

Data File : VU038838.D
Acq On : 12 Jun 2020 09:10
Operator : SY/MD
Sample : VSTD0.5
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

Quant Time: Jun 12 10:35:51 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 12 10:34:22 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	352048	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	352421	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	171685	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	9530	0.42	ug/L	0.00
7) Chloroethane-d5	1.93	69	7558	0.43	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	21349	0.48	ug/L	0.00
20) 2-Butanone-d5	4.68	46	27044	3.91	ug/L	0.00
24) Chloroform-d	5.10	84	20573	0.48	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	12088	0.50	ug/L	0.00
32) Benzene-d6	5.76	84	37942	0.43	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	11693	0.43	ug/L	0.00
41) Toluene-d8	7.93	98	33884	0.43	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	4843	0.42	ug/L	0.00
46) 2-Hexanone-d5	8.66	63	19982	3.48	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	10764	0.47	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	13670	0.46	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	17673	0.637 ug/L	99
3) Chloromethane	1.53	50	14948	0.587 ug/L	100
5) Vinyl chloride	1.62	62	15696	0.575 ug/L	94
6) Bromomethane	1.88	94	8527	0.643 ug/L	96
8) Chloroethane	1.95	64	10604	0.648 ug/L	100
9) Trichlorofluoromethane	2.16	101	22600	0.624 ug/L	93
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	12877	0.604 ug/L	97
12) 1,1-Dichloroethene	2.60	96	12822	0.591 ug/L	91
13) Acetone	2.68	43	24596	5.430 ug/L	94
14) Carbon disulfide	2.82	76	43048	0.585 ug/L	97
15) Methyl Acetate	2.99	43	5962	0.537 ug/L	76
16) Methylene chloride	3.08	84	16580	0.676 ug/L	96
17) Methyl tert-butyl Ether	3.40	73	30470	0.536 ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	13540	0.579 ug/L	94
19) 1,1-Dichloroethane	3.91	63	24923	0.596 ug/L	99
21) 2-Butanone	4.76	43	38958	5.113 ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	13656	0.543 ug/L	100
23) Bromochloromethane	5.01	128	6787	0.599 ug/L	94
25) Chloroform	5.13	83	25413	0.598 ug/L	89
27) 1,2-Dichloroethane	5.83	62	17809	0.596 ug/L	100
29) 1,1,1-Trichloroethane	5.35	97	21535	0.577 ug/L	98
30) Cyclohexane	5.42	56	19736	0.505 ug/L	97
31) Carbon tetrachloride	5.56	117	17894	0.576 ug/L	98
33) Benzene	5.81	78	52875	0.538 ug/L	100
34) Trichloroethene	6.57	95	14153	0.555 ug/L	91
35) Methylcyclohexane	6.79	83	21313	0.540 ug/L	97
37) 1,2-Dichloropropane	6.82	63	13708	0.554 ug/L	100
38) Bromodichloromethane	7.13	83	17504	0.570 ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	18606	0.509 ug/L	97
40) 4-Methyl-2-pentanone	7.82	43	84928	4.802 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	54378	0.528	ug/L	97
44) trans-1,3-Dichloropropene	8.24	75	16725	0.518	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	10471	0.561	ug/L	98
47) Tetrachloroethene	8.57	164	11263	0.608	ug/L	92
48) 2-Hexanone	8.71	43	65570	4.896	ug/L	97
49) Dibromochloromethane	8.84	129	10655	0.529	ug/L	96
50) 1,2-Dibromoethane	8.95	107	10119	0.566	ug/L #	99
51) Chlorobenzene	9.47	112	36454	0.548	ug/L	99
52) Ethylbenzene	9.59	91	60174	0.525	ug/L	98
53) m,p-Xylene	9.71	106	21271	0.482	ug/L	98
54) o-Xylene	10.12	106	20016	0.473	ug/L	94
55) Styrene	10.13	104	33290	0.463	ug/L	98
56) Isopropylbenzene	10.50	105	54202	0.486	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	13153	0.555	ug/L	87
59) 1,2,3-Trichloropropane	10.84	75	10222	0.554	ug/L	97
61) Bromoform	10.31	173	6229	0.582	ug/L #	99
62) 1,3-Dichlorobenzene	11.76	146	28718	0.569	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	29408	0.575	ug/L	97
65) 1,2-Dichlorobenzene	12.23	146	26636	0.556	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	2094	0.540	ug/L	84
67) 1,3,5-Trichlorobenzene	13.25	180	20755	0.551	ug/L	97
68) 1,2,4-trichlorobenzene	13.88	180	17280	0.496	ug/L	97
69) Naphthalene	14.12	128	30341	0.438	ug/L	98
70) 1,2,3-Trichlorobenzene	14.37	180	15433	0.487	ug/L	98

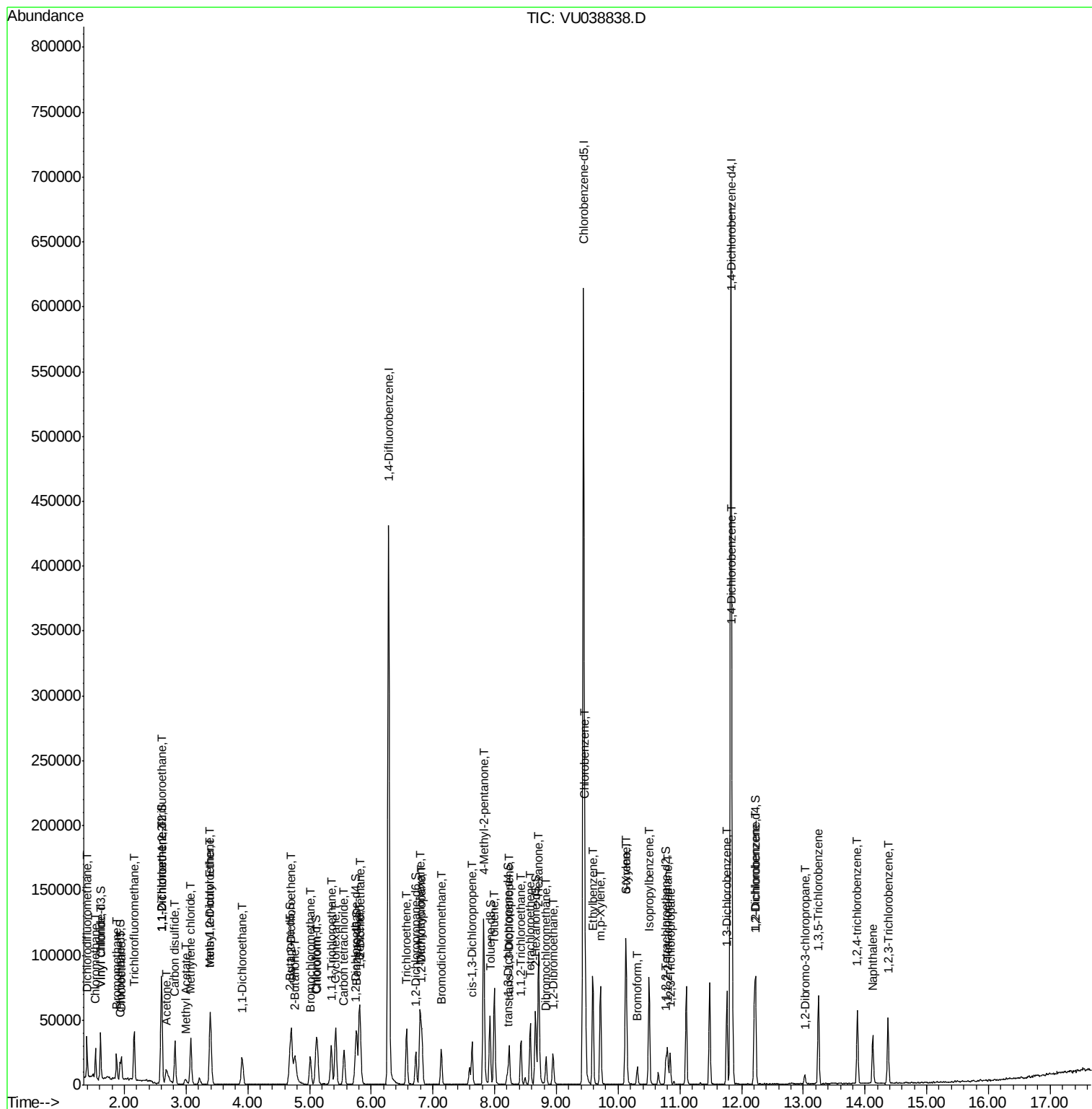
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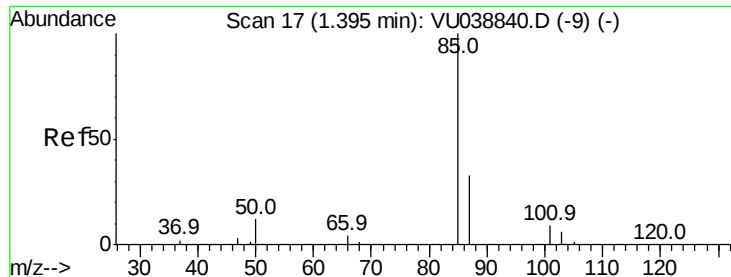
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#2

Dichlorodifluoromethane

Concen: 0.637 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038838.D

Acq: 12 Jun 2020 09:10

Instrument :

MSVOA_U

ClientSampleId :

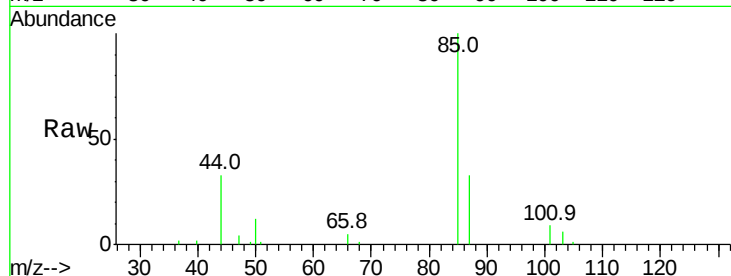
VSTD0.502

Tgt Ion: 85 Resp: 17673

Ion Ratio Lower Upper

85 100

87 32.7 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

1.39

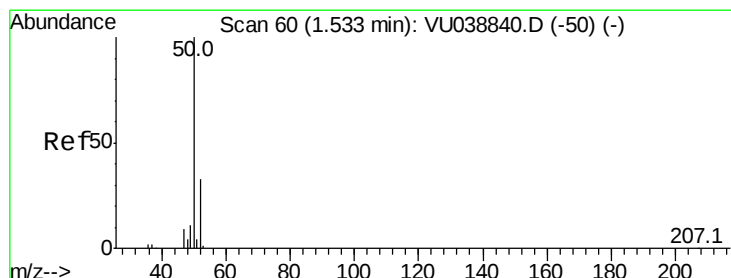
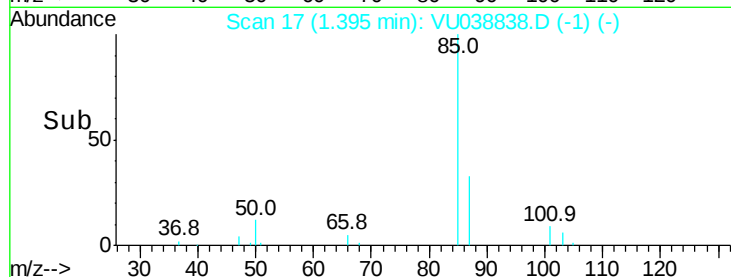
15000

10000

5000

0

Time--> 1.35 1.40



#3

Chloromethane

Concen: 0.587 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU038838.D

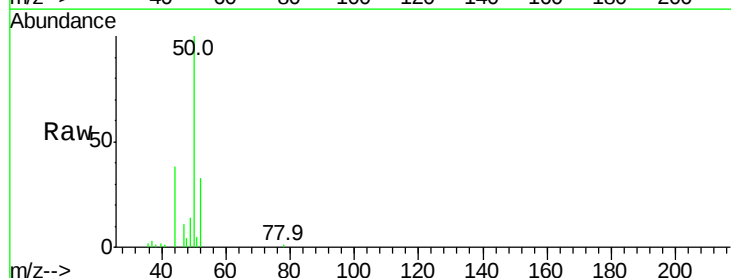
Acq: 12 Jun 2020 09:10

Tgt Ion: 50 Resp: 14948

Ion Ratio Lower Upper

50 100

52 32.6 22.7 42.3



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0

1.53

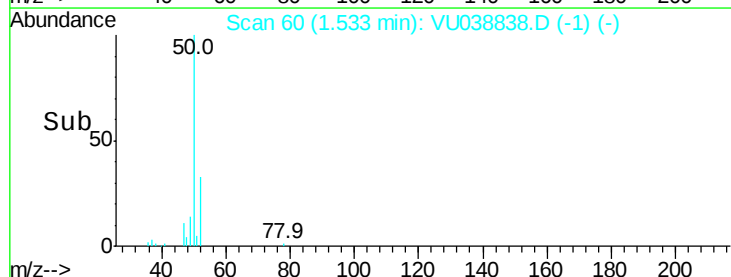
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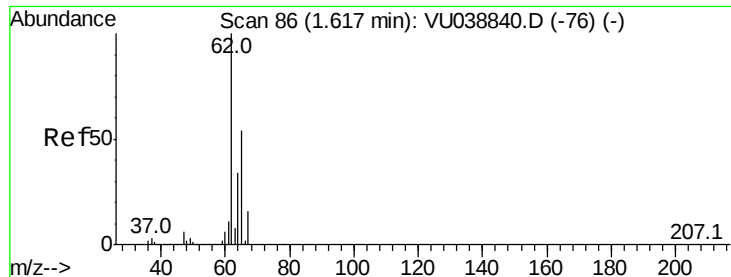
10000

5000

0

Time--> 1.50 1.55





#5

Vinyl chloride

Concen: 0.575 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038838.D

Acq: 12 Jun 2020 09:10

Instrument :

MSVOA_U

ClientSampleId :

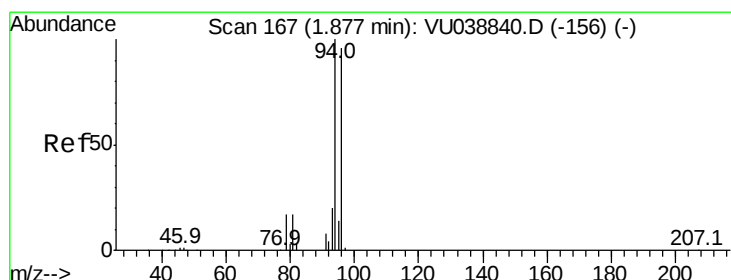
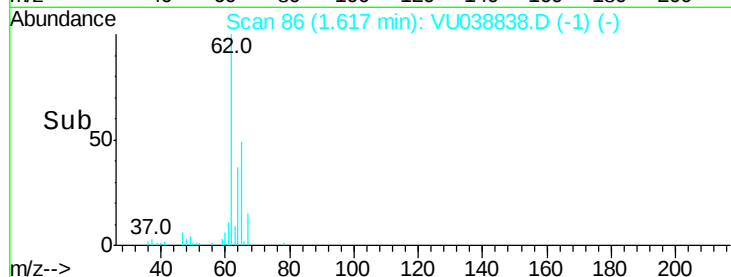
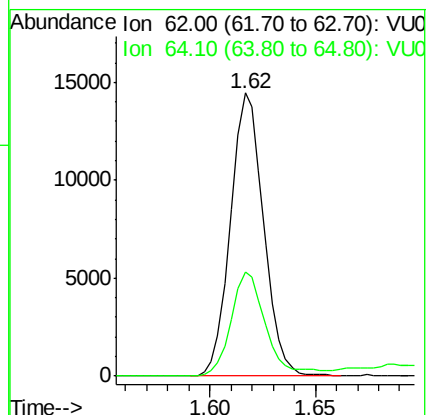
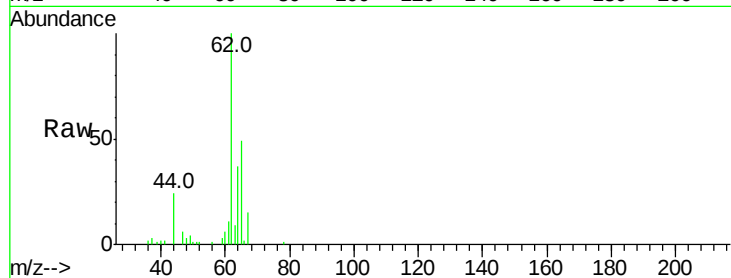
VSTD0.502

Tgt Ion: 62 Resp: 15696

Ion Ratio Lower Upper

62 100

64 36.9 23.4 43.6



#6

Bromomethane

Concen: 0.643 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU038838.D

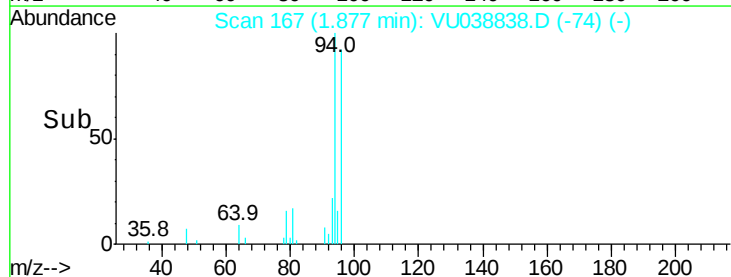
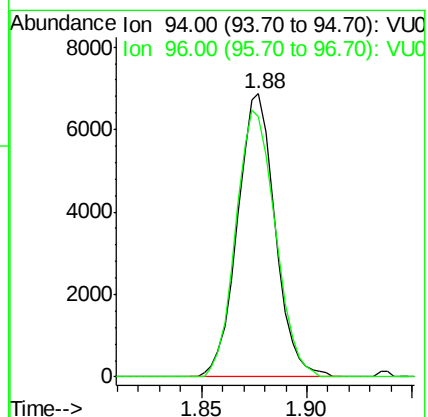
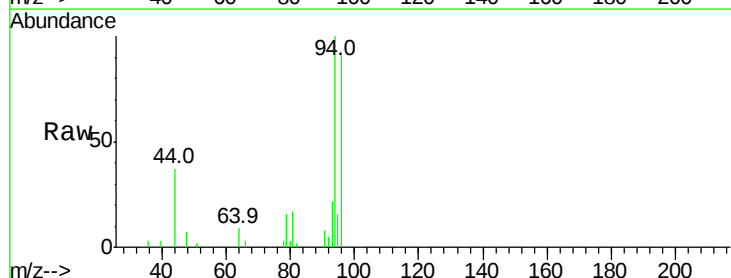
Acq: 12 Jun 2020 09:10

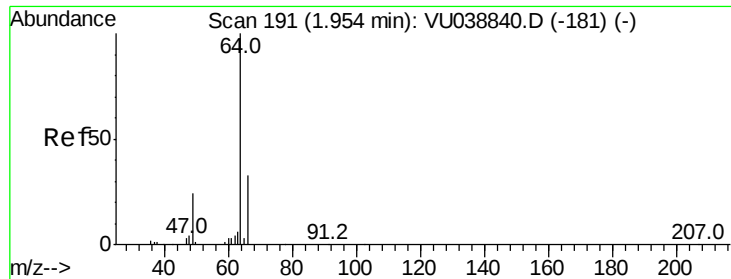
Tgt Ion: 94 Resp: 8527

Ion Ratio Lower Upper

94 100

96 91.9 66.8 124.2





#8

Chloroethane

Concen: 0.648 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU038838.D

Acq: 12 Jun 2020 09:10

Instrument :

MSVOA_U

ClientSampleId :

