

Data File : VU038890.D
Acq On : 15 Jun 2020 13:44
Operator : SY/MD
Sample : VSTD020
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD02001

Quant Time: Jun 15 14:02:05 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061520WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jun 15 13:39:45 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	306467	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	318071	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	169244	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	294489	17.63	ug/L	0.00
7) Chloroethane-d5	1.93	69	278531	20.76	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	732603	19.29	ug/L	0.00
20) 2-Butanone-d5	4.68	46	1145118	218.44	ug/L	0.00
24) Chloroform-d	5.10	84	729562	19.73	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	399741	19.12	ug/L	0.00
32) Benzene-d6	5.76	84	1381689	18.58	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	425402	19.14	ug/L	0.00
41) Toluene-d8	7.92	98	1350918	19.82	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	199498	20.20	ug/L	0.00
46) 2-Hexanone-d5	8.66	63	1015636	231.48	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	404079	20.77	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	537937	19.53	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	571409	19.139 ug/L	98
3) Chloromethane	1.53	50	496785	20.172 ug/L	100
5) Vinyl chloride	1.62	62	536549	20.507 ug/L	99
6) Bromomethane	1.87	94	332248	22.132 ug/L	99
8) Chloroethane	1.95	64	369337	22.856 ug/L	100
9) Trichlorofluoromethane	2.16	101	908852	23.406 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	441578	19.883 ug/L	98
12) 1,1-Dichloroethene	2.60	96	439422	20.473 ug/L	93
13) Acetone	2.69	43	913064	214.688 ug/L	99
14) Carbon disulfide	2.82	76	1453270	19.891 ug/L	99
15) Methyl Acetate	2.99	43	229807	22.119 ug/L	99
16) Methylene chloride	3.08	84	480320	19.465 ug/L	95
17) Methyl tert-butyl Ether	3.40	73	1254400	22.683 ug/L	98
18) trans-1,2-Dichloroethene	3.38	96	471010	20.437 ug/L	99
19) 1,1-Dichloroethane	3.91	63	861761	20.777 ug/L	98
21) 2-Butanone	4.76	43	1577260	225.765 ug/L	100
22) cis-1,2-Dichloroethene	4.71	96	503969	20.996 ug/L	99
23) Bromochloromethane	5.01	128	233628	20.763 ug/L	99
25) Chloroform	5.12	83	880590	20.592 ug/L	100
27) 1,2-Dichloroethane	5.83	62	626104	20.999 ug/L	97
29) 1,1,1-Trichloroethane	5.35	97	788274	20.082 ug/L	99
30) Cyclohexane	5.42	56	752194	19.773 ug/L	99
31) Carbon tetrachloride	5.56	117	665159	20.074 ug/L	100
33) Benzene	5.81	78	1917666	19.953 ug/L	100
34) Trichloroethene	6.57	95	495753	19.753 ug/L	98
35) Methylcyclohexane	6.79	83	789282	20.225 ug/L	98
37) 1,2-Dichloropropane	6.82	63	497683	20.556 ug/L	100
38) Bromodichloromethane	7.13	83	656460	20.900 ug/L	100
39) cis-1,3-Dichloropropene	7.63	75	782423	21.801 ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	3871938	238.957 ug/L	99

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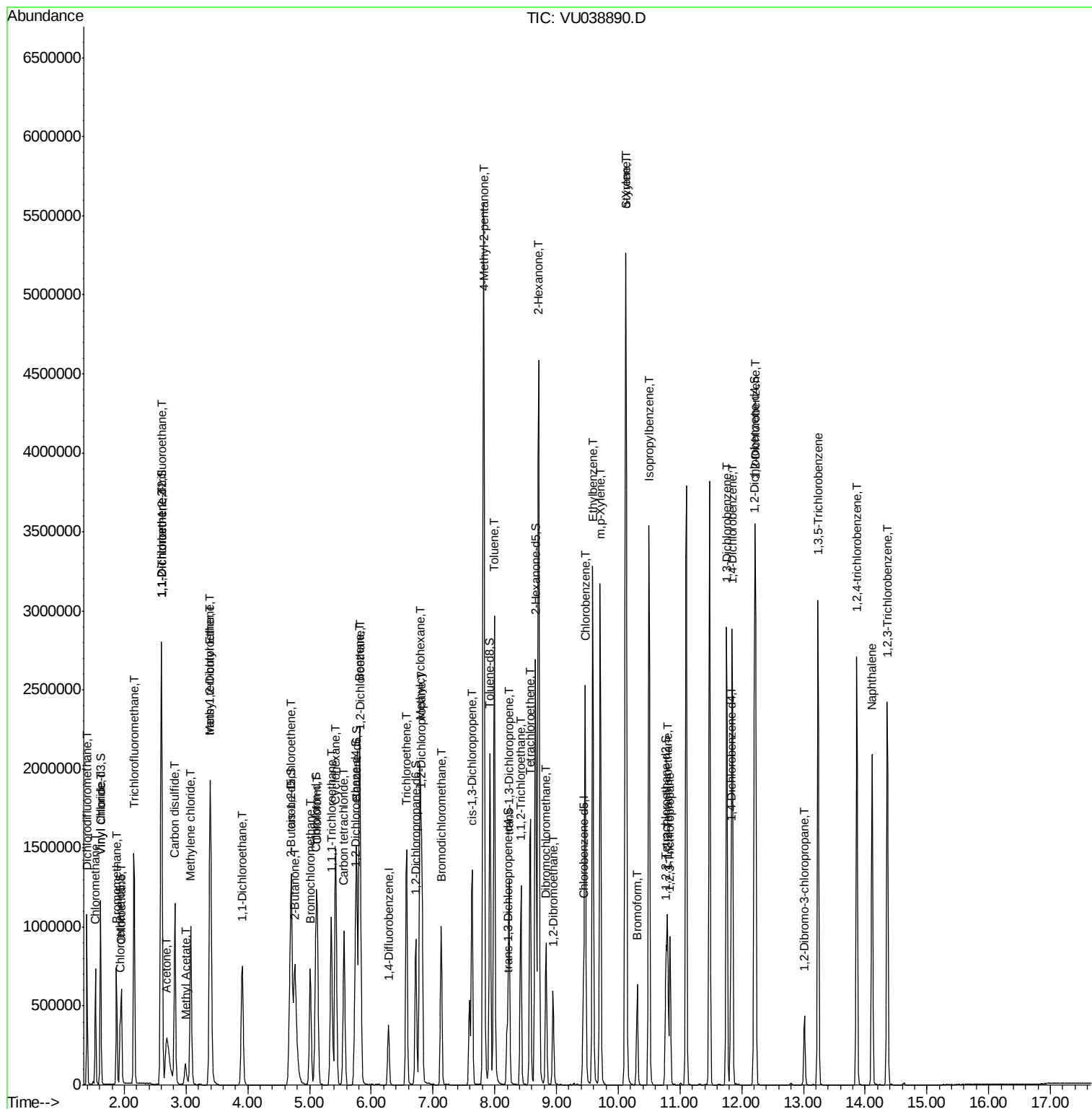
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	2164922	21.337	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	703164	21.997	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	383987	20.795	ug/L	99
47) Tetrachloroethene	8.57	164	376734	19.498	ug/L	99
48) 2-Hexanone	8.71	43	2931787	235.534	ug/L	100
49) Dibromochloromethane	8.83	129	456004	22.122	ug/L	97
50) 1,2-Dibromoethane	8.94	107	375345	20.824	ug/L	98
51) Chlorobenzene	9.47	112	1328038	20.324	ug/L	99
52) Ethylbenzene	9.59	91	2367249	21.177	ug/L	98
53) m,p-Xylene	9.71	106	910142	21.548	ug/L	99
54) o-Xylene	10.11	106	888532	21.909	ug/L	100
55) Styrene	10.13	104	1615375	23.146	ug/L	100
56) Isopropylbenzene	10.50	105	2335240	21.541	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	501002	21.820	ug/L	97
59) 1,2,3-Trichloropropane	10.84	75	385919	21.487	ug/L	99
61) Bromoform	10.31	173	279760	22.952	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	1119456	20.489	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	1113281	19.975	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	1137869	22.138	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	111974	26.860	ug/L	94
67) 1,3,5-Trichlorobenzene	13.24	180	902571	22.550	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	791602	22.351	ug/L	100
69) Naphthalene	14.11	128	1623347	24.144	ug/L	98
70) 1,2,3-Trichlorobenzene	14.36	180	717637	22.165	ug/L	98

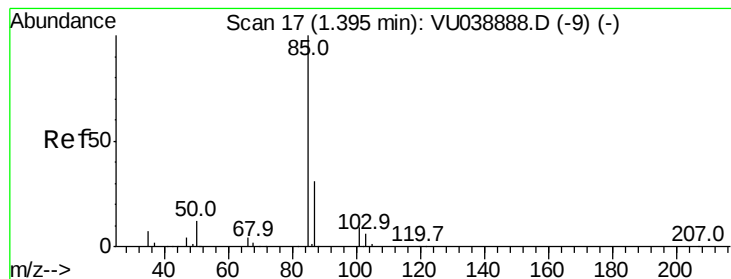
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 19.139 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038890.D

Acq: 15 Jun 2020 13:44

Instrument :

MSVOA_U

ClientSampleId :

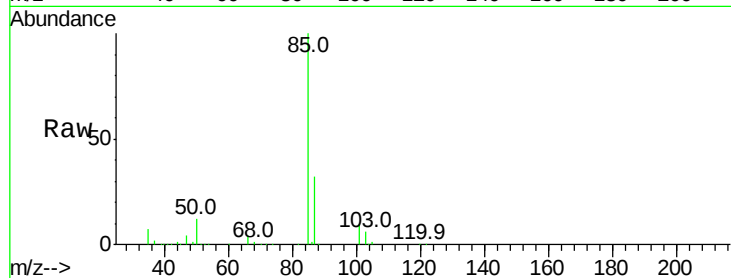
VSTD02001

Tgt Ion: 85 Resp: 571409

Ion Ratio Lower Upper

85 100

87 32.4 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

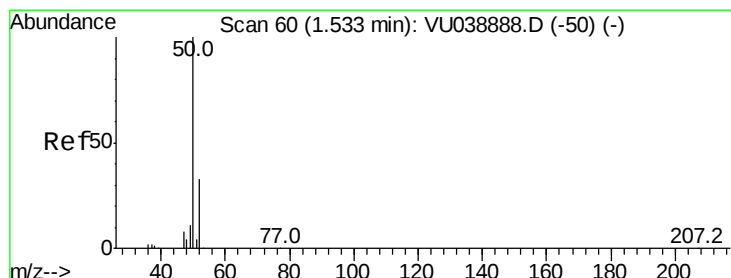
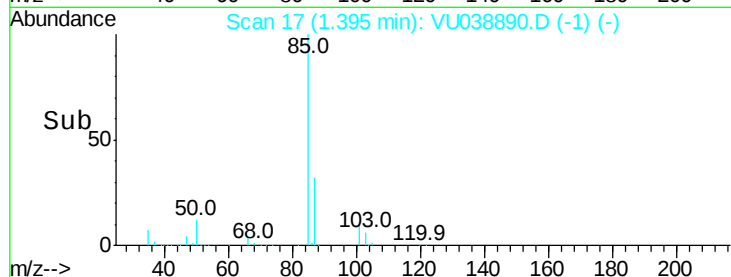
600000

400000

200000

0

Time-->



#3

Chloromethane

Concen: 20.172 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU038890.D

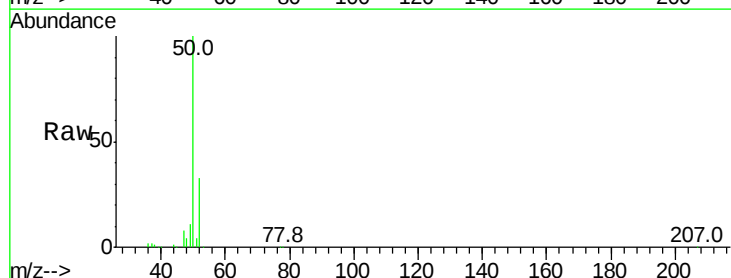
Acq: 15 Jun 2020 13:44

Tgt Ion: 50 Resp: 496785

Ion Ratio Lower Upper

50 100

52 32.8 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

500000

400000

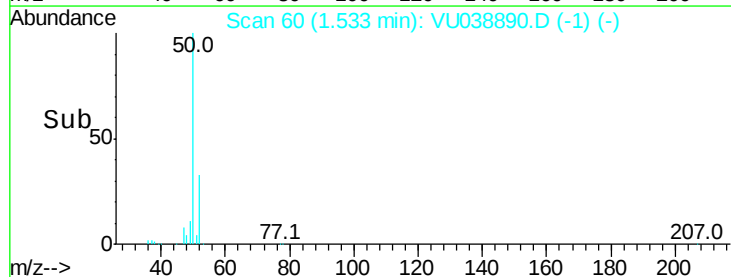
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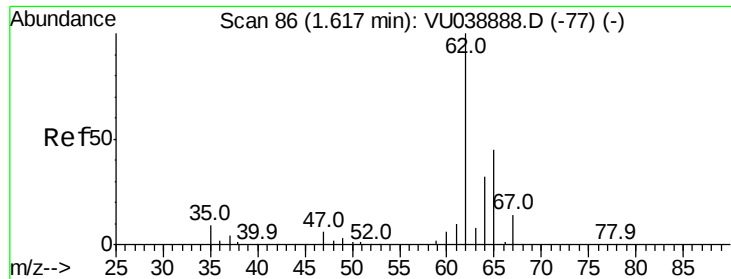
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 20.507 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038890.D

Acq: 15 Jun 2020 13:44

Instrument :

MSVOA_U

ClientSampled :

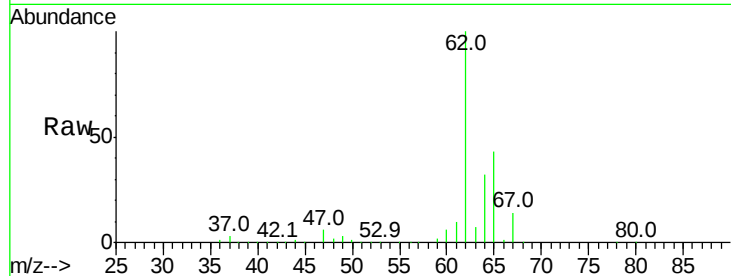
VSTD02001

Tgt Ion: 62 Resp: 536549

Ion Ratio Lower Upper

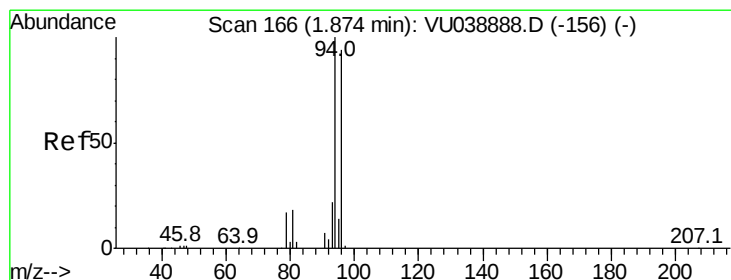
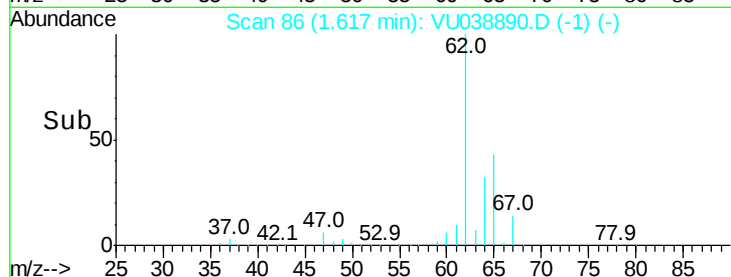
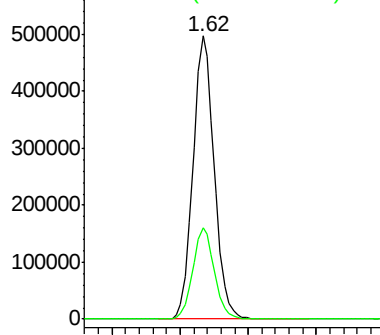
62 100

64 32.4 22.2 41.2



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 22.132 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU038890.D

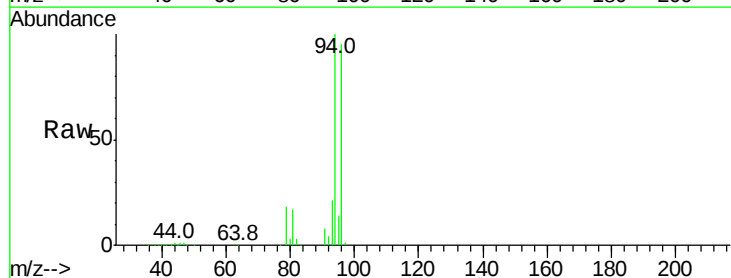
Acq: 15 Jun 2020 13:44

Tgt Ion: 94 Resp: 332248

Ion Ratio Lower Upper

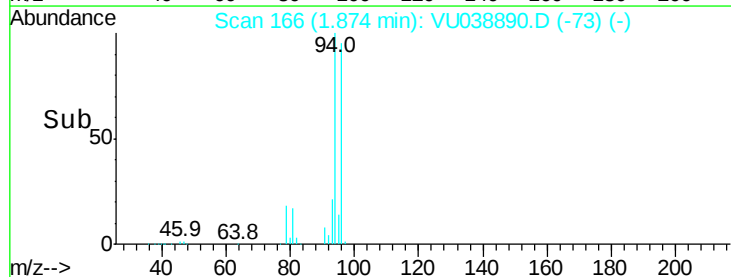
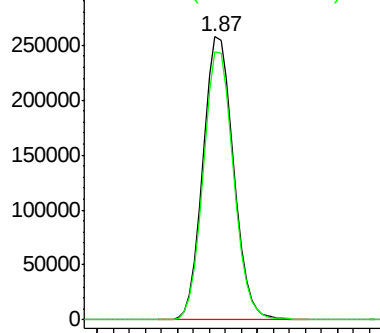
94 100

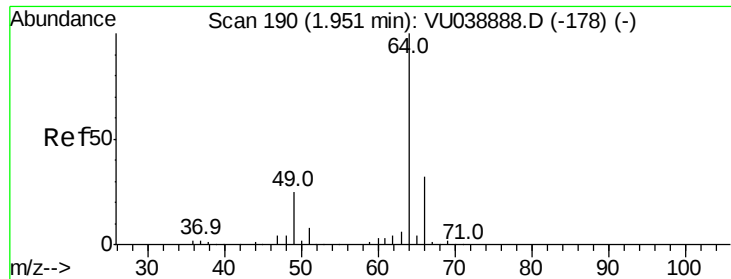
96 94.7 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

