

Data File : VU038032.D
Acq On : 07 May 2020 11:30
Operator : JC/MD
Sample : VSTD020
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD02004

Quant Time: May 07 11:48:10 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 07 11:12:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	364198	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	360799	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	180638	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	686240	24.90	ug/L	0.00
7) Chloroethane-d5	1.93	69	578954	24.89	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	1130304	23.08	ug/L	0.00
20) 2-Butanone-d5	4.67	46	1648915	217.86	ug/L	0.00
24) Chloroform-d	5.10	84	1023983	23.28	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	562347	22.23	ug/L	0.00
32) Benzene-d6	5.76	84	2169413	22.19	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	702697	22.15	ug/L	0.00
41) Toluene-d8	7.92	98	1963304	22.18	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	290427	20.37	ug/L	0.00
46) 2-Hexanone-d5	8.65	63	1349685	185.02	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	557444	22.27	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	691130	21.44	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	713239	22.575 ug/L	99
3) Chloromethane	1.53	50	820348	21.001 ug/L	98
5) Vinyl chloride	1.62	62	833909	21.730 ug/L	98
6) Bromomethane	1.87	94	463047	21.016 ug/L	100
8) Chloroethane	1.95	64	506400	22.474 ug/L	99
9) Trichlorofluoromethane	2.15	101	842046	20.449 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	529145	22.070 ug/L	99
12) 1,1-Dichloroethene	2.60	96	529097	21.052 ug/L	92
13) Acetone	2.67	43	976979	195.778 ug/L	99
14) Carbon disulfide	2.82	76	1883446	20.524 ug/L	100
15) Methyl Acetate	2.98	43	272780	19.660 ug/L	99
16) Methylene chloride	3.08	84	591745	20.884 ug/L	98
17) Methyl tert-butyl Ether	3.40	73	1485661	20.414 ug/L	99
18) trans-1,2-Dichloroethene	3.38	96	574416	21.082 ug/L	98
19) 1,1-Dichloroethane	3.91	63	1103198	20.932 ug/L	99
21) 2-Butanone	4.75	43	1816309	200.326 ug/L	99
22) cis-1,2-Dichloroethene	4.70	96	623451	21.177 ug/L	100
23) Bromochloromethane	5.01	128	266929	21.392 ug/L	94
25) Chloroform	5.12	83	1037491	20.723 ug/L	98
27) 1,2-Dichloroethane	5.83	62	715169	21.134 ug/L	99
29) 1,1,1-Trichloroethane	5.35	97	871134	19.899 ug/L	100
30) Cyclohexane	5.42	56	1077858	19.892 ug/L	99
31) Carbon tetrachloride	5.56	117	710216	20.358 ug/L	99
33) Benzene	5.81	78	2398815	20.123 ug/L	100
34) Trichloroethene	6.57	95	592290	20.217 ug/L	98
35) Methylcyclohexane	6.79	83	1078230	21.000 ug/L	95
37) 1,2-Dichloropropane	6.82	63	640200	20.249 ug/L	99
38) Bromodichloromethane	7.13	83	765810	20.371 ug/L	100
39) cis-1,3-Dichloropropene	7.63	75	992770	20.060 ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	4513524	194.184 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	2531455	20.273	ug/L	98
44) trans-1,3-Dichloropropene	8.23	75	844908	19.666	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	445229	20.898	ug/L	97
47) Tetrachloroethene	8.57	164	424027	20.142	ug/L	99
48) 2-Hexanone	8.71	43	3308102	198.784	ug/L	100
49) Dibromochloromethane	8.83	129	494687	20.317	ug/L	97
50) 1,2-Dibromoethane	8.94	107	423331	20.664	ug/L	100
51) Chlorobenzene	9.47	112	1573997	20.660	ug/L	100
52) Ethylbenzene	9.59	91	2867376	20.640	ug/L	100
53) m,p-Xylene	9.71	106	1099383	20.909	ug/L	99
54) o-Xylene	10.12	106	1075679	20.787	ug/L	100
55) Styrene	10.13	104	1848662	20.898	ug/L	100
56) Isopropylbenzene	10.50	105	2801375	20.638	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	575960	20.767	ug/L	97
59) 1,2,3-Trichloropropane	10.84	75	426186	20.596	ug/L	99
61) Bromoform	10.31	173	271047	18.885	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	1234089	20.397	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	1222861	20.155	ug/L	98
65) 1,2-Dichlorobenzene	12.22	146	1153964	20.262	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.01	75	95346	18.060	ug/L	94
67) 1,3,5-Trichlorobenzene	13.24	180	916248	20.651	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	848192	20.828	ug/L	98
69) Naphthalene	14.11	128	1794430	21.758	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	764147	21.060	ug/L	99

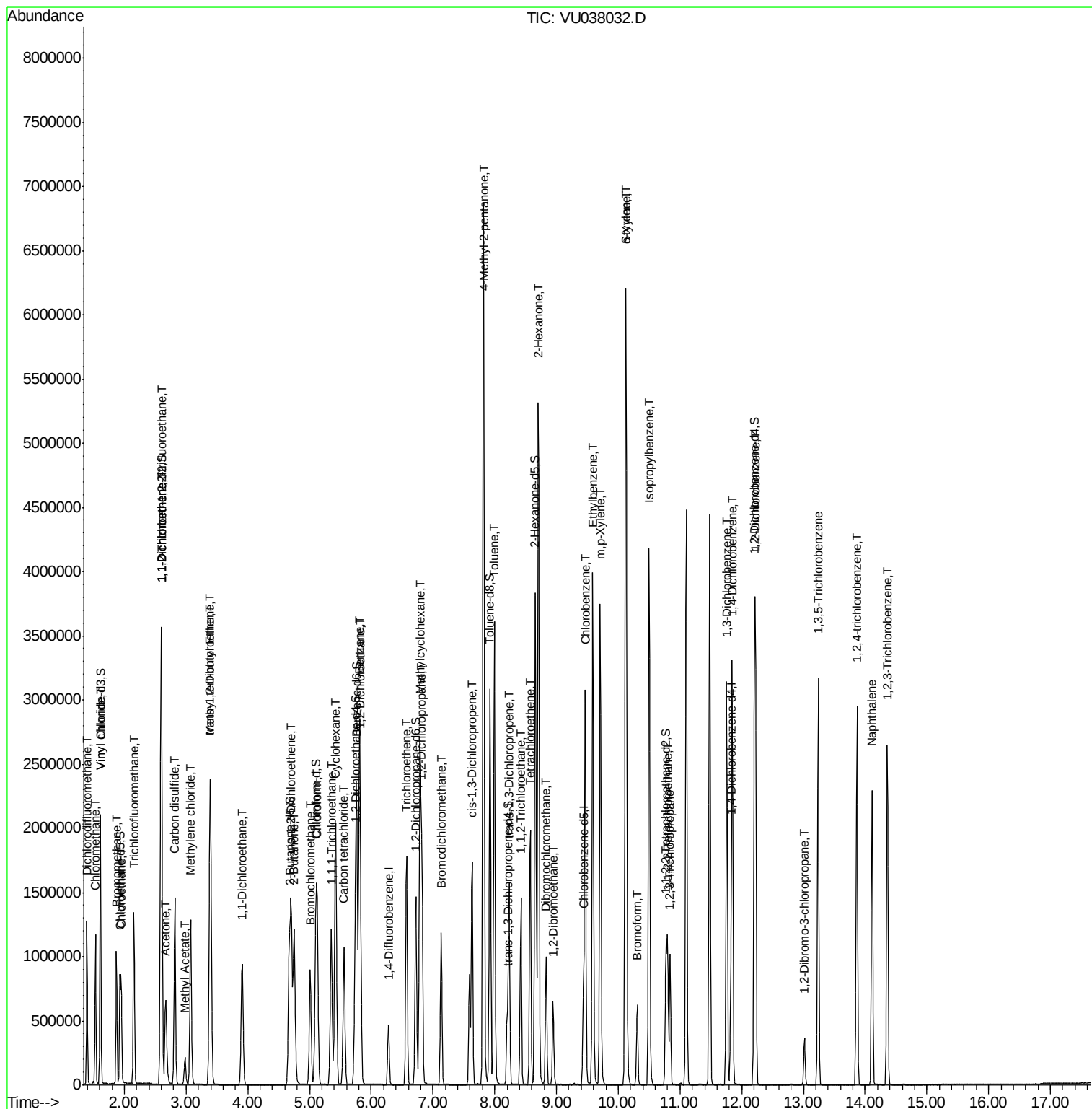
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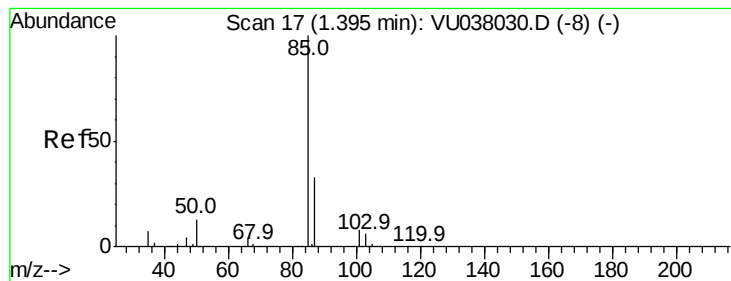
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#2

Dichlorodifluoromethane

Concen: 22.575 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038032.D

Acq: 07 May 2020 11:30

Instrument :

MSVOA_U

ClientSampleId :

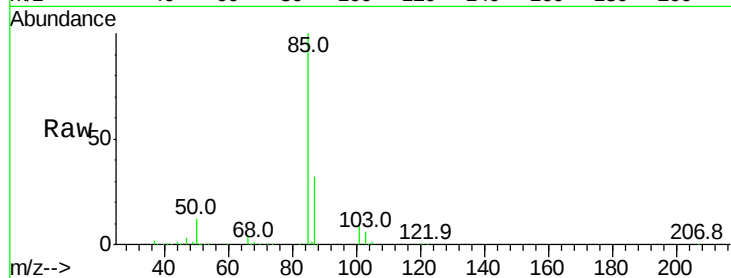
VSTD02004

Tgt Ion: 85 Resp: 713239

Ion Ratio Lower Upper

85 100

87 32.2 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU038030.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU038030.D (-8) (-)

1.39

800000

600000

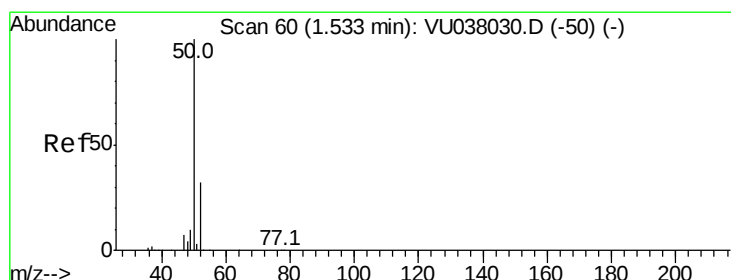
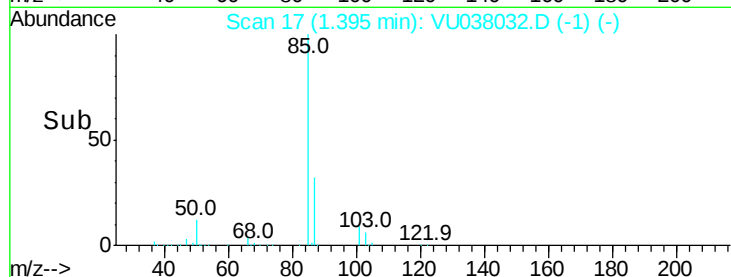
400000

200000

0

1.35 1.40 1.45

Time-->



#3

Chloromethane

Concen: 21.001 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU038032.D

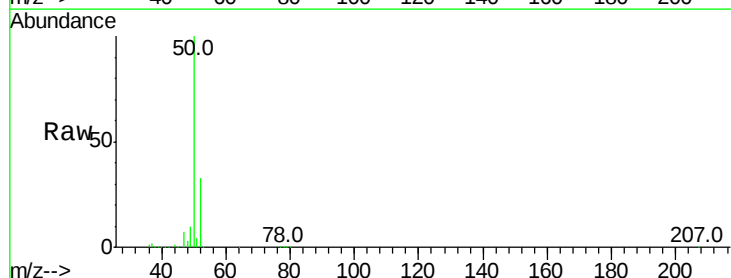
Acq: 07 May 2020 11:30

Tgt Ion: 50 Resp: 820348

Ion Ratio Lower Upper

50 100

52 33.0 22.5 41.7



Abundance Ion 50.05 (49.75 to 50.75): VU038030.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU038030.D (-50) (-)

1.53

800000

600000

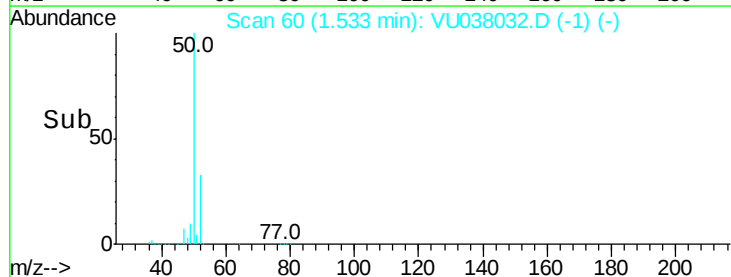
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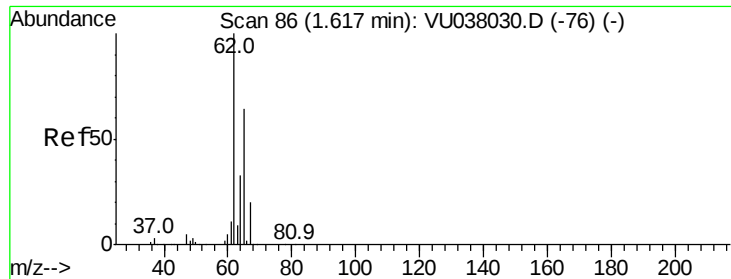
200000

0

1.50 1.55 1.60

Time-->





#5

Vinyl chloride

Concen: 21.730 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038032.D

Acq: 07 May 2020 11:30

Instrument :

MSVOA_U

ClientSampleId :

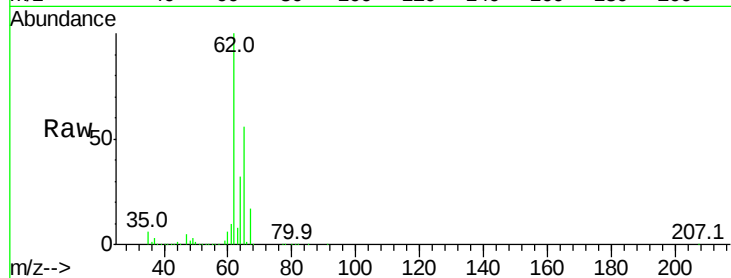
VSTD02004

Tgt Ion: 62 Resp: 833909

Ion Ratio Lower Upper

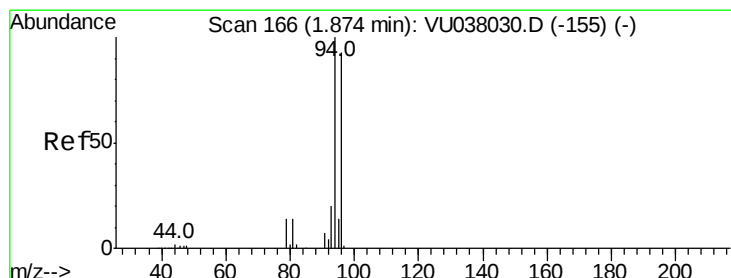
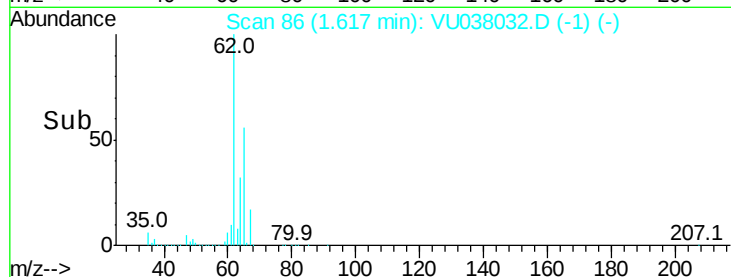
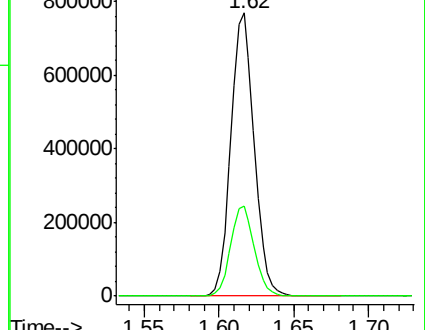
62 100

64 31.7 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU038032.D (-76) (-)

Ion 64.10 (63.80 to 64.80): VU038032.D (-76) (-)



#6

Bromomethane

Concen: 21.016 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU038032.D

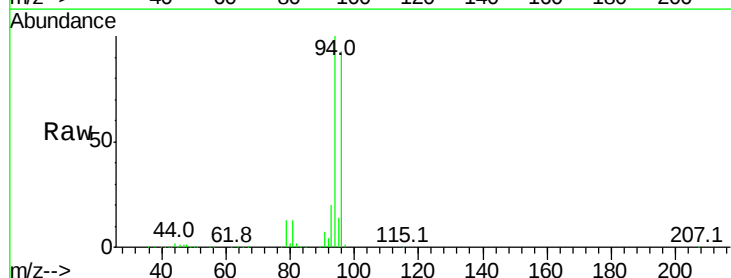
Acq: 07 May 2020 11:30

Tgt Ion: 94 Resp: 463047

Ion Ratio Lower Upper

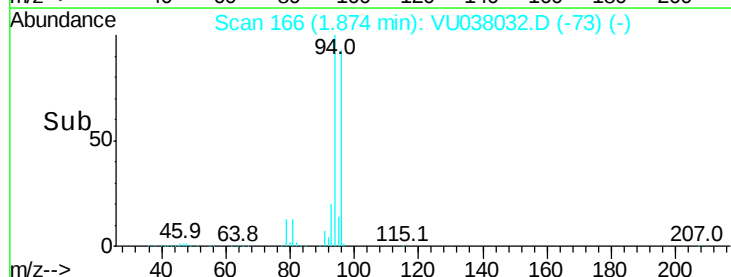
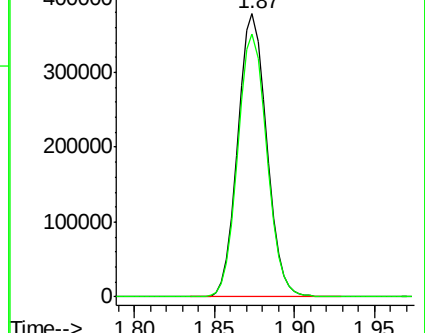
94 100