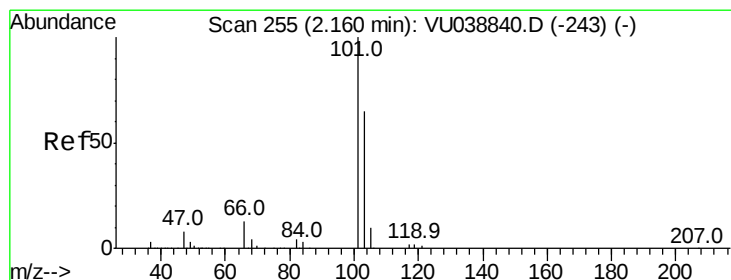
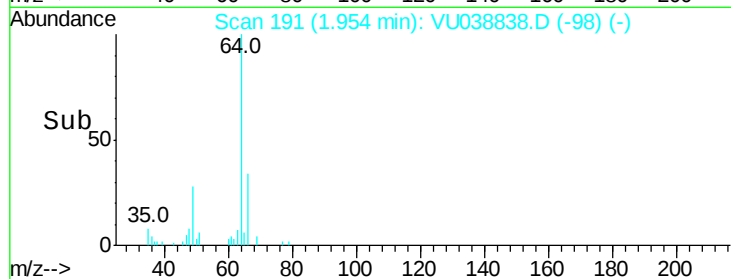
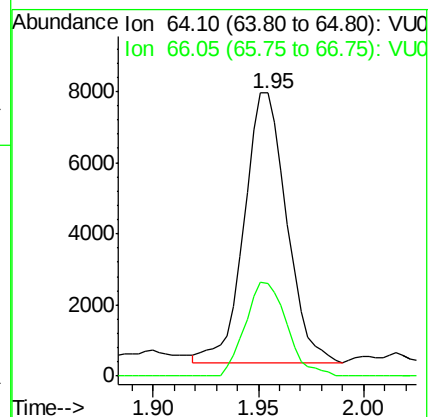
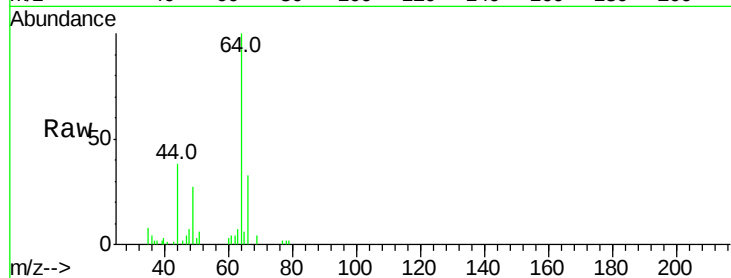
VSTD0.502

Tgt Ion: 64 Resp: 10604

Ion Ratio Lower Upper

64 100

66 32.9 22.9 42.5



#9

Trichlorofluoromethane

Concen: 0.624 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU038838.D

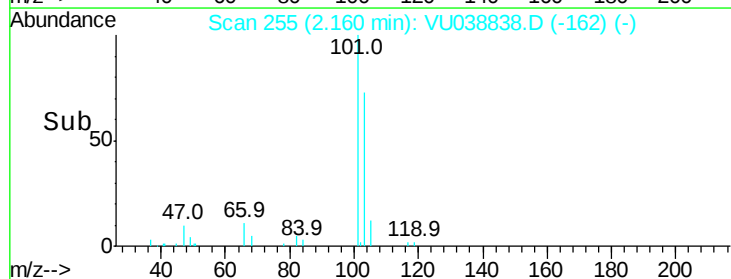
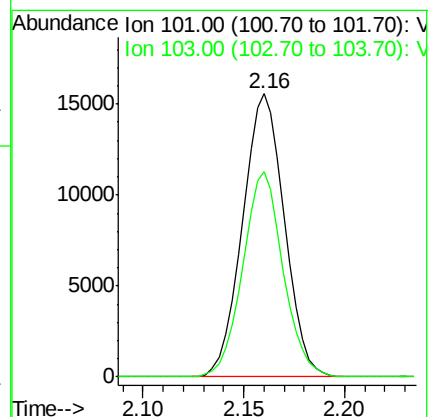
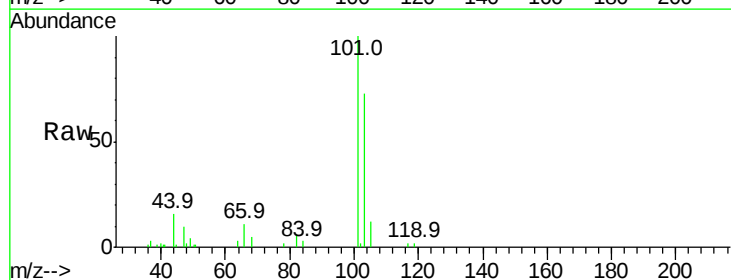
Acq: 12 Jun 2020 09:10

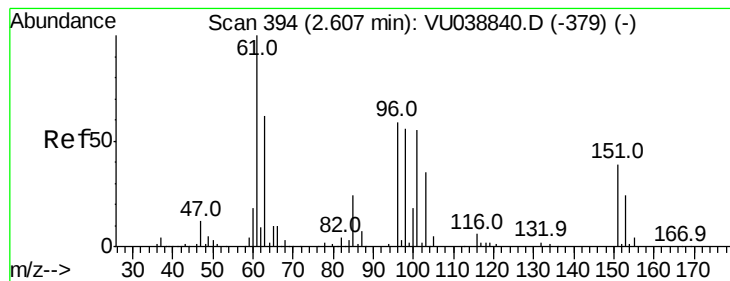
Tgt Ion: 101 Resp: 22600

Ion Ratio Lower Upper

101 100

103 70.0 51.5 77.3





#10

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

Concen: 0.604 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038838.D

Acq: 12 Jun 2020 09:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

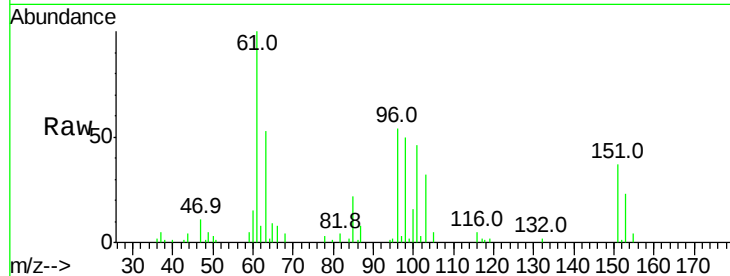
Tgt Ion:101 Resp: 12877

Ion Ratio Lower Upper

101 100

85 46.1 34.5 51.7

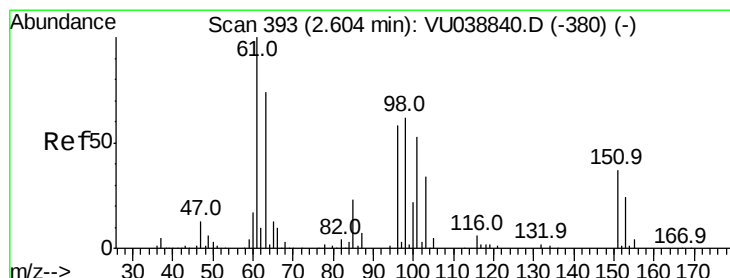
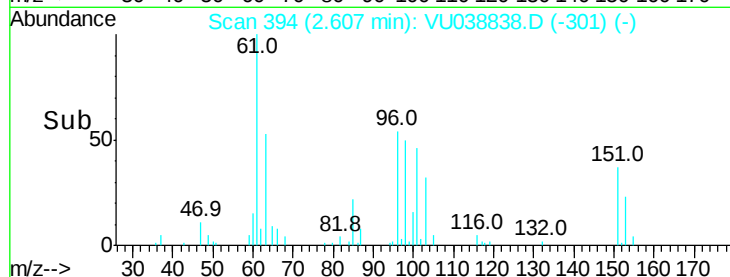
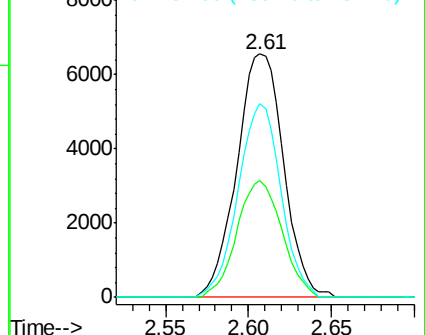
151 72.7 56.5 84.7



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: 0.591 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU038838.D

Acq: 12 Jun 2020 09:10

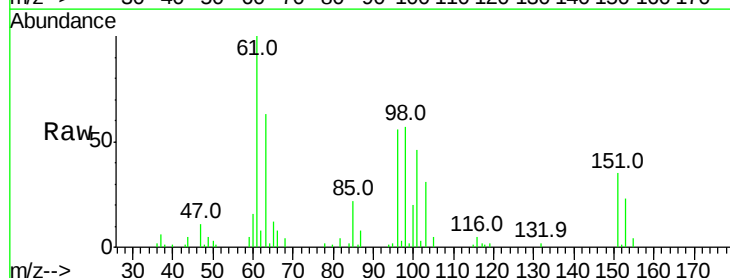
Tgt Ion: 96 Resp: 12822

Ion Ratio Lower Upper

96 100

61 178.3 120.2 223.2

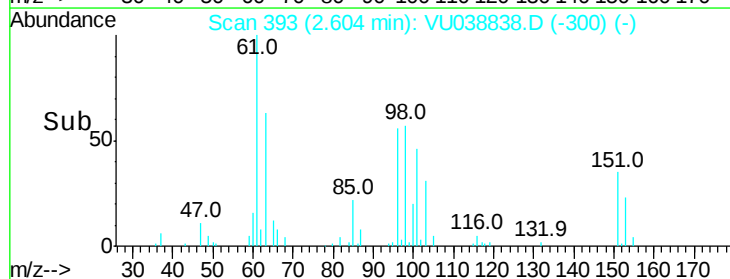
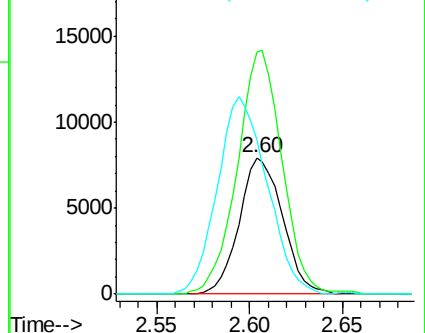
63 113.0 90.1 167.3

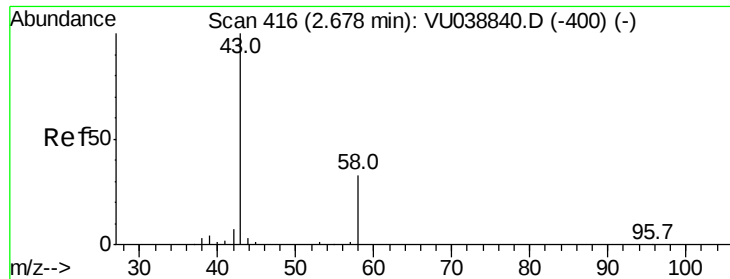


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 5.430 ug/L

RT: 2.68 min Scan# 416

Delta R.T. 0.00 min

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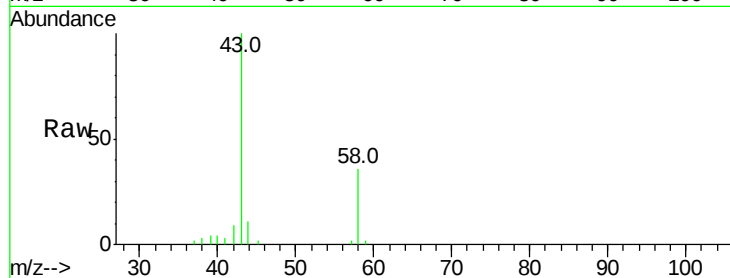
VSTD0.502

Tgt Ion: 43 Resp: 24596

Ion Ratio Lower Upper

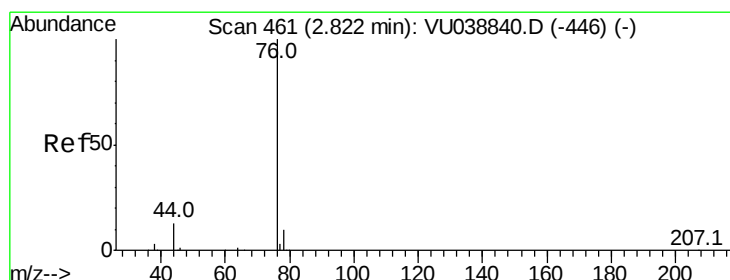
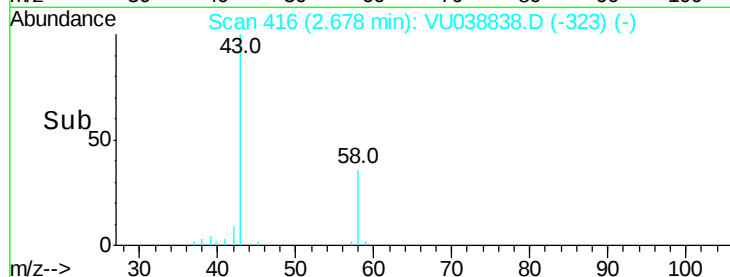
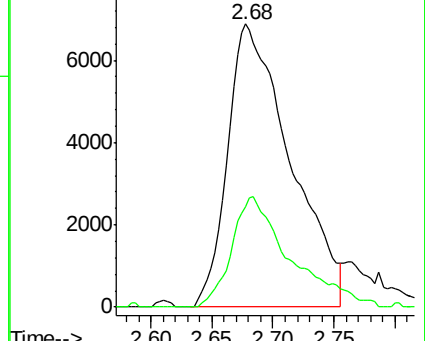
43 100

58 36.6 0.0 66.0



Abundance Ion 43.05 (42.75 to 43.75): VU038838.D (-323) (-)

Ion 58.05 (57.75 to 58.75): VU038838.D (-323) (-)



#14

Carbon disulfide

Concen: 0.585 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU038838.D

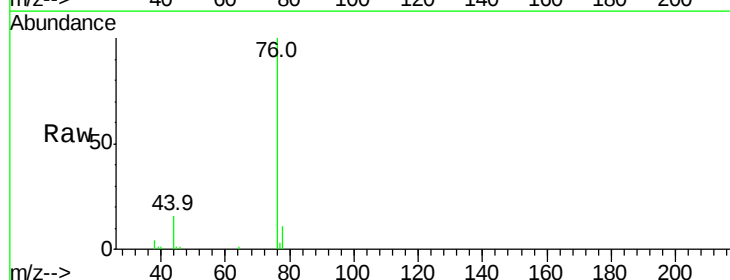
Acq: 12 Jun 2020 09:10

Tgt Ion: 76 Resp: 43048

Ion Ratio Lower Upper

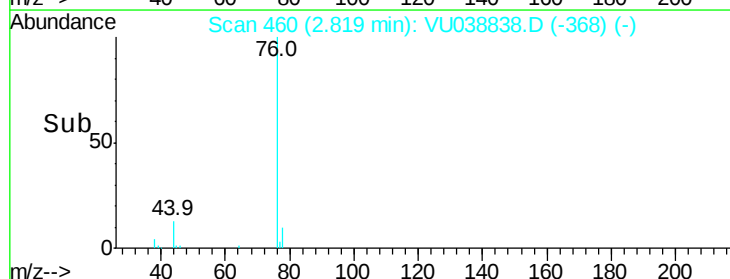
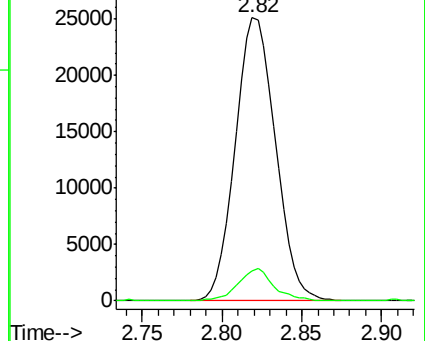
76 100

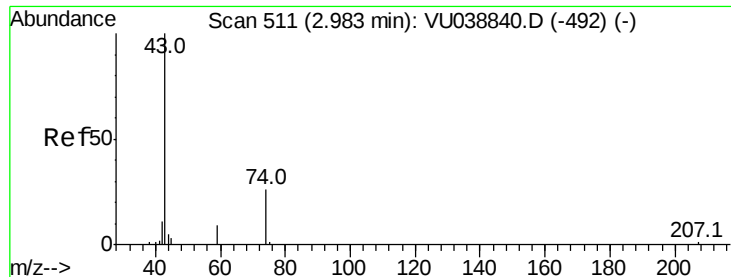
78 10.8 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VU038838.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VU038838.D (-368) (-)





#15

Methyl Acetate

Concen: 0.537 ug/L

RT: 2.99 min Scan# 513

Delta R.T. 0.01 min

Lab File: VU038838.D

Acq: 12 Jun 2020 09:10

Instrument :

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ClientSampleId :

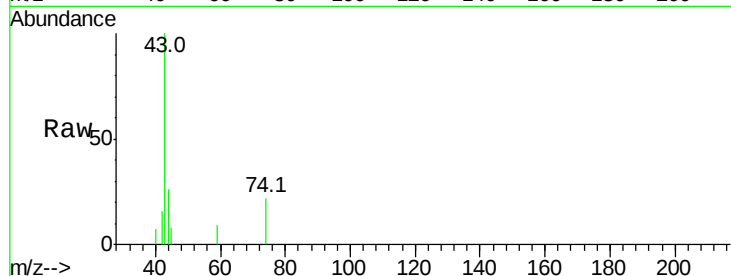
VSTD0.502

Tgt Ion: 43 Resp: 5962

Ion Ratio Lower Upper

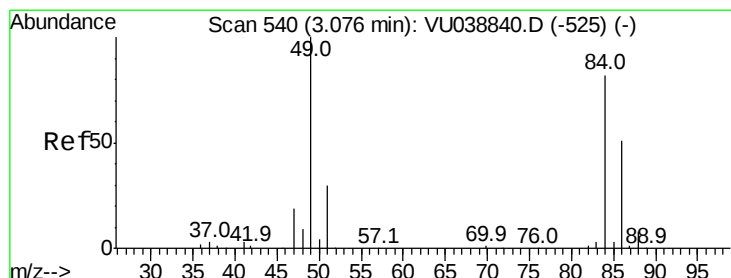
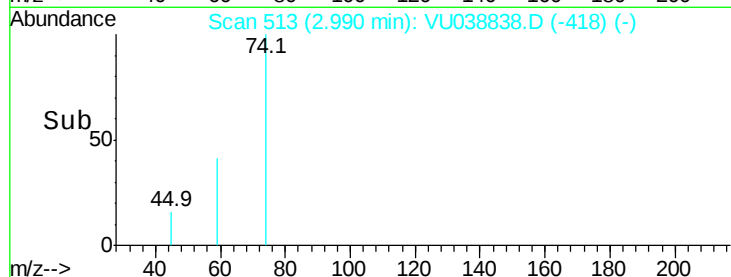
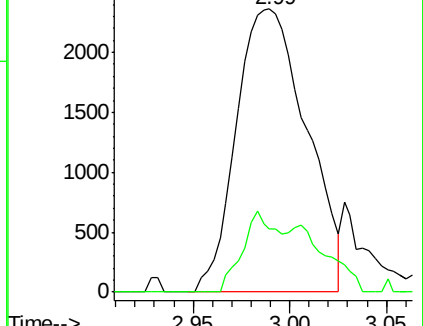
43 100

74 14.0 21.0 31.4#



Abundance Ion 43.05 (42.75 to 43.75): VU038840.D (-492) (-)

Ion 74.05 (73.75 to 74.75): VU038840.D (-492) (-)



