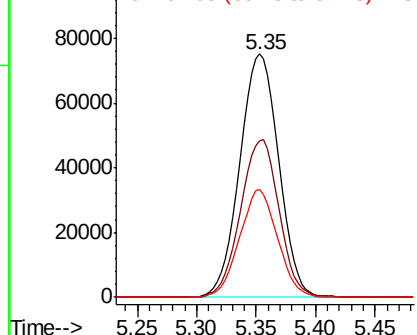
#29
1,1,1-Trichloroethane
Concen: 4.984 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VU038891.D
Acq: 15 Jun 2020 14:31

Instrument :
MSVOA_U
ClientSampleId :
BFB13

Tot Ion: 97 Resp: 170465
Ion Ratio Lower Upper
97 100
99 64.4 51.4 77.2
61 43.1 36.3 54.5

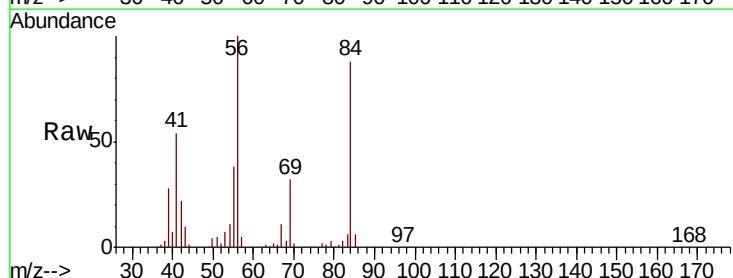


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

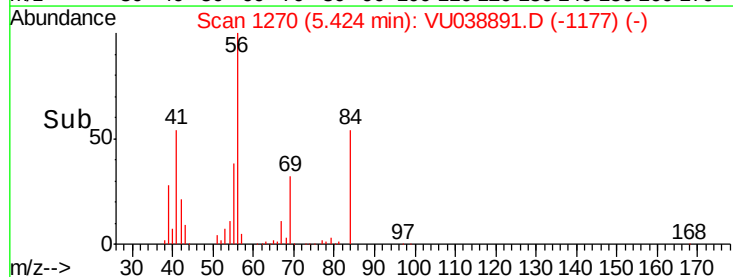
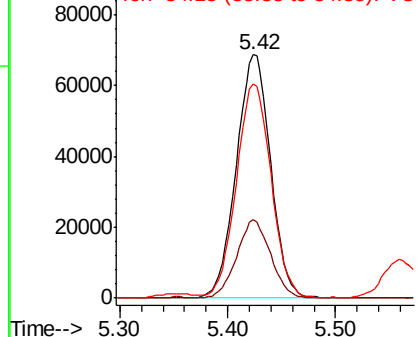


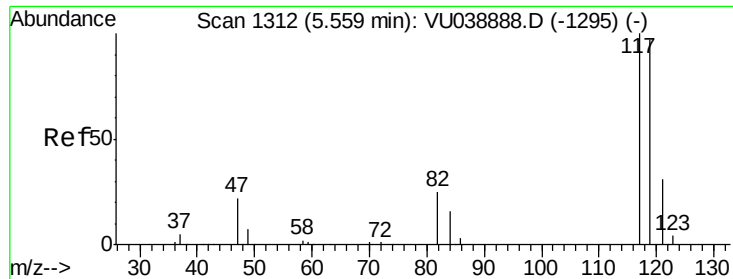
#30
Cyclohexane
Concen: 4.947 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU038891.D
Acq: 15 Jun 2020 14:31

Tgt Ion: 56 Resp: 152400
Ion Ratio Lower Upper
56 100
69 31.6 25.4 38.2
84 88.6 72.1 108.1



Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0

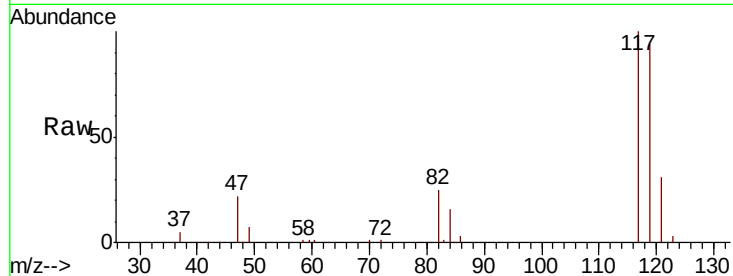




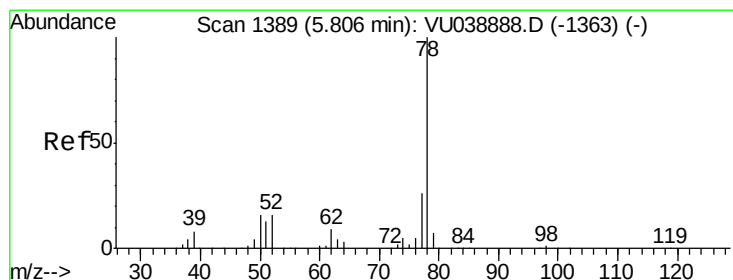
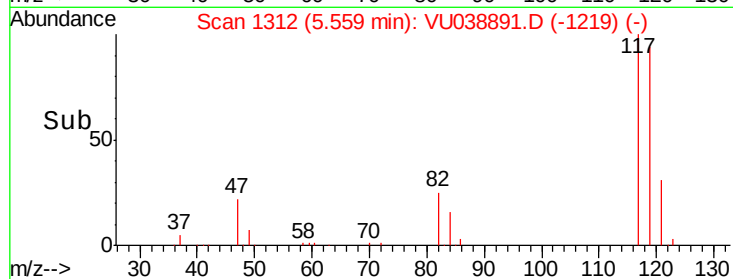
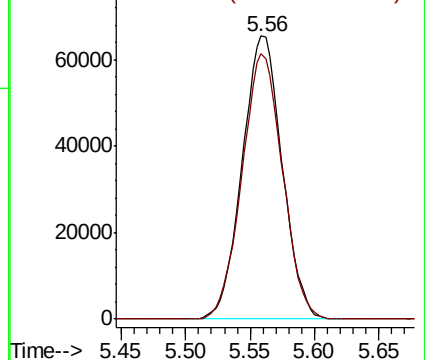
#31
Carbon tetrachloride
Concen: 4.850 ug/L
RT: 5.56 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU038891.D
Acq: 15 Jun 2020 14:31

Instrument :
MSVOA_U
ClientSampleId :
BFB13

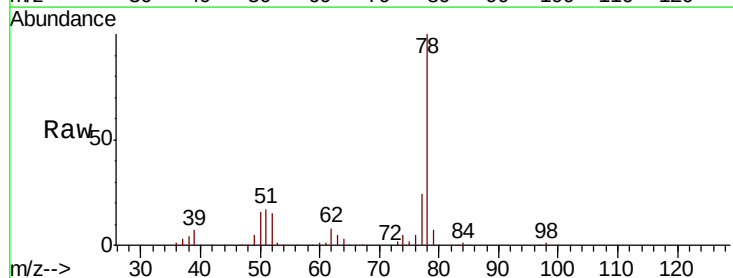
Tot Ion:117 Resp: 141160
Ion Ratio Lower Upper
117 100
119 95.1 76.6 114.8



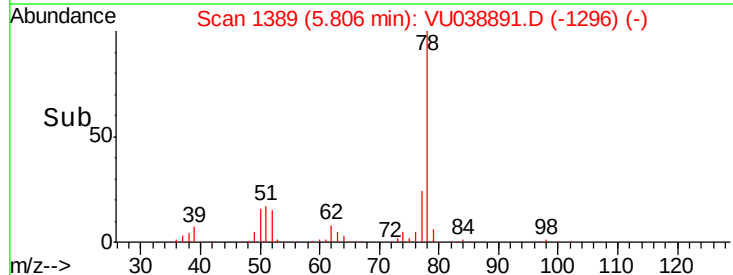
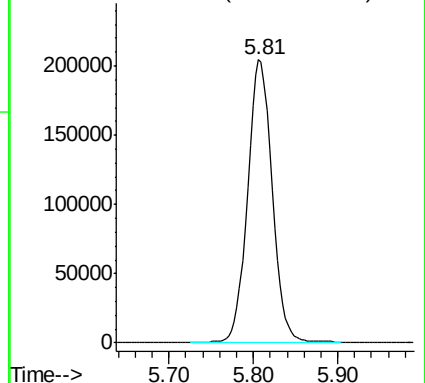
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

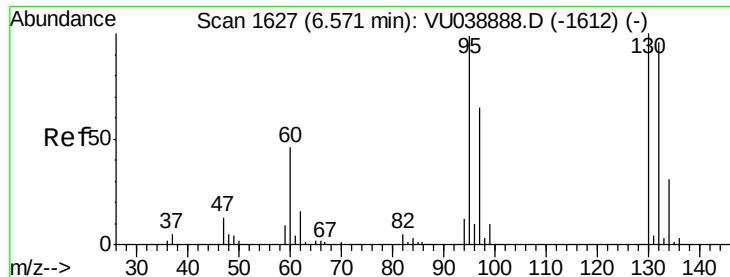


#33
Benzene
Concen: 5.099 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VU038891.D
Acq: 15 Jun 2020 14:31
Tgt Ion: 78 Resp: 418086



Abundance Ion 78.10 (77.80 to 78.80): VU0

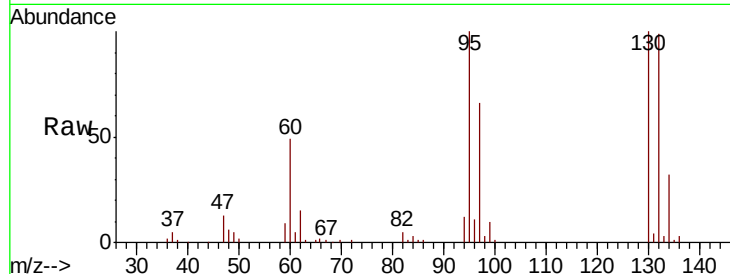




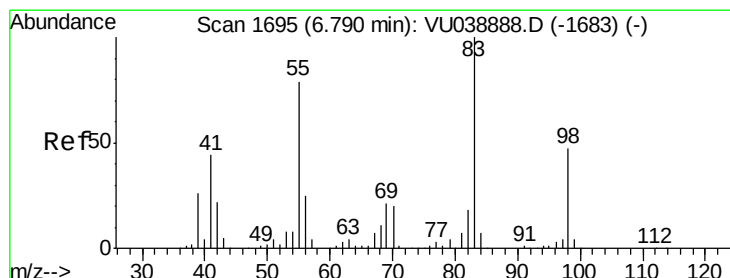
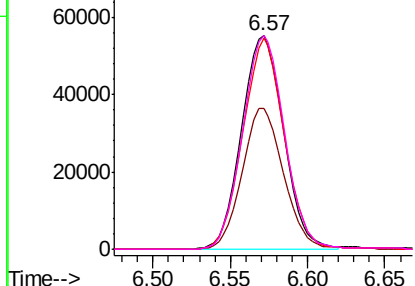
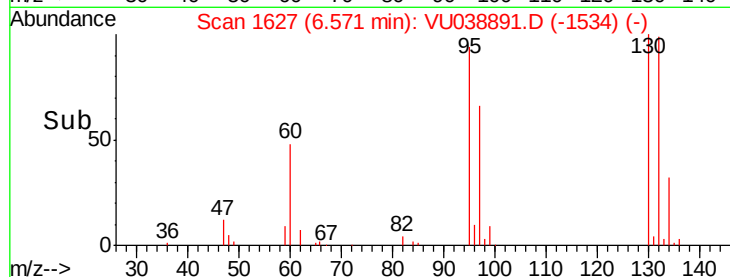
#34
 Trichloroethene
 Concen: 4.891 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU038891.D
 Acq: 15 Jun 2020 14:31