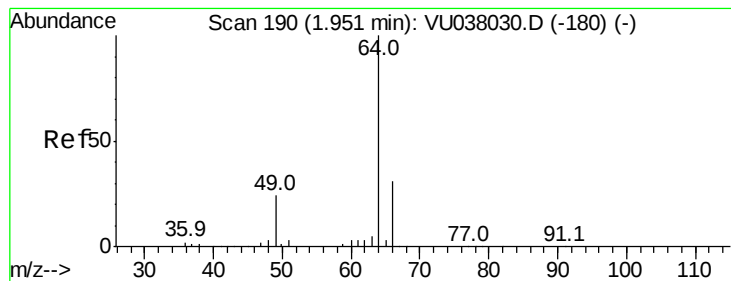
96 92.9 65.0 120.8



Abundance Ion 94.00 (93.70 to 94.70): VU038032.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU038032.D (-155) (-)





#8

Chloroethane

Concen: 22.474 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU038032.D

Acq: 07 May 2020 11:30

Instrument :

MSVOA_U

ClientSampleId :

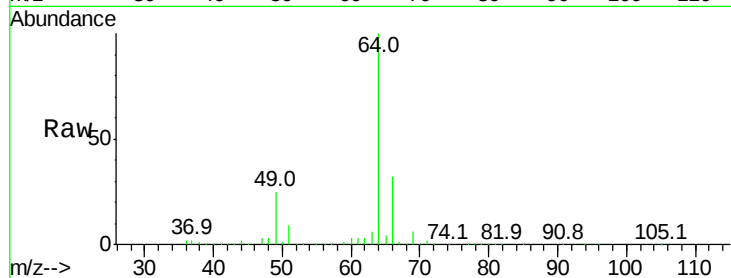
VSTD02004

Tgt Ion: 64 Resp: 506400

Ion Ratio Lower Upper

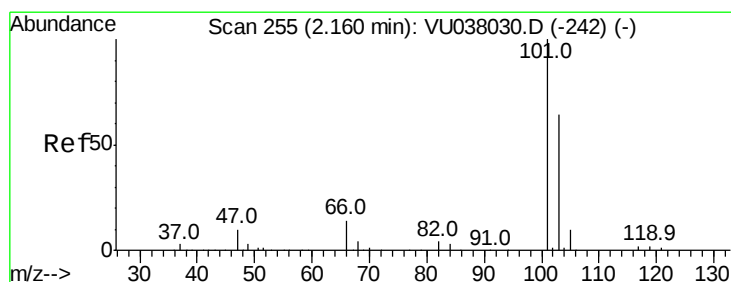
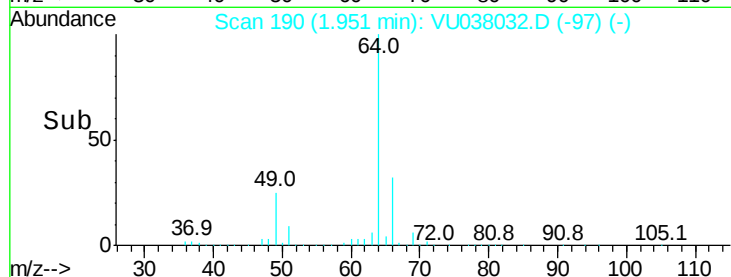
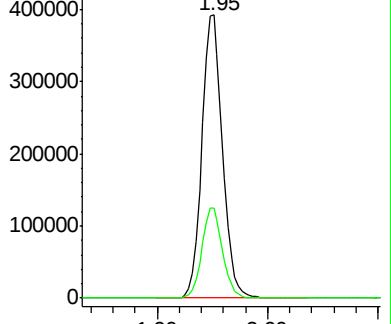
64 100

66 31.9 21.8 40.4



Abundance Ion 64.10 (63.80 to 64.80): VU038032.D (-180) (-)

Ion 66.05 (65.75 to 66.75): VU038032.D (-180) (-)



#9

Trichlorofluoromethane

Concen: 20.449 ug/L

RT: 2.15 min Scan# 253

Delta R.T. -0.01 min

Lab File: VU038032.D

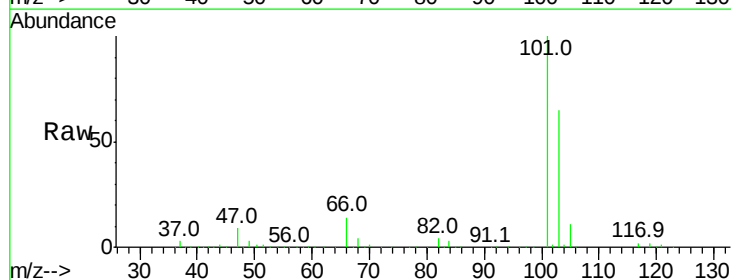
Acq: 07 May 2020 11:30

Tgt Ion: 101 Resp: 842046

Ion Ratio Lower Upper

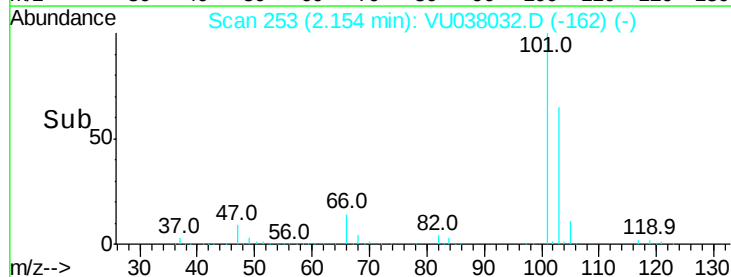
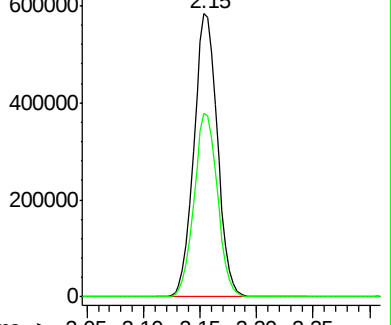
101 100

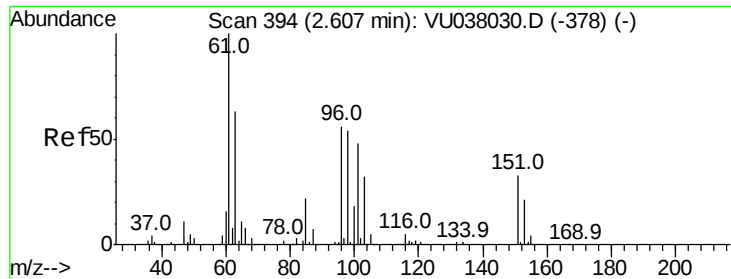
103 64.6 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU038032.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU038032.D (-242) (-)





#10

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

Concen: 22.070 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038032.D

Acq: 07 May 2020 11:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD02004

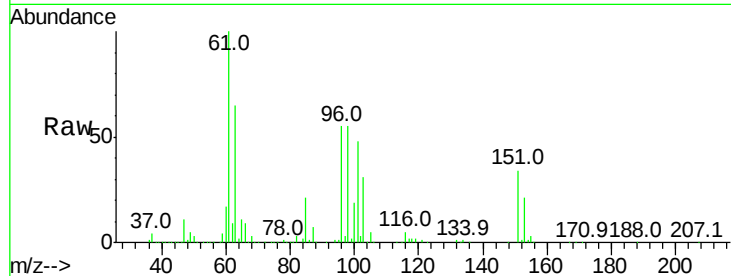
Tgt Ion:101 Resp: 529145

Ion Ratio Lower Upper

101 100

85 43.8 35.3 52.9

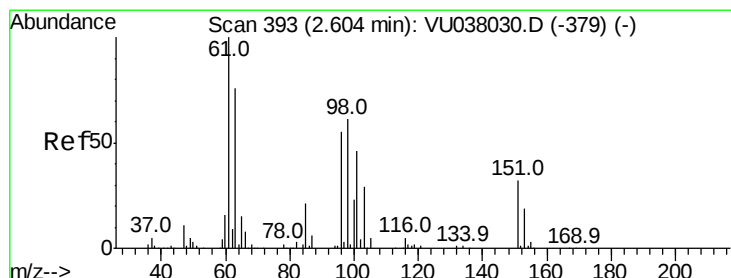
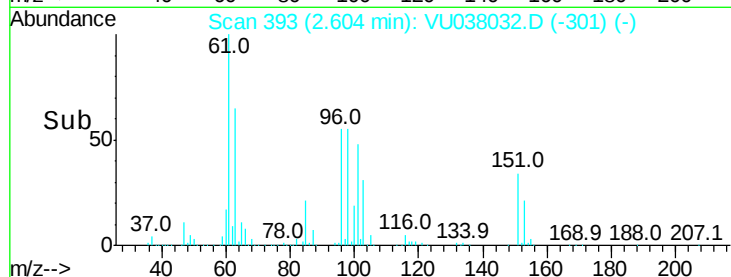
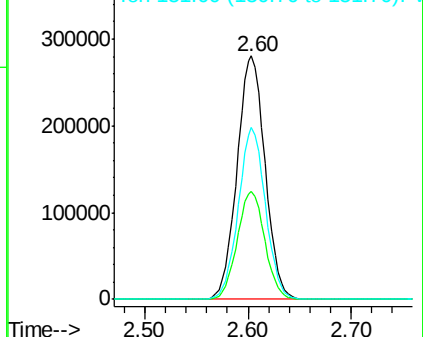
151 68.4 54.2 81.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 21.052 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU038032.D

Acq: 07 May 2020 11:30

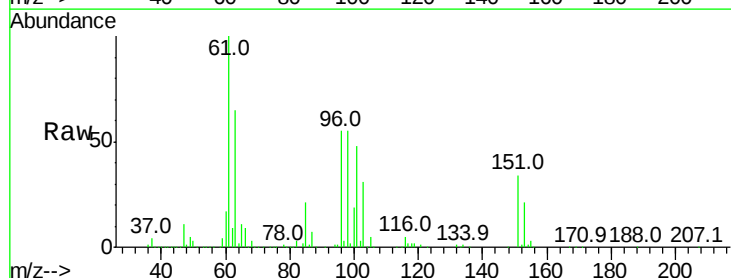
Tgt Ion: 96 Resp: 529097

Ion Ratio Lower Upper

96 100

61 180.3 126.2 234.4

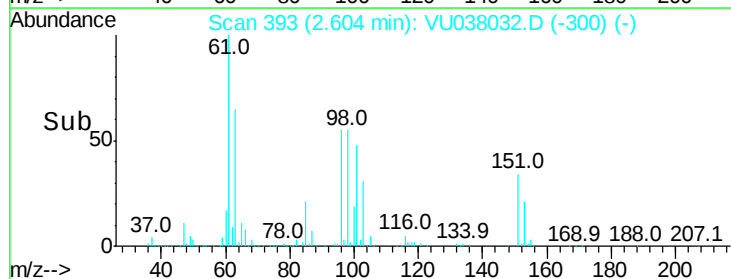
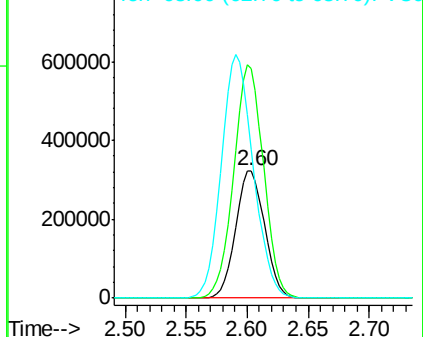
63 116.9 96.9 179.9

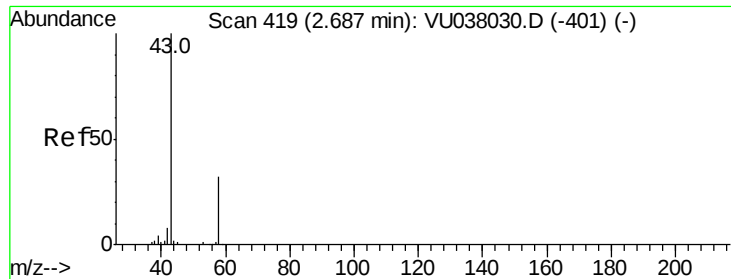


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 195.778 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.02 min

Lab File: VU038032.D

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ClientSampleId :

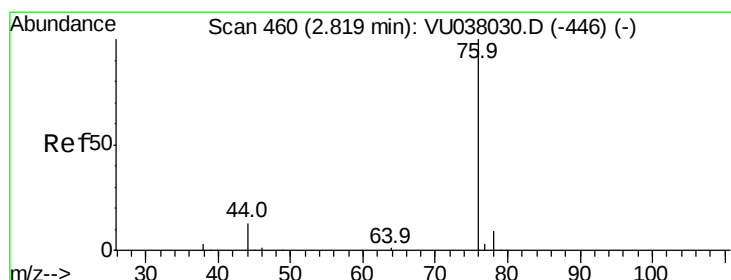
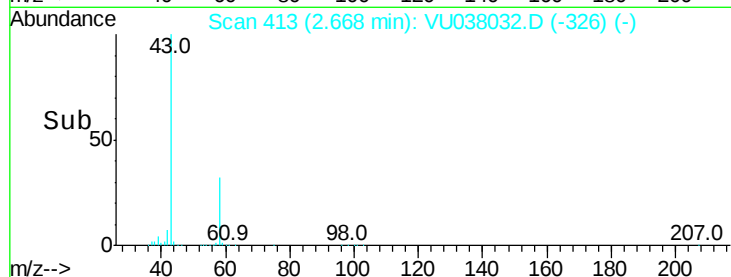
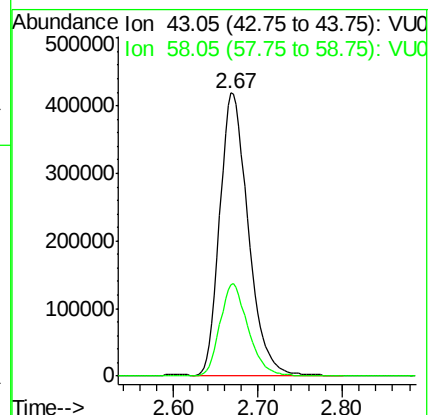
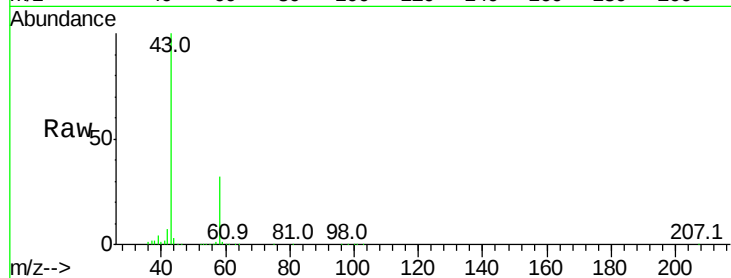
VSTD02004

Tgt Ion: 43 Resp: 976979

Ion Ratio Lower Upper

43 100

58 32.2 0.0 63.6



#14

Carbon disulfide

Concen: 20.524 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU038032.D

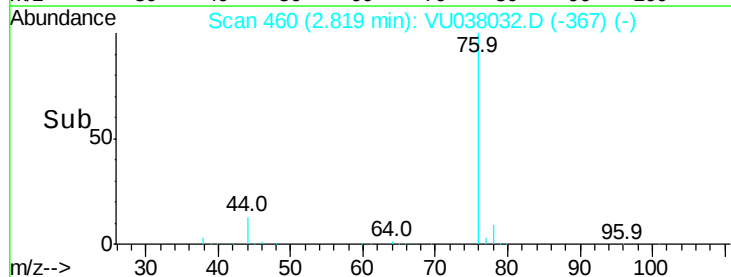
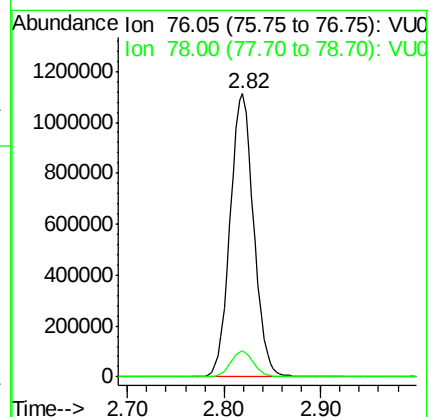
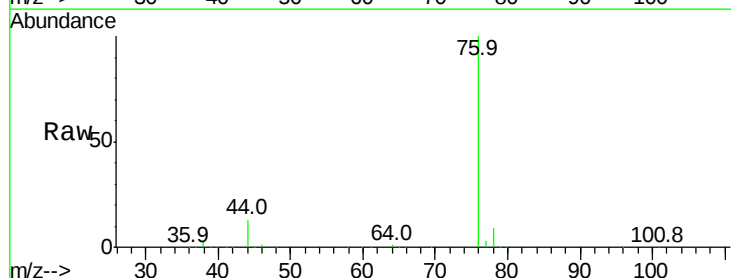
Acq: 07 May 2020 11:30