#16

Methylene chloride

Concen: 0.676 ug/L

RT: 3.08 min Scan# 541

Delta R.T. 0.00 min

Lab File: VU038838.D

Acq: 12 Jun 2020 09:10

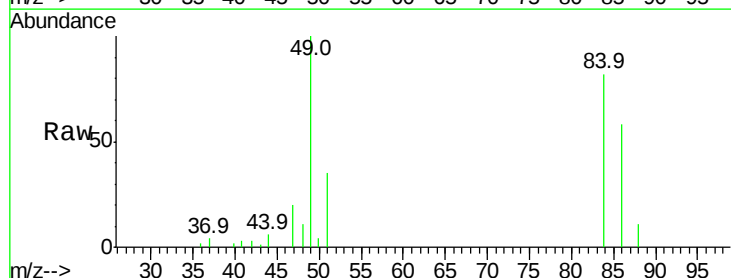
Tgt Ion: 84 Resp: 16580

Ion Ratio Lower Upper

84 100

86 70.3 43.0 80.0

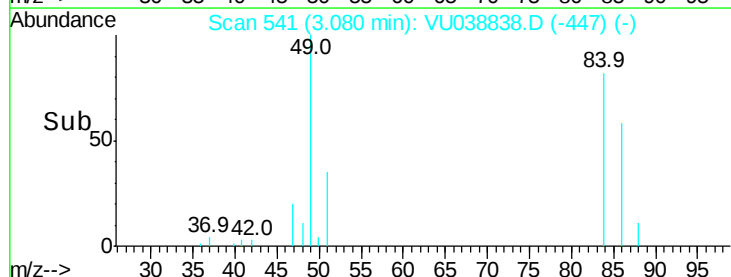
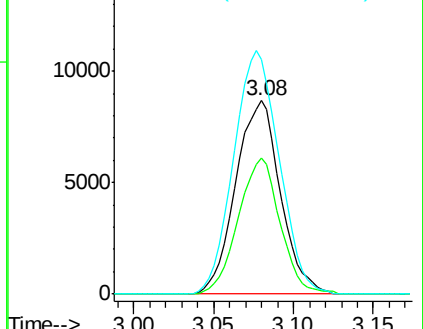
49 121.2 85.0 157.8

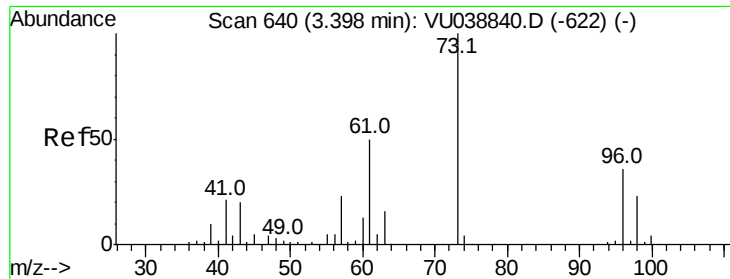


Abundance Ion 84.05 (83.75 to 84.75): VU038840.D (-525) (-)

Ion 86.00 (85.70 to 86.70): VU038840.D (-525) (-)

Ion 49.10 (48.80 to 49.80): VU038840.D (-525) (-)

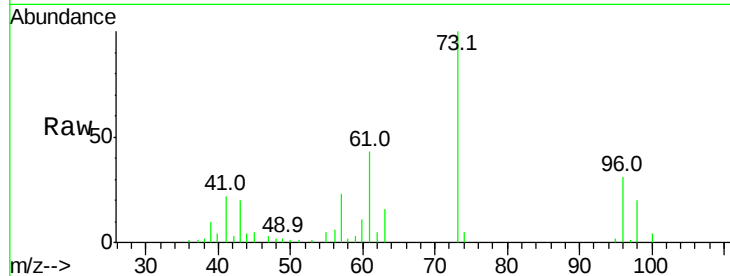




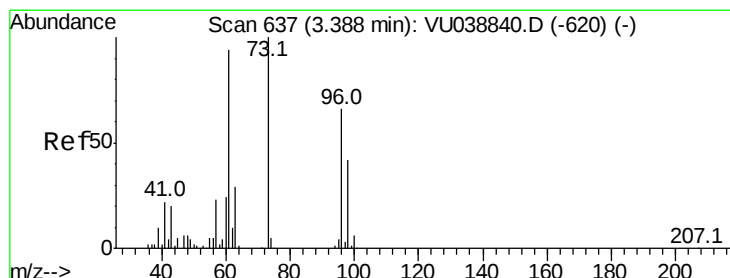
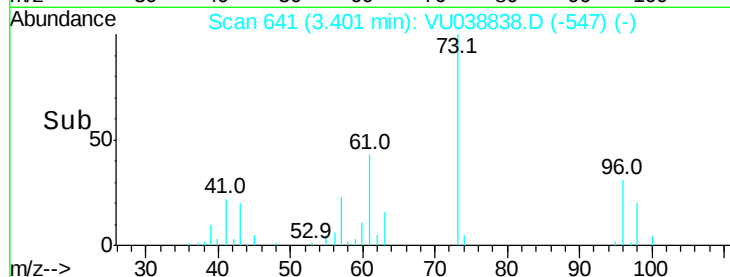
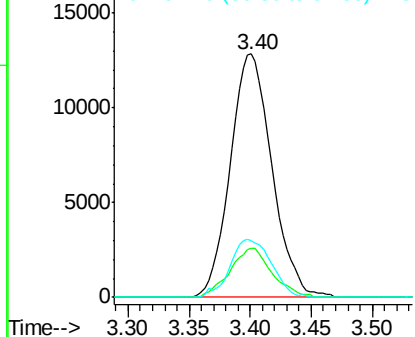
#17
Methyl tert-butyl Ether
Concen: 0.536 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU038838.D
Acq: 12 Jun 2020 09:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

Tgt Ion: 73 Resp: 30470
Ion Ratio Lower Upper
73 100
43 20.2 15.9 23.9
57 23.6 17.5 26.3

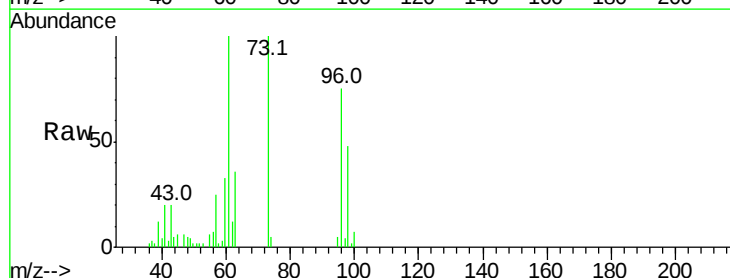


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

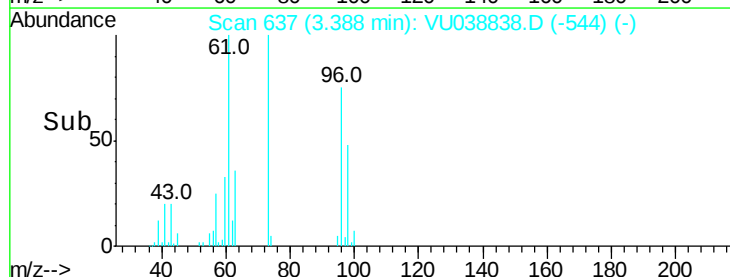
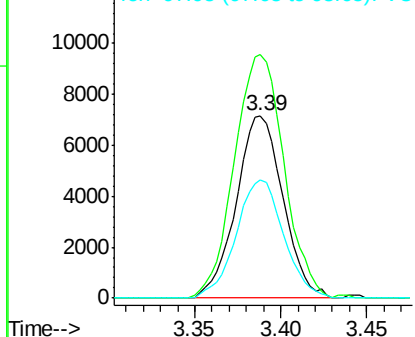


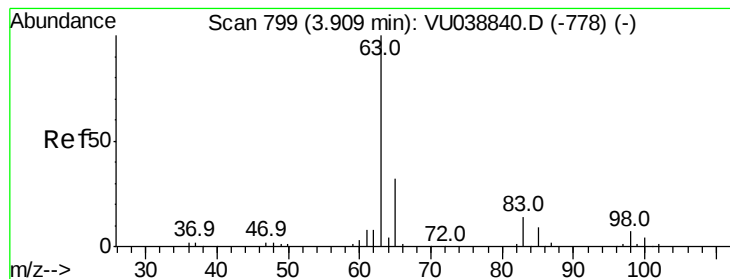
#18
trans-1,2-Dichloroethene
Concen: 0.579 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU038838.D
Acq: 12 Jun 2020 09:10

Tgt Ion: 96 Resp: 13540
Ion Ratio Lower Upper
96 100
61 133.6 99.3 184.5
98 64.9 43.9 81.5



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 0.596 ug/L

RT: 3.91 min Scan# 798

Delta R.T. -0.00 min

Lab File: VU038838.D

Acq: 12 Jun 2020 09:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

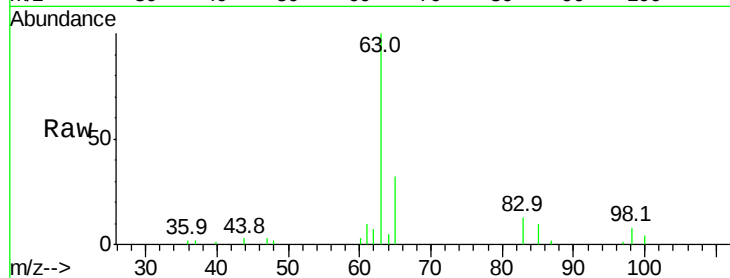
Tgt Ion: 63 Resp: 24923

Ion Ratio Lower Upper

63 100

65 31.8 22.3 41.5

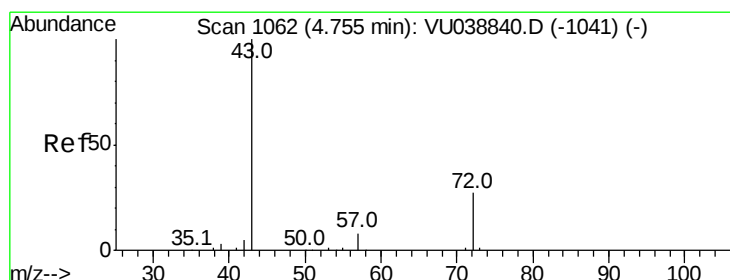
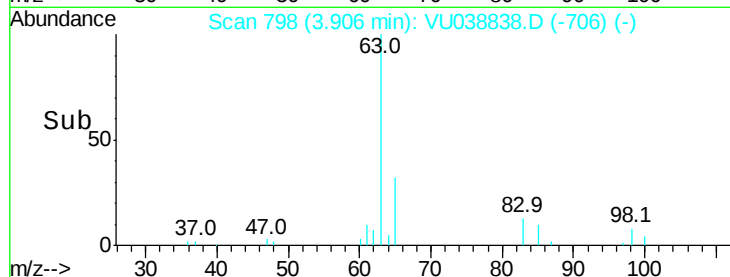
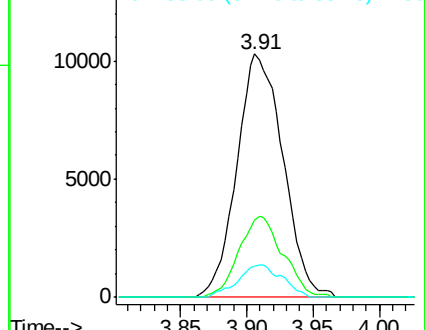
83 12.8 10.1 18.9



Abundance Ion 63.10 (62.80 to 63.80): VU038838.D (-706) (-)

Ion 65.10 (64.80 to 65.80): VU038838.D (-706) (-)

Ion 83.05 (82.75 to 83.75): VU038838.D (-706) (-)



#21

2-Butanone

Concen: 5.113 ug/L

RT: 4.76 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VU038838.D

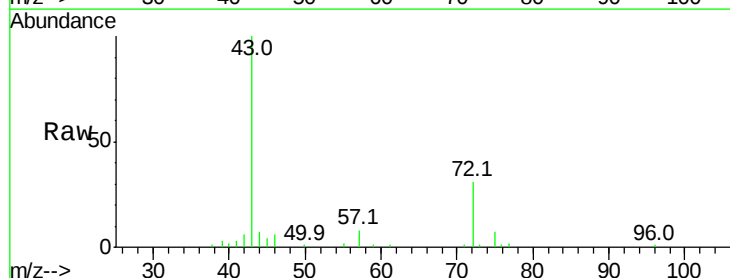
Acq: 12 Jun 2020 09:10

Tgt Ion: 43 Resp: 38958

Ion Ratio Lower Upper

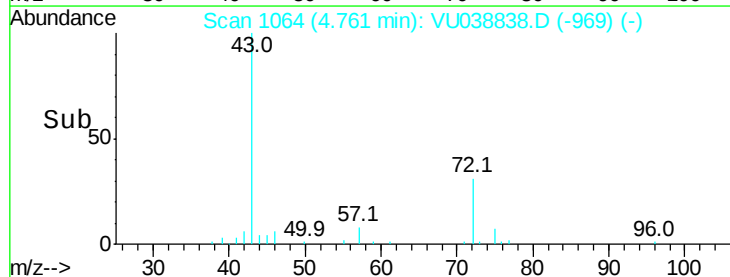
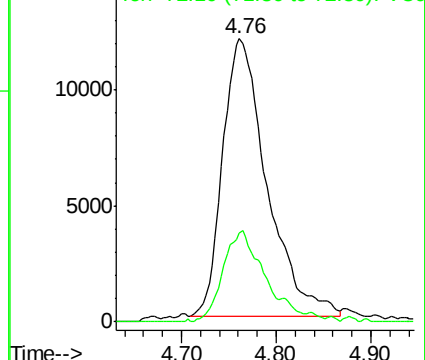
43 100

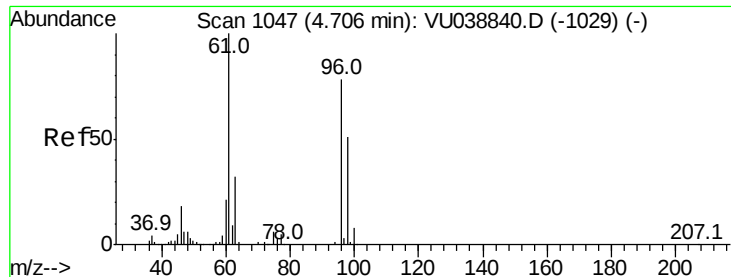
72 28.1 14.2 42.8



Abundance Ion 43.05 (42.75 to 43.75): VU038838.D (-969) (-)

Ion 72.10 (71.80 to 72.80): VU038838.D (-969) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.543 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU038838.D

Acq: 12 Jun 2020 09:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

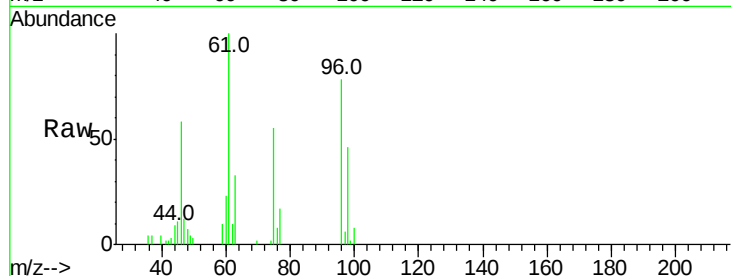
Tgt Ion: 96 Resp: 13656

Ion Ratio Lower Upper

96 100

61 127.7 89.7 166.7

68 0.0 0.0 0.0

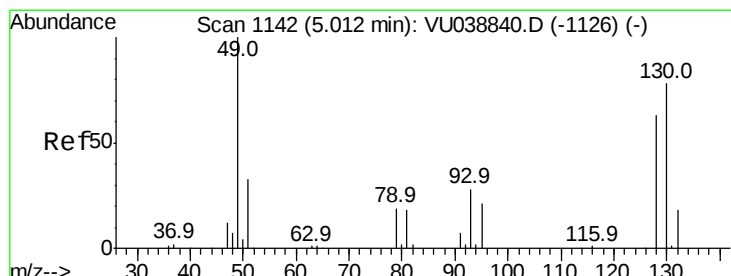
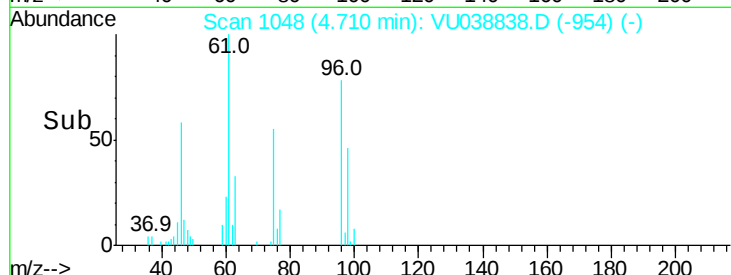
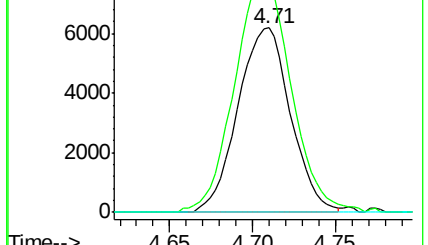


Abundance Ion 96.00 (95.70 to 96.70): VU038838.D (-1048) (-)

Ion 61.05 (60.75 to 61.75): VU038838.D (-1048) (-)

Ion 68.15 (67.85 to 68.85): VU038838.D (-1048) (-)

Time-->



#23

Bromochloromethane

Concen: 0.599 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU038838.D

Acq: 12 Jun 2020 09:10

Tgt Ion: 128 Resp: 6787

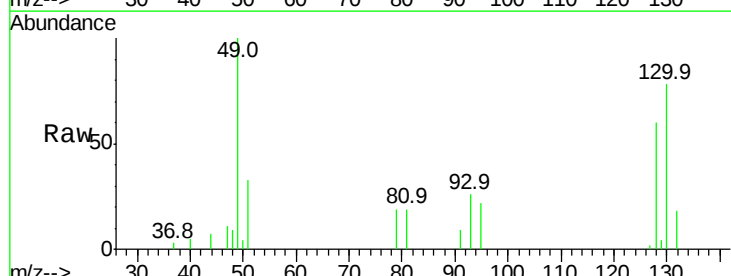
Ion Ratio Lower Upper

128 100

49 166.8 110.8 205.8

130 130.6 86.6 160.8

51 54.5 42.3 63.5



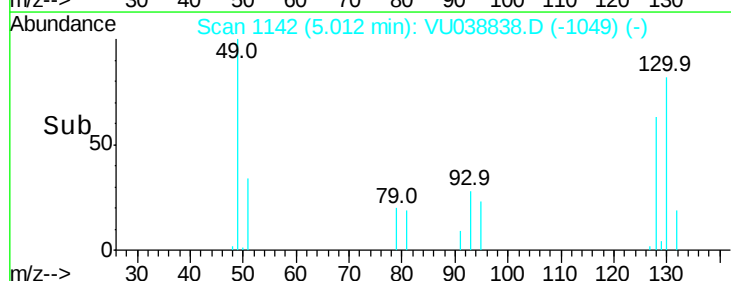
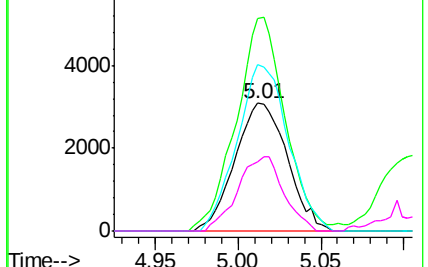
Abundance Ion 127.90 (127.60 to 128.60): VU038838.D (-1142) (-)

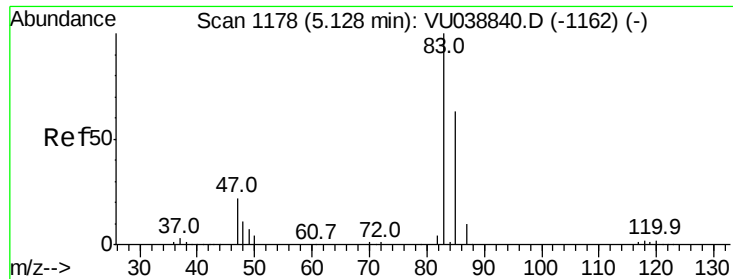
Ion 49.10 (48.80 to 49.80): VU038838.D (-1142) (-)

Ion 129.95 (129.65 to 130.65): VU038838.D (-1142) (-)

Ion 51.05 (50.75 to 51.75): VU038838.D (-1142) (-)