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB13

Tot Ion: 95 Resp: 104738
 Ion Ratio Lower Upper
 95 100
 97 65.8 46.1 85.5
 132 99.0 68.2 126.6
 130 99.9 71.0 131.9

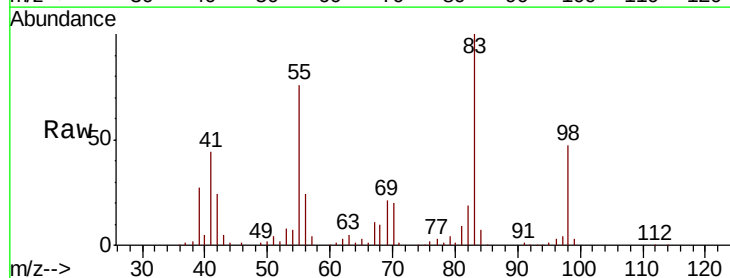


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

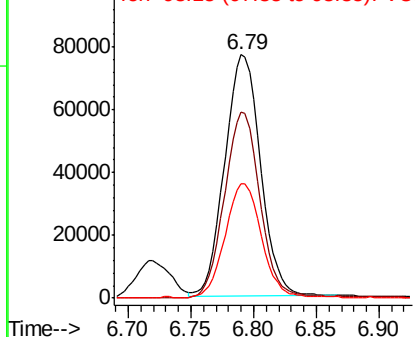
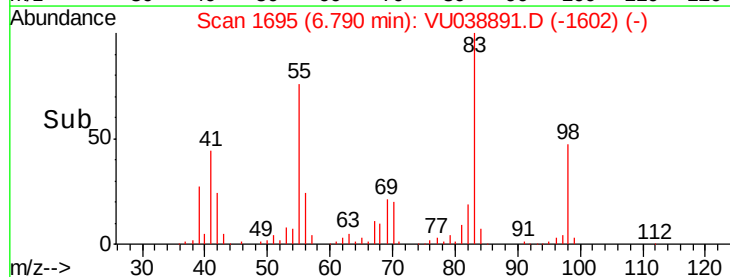


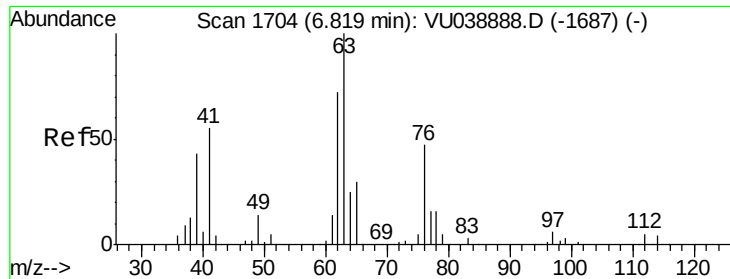
#35
 Methylcyclohexane
 Concen: 4.792 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU038891.D
 Acq: 15 Jun 2020 14:31

Tgt Ion: 83 Resp: 152860
 Ion Ratio Lower Upper
 83 100
 55 76.7 63.6 95.4
 98 47.7 38.9 58.3



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

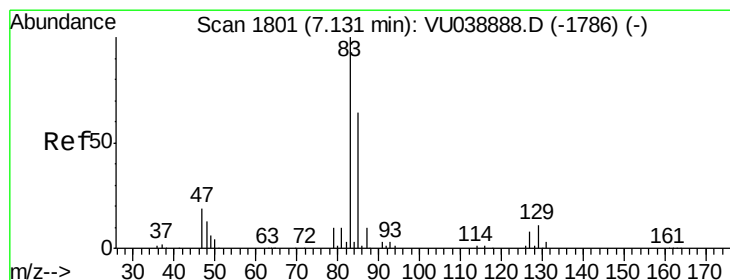
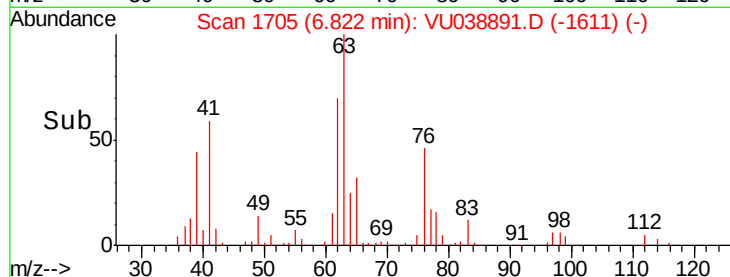
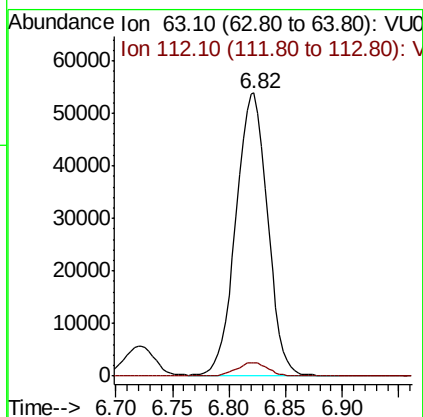
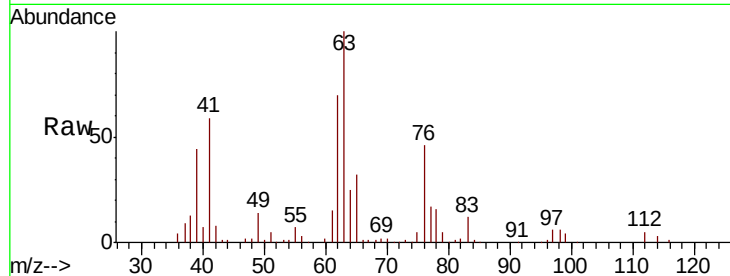




#37
 1,2-Dichloropropane
 Concen: 4.995 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU038891.D
 Acq: 15 Jun 2020 14:31

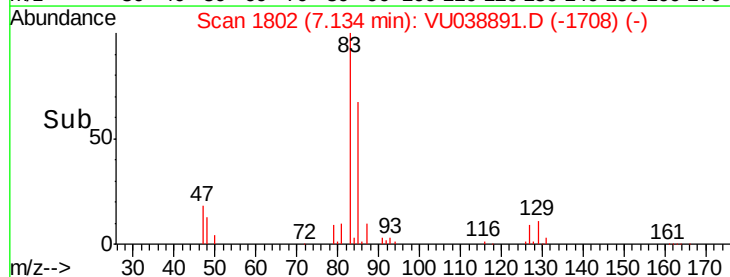
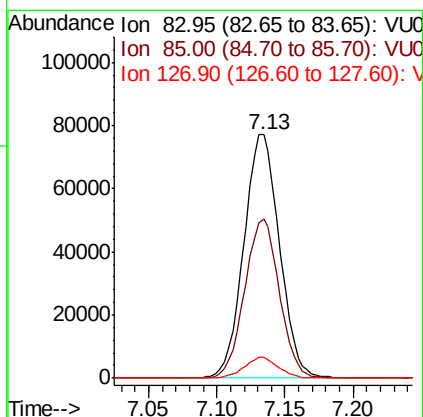
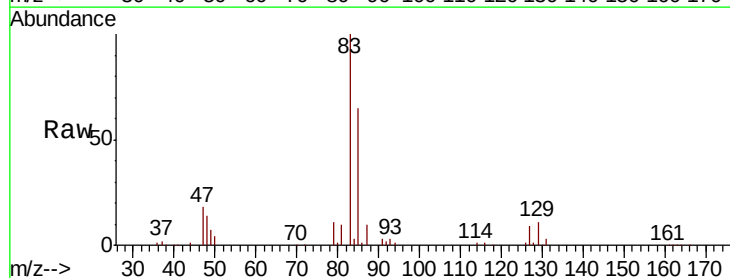
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB13

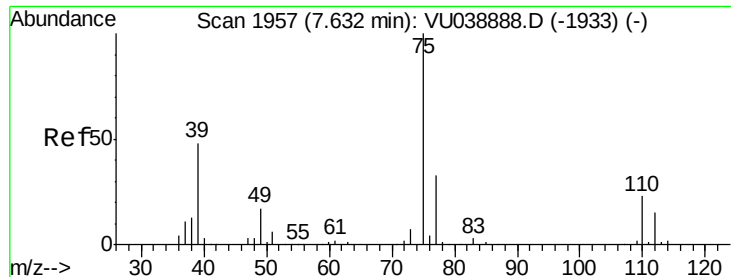
Tot Ion: 63 Resp: 105700
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.8 5.8



#38
 Bromodichloromethane
 Concen: 5.023 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VU038891.D
 Acq: 15 Jun 2020 14:31

Tgt Ion: 83 Resp: 139758
 Ion Ratio Lower Upper
 83 100
 85 65.5 44.8 83.2
 127 8.6 6.3 9.5

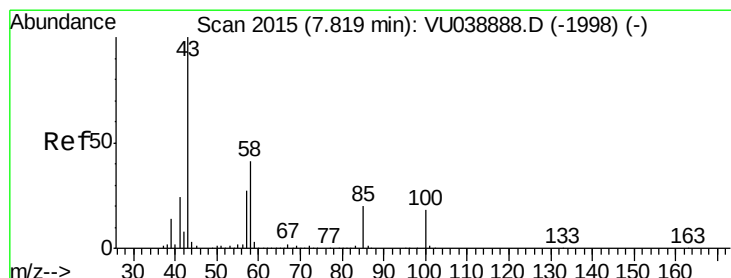
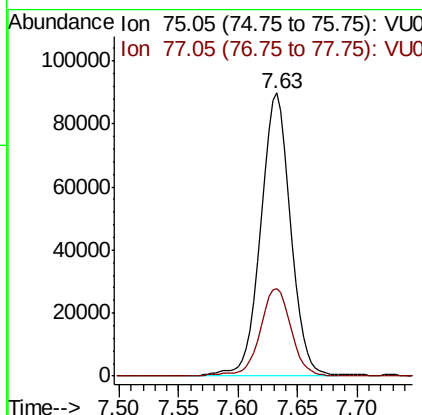
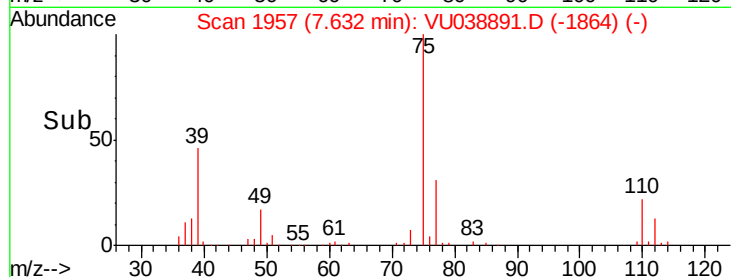
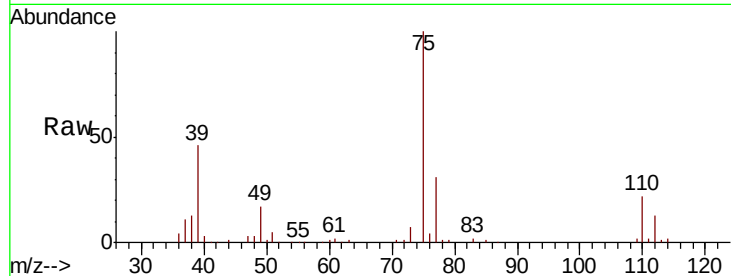