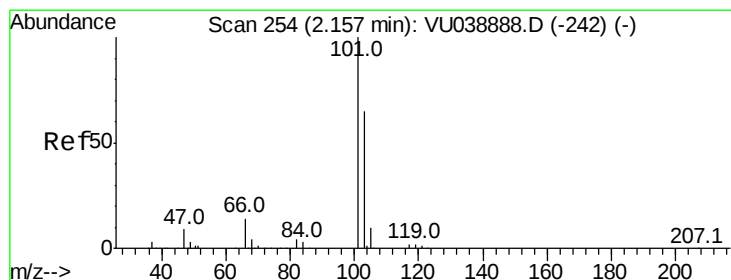
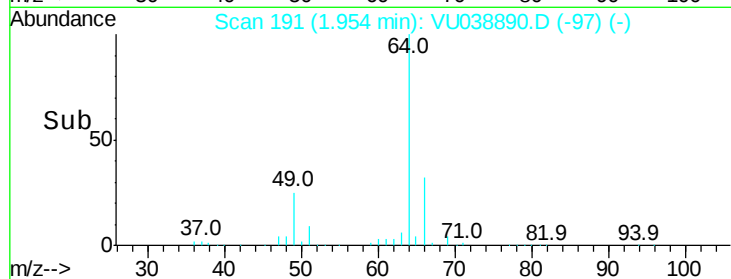
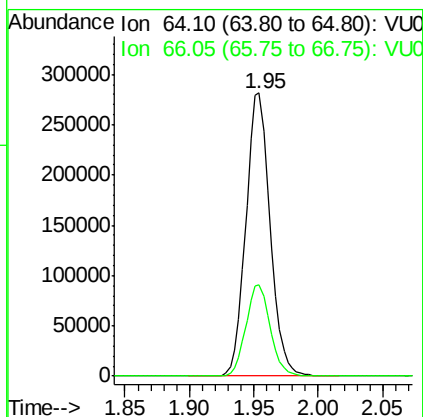
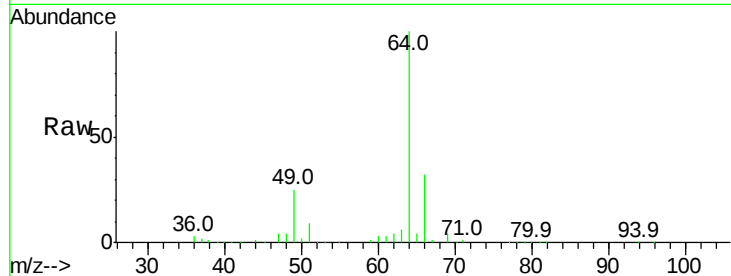




#8
Chloroethane
Concen: 22.856 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.00 min
Lab File: VU038890.D
Acq: 15 Jun 2020 13:44

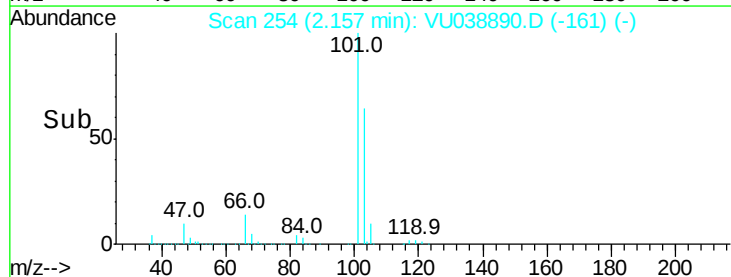
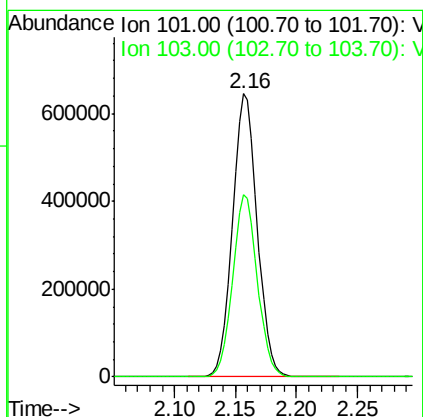
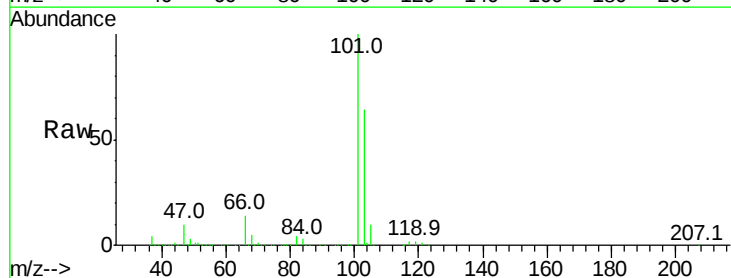
Instrument :
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ClientSampleId :
VSTD02001

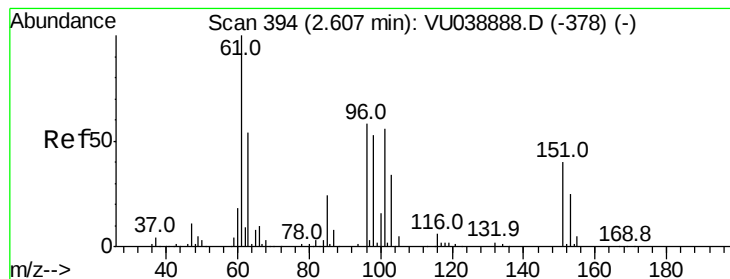
Tgt Ion: 64 Resp: 369337
Ion Ratio Lower Upper
64 100
66 32.2 22.6 42.0



#9
Trichlorofluoromethane
Concen: 23.406 ug/L
RT: 2.16 min Scan# 254
Delta R.T. 0.00 min
Lab File: VU038890.D
Acq: 15 Jun 2020 13:44

Tgt Ion: 101 Resp: 908852
Ion Ratio Lower Upper
101 100
103 64.2 51.1 76.7





#10

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

Concen: 19.883 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038890.D

Acq: 15 Jun 2020 13:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD02001

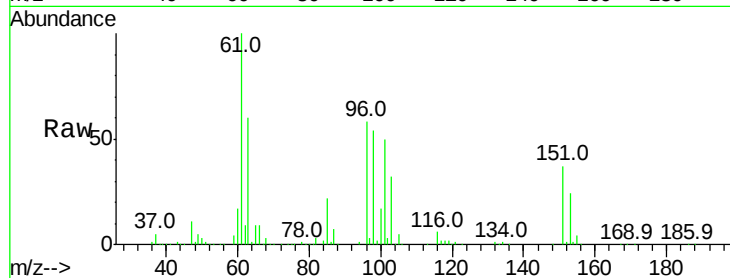
Tgt Ion:101 Resp: 441578

Ion Ratio Lower Upper

101 100

85 43.4 35.3 52.9

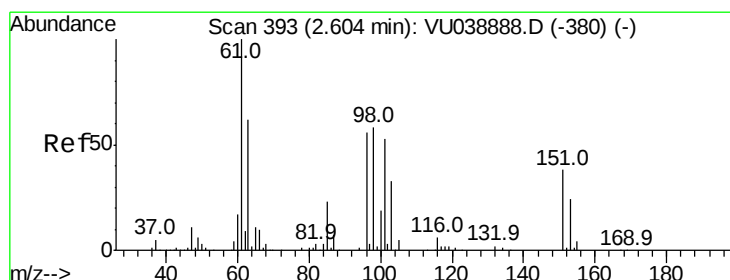
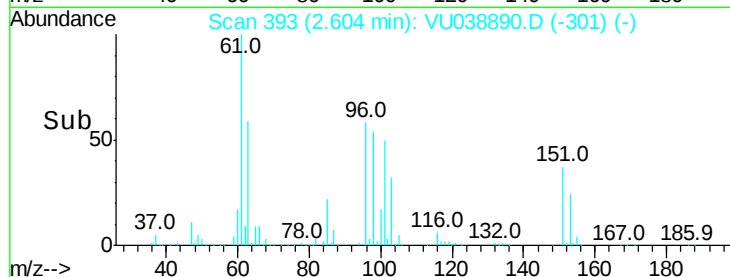
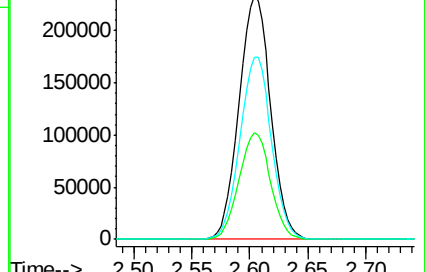
151 74.5 57.4 86.2



Abundance Ion 101.00 (100.70 to 101.70): VU038888.D (-378) (-)

Ion 85.00 (84.70 to 85.70): VU038888.D (-378) (-)

Ion 151.00 (150.70 to 151.70): VU038888.D (-378) (-)



#12

1,1-Dichloroethene

Concen: 20.473 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU038890.D

Acq: 15 Jun 2020 13:44

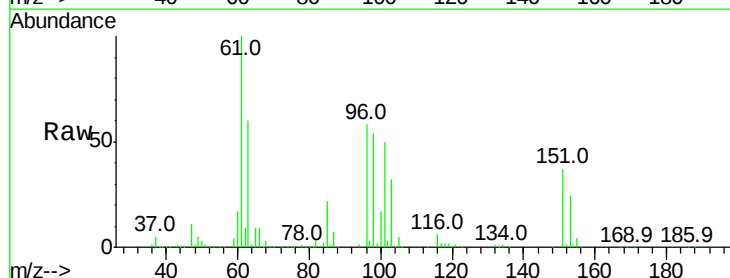
Tgt Ion: 96 Resp: 439422

Ion Ratio Lower Upper

96 100

61 171.7 124.9 232.1

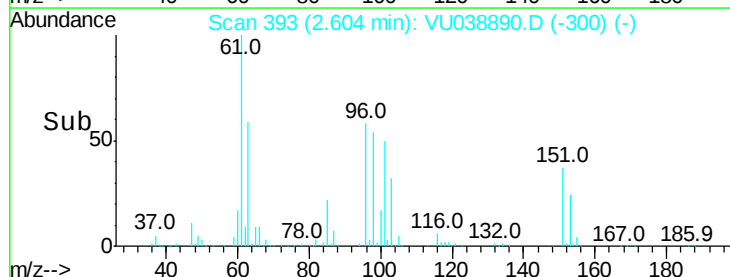
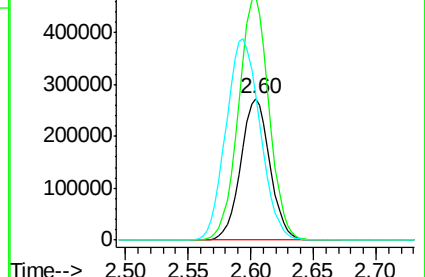
63 102.2 79.1 146.9

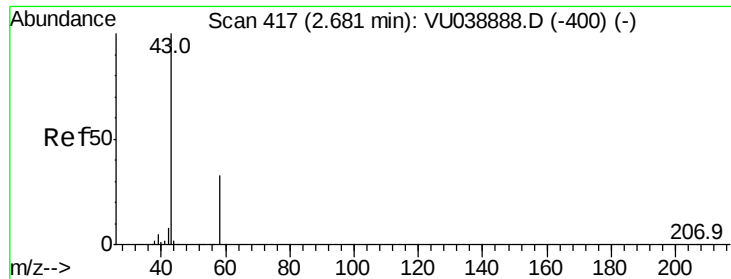


Abundance Ion 96.00 (95.70 to 96.70): VU038888.D (-380) (-)

Ion 61.05 (60.75 to 61.75): VU038888.D (-380) (-)

Ion 63.00 (62.70 to 63.70): VU038888.D (-380) (-)





#13

Acetone

Concen: 214.688 ug/L

RT: 2.69 min Scan# 420

Delta R.T. 0.01 min

Lab File: VU038890.D

Acq: 15 Jun 2020 13:44

Instrument :

MSVOA_U

ClientSampleId :

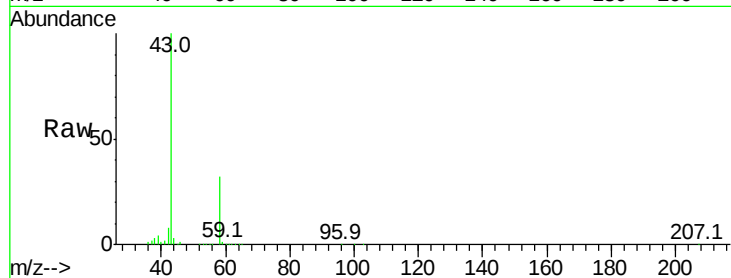
VSTD02001

Tgt Ion: 43 Resp: 913064

Ion Ratio Lower Upper

43 100

58 32.4 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) (-)

2.69

200000

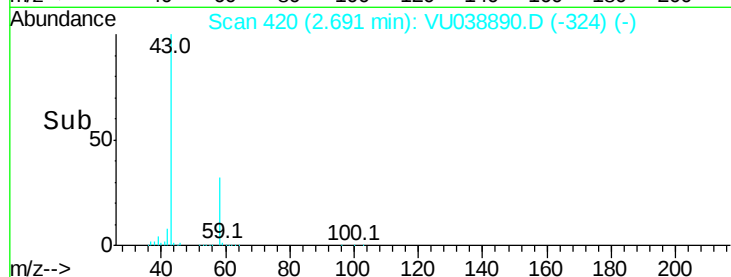
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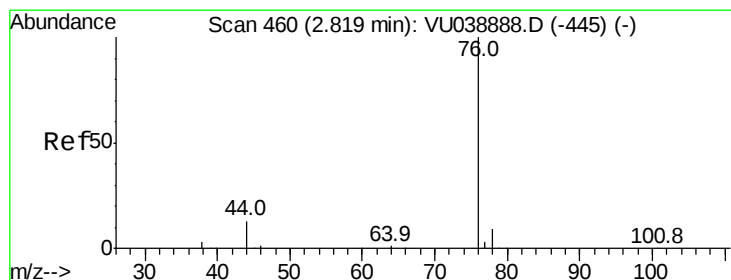
50000

0

Time-->



Time-->



#14

Carbon disulfide

Concen: 19.891 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU038890.D

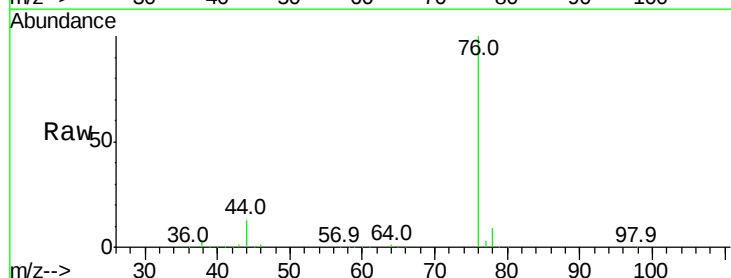
Acq: 15 Jun 2020 13:44

Tgt Ion: 76 Resp: 1453270

Ion Ratio Lower Upper

76 100

78 9.2 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) (-)

2.82

1000000

800000

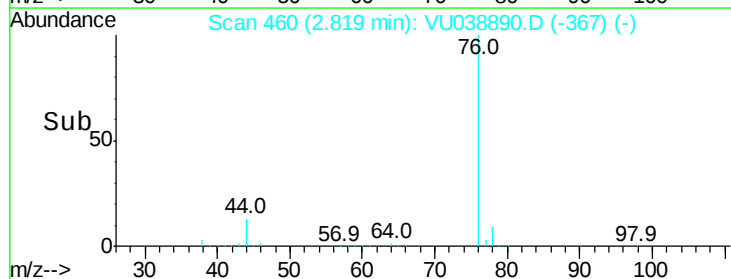
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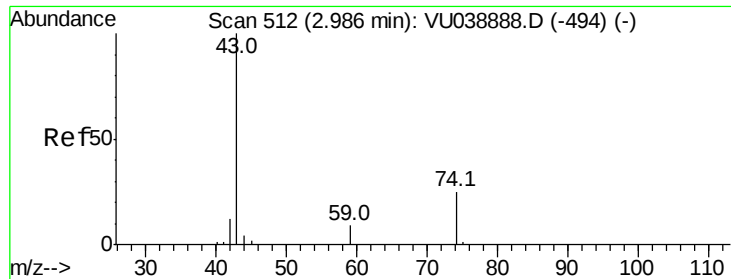
200000

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Time-->



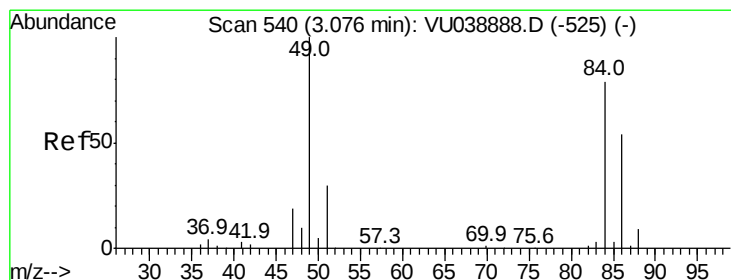
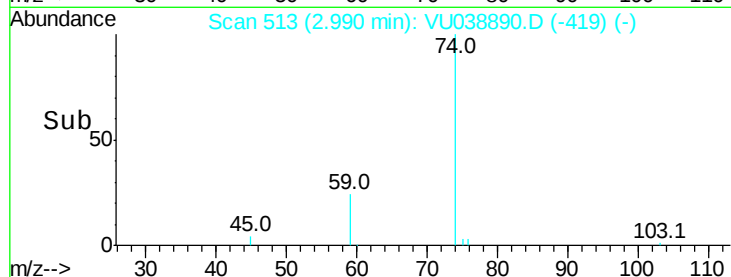
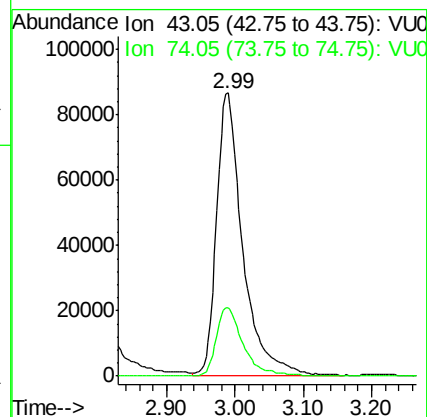
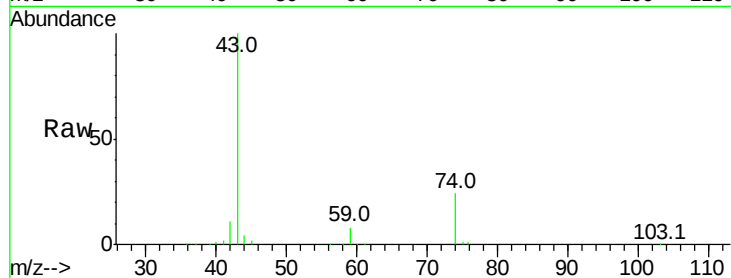
Time-->



#15
Methyl Acetate
Concen: 22.119 ug/L
RT: 2.99 min Scan# 513
Delta R.T. 0.00 min
Lab File: VU038890.D
Acq: 15 Jun 2020 13:44

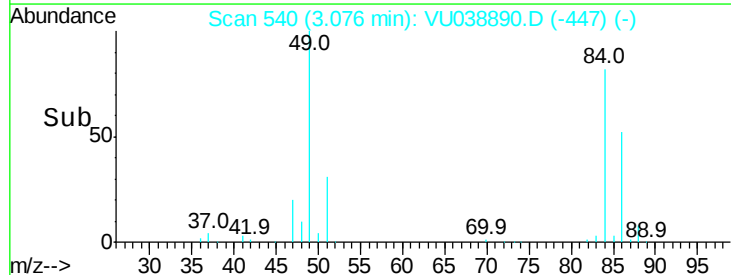
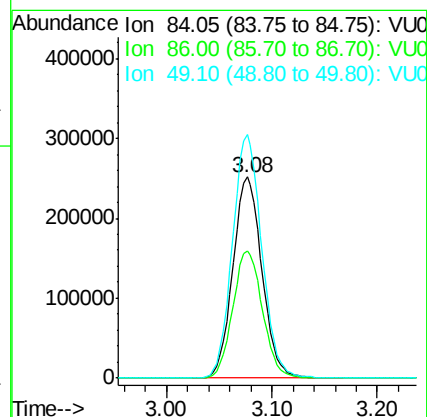
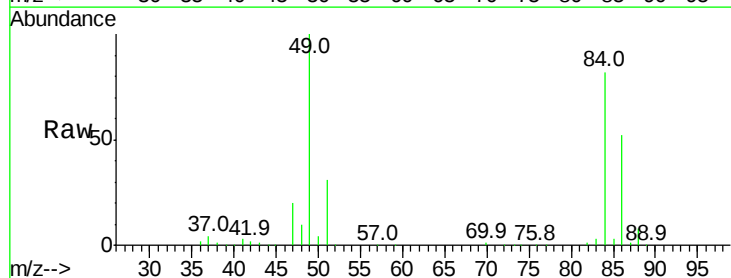
Instrument :
MSVOA_U
ClientSampleId :
VSTD02001