Time-->

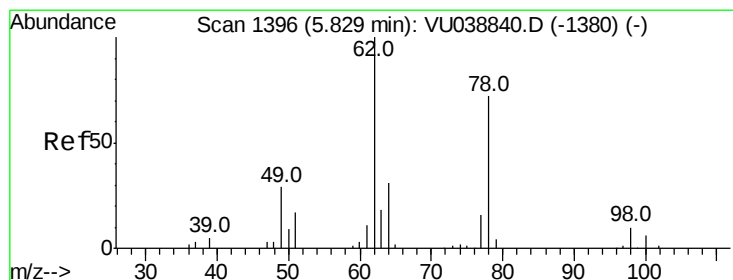
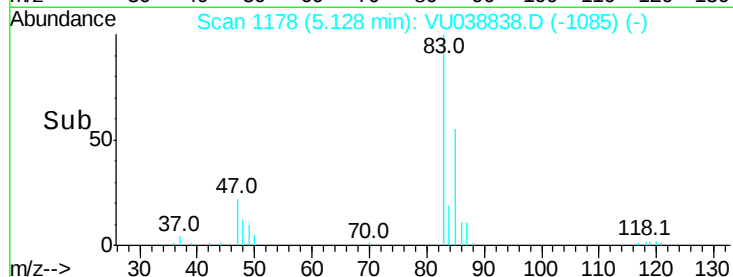
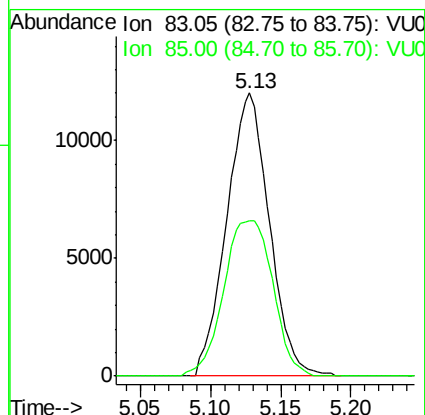
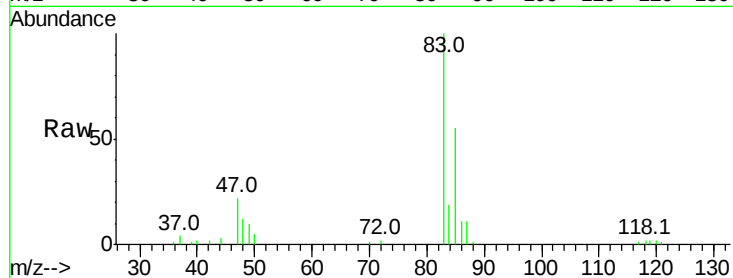




#25
Chloroform
Concen: 0.598 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU038838.D
Acq: 12 Jun 2020 09:10

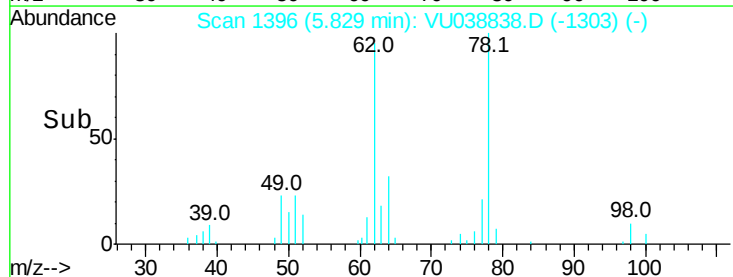
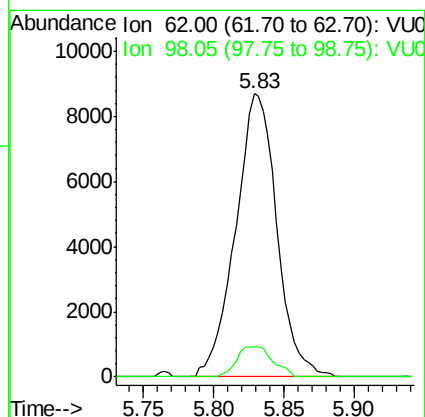
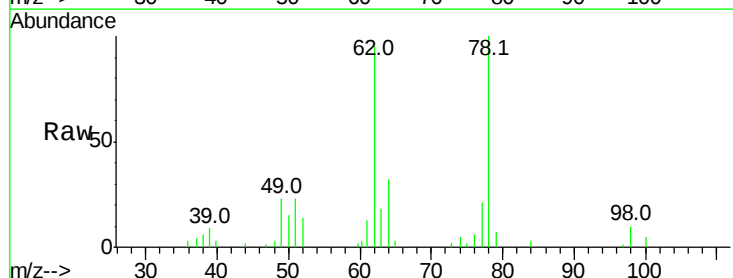
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

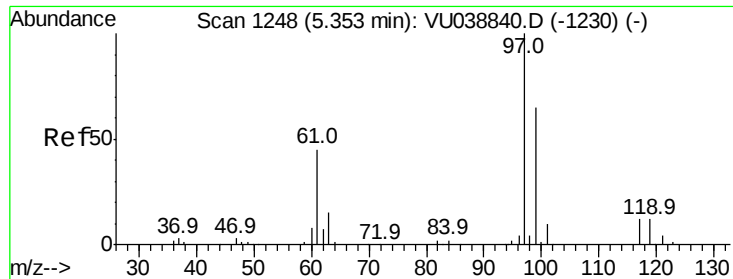
Tgt Ion: 83 Resp: 25413
Ion Ratio Lower Upper
83 100
85 54.8 44.1 81.9



#27
1,2-Dichloroethane
Concen: 0.596 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU038838.D
Acq: 12 Jun 2020 09:10

Tgt Ion: 62 Resp: 17809
Ion Ratio Lower Upper
62 100
98 10.4 8.2 12.4

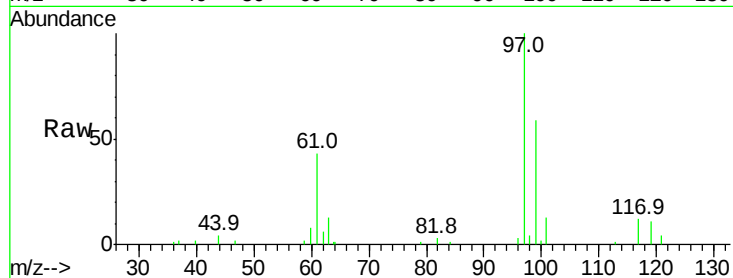




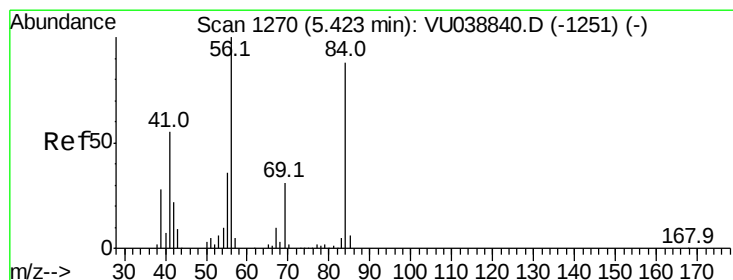
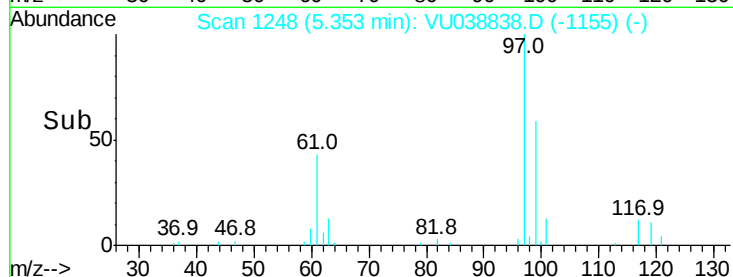
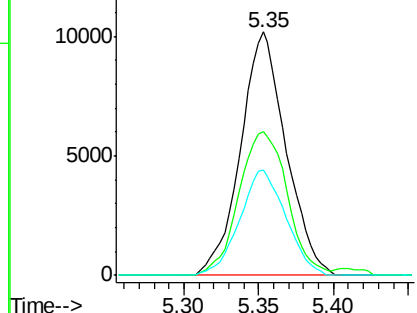
#29
1,1,1-Trichloroethane
Concen: 0.577 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VU038838.D
Acq: 12 Jun 2020 09:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

Tgt Ion: 97 Resp: 21535
Ion Ratio Lower Upper
97 100
99 63.0 52.1 78.1
61 43.9 35.9 53.9

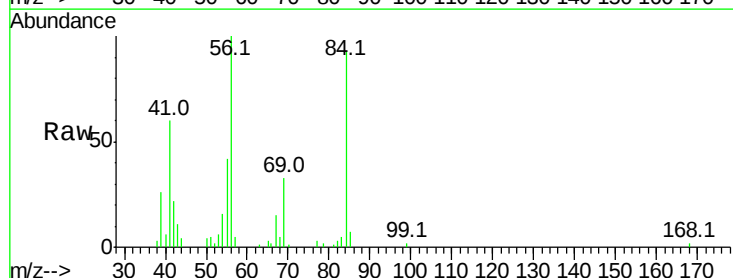


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

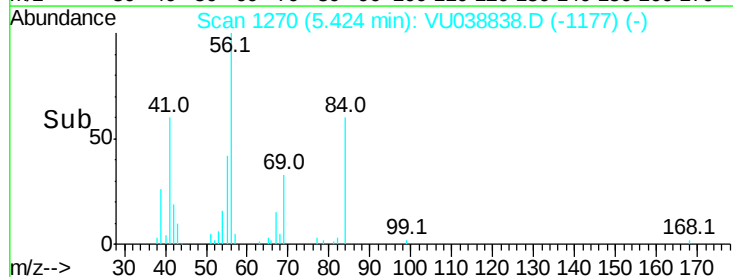
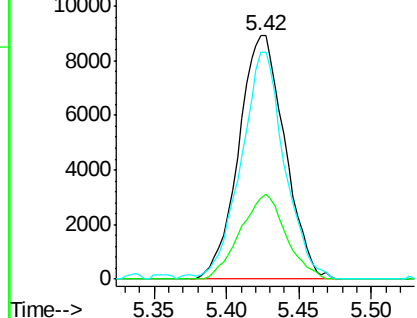


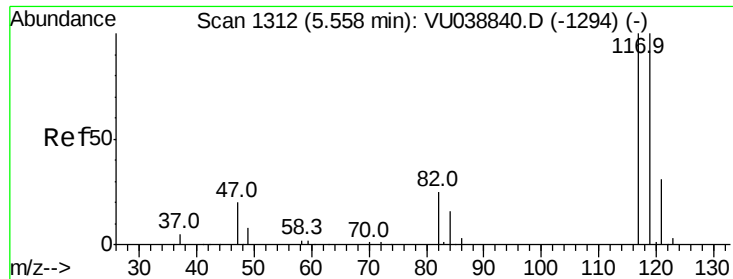
#30
Cyclohexane
Concen: 0.505 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU038838.D
Acq: 12 Jun 2020 09:10

Tgt Ion: 56 Resp: 19736
Ion Ratio Lower Upper
56 100
69 34.5 25.1 37.7
84 88.5 69.5 104.3



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: 0.576 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU038838.D

Acq: 12 Jun 2020 09:10

Instrument :

MSVOA_U

ClientSampleId :

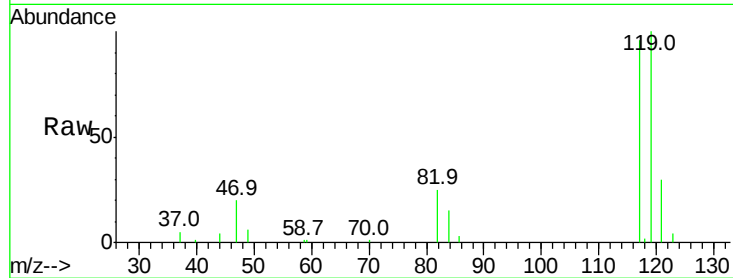
VSTD0.502

Tgt Ion:117 Resp: 17894

Ion Ratio Lower Upper

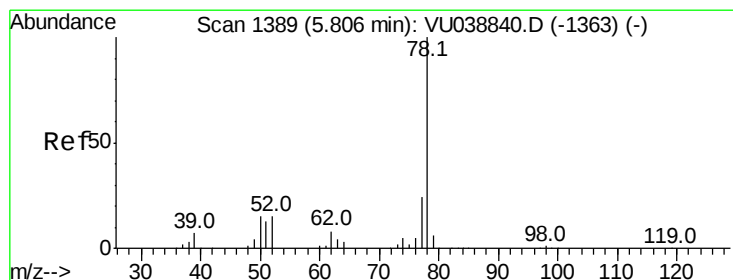
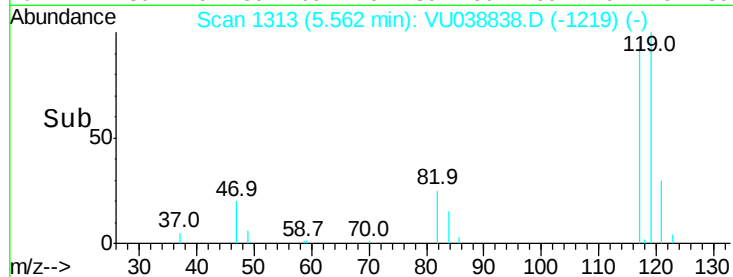
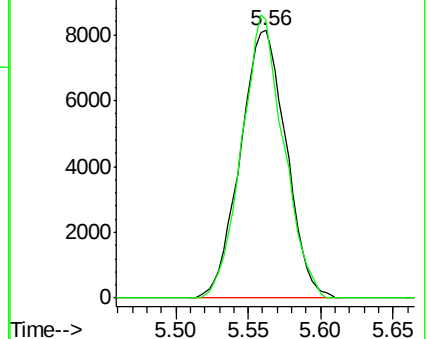
117 100

119 96.7 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.538 ug/L

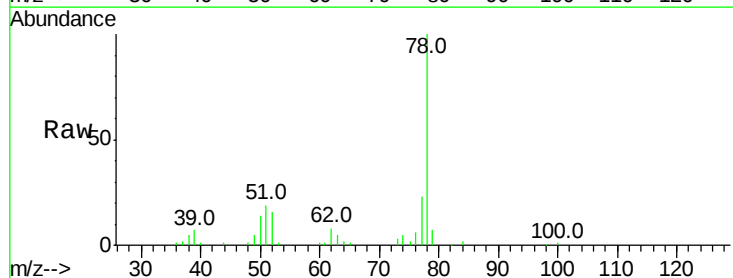
RT: 5.81 min Scan# 1389

Delta R.T. 0.00 min

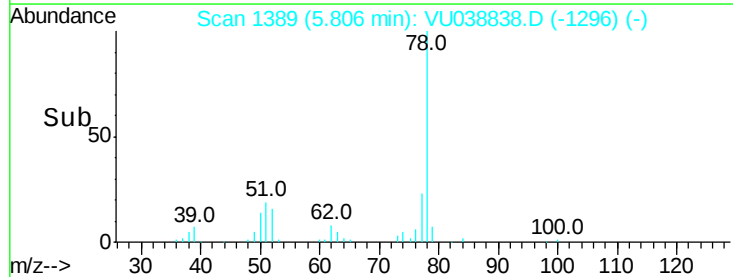
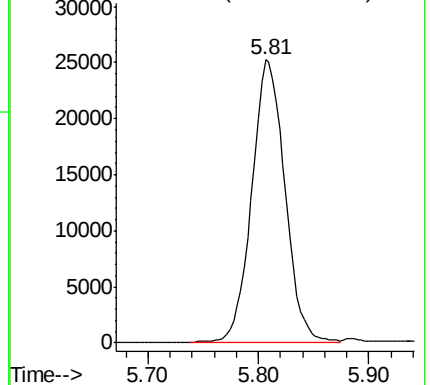
Lab File: VU038838.D

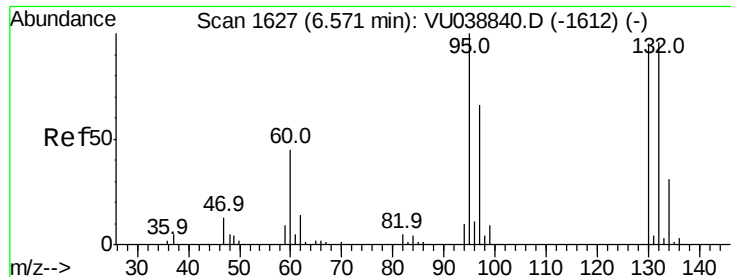
Acq: 12 Jun 2020 09:10

Tgt Ion: 78 Resp: 52875



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 0.555 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU038838.D

Acq: 12 Jun 2020 09:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

Tgt Ion: 95 Resp: 14153

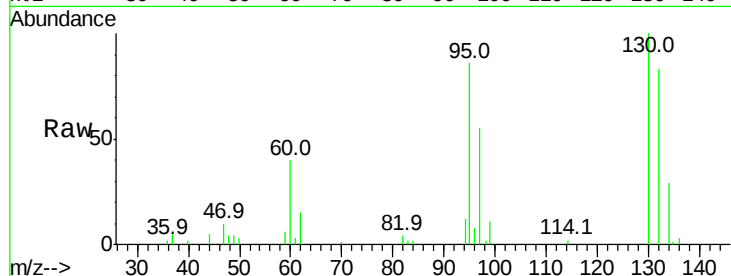
Ion Ratio Lower Upper

95 100

97 64.2 46.1 85.5

132 95.6 67.5 125.3

130 115.8 66.7 123.9

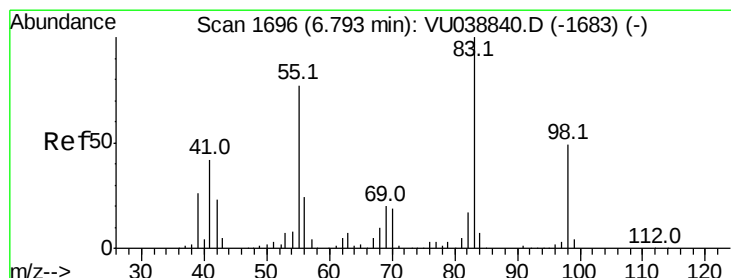
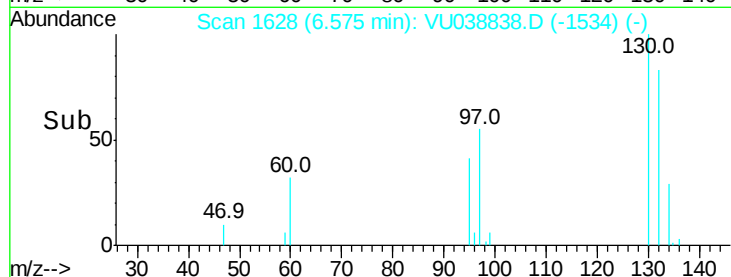
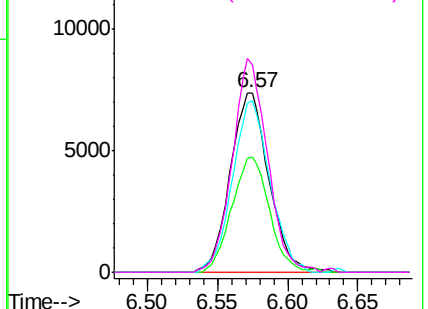


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.540 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. 0.00 min

