

Data File : VU038841.D
Acq On : 12 Jun 2020 10:19
Operator : SY/MD
Sample : VSTD010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD01005

Quant Time: Jun 12 10:56:10 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	293828	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	293821	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	153571	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	155737	8.19	ug/L	0.00
7) Chloroethane-d5	1.93	69	127026	8.69	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	358175	9.57	ug/L	0.00
20) 2-Butanone-d5	4.68	46	515502	89.23	ug/L	0.00
24) Chloroform-d	5.10	84	352633	9.87	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	195414	9.64	ug/L	0.00
32) Benzene-d6	5.76	84	696002	9.49	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	208374	9.24	ug/L	0.00
41) Toluene-d8	7.92	98	646702	9.83	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	96301	9.93	ug/L	0.00
46) 2-Hexanone-d5	8.65	63	438551	91.55	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	178377	9.32	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	246726	9.32	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	275102	11.879 ug/L	100
3) Chloromethane	1.53	50	225007	10.580 ug/L	99
5) Vinyl chloride	1.62	62	241226	10.586 ug/L	100
6) Bromomethane	1.87	94	140967	12.743 ug/L	98
8) Chloroethane	1.95	64	142788	10.458 ug/L	99
9) Trichlorofluoromethane	2.16	101	357316	11.821 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	203229	11.415 ug/L	98
12) 1,1-Dichloroethene	2.60	96	197923	10.938 ug/L	94
13) Acetone	2.68	43	393800	104.162 ug/L	98
14) Carbon disulfide	2.82	76	671208	10.932 ug/L	98
15) Methyl Acetate	2.99	43	95826	10.346 ug/L	99
16) Methylene chloride	3.08	84	218596	10.675 ug/L	98
17) Methyl tert-butyl Ether	3.40	73	528680	11.142 ug/L	100
18) trans-1,2-Dichloroethene	3.39	96	210937	10.816 ug/L	99
19) 1,1-Dichloroethane	3.91	63	383307	10.983 ug/L	100
21) 2-Butanone	4.75	43	676122	106.326 ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	225721	10.749 ug/L	99
23) Bromochloromethane	5.01	128	102940	10.893 ug/L	94
25) Chloroform	5.13	83	390829	11.024 ug/L	99
27) 1,2-Dichloroethane	5.83	62	277618	11.123 ug/L	96
29) 1,1,1-Trichloroethane	5.35	97	349763	11.250 ug/L	98
30) Cyclohexane	5.42	56	349444	10.719 ug/L	98
31) Carbon tetrachloride	5.56	117	297725	11.502 ug/L	100
33) Benzene	5.81	78	868142	10.596 ug/L	100
34) Trichloroethene	6.57	95	225678	10.612 ug/L	97
35) Methylcyclohexane	6.79	83	361828	10.990 ug/L	96
37) 1,2-Dichloropropane	6.82	63	217155	10.533 ug/L	100
38) Bromodichloromethane	7.13	83	283734	11.081 ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	338489	11.109 ug/L	97
40) 4-Methyl-2-pentanone	7.82	43	1519811	103.075 ug/L	99

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Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration

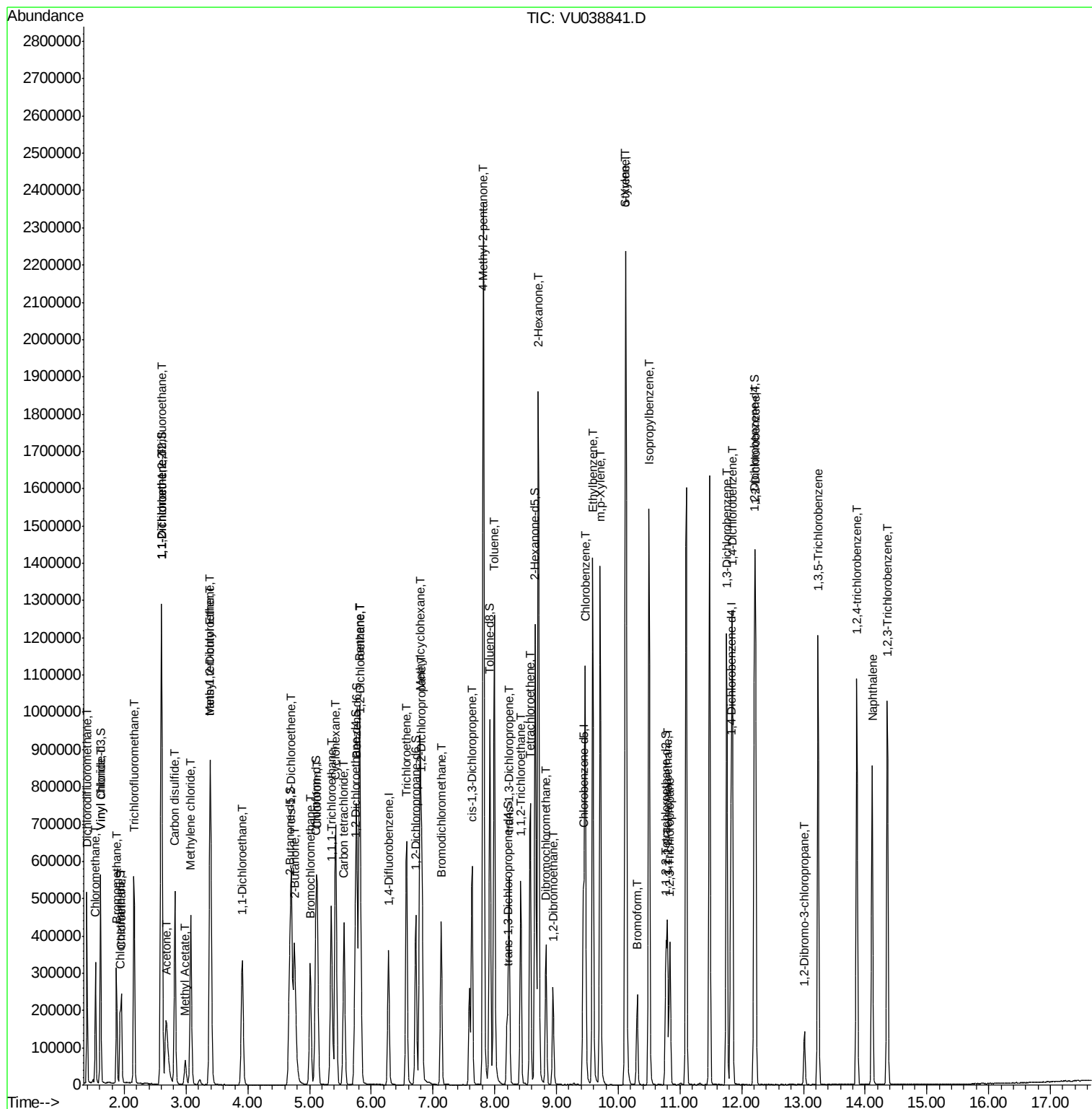
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	937436	10.908	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	299353	11.124	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	166137	10.681	ug/L	97
47) Tetrachloroethene	8.57	164	170104	11.010	ug/L	99
48) 2-Hexanone	8.71	43	1152063	103.172	ug/L	99
49) Dibromochloromethane	8.83	129	190893	11.370	ug/L	98
50) 1,2-Dibromoethane	8.94	107	163110	10.951	ug/L	99
51) Chlorobenzene	9.47	112	592422	10.689	ug/L	98
52) Ethylbenzene	9.59	91	1036183	10.837	ug/L	99
53) m,p-Xylene	9.71	106	403008	10.960	ug/L	98
54) o-Xylene	10.11	106	387091	10.966	ug/L	97
55) Styrene	10.13	104	688506	11.491	ug/L	97
56) Isopropylbenzene	10.50	105	1025171	11.034	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	205962	10.419	ug/L	98
59) 1,2,3-Trichloropropane	10.84	75	162034	10.529	ug/L	100
61) Bromoform	10.31	173	108344	11.325	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	480131	10.641	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	484033	10.579	ug/L	98
65) 1,2-Dichlorobenzene	12.22	146	455475	10.631	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	37208	10.726	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	355703	10.566	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	323389	10.379	ug/L	98
69) Naphthalene	14.11	128	654125	10.549	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	305344	10.770	ug/L	99

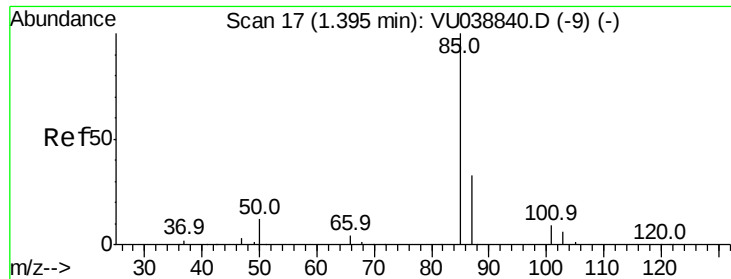
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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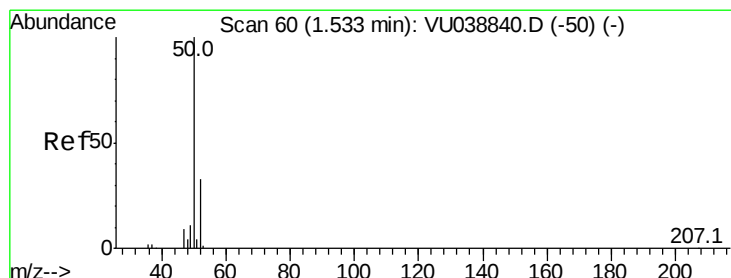
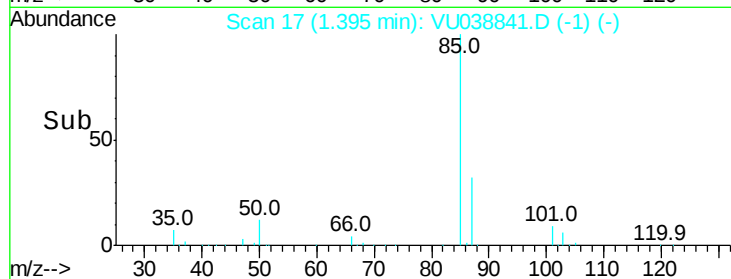
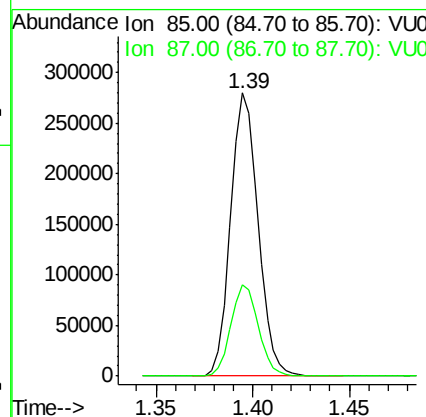
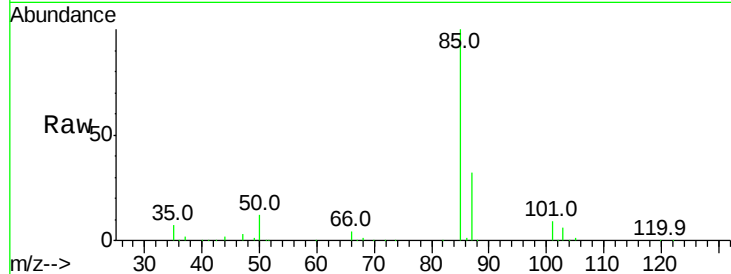




#2
 Dichlorodifluoromethane
 Concen: 11.879 ug/L
 RT: 1.39 min Scan# 17
 Delta R.T. 0.00 min
 Lab File: VU038841.D
 Acq: 12 Jun 2020 10:19

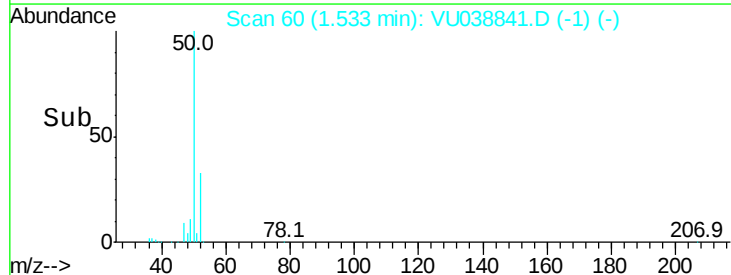
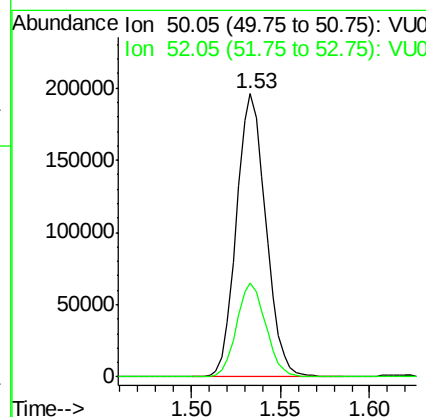
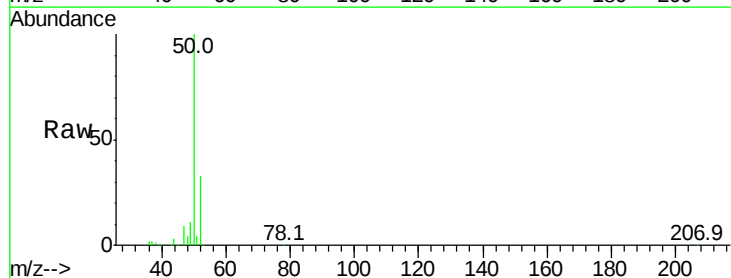
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

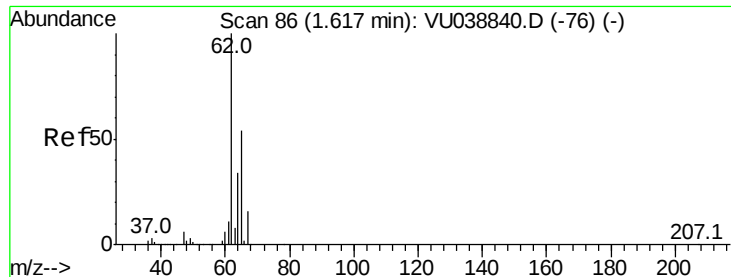
Tgt Ion: 85 Resp: 275102
 Ion Ratio Lower Upper
 85 100
 87 32.2 25.9 38.9



#3
 Chloromethane
 Concen: 10.580 ug/L
 RT: 1.53 min Scan# 60
 Delta R.T. 0.00 min
 Lab File: VU038841.D
 Acq: 12 Jun 2020 10:19

Tgt Ion: 50 Resp: 225007
 Ion Ratio Lower Upper
 50 100
 52 33.1 22.7 42.3





#5

Vinyl chloride

Concen: 10.586 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038841.D

Acq: 12 Jun 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

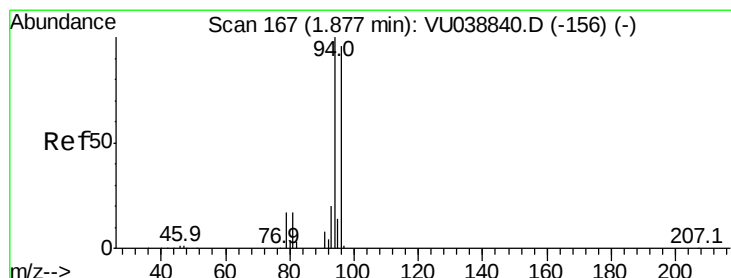
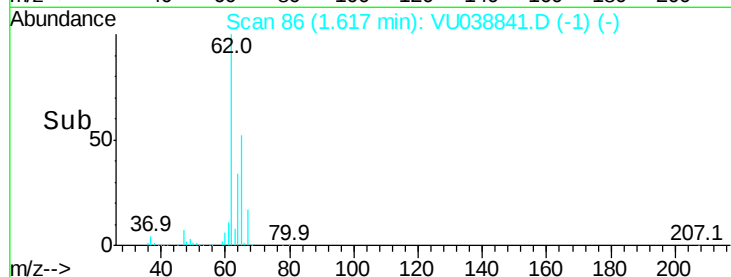
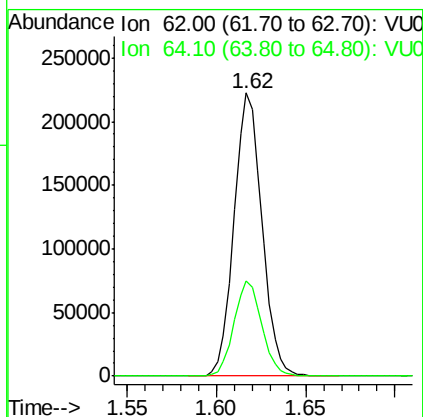
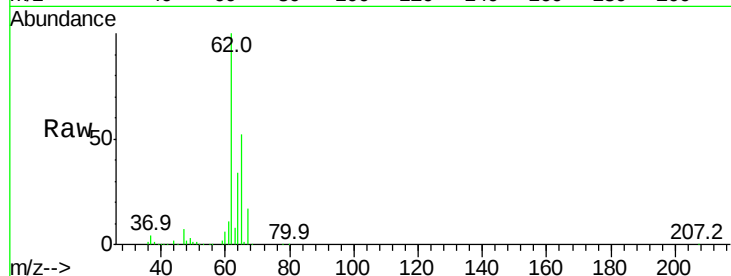
VSTD01005

Tgt Ion: 62 Resp: 241226

Ion Ratio Lower Upper

62 100

64 33.7 23.4 43.6



#6

Bromomethane

Concen: 12.743 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU038841.D

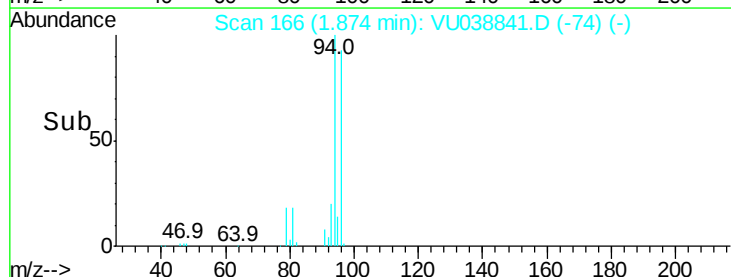
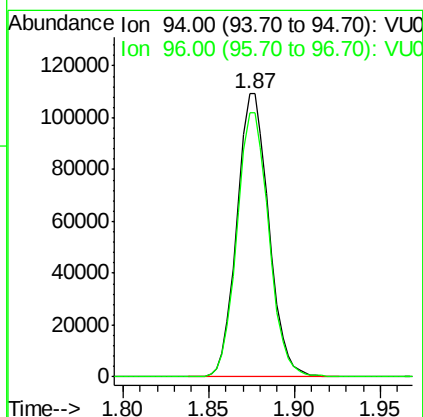
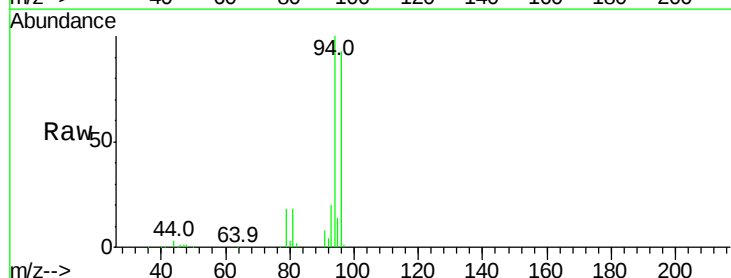
Acq: 12 Jun 2020 10:19