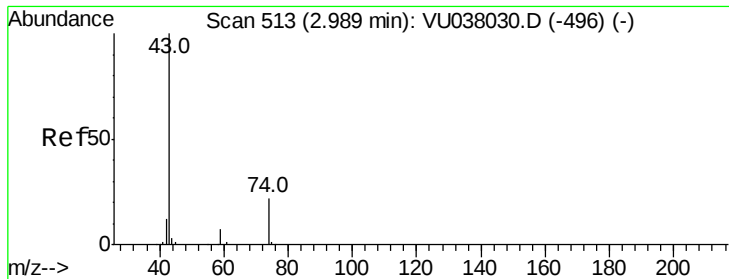
Tgt Ion: 76 Resp: 1883446

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7





#15

Methyl Acetate

Concen: 19.660 ug/L

RT: 2.98 min Scan# 511

Delta R.T. -0.01 min

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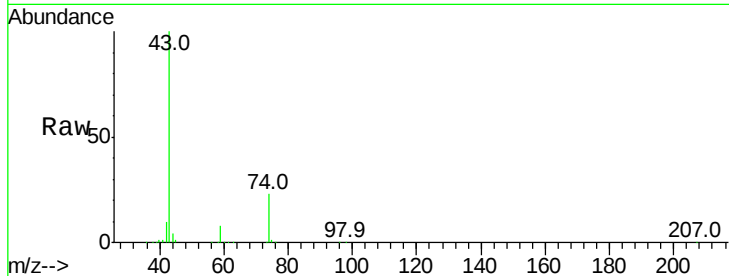
VSTD02004

Tgt Ion: 43 Resp: 272780

Ion Ratio Lower Upper

43 100

74 22.8 18.0 27.0



Abundance Ion 43.05 (42.75 to 43.75): VU038032.D (-496) (-)

Ion 74.05 (73.75 to 74.75): VU038032.D (-496) (-)

2.98

150000

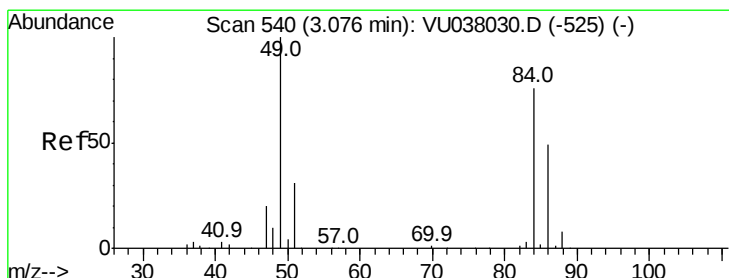
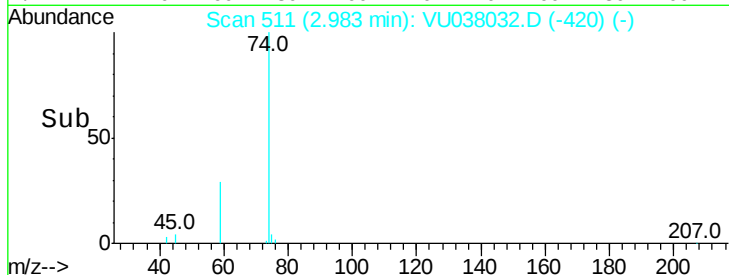
100000

50000

0

2.90 2.95 3.00 3.05

Time-->



#16

Methylene chloride

Concen: 20.884 ug/L

RT: 3.08 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU038032.D

Acq: 07 May 2020 11:30

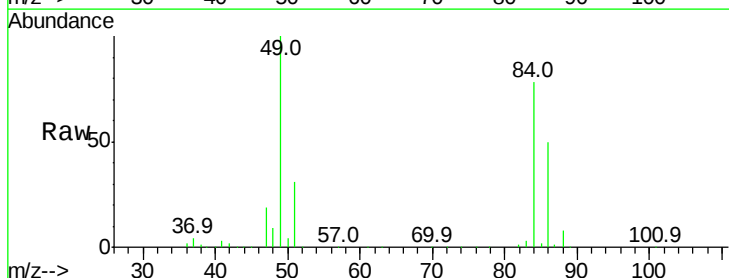
Tgt Ion: 84 Resp: 591745

Ion Ratio Lower Upper

84 100

86 64.6 44.9 83.3

49 128.9 92.0 170.9



Abundance Ion 84.05 (83.75 to 84.75): VU038032.D (-525) (-)

Ion 86.00 (85.70 to 86.70): VU038032.D (-525) (-)

Ion 49.10 (48.80 to 49.80): VU038032.D (-525) (-)

500000

400000

300000

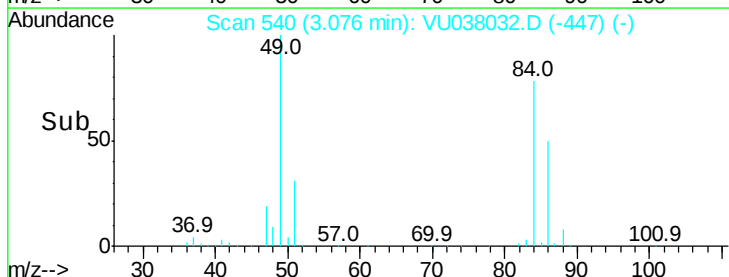
200000

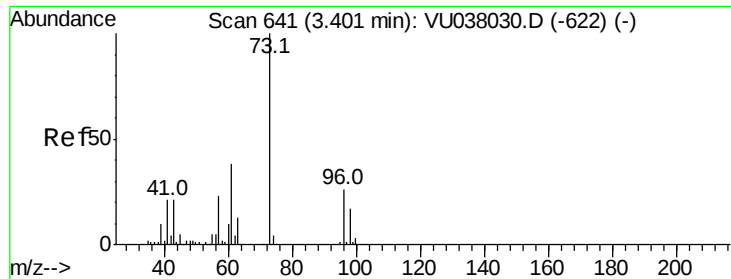
100000

0

3.00 3.10 3.20

Time-->

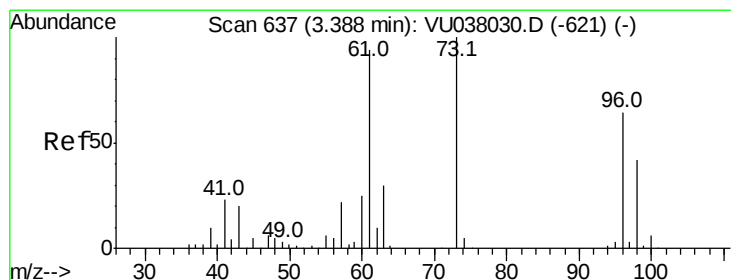
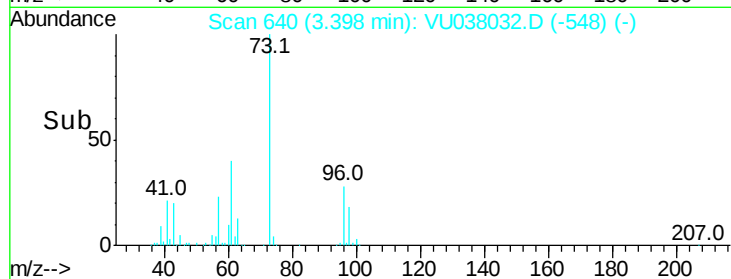
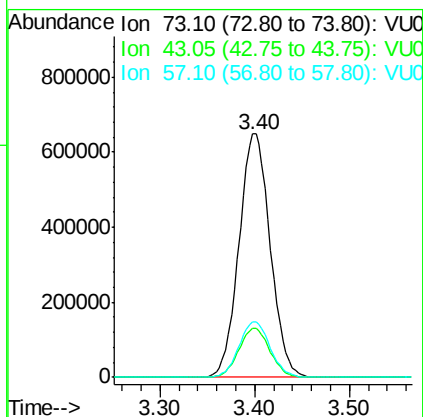
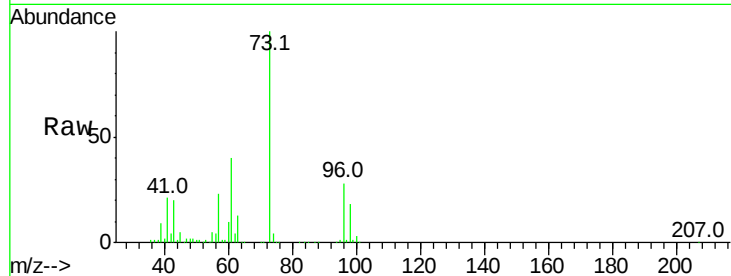




#17
Methyl tert-butyl Ether
Concen: 20.414 ug/L
RT: 3.40 min Scan# 640
Delta R.T. -0.00 min
Lab File: VU038032.D
Acq: 07 May 2020 11:30

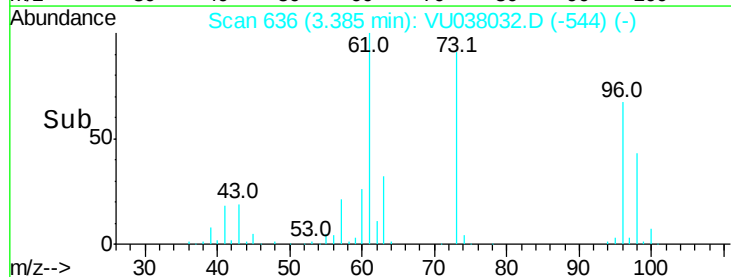
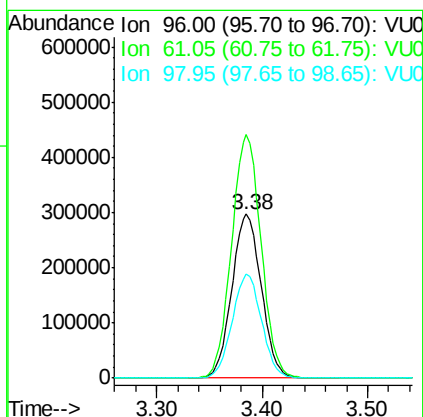
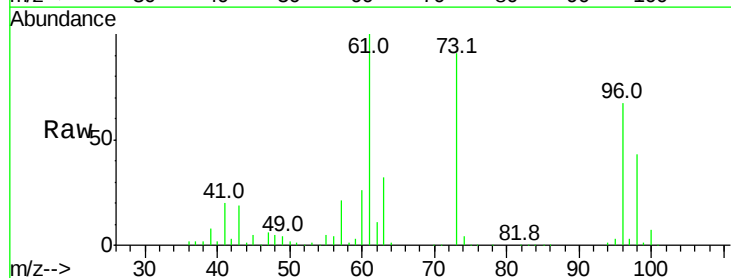
Instrument :
MSVOA_U
ClientSampleId :
VSTD02004

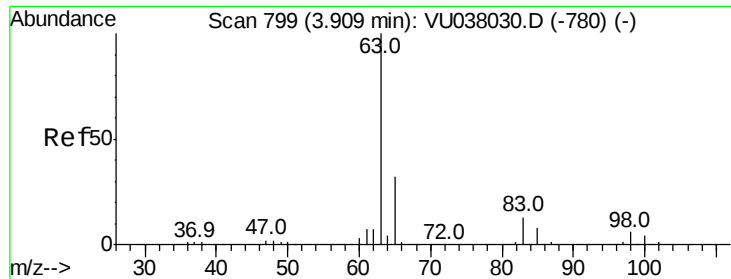
Tgt Ion: 73 Resp: 1485661
Ion Ratio Lower Upper
73 100
43 20.1 16.9 25.3
57 22.8 18.2 27.2



#18
trans-1,2-Dichloroethene
Concen: 21.082 ug/L
RT: 3.38 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU038032.D
Acq: 07 May 2020 11:30

Tgt Ion: 96 Resp: 574416
Ion Ratio Lower Upper
96 100
61 148.5 102.1 189.5
98 63.2 45.6 84.8

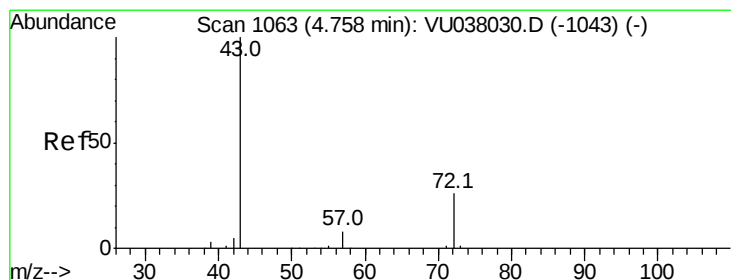
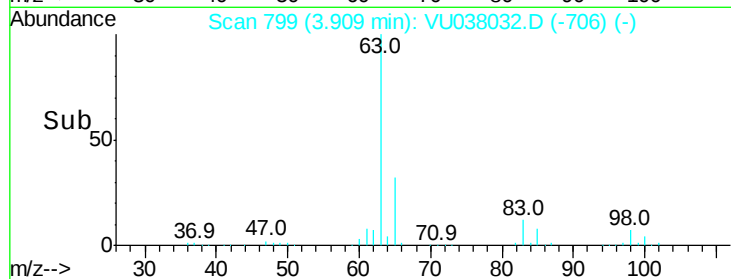
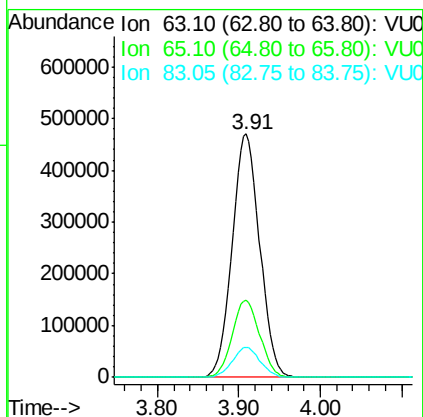
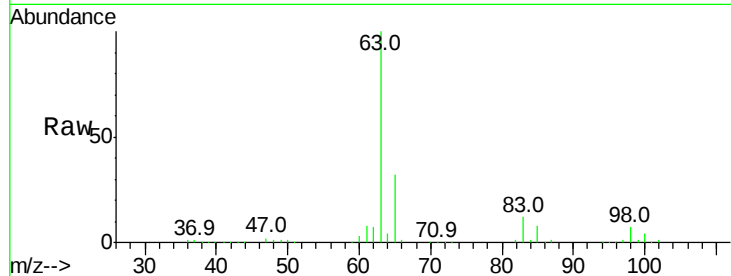




#19
 1,1-Dichloroethane
 Concen: 20.932 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: VU038032.D
 Acq: 07 May 2020 11:30

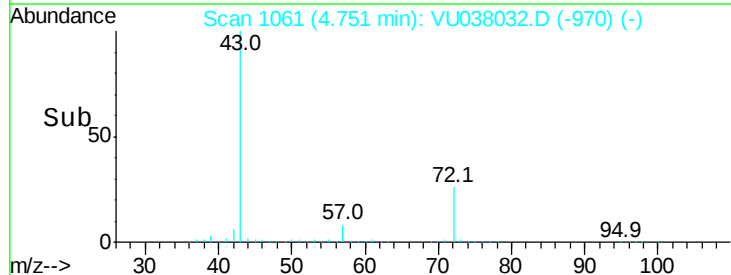
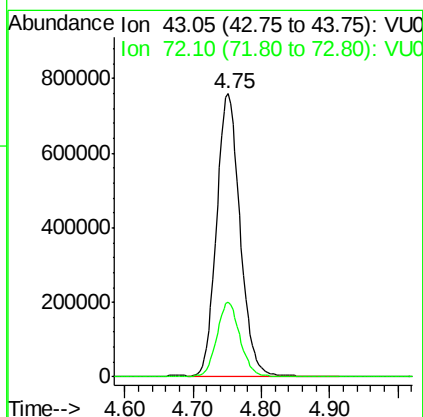
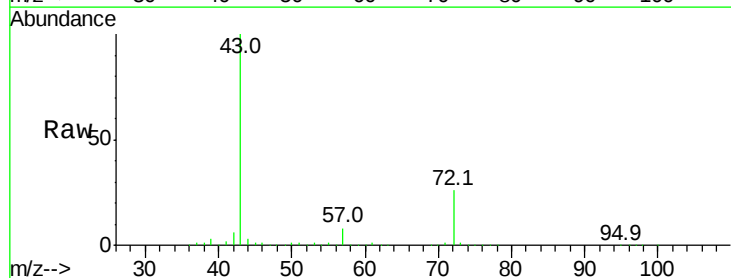
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02004

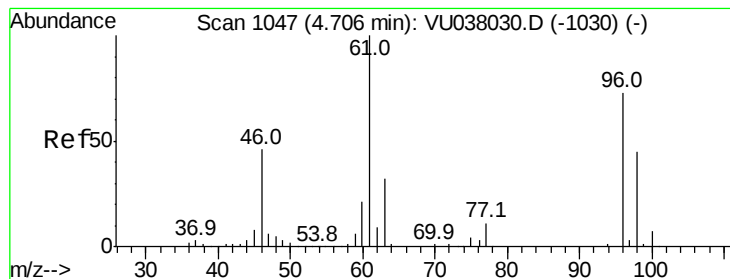
Tgt Ion: 63 Resp: 1103198
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.5 41.7
 83 12.5 8.9 16.5



#21
 2-Butanone
 Concen: 200.326 ug/L
 RT: 4.75 min Scan# 1061
 Delta R.T. -0.01 min
 Lab File: VU038032.D
 Acq: 07 May 2020 11:30