#39
 cis-1,3-Dichloropropene
 Concen: 5.164 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU038891.D
 Acq: 15 Jun 2020 14:31

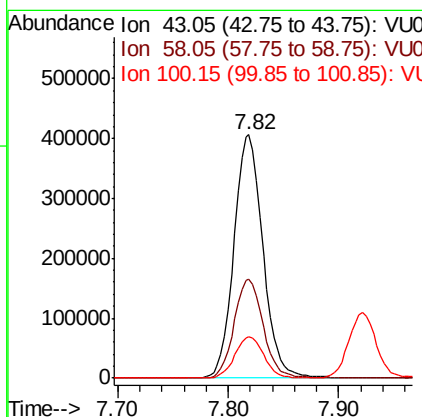
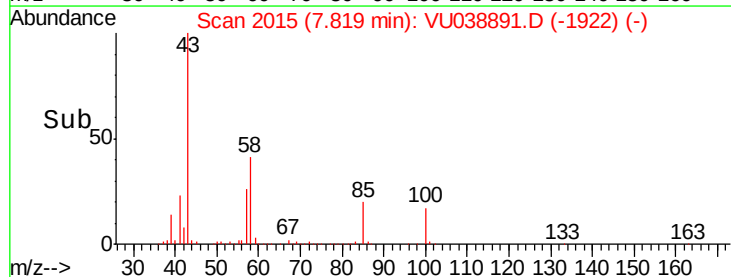
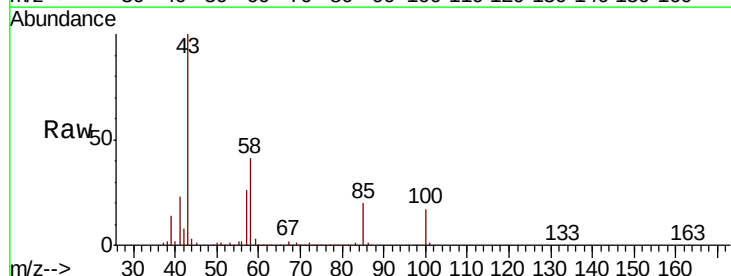
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB13

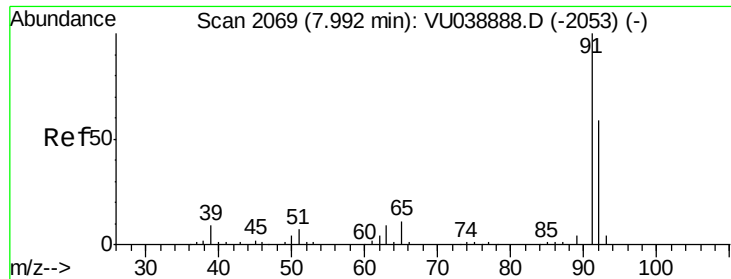
Tot Ion: 75 Resp: 156274
 Ion Ratio Lower Upper
 75 100
 77 31.1 23.0 42.6



#40
 4-Methyl-2-pentanone
 Concen: 51.112 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU038891.D
 Acq: 15 Jun 2020 14:31

Tgt Ion: 43 Resp: 737750
 Ion Ratio Lower Upper
 43 100
 58 40.8 32.6 49.0
 100 17.2 13.8 20.6





#42

Toluene

Concen: 5.027 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU038891.D

Acq: 15 Jun 2020 14:31

Instrument :

MSVOA_U

ClientSampled :

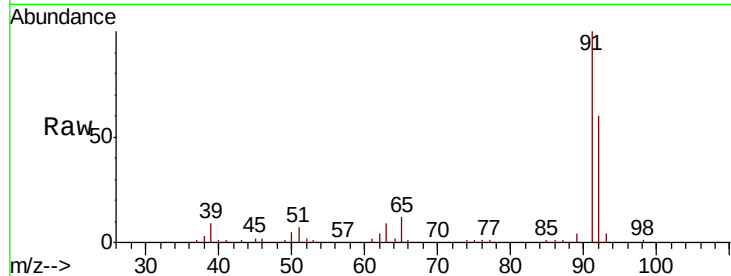
BFB13

Tot Ion: 91 Resp: 434525

Ion Ratio Lower Upper

91 100

92 60.3 41.5 77.1



Abundance Ion 91.15 (90.85 to 91.85): VU038888.D (-2053) (-)

Ion 92.15 (91.85 to 92.85): VU038891.D (-1976) (-)

7.99

250000

200000

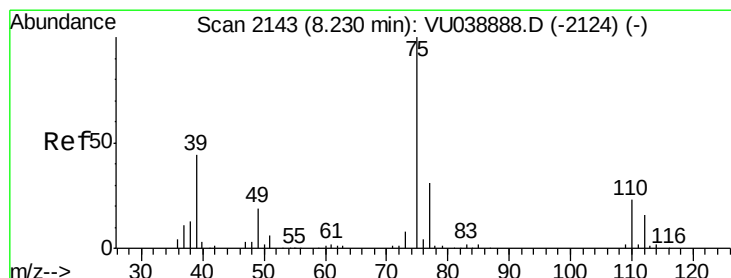
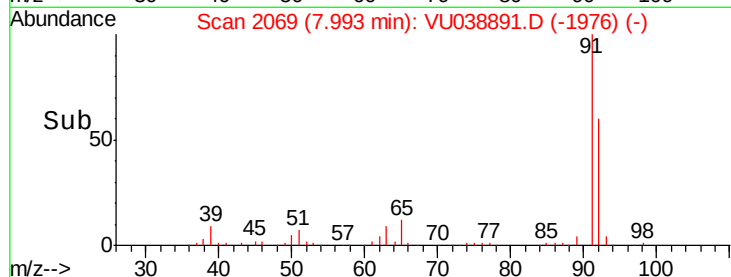
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.067 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VU038891.D

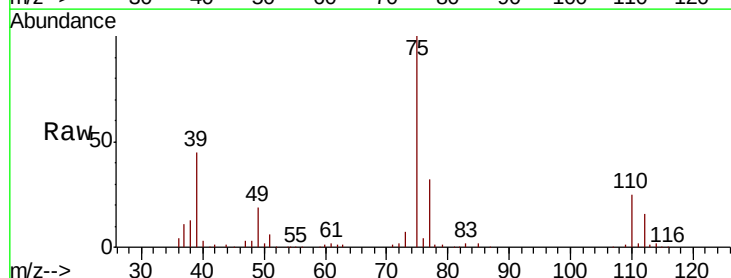
Acq: 15 Jun 2020 14:31

Tgt Ion: 75 Resp: 140252

Ion Ratio Lower Upper

75 100

77 32.1 21.9 40.7



Abundance Ion 75.05 (74.75 to 75.75): VU038888.D (-2124) (-)

Ion 77.05 (76.75 to 77.75): VU038891.D (-2050) (-)

8.23

80000

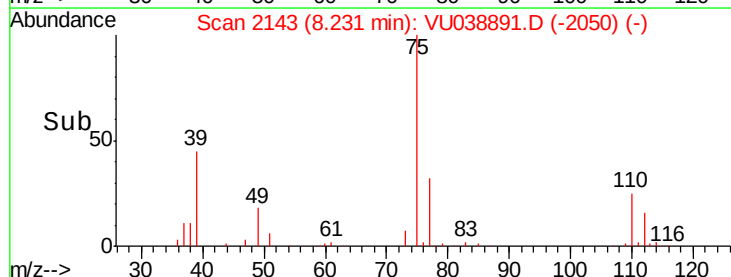
60000

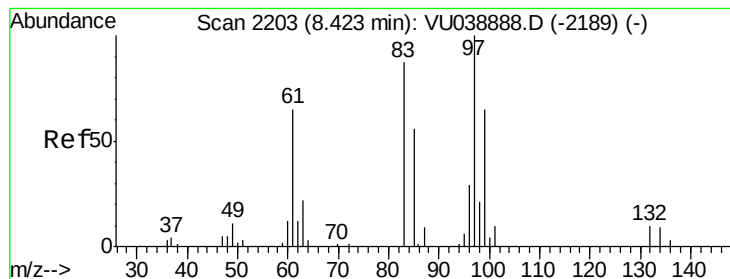
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.197 ug/L

RT: 8.42 min Scan# 2203

Delta R.T. 0.00 min

Lab File: VU038891.D

Acq: 15 Jun 2020 14:31

Instrument :

MSVOA_U

ClientSampleId :

BFB13

Tot Ion: 97 Resp: 84069

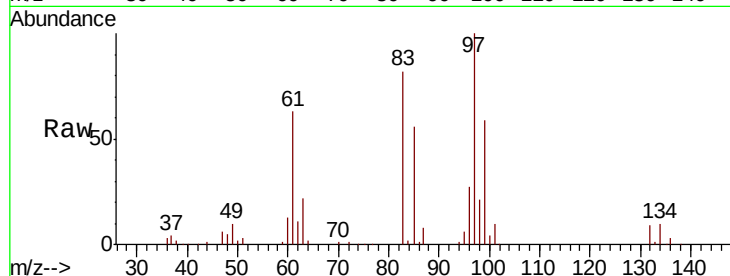
Ion Ratio Lower Upper

97 100

99 59.3 45.4 84.2

83 81.9 60.6 112.6

85 56.4 39.0 72.4

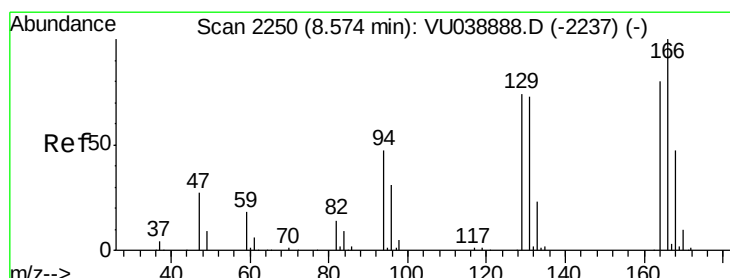
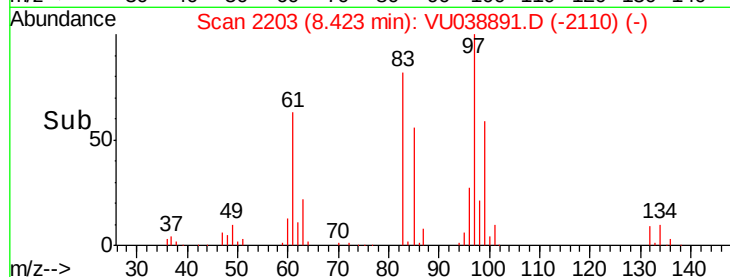
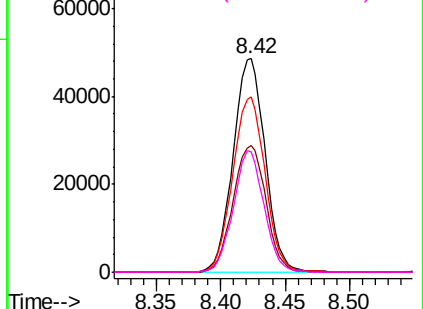


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 4.871 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. 0.00 min