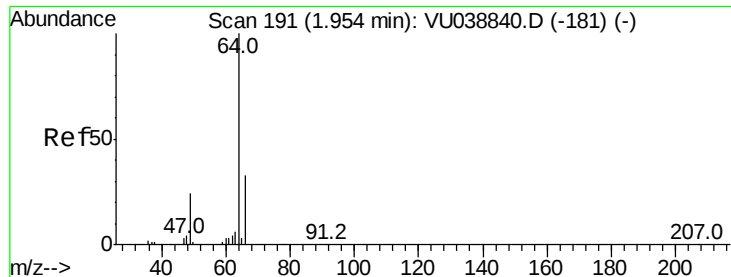
Tgt Ion: 94 Resp: 140967

Ion Ratio Lower Upper

94 100

96 93.3 66.8 124.2





#8

Chloroethane

Concen: 10.458 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU038841.D

Acq: 12 Jun 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

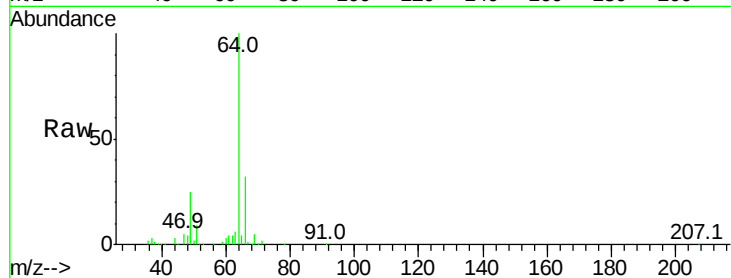
VSTD01005

Tgt Ion: 64 Resp: 142788

Ion Ratio Lower Upper

64 100

66 32.3 22.9 42.5



Abundance Ion 64.10 (63.80 to 64.80): VU038841.D (-181) (-)

Ion 66.05 (65.75 to 66.75): VU038841.D (-181) (-)

1.95

120000

100000

80000

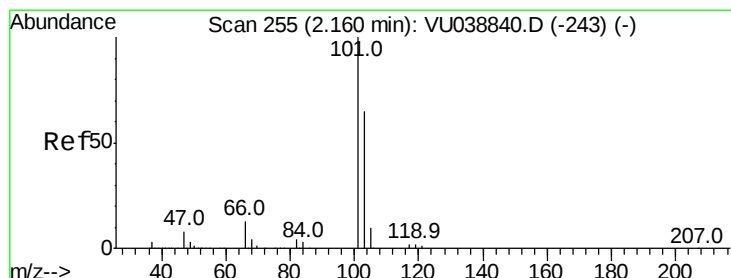
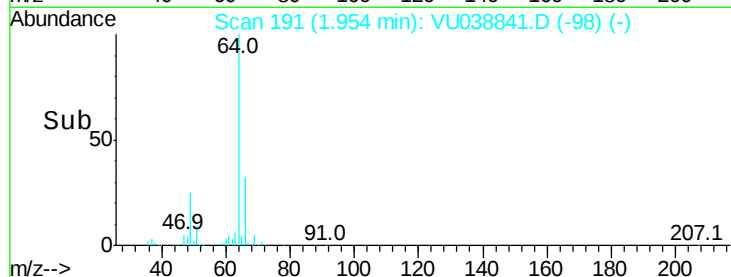
60000

40000

20000

0

Time-->



#9

Trichlorofluoromethane

Concen: 11.821 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU038841.D

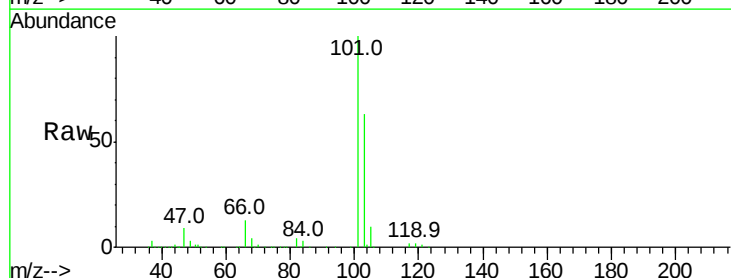
Acq: 12 Jun 2020 10:19

Tgt Ion: 101 Resp: 357316

Ion Ratio Lower Upper

101 100

103 63.7 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VU038841.D (-243) (-)

Ion 103.00 (102.70 to 103.70): VU038841.D (-243) (-)

2.16

250000

200000

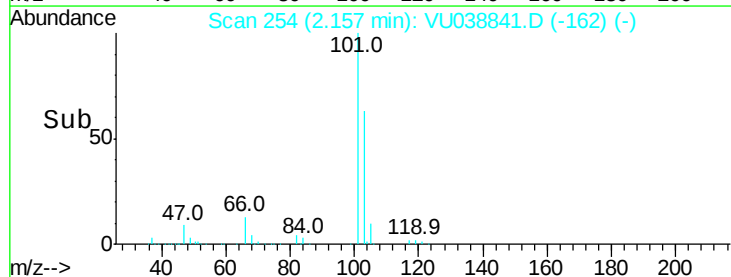
150000

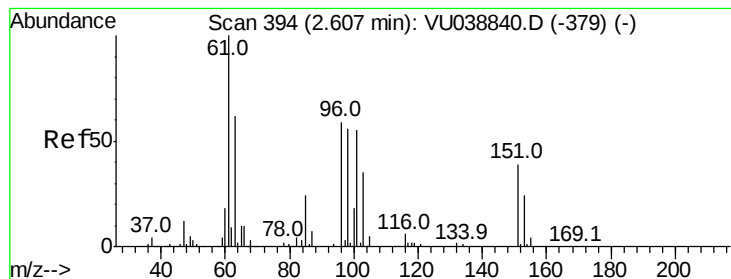
100000

50000

0

Time-->





#10

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

Concen: 11.415 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038841.D

Acq: 12 Jun 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD01005

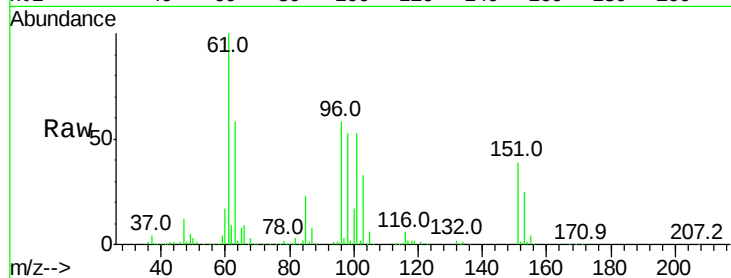
Tgt Ion:101 Resp: 203229

Ion Ratio Lower Upper

101 100

85 43.9 34.5 51.7

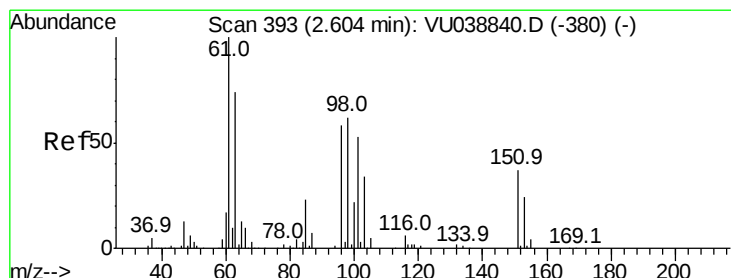
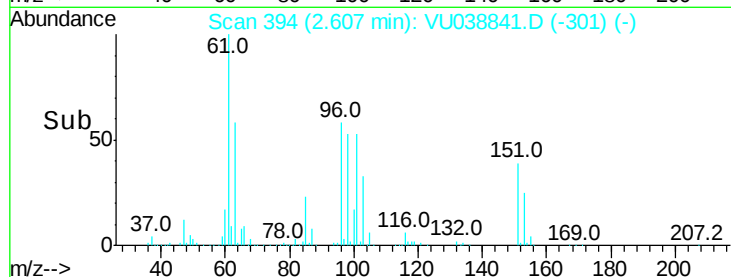
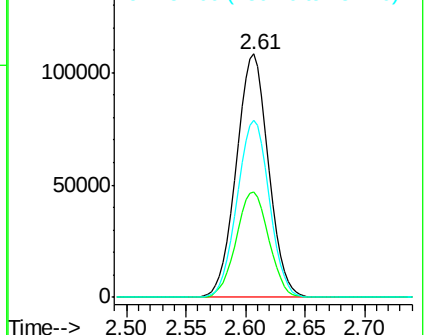
151 73.0 56.5 84.7



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: 10.938 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU038841.D

Acq: 12 Jun 2020 10:19

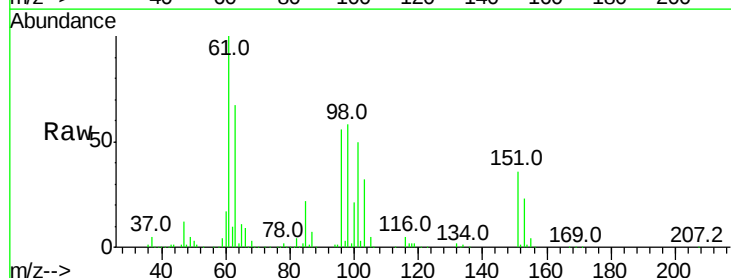
Tgt Ion: 96 Resp: 197923

Ion Ratio Lower Upper

96 100

61 178.1 120.2 223.2

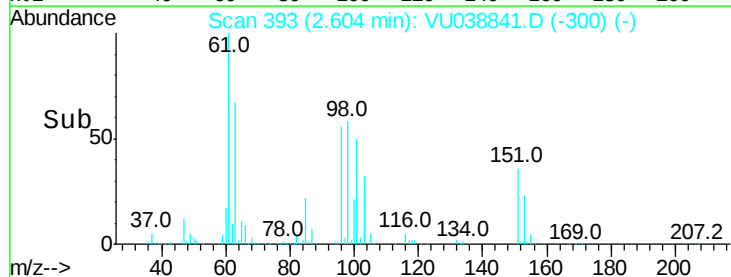
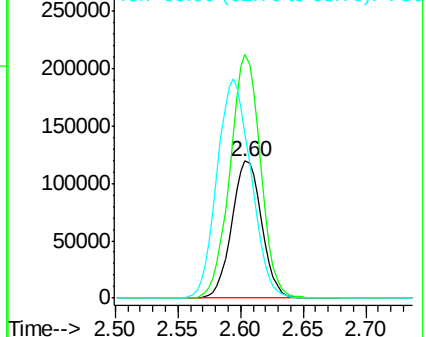
63 120.0 90.1 167.3

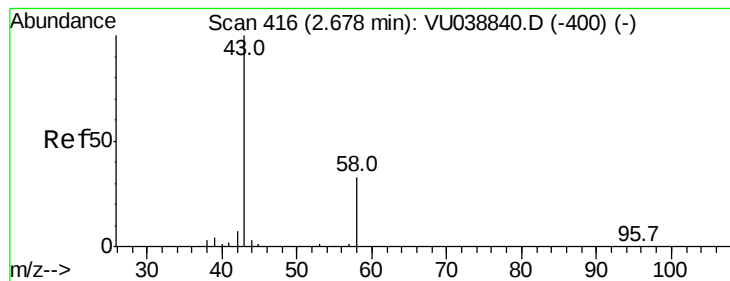


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 104.162 ug/L

RT: 2.68 min Scan# 417

Delta R.T. 0.00 min

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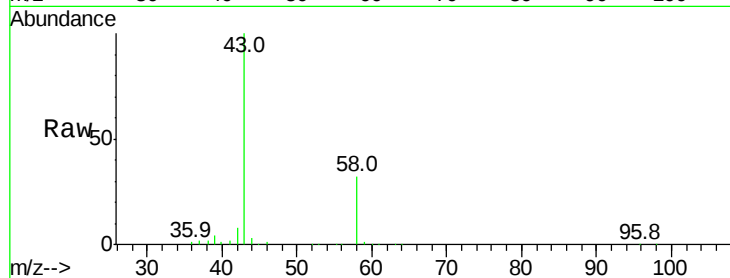
VSTD01005

Tgt Ion: 43 Resp: 393800

Ion Ratio Lower Upper

43 100

58 31.8 0.0 66.0



Abundance Ion 43.05 (42.75 to 43.75): VU038841.D (-417) (-)

Ion 58.05 (57.75 to 58.75): VU038841.D (-417) (-)

120000

100000

80000

60000

40000

20000

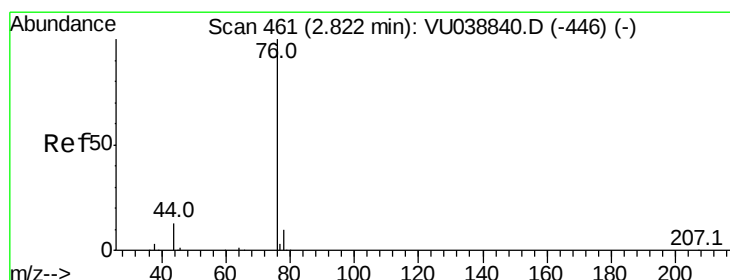
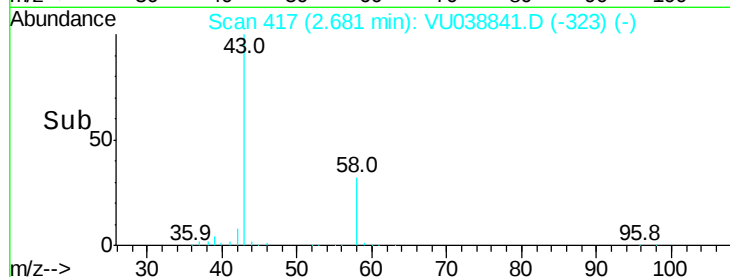
0

2.60

2.70

2.80

Time-->



#14

Carbon disulfide

Concen: 10.932 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU038841.D

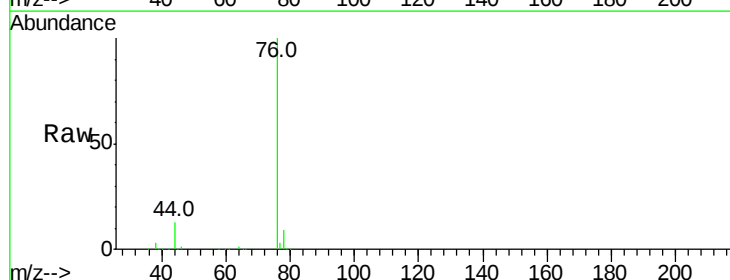
Acq: 12 Jun 2020 10:19

Tgt Ion: 76 Resp: 671208

Ion Ratio Lower Upper

76 100

78 8.9 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VU038841.D (-460) (-)

Ion 78.00 (77.70 to 78.70): VU038841.D (-460) (-)

400000

300000

200000

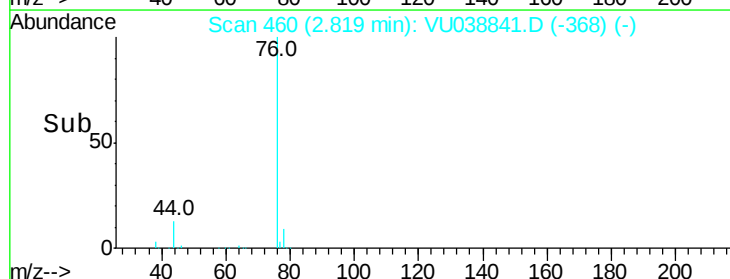
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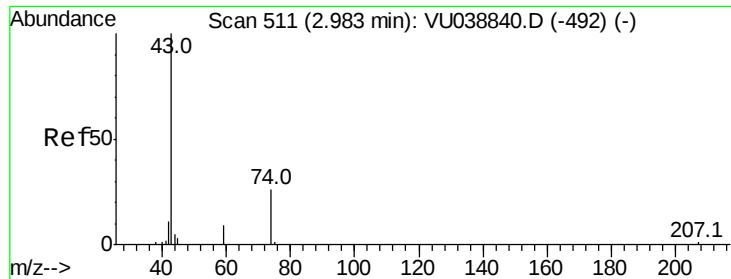
0

2.80

2.90

Time-->





#15

Methyl Acetate

Concen: 10.346 ug/L

RT: 2.99 min Scan# 512

Delta R.T. 0.00 min

Lab File: VU038841.D

Acq: 12 Jun 2020 10:19

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ClientSampleId :

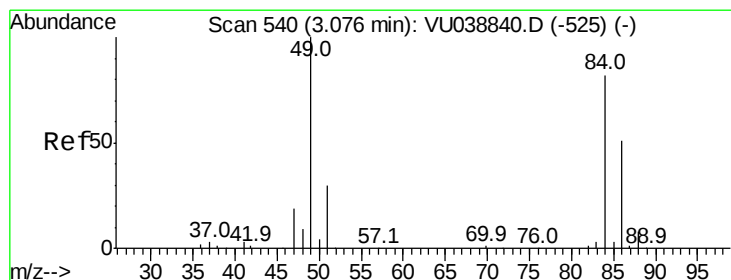
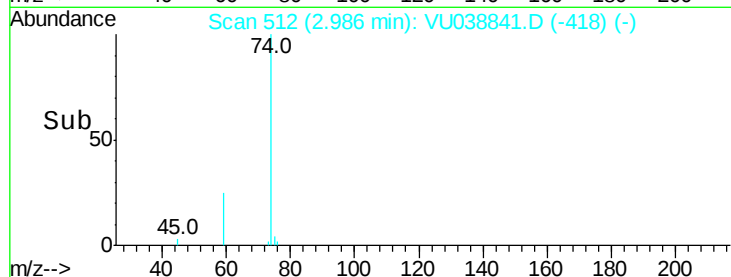
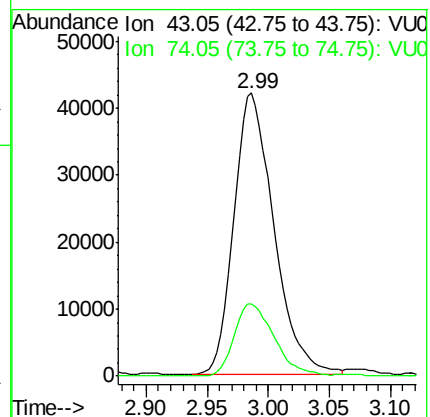
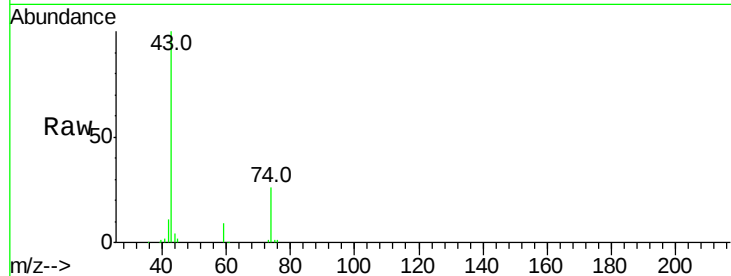
VSTD01005