Tgt Ion: 43 Resp: 1816309
 Ion Ratio Lower Upper
 43 100
 72 26.3 13.5 40.4





#22

cis-1,2-Dichloroethene

Concen: 21.177 ug/L

RT: 4.70 min Scan# 1046

Delta R.T. -0.00 min

Lab File: VU038032.D

Acq: 07 May 2020 11:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD02004

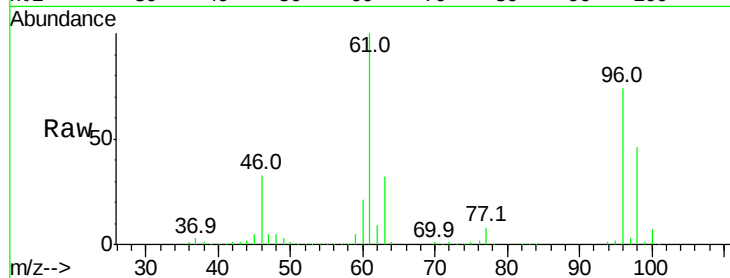
Tgt Ion: 96 Resp: 623451

Ion Ratio Lower Upper

96 100

61 135.9 95.3 176.9

68 0.0 0.0 0.0

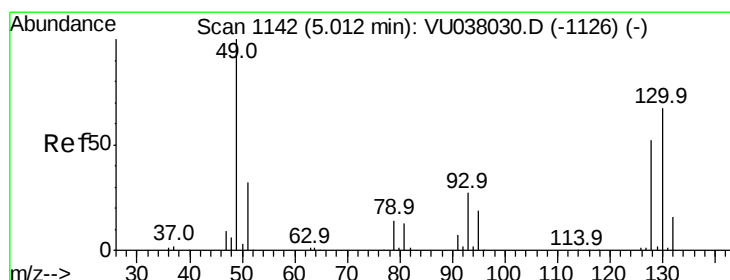
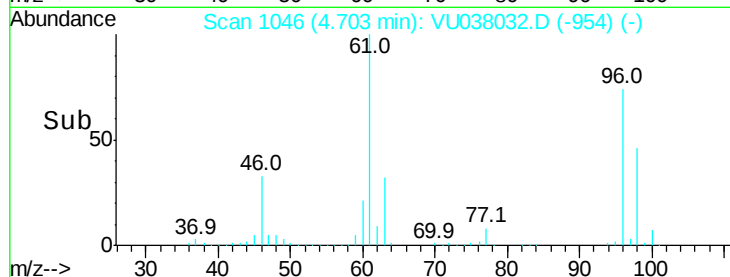
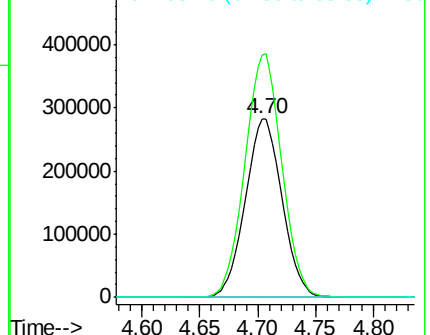


Abundance

Ion 96.00 (95.70 to 96.70): VU038032.D (-1046) (-)

Ion 61.05 (60.75 to 61.75): VU038032.D (-1046) (-)

Ion 68.15 (67.85 to 68.85): VU038032.D (-1046) (-)



#23

Bromochloromethane

Concen: 21.392 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU038032.D

Acq: 07 May 2020 11:30

Tgt Ion: 128 Resp: 266929

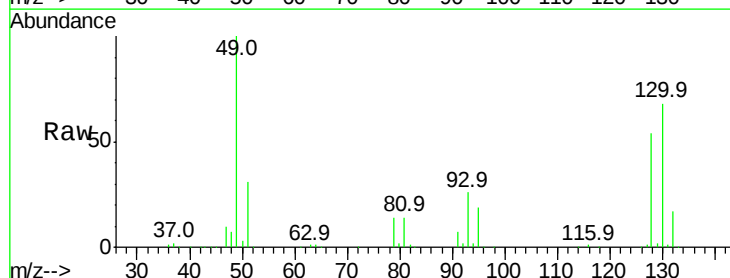
Ion Ratio Lower Upper

128 100

49 183.6 135.6 251.8

130 125.0 91.4 169.8

51 56.6 49.6 74.4



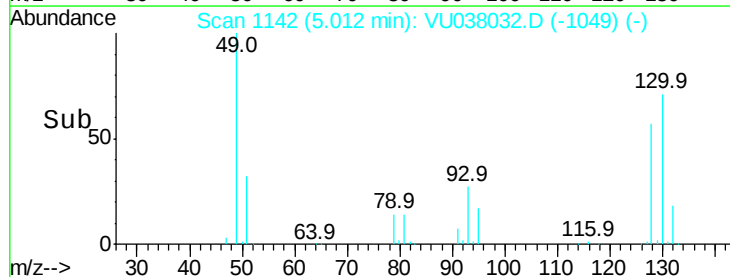
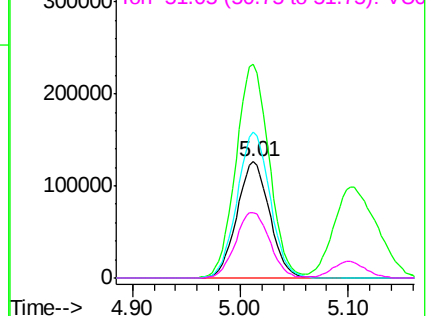
Abundance

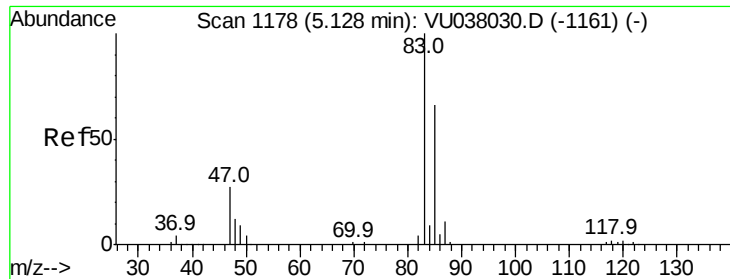
Ion 127.90 (127.60 to 128.60): VU038032.D (-1142) (-)

Ion 49.10 (48.80 to 49.80): VU038032.D (-1142) (-)

Ion 129.95 (129.65 to 130.65): VU038032.D (-1142) (-)

Ion 51.05 (50.75 to 51.75): VU038032.D (-1142) (-)





#25

Chloroform

Concen: 20.723 ug/L

RT: 5.12 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VU038032.D

Acq: 07 May 2020 11:30

Instrument :

MSVOA_U

ClientSampleId :

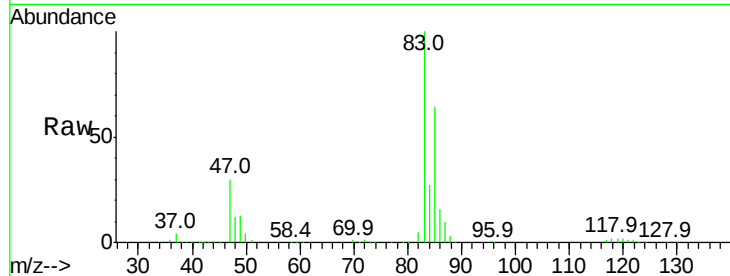
VSTD02004

Tgt Ion: 83 Resp: 1037491

Ion Ratio Lower Upper

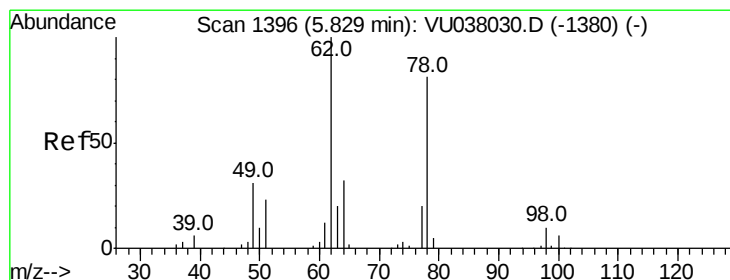
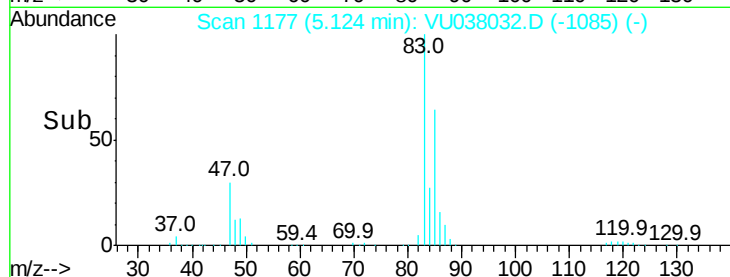
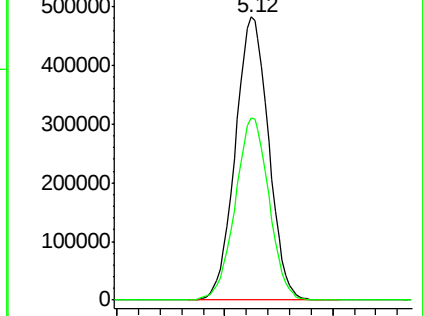
83 100

85 64.2 46.2 85.8



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0



#27

1,2-Dichloroethane

Concen: 21.134 ug/L

RT: 5.83 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VU038032.D

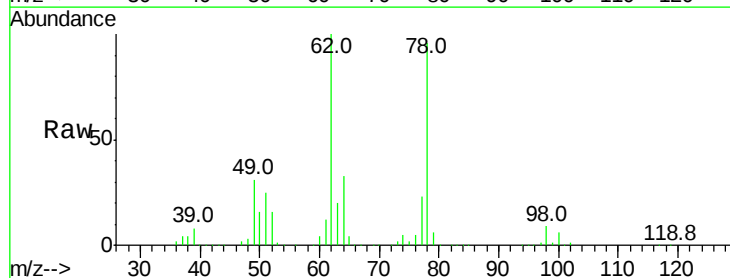
Acq: 07 May 2020 11:30

Tgt Ion: 62 Resp: 715169

Ion Ratio Lower Upper

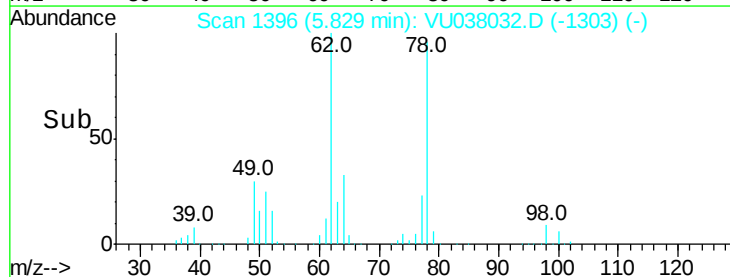
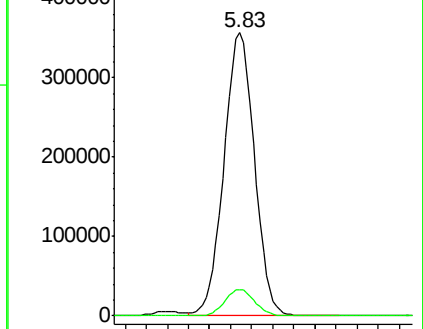
62 100

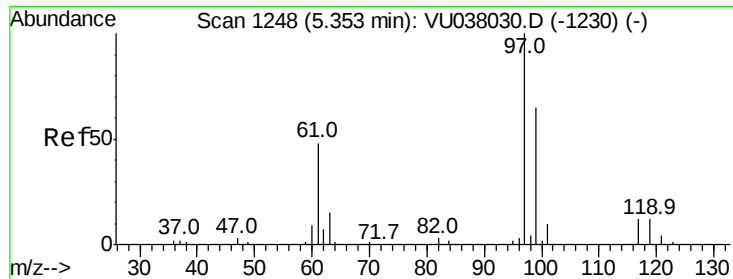
98 9.3 7.8 11.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0

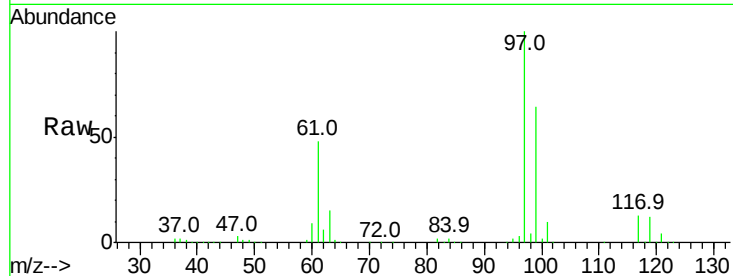




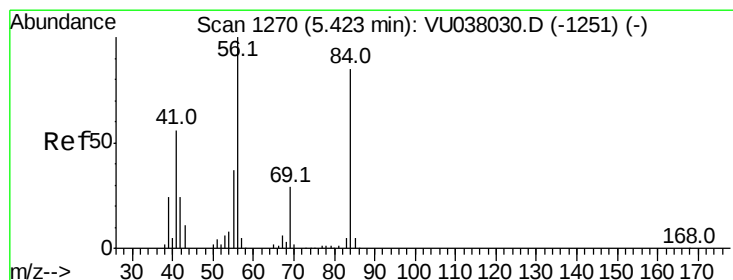
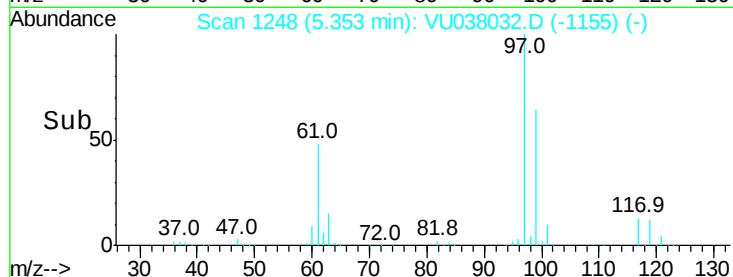
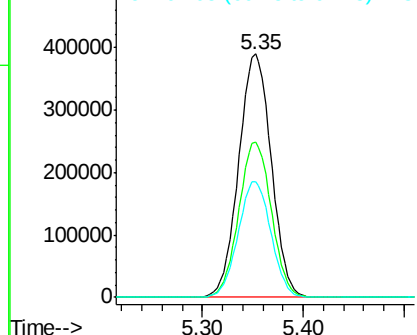
#29
 1,1,1-Trichloroethane
 Concen: 19.899 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VU038032.D
 Acq: 07 May 2020 11:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02004

Tgt Ion: 97 Resp: 871134
 Ion Ratio Lower Upper
 97 100
 99 64.0 51.0 76.4
 61 47.9 38.2 57.4

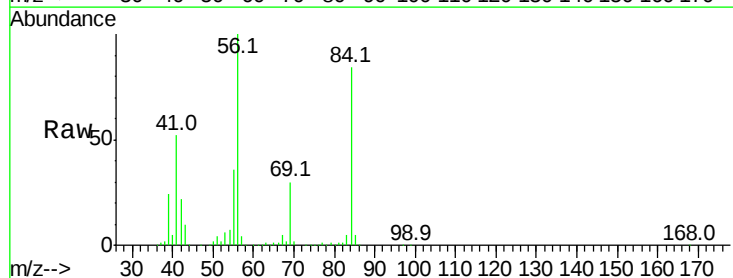


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

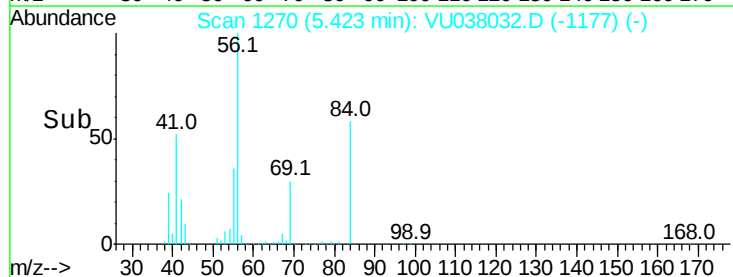
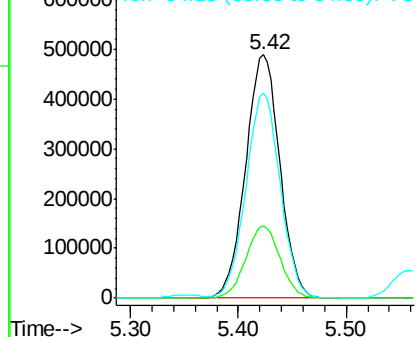


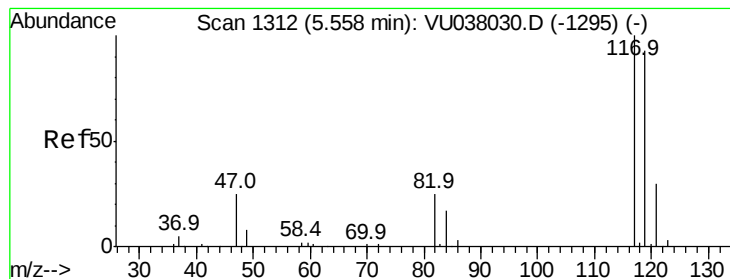
#30
 Cyclohexane
 Concen: 19.892 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VU038032.D
 Acq: 07 May 2020 11:30

Tgt Ion: 56 Resp: 1077858
 Ion Ratio Lower Upper
 56 100
 69 29.7 24.2 36.4
 84 84.3 68.5 102.7



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





#31

Carbon tetrachloride

Concen: 20.358 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU038032.D

Acq: 07 May 2020 11:30

Instrument :

MSVOA_U

ClientSampleId :

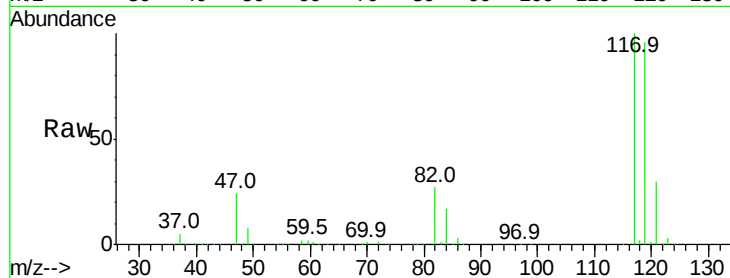
VSTD02004

Tgt Ion:117 Resp: 710216

Ion Ratio Lower Upper

117 100

119 95.5 75.4 113.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.56

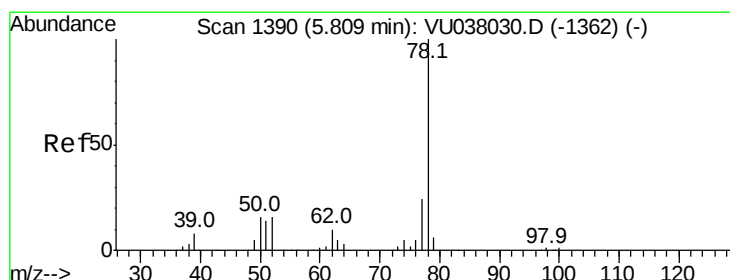
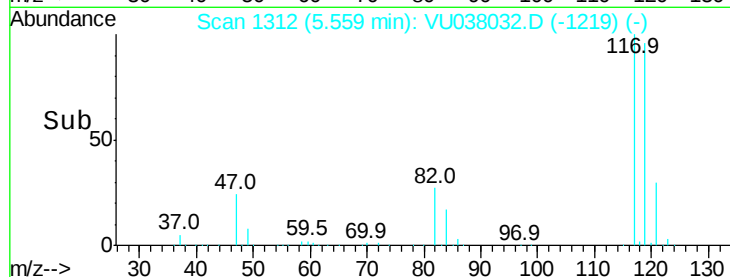
300000