Lab File: VU038838.D

Acq: 12 Jun 2020 09:10

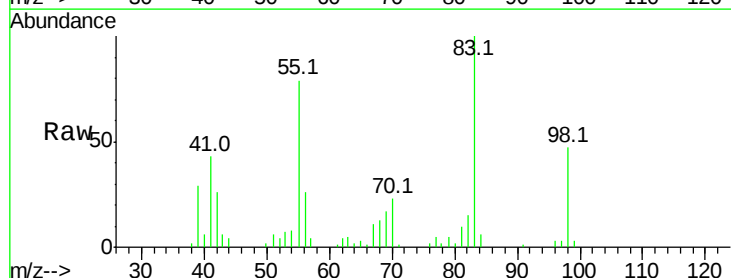
Tgt Ion: 83 Resp: 21313

Ion Ratio Lower Upper

83 100

55 77.1 64.2 96.2

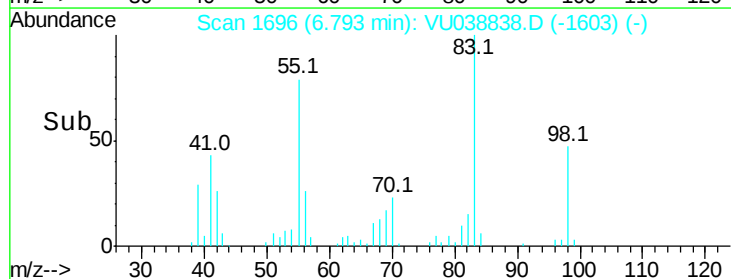
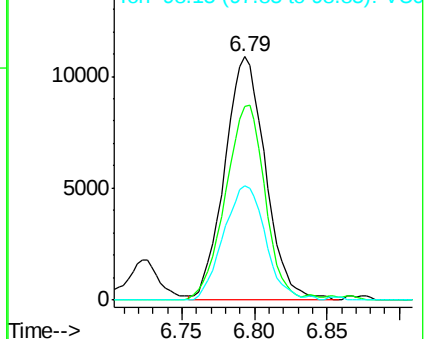
98 48.3 40.5 60.7

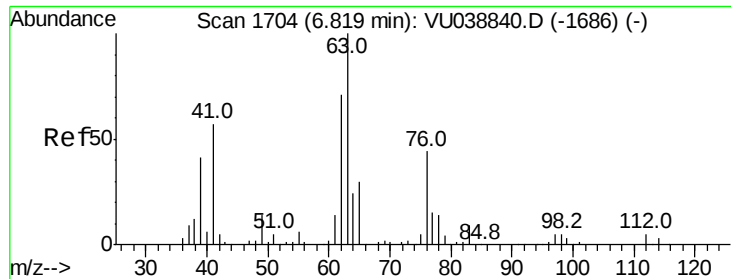


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

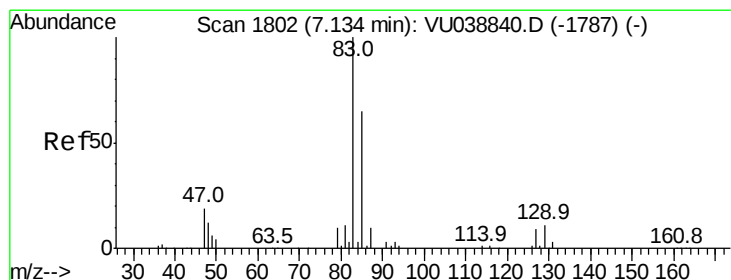
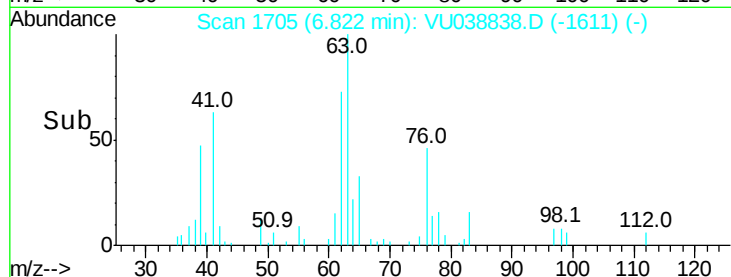
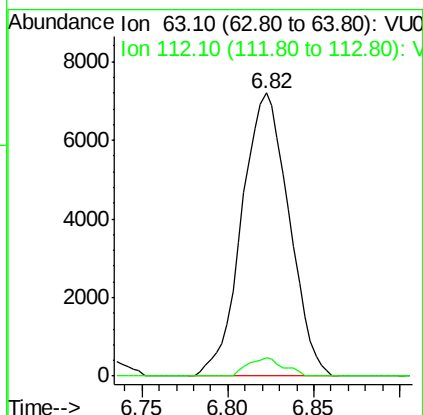
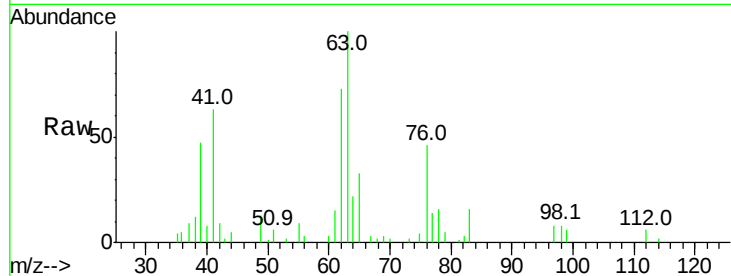




#37
 1,2-Dichloropropane
 Concen: 0.554 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU038838.D
 Acq: 12 Jun 2020 09:10

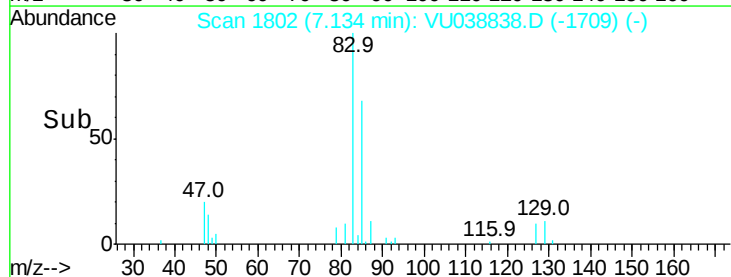
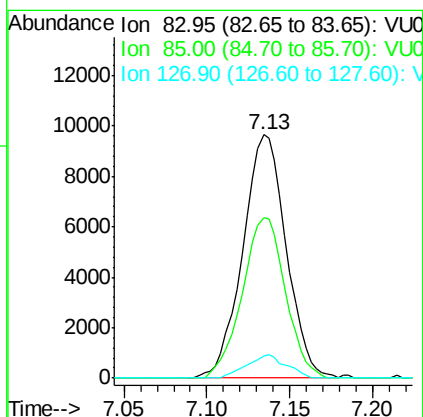
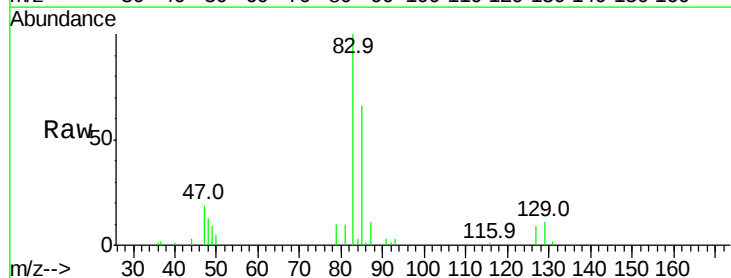
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

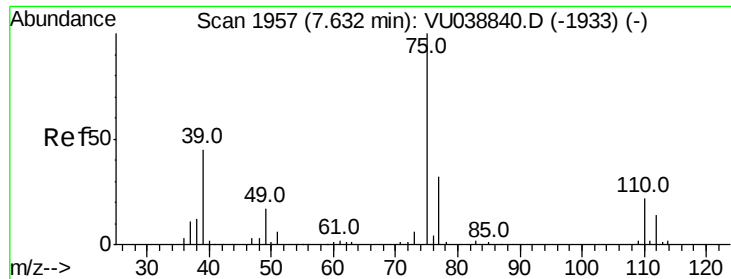
Tgt Ion: 63 Resp: 13708
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.8 5.6



#38
 Bromodichloromethane
 Concen: 0.570 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VU038838.D
 Acq: 12 Jun 2020 09:10

Tgt Ion: 83 Resp: 17504
 Ion Ratio Lower Upper
 83 100
 85 65.8 45.3 84.1
 127 9.2 7.1 10.7



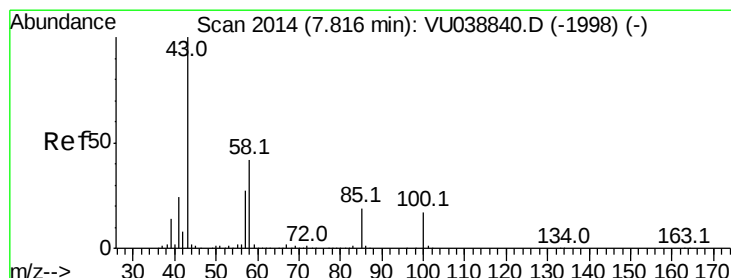
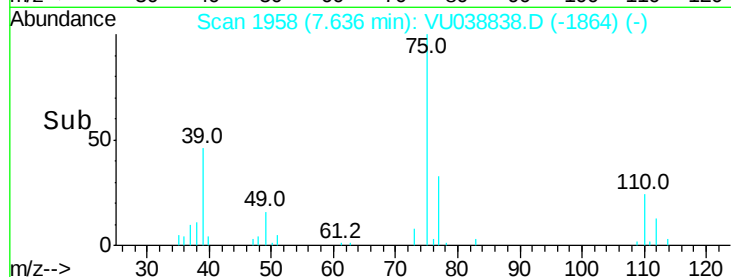
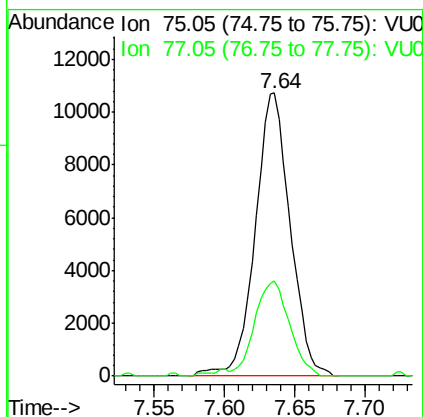
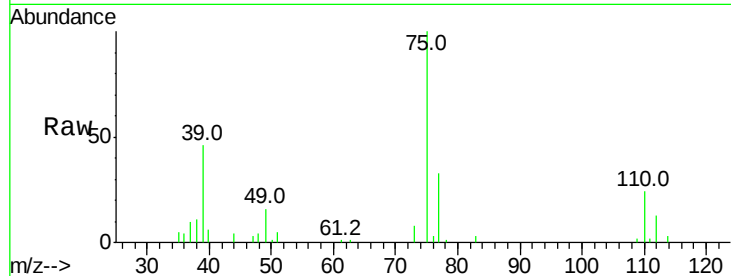


#39

cis-1,3-Dichloropropene
 Concen: 0.509 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU038838.D
 Acq: 12 Jun 2020 09:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

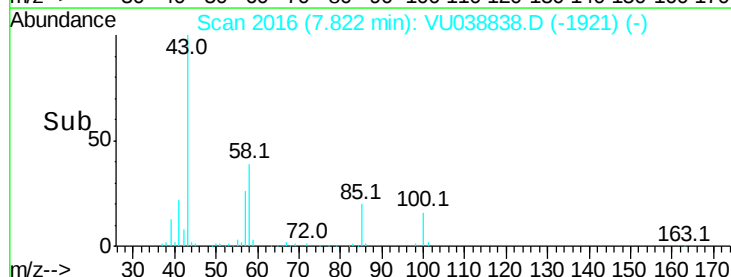
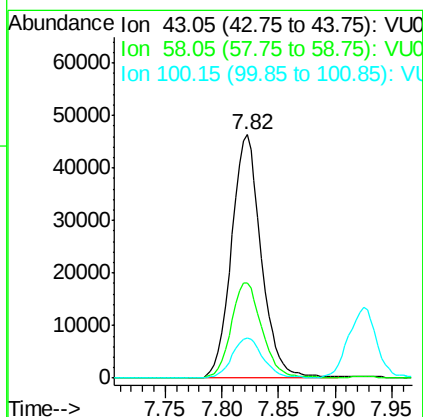
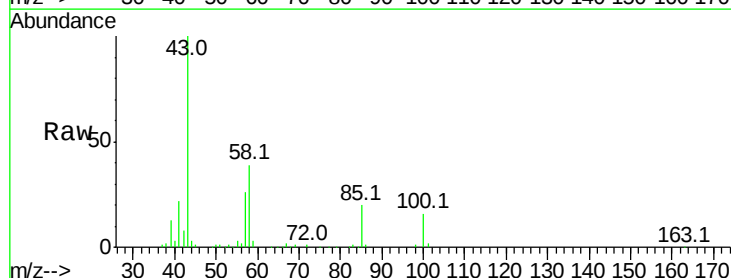
Tgt Ion: 75 Resp: 18606
 Ion Ratio Lower Upper
 75 100
 77 33.4 22.4 41.6

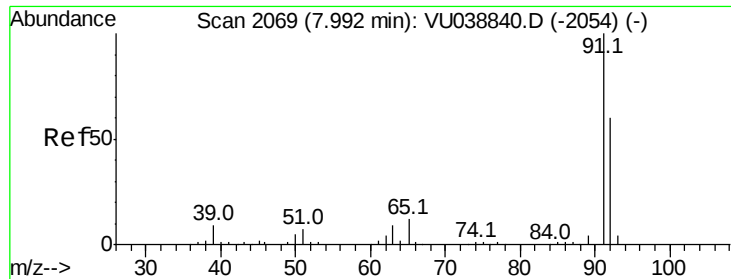


#40

4-Methyl-2-pentanone
 Concen: 4.802 ug/L
 RT: 7.82 min Scan# 2016
 Delta R.T. 0.01 min
 Lab File: VU038838.D
 Acq: 12 Jun 2020 09:10

Tgt Ion: 43 Resp: 84928
 Ion Ratio Lower Upper
 43 100
 58 40.3 33.4 50.0
 100 17.2 13.5 20.3





#42

Toluene

Concen: 0.528 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU038838.D

Acq: 12 Jun 2020 09:10

Instrument :

MSVOA_U

ClientSampleId :

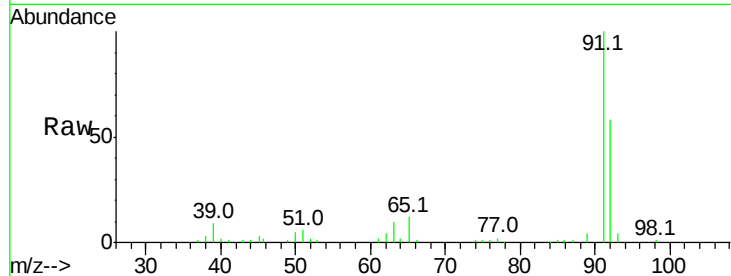
VSTD0.502

Tgt Ion: 91 Resp: 54378

Ion Ratio Lower Upper

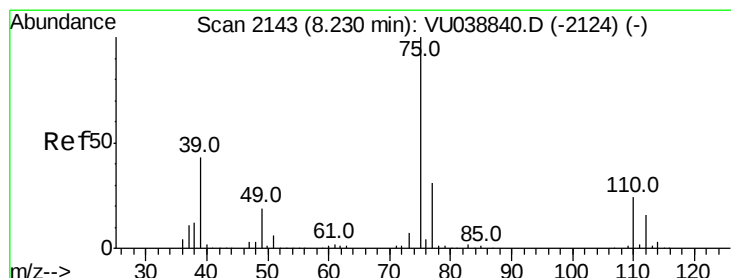
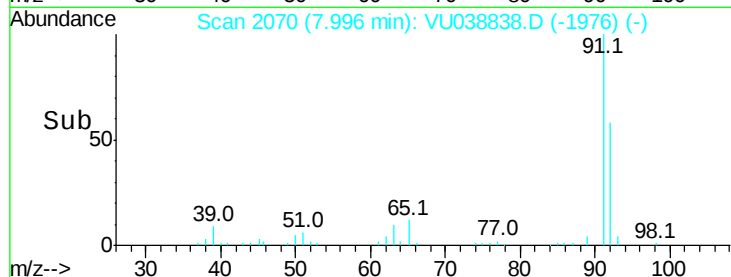
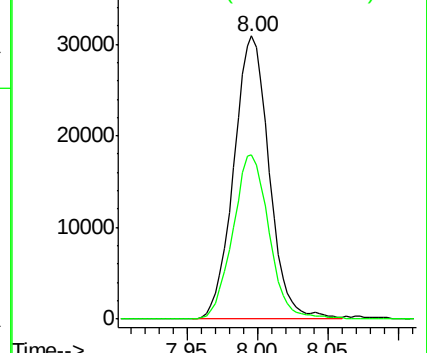
91 100

92 58.0 42.4 78.6



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.518 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. 0.01 min

Lab File: VU038838.D

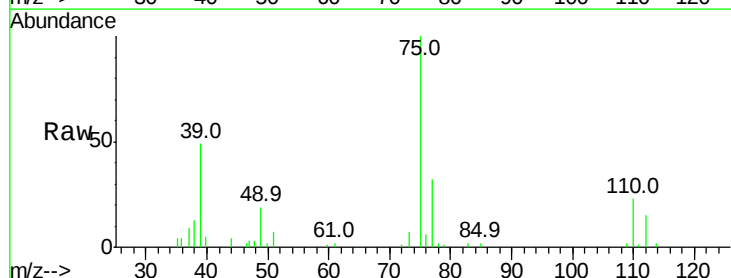
Acq: 12 Jun 2020 09:10

Tgt Ion: 75 Resp: 16725

Ion Ratio Lower Upper

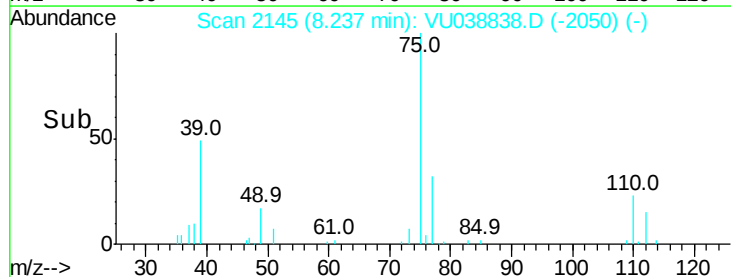
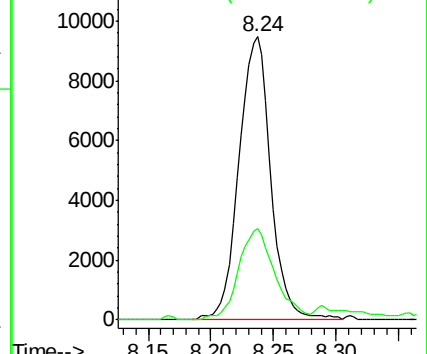
75 100