Tgt Ion: 43 Resp: 95826

Ion Ratio Lower Upper

43 100

74 25.8 21.0 31.4



#16

Methylene chloride

Concen: 10.675 ug/L

RT: 3.08 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU038841.D

Acq: 12 Jun 2020 10:19

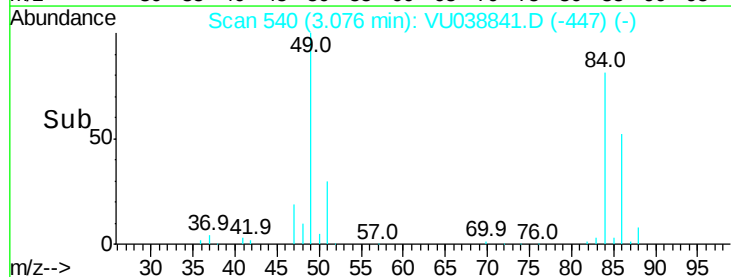
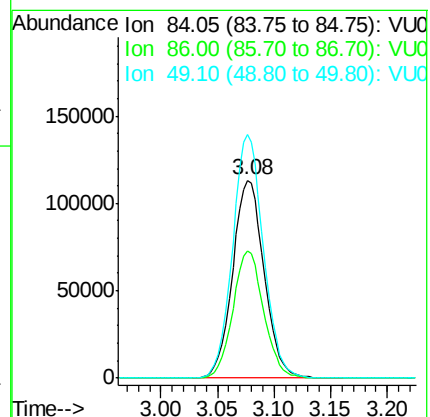
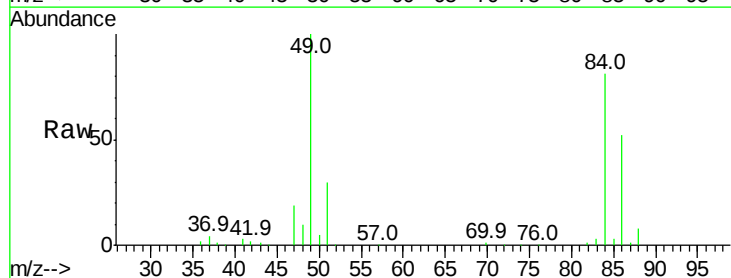
Tgt Ion: 84 Resp: 218596

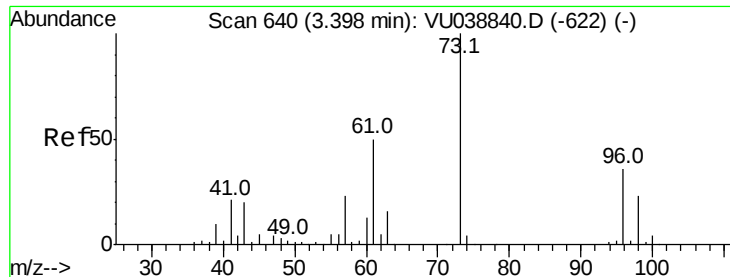
Ion Ratio Lower Upper

84 100

86 64.6 43.0 80.0

49 123.0 85.0 157.8

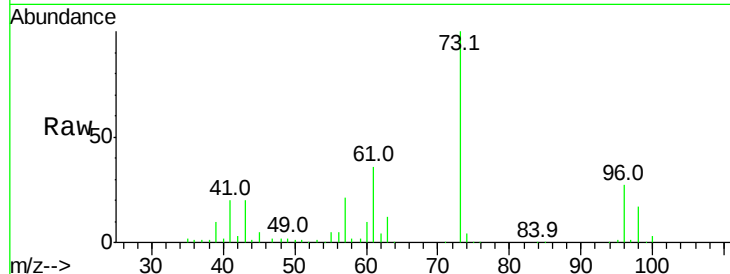




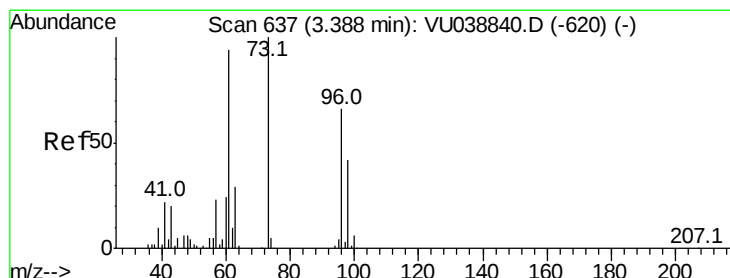
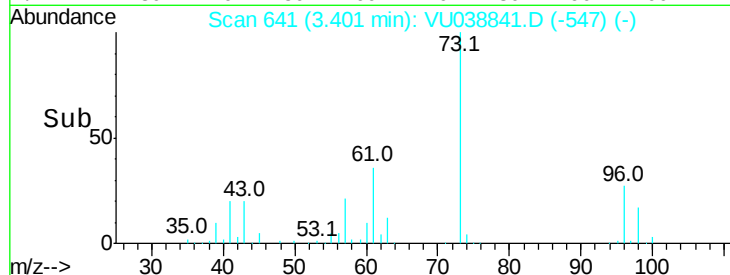
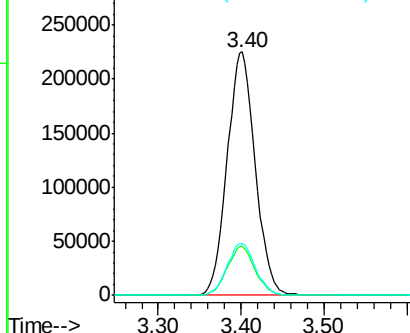
#17
Methyl tert-butyl Ether
Concen: 11.142 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU038841.D
Acq: 12 Jun 2020 10:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD01005

Tgt Ion: 73 Resp: 528680
Ion Ratio Lower Upper
73 100
43 19.8 15.9 23.9
57 21.7 17.5 26.3

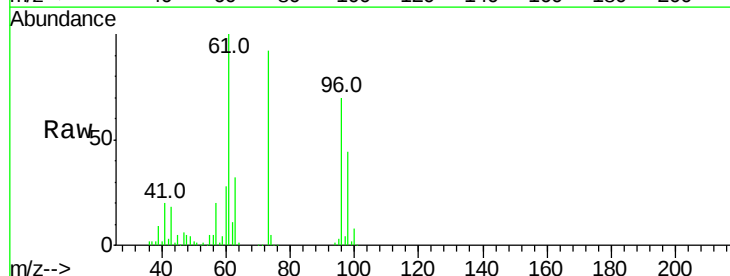


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

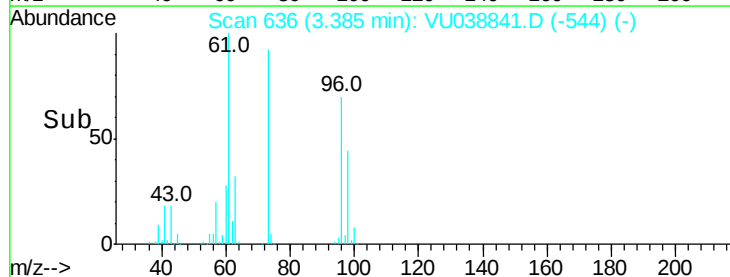
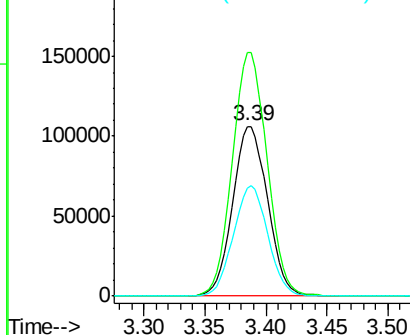


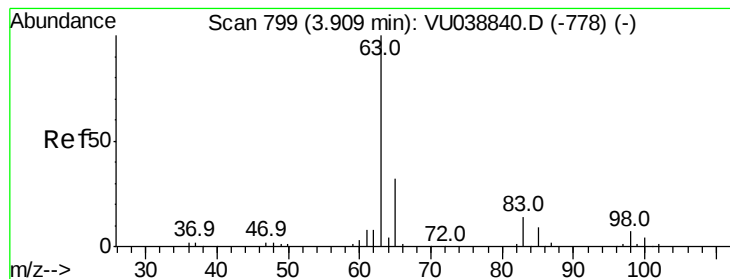
#18
trans-1,2-Dichloroethene
Concen: 10.816 ug/L
RT: 3.39 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU038841.D
Acq: 12 Jun 2020 10:19

Tgt Ion: 96 Resp: 210937
Ion Ratio Lower Upper
96 100
61 143.7 99.3 184.5
98 63.4 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

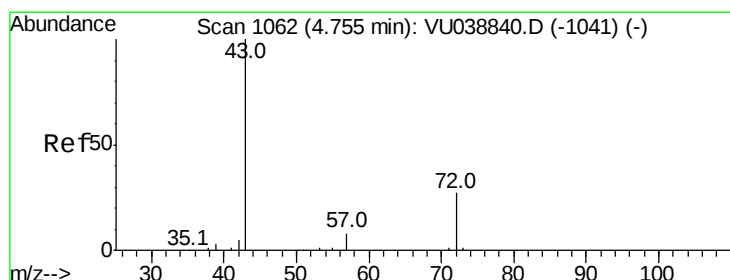
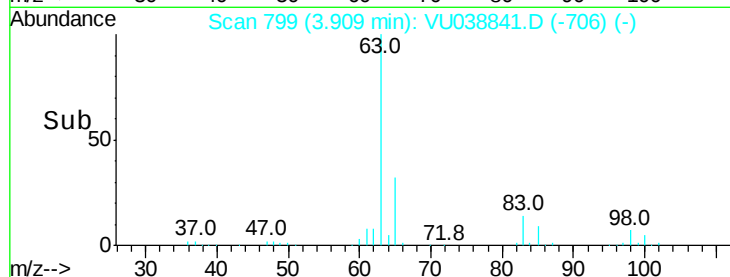
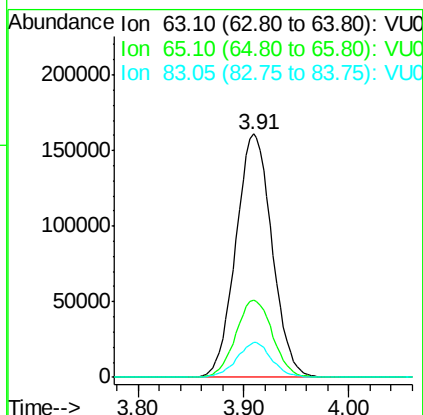
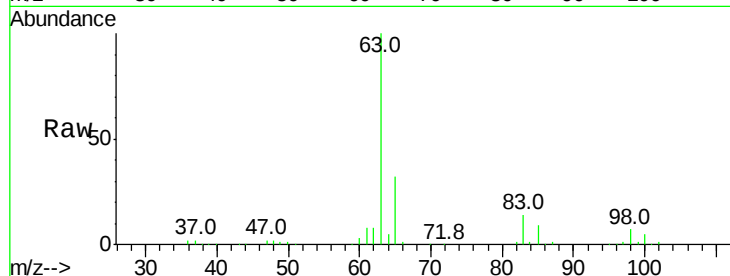




#19
 1,1-Dichloroethane
 Concen: 10.983 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: VU038841.D
 Acq: 12 Jun 2020 10:19

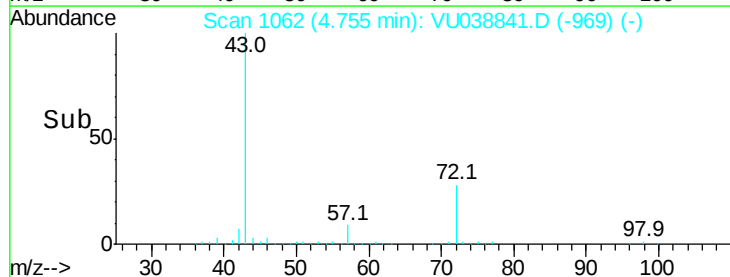
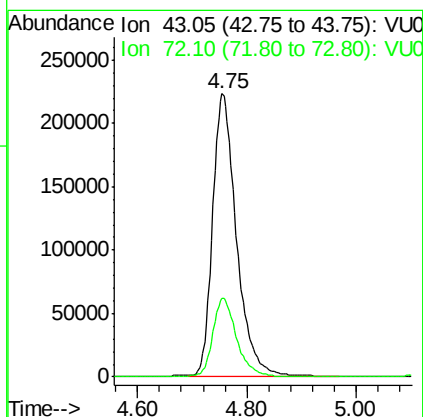
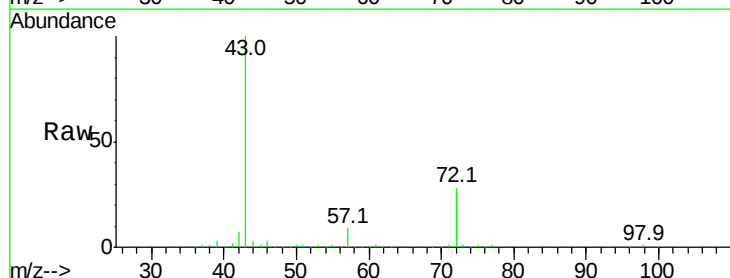
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

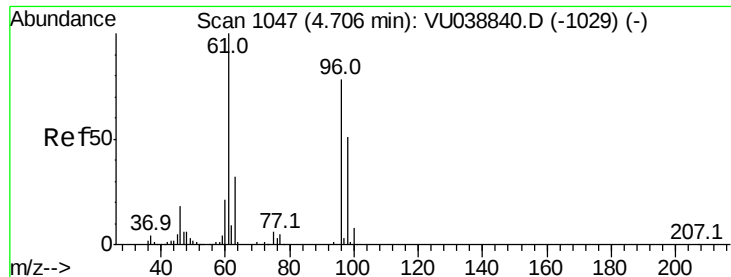
Tgt Ion: 63 Resp: 383307
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.3 41.5
 83 14.1 10.1 18.9



#21
 2-Butanone
 Concen: 106.326 ug/L
 RT: 4.75 min Scan# 1062
 Delta R.T. 0.00 min
 Lab File: VU038841.D
 Acq: 12 Jun 2020 10:19

Tgt Ion: 43 Resp: 676122
 Ion Ratio Lower Upper
 43 100
 72 27.9 14.2 42.8





#22

cis-1,2-Dichloroethene

Concen: 10.749 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038841.D

Acq: 12 Jun 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD01005

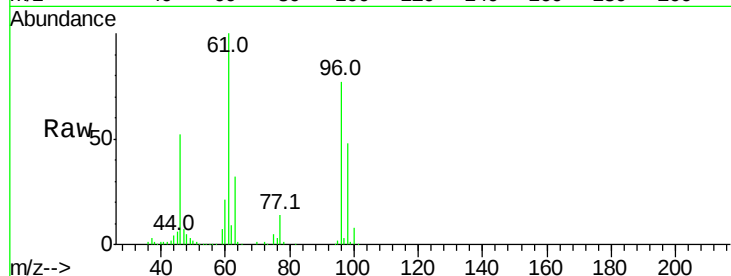
Tgt Ion: 96 Resp: 225721

Ion Ratio Lower Upper

96 100

61 129.4 89.7 166.7

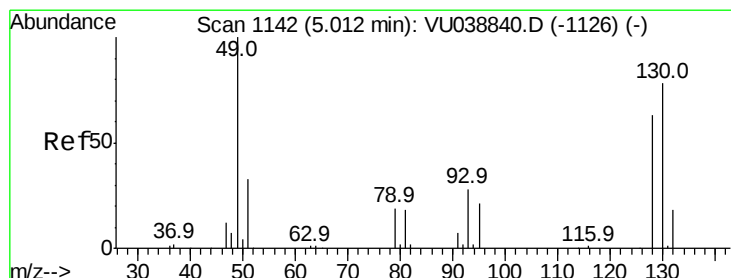
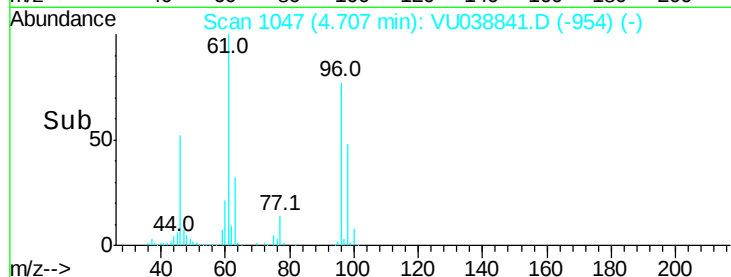
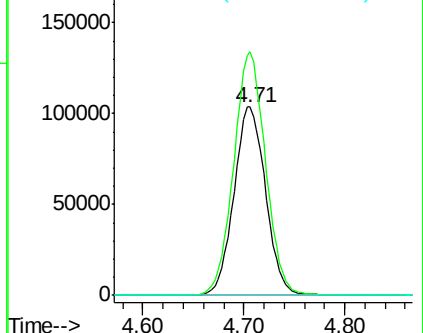
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038841.D (-1029) (-)

Ion 61.05 (60.75 to 61.75): VU038841.D (-1029) (-)

Ion 68.15 (67.85 to 68.85): VU038841.D (-1029) (-)



#23

Bromochloromethane

Concen: 10.893 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU038841.D

Acq: 12 Jun 2020 10:19

Tgt Ion: 128 Resp: 102940

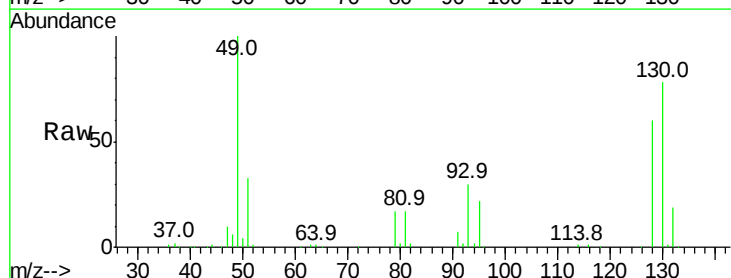
Ion Ratio Lower Upper

128 100

49 167.4 110.8 205.8

130 129.8 86.6 160.8

51 55.4 42.3 63.5

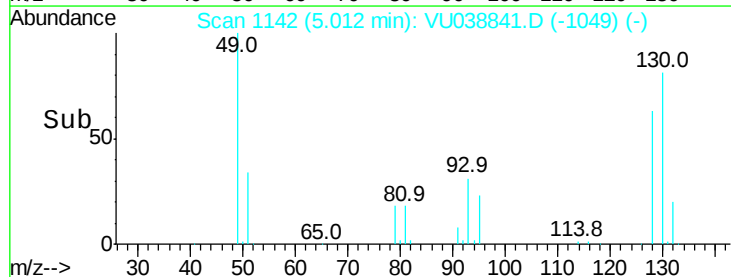
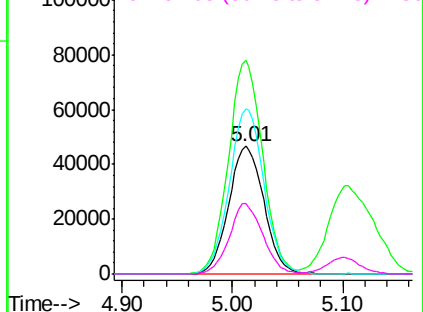


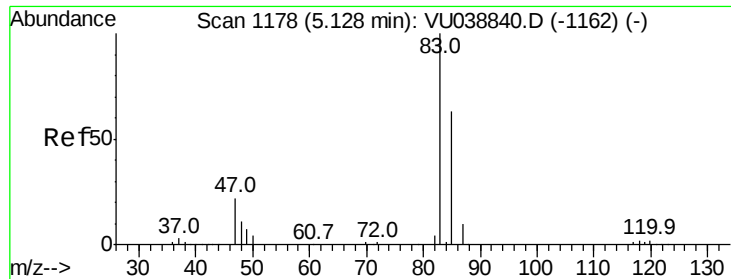
Abundance Ion 127.90 (127.60 to 128.60): VU038841.D (-1049) (-)

Ion 49.10 (48.80 to 49.80): VU038841.D (-1049) (-)

Ion 129.95 (129.65 to 130.65): VU038841.D (-1049) (-)

Ion 51.05 (50.75 to 51.75): VU038841.D (-1049) (-)