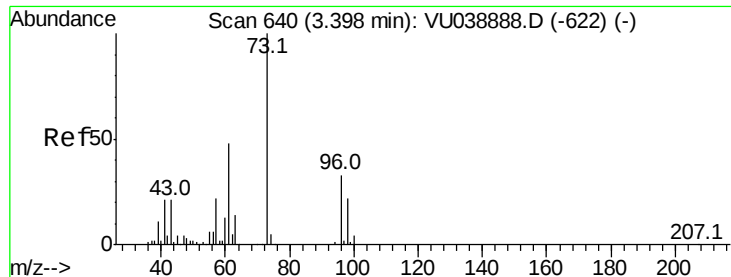
Tgt Ion: 43 Resp: 229807
Ion Ratio Lower Upper
43 100
74 25.2 19.7 29.5



#16
Methylene chloride
Concen: 19.465 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU038890.D
Acq: 15 Jun 2020 13:44

Tgt Ion: 84 Resp: 480320
Ion Ratio Lower Upper
84 100
86 63.4 47.9 89.1
49 121.3 88.4 164.2





#17

Methyl tert-butyl Ether

Concen: 22.683 ug/L

RT: 3.40 min Scan# 641

Delta R.T. 0.00 min

Lab File: VU038890.D

Acq: 15 Jun 2020 13:44

Instrument :

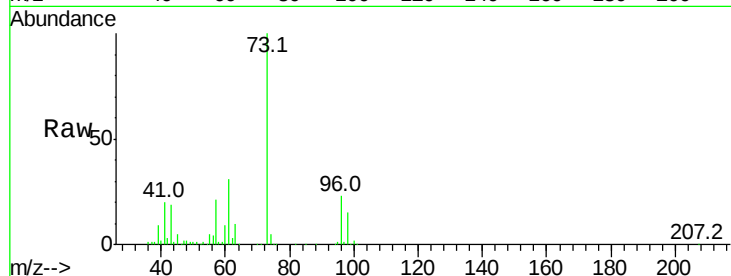
MSVOA_U

ClientSampleId :

VSTD02001

Tgt Ion: 73 Resp: 1254400

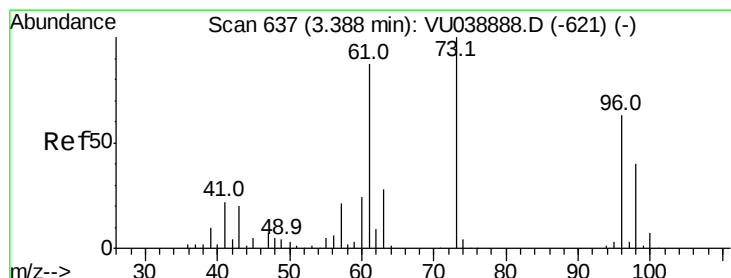
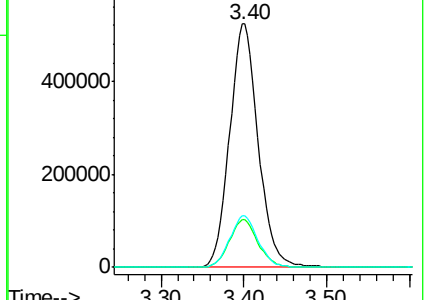
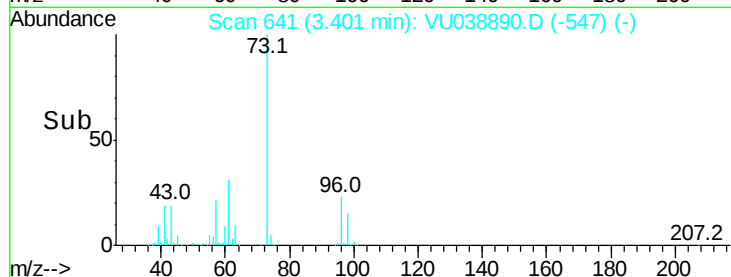
Ion	Ratio	Lower	Upper
73	100		
43	19.8	16.6	24.8
57	21.2	17.5	26.3



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: 20.437 ug/L

RT: 3.38 min Scan# 636

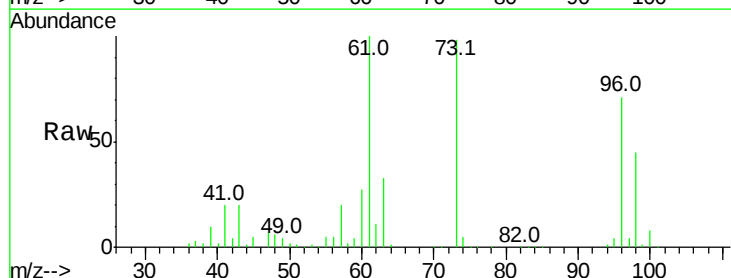
Delta R.T. -0.00 min

Lab File: VU038890.D

Acq: 15 Jun 2020 13:44

Tgt Ion: 96 Resp: 471010

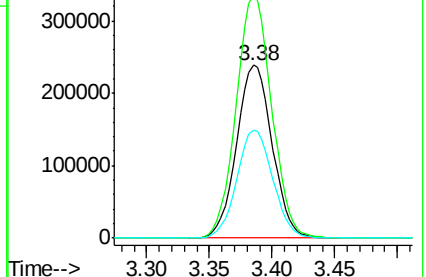
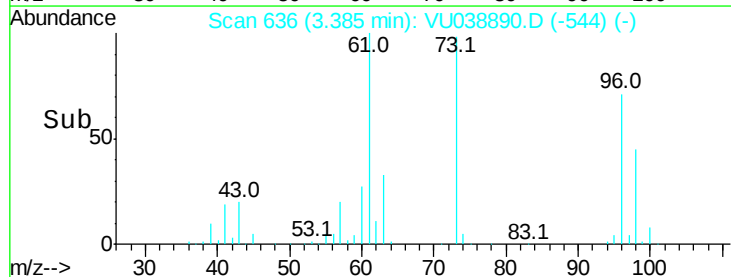
Ion	Ratio	Lower	Upper
96	100		
61	141.0	97.6	181.4
98	62.9	44.5	82.7

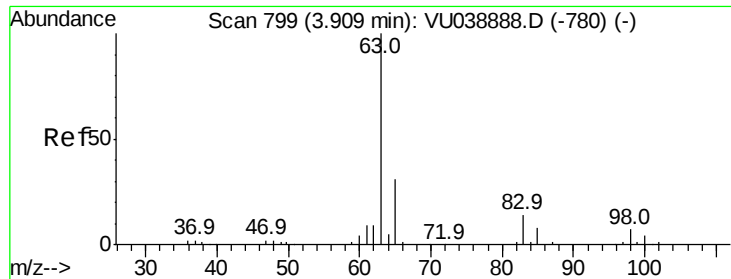


Abundance Ion 96.00 (95.70 to 96.70): VU038888.D (-621) (-)

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

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

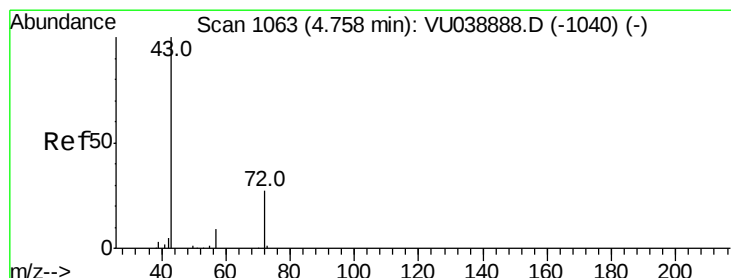
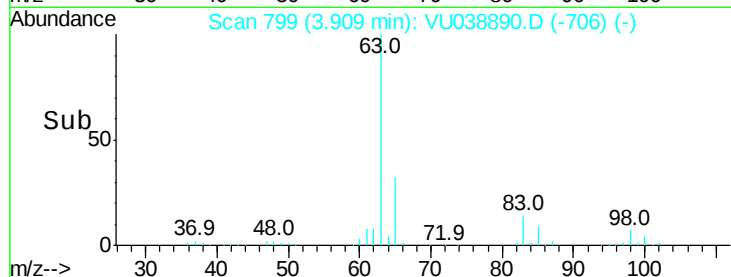
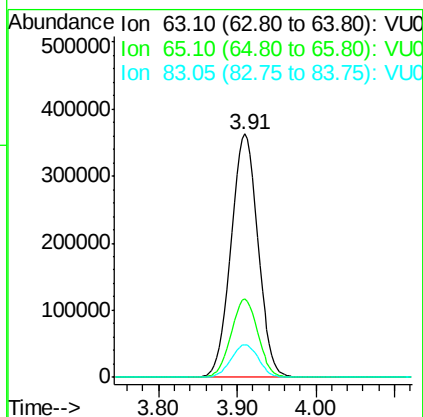
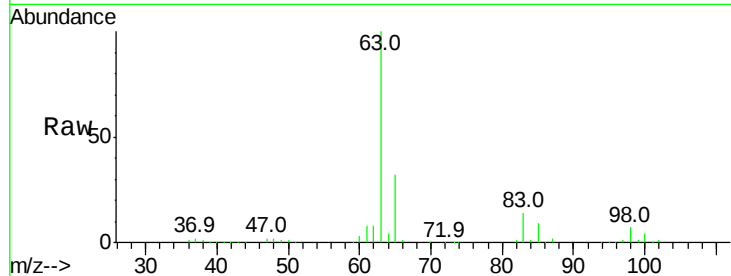




#19
 1,1-Dichloroethane
 Concen: 20.777 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: VU038890.D
 Acq: 15 Jun 2020 13:44

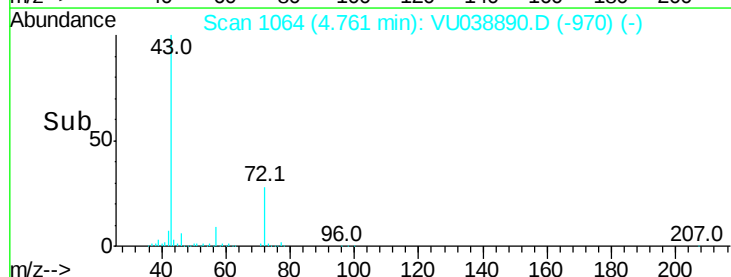
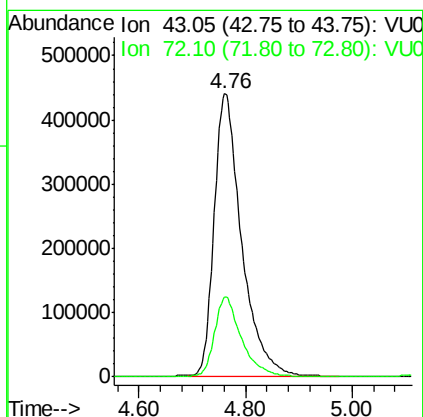
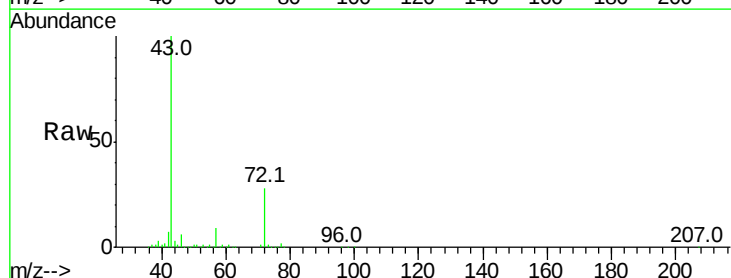
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02001

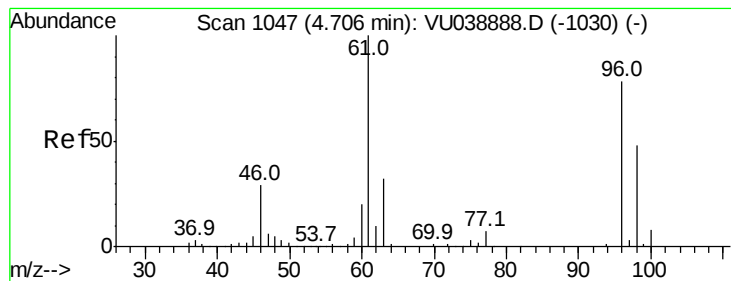
Tgt Ion: 63 Resp: 861761
 Ion Ratio Lower Upper
 63 100
 65 32.3 21.3 39.6
 83 13.5 9.5 17.7



#21
 2-Butanone
 Concen: 225.765 ug/L
 RT: 4.76 min Scan# 1064
 Delta R.T. 0.00 min
 Lab File: VU038890.D
 Acq: 15 Jun 2020 13:44

Tgt Ion: 43 Resp: 1577260
 Ion Ratio Lower Upper
 43 100
 72 28.1 14.0 41.9





#22

cis-1,2-Dichloroethene

Concen: 20.996 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038890.D

Acq: 15 Jun 2020 13:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD02001

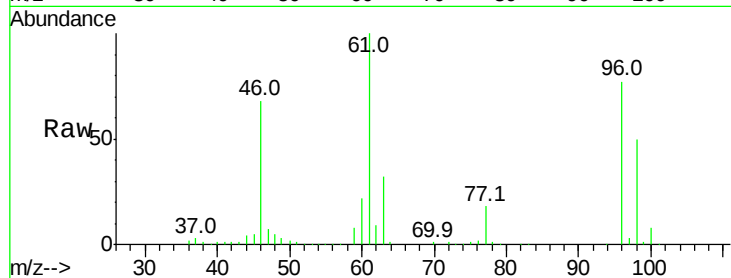
Tgt Ion: 96 Resp: 503969

Ion Ratio Lower Upper

96 100

61 130.1 90.5 168.1

68 0.0 0.0 0.0

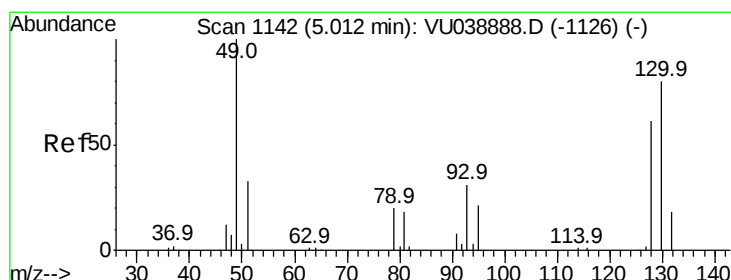
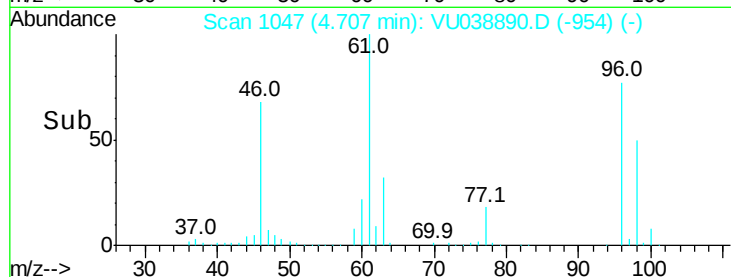
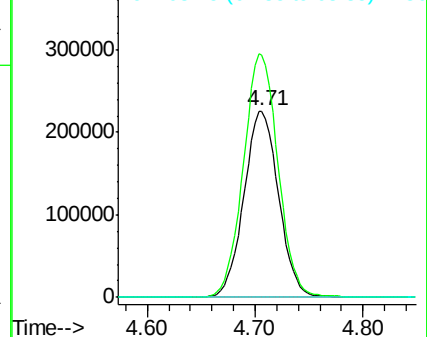


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 20.763 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU038890.D

Acq: 15 Jun 2020 13:44

Tgt Ion: 128 Resp: 233628

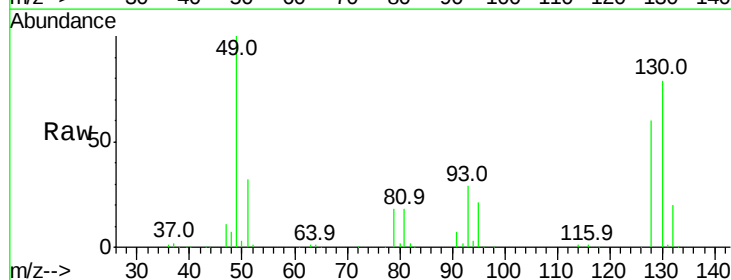
Ion Ratio Lower Upper

128 100

49 165.7 114.8 213.2

130 130.1 91.7 170.3

51 52.4 42.7 64.1



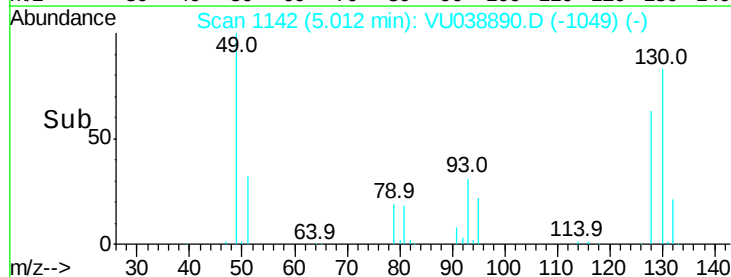
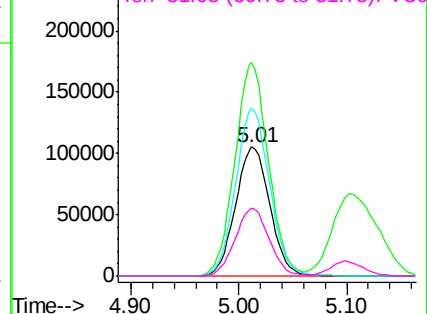
Abundance

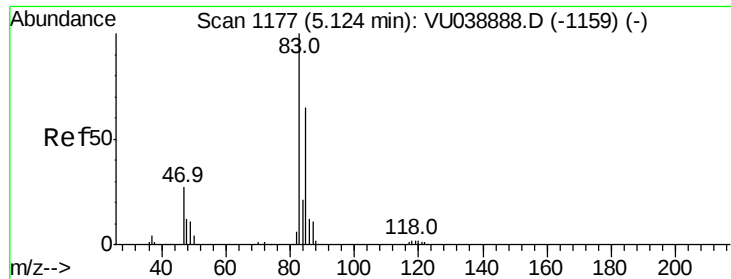
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0





#25

Chloroform

Concen: 20.592 ug/L

RT: 5.12 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VU038890.D

Acq: 15 Jun 2020 13:44

Instrument :

MSVOA_U

ClientSampleId :