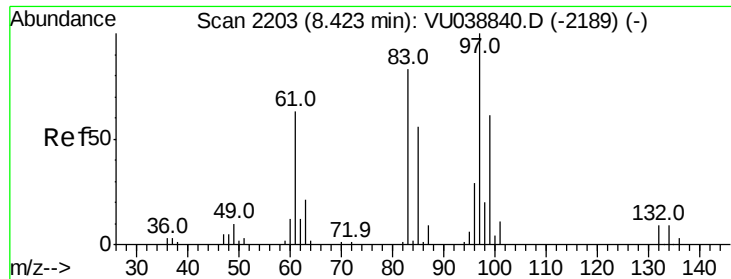
77 32.3 21.9 40.7



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

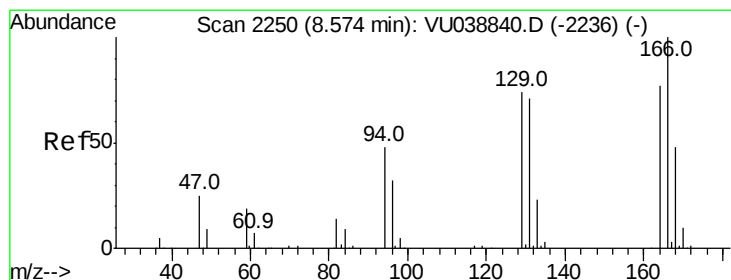
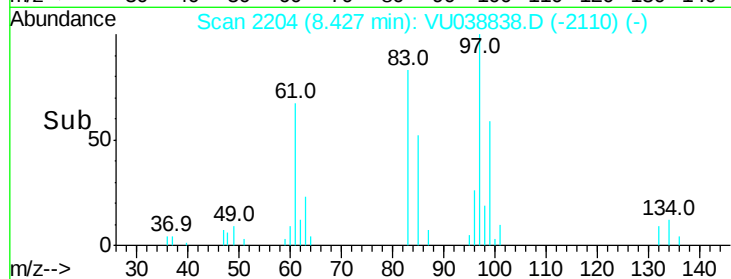
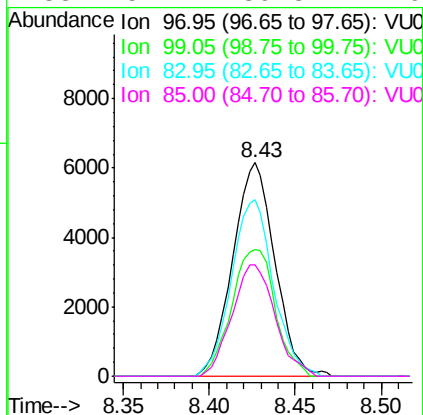
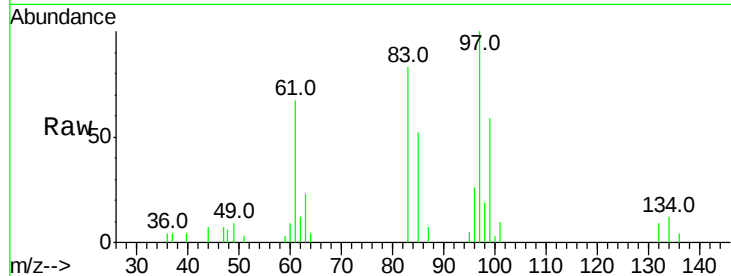




#45
 1,1,2-Trichloroethane
 Concen: 0.561 ug/L
 RT: 8.43 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VU038838.D
 Acq: 12 Jun 2020 09:10

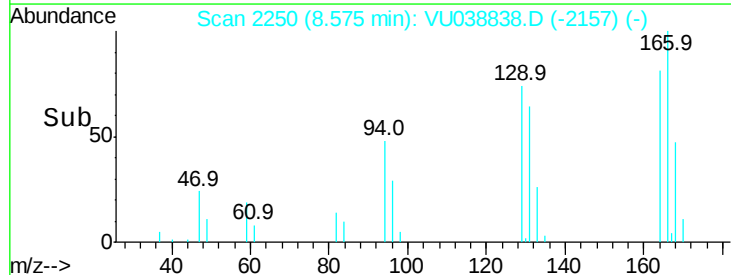
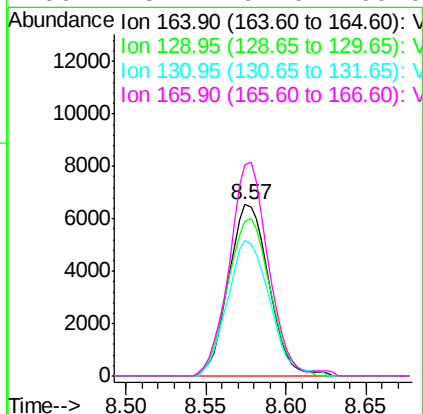
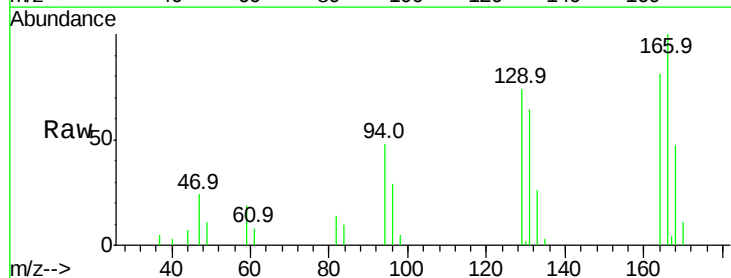
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

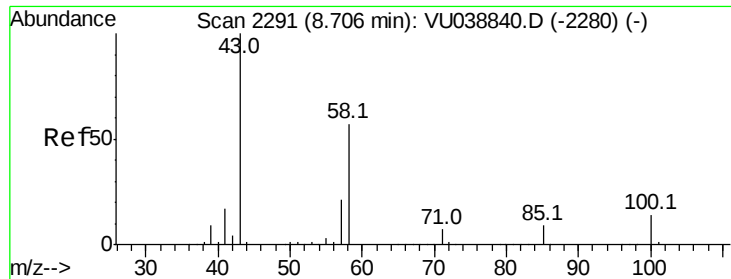
Tgt Ion:	97	Resp:	10471
Ion	Ratio	Lower	Upper
97	100		
99	59.5	42.9	79.7
83	82.8	58.0	107.8
85	52.4	39.3	72.9



#47
 Tetrachloroethene
 Concen: 0.608 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: VU038838.D
 Acq: 12 Jun 2020 09:10

Tgt Ion:	164	Resp:	11263
Ion	Ratio	Lower	Upper
164	100		
129	90.6	67.3	124.9
131	79.3	65.0	120.6
166	123.2	91.0	169.0

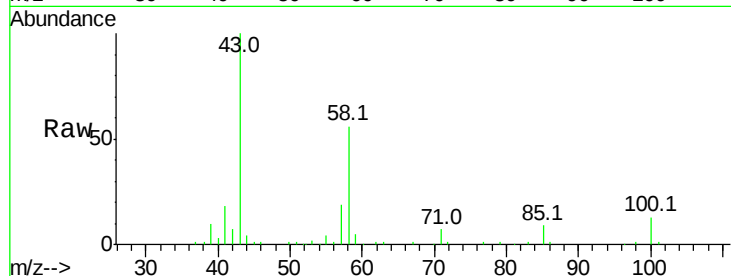




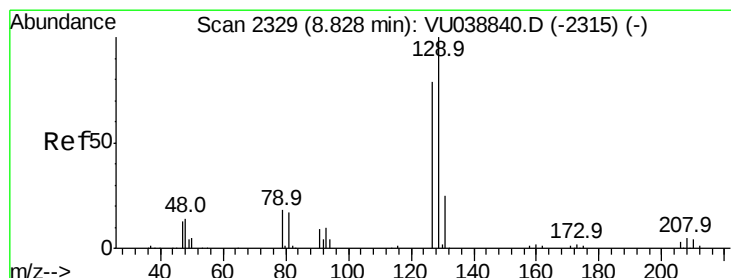
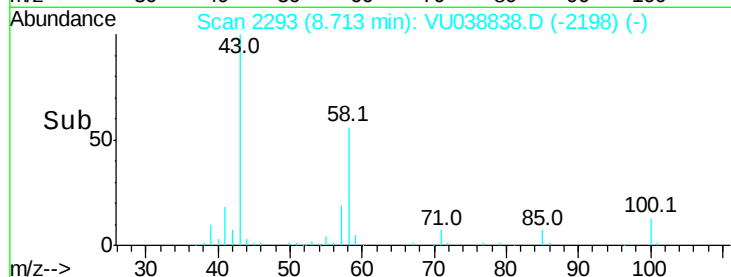
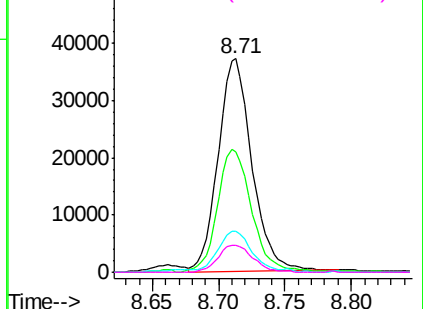
#48
2-Hexanone
Concen: 4.896 ug/L
RT: 8.71 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VU038838.D
Acq: 12 Jun 2020 09:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

Tgt Ion: 43 Resp: 65570
Ion Ratio Lower Upper
43 100
58 58.7 44.8 67.2
57 19.4 16.2 24.2
100 13.2 10.6 16.0

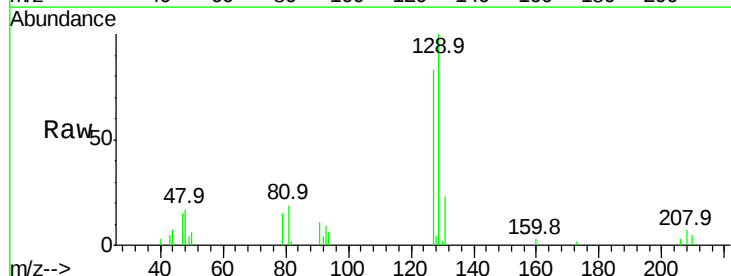


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

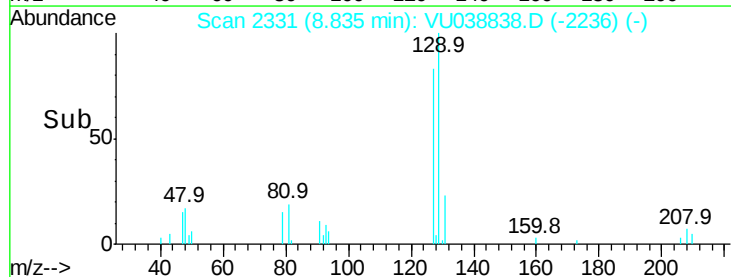
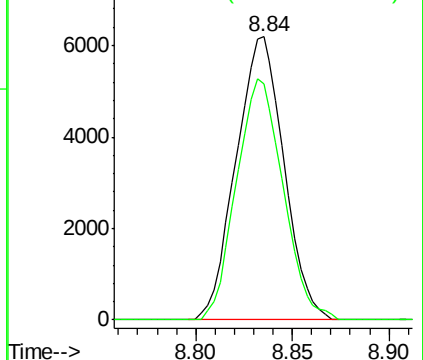


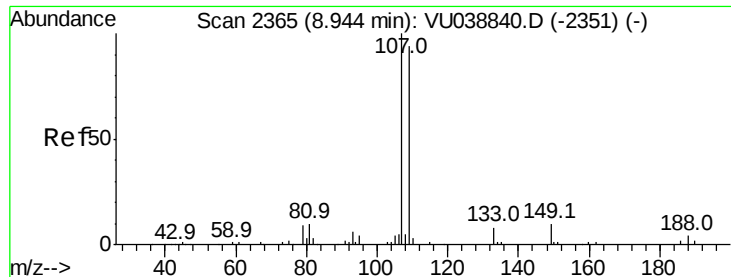
#49
Dibromochloromethane
Concen: 0.529 ug/L
RT: 8.84 min Scan# 2331
Delta R.T. 0.01 min
Lab File: VU038838.D
Acq: 12 Jun 2020 09:10

Tgt Ion: 129 Resp: 10655
Ion Ratio Lower Upper
129 100
127 83.2 55.5 103.1



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

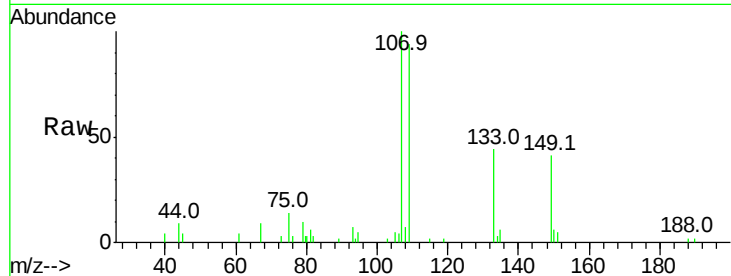




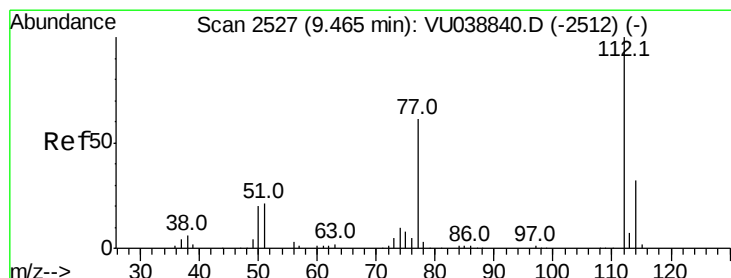
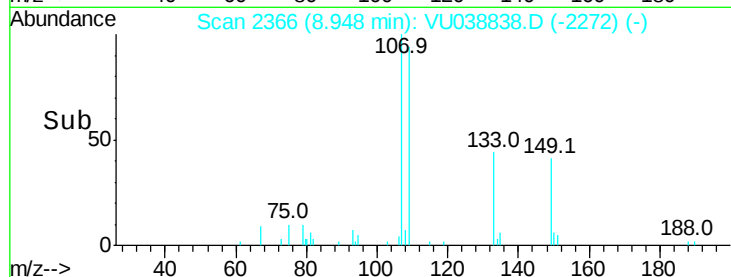
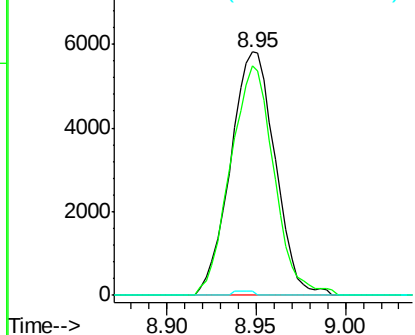
#50
1,2-Dibromoethane
Concen: 0.566 ug/L
RT: 8.95 min Scan# 2366
Delta R.T. 0.00 min
Lab File: VU038838.D
Acq: 12 Jun 2020 09:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

Tgt Ion:107 Resp: 10119
Ion Ratio Lower Upper
107 100
109 94.1 65.5 121.7
188 1.8 3.0 4.6#

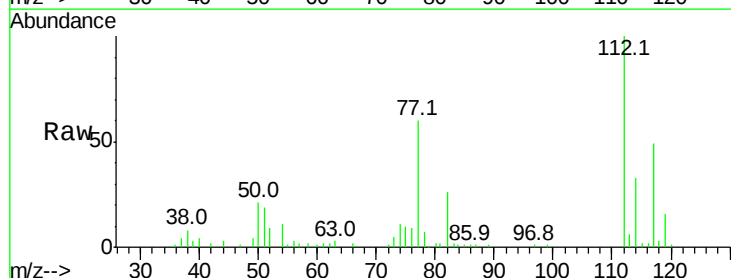


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

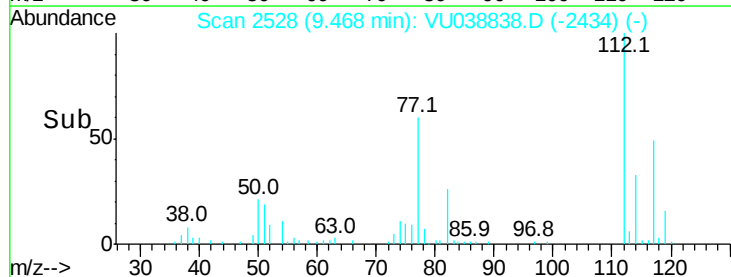
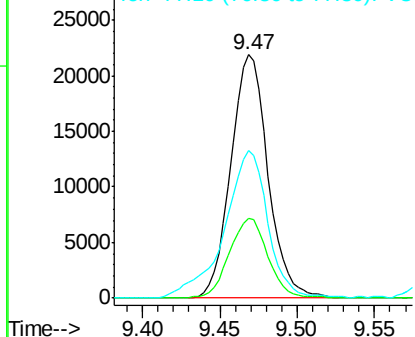


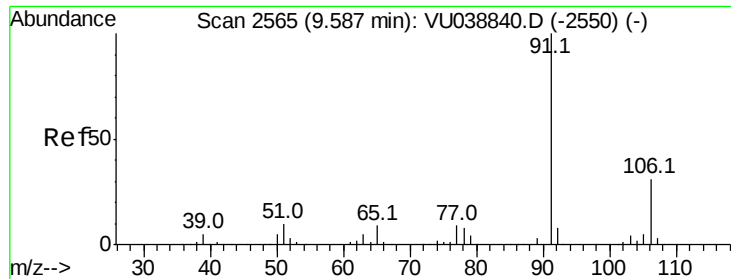
#51
Chlorobenzene
Concen: 0.548 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. 0.00 min
Lab File: VU038838.D
Acq: 12 Jun 2020 09:10

Tgt Ion:112 Resp: 36454
Ion Ratio Lower Upper
112 100
114 32.9 22.5 41.9
77 60.5 49.3 73.9



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: 0.525 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU038838.D

Acq: 12 Jun 2020 09:10

Instrument :

MSVOA_U

ClientSampleId :

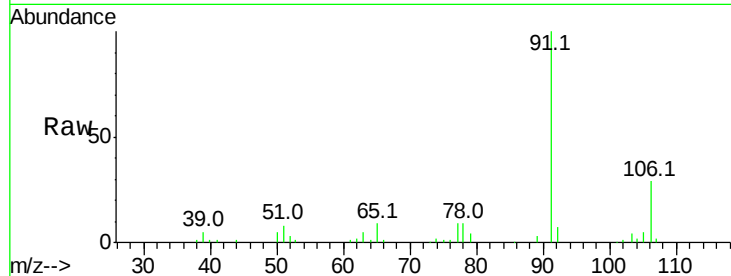
VSTD0.502

Tgt Ion: 91 Resp: 60174

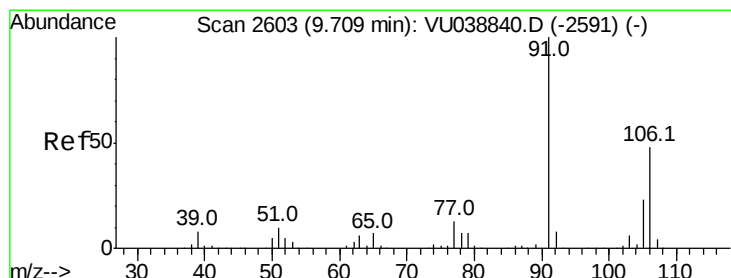
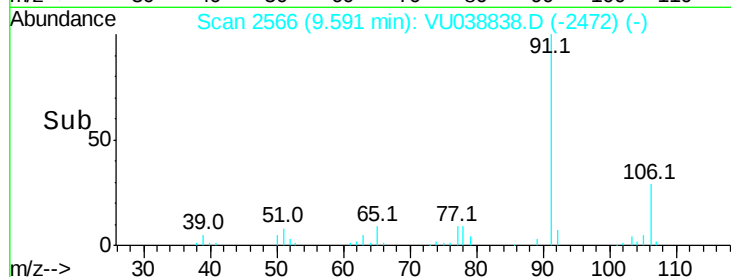
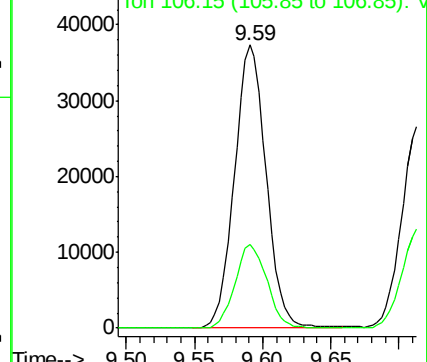
Ion Ratio Lower Upper

91 100

106 29.4 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VU038840.D (-2550) (-)