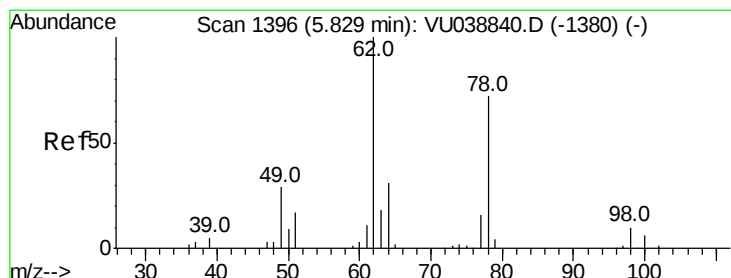
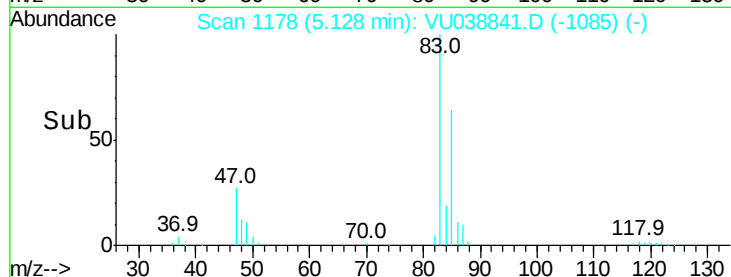
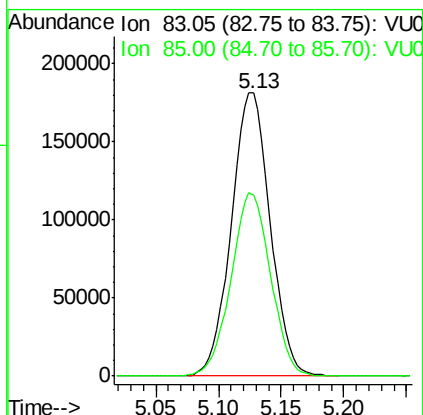
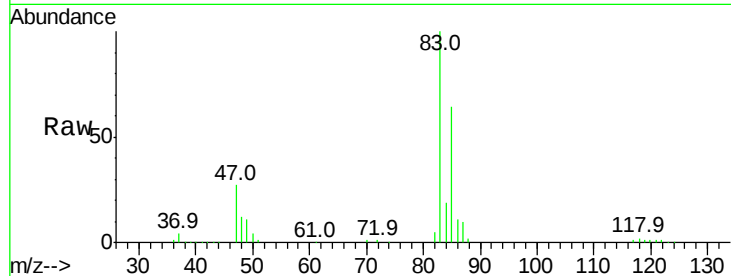




#25
Chloroform
Concen: 11.024 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU038841.D
Acq: 12 Jun 2020 10:19

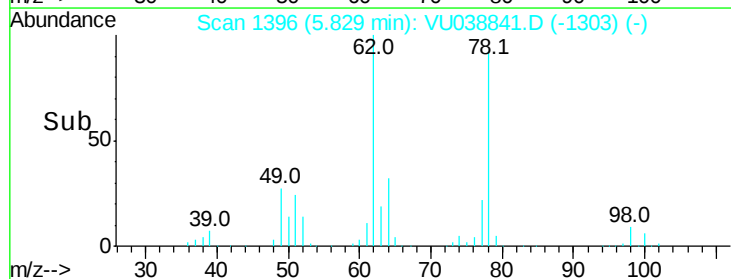
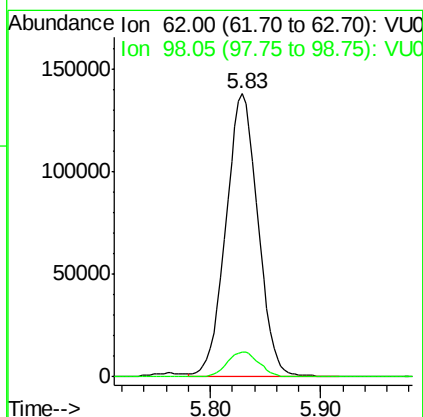
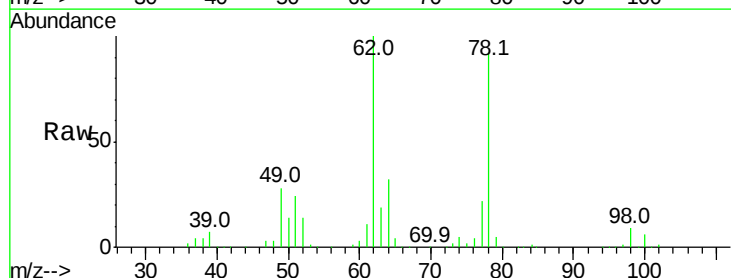
Instrument :
MSVOA_U
ClientSampleId :
VSTD01005

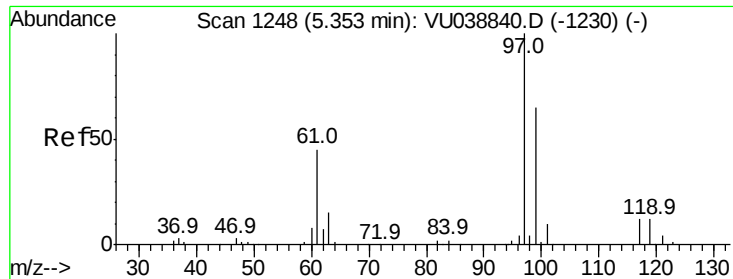
Tgt Ion: 83 Resp: 390829
Ion Ratio Lower Upper
83 100
85 64.1 44.1 81.9



#27
1,2-Dichloroethane
Concen: 11.123 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU038841.D
Acq: 12 Jun 2020 10:19

Tgt Ion: 62 Resp: 277618
Ion Ratio Lower Upper
62 100
98 8.6 8.2 12.4

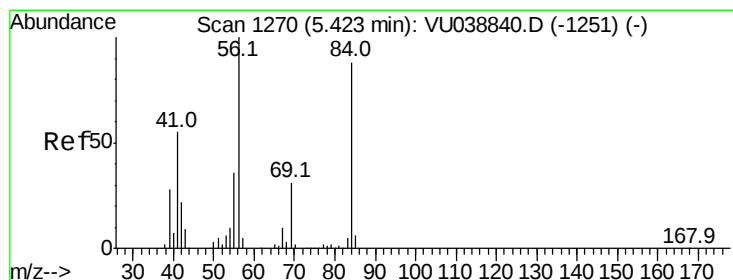
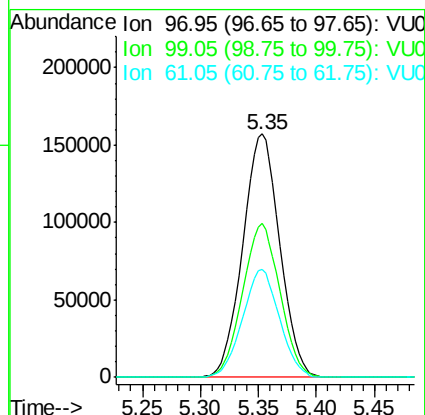
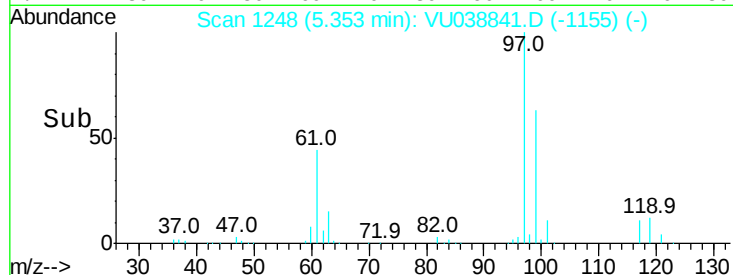
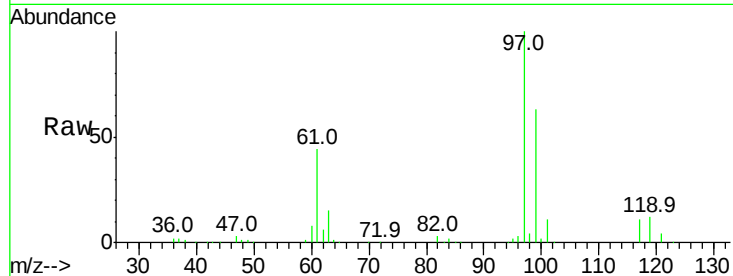




#29
 1,1,1-Trichloroethane
 Concen: 11.250 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VU038841.D
 Acq: 12 Jun 2020 10:19

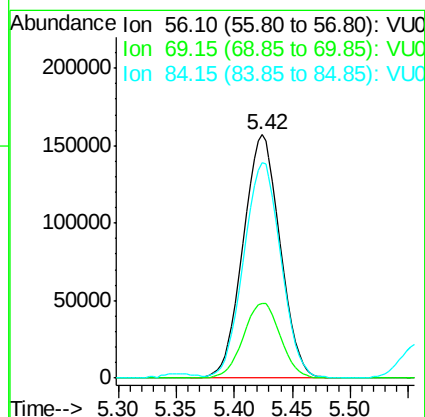
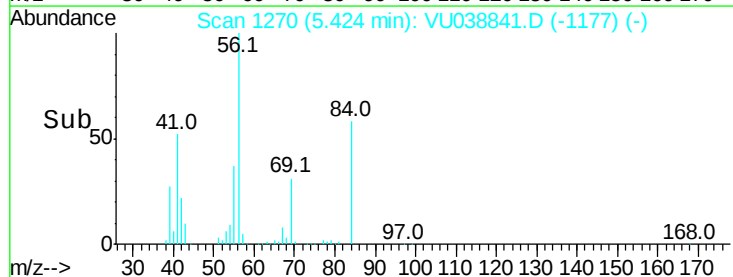
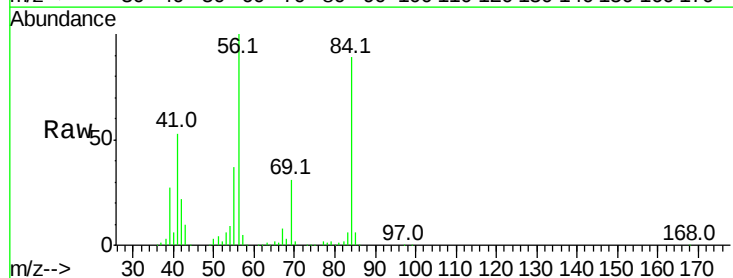
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

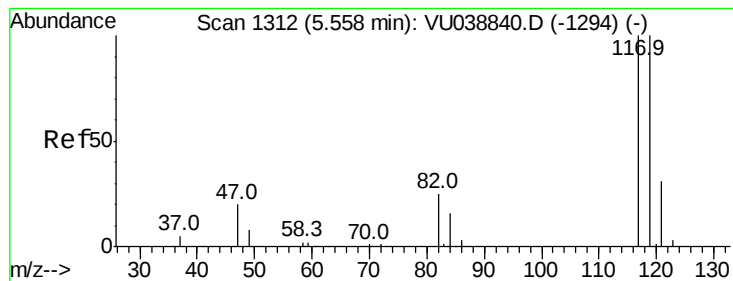
Tgt Ion: 97 Resp: 349763
 Ion Ratio Lower Upper
 97 100
 99 63.6 52.1 78.1
 61 44.1 35.9 53.9



#30
 Cyclohexane
 Concen: 10.719 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VU038841.D
 Acq: 12 Jun 2020 10:19

Tgt Ion: 56 Resp: 349444
 Ion Ratio Lower Upper
 56 100
 69 30.9 25.1 37.7
 84 88.8 69.5 104.3





#31

Carbon tetrachloride

Concen: 11.502 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU038841.D

Acq: 12 Jun 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

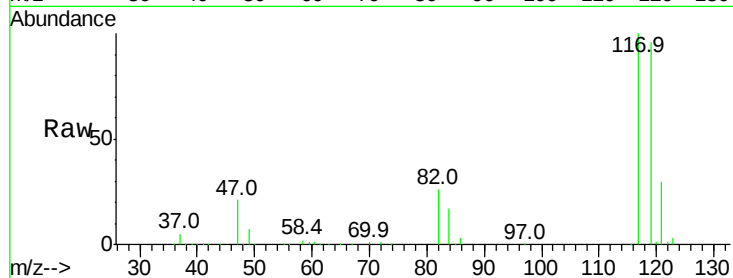
VSTD01005

Tgt Ion:117 Resp: 297725

Ion Ratio Lower Upper

117 100

119 95.3 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.56

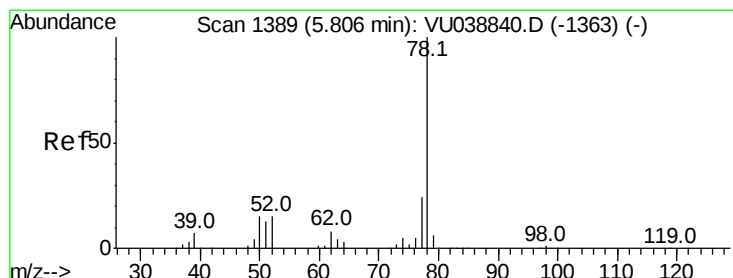
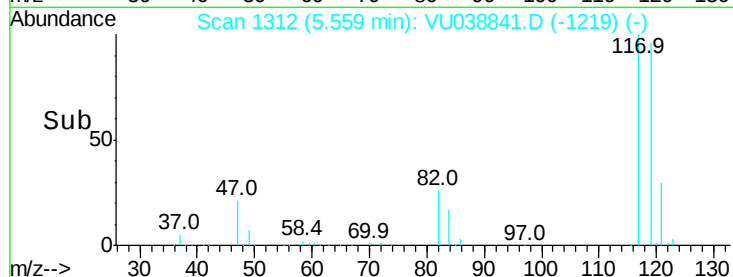
150000

100000

50000

0

Time-->



#33

Benzene

Concen: 10.596 ug/L

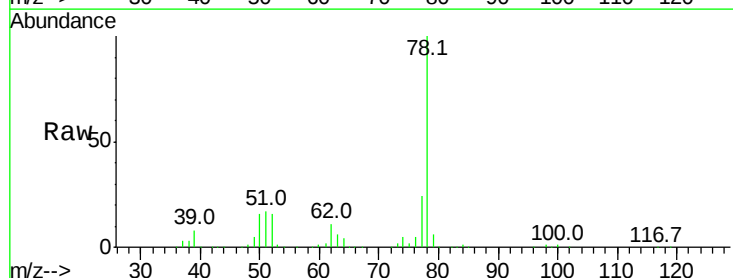
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU038841.D

Acq: 12 Jun 2020 10:19

Tgt Ion: 78 Resp: 868142



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.81

500000

400000

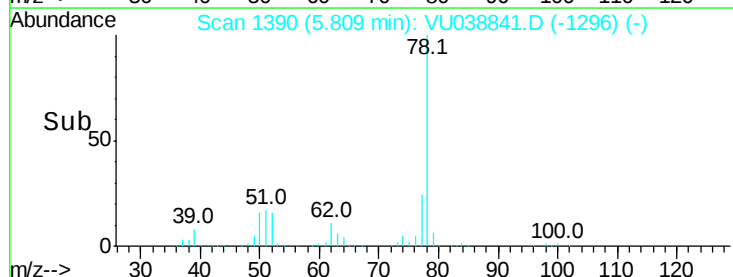
300000

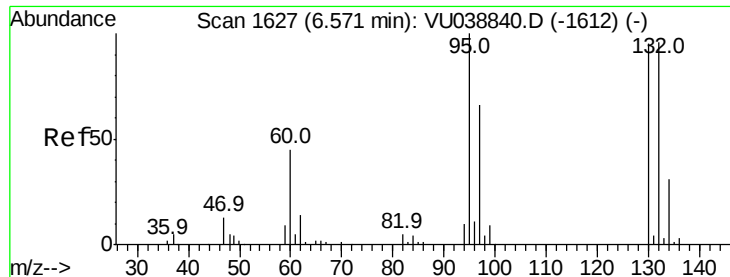
200000

100000

0

Time-->





#34

Trichloroethene

Concen: 10.612 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU038841.D

Acq: 12 Jun 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD01005

Tgt Ion: 95 Resp: 225678

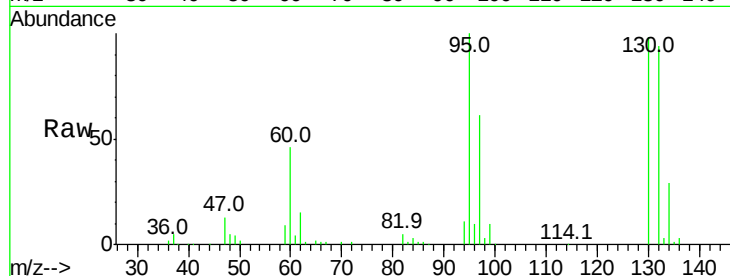
Ion Ratio Lower Upper

95 100

97 61.3 46.1 85.5

132 94.1 67.5 125.3

130 97.9 66.7 123.9

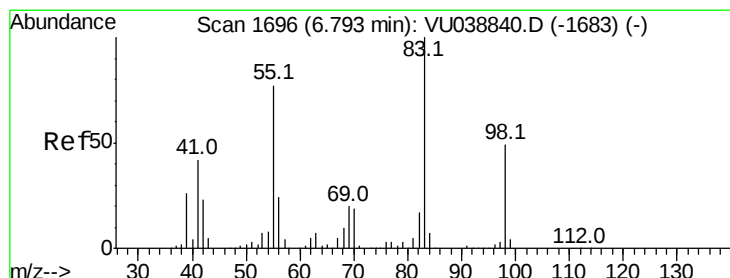
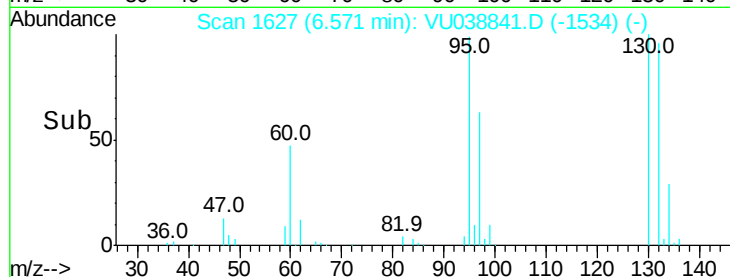
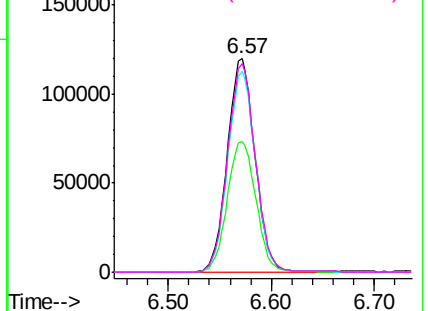


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 10.990 ug/L

RT: 6.79 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU038841.D

Acq: 12 Jun 2020 10:19

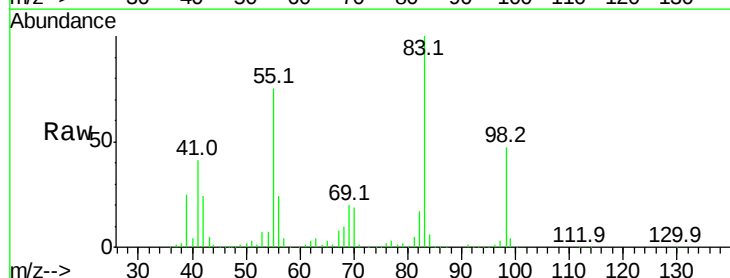
Tgt Ion: 83 Resp: 361828

Ion Ratio Lower Upper

83 100

55 77.2 64.2 96.2

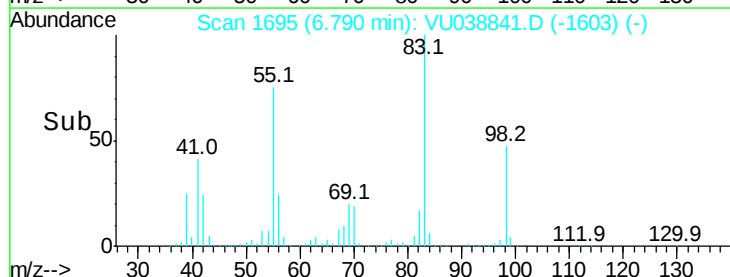
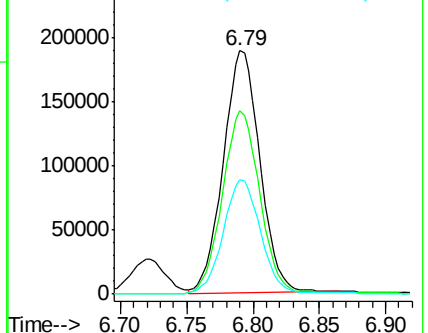
98 47.8 40.5 60.7