200000

100000

0

Time-->



#33

Benzene

Concen: 20.123 ug/L

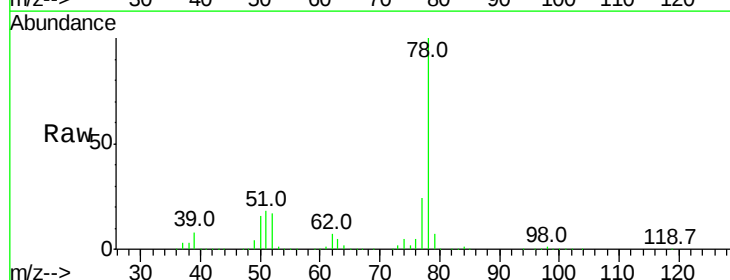
RT: 5.81 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VU038032.D

Acq: 07 May 2020 11:30

Tgt Ion: 78 Resp: 2398815



Abundance Ion 78.10 (77.80 to 78.80): VU0

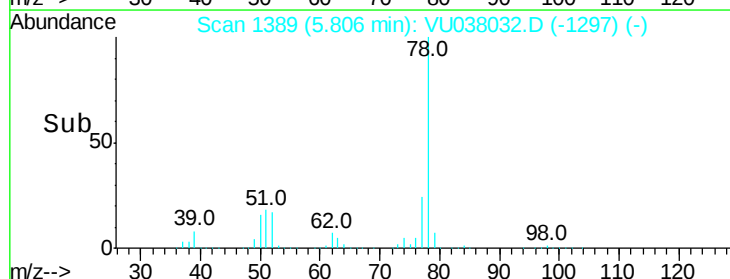
5.81

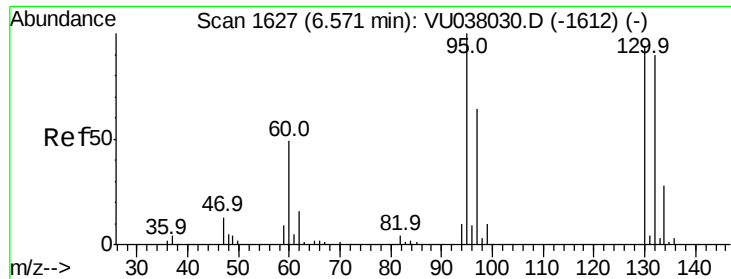
1000000

500000

0

Time-->

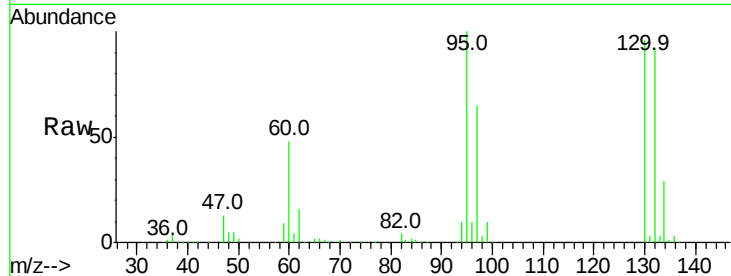




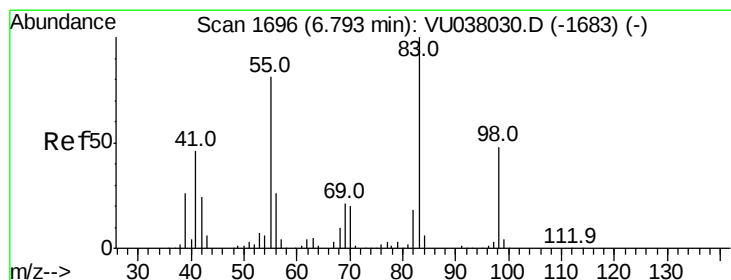
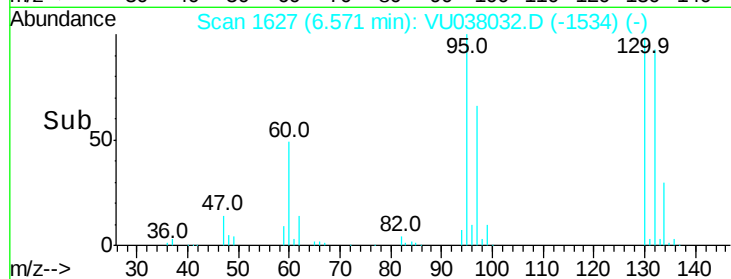
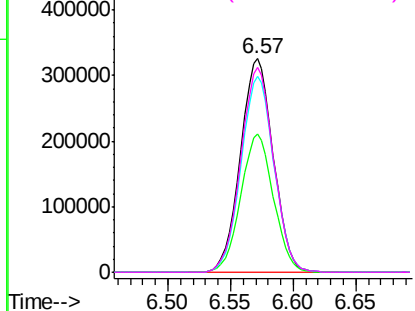
#34
 Trichloroethene
 Concen: 20.217 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU038032.D
 Acq: 07 May 2020 11:30

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTD02004

Tgt Ion:	95	Resp:	592290
Ion	Ratio	Lower	Upper
95	100		
97	64.7	44.9	83.3
132	91.6	63.3	117.5
130	96.2	65.7	122.1

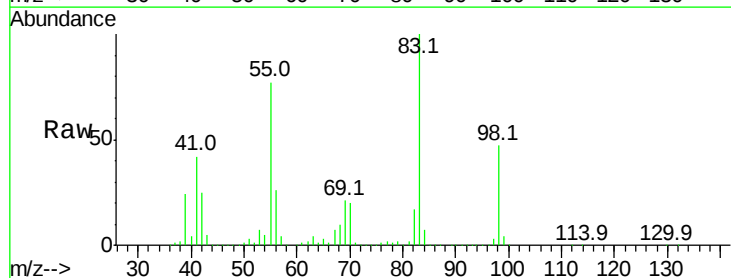


Abundance Ion 95.00 (94.70 to 95.70): VU038032.D (-1612) (-)
 Ion 96.95 (96.65 to 97.65): VU038032.D (-1612) (-)
 Ion 131.95 (131.65 to 132.65): VU038032.D (-1612) (-)
 Ion 129.95 (129.65 to 130.65): VU038032.D (-1612) (-)

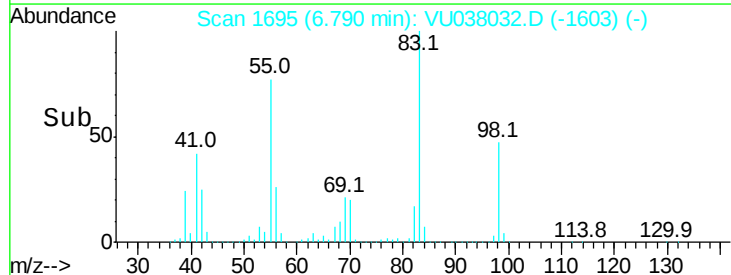
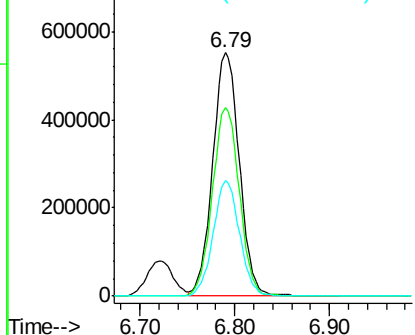


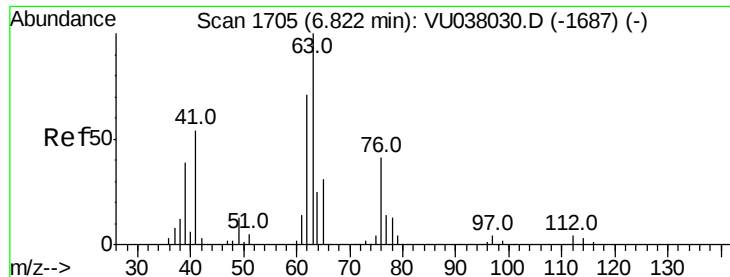
#35
 Methylcyclohexane
 Concen: 21.000 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: VU038032.D
 Acq: 07 May 2020 11:30

Tgt Ion:	83	Resp:	1078230
Ion	Ratio	Lower	Upper
83	100		
55	78.2	66.7	100.1
98	46.7	39.4	59.2



Abundance Ion 83.15 (82.85 to 83.85): VU038032.D (-1695) (-)
 Ion 55.10 (54.80 to 55.80): VU038032.D (-1695) (-)
 Ion 98.15 (97.85 to 98.85): VU038032.D (-1695) (-)

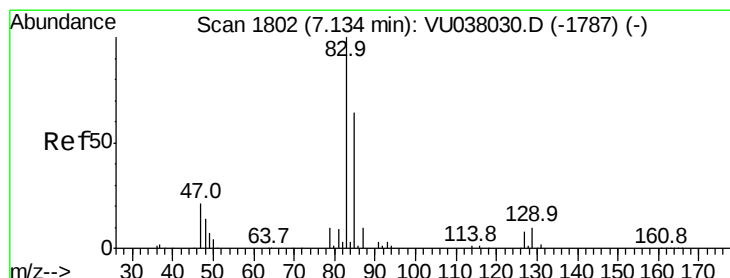
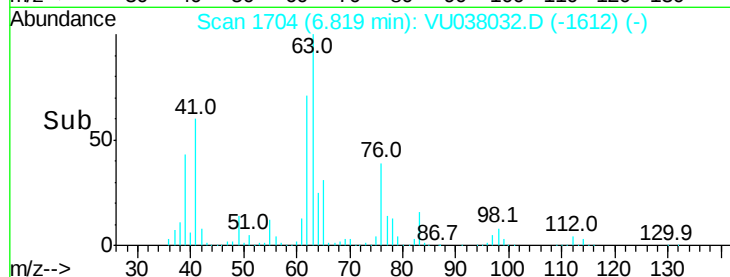
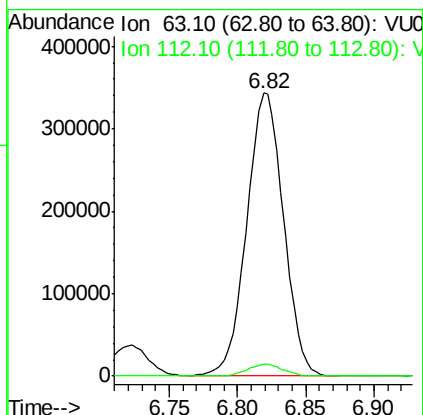
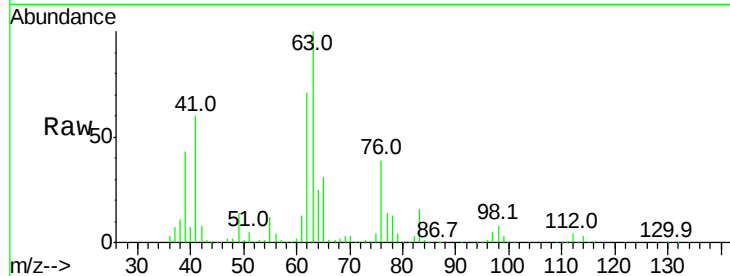




#37
 1,2-Dichloropropane
 Concen: 20.249 ug/L
 RT: 6.82 min Scan# 1704
 Delta R.T. -0.00 min
 Lab File: VU038032.D
 Acq: 07 May 2020 11:30

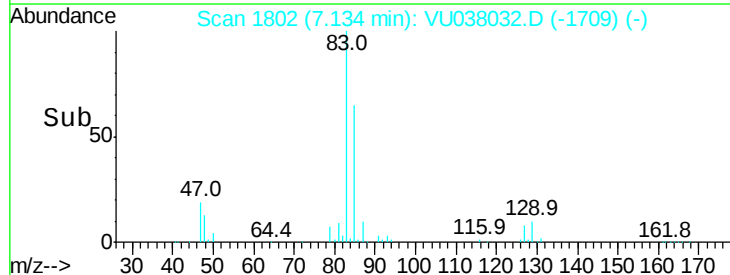
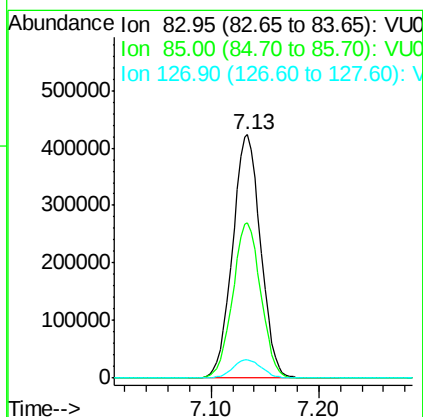
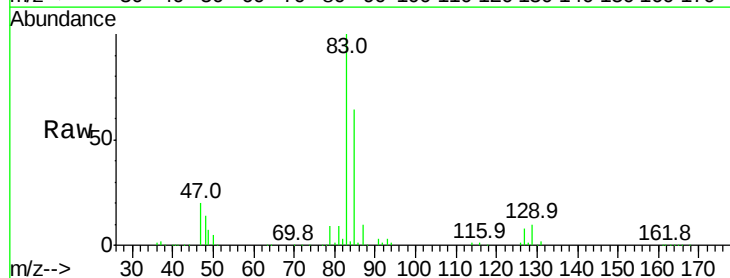
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02004

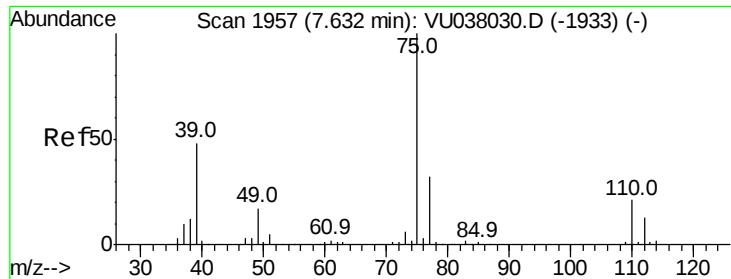
Tgt Ion: 63 Resp: 640200
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.1 4.7



#38
 Bromodichloromethane
 Concen: 20.371 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VU038032.D
 Acq: 07 May 2020 11:30

Tgt Ion: 83 Resp: 765810
 Ion Ratio Lower Upper
 83 100
 85 63.9 44.6 82.8
 127 7.6 6.4 9.6

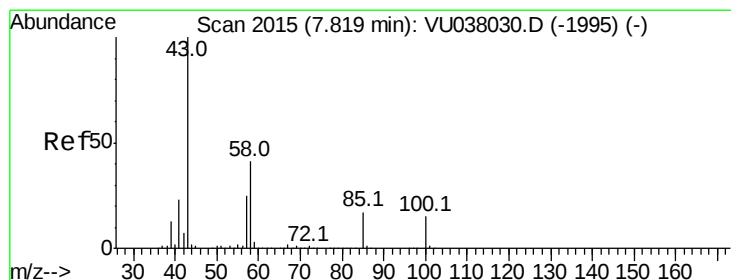
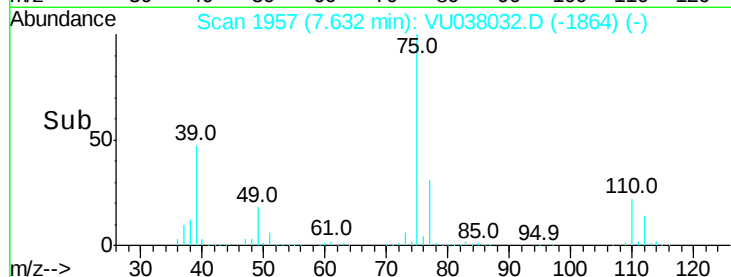
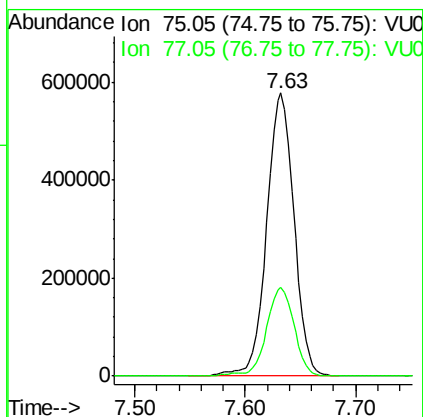
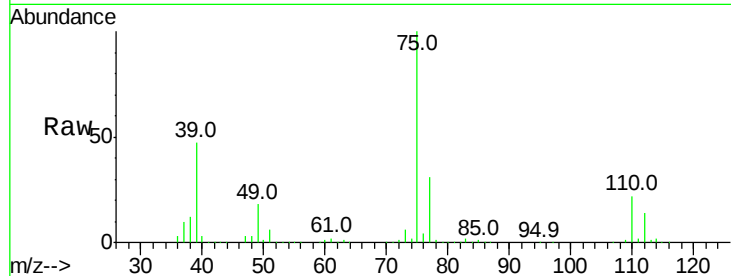




#39
 cis-1,3-Dichloropropene
 Concen: 20.060 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU038032.D
 Acq: 07 May 2020 11:30