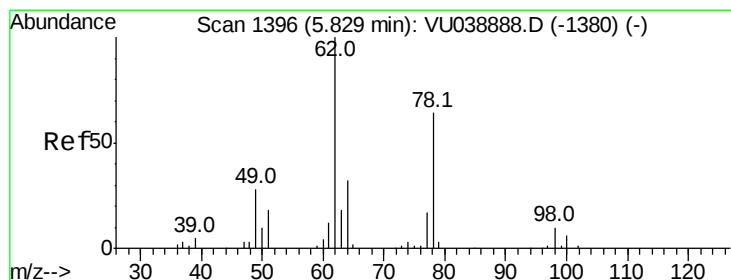
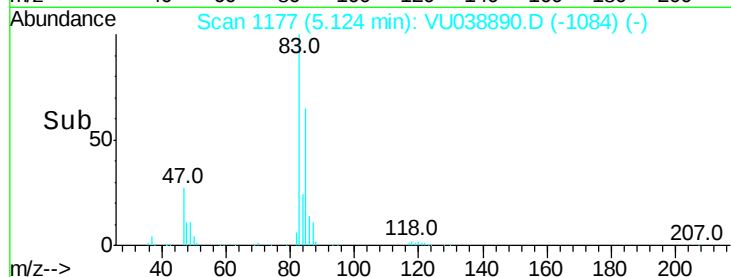
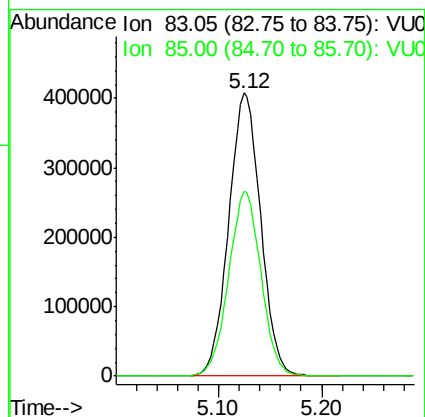
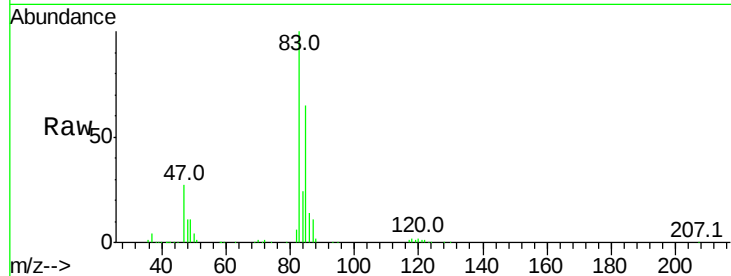
VSTD02001

Tgt Ion: 83 Resp: 880590

Ion Ratio Lower Upper

83 100

85 65.3 45.8 85.2



#27

1,2-Dichloroethane

Concen: 20.999 ug/L

RT: 5.83 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VU038890.D

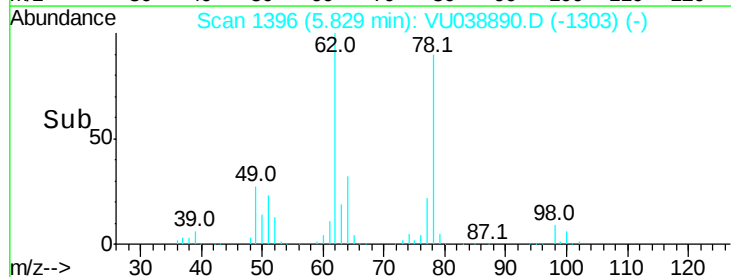
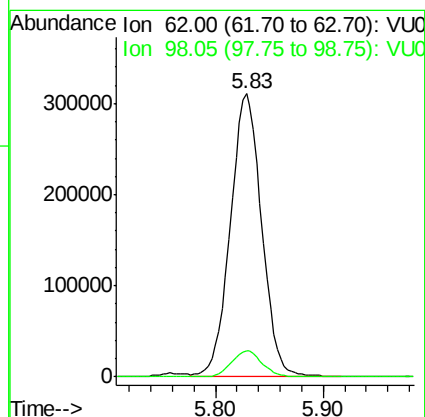
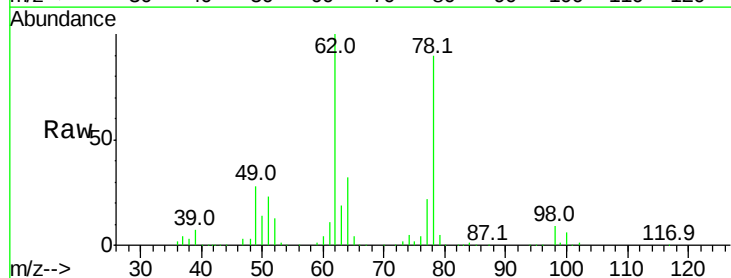
Acq: 15 Jun 2020 13:44

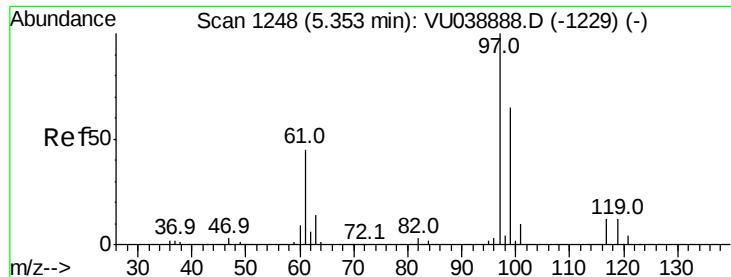
Tgt Ion: 62 Resp: 626104

Ion Ratio Lower Upper

62 100

98 9.2 8.2 12.4

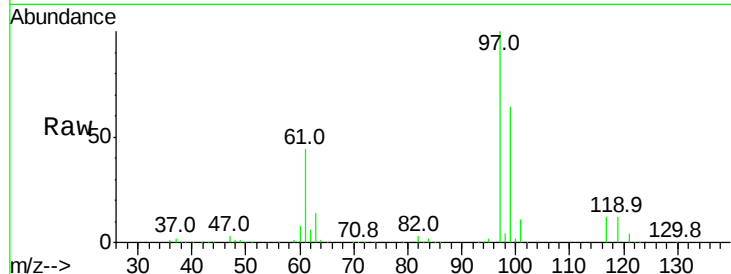




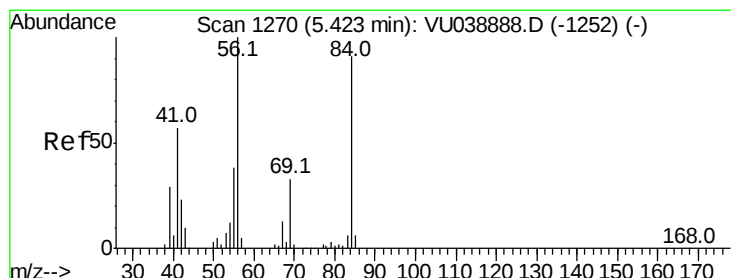
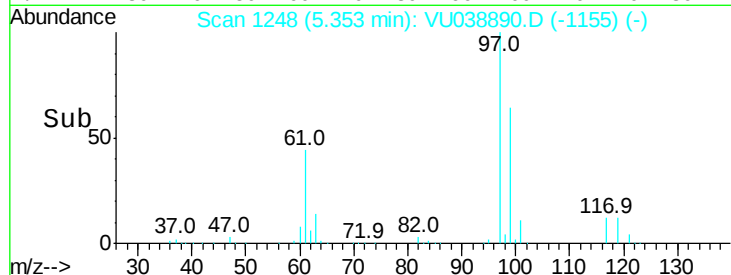
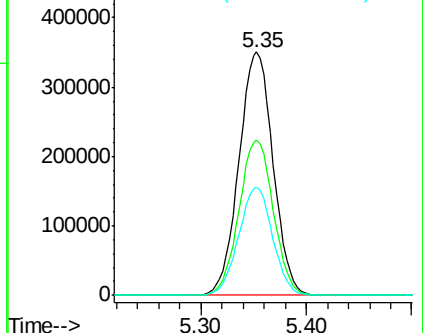
#29
 1,1,1-Trichloroethane
 Concen: 20.082 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VU038890.D
 Acq: 15 Jun 2020 13:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02001

Tgt Ion: 97 Resp: 788274
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.4 77.2
 61 44.1 36.3 54.5

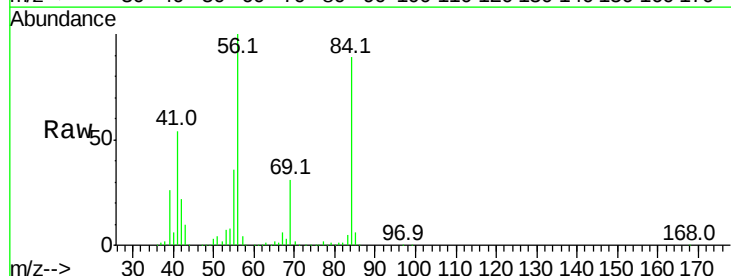


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

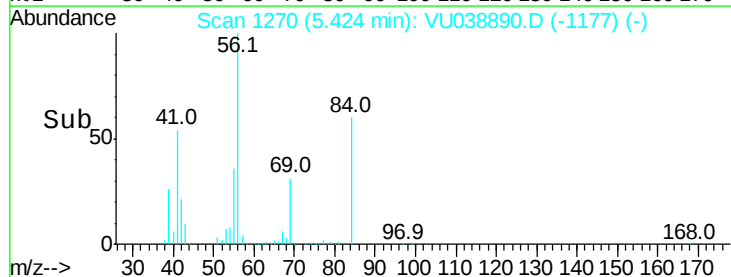
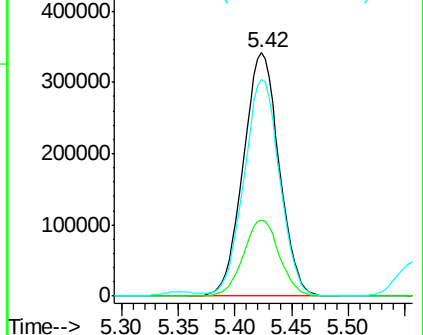


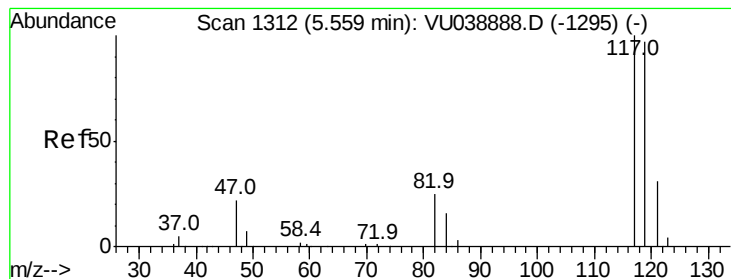
#30
 Cyclohexane
 Concen: 19.773 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VU038890.D
 Acq: 15 Jun 2020 13:44

Tgt Ion: 56 Resp: 752194
 Ion Ratio Lower Upper
 56 100
 69 31.3 25.4 38.2
 84 89.1 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: 20.074 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU038890.D

Acq: 15 Jun 2020 13:44

Instrument :

MSVOA_U

ClientSampleId :

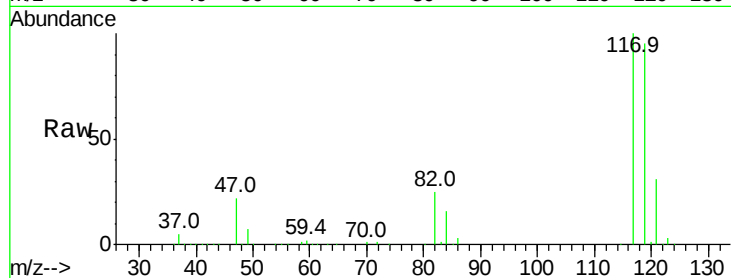
VSTD02001

Tgt Ion:117 Resp: 665159

Ion Ratio Lower Upper

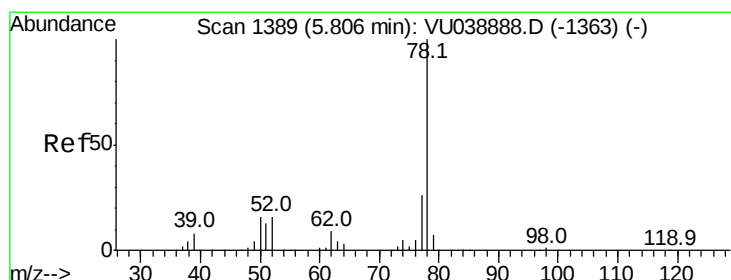
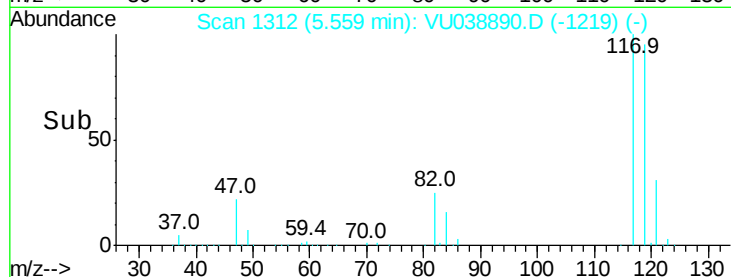
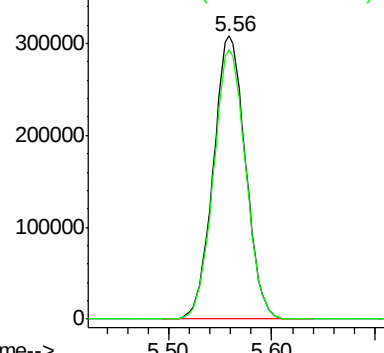
117 100

119 95.4 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: 19.953 ug/L

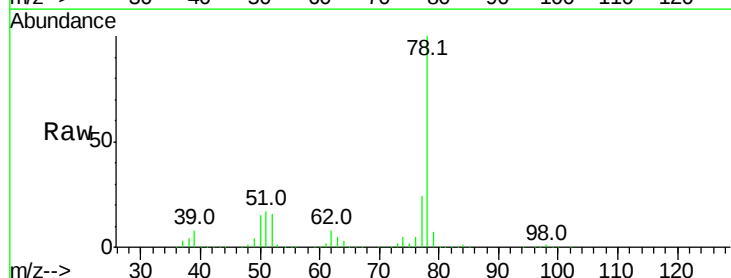
RT: 5.81 min Scan# 1389

Delta R.T. 0.00 min

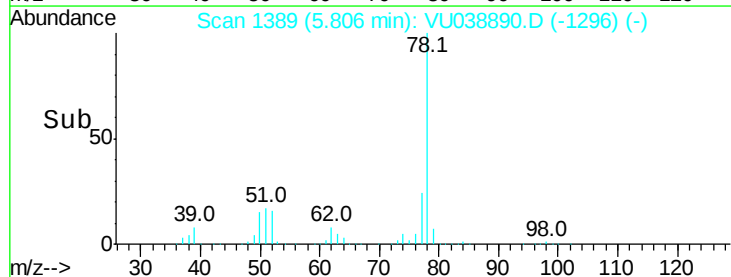
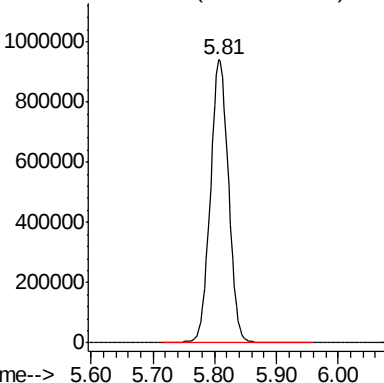
Lab File: VU038890.D

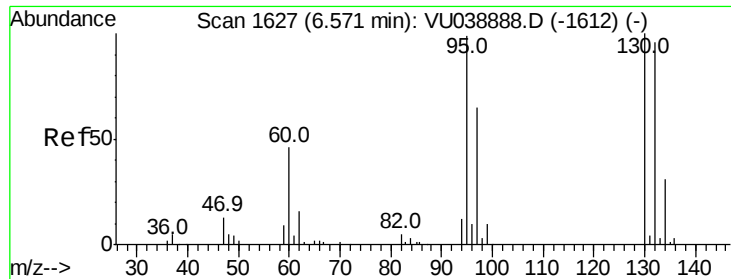
Acq: 15 Jun 2020 13:44

Tgt Ion: 78 Resp: 1917666



Abundance Ion 78.10 (77.80 to 78.80): VU0

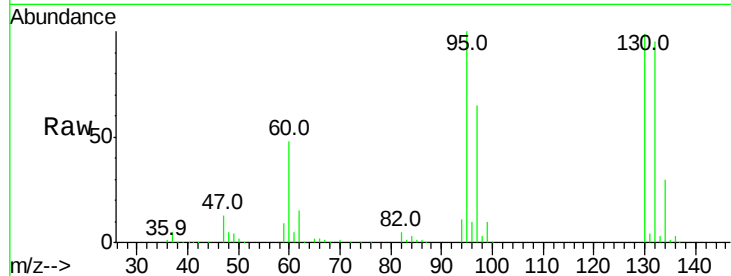




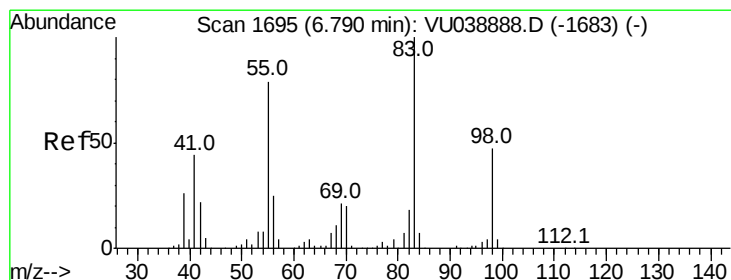
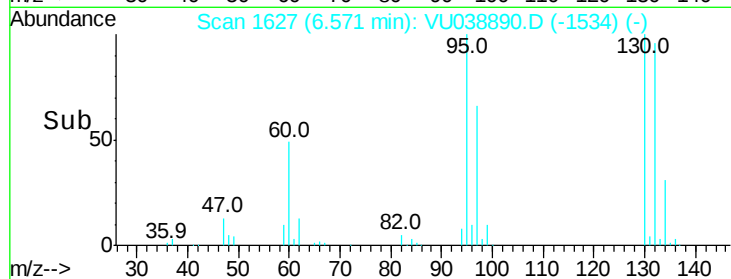
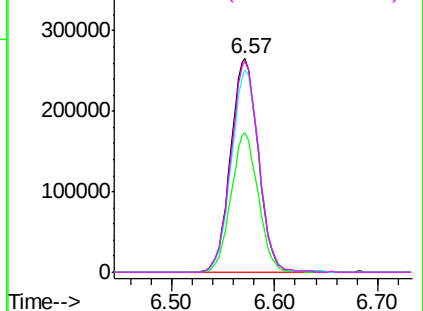
#34
 Trichloroethene
 Concen: 19.753 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU038890.D
 Acq: 15 Jun 2020 13:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02001

Tgt Ion:	95	Resp:	495753
Ion	Ratio	Lower	Upper
95	100		
97	65.4	46.1	85.5
132	94.9	68.2	126.6
130	98.6	71.0	131.9

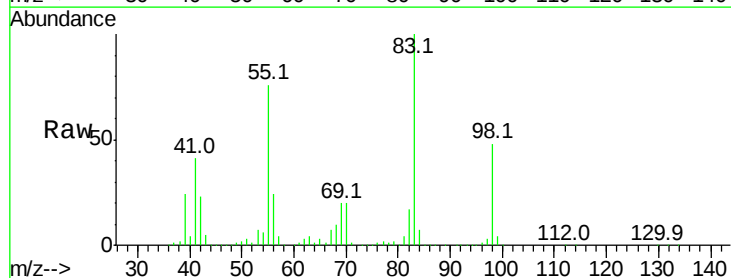


Abundance Ion 95.00 (94.70 to 95.70): VU038888.D (-1612) (-)
 Ion 96.95 (96.65 to 97.65): VU038888.D (-1612) (-)
 Ion 131.95 (131.65 to 132.65): VU038888.D (-1612) (-)
 Ion 129.95 (129.65 to 130.65): VU038888.D (-1612) (-)