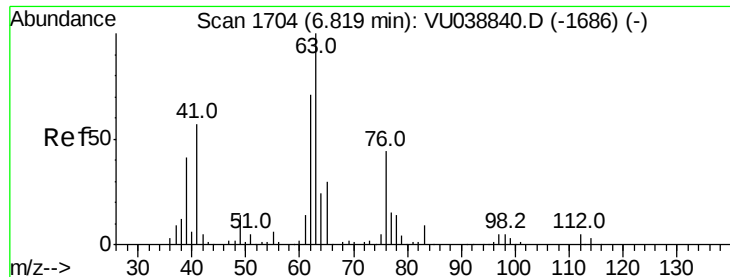


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

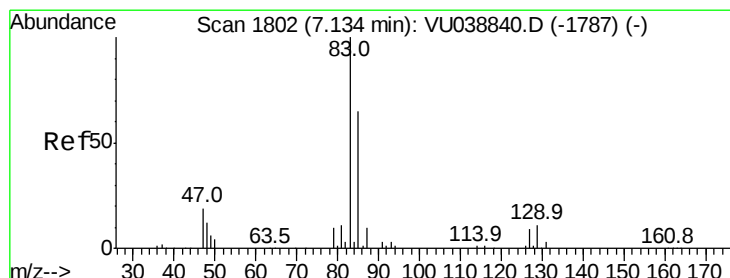
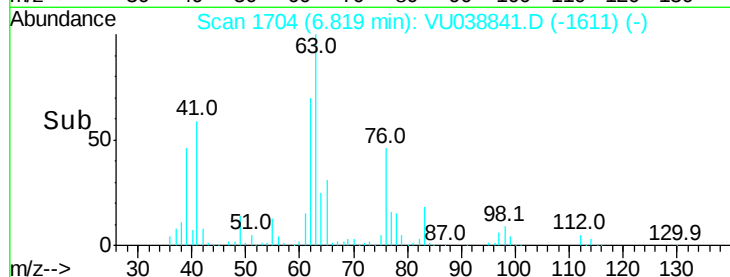
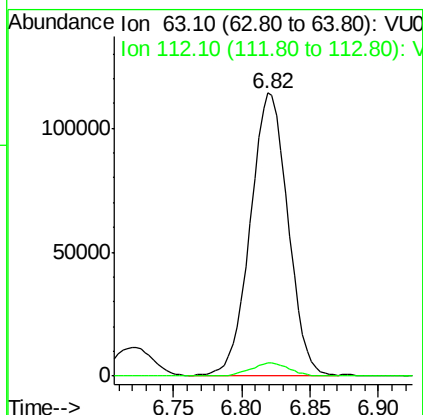
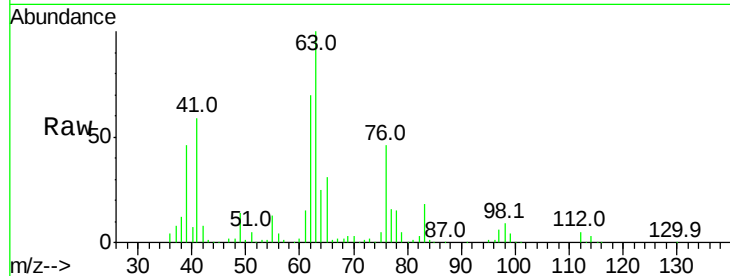




#37
 1,2-Dichloropropane
 Concen: 10.533 ug/L
 RT: 6.82 min Scan# 1704
 Delta R.T. 0.00 min
 Lab File: VU038841.D
 Acq: 12 Jun 2020 10:19

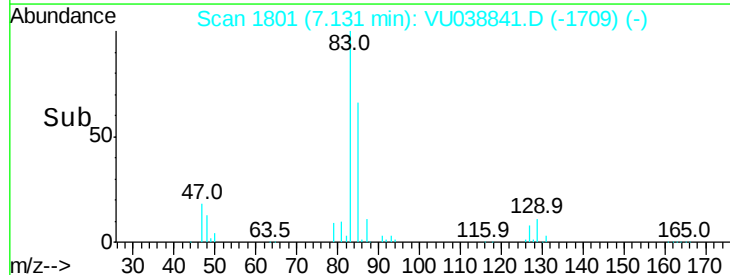
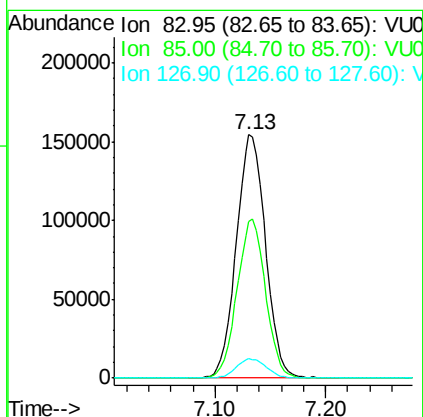
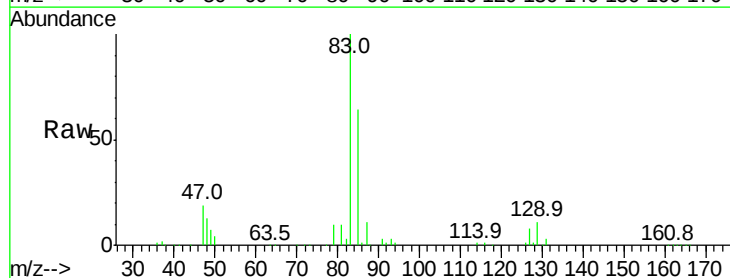
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

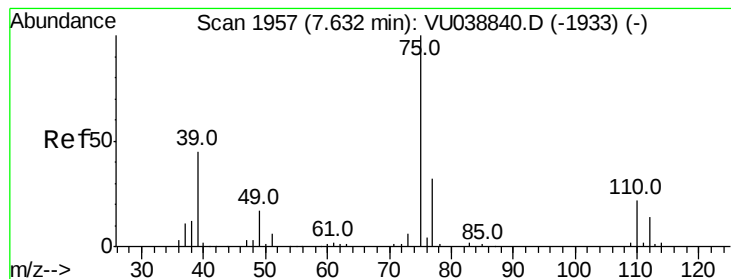
Tgt Ion: 63 Resp: 217155
 Ion Ratio Lower Upper
 63 100
 112 4.9 3.8 5.6



#38
 Bromodichloromethane
 Concen: 11.081 ug/L
 RT: 7.13 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VU038841.D
 Acq: 12 Jun 2020 10:19

Tgt Ion: 83 Resp: 283734
 Ion Ratio Lower Upper
 83 100
 85 64.4 45.3 84.1
 127 7.8 7.1 10.7



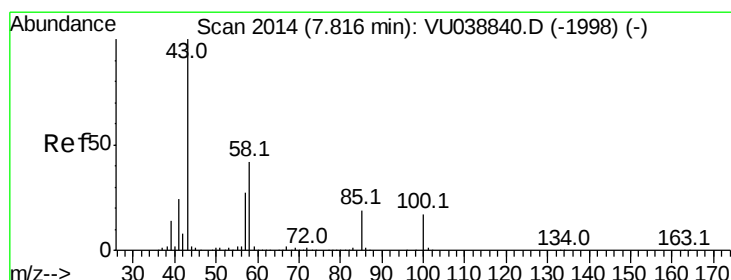
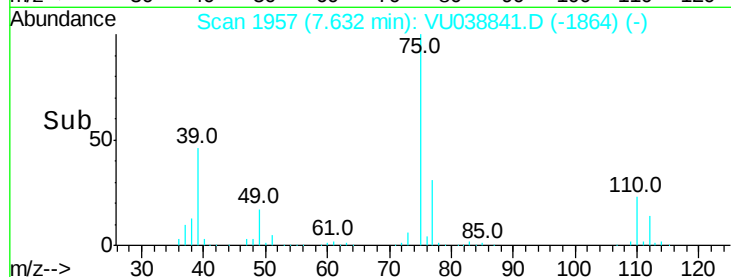
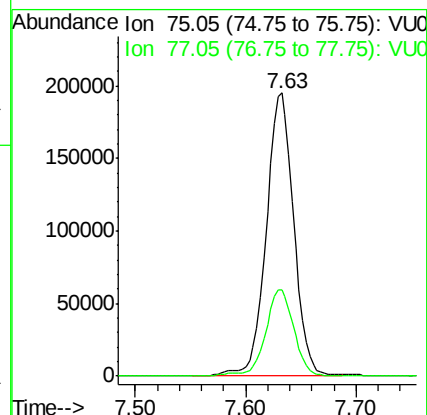
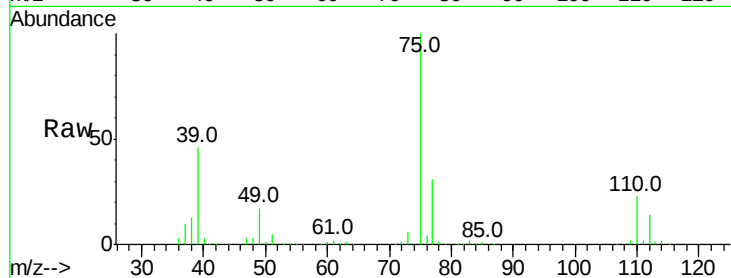


#39

cis-1,3-Dichloropropene
Concen: 11.109 ug/L
RT: 7.63 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VU038841.D
Acq: 12 Jun 2020 10:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD01005

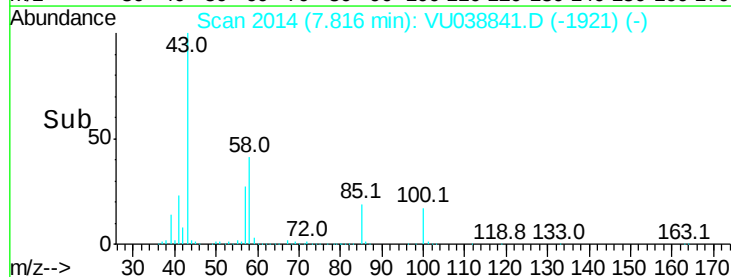
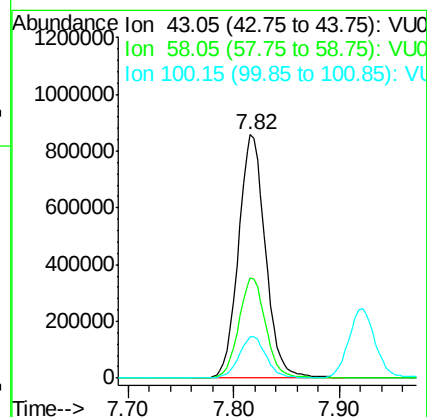
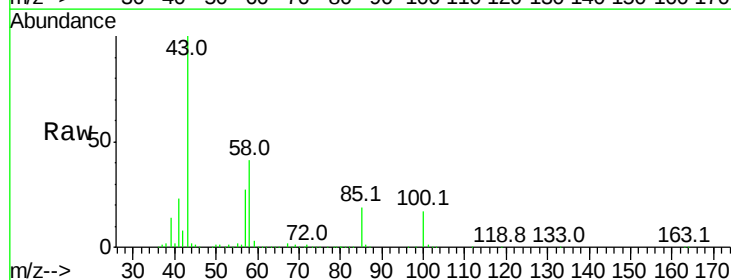
Tgt Ion: 75 Resp: 338489
Ion Ratio Lower Upper
75 100
77 30.6 22.4 41.6

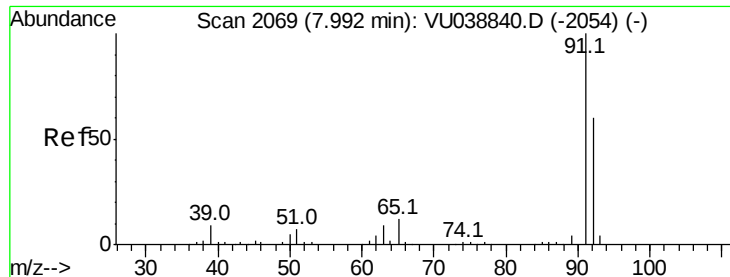


#40

4-Methyl-2-pentanone
Concen: 103.075 ug/L
RT: 7.82 min Scan# 2014
Delta R.T. 0.00 min
Lab File: VU038841.D
Acq: 12 Jun 2020 10:19

Tgt Ion: 43 Resp: 1519811
Ion Ratio Lower Upper
43 100
58 41.1 33.4 50.0
100 17.1 13.5 20.3





#42

Toluene

Concen: 10.908 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU038841.D

Acq: 12 Jun 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

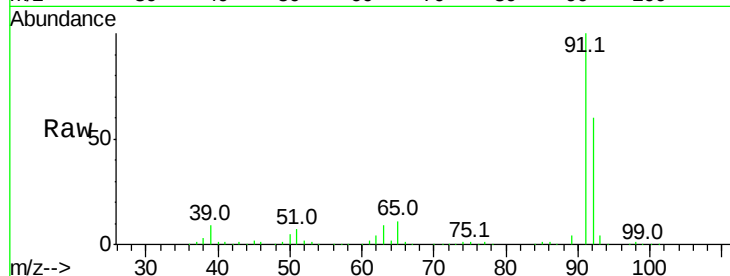
VSTD01005

Tgt Ion: 91 Resp: 937436

Ion Ratio Lower Upper

91 100

92 60.1 42.4 78.6



Abundance Ion 91.15 (90.85 to 91.85): VU038841.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU038841.D (-2054) (-)

7.99

600000

500000

400000

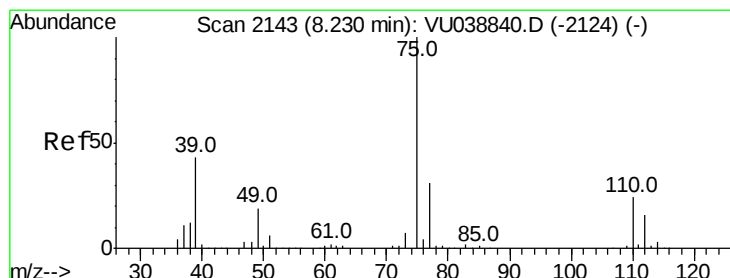
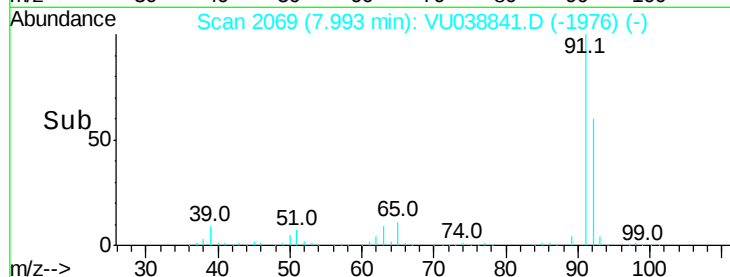
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 11.124 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VU038841.D

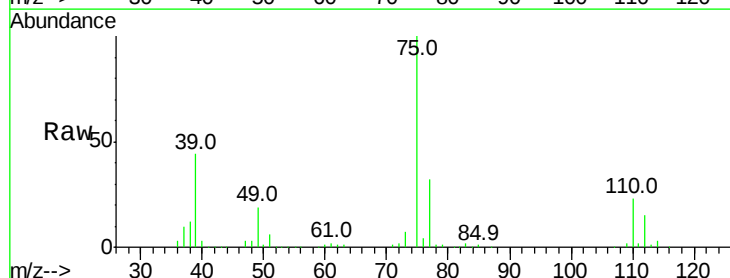
Acq: 12 Jun 2020 10:19

Tgt Ion: 75 Resp: 299353

Ion Ratio Lower Upper

75 100

77 31.8 21.9 40.7



Abundance Ion 75.05 (74.75 to 75.75): VU038841.D (-2124) (-)

Ion 77.05 (76.75 to 77.75): VU038841.D (-2124) (-)

8.23

200000

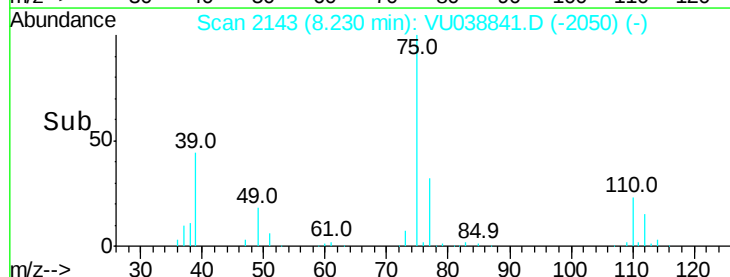
150000

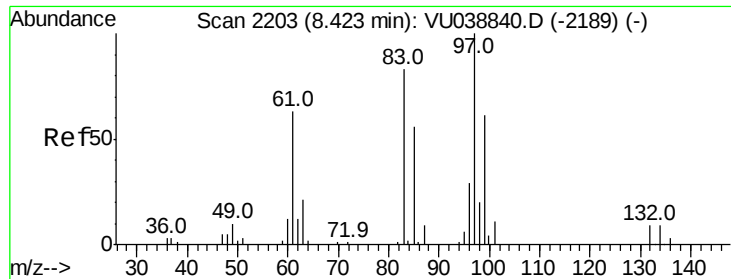
100000

50000

0

Time-->

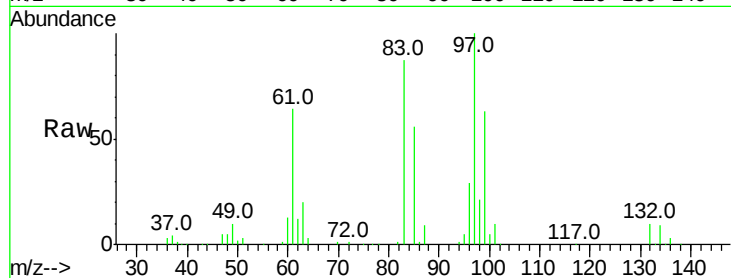




#45
1,1,2-Trichloroethane
Concen: 10.681 ug/L
RT: 8.42 min Scan# 2202
Delta R.T. -0.00 min
Lab File: VU038841.D
Acq: 12 Jun 2020 10:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD01005

Tgt Ion:	97	Resp:	166137
Ion	Ratio	Lower	Upper
97	100		
99	63.1	42.9	79.7
83	87.1	58.0	107.8
85	56.3	39.3	72.9