#53

m,p-Xylene

Concen: 0.482 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU038838.D

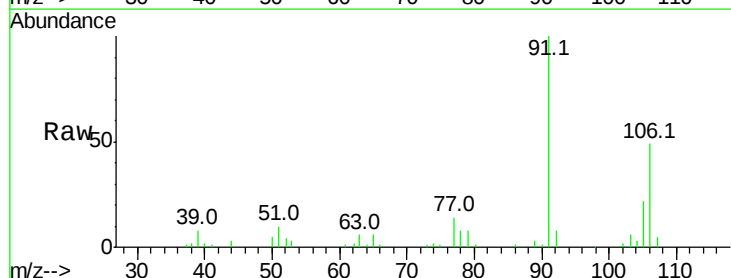
Acq: 12 Jun 2020 09:10

Tgt Ion: 106 Resp: 21271

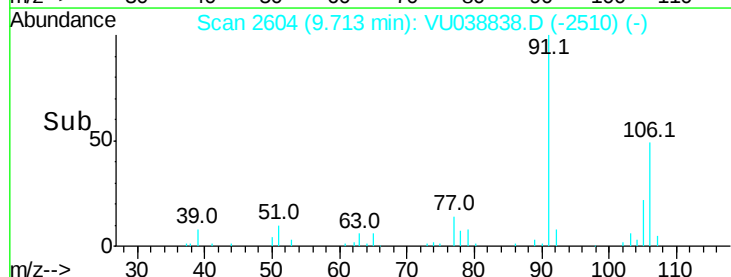
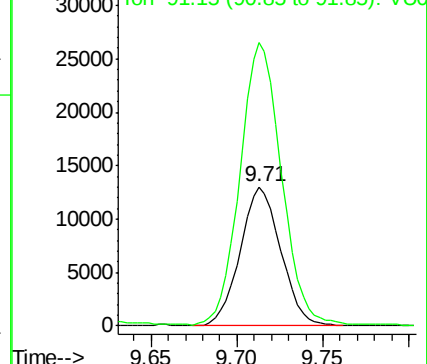
Ion Ratio Lower Upper

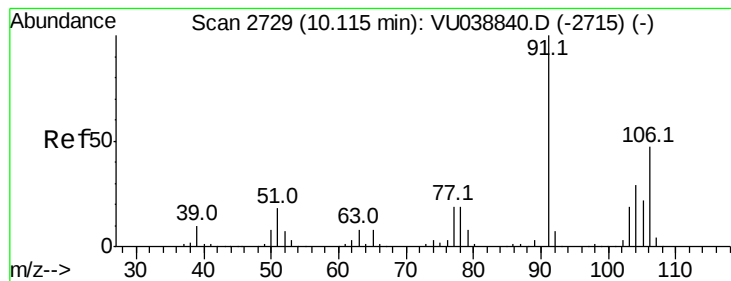
106 100

91 203.9 145.0 269.4



Abundance Ion 106.15 (105.85 to 106.85): VU038840.D (-2591) (-)





#54

o-Xylene

Concen: 0.473 ug/L

RT: 10.12 min Scan# 2731

Delta R.T. 0.01 min

Lab File: VU038838.D

Acq: 12 Jun 2020 09:10

Instrument :

MSVOA_U

ClientSampleId :

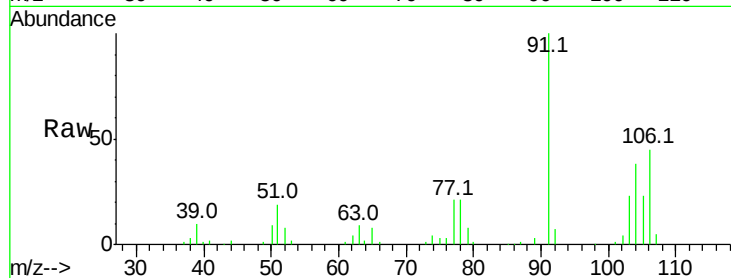
VSTD0.502

Tgt Ion:106 Resp: 20016

Ion Ratio Lower Upper

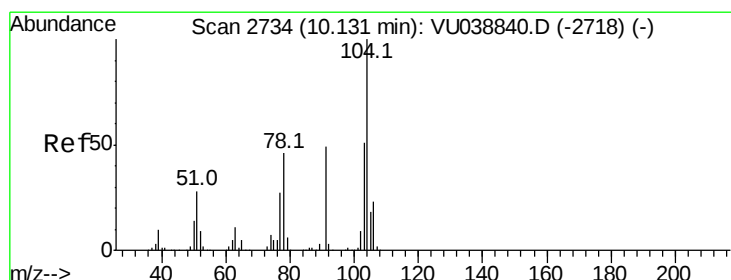
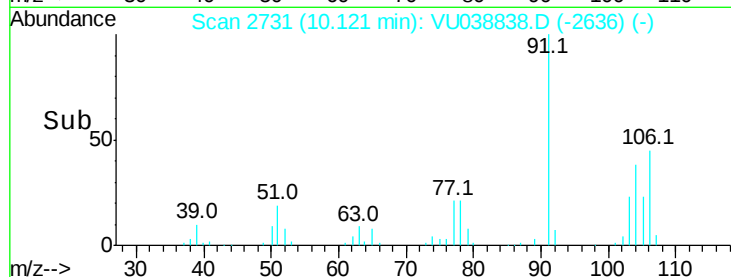
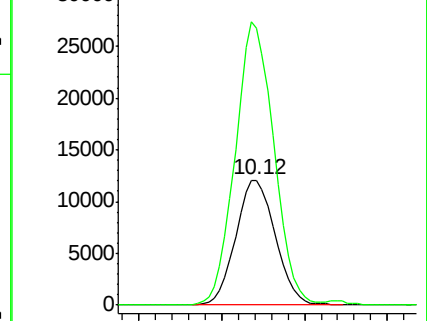
106 100

91 221.7 149.1 276.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 0.463 ug/L

RT: 10.13 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VU038838.D

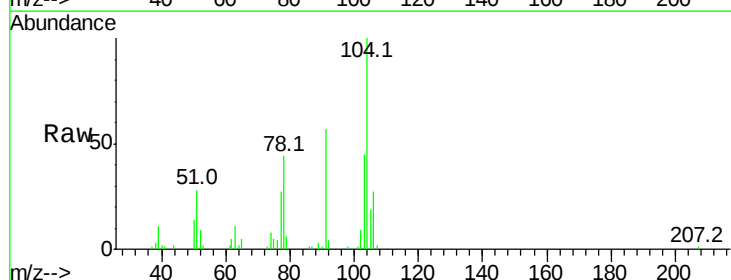
Acq: 12 Jun 2020 09:10

Tgt Ion:104 Resp: 33290

Ion Ratio Lower Upper

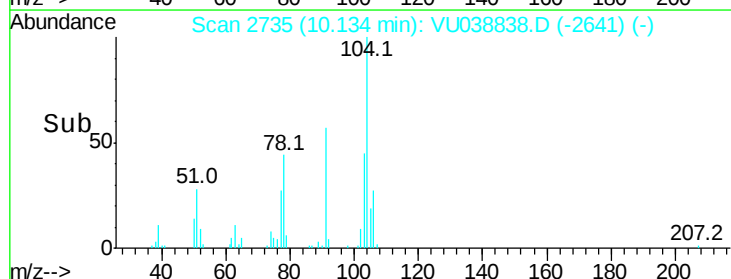
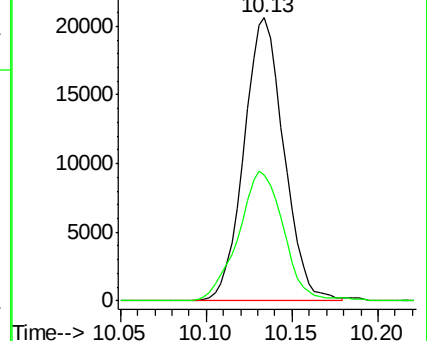
104 100

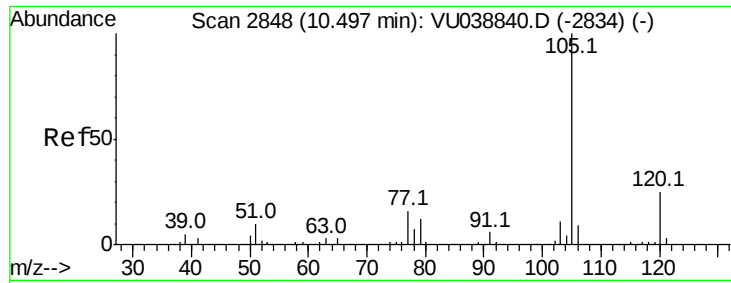
78 44.5 32.1 59.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 0.486 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. 0.01 min

Lab File: VU038838.D

Acq: 12 Jun 2020 09:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

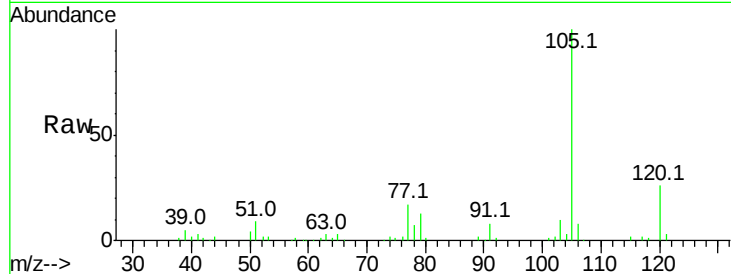
Tgt Ion:105 Resp: 54202

Ion Ratio Lower Upper

105 100

120 25.3 20.6 30.8

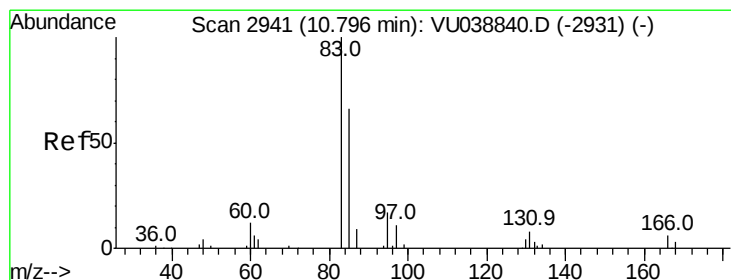
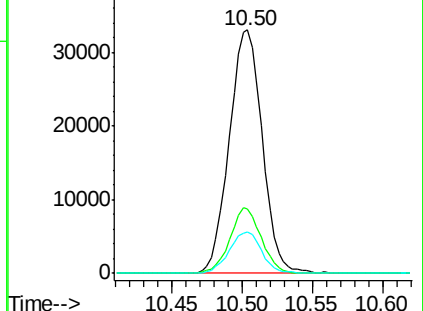
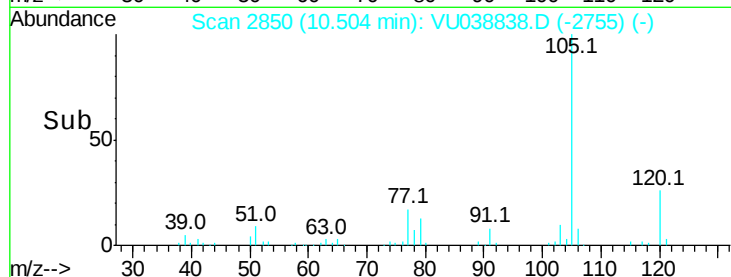
77 16.7 12.8 19.2



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: 0.555 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU038838.D

Acq: 12 Jun 2020 09:10

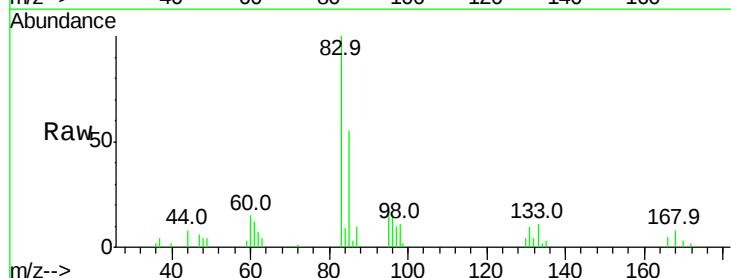
Tgt Ion: 83 Resp: 13153

Ion Ratio Lower Upper

83 100

85 55.2 46.5 86.3

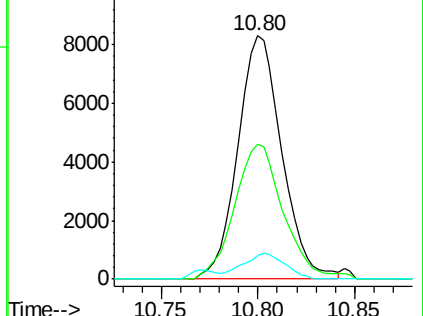
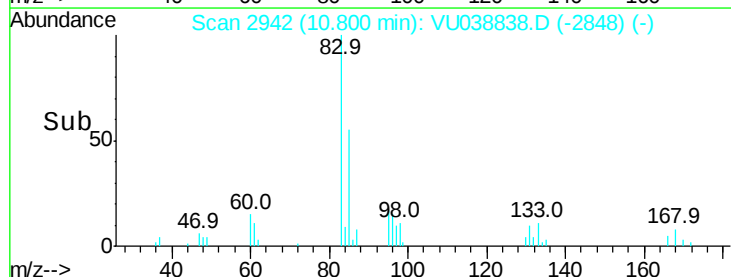
131 9.7 7.2 10.8

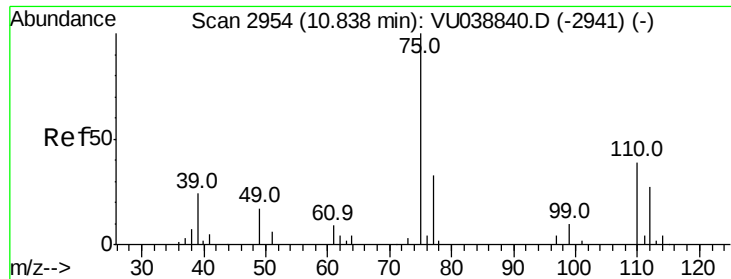


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

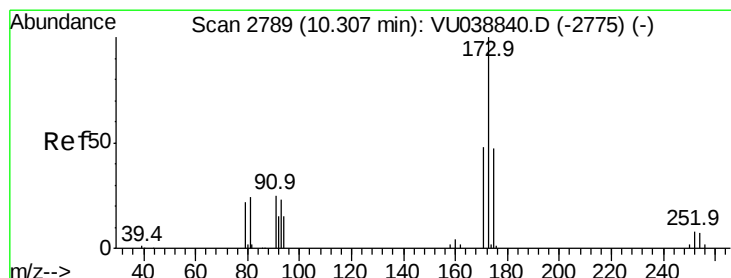
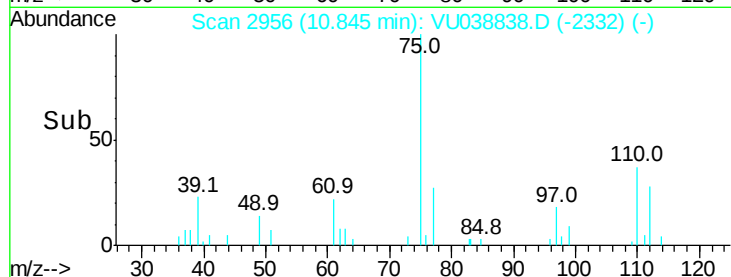
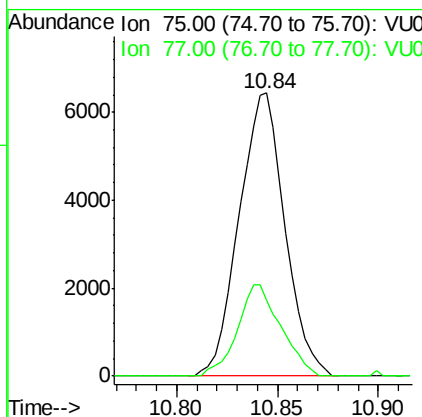
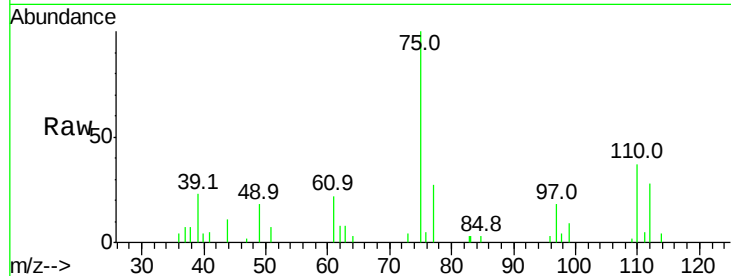




#59
 1,2,3-Trichloropropane
 Concen: 0.554 ug/L
 RT: 10.84 min Scan# 2956
 Delta R.T. 0.01 min
 Lab File: VU038838.D
 Acq: 12 Jun 2020 09:10

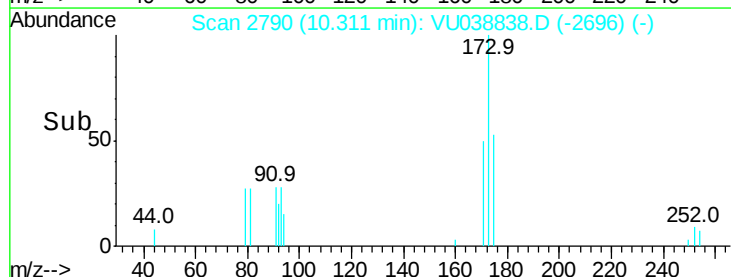
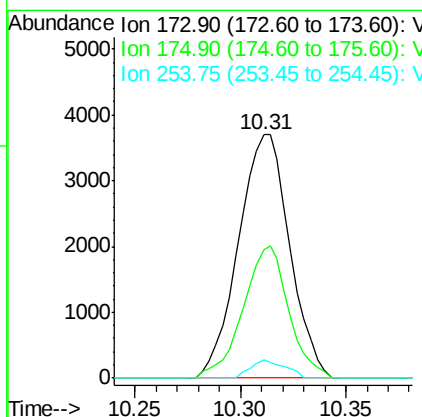
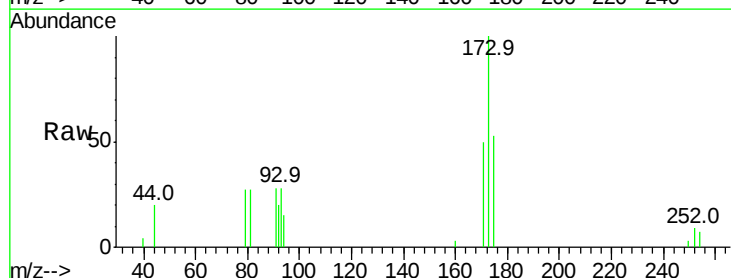
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

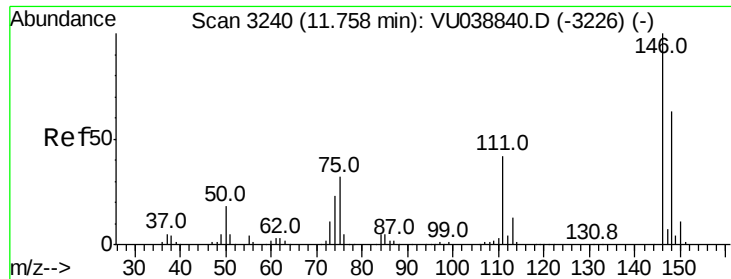
Tgt Ion: 75 Resp: 10222
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.8 38.8



#61
 Bromoform
 Concen: 0.582 ug/L
 RT: 10.31 min Scan# 2790
 Delta R.T. 0.00 min
 Lab File: VU038838.D
 Acq: 12 Jun 2020 09:10

Tgt Ion: 173 Resp: 6229
 Ion Ratio Lower Upper
 173 100
 175 48.2 38.3 57.5
 254 5.1 6.0 9.0#