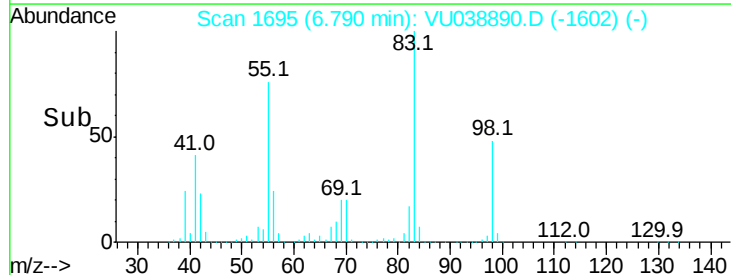
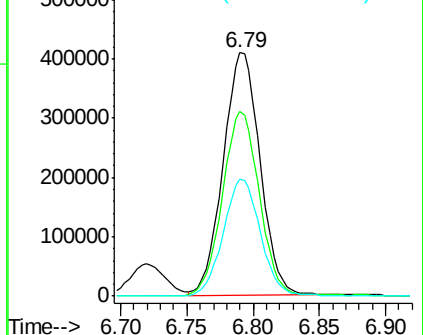


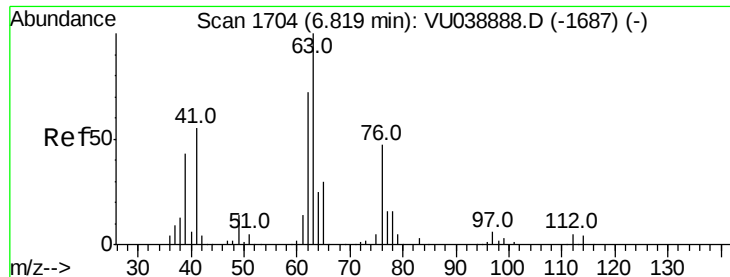
#35
 Methylcyclohexane
 Concen: 20.225 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU038890.D
 Acq: 15 Jun 2020 13:44

Tgt Ion:	83	Resp:	789282
Ion	Ratio	Lower	Upper
83	100		
55	76.7	63.6	95.4
98	48.7	38.9	58.3



Abundance Ion 83.15 (82.85 to 83.85): VU038888.D (-1683) (-)
 Ion 55.10 (54.80 to 55.80): VU038888.D (-1683) (-)
 Ion 98.15 (97.85 to 98.85): VU038888.D (-1683) (-)

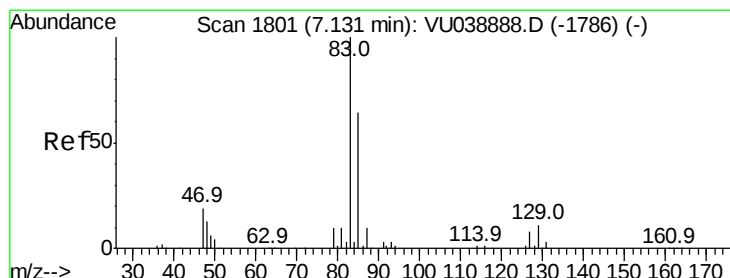
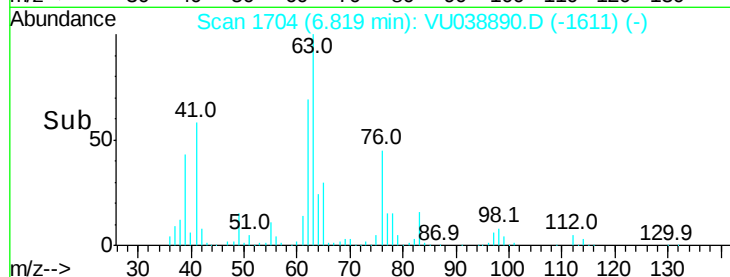
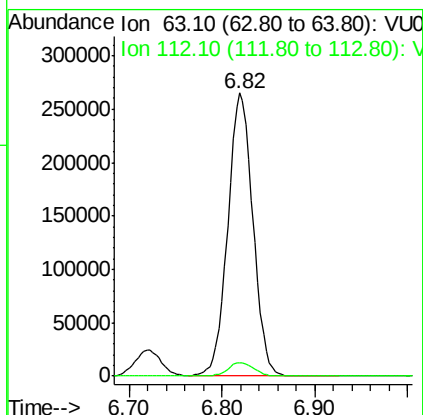
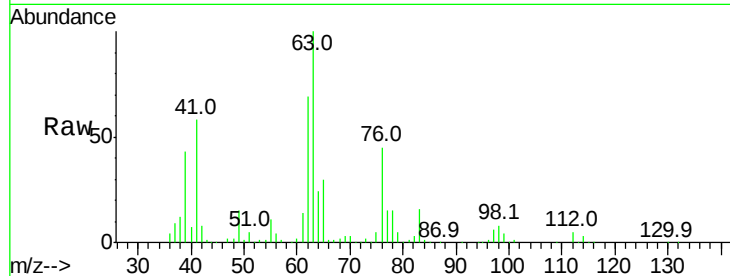




#37
 1,2-Dichloropropane
 Concen: 20.556 ug/L
 RT: 6.82 min Scan# 1704
 Delta R.T. 0.00 min
 Lab File: VU038890.D
 Acq: 15 Jun 2020 13:44

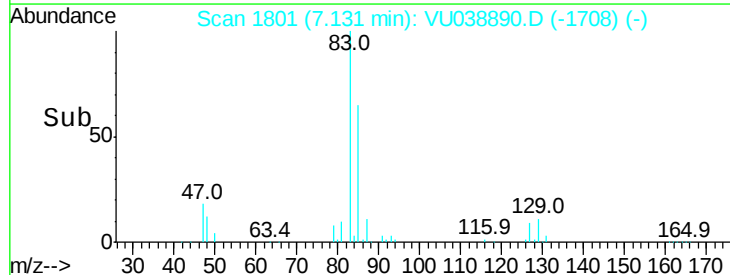
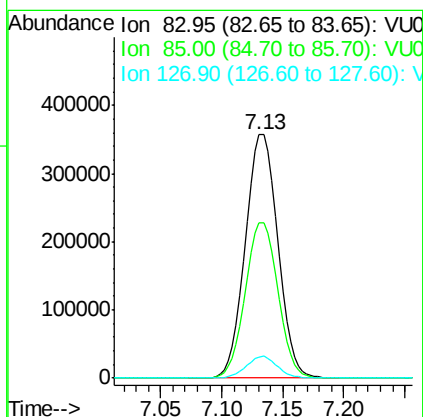
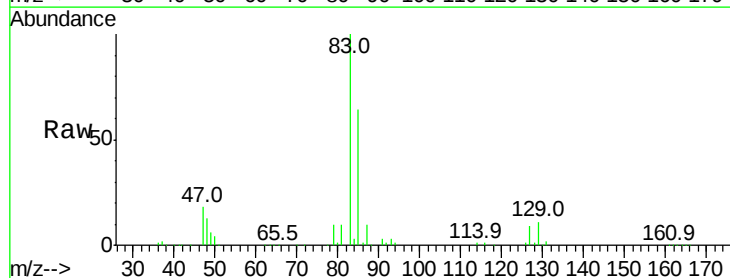
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02001

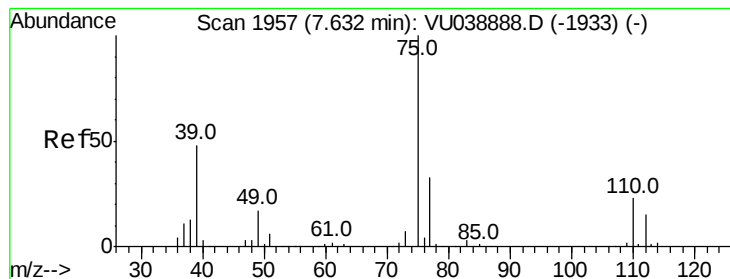
Tgt Ion: 63 Resp: 497683
 Ion Ratio Lower Upper
 63 100
 112 4.9 3.8 5.8



#38
 Bromodichloromethane
 Concen: 20.900 ug/L
 RT: 7.13 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VU038890.D
 Acq: 15 Jun 2020 13:44

Tgt Ion: 83 Resp: 656460
 Ion Ratio Lower Upper
 83 100
 85 63.9 44.8 83.2
 127 8.7 6.3 9.5



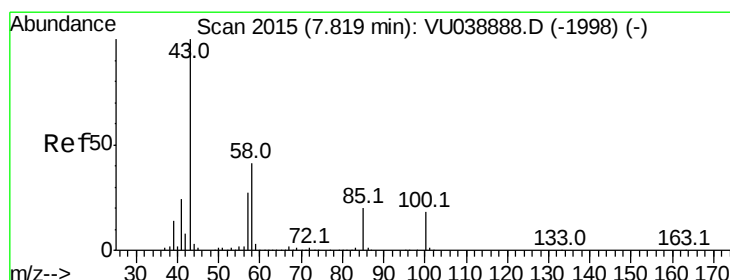
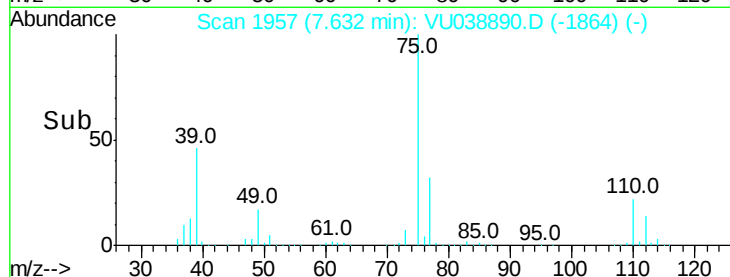
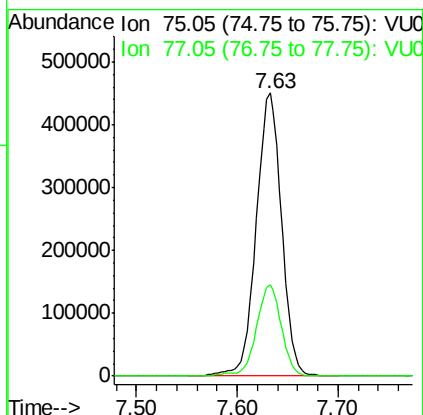
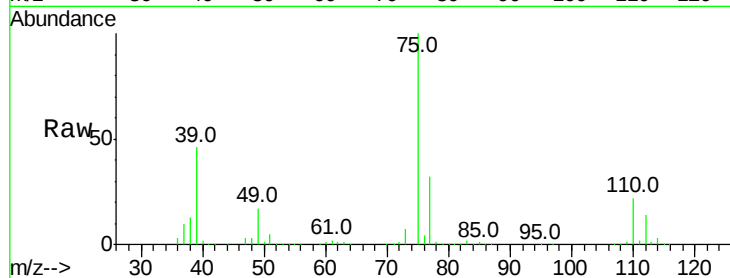


#39

cis-1,3-Dichloropropene
Concen: 21.801 ug/L
RT: 7.63 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VU038890.D
Acq: 15 Jun 2020 13:44

Instrument :
MSVOA_U
ClientSampleId :
VSTD02001

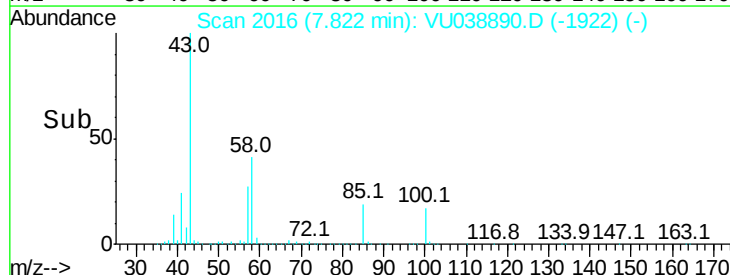
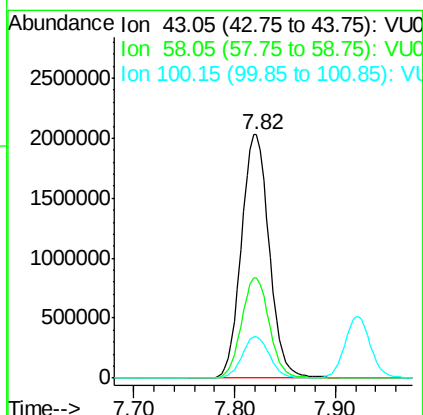
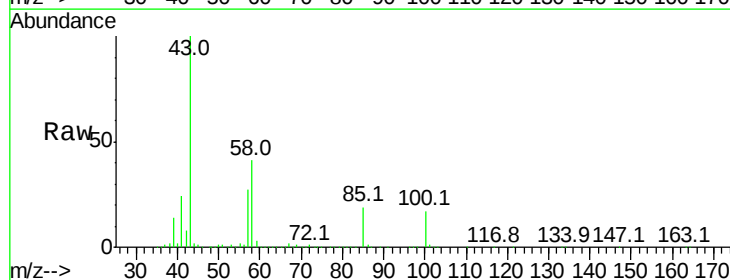
Tgt Ion: 75 Resp: 782423
Ion Ratio Lower Upper
75 100
77 32.2 23.0 42.6

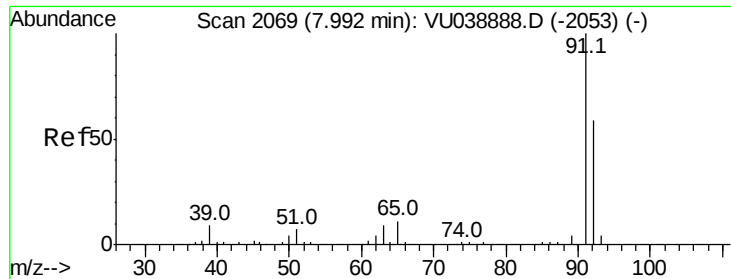


#40

4-Methyl-2-pentanone
Concen: 238.957 ug/L
RT: 7.82 min Scan# 2016
Delta R.T. 0.00 min
Lab File: VU038890.D
Acq: 15 Jun 2020 13:44

Tgt Ion: 43 Resp: 3871938
Ion Ratio Lower Upper
43 100
58 41.0 32.6 49.0
100 16.7 13.8 20.6





#42

Toluene

Concen: 21.337 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU038890.D

Acq: 15 Jun 2020 13:44

Instrument :

MSVOA_U

ClientSampleId :

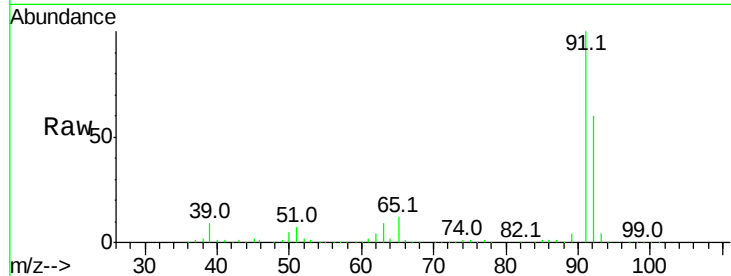
VSTD02001

Tgt Ion: 91 Resp: 2164922

Ion Ratio Lower Upper

91 100

92 60.0 41.5 77.1



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

Ion 92.15 (91.85 to 92.85): VU038888.D (-2053) (-)

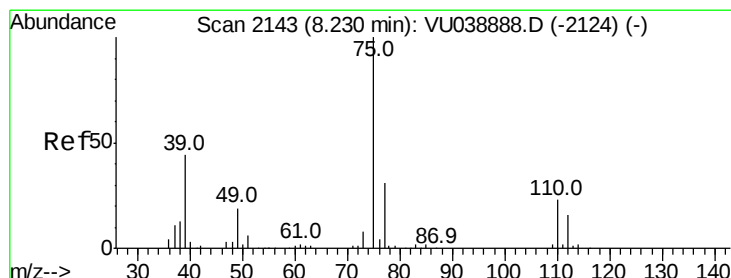
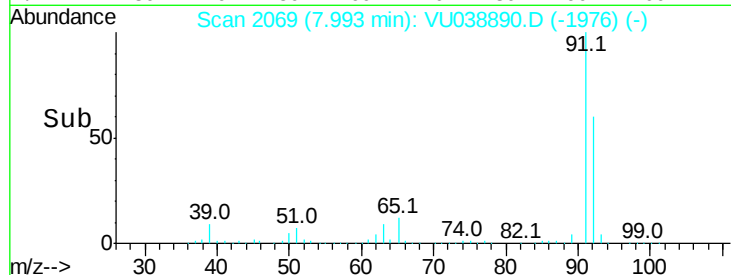
7.99

1000000

500000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 21.997 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VU038890.D

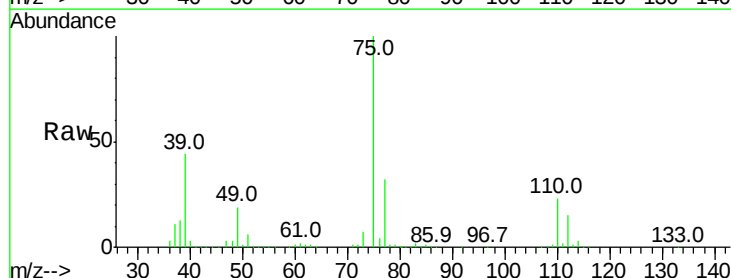
Acq: 15 Jun 2020 13:44

Tgt Ion: 75 Resp: 703164

Ion Ratio Lower Upper

75 100

77 31.8 21.9 40.7



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

Ion 77.05 (76.75 to 77.75): VU038888.D (-2124) (-)

8.23

500000

400000

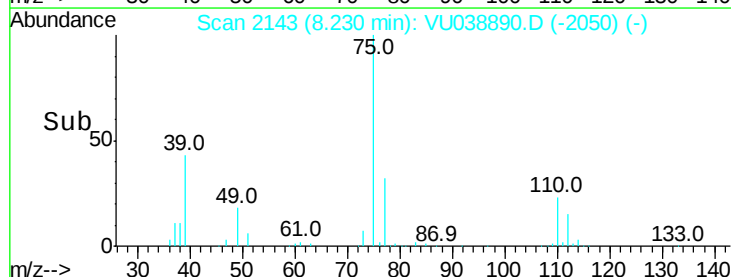
300000

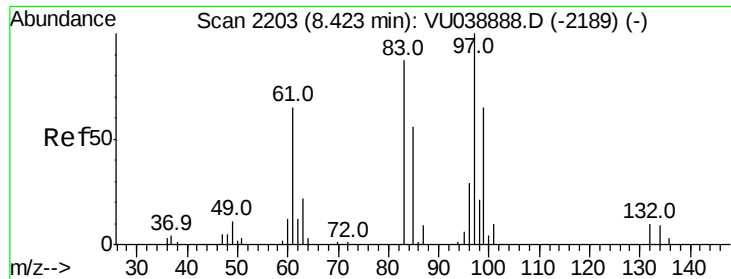
200000

100000

0

Time-->

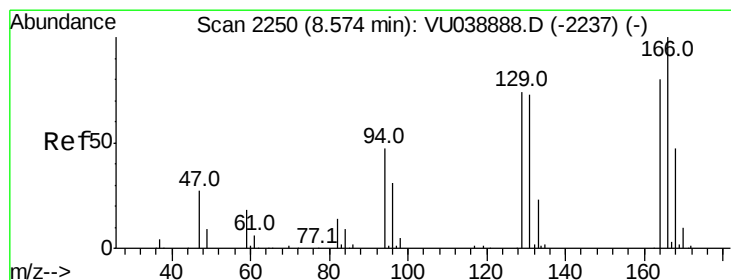
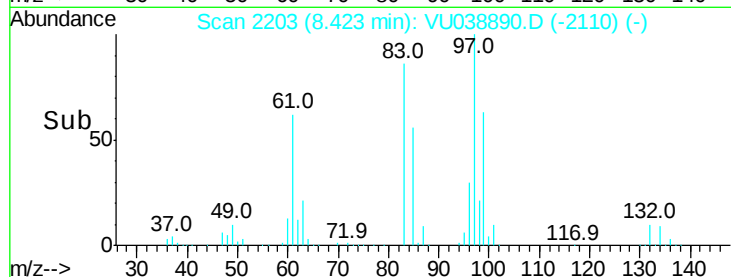
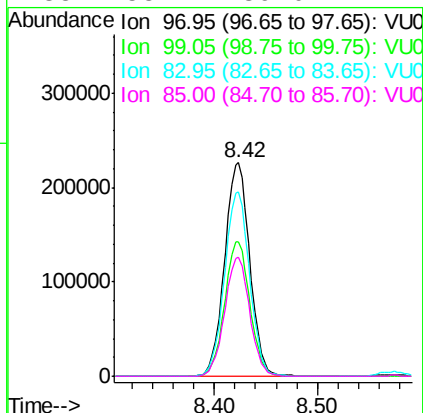
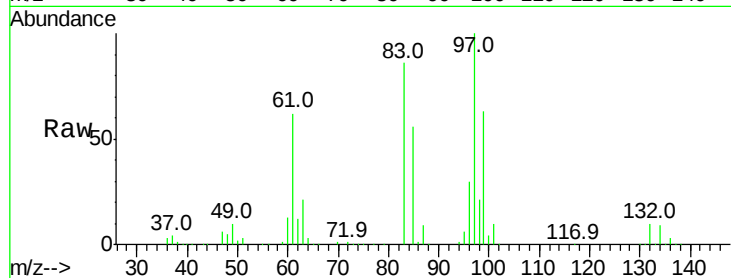