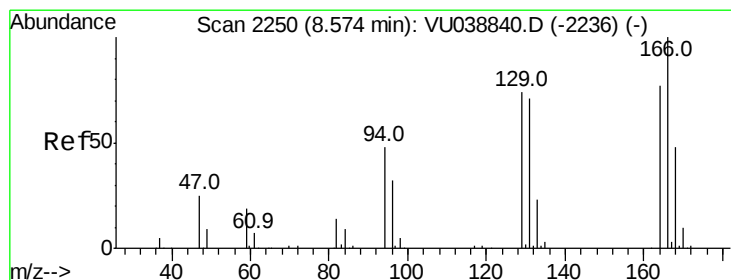
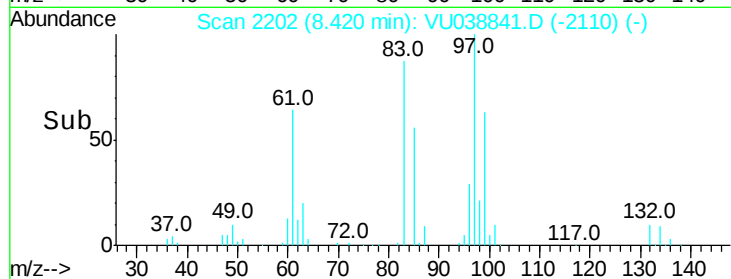
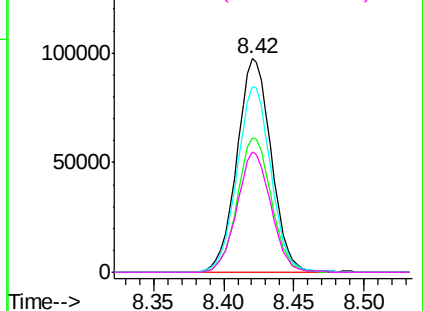


Abundance Ion 96.95 (96.65 to 97.65): VU038841.D (-2189) (-)

Ion 99.05 (98.75 to 99.75): VU038841.D (-2189) (-)

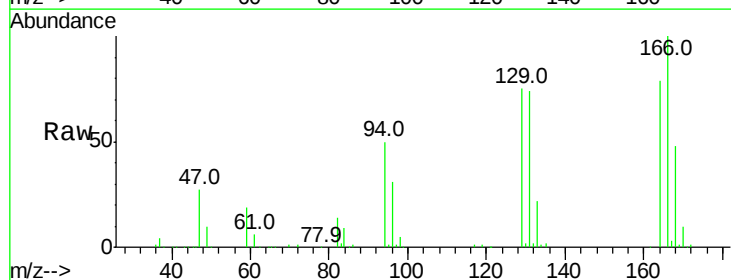
Ion 82.95 (82.65 to 83.65): VU038841.D (-2189) (-)

Ion 85.00 (84.70 to 85.70): VU038841.D (-2189) (-)



#47
Tetrachloroethene
Concen: 11.010 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. 0.00 min
Lab File: VU038841.D
Acq: 12 Jun 2020 10:19

Tgt Ion:	164	Resp:	170104
Ion	Ratio	Lower	Upper
164	100		
129	95.7	67.3	124.9
131	93.4	65.0	120.6
166	127.0	91.0	169.0

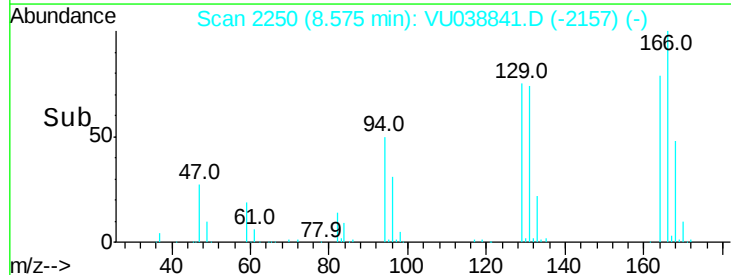
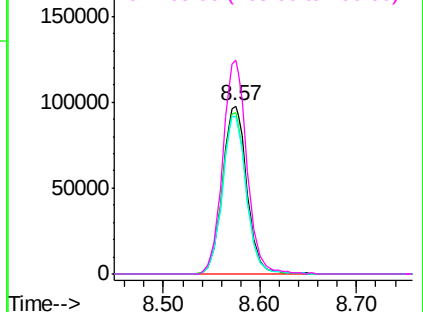


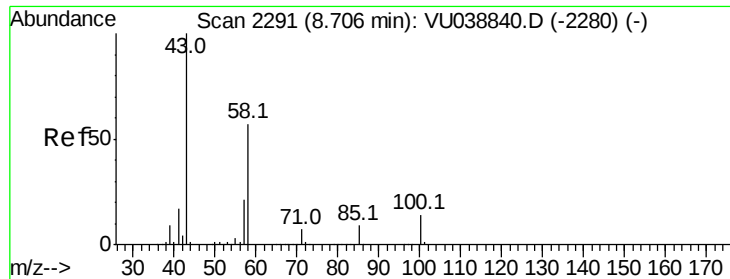
Abundance Ion 163.90 (163.60 to 164.60): VU038841.D (-2236) (-)

Ion 128.95 (128.65 to 129.65): VU038841.D (-2236) (-)

Ion 130.95 (130.65 to 131.65): VU038841.D (-2236) (-)

Ion 165.90 (165.60 to 166.60): VU038841.D (-2236) (-)



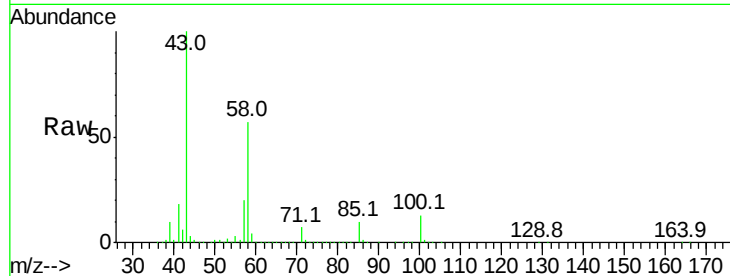


#48
2-Hexanone
Concen: 103.172 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU038841.D
Acq: 12 Jun 2020 10:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD01005

Tgt Ion: 43 Resp: 1152063

Ion	Ratio	Lower	Upper
43	100		
58	57.0	44.8	67.2
57	20.3	16.2	24.2
100	13.3	10.6	16.0

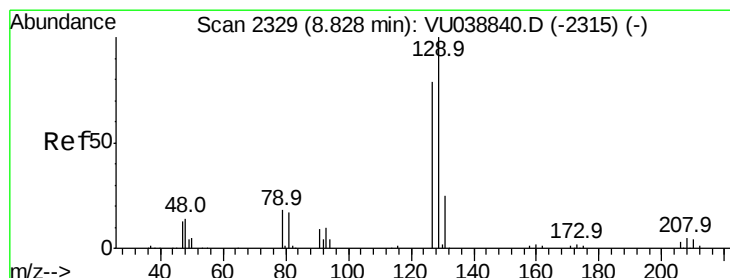
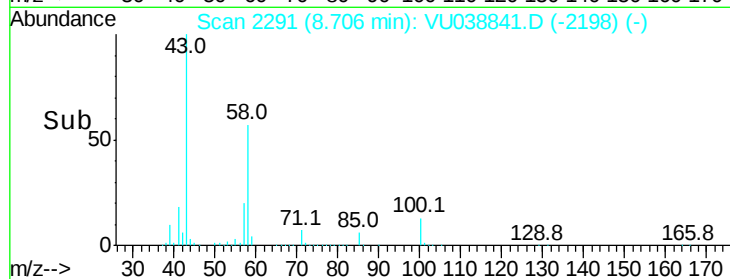
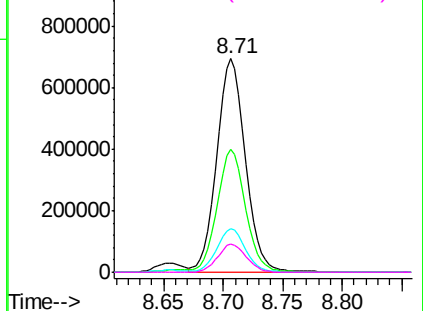


Abundance Ion 43.05 (42.75 to 43.75): VU038841.D (-2280) (-)

Ion 58.05 (57.75 to 58.75): VU038841.D (-2280) (-)

Ion 57.20 (56.90 to 57.90): VU038841.D (-2280) (-)

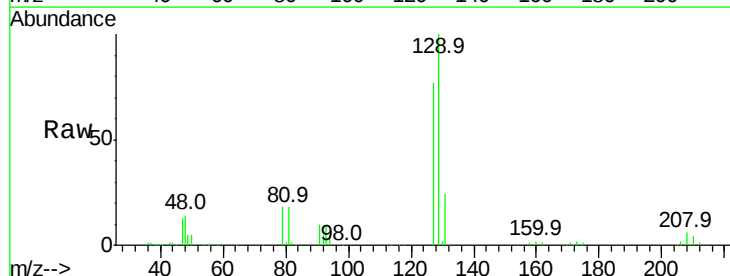
Ion 100.15 (99.85 to 100.85): VU038841.D (-2280) (-)



#49
Dibromochloromethane
Concen: 11.370 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU038841.D
Acq: 12 Jun 2020 10:19

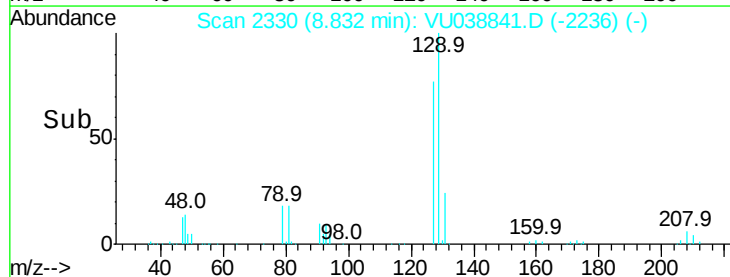
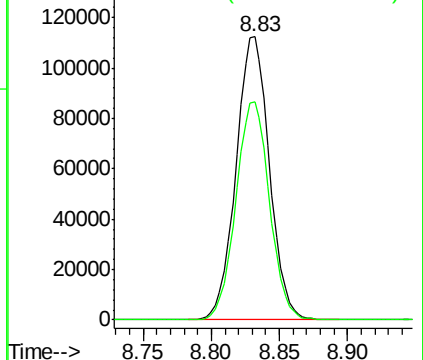
Tgt Ion: 129 Resp: 190893

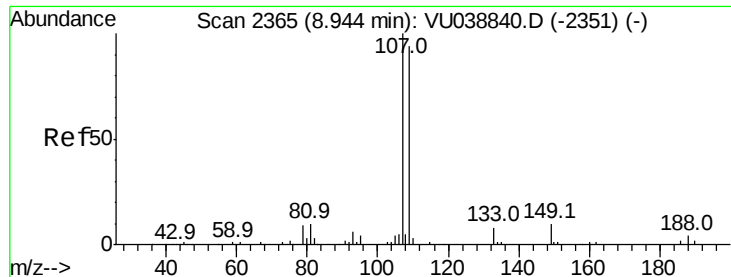
Ion	Ratio	Lower	Upper
129	100		
127	77.2	55.5	103.1



Abundance Ion 128.95 (128.65 to 129.65): VU038841.D (-2315) (-)

Ion 126.90 (126.60 to 127.60): VU038841.D (-2315) (-)

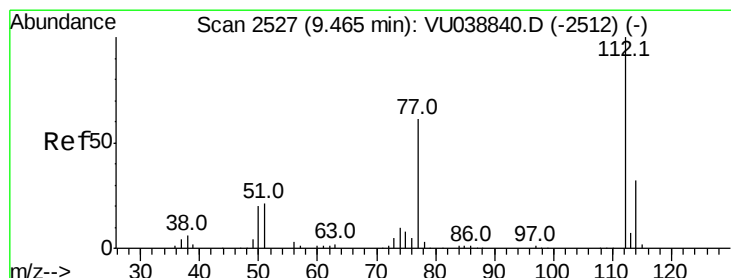
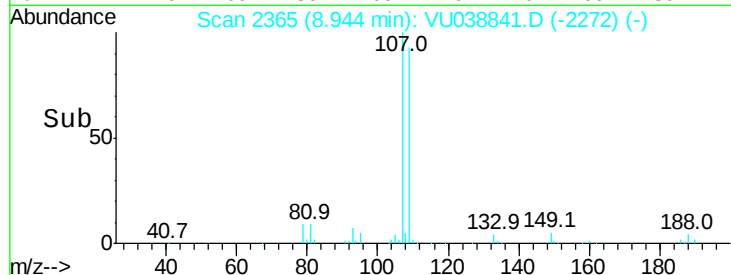
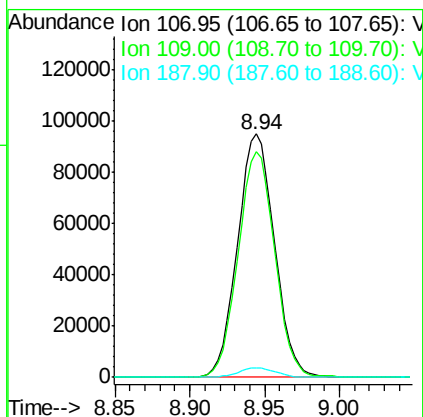
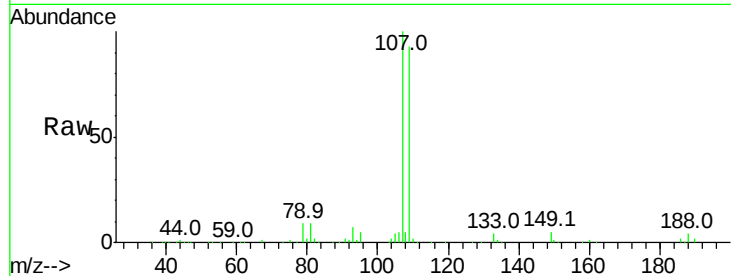




#50
1,2-Dibromoethane
Concen: 10.951 ug/L
RT: 8.94 min Scan# 2365
Delta R.T. 0.00 min
Lab File: VU038841.D
Acq: 12 Jun 2020 10:19

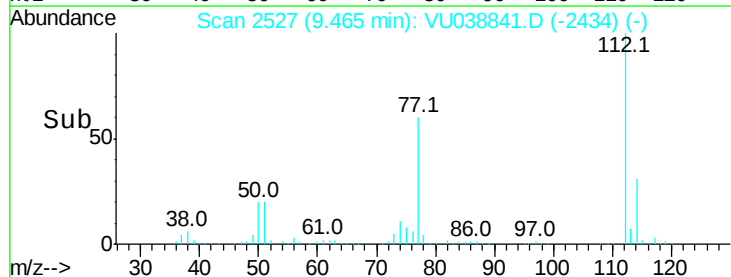
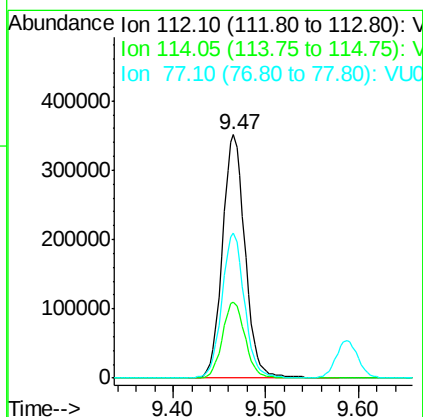
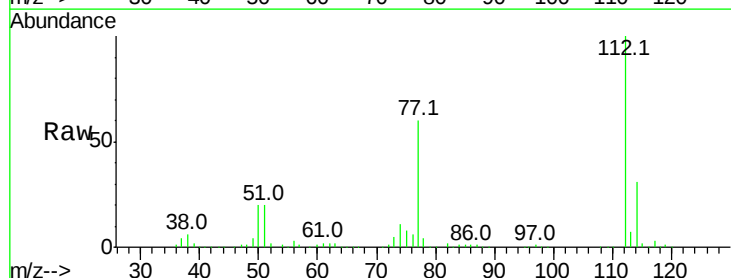
Instrument :
MSVOA_U
ClientSampleId :
VSTD01005

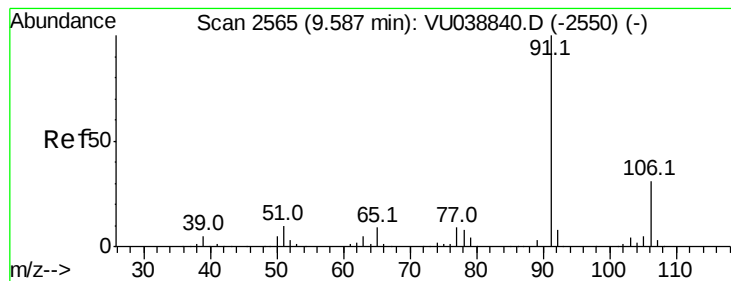
Tgt Ion:107 Resp: 163110
Ion Ratio Lower Upper
107 100
109 92.9 65.5 121.7
188 4.0 3.0 4.6



#51
Chlorobenzene
Concen: 10.689 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. 0.00 min
Lab File: VU038841.D
Acq: 12 Jun 2020 10:19

Tgt Ion:112 Resp: 592422
Ion Ratio Lower Upper
112 100
114 31.4 22.5 41.9
77 59.8 49.3 73.9





#52

Ethylbenzene

Concen: 10.837 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. 0.00 min

Lab File: VU038841.D

Acq: 12 Jun 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

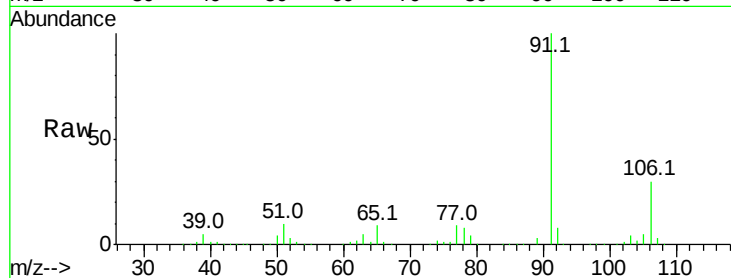
VSTD01005

Tgt Ion: 91 Resp: 1036183

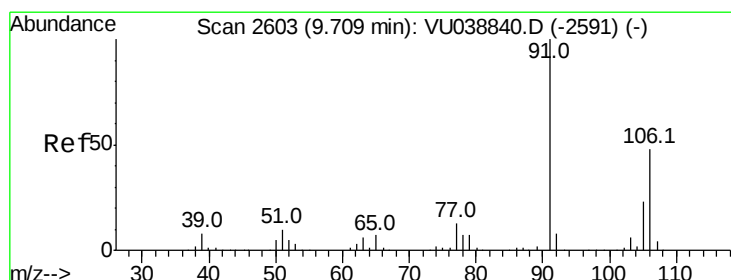
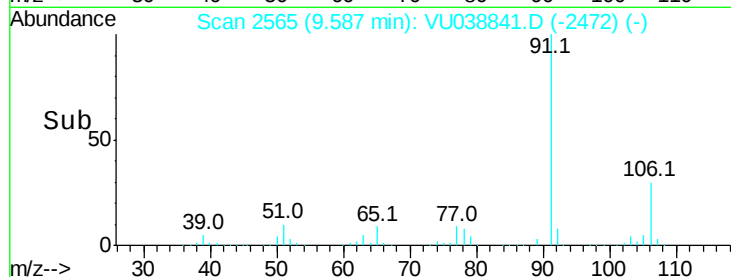
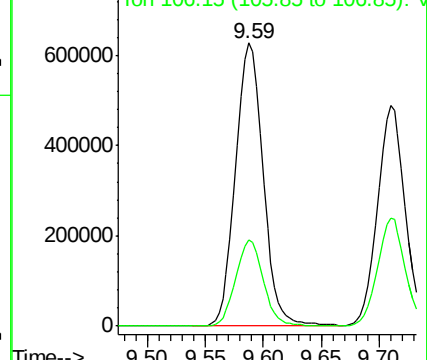
Ion Ratio Lower Upper

91 100

106 30.3 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VU038841.D (-2550) (-)