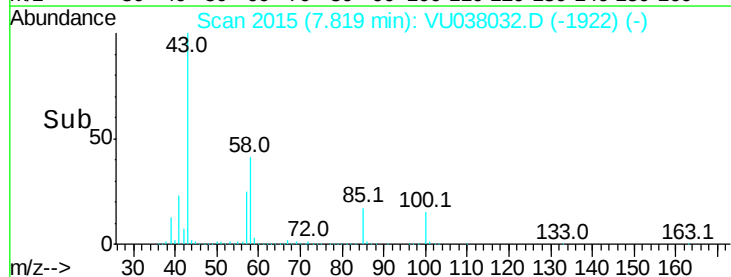
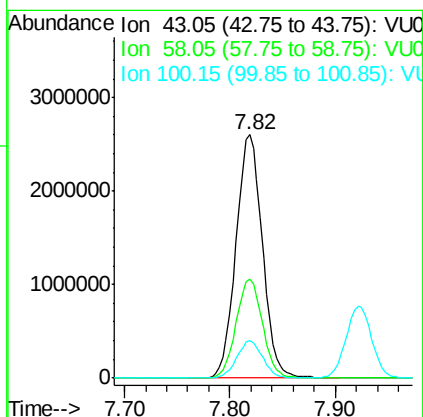
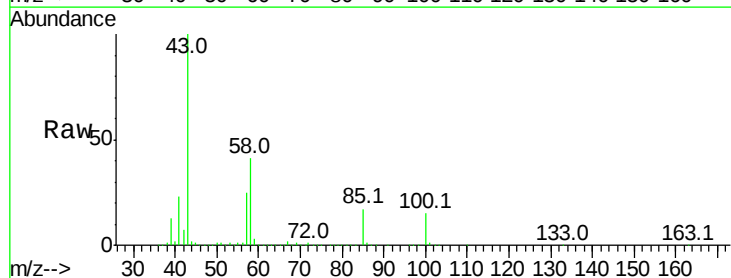
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02004

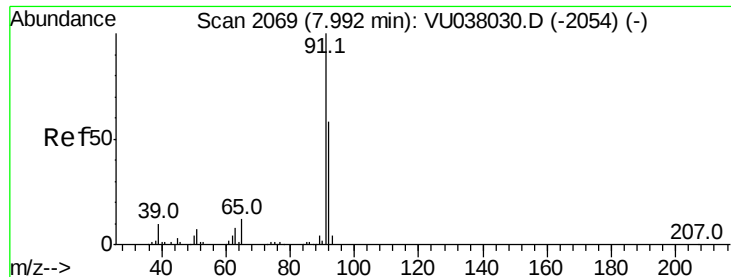
Tgt Ion: 75 Resp: 992770
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 194.184 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU038032.D
 Acq: 07 May 2020 11:30

Tgt Ion: 43 Resp: 4513524
 Ion Ratio Lower Upper
 43 100
 58 40.8 32.2 48.4
 100 15.2 12.1 18.1





#42

Toluene

Concen: 20.273 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU038032.D

Acq: 07 May 2020 11:30

Instrument :

MSVOA_U

ClientSampleId :

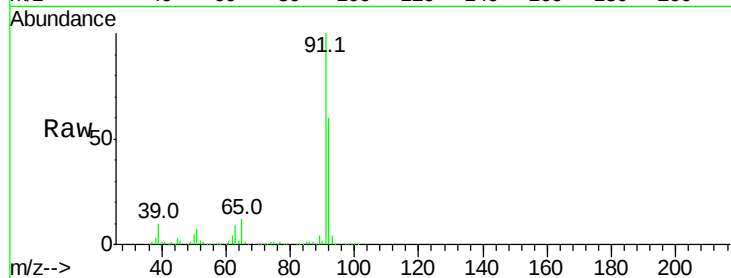
VSTD02004

Tgt Ion: 91 Resp: 2531455

Ion Ratio Lower Upper

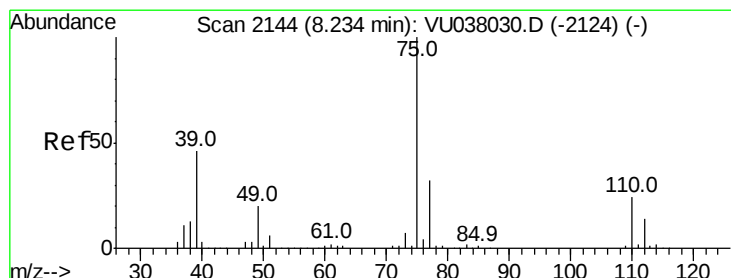
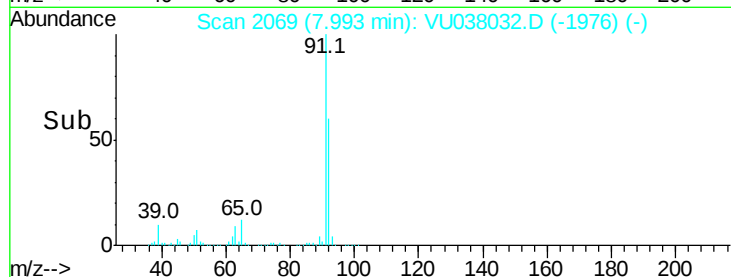
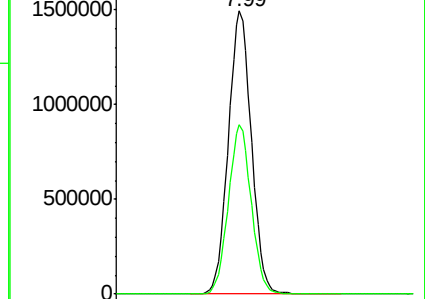
91 100

92 59.8 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU038030.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU038030.D (-2054) (-)



#44

trans-1,3-Dichloropropene

Concen: 19.666 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU038032.D

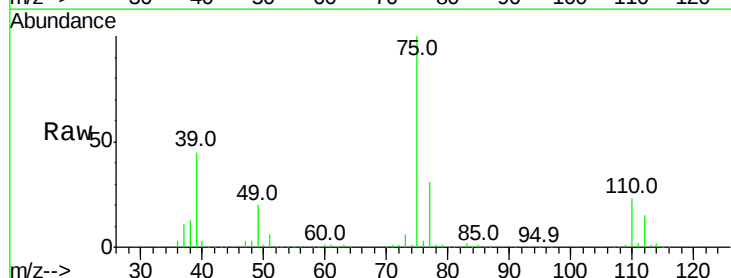
Acq: 07 May 2020 11:30

Tgt Ion: 75 Resp: 844908

Ion Ratio Lower Upper

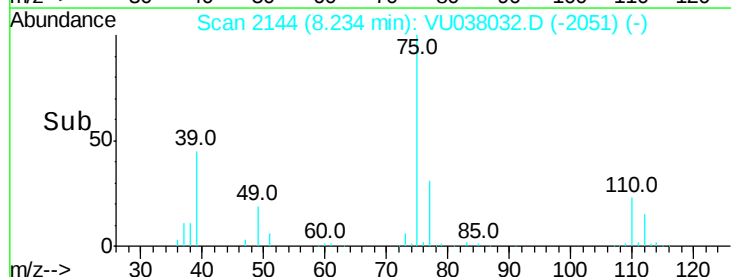
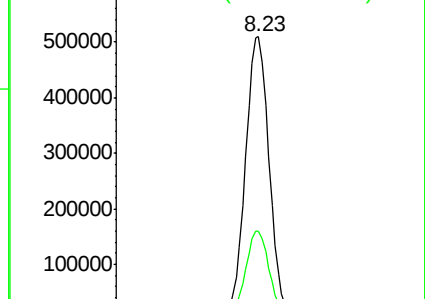
75 100

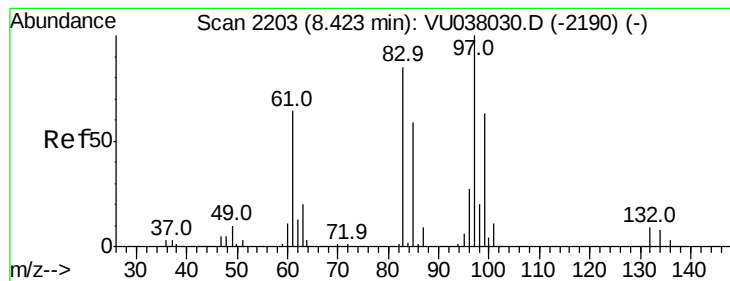
77 31.3 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VU038030.D (-2124) (-)

Ion 77.05 (76.75 to 77.75): VU038030.D (-2124) (-)





#45

1,1,2-Trichloroethane

Concen: 20.898 ug/L

RT: 8.42 min Scan# 2203

Delta R.T. 0.00 min

Lab File: VU038032.D

Acq: 07 May 2020 11:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD02004

Tgt Ion: 97 Resp: 445229

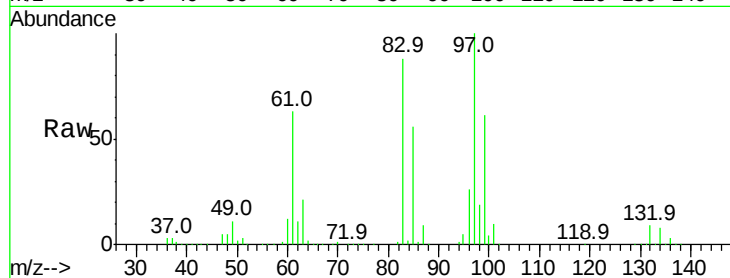
Ion Ratio Lower Upper

97 100

99 61.4 44.0 81.6

83 87.9 59.6 110.8

85 56.2 41.3 76.7



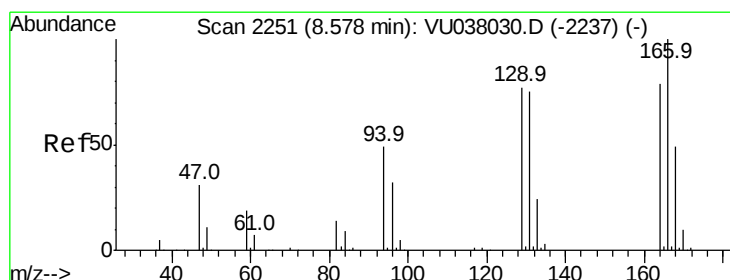
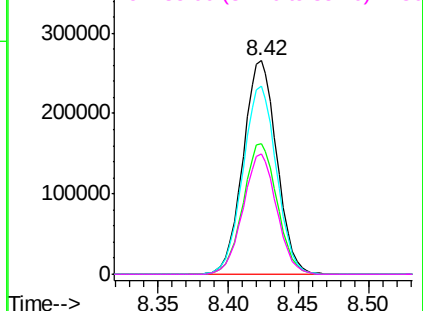
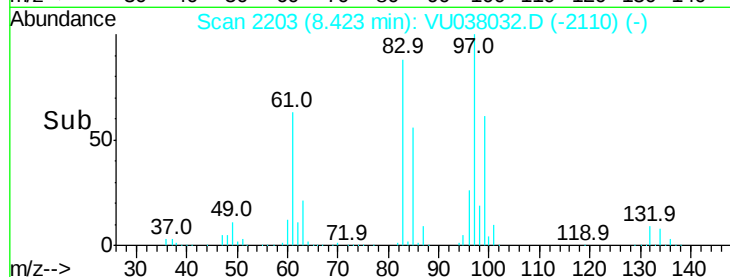
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 20.142 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU038032.D

Acq: 07 May 2020 11:30

Tgt Ion: 164 Resp: 424027

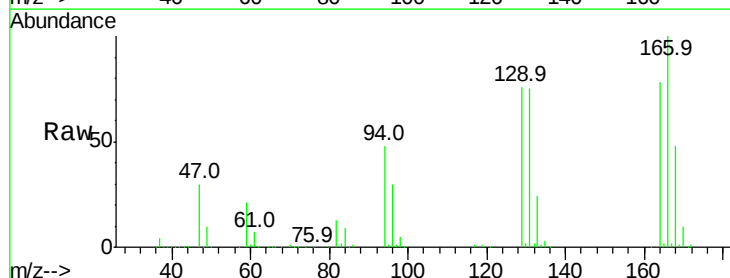
Ion Ratio Lower Upper

164 100

129 98.3 68.8 127.8

131 96.0 66.8 124.2

166 128.6 88.9 165.1



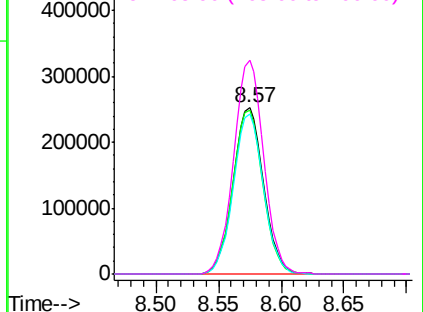
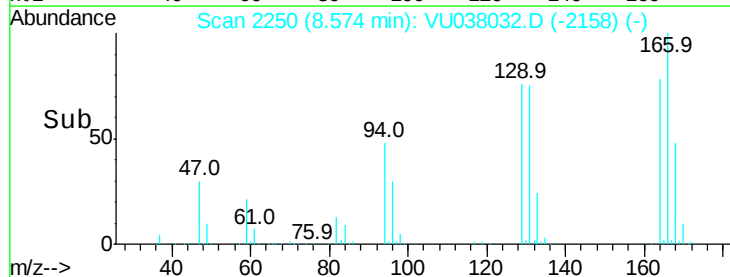
Abundance

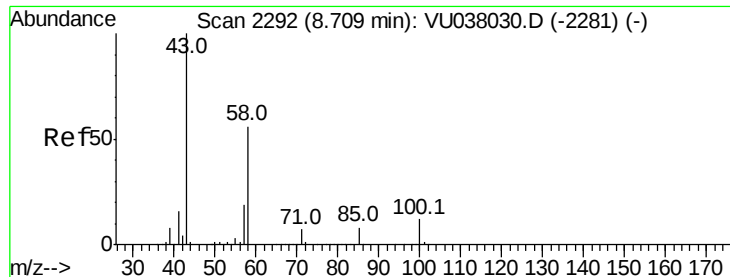
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



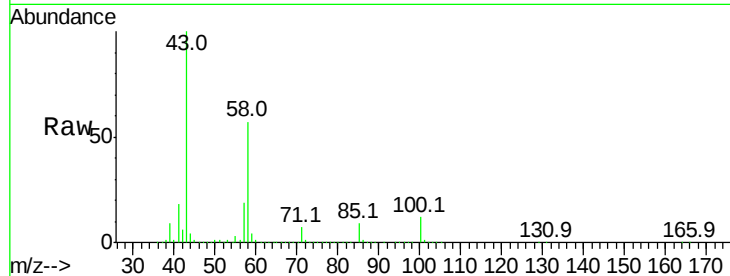


#48
2-Hexanone
Concen: 198.784 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU038032.D
Acq: 07 May 2020 11:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD02004

Tgt Ion: 43 Resp: 3308102

Ion	Ratio	Lower	Upper
43	100		
58	56.8	45.2	67.8
57	19.6	15.5	23.3
100	12.0	9.5	14.3

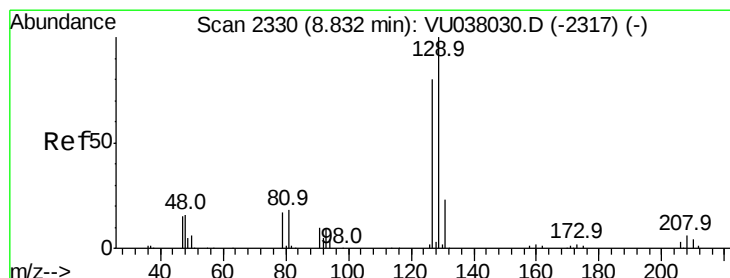
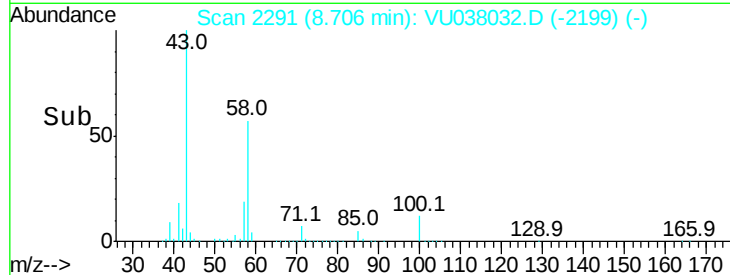
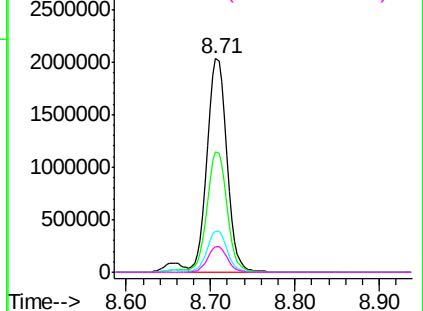


Abundance Ion 43.05 (42.75 to 43.75): VU038032.D (-2291) (-)

Ion 58.05 (57.75 to 58.75): VU038032.D (-2291) (-)

Ion 57.20 (56.90 to 57.90): VU038032.D (-2291) (-)

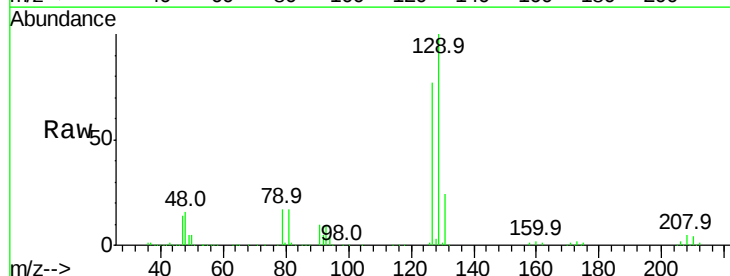
Ion 100.15 (99.85 to 100.85): VU038032.D (-2291) (-)