#45
 1,1,2-Trichloroethane
 Concen: 20.795 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. 0.00 min
 Lab File: VU038890.D
 Acq: 15 Jun 2020 13:44

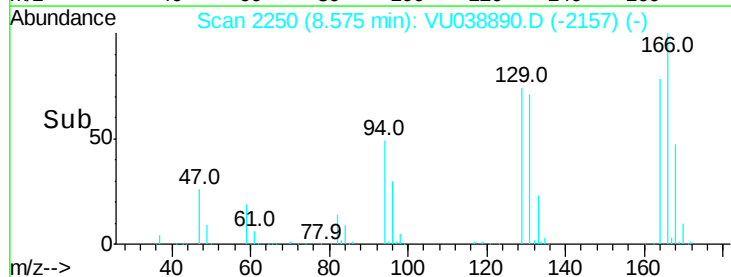
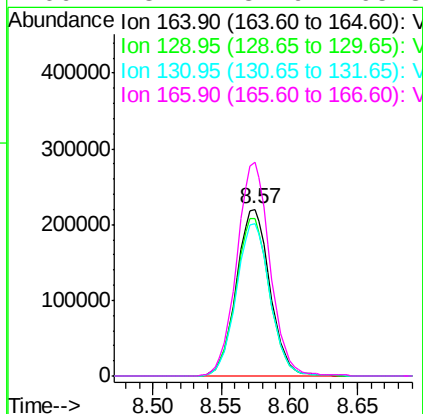
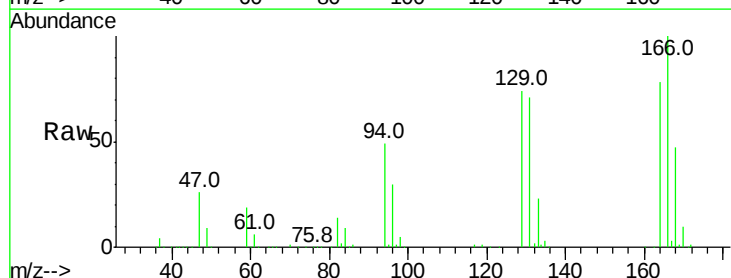
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02001

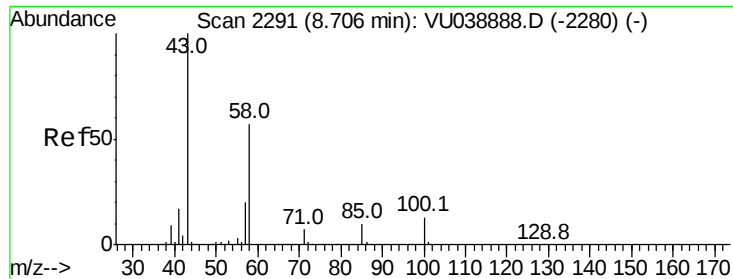
Tgt Ion:	97	Resp:	383987
Ion	Ratio	Lower	Upper
97	100		
99	63.2	45.4	84.2
83	86.2	60.6	112.6
85	55.7	39.0	72.4



#47
 Tetrachloroethene
 Concen: 19.498 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: VU038890.D
 Acq: 15 Jun 2020 13:44

Tgt Ion:	164	Resp:	376734
Ion	Ratio	Lower	Upper
164	100		
129	94.6	65.5	121.7
131	91.7	63.9	118.7
166	128.2	87.9	163.3

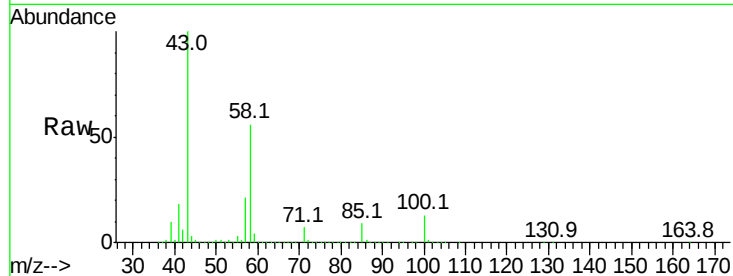




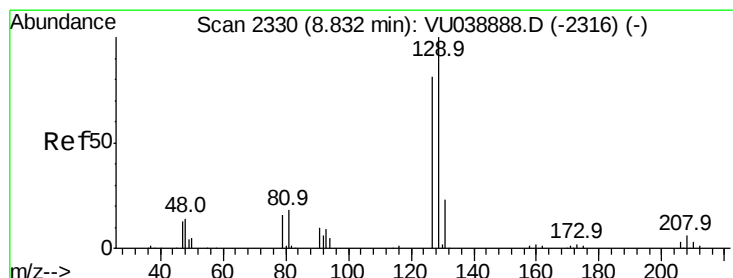
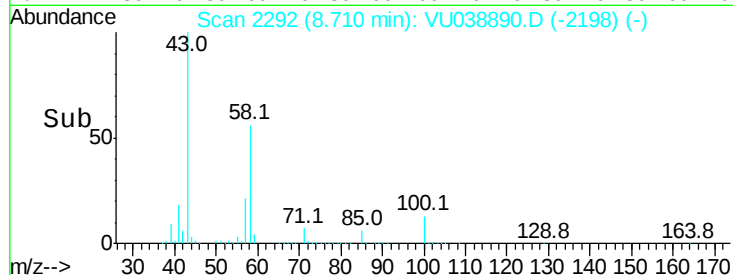
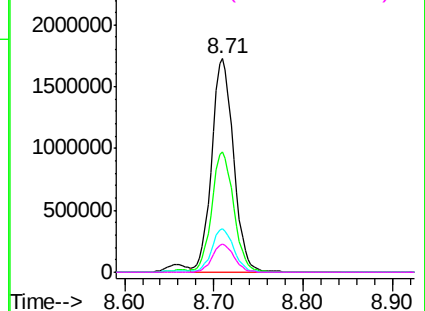
#48
2-Hexanone
Concen: 235.534 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU038890.D
Acq: 15 Jun 2020 13:44

Instrument :
MSVOA_U
ClientSampled :
VSTD02001

Tgt Ion: 43 Resp: 2931787
Ion Ratio Lower Upper
43 100
58 56.6 45.4 68.2
57 20.4 16.4 24.6
100 13.2 10.6 15.8

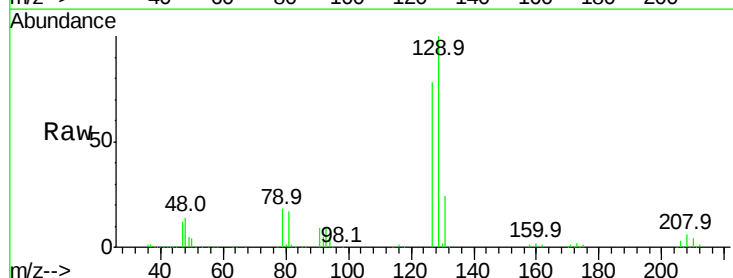


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

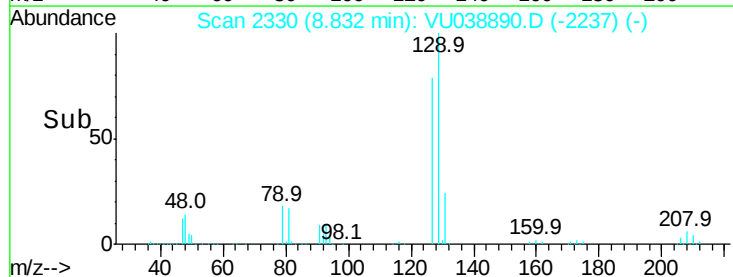
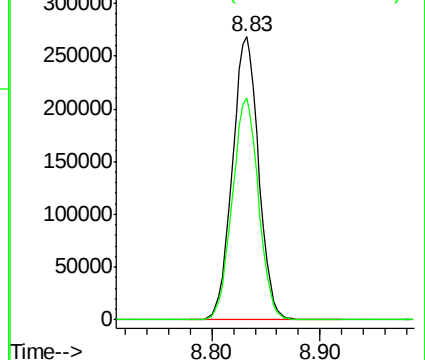


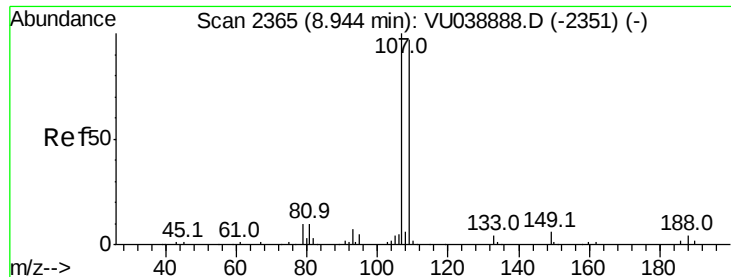
#49
Dibromochloromethane
Concen: 22.122 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU038890.D
Acq: 15 Jun 2020 13:44

Tgt Ion: 129 Resp: 456004
Ion Ratio Lower Upper
129 100
127 78.4 56.7 105.3



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

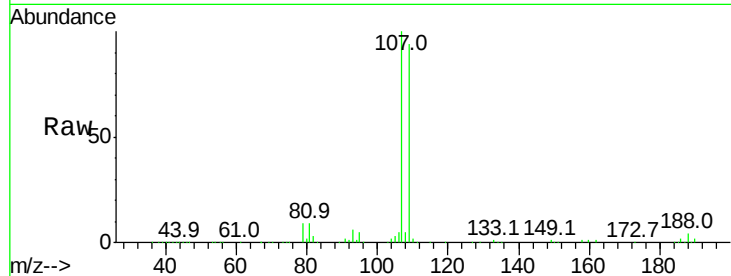




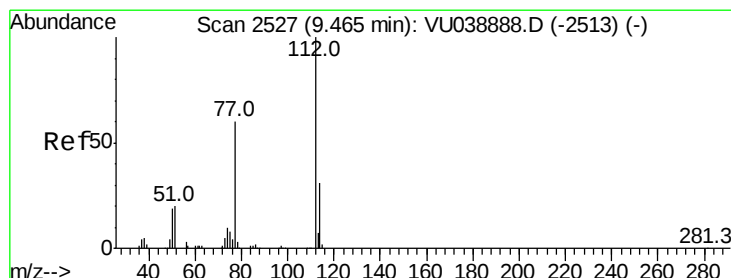
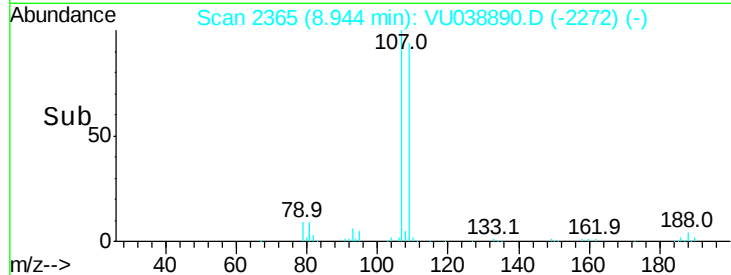
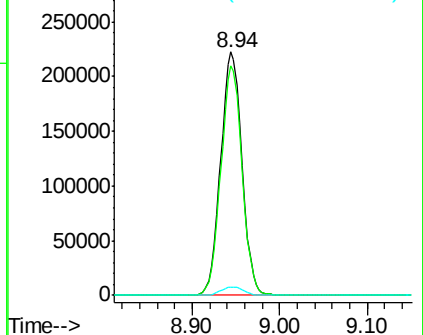
#50
1,2-Dibromoethane
Concen: 20.824 ug/L
RT: 8.94 min Scan# 2365
Delta R.T. 0.00 min
Lab File: VU038890.D
Acq: 15 Jun 2020 13:44

Instrument :
MSVOA_U
ClientSampleId :
VSTD02001

Tgt Ion:107 Resp: 375345
Ion Ratio Lower Upper
107 100
109 94.1 67.5 125.4
188 3.5 2.9 4.3

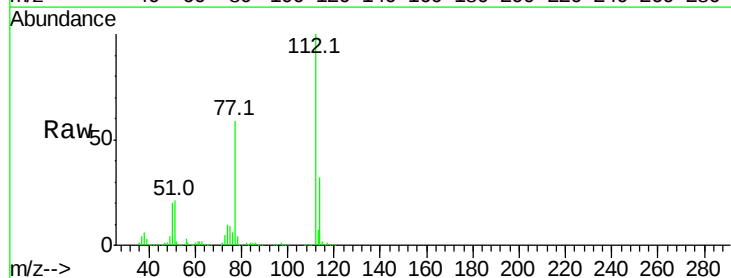


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

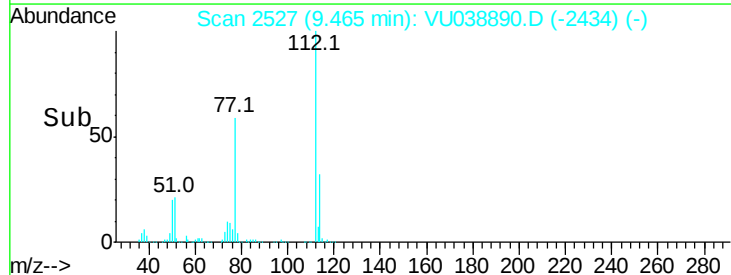
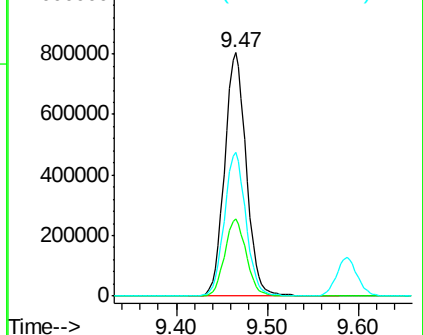


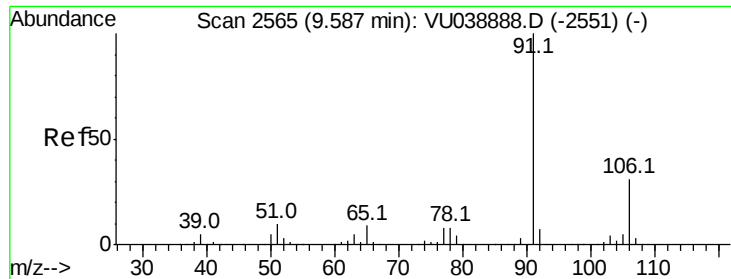
#51
Chlorobenzene
Concen: 20.324 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. 0.00 min
Lab File: VU038890.D
Acq: 15 Jun 2020 13:44

Tgt Ion:112 Resp: 1328038
Ion Ratio Lower Upper
112 100
114 31.6 21.8 40.4
77 59.2 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: 21.177 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. 0.00 min

Lab File: VU038890.D

Acq: 15 Jun 2020 13:44

Instrument :

MSVOA_U

ClientSampleId :

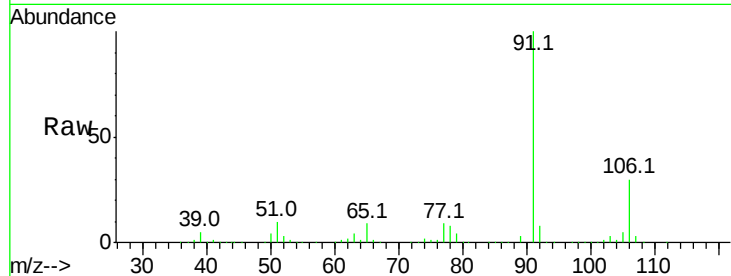
VSTD02001

Tgt Ion: 91 Resp: 2367249

Ion Ratio Lower Upper

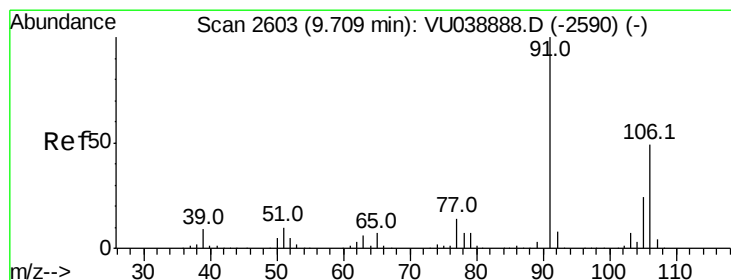
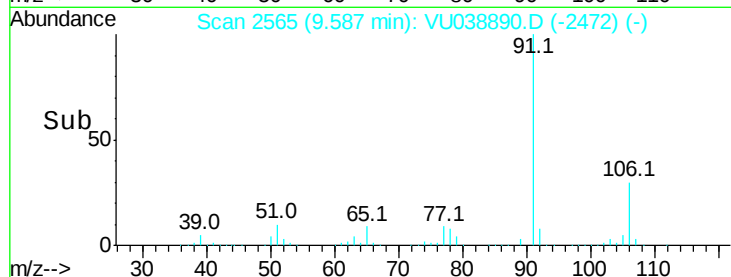
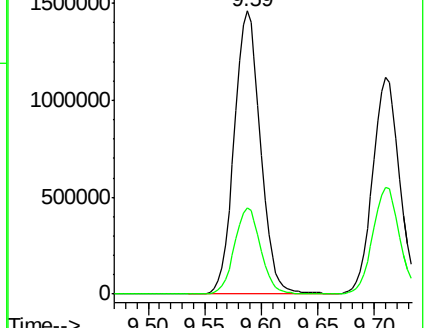
91 100

106 30.4 22.0 40.8



Abundance Ion 91.15 (90.85 to 91.85): VU038888.D (-2551) (-)

Ion 106.15 (105.85 to 106.85): VU038888.D (-2551) (-)