#53

m,p-Xylene

Concen: 10.960 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VU038841.D

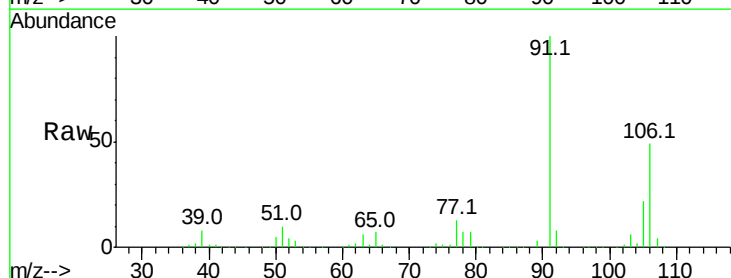
Acq: 12 Jun 2020 10:19

Tgt Ion: 106 Resp: 403008

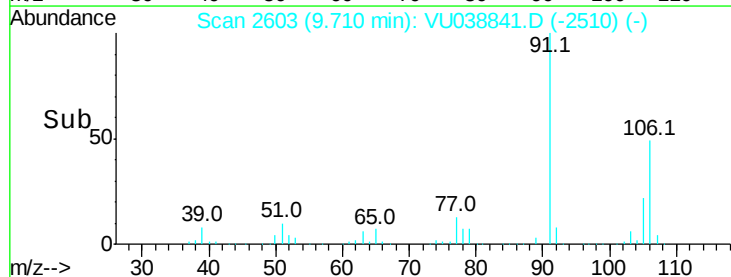
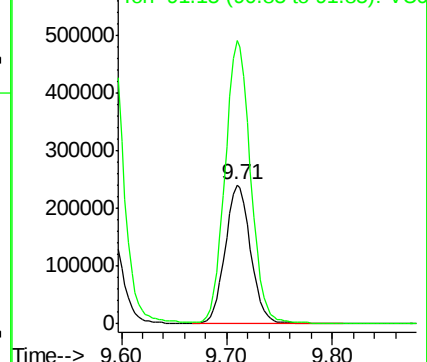
Ion Ratio Lower Upper

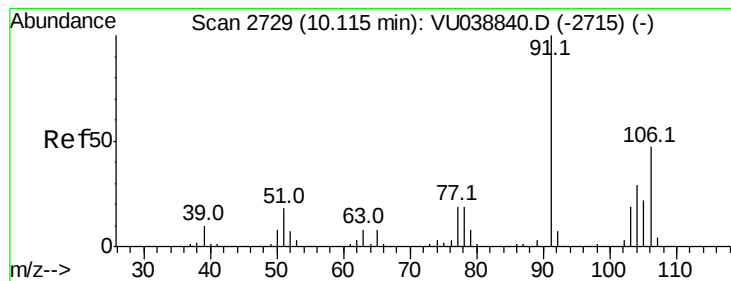
106 100

91 203.6 145.0 269.4



Abundance Ion 106.15 (105.85 to 106.85): VU038841.D (-2591) (-)





#54

o-Xylene

Concen: 10.966 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. 0.00 min

Lab File: VU038841.D

Acq: 12 Jun 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

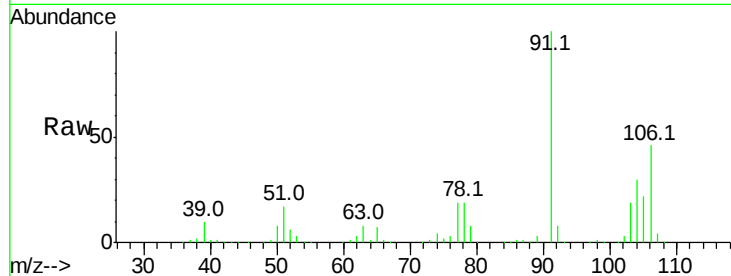
VSTD01005

Tgt Ion:106 Resp: 387091

Ion Ratio Lower Upper

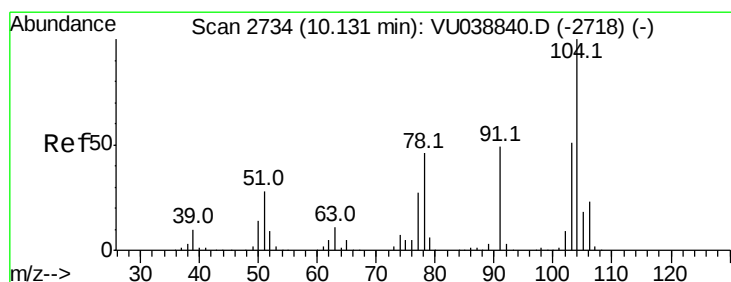
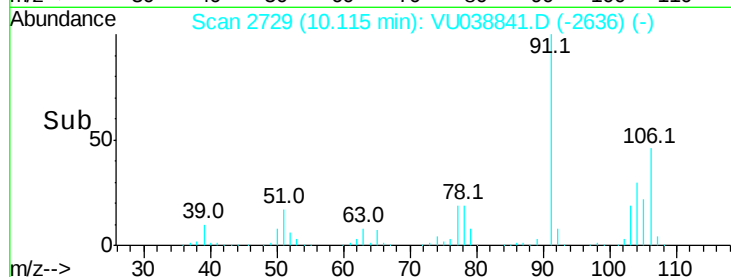
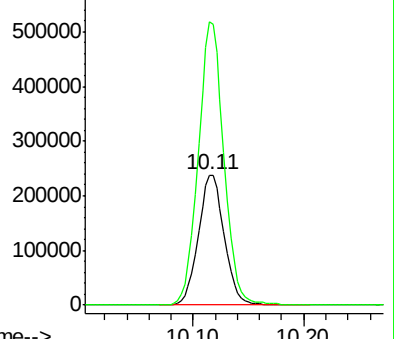
106 100

91 217.3 149.1 276.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 11.491 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU038841.D

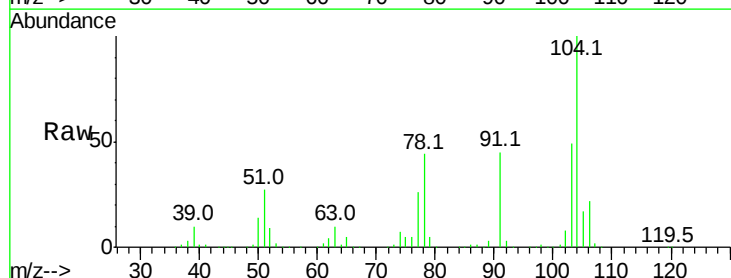
Acq: 12 Jun 2020 10:19

Tgt Ion:104 Resp: 688506

Ion Ratio Lower Upper

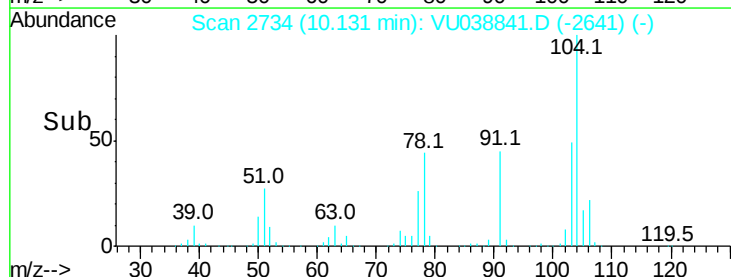
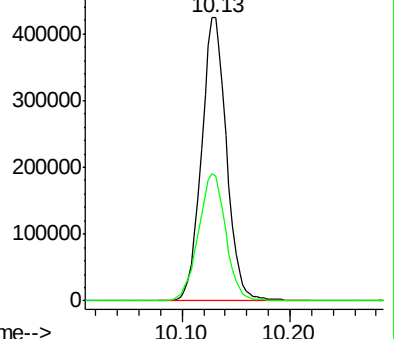
104 100

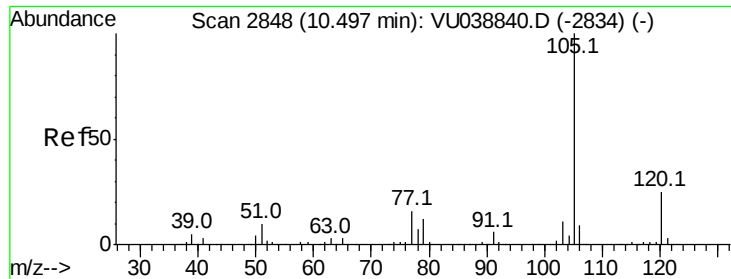
78 44.0 32.1 59.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 11.034 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. 0.00 min

Lab File: VU038841.D

Acq: 12 Jun 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD01005

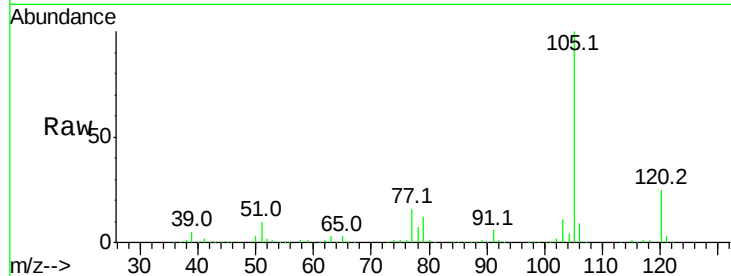
Tgt Ion:105 Resp: 1025171

Ion Ratio Lower Upper

105 100

120 25.4 20.6 30.8

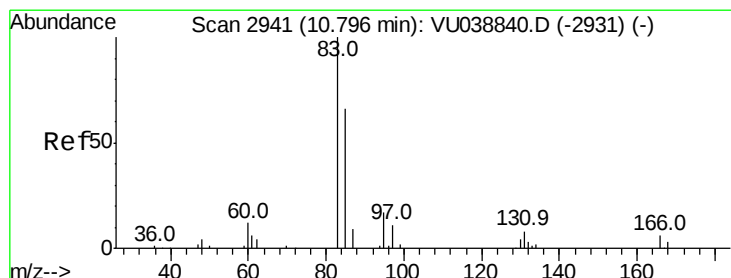
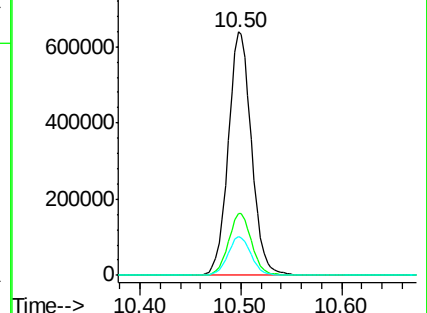
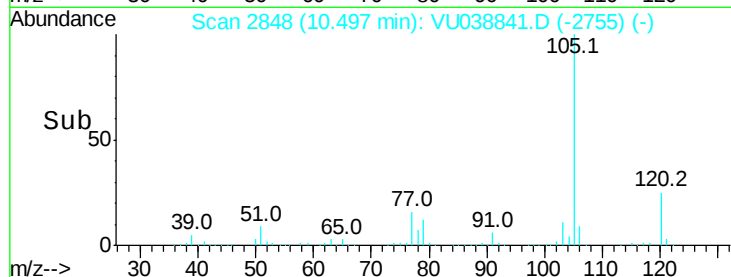
77 16.0 12.8 19.2



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: 10.419 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. 0.00 min

Lab File: VU038841.D

Acq: 12 Jun 2020 10:19

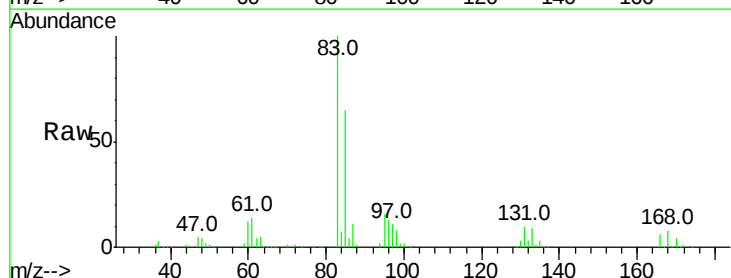
Tgt Ion: 83 Resp: 205962

Ion Ratio Lower Upper

83 100

85 64.7 46.5 86.3

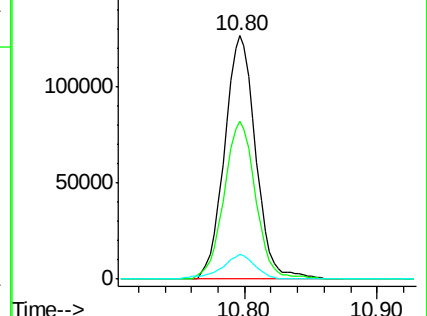
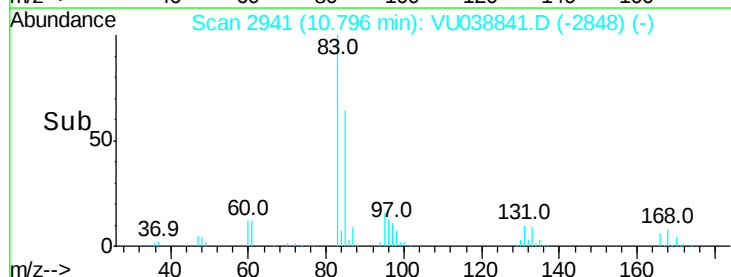
131 10.1 7.2 10.8

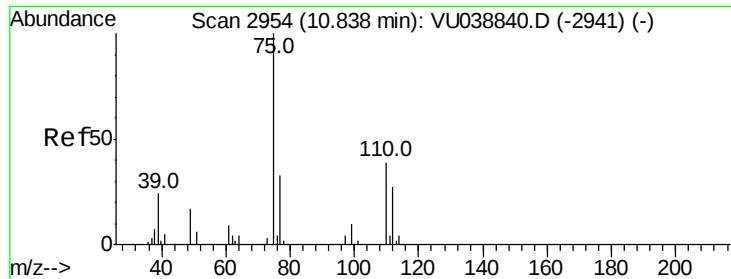


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 10.529 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. 0.00 min

Lab File: VU038841.D

Acq: 12 Jun 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

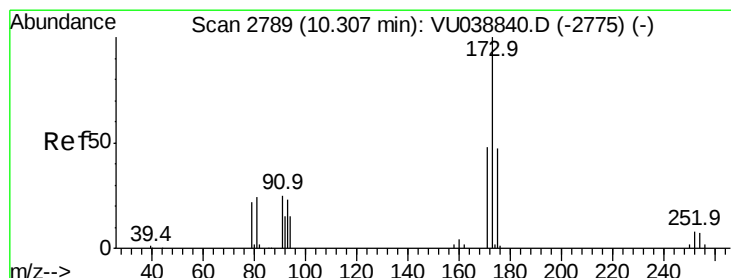
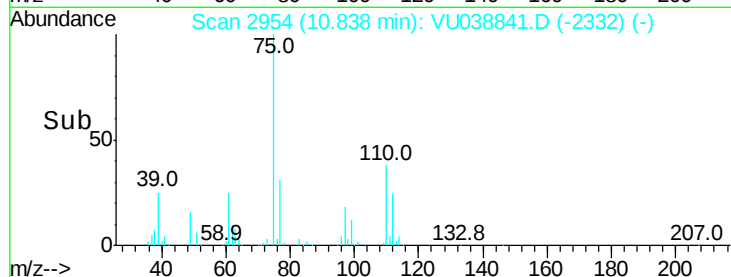
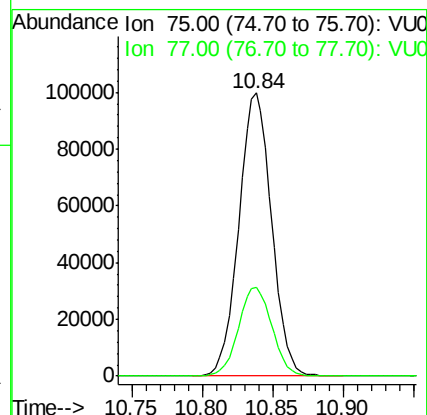
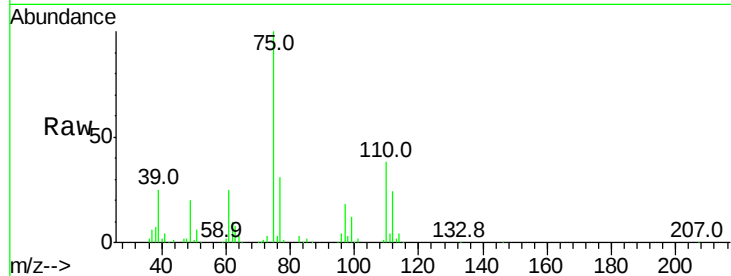
VSTD01005

Tgt Ion: 75 Resp: 162034

Ion Ratio Lower Upper

75 100

77 32.1 25.8 38.8



#61

Bromoform

Concen: 11.325 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. 0.00 min

Lab File: VU038841.D

Acq: 12 Jun 2020 10:19

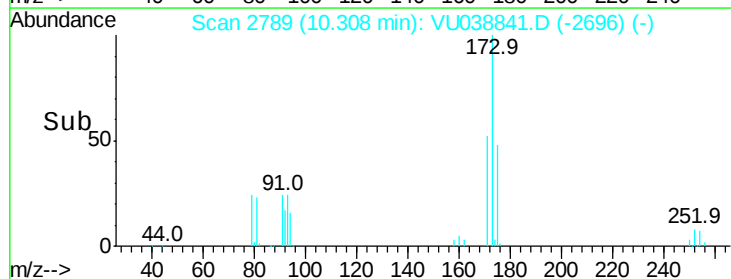
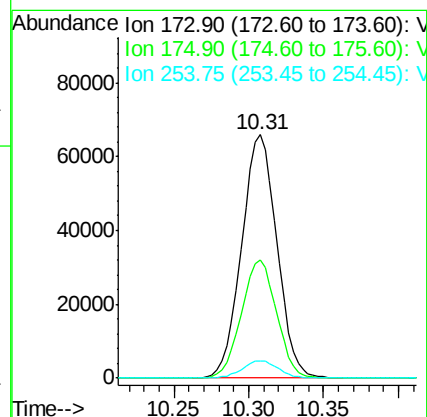
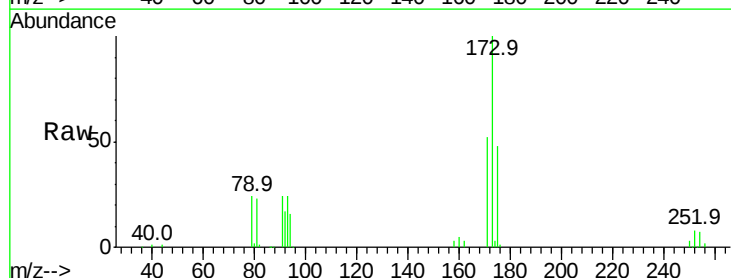
Tgt Ion: 173 Resp: 108344