#49
Dibromochloromethane
Concen: 20.317 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU038032.D
Acq: 07 May 2020 11:30

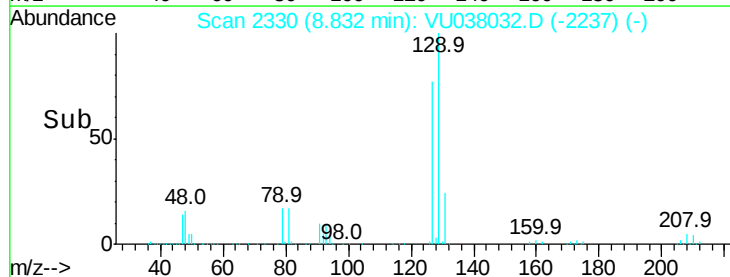
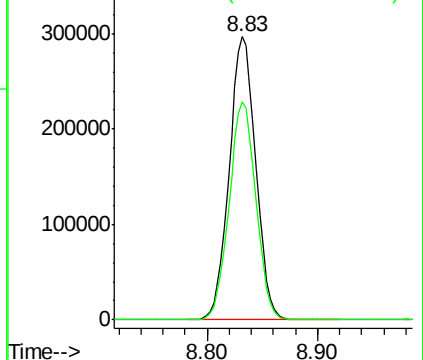
Tgt Ion: 129 Resp: 494687

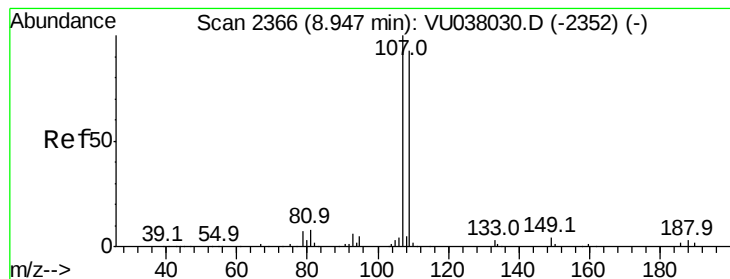
Ion	Ratio	Lower	Upper
129	100		
127	76.9	55.6	103.4



Abundance Ion 128.95 (128.65 to 129.65): VU038032.D (-2327) (-)

Ion 126.90 (126.60 to 127.60): VU038032.D (-2327) (-)





#50

1,2-Dibromoethane

Concen: 20.664 ug/L

RT: 8.94 min Scan# 2365

Delta R.T. -0.00 min

Lab File: VU038032.D

Acq: 07 May 2020 11:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD02004

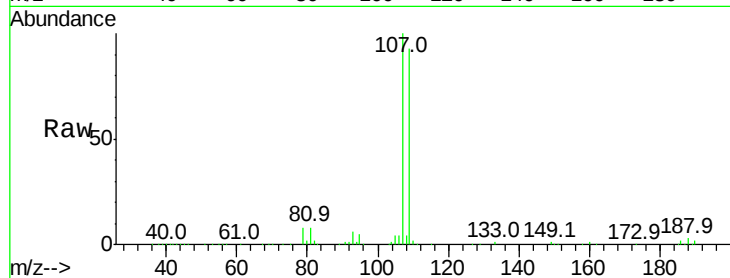
Tgt Ion:107 Resp: 423331

Ion Ratio Lower Upper

107 100

109 93.3 65.1 120.9

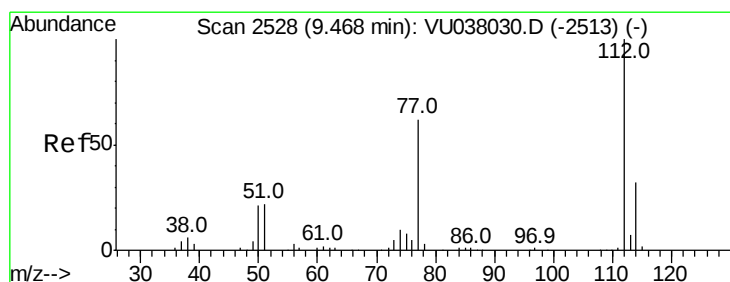
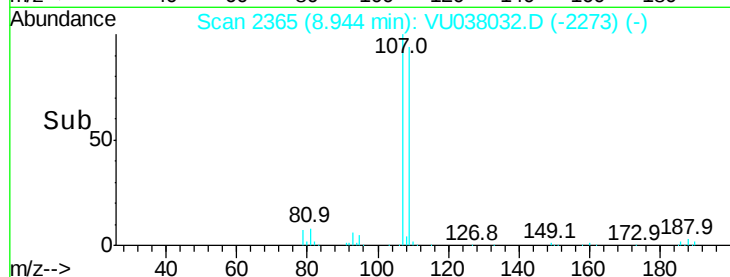
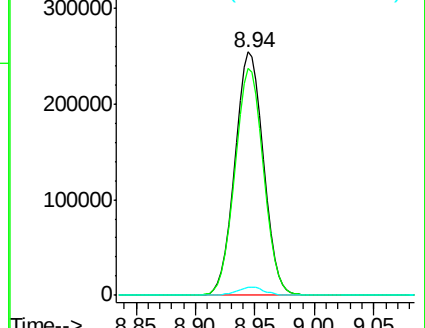
188 3.2 2.6 4.0



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 20.660 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. -0.00 min

Lab File: VU038032.D

Acq: 07 May 2020 11:30

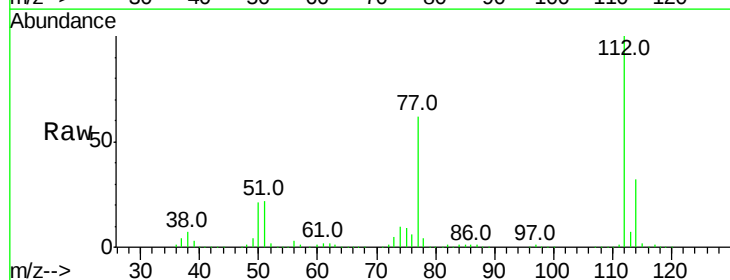
Tgt Ion:112 Resp: 1573997

Ion Ratio Lower Upper

112 100

114 32.3 22.5 41.7

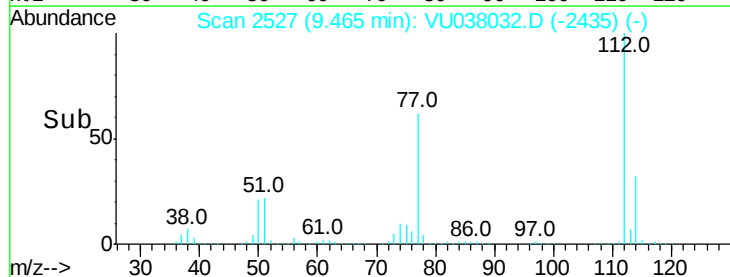
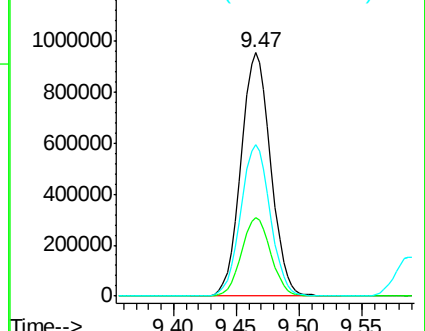
77 62.5 49.9 74.9

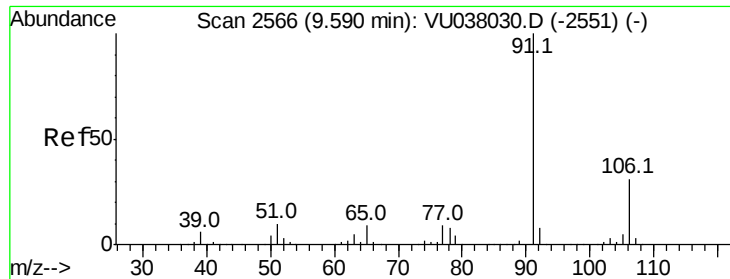


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 20.640 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038032.D

Acq: 07 May 2020 11:30

Instrument :

MSVOA_U

ClientSampleId :

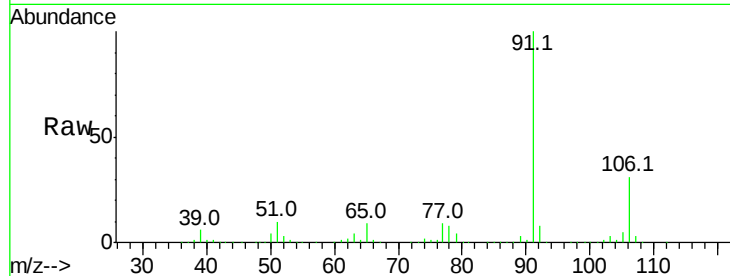
VSTD02004

Tgt Ion: 91 Resp: 2867376

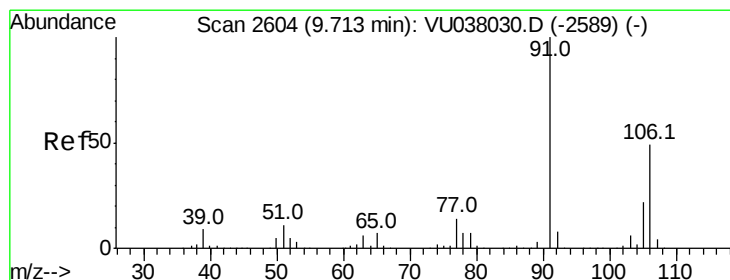
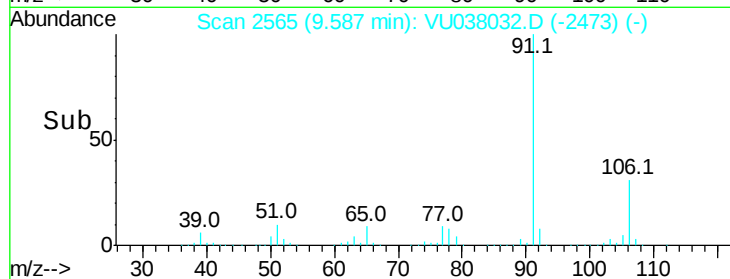
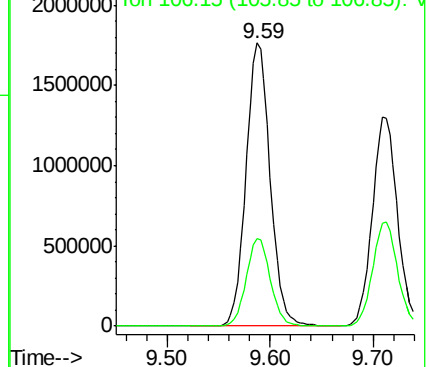
Ion Ratio Lower Upper

91 100

106 30.9 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): VU038030.D (-2551) (-)



#53

m,p-Xylene

Concen: 20.909 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU038032.D

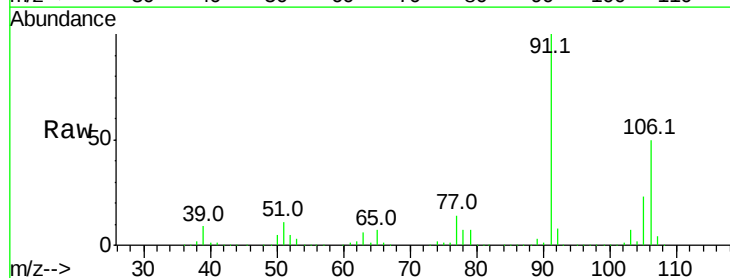
Acq: 07 May 2020 11:30

Tgt Ion: 106 Resp: 1099383

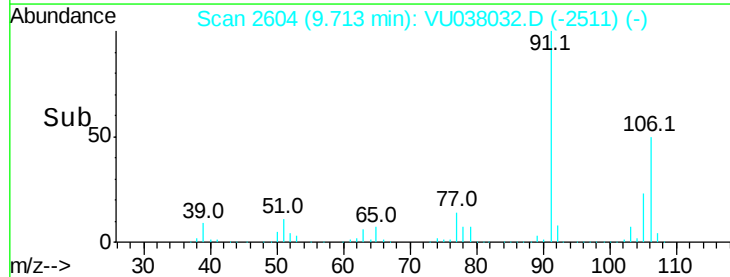
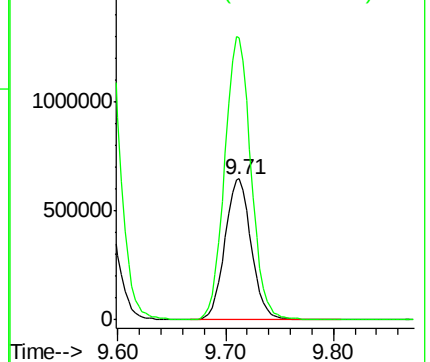
Ion Ratio Lower Upper

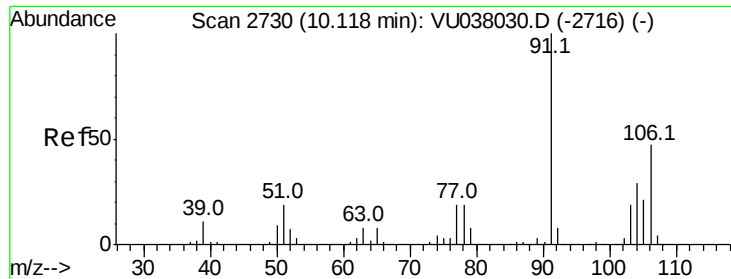
106 100

91 200.8 142.1 263.9



Abundance Ion 106.15 (105.85 to 106.85): VU038030.D (-2589) (-)





#54

o-Xylene

Concen: 20.787 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VU038032.D

Acq: 07 May 2020 11:30

Instrument :

MSVOA_U

ClientSampleId :

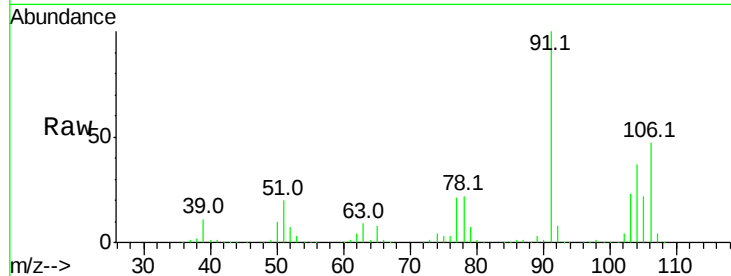
VSTD02004

Tgt Ion:106 Resp: 1075679

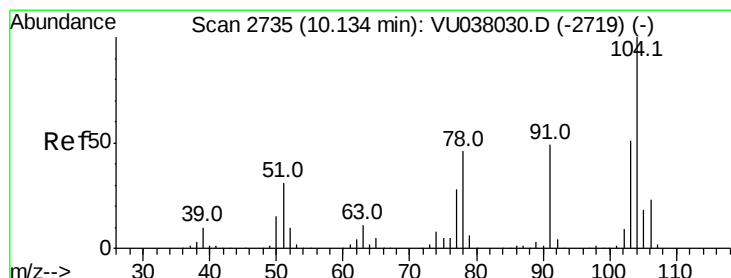
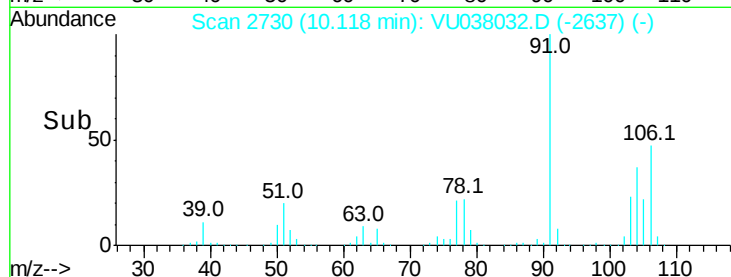
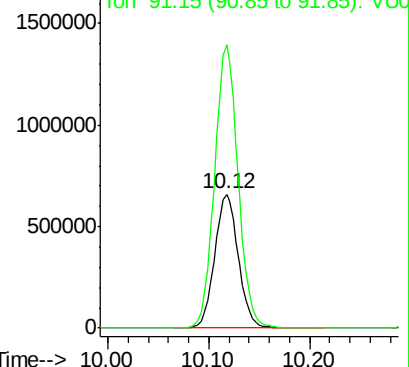
Ion Ratio Lower Upper

106 100

91 211.7 148.5 275.9



Abundance Ion 106.15 (105.85 to 106.85): V



#55

Styrene

Concen: 20.898 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VU038032.D

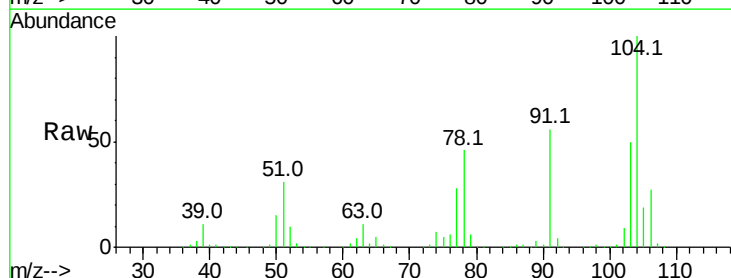
Acq: 07 May 2020 11:30

Tgt Ion:104 Resp: 1848662

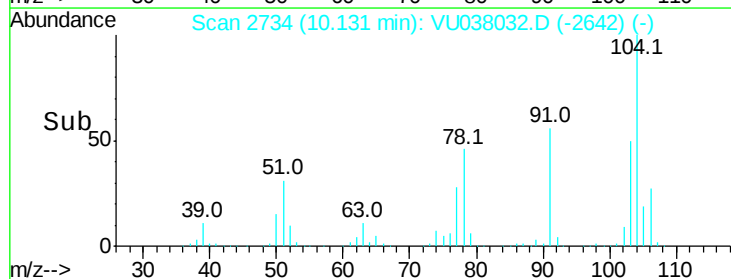
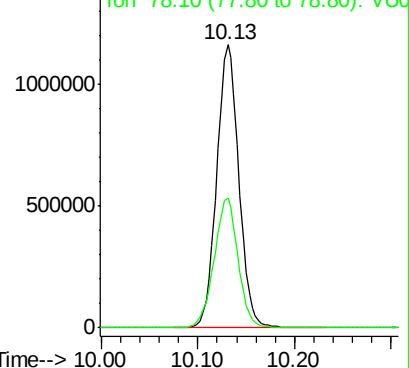
Ion Ratio Lower Upper