Lab File: VU038891.D

Acq: 15 Jun 2020 14:31

Tgt Ion:164 Resp: 79940

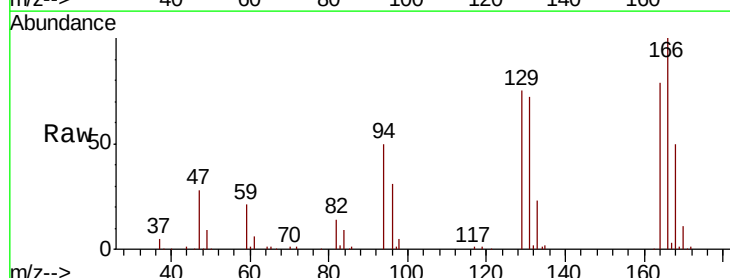
Ion Ratio Lower Upper

164 100

129 95.1 65.5 121.7

131 91.3 63.9 118.7

166 126.3 87.9 163.3

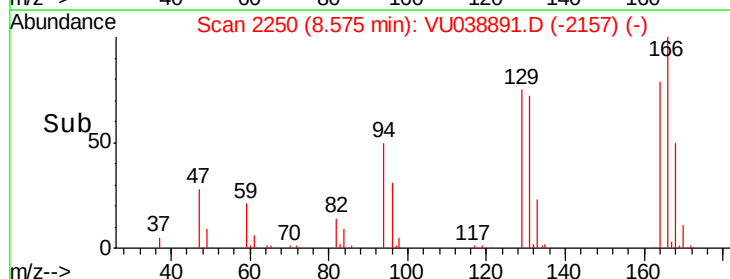
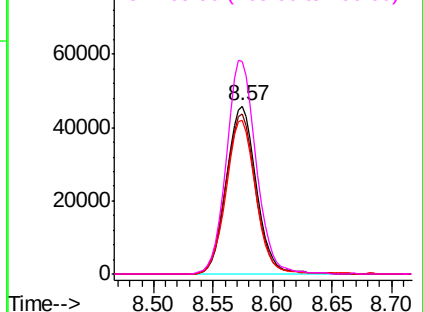


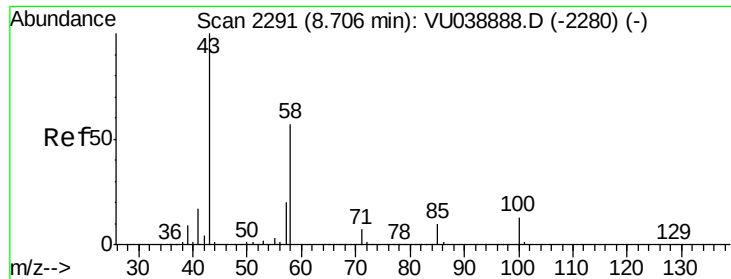
Abundance Ion 163.90 (163.60 to 164.60): V

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

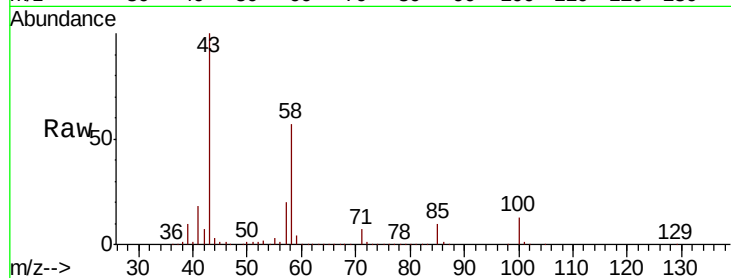




#48
2-Hexanone
Concen: 49.357 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU038891.D
Acq: 15 Jun 2020 14:31

Instrument :
MSVOA_U
ClientSampleId :
BFB13

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.9	45.4	68.2
57	20.3	16.4	24.6
100	13.8	10.6	15.8



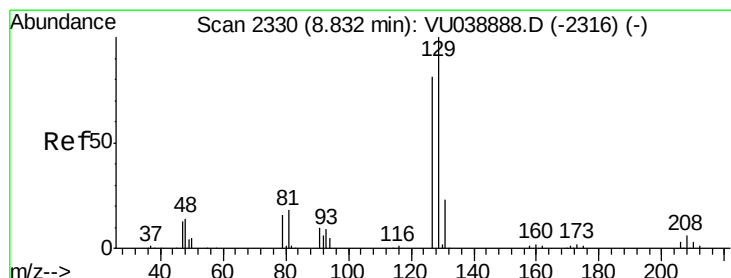
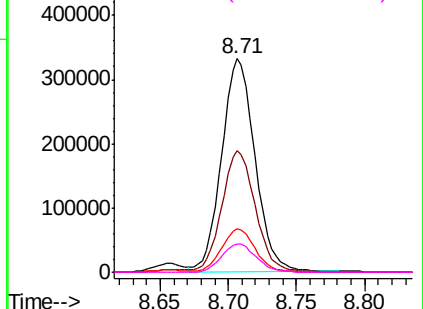
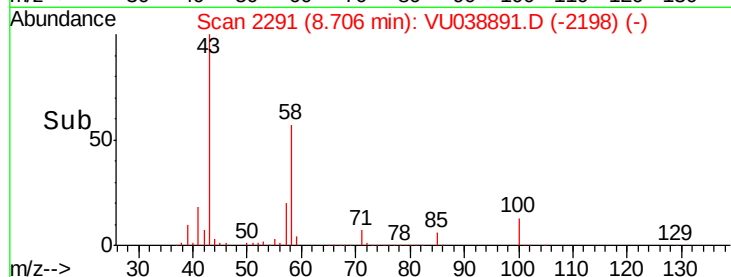
Abundance

Ion 43.05 (42.75 to 43.75): VU038891.D (-2198) (-)

Ion 58.05 (57.75 to 58.75): VU038891.D (-2198) (-)

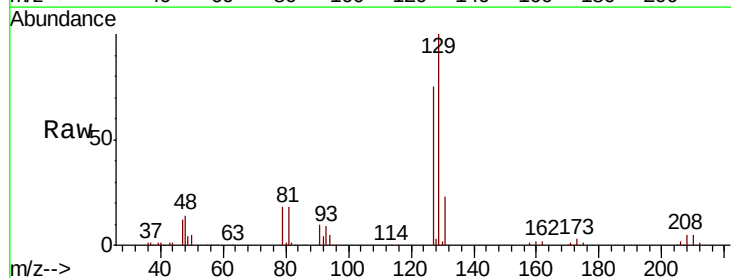
Ion 57.20 (56.90 to 57.90): VU038891.D (-2198) (-)

Ion 100.15 (99.85 to 100.85): VU038891.D (-2198) (-)



#49
Dibromochloromethane
Concen: 5.139 ug/L
RT: 8.83 min Scan# 2329
Delta R.T. -0.00 min
Lab File: VU038891.D
Acq: 15 Jun 2020 14:31

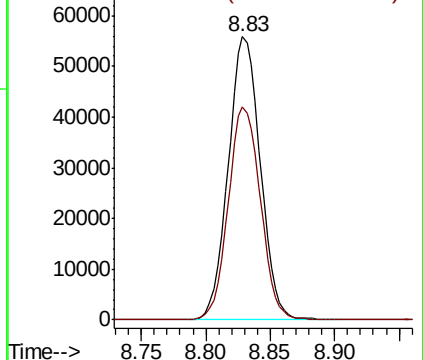
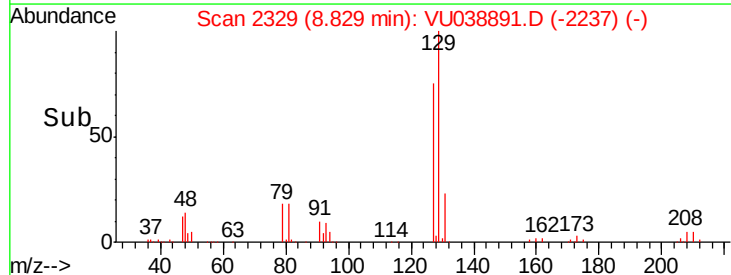
Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.3	56.7	105.3

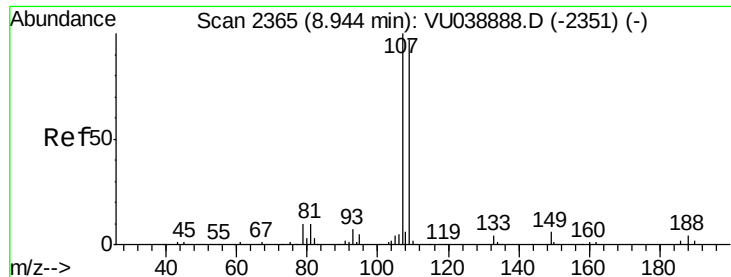


Abundance

Ion 128.95 (128.65 to 129.65): VU038891.D (-2237) (-)

Ion 126.90 (126.60 to 127.60): VU038891.D (-2237) (-)





#50

1,2-Dibromoethane

Concen: 5.006 ug/L

RT: 8.94 min Scan# 2365

Delta R.T. 0.00 min

Lab File: VU038891.D

Acq: 15 Jun 2020 14:31

Instrument :

MSVOA_U

ClientSampleId :

BFB13

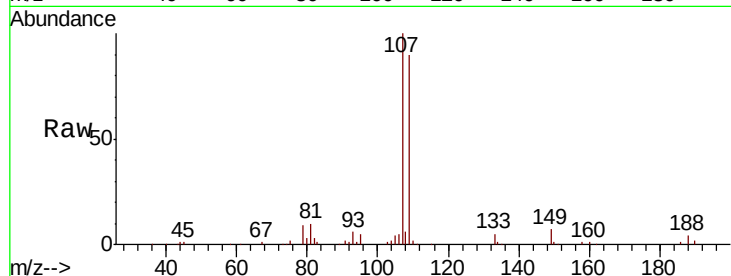
Tot Ion:107 Resp: 78491

Ion Ratio Lower Upper

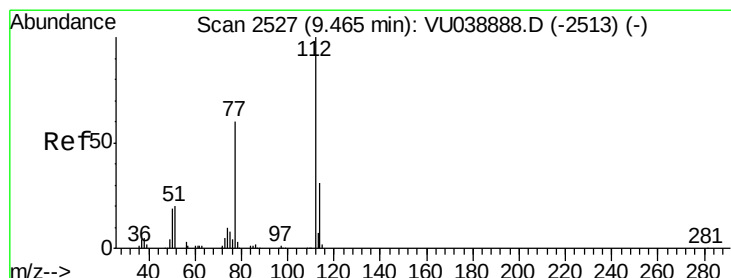
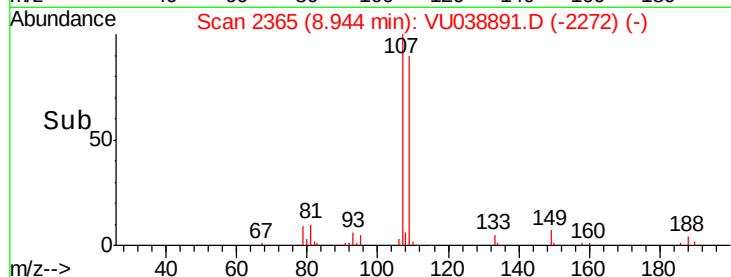
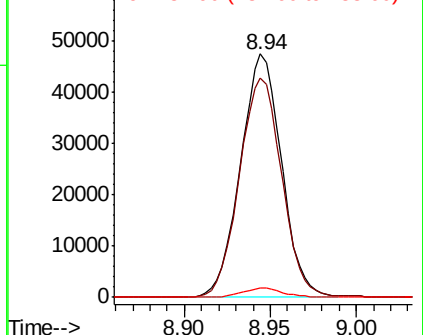
107 100

109 90.0 67.5 125.4

188 3.8 2.9 4.3



Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 4.959 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. 0.00 min