#53

m,p-Xylene

Concen: 21.548 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VU038890.D

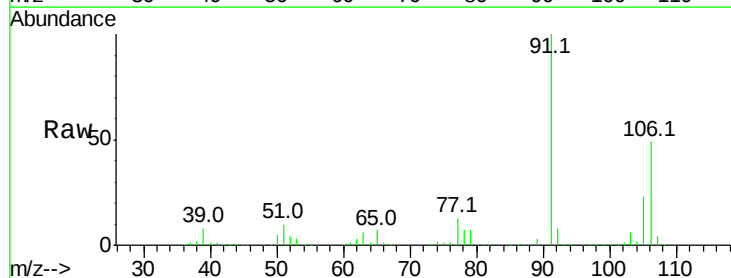
Acq: 15 Jun 2020 13:44

Tgt Ion: 106 Resp: 910142

Ion Ratio Lower Upper

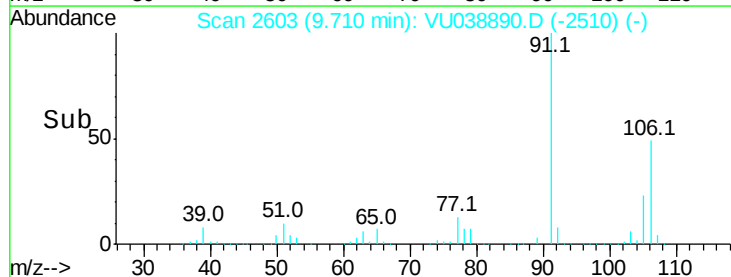
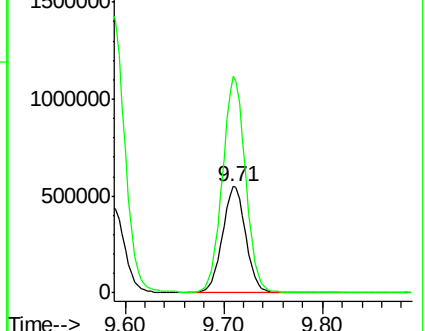
106 100

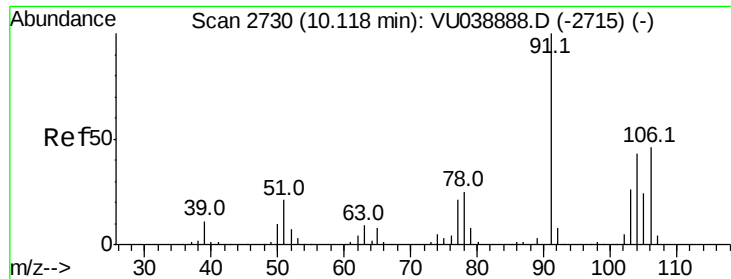
91 203.4 143.1 265.7



Abundance Ion 106.15 (105.85 to 106.85): VU038888.D (-2590) (-)

Ion 91.15 (90.85 to 91.85): VU038888.D (-2590) (-)

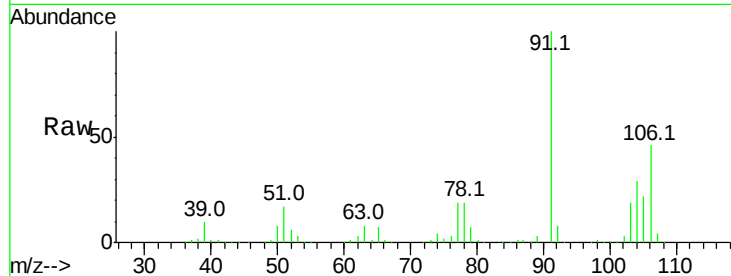




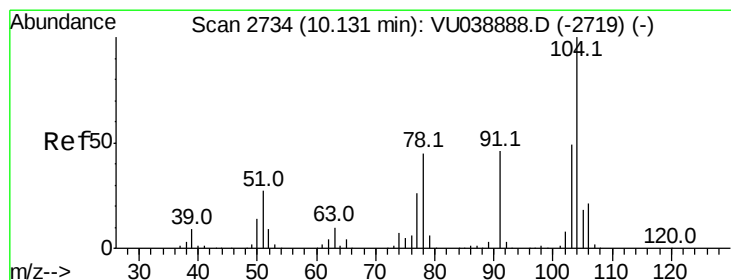
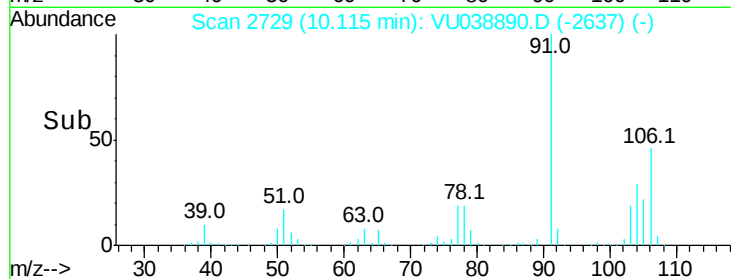
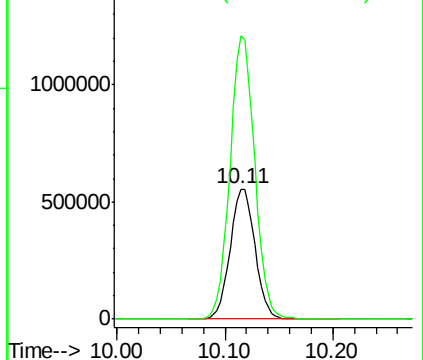
#54
o-Xylene
Concen: 21.909 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU038890.D
Acq: 15 Jun 2020 13:44

Instrument :
MSVOA_U
ClientSampleId :
VSTD02001

Tgt Ion:106 Resp: 888532
Ion Ratio Lower Upper
106 100
91 217.3 152.0 282.4

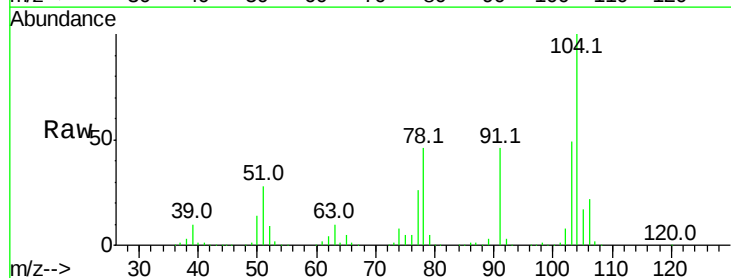


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

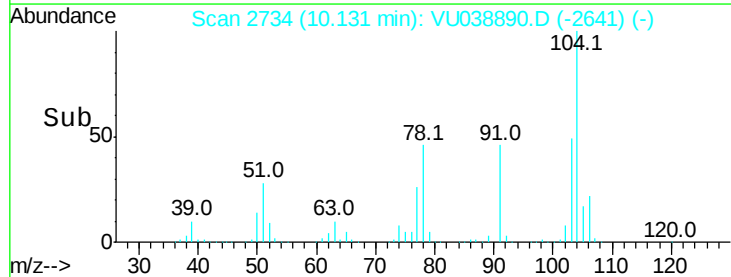
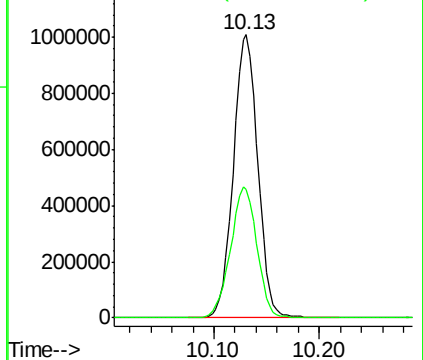


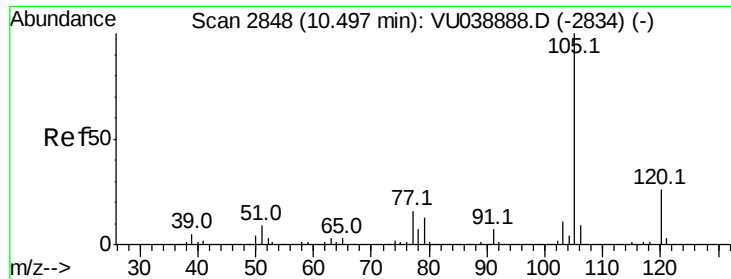
#55
Styrene
Concen: 23.146 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU038890.D
Acq: 15 Jun 2020 13:44

Tgt Ion:104 Resp: 1615375
Ion Ratio Lower Upper
104 100
78 45.5 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: 21.541 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU038890.D

Acq: 15 Jun 2020 13:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD02001

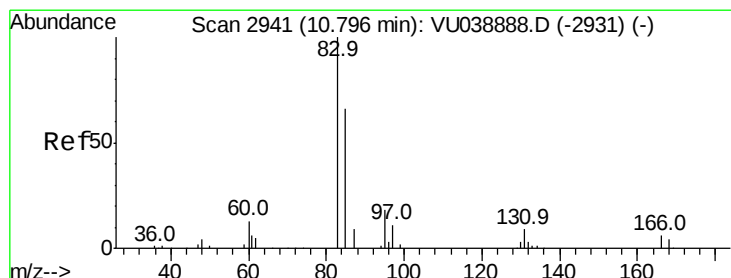
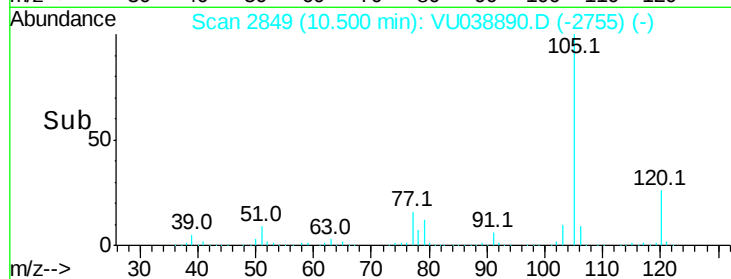
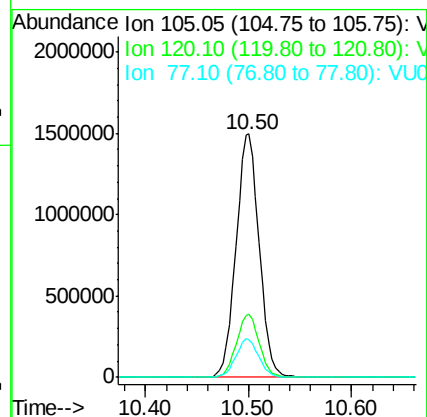
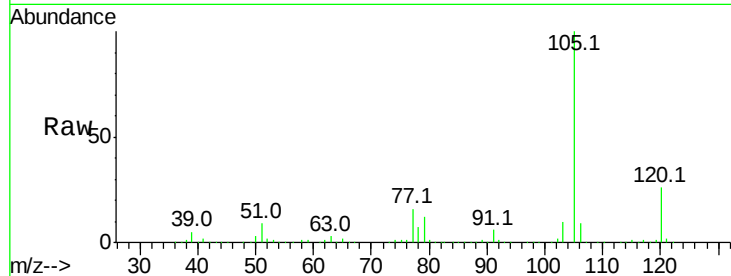
Tgt Ion:105 Resp: 2335240

Ion Ratio Lower Upper

105 100

120 25.7 20.6 30.8

77 15.8 12.6 19.0



#58

1,1,2,2-Tetrachloroethane

Concen: 21.820 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. 0.00 min

Lab File: VU038890.D

Acq: 15 Jun 2020 13:44

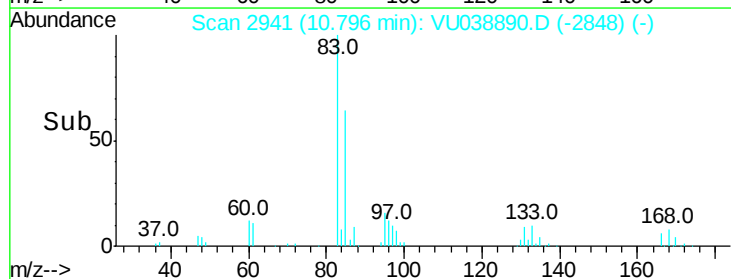
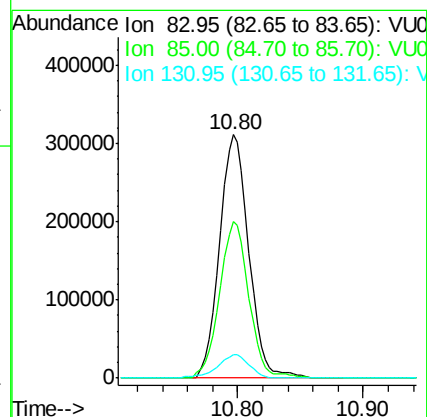
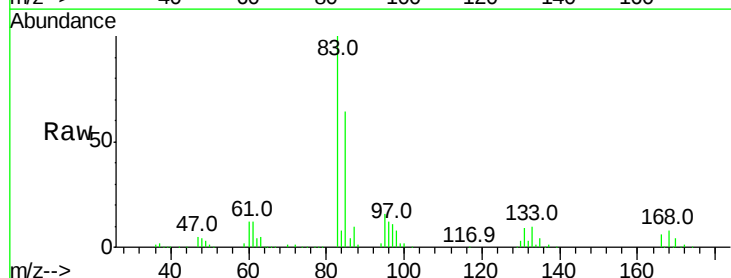
Tgt Ion: 83 Resp: 501002

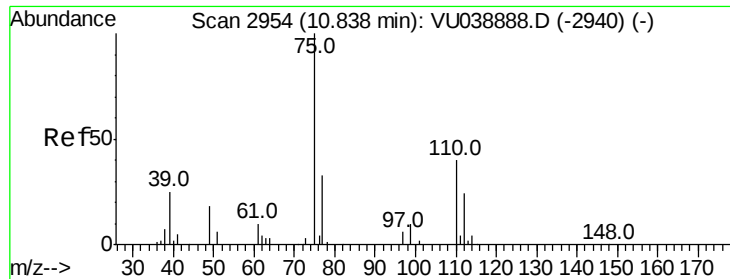
Ion Ratio Lower Upper

83 100

85 64.1 46.3 85.9

131 9.5 8.3 12.5





#59

1,2,3-Trichloropropane

Concen: 21.487 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. 0.00 min

Lab File: VU038890.D

Acq: 15 Jun 2020 13:44

Instrument :

MSVOA_U

ClientSampleId :

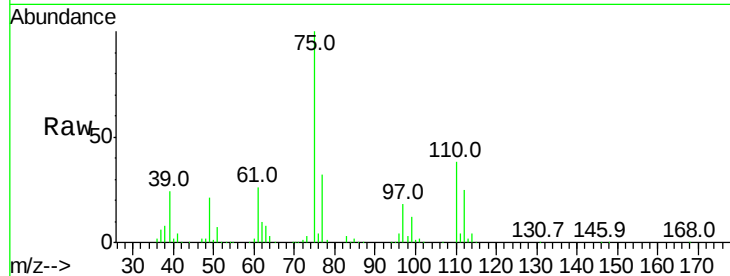
VSTD02001

Tgt Ion: 75 Resp: 385919

Ion Ratio Lower Upper

75 100

77 31.9 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) (-)

10.84

250000

200000

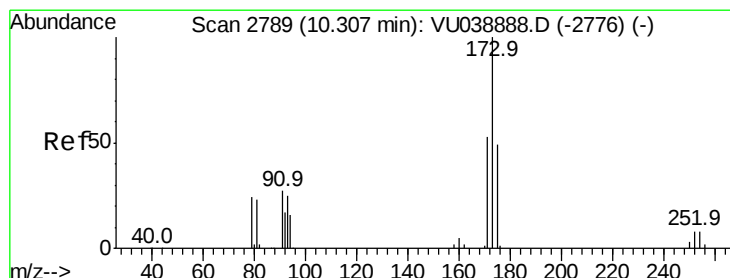
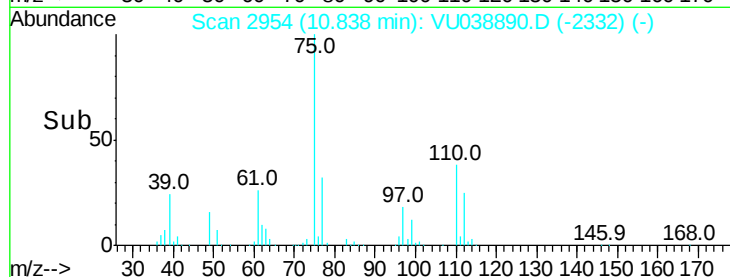
150000

100000

50000

0

Time--> 10.75 10.80 10.85 10.90



#61

Bromoform

Concen: 22.952 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. 0.00 min

Lab File: VU038890.D

Acq: 15 Jun 2020 13:44

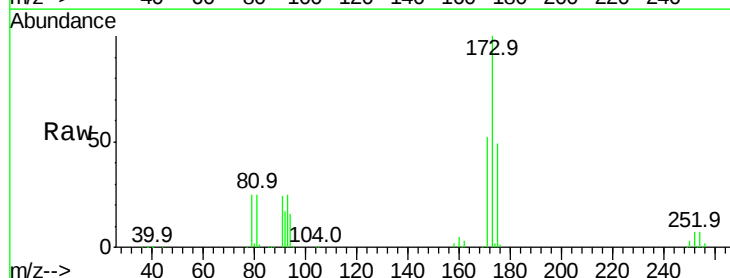
Tgt Ion: 173 Resp: 279760

Ion Ratio Lower Upper

173 100

175 48.4 39.0 58.4

254 7.1 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) (-)

10.31

200000

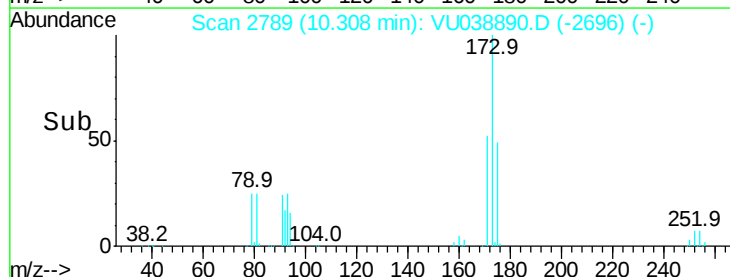
150000

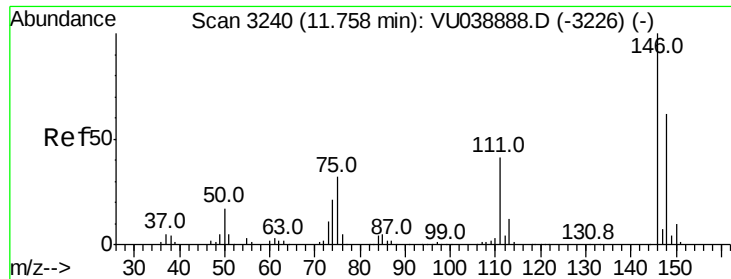
100000

50000

0

Time--> 10.30 10.40

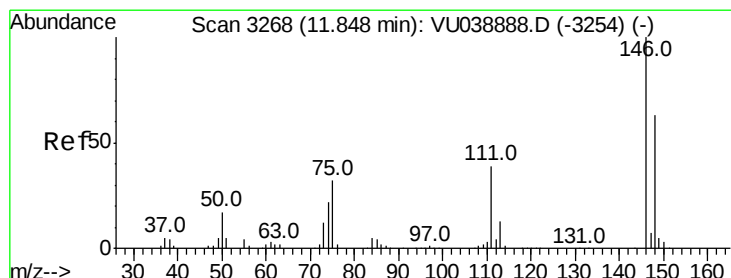
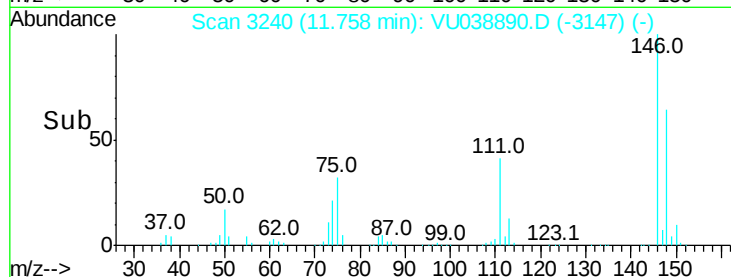
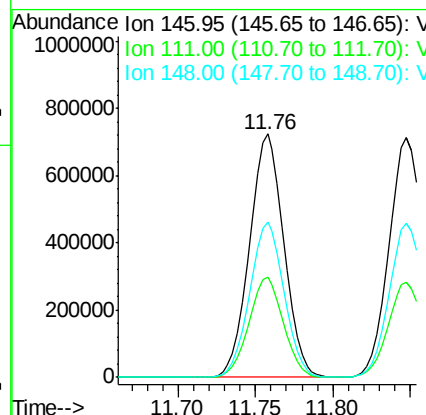
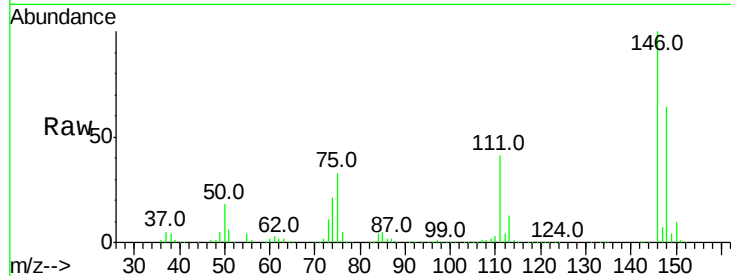