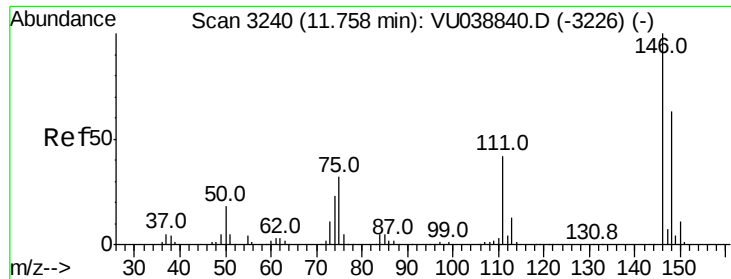
Ion Ratio Lower Upper

173 100

175 48.1 38.3 57.5

254 7.3 6.0 9.0

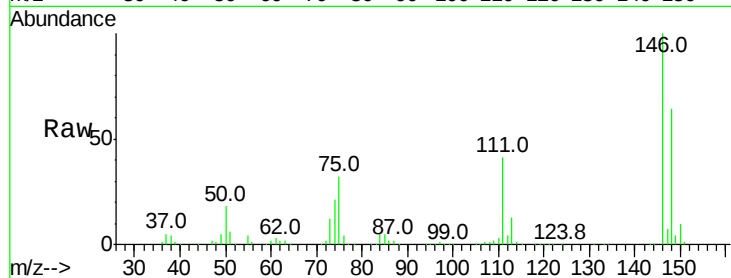




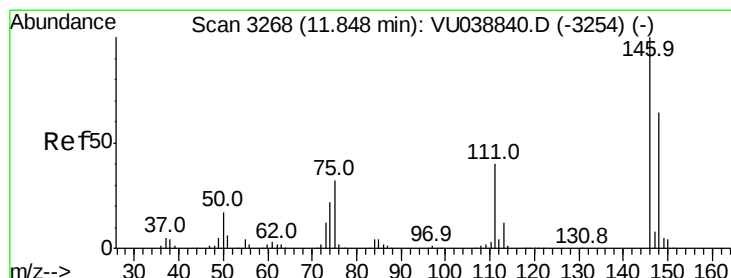
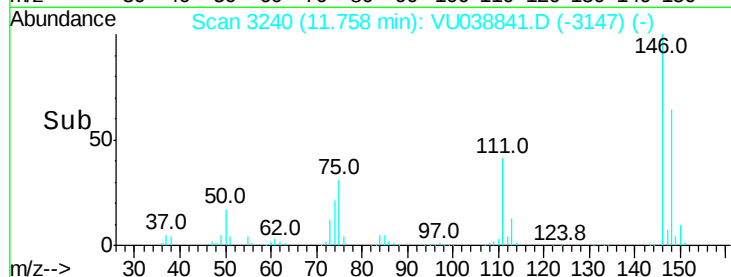
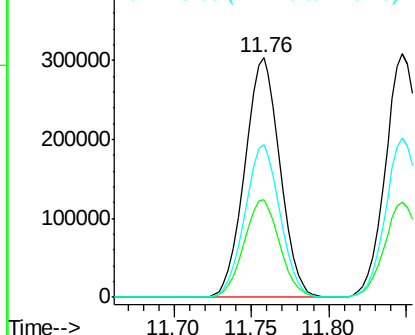
#62
 1,3-Dichlorobenzene
 Concen: 10.641 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU038841.D
 Acq: 12 Jun 2020 10:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

Tgt Ion:146 Resp: 480131
 Ion Ratio Lower Upper
 146 100
 111 40.6 29.5 54.9
 148 63.9 43.8 81.3

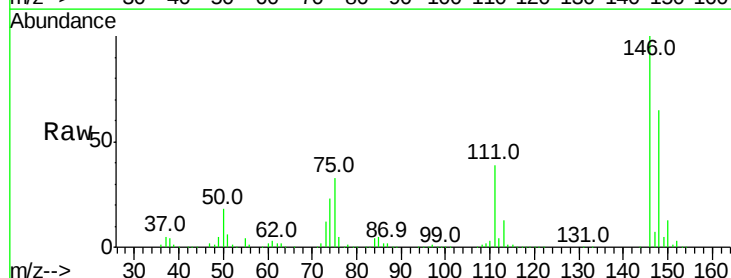


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

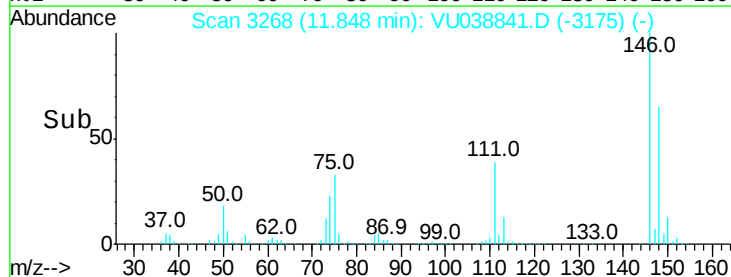
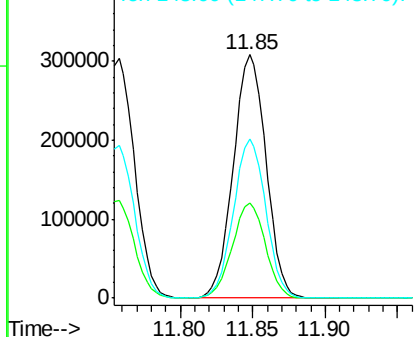


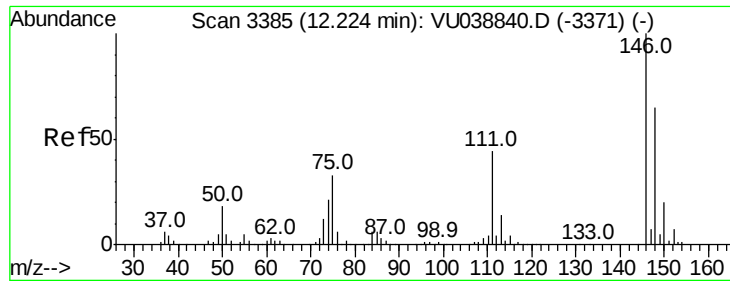
#63
 1,4-Dichlorobenzene
 Concen: 10.579 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. 0.00 min
 Lab File: VU038841.D
 Acq: 12 Jun 2020 10:19

Tgt Ion:146 Resp: 484033
 Ion Ratio Lower Upper
 146 100
 111 38.9 27.9 51.9
 148 65.2 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: 10.631 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. 0.00 min

Lab File: VU038841.D

Acq: 12 Jun 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD01005

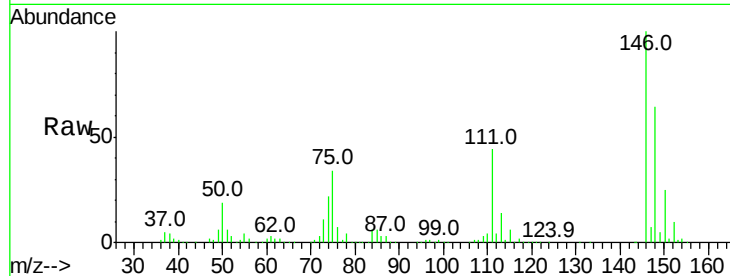
Tgt Ion:146 Resp: 455475

Ion Ratio Lower Upper

146 100

111 43.5 35.6 53.4

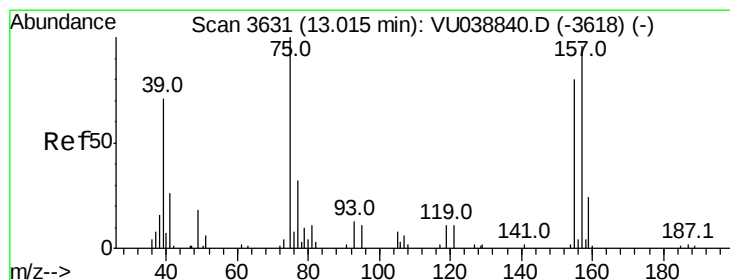
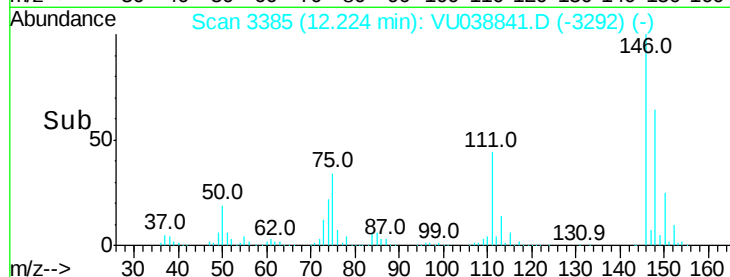
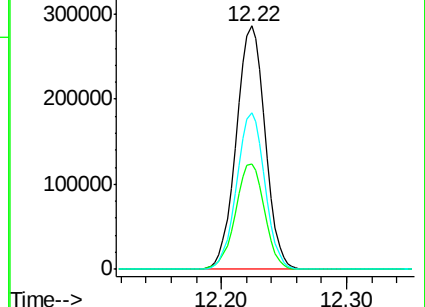
148 64.1 51.8 77.8



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: 10.726 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VU038841.D

Acq: 12 Jun 2020 10:19

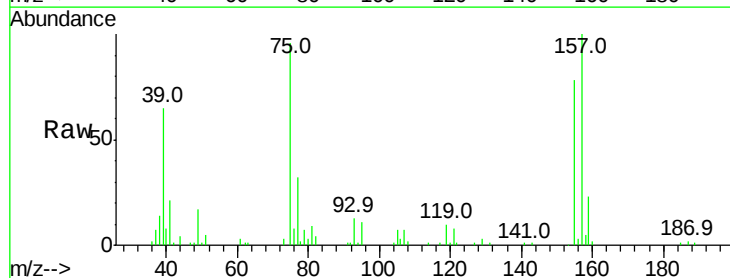
Tgt Ion: 75 Resp: 37208

Ion Ratio Lower Upper

75 100

155 81.3 63.7 95.5

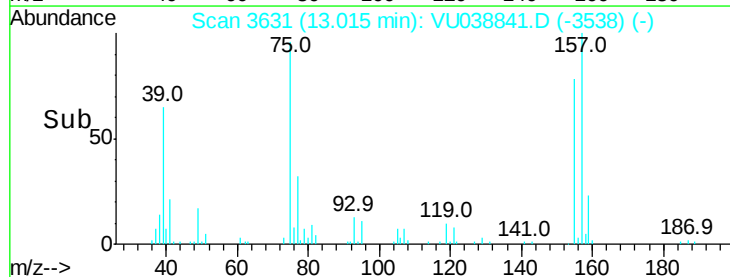
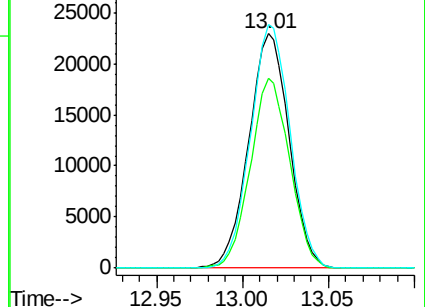
157 103.9 77.1 115.7

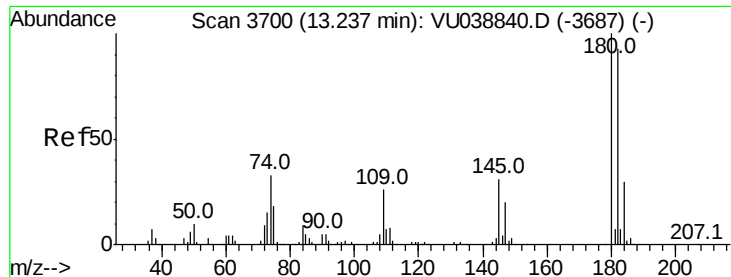


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

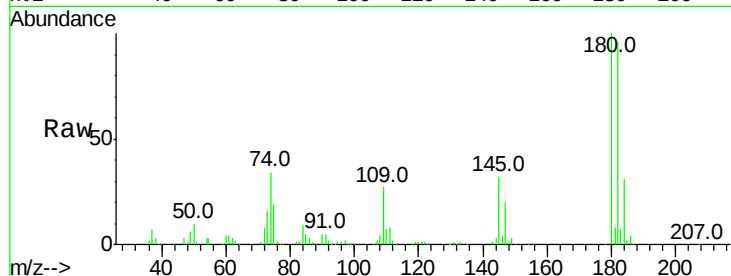




#67
 1,3,5-Trichlorobenzene
 Concen: 10.566 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. 0.00 min
 Lab File: VU038841.D
 Acq: 12 Jun 2020 10:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.0	112.4
184	31.2	23.7	35.5
145	30.6	24.6	36.8

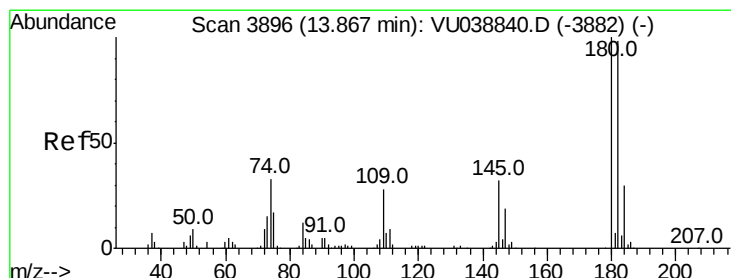
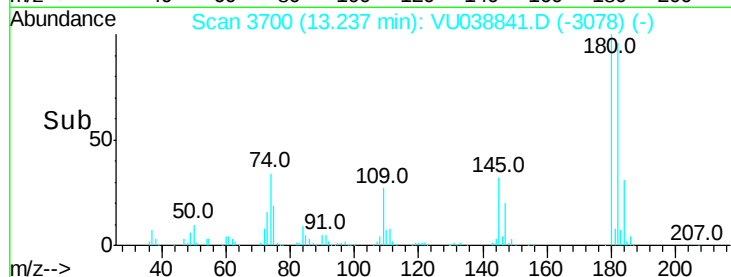
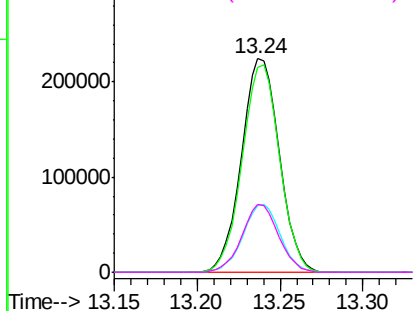


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

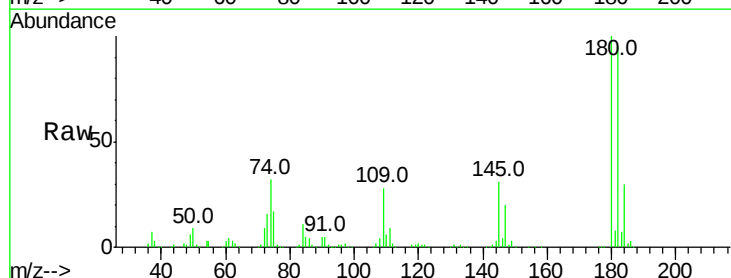
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 10.379 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU038841.D
 Acq: 12 Jun 2020 10:19

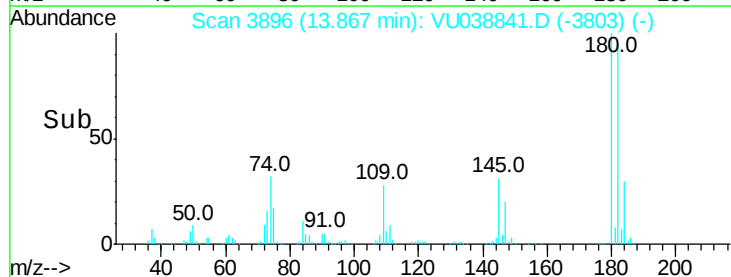
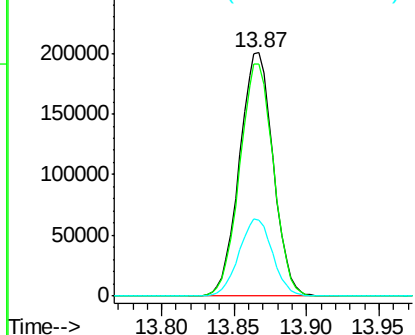
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	78.5	117.7
145	31.5	25.0	37.4

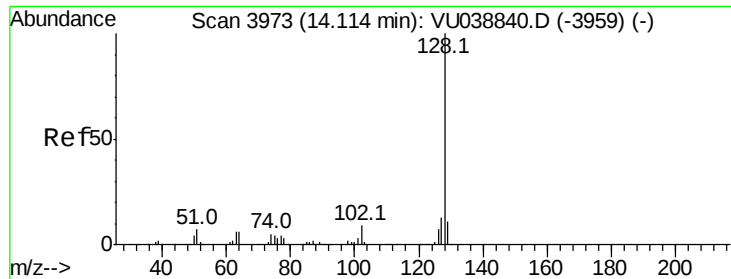


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 10.549 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU038841.D

Acq: 12 Jun 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD01005

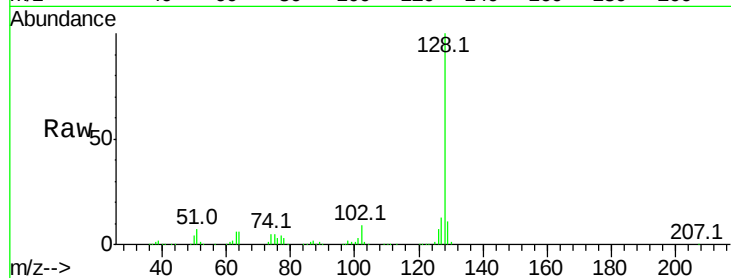
Tgt Ion:128 Resp: 654125

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

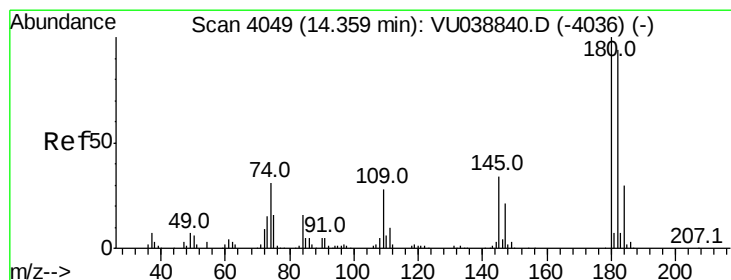
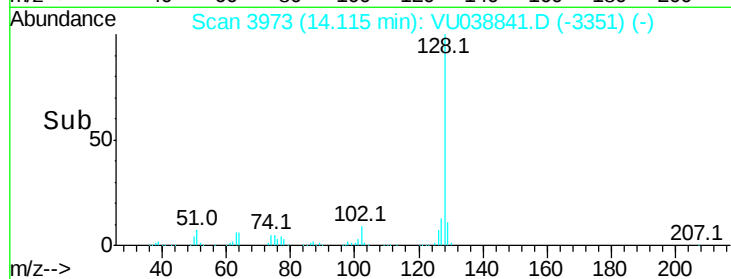
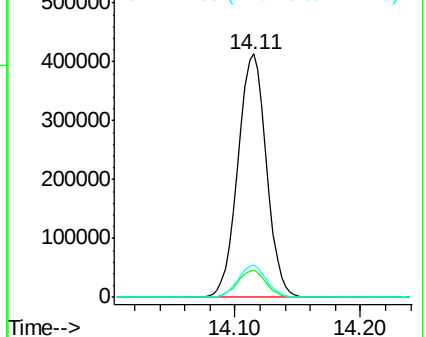
127 13.3 10.5 15.7



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: 10.770 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. 0.00 min

Lab File: VU038841.D

Acq: 12 Jun 2020 10:19

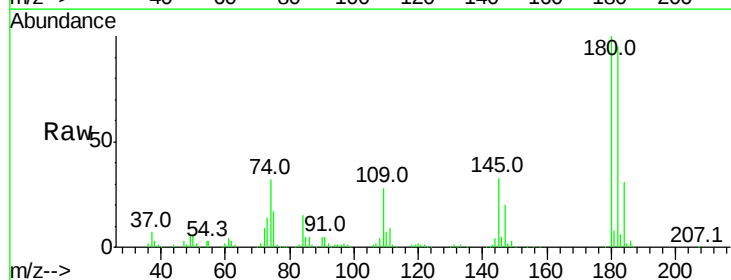
Tgt Ion:180 Resp: 305344

Ion Ratio Lower Upper

180 100

182 95.9 76.1 114.1

145 33.1 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