Lab File: VU038891.D

Acq: 15 Jun 2020 14:31

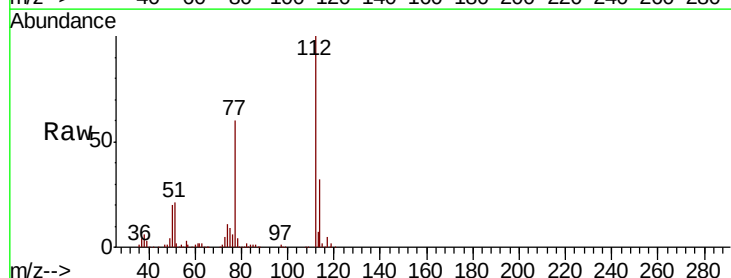
Tgt Ion:112 Resp: 278904

Ion Ratio Lower Upper

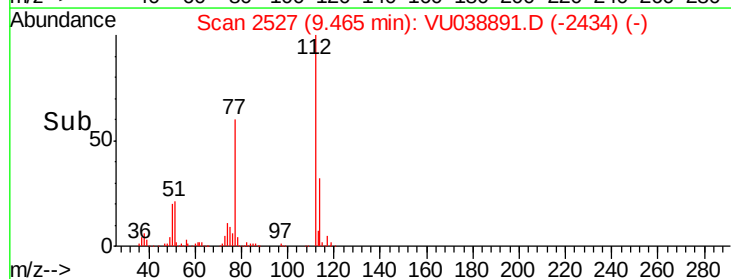
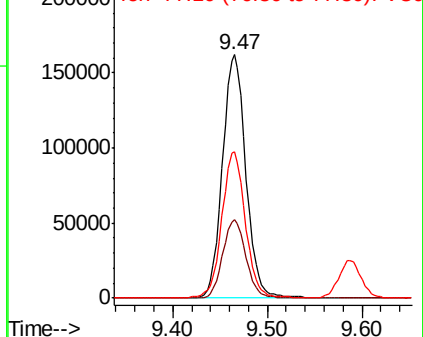
112 100

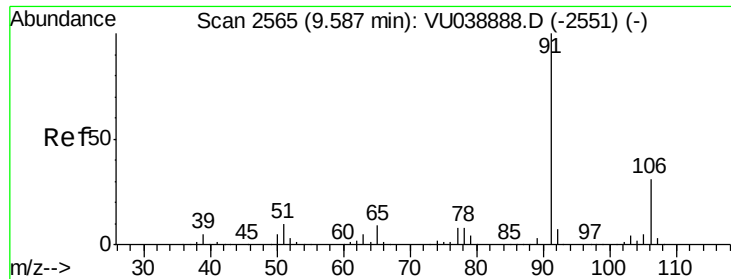
114 32.1 21.8 40.4

77 60.1 48.3 72.5



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 4.844 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. 0.00 min

Lab File: VU038891.D

Acq: 15 Jun 2020 14:31

Instrument :

MSVOA_U

ClientSampleId :

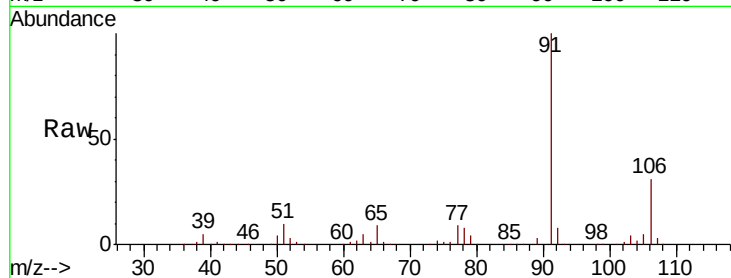
BFB13

Tot Ion: 91 Resp: 465814

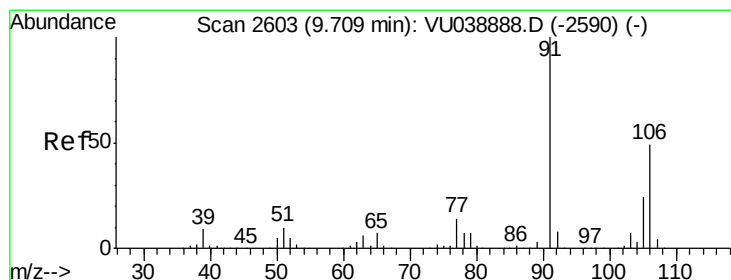
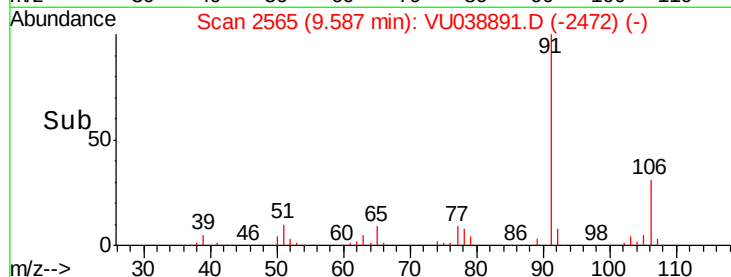
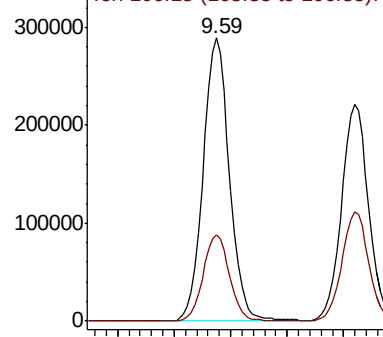
Ion Ratio Lower Upper

91 100

106 30.5 22.0 40.8



Abundance Ion 91.15 (90.85 to 91.85): VU038891.D (-2551) (-)



#53

m,p-Xylene

Concen: 5.116 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VU038891.D

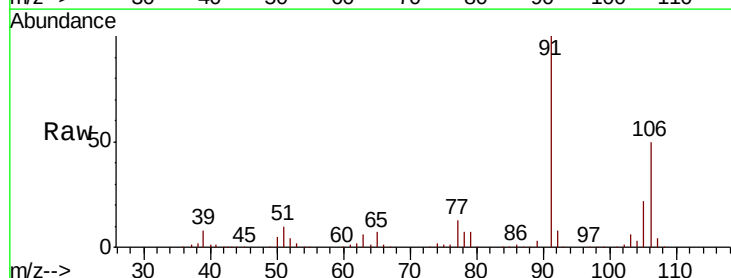
Acq: 15 Jun 2020 14:31

Tgt Ion: 106 Resp: 184884

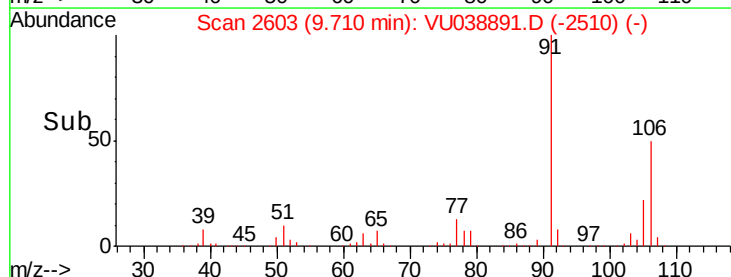
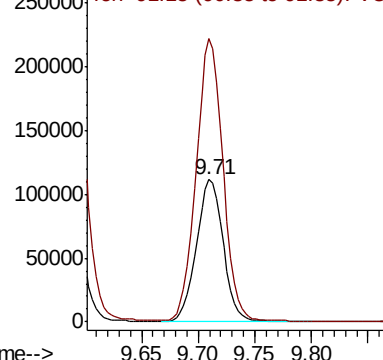
Ion Ratio Lower Upper

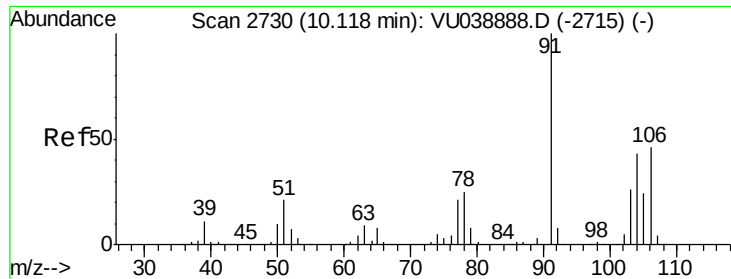
106 100

91 199.2 143.1 265.7



Abundance Ion 106.15 (105.85 to 106.85): VU038891.D (-2510) (-)

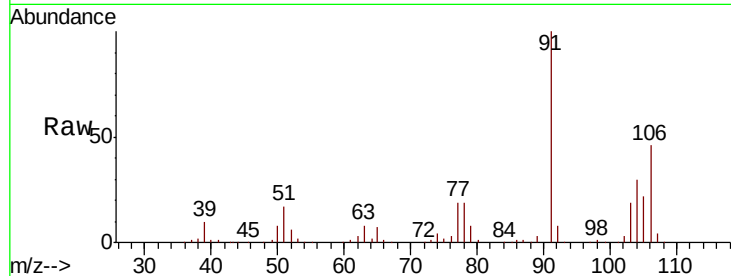




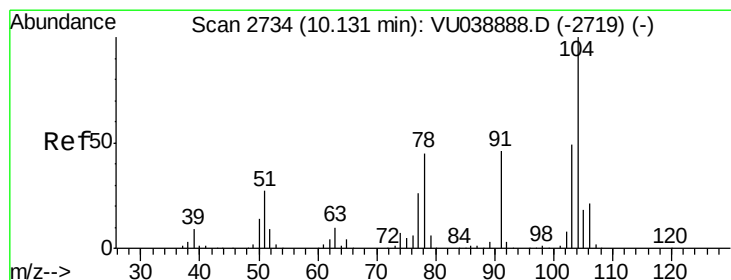
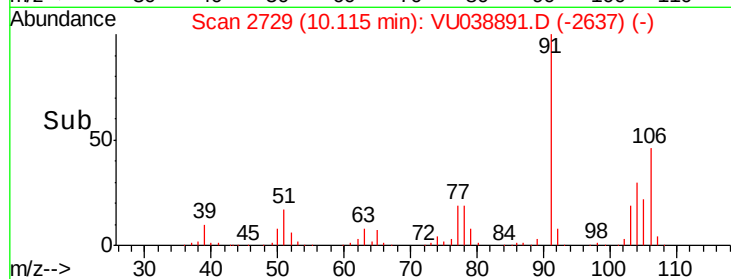
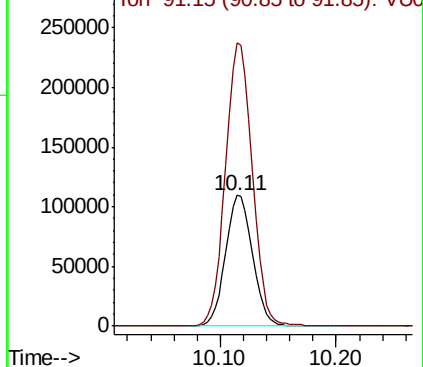
#54
o-Xylene
Concen: 5.050 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU038891.D
Acq: 15 Jun 2020 14:31