#62
 1,3-Dichlorobenzene
 Concen: 20.489 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU038890.D
 Acq: 15 Jun 2020 13:44

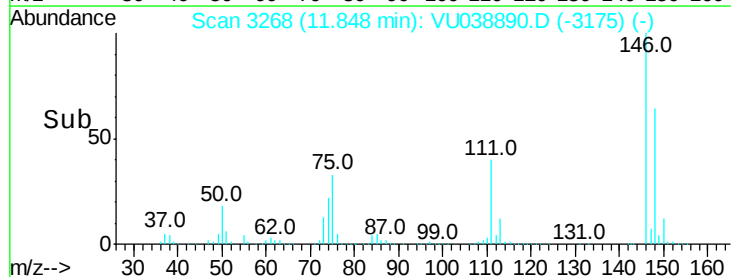
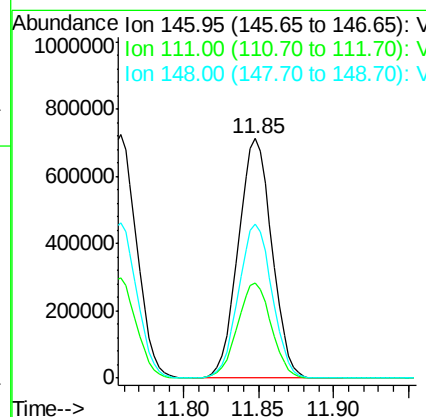
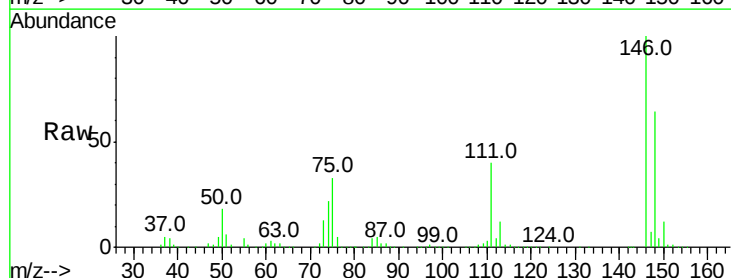
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02001

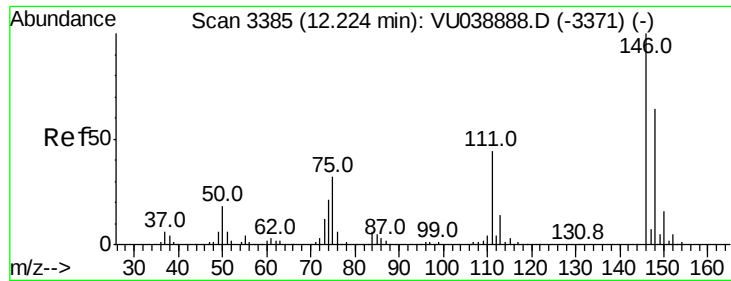
Tgt Ion:146 Resp: 1119456
 Ion Ratio Lower Upper
 146 100
 111 41.2 29.0 53.8
 148 64.0 43.7 81.1



#63
 1,4-Dichlorobenzene
 Concen: 19.975 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. 0.00 min
 Lab File: VU038890.D
 Acq: 15 Jun 2020 13:44

Tgt Ion:146 Resp: 1113281
 Ion Ratio Lower Upper
 146 100
 111 39.7 27.7 51.5
 148 64.3 44.1 81.9





#65

1,2-Dichlorobenzene

Concen: 22.138 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. 0.00 min

Lab File: VU038890.D

Acq: 15 Jun 2020 13:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD02001

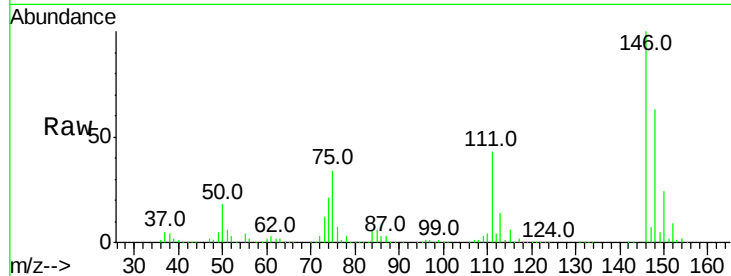
Tgt Ion:146 Resp: 1137869

Ion Ratio Lower Upper

146 100

111 43.3 35.1 52.7

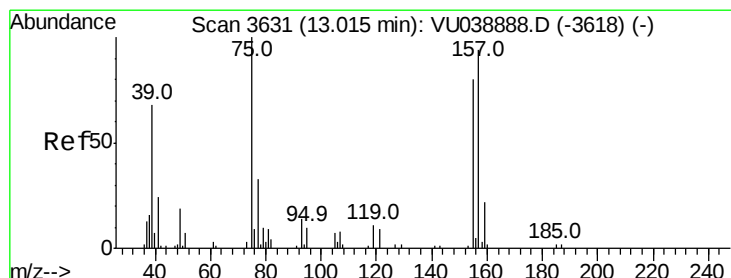
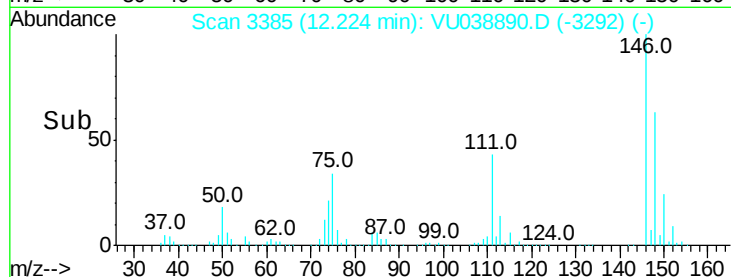
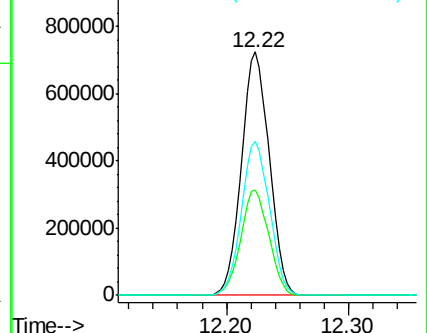
148 63.3 51.4 77.2



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: 26.860 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VU038890.D

Acq: 15 Jun 2020 13:44

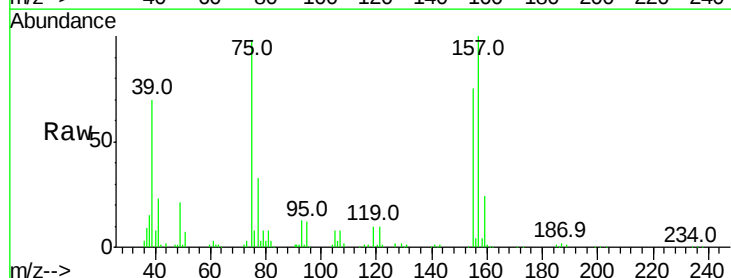
Tgt Ion: 75 Resp: 111974

Ion Ratio Lower Upper

75 100

155 76.8 64.0 96.0

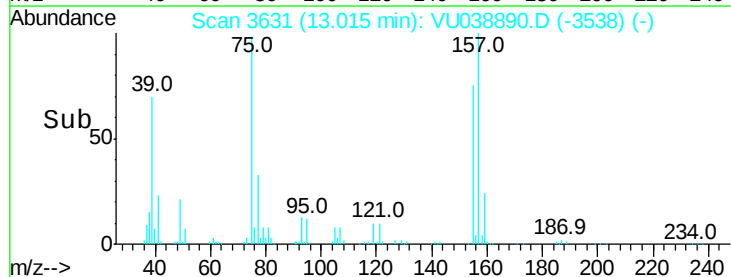
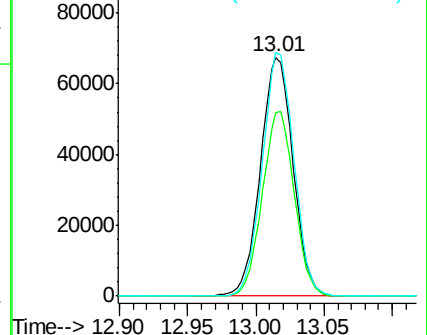
157 102.1 75.4 113.2

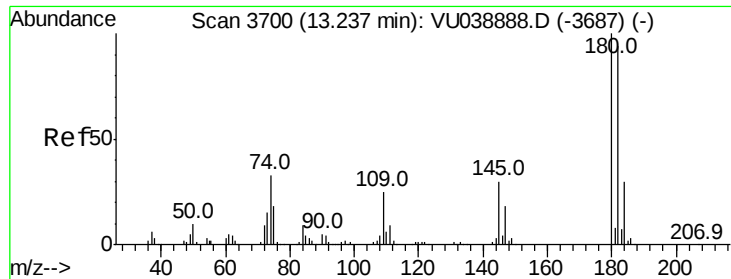


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

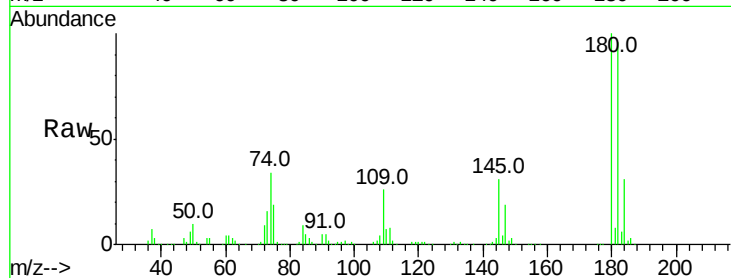




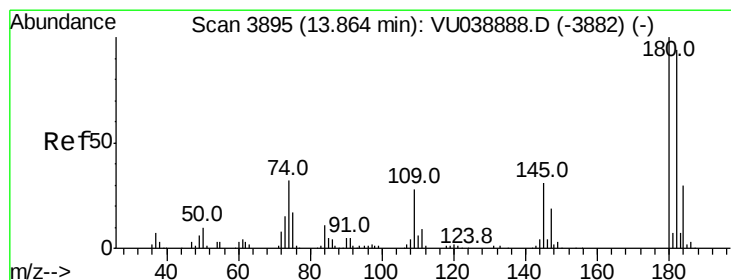
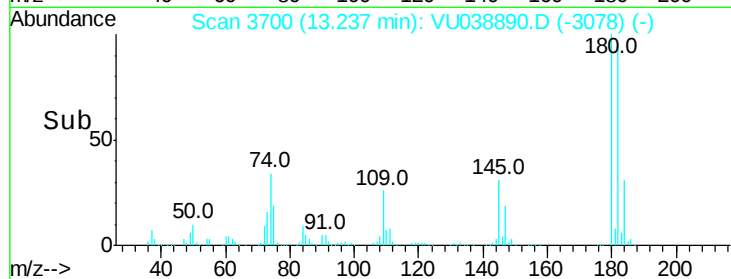
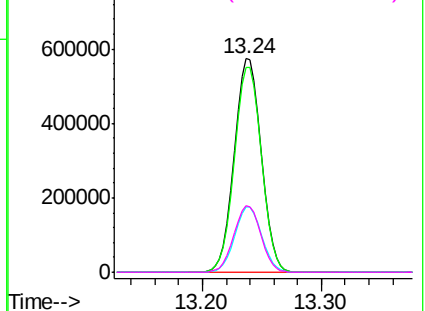
#67
 1,3,5-Trichlorobenzene
 Concen: 22.550 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. 0.00 min
 Lab File: VU038890.D
 Acq: 15 Jun 2020 13:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02001

Tgt Ion:180 Resp: 902571
 Ion Ratio Lower Upper
 180 100
 182 96.3 75.8 113.6
 184 30.5 24.6 36.8
 145 31.1 25.0 37.6

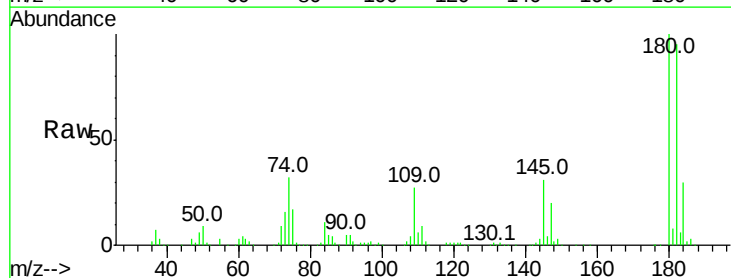


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

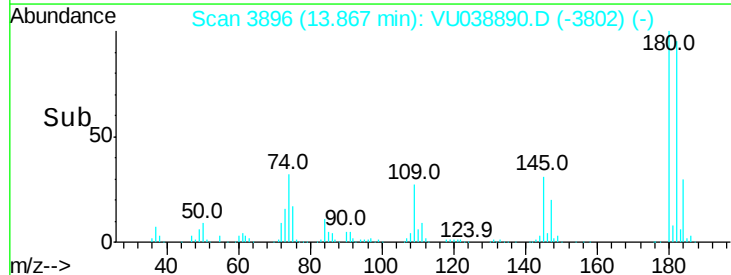
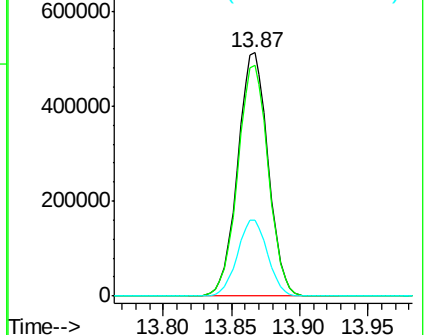


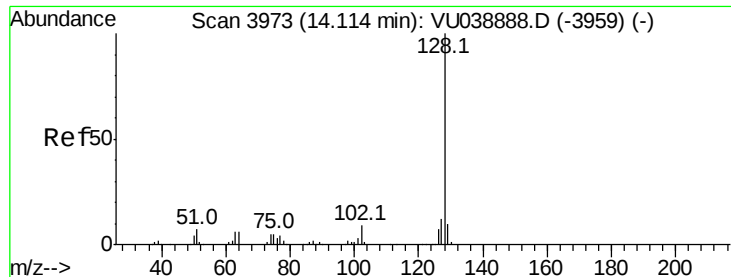
#68
 1,2,4-trichlorobenzene
 Concen: 22.351 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU038890.D
 Acq: 15 Jun 2020 13:44

Tgt Ion:180 Resp: 791602
 Ion Ratio Lower Upper
 180 100
 182 95.2 75.9 113.9
 145 31.0 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: 24.144 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU038890.D

Acq: 15 Jun 2020 13:44

Instrument :

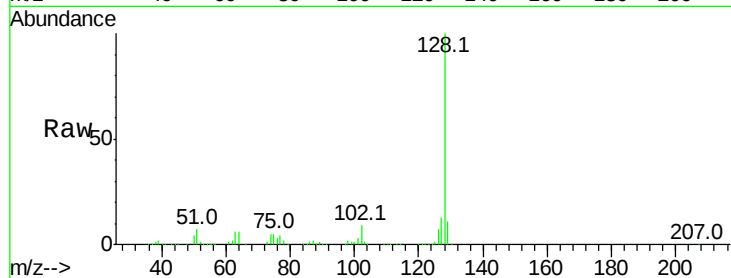
MSVOA_U

ClientSampleId :

VSTD02001

Tgt Ion:128 Resp: 1623347

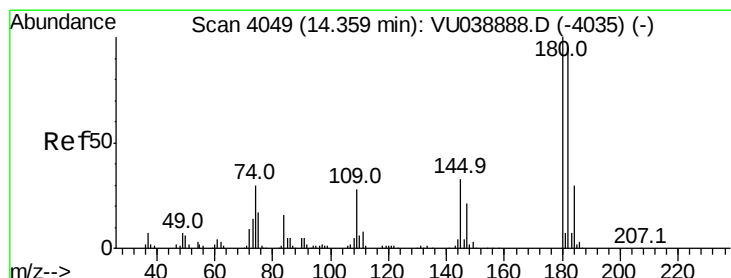
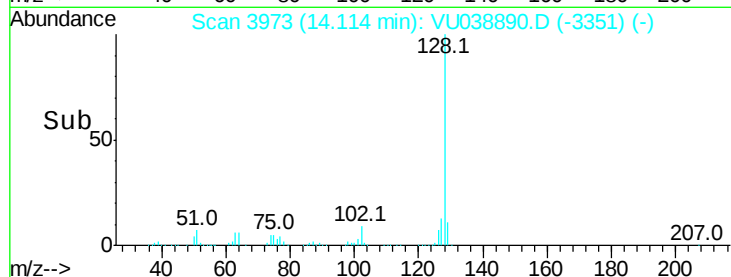
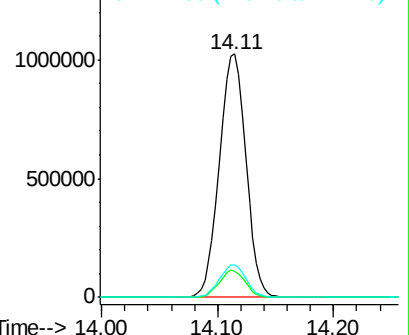
Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.2	12.4
127	13.3	10.1	15.1



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: 22.165 ug/L

RT: 14.36 min Scan# 4049

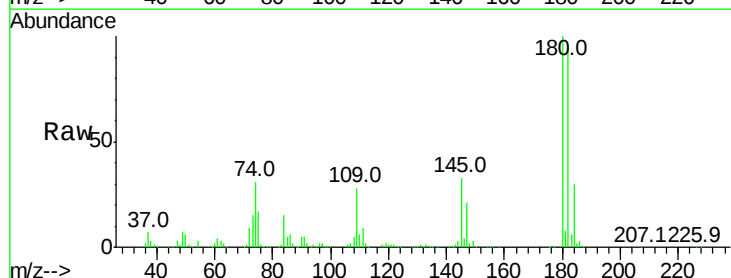
Delta R.T. 0.00 min

Lab File: VU038890.D

Acq: 15 Jun 2020 13:44

Tgt Ion:180 Resp: 717637

Ion	Ratio	Lower	Upper
180	100		
182	95.6	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