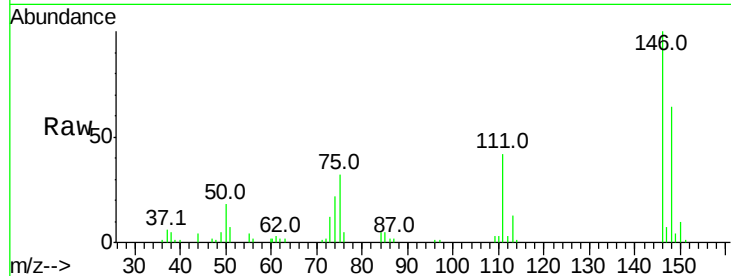




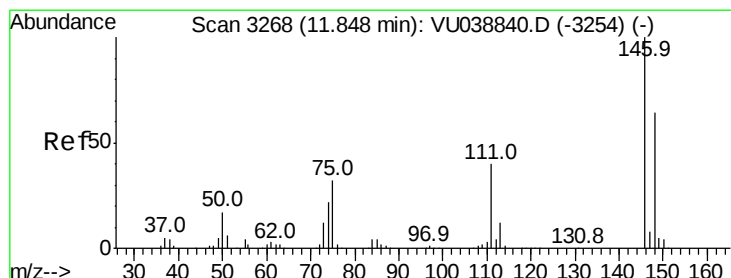
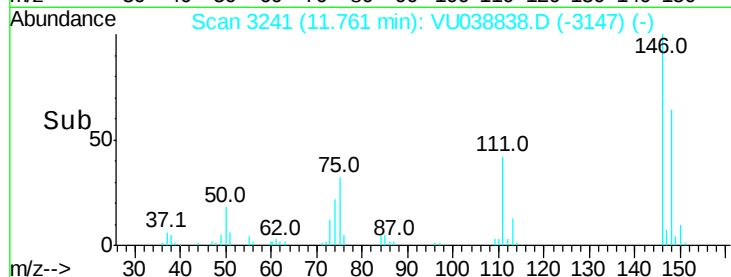
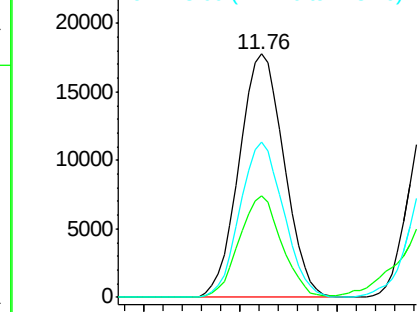
#62
 1,3-Dichlorobenzene
 Concen: 0.569 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. 0.00 min
 Lab File: VU038838.D
 Acq: 12 Jun 2020 09:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

Tgt Ion:146 Resp: 28718
 Ion Ratio Lower Upper
 146 100
 111 41.9 29.5 54.9
 148 63.8 43.8 81.3

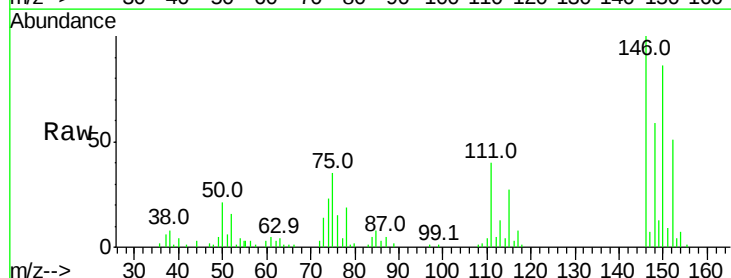


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

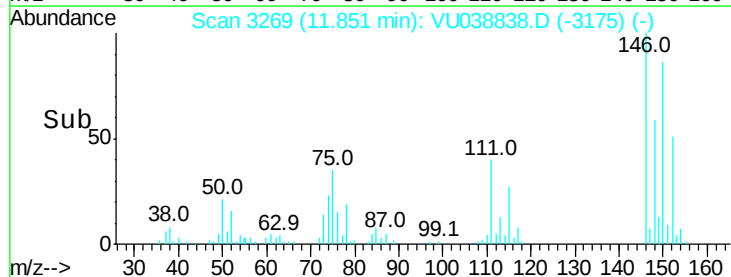
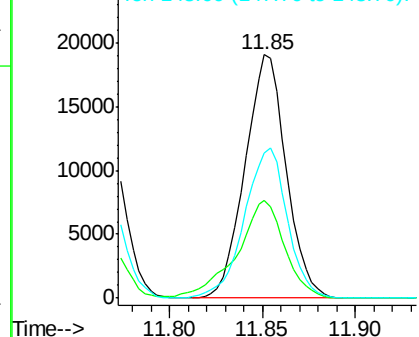


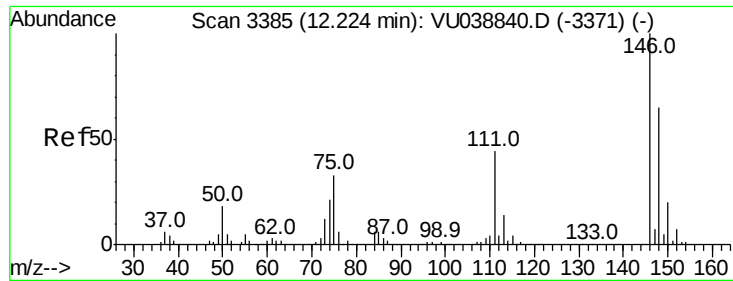
#63
 1,4-Dichlorobenzene
 Concen: 0.575 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU038838.D
 Acq: 12 Jun 2020 09:10

Tgt Ion:146 Resp: 29408
 Ion Ratio Lower Upper
 146 100
 111 39.9 27.9 51.9
 148 59.4 44.6 82.8



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.556 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU038838.D

Acq: 12 Jun 2020 09:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

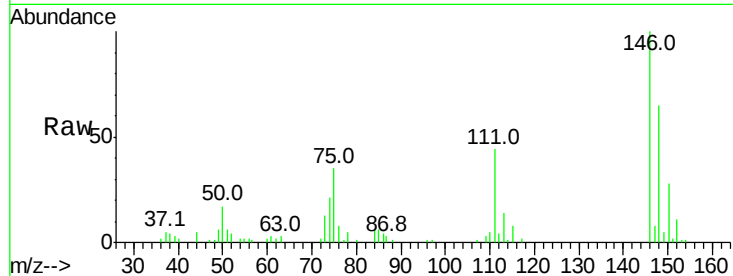
Tgt Ion:146 Resp: 26636

Ion Ratio Lower Upper

146 100

111 44.2 35.6 53.4

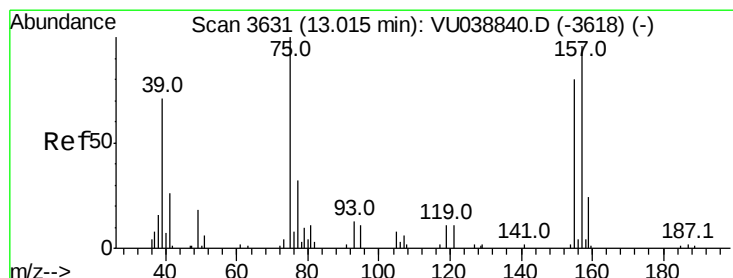
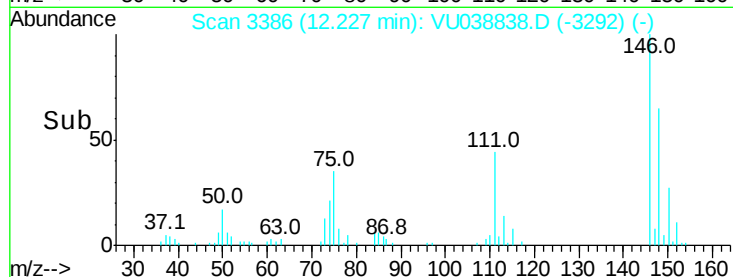
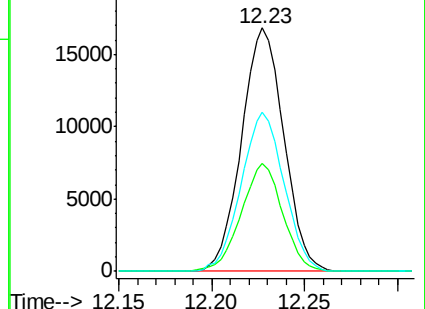
148 65.3 51.8 77.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 0.540 ug/L

RT: 13.02 min Scan# 3634

Delta R.T. 0.01 min

Lab File: VU038838.D

Acq: 12 Jun 2020 09:10

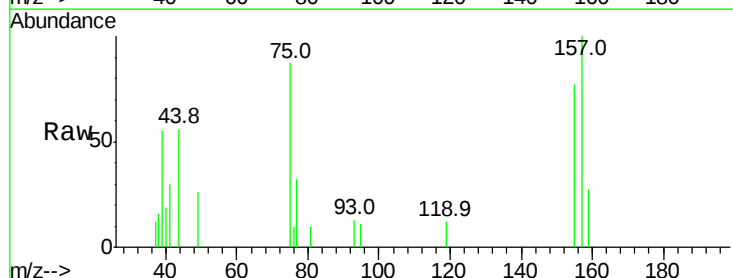
Tgt Ion: 75 Resp: 2094

Ion Ratio Lower Upper

75 100

155 89.4 63.7 95.5

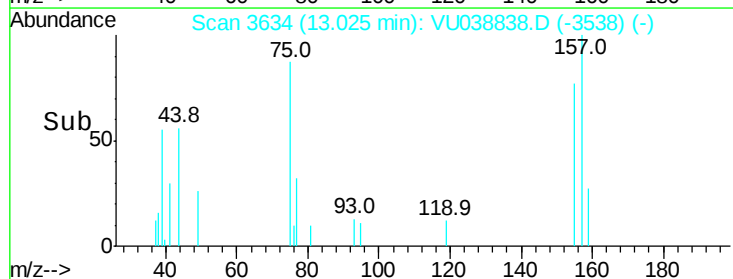
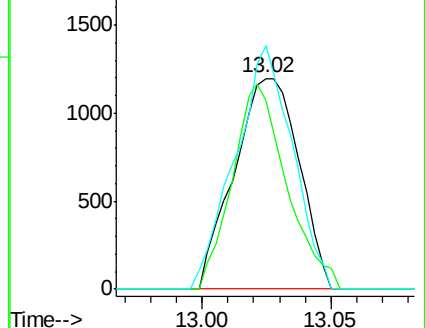
157 115.5 77.1 115.7

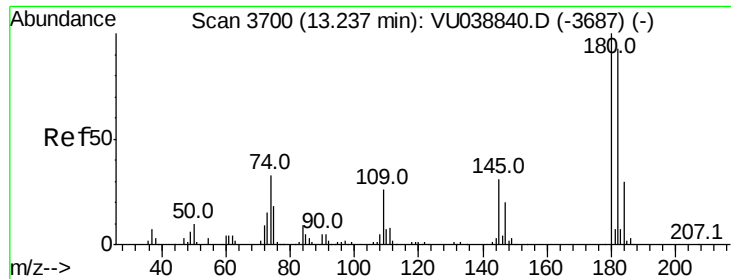


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

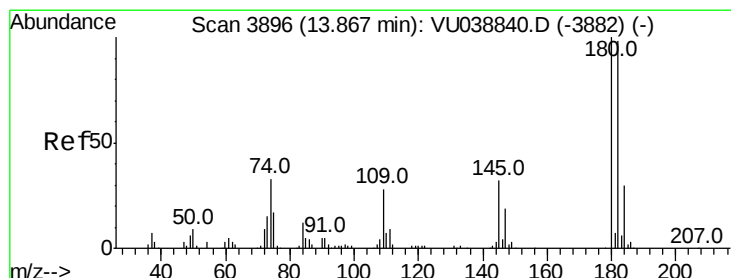
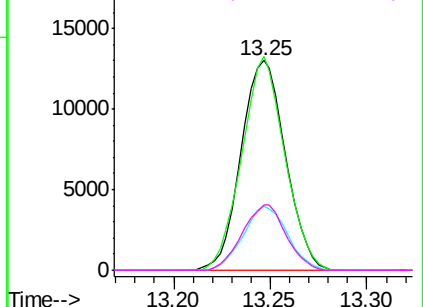
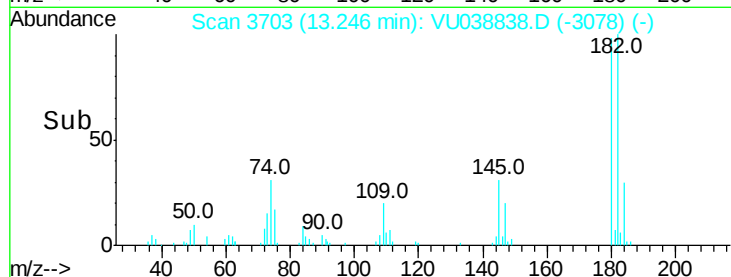
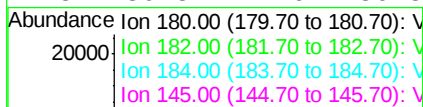
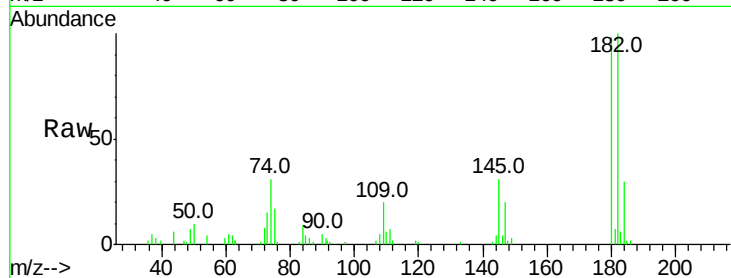




#67
 1,3,5-Trichlorobenzene
 Concen: 0.551 ug/L
 RT: 13.25 min Scan# 3703
 Delta R.T. 0.01 min
 Lab File: VU038838.D
 Acq: 12 Jun 2020 09:10

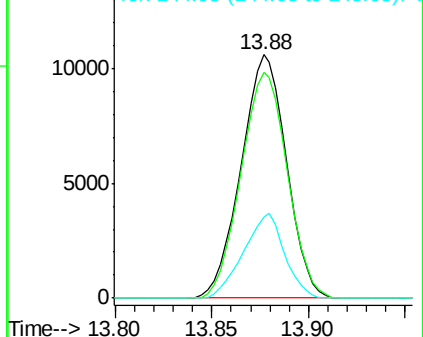
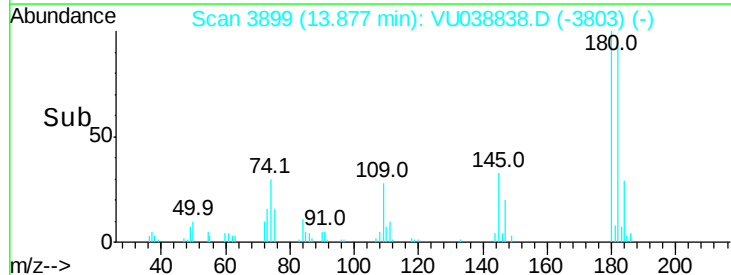
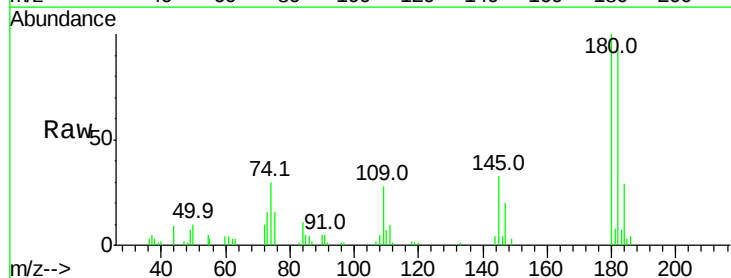
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.502

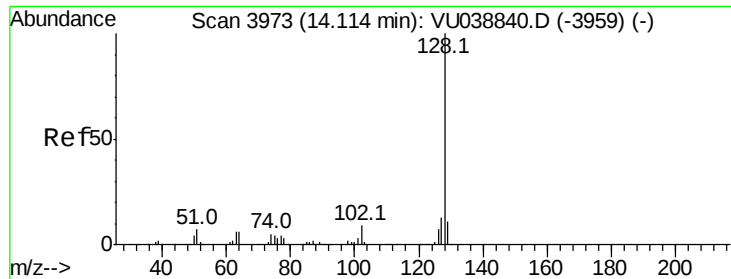
Tgt Ion:	180	Resp:	20755
Ion	Ratio	Lower	Upper
180	100		
182	98.7	75.0	112.4
184	30.3	23.7	35.5
145	30.8	24.6	36.8



#68
 1,2,4-trichlorobenzene
 Concen: 0.496 ug/L
 RT: 13.88 min Scan# 3899
 Delta R.T. 0.01 min
 Lab File: VU038838.D
 Acq: 12 Jun 2020 09:10

Tgt Ion:	180	Resp:	17280
Ion	Ratio	Lower	Upper
180	100		
182	94.6	78.5	117.7
145	31.4	25.0	37.4





#69

Naphthalene

Concen: 0.438 ug/L

RT: 14.12 min Scan# 3976

Delta R.T. 0.01 min

Lab File: VU038838.D

Acq: 12 Jun 2020 09:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.502

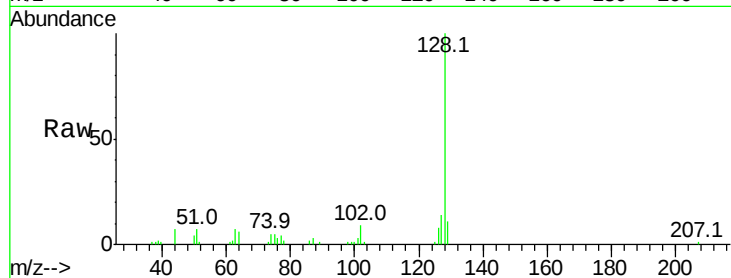
Tgt Ion:128 Resp: 30341

Ion Ratio Lower Upper

128 100

129 10.3 8.9 13.3

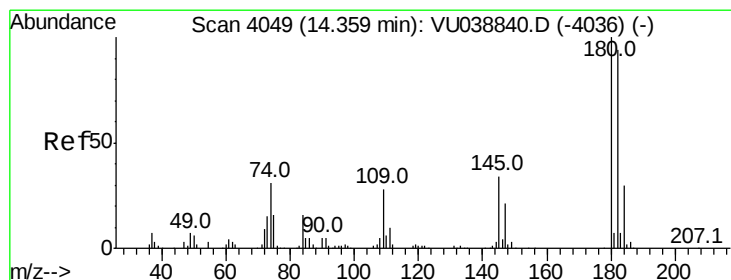
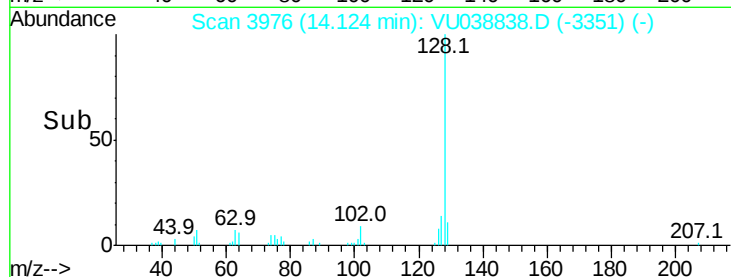
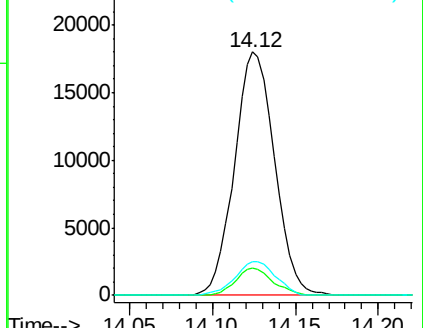
127 13.8 10.5 15.7



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: 0.487 ug/L

RT: 14.37 min Scan# 4054

Delta R.T. 0.02 min

Lab File: VU038838.D

Acq: 12 Jun 2020 09:10

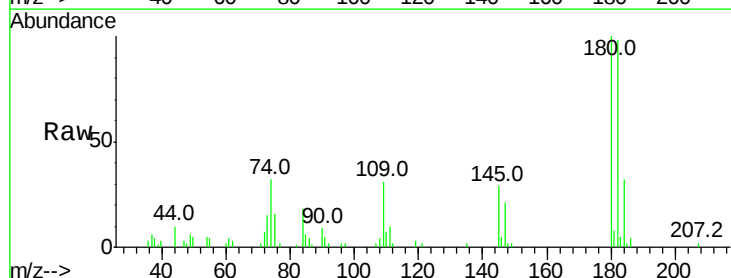
Tgt Ion:180 Resp: 15433

Ion Ratio Lower Upper

180 100

182 94.0 76.1 114.1

145 32.0 27.8 41.6



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