Instrument :
MSVOA_U
ClientSampled :
BFB13

Tot Ion:106 Resp: 175585
Ion Ratio Lower Upper
106 100
91 216.3 152.0 282.4

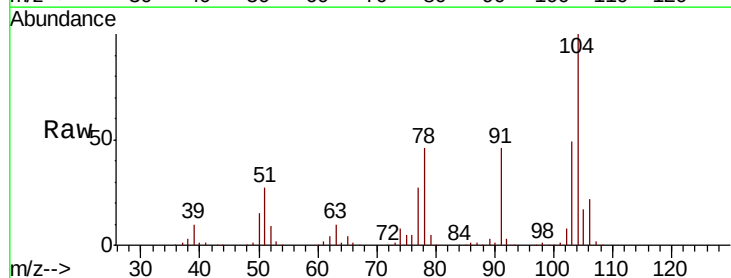


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

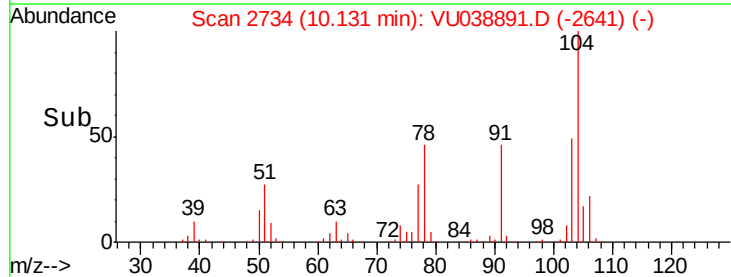
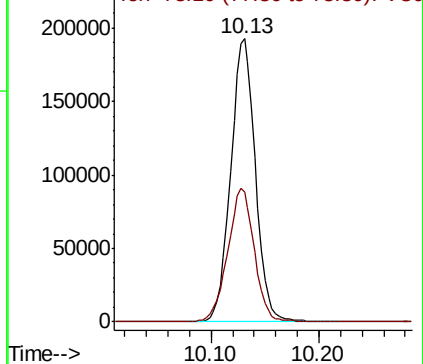


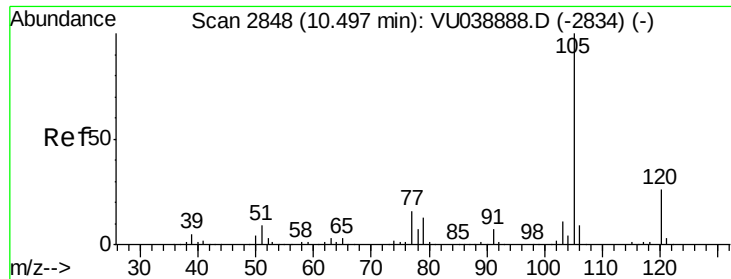
#55
Styrene
Concen: 5.097 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU038891.D
Acq: 15 Jun 2020 14:31

Tgt Ion:104 Resp: 307790
Ion Ratio Lower Upper
104 100
78 45.8 31.8 59.0



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





#56

Isopropylbenzene

Concen: 5.069 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. 0.00 min

Lab File: VU038891.D

Acq: 15 Jun 2020 14:31

Instrument :

MSVOA_U

ClientSampleId :

BFB13

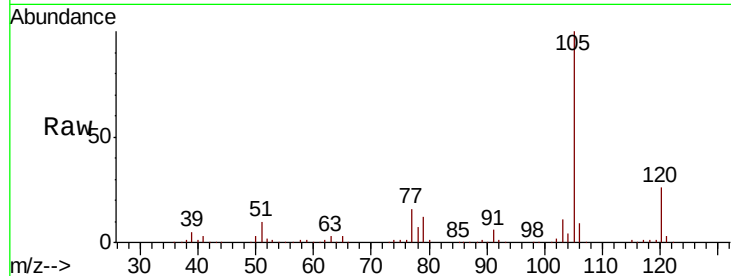
Tot Ion:105 Resp: 457651

Ion Ratio Lower Upper

105 100

120 26.4 20.6 30.8

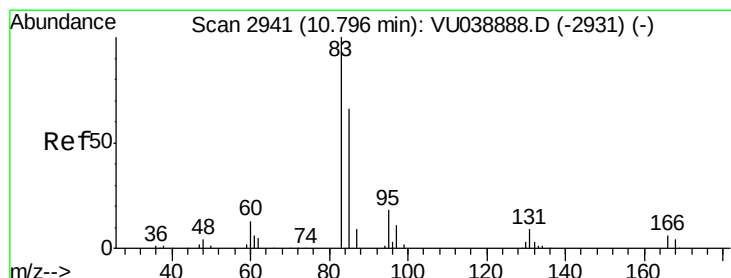
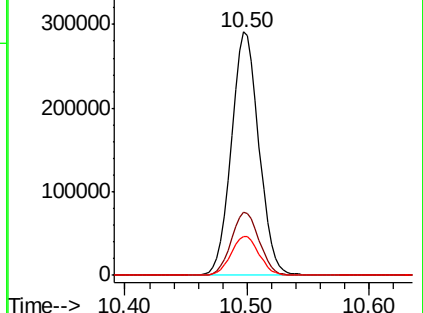
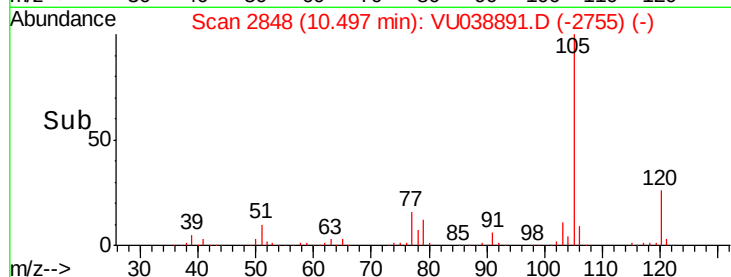
77 16.3 12.6 19.0



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: 4.881 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. 0.00 min

Lab File: VU038891.D

Acq: 15 Jun 2020 14:31

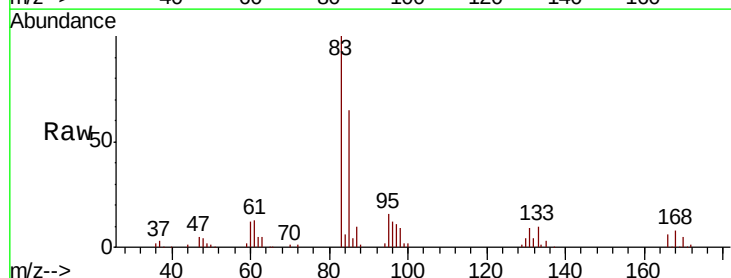
Tgt Ion: 83 Resp: 101210

Ion Ratio Lower Upper

83 100

85 64.5 46.3 85.9

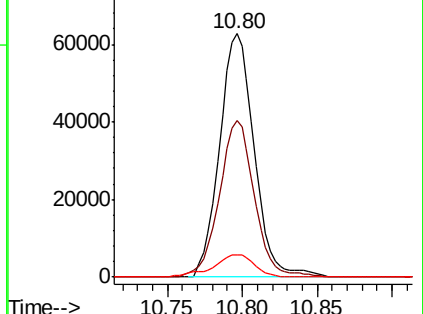
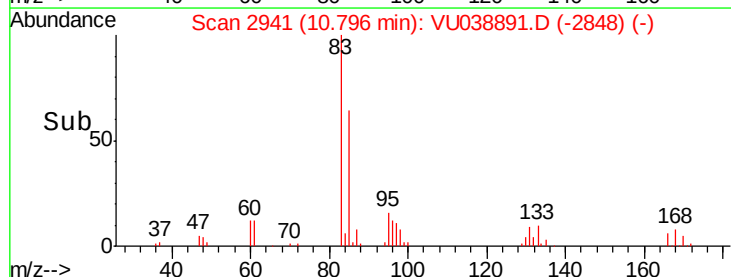
131 9.2 8.3 12.5

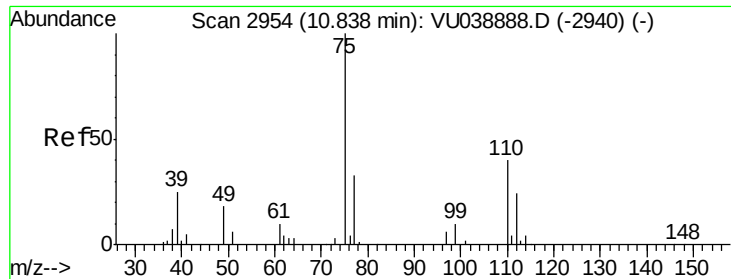


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.847 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. 0.00 min

Lab File: VU038891.D

Acq: 15 Jun 2020 14:31

Instrument :

MSVOA_U

ClientSampleId :

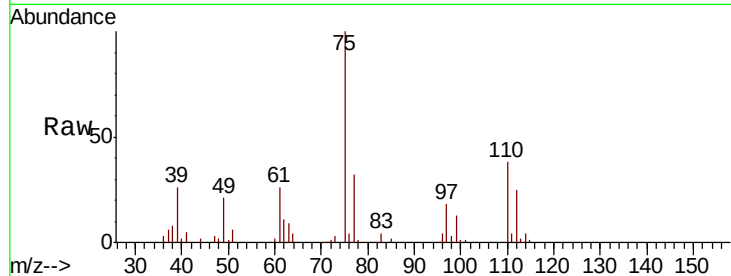
BFB13

Tot Ion: 75 Resp: 79048

Ion Ratio Lower Upper

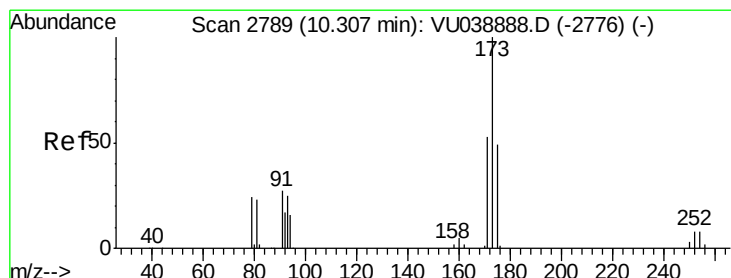
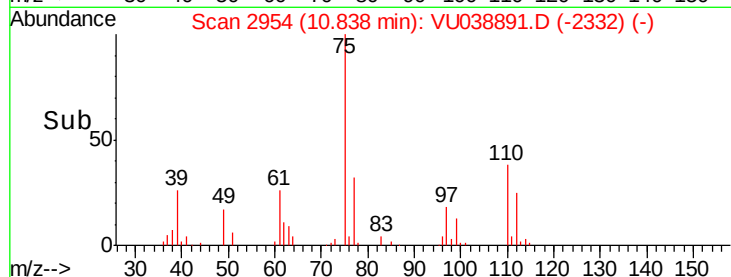
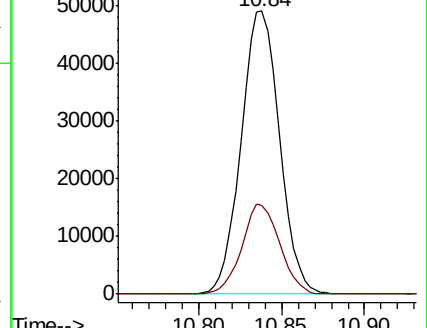
75 100

77 31.5 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VU038888.D (-2940) (-)

Ion 77.00 (76.70 to 77.70): VU038888.D (-2940) (-)



#61

Bromoform

Concen: 4.819 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. 0.00 min

Lab File: VU038891.D

Acq: 15 Jun 2020 14:31

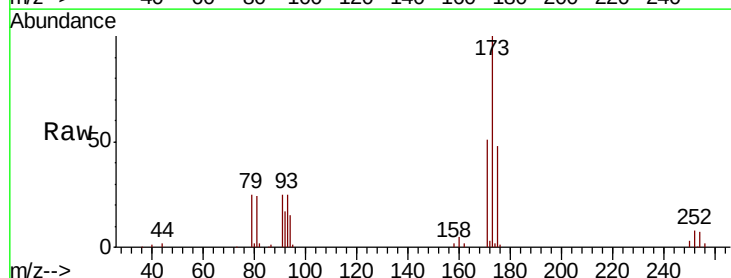
Tgt Ion: 173 Resp: 52899

Ion Ratio Lower Upper

173 100

175 49.1 39.0 58.4

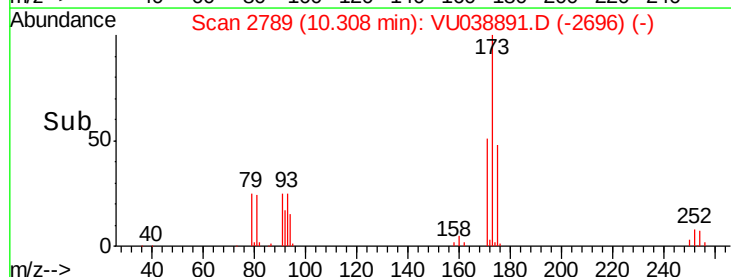
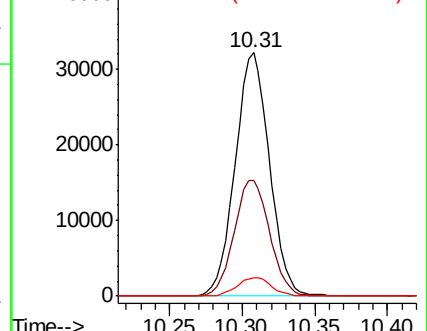
254 7.5 6.0 9.0

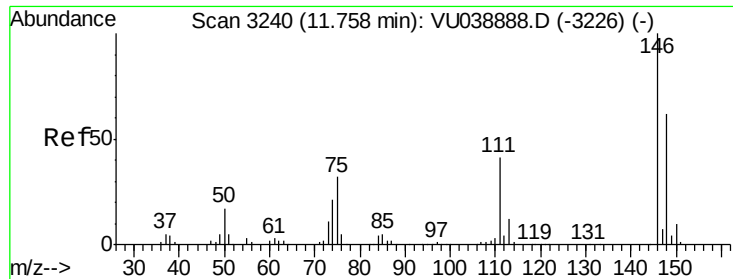


Abundance Ion 172.90 (172.60 to 173.60): VU038888.D (-2776) (-)

Ion 174.90 (174.60 to 175.60): VU038888.D (-2776) (-)

Ion 253.75 (253.45 to 254.45): VU038888.D (-2776) (-)





#62

1,3-Dichlorobenzene

Concen: 5.020 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. 0.00 min

Lab File: VU038891.D

Acq: 15 Jun 2020 14:31

Instrument :

MSVOA_U

ClientSampleId :

BFB13

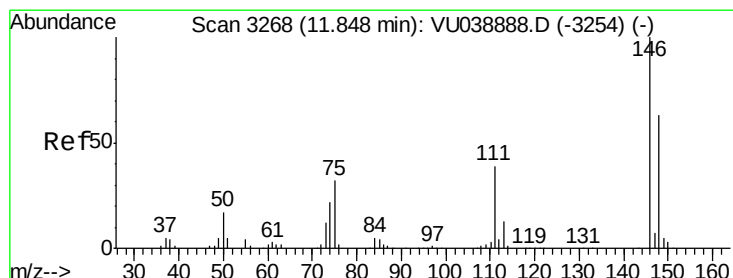
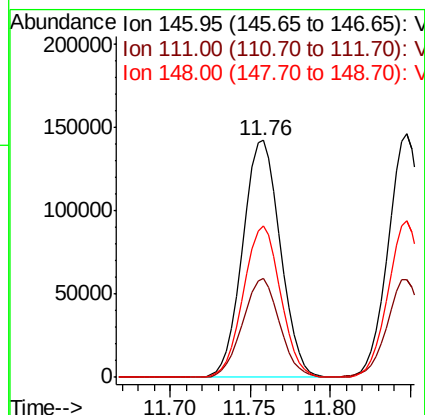
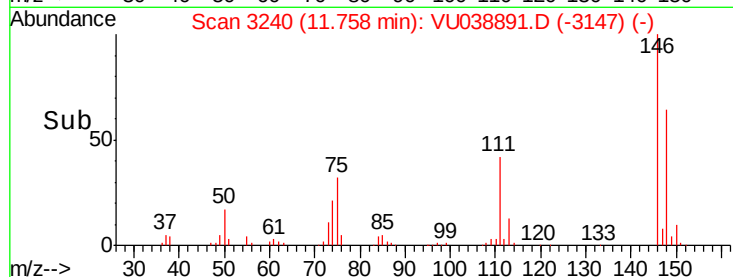
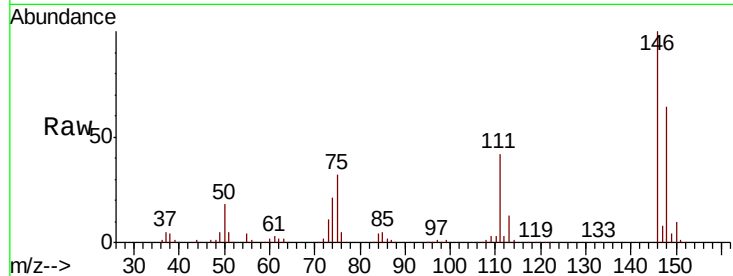
Tot Ion:146 Resp: 227930

Ion Ratio Lower Upper

146 100

111 41.5 29.0 53.8

148 64.2 43.7 81.1



#63

1,4-Dichlorobenzene

Concen: 4.960 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. 0.00 min

Lab File: VU038891.D

Acq: 15 Jun 2020 14:31

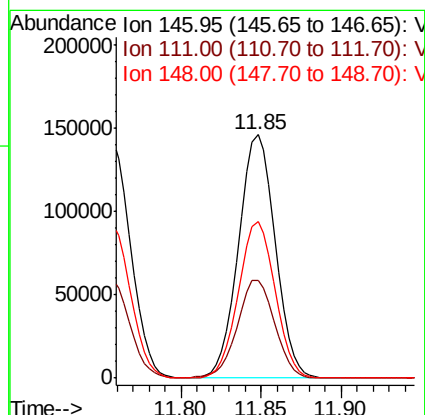
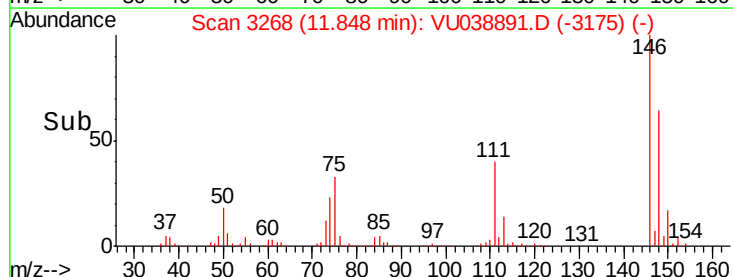
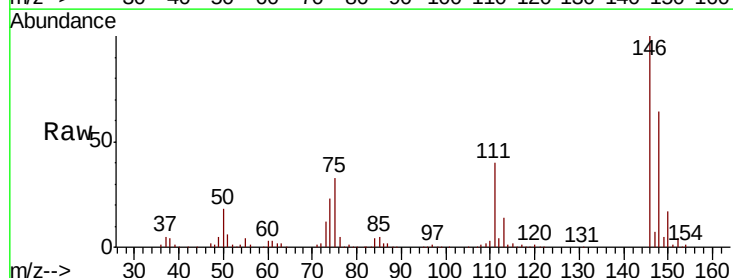
Tgt Ion:146 Resp: 228142

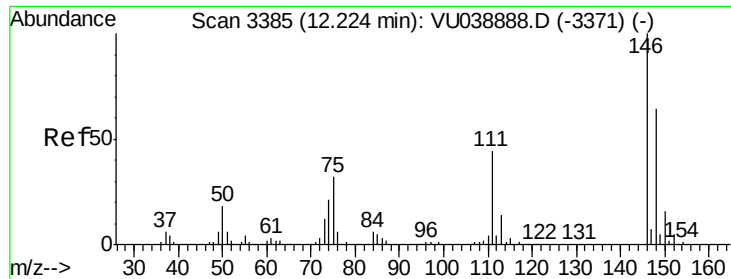
Ion Ratio Lower Upper

146 100

111 40.4 27.7 51.5

148 64.4 44.1 81.9





#65

1,2-Dichlorobenzene

Concen: 4.818 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. 0.00 min

Lab File: VU038891.D

Acq: 15 Jun 2020 14:31

Instrument :

MSVOA_U

ClientSampleId :

BFB13

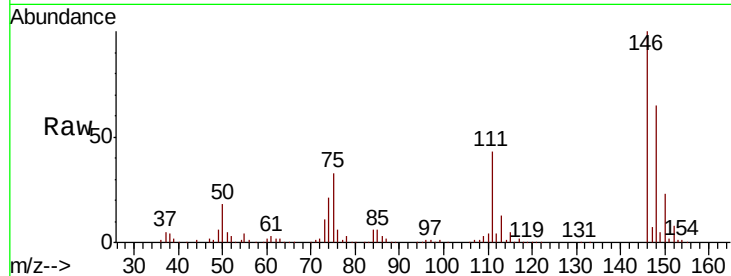
Tot Ion:146 Resp: 217400

Ion Ratio Lower Upper

146 100

111 42.6 35.1 52.7

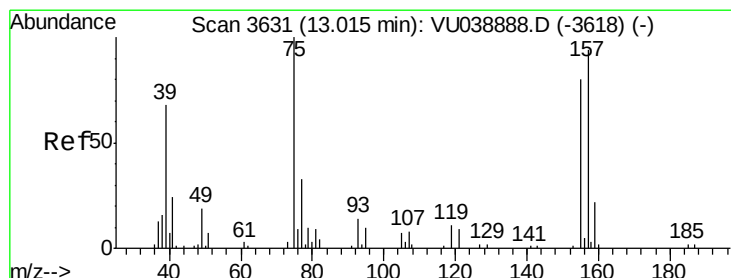
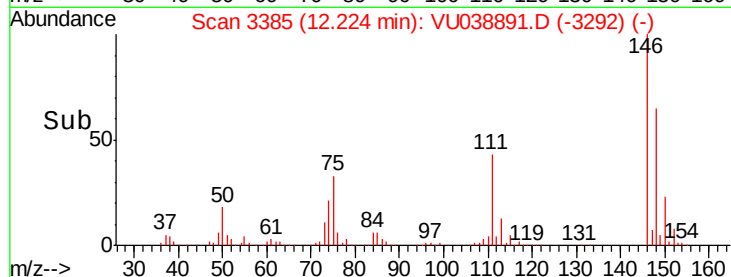
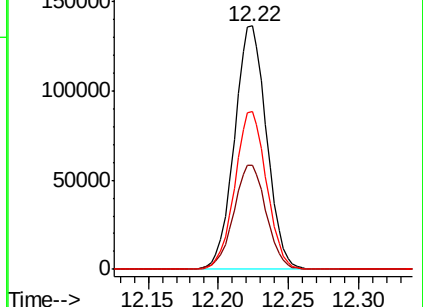
148 64.9 51.4 77.2



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: 4.849 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. 0.00 min

Lab File: VU038891.D

Acq: 15 Jun 2020 14:31

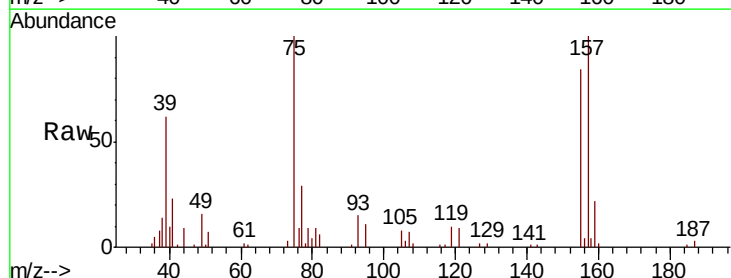
Tgt Ion: 75 Resp: 19374

Ion Ratio Lower Upper

75 100

155 84.2 64.0 96.0

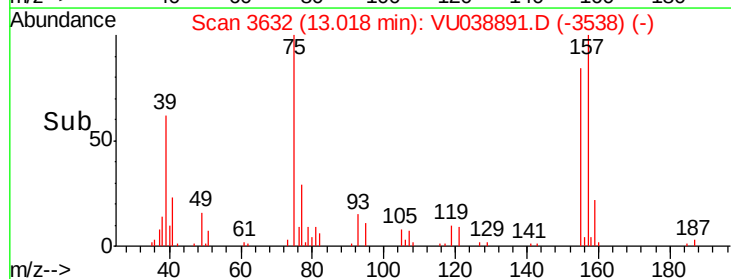
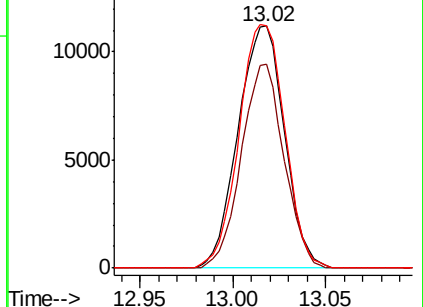
157 100.1 75.4 113.2

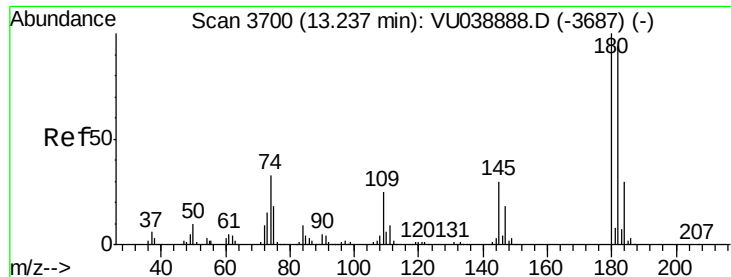


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

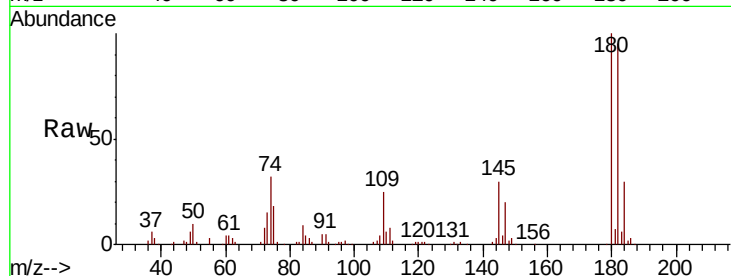




#67
 1,3,5-Trichlorobenzene
 Concen: 4.949 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. 0.00 min
 Lab File: VU038891.D
 Acq: 15 Jun 2020 14:31

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB13

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	75.8	113.6
184	29.8	24.6	36.8
145	29.6	25.0	37.6



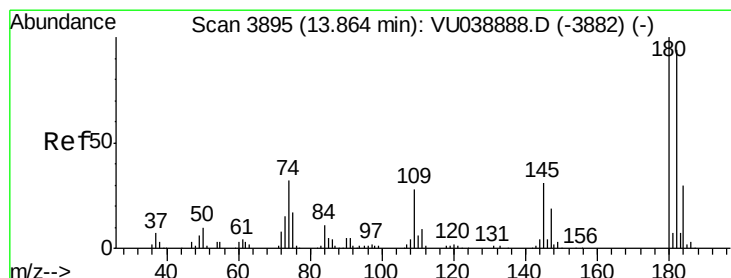
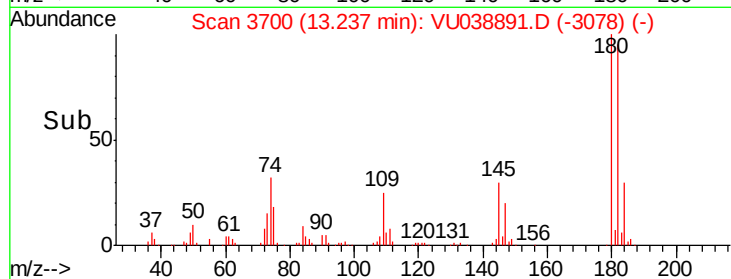
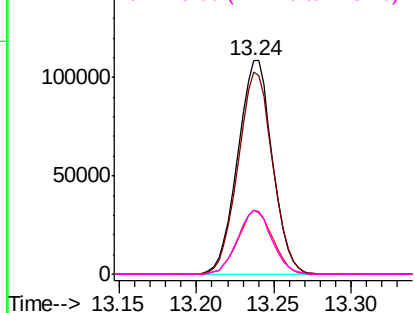
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

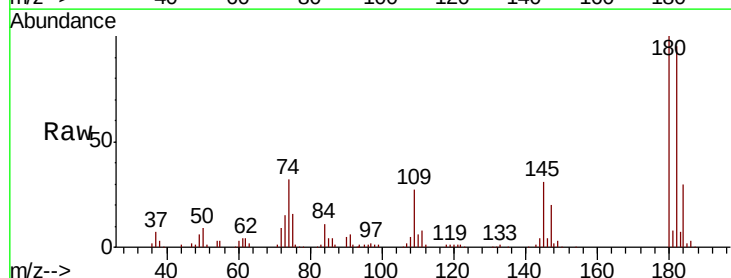
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.254 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. 0.00 min
 Lab File: VU038891.D
 Acq: 15 Jun 2020 14:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.9	113.9
145	30.9	24.7	37.1

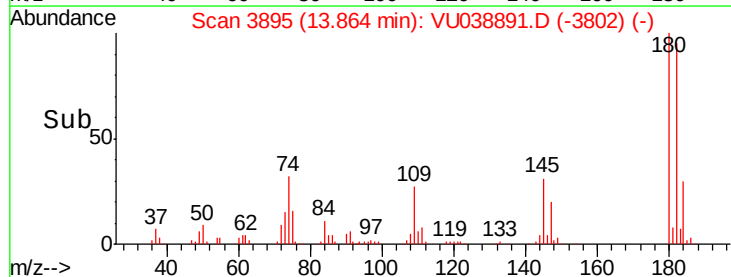
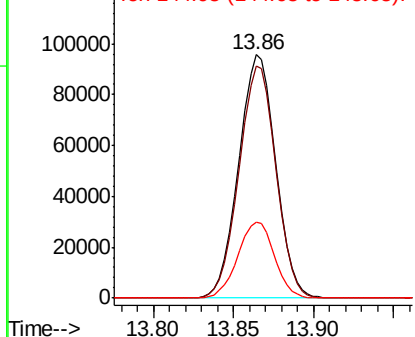


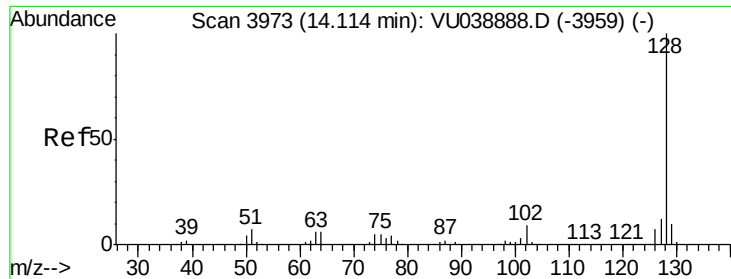
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.485 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. -0.00 min

Lab File: VU038891.D

Acq: 15 Jun 2020 14:31

Instrument :

MSVOA_U

ClientSampleId :

BFB13

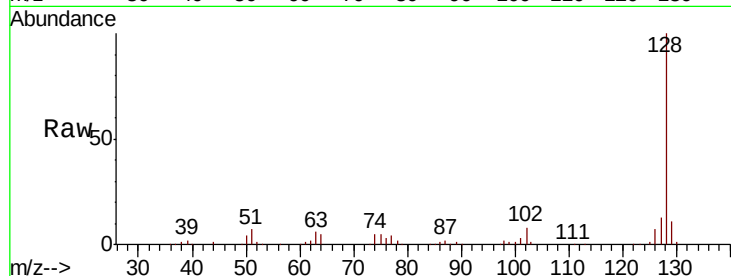
Tot Ion:128 Resp: 295505

Ion Ratio Lower Upper

128 100

129 10.7 8.2 12.4

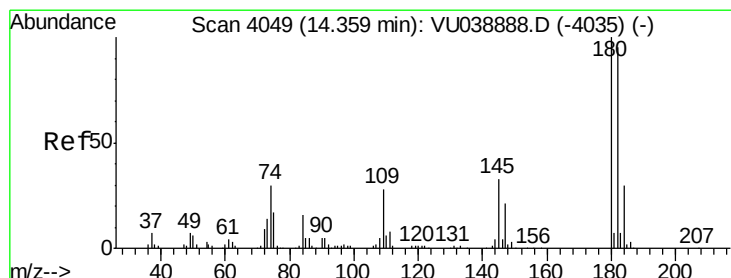
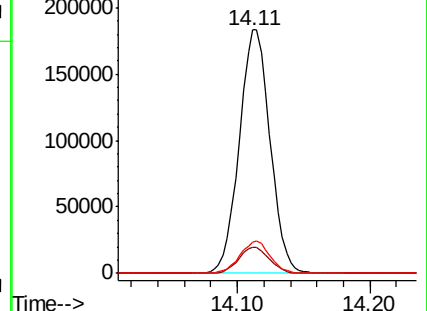
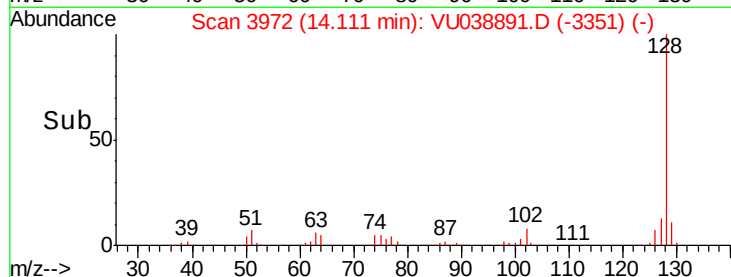
127 13.0 10.1 15.1



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: 5.400 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. 0.00 min

Lab File: VU038891.D

Acq: 15 Jun 2020 14:31

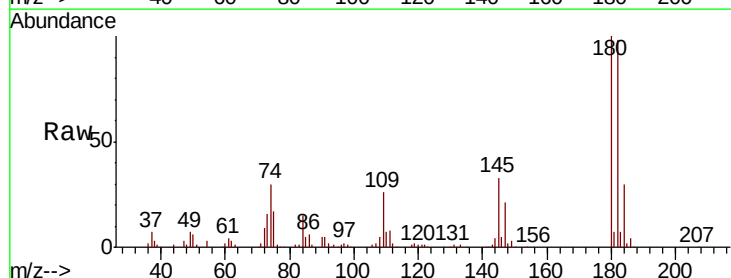
Tgt Ion:180 Resp: 144792

Ion Ratio Lower Upper

180 100

182 95.5 75.1 112.7

145 33.1 26.8 40.2



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