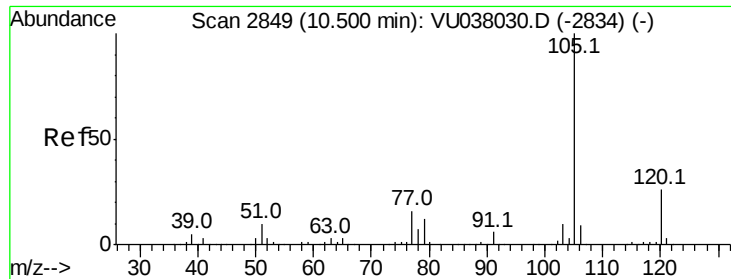
104 100

78 45.9 32.3 59.9



Abundance Ion 104.10 (103.80 to 104.80): V





#56

Isopropylbenzene

Concen: 20.638 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU038032.D

Acq: 07 May 2020 11:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD02004

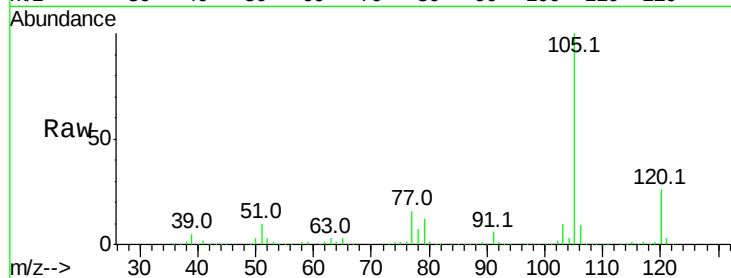
Tgt Ion:105 Resp: 2801375

Ion Ratio Lower Upper

105 100

120 26.1 21.0 31.6

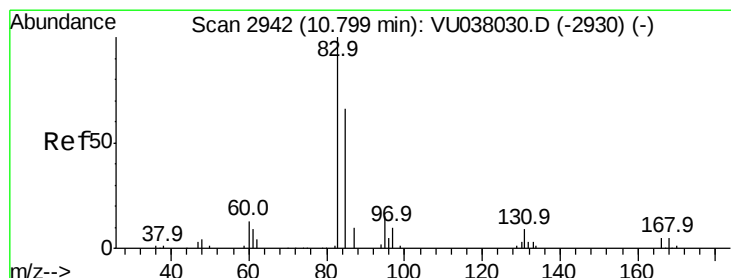
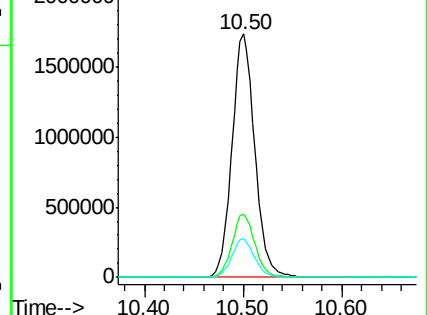
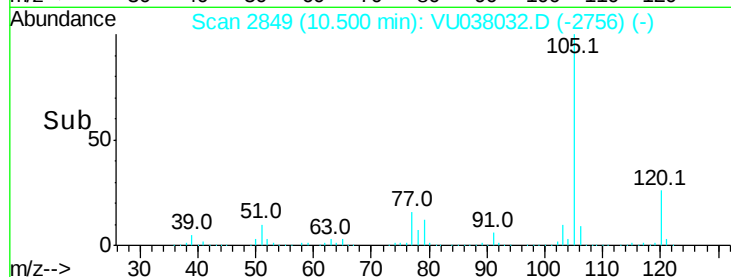
77 15.8 13.0 19.4



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: 20.767 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU038032.D

Acq: 07 May 2020 11:30

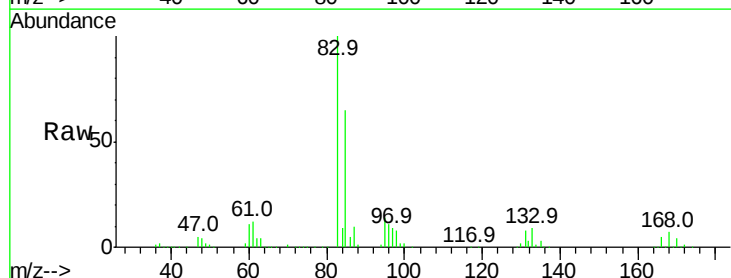
Tgt Ion: 83 Resp: 575960

Ion Ratio Lower Upper

83 100

85 64.6 47.0 87.2

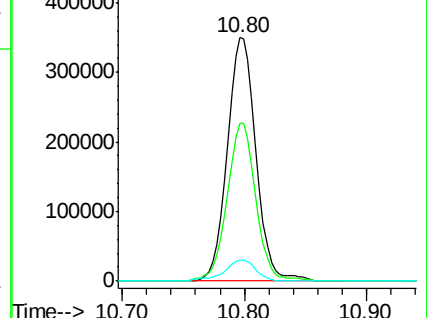
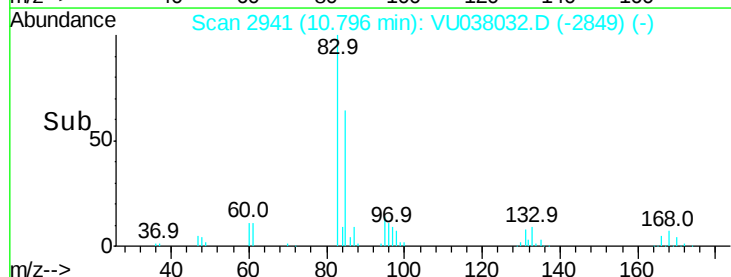
131 8.5 7.7 11.5

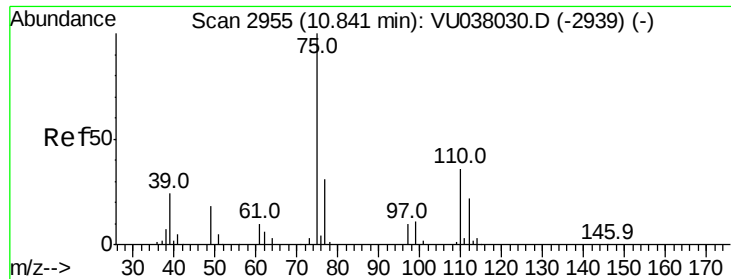


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 20.596 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. -0.00 min

Lab File: VU038032.D

Acq: 07 May 2020 11:30

Instrument :

MSVOA_U

ClientSampleId :

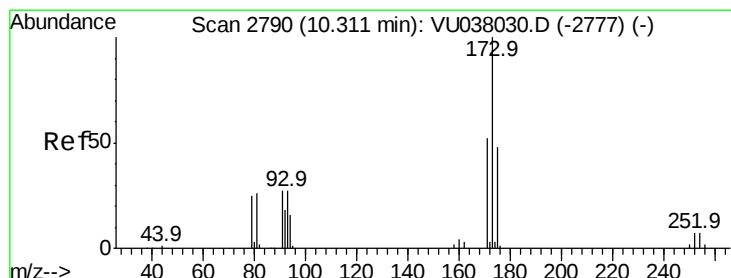
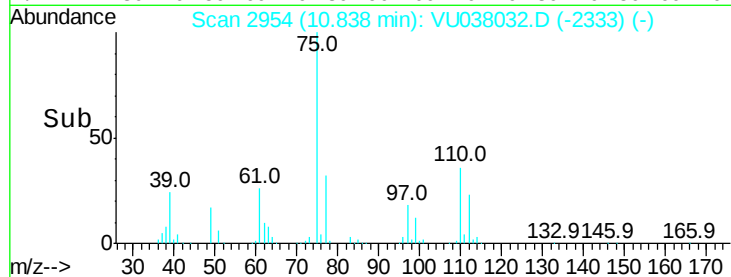
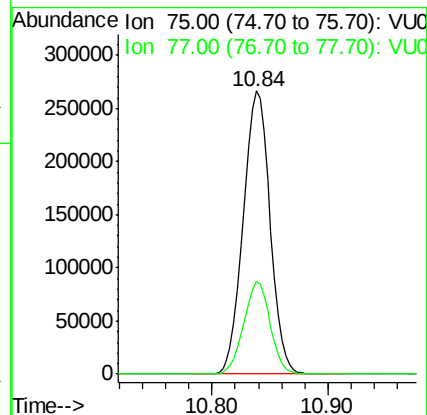
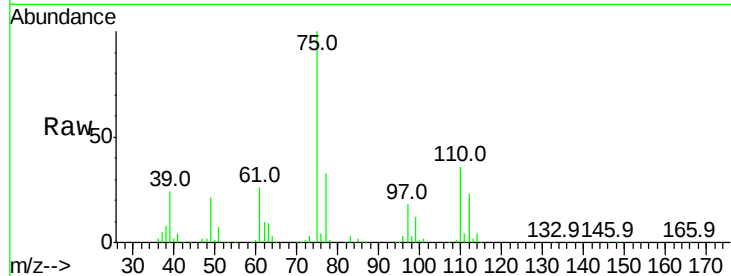
VSTD02004

Tgt Ion: 75 Resp: 426186

Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.0



#61

Bromoform

Concen: 18.885 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. -0.00 min

Lab File: VU038032.D

Acq: 07 May 2020 11:30

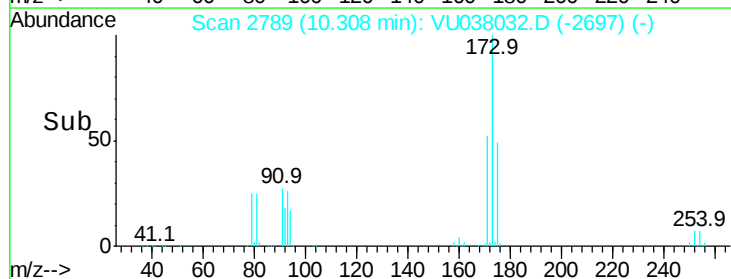
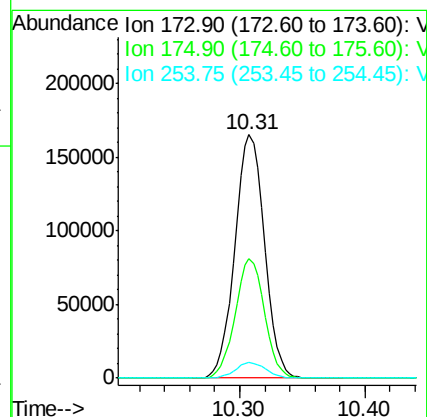
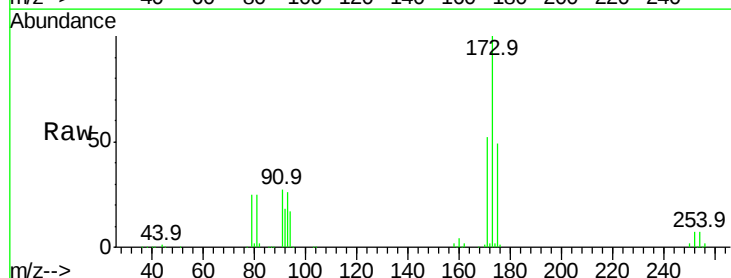
Tgt Ion: 173 Resp: 271047

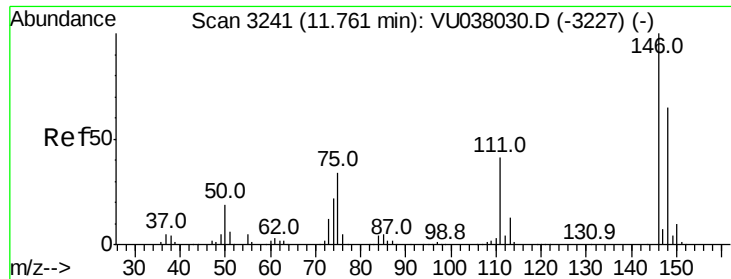
Ion Ratio Lower Upper

173 100

175 48.2 39.5 59.3

254 6.6 5.0 7.4

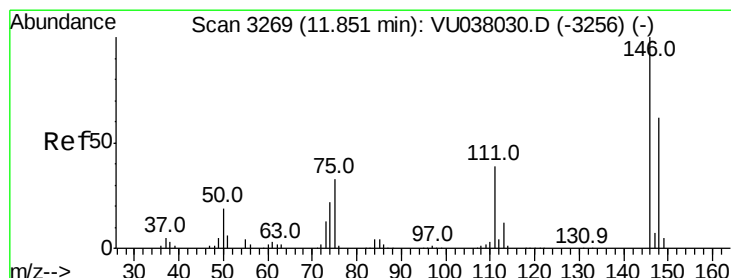
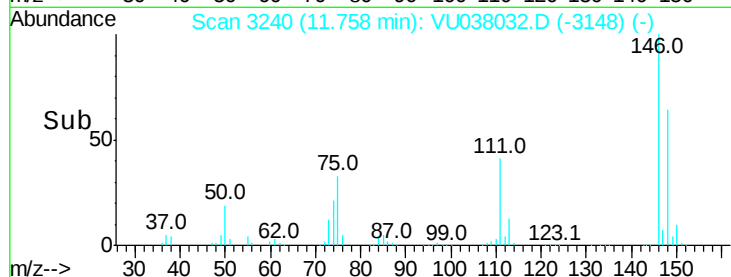
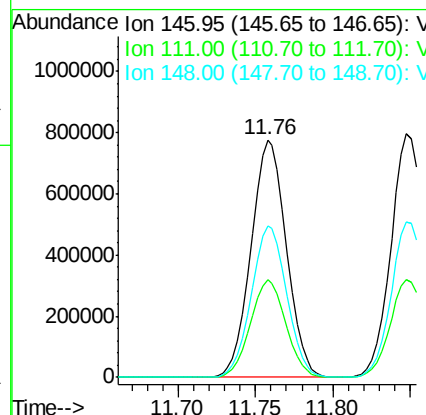
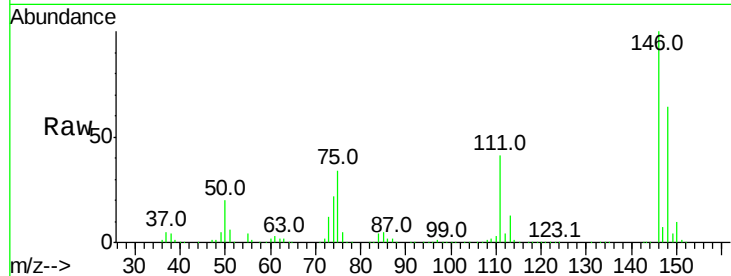




#62
 1,3-Dichlorobenzene
 Concen: 20.397 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: VU038032.D
 Acq: 07 May 2020 11:30

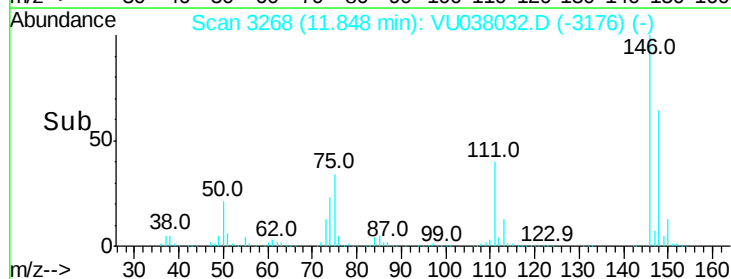
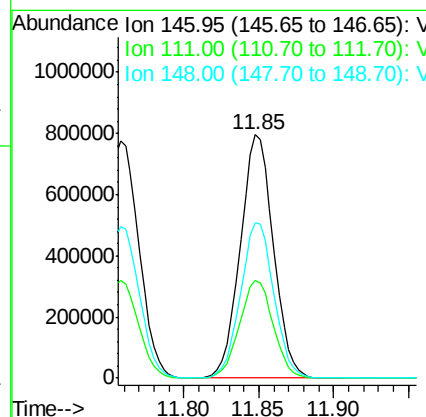
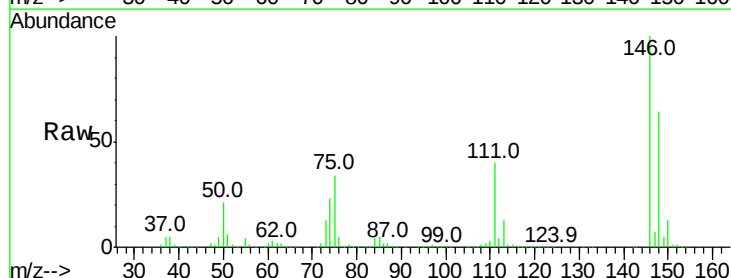
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02004

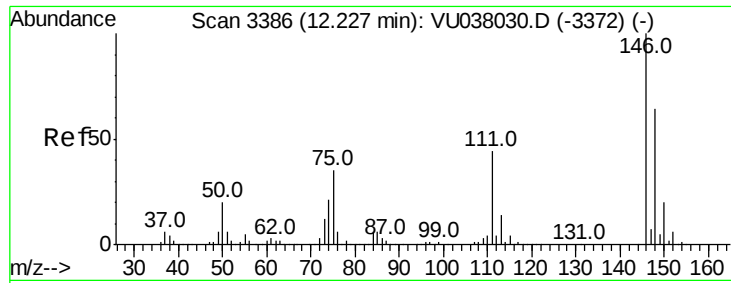
Tgt Ion:146 Resp: 1234089
 Ion Ratio Lower Upper
 146 100
 111 40.9 28.6 53.2
 148 63.9 45.2 84.0



#63
 1,4-Dichlorobenzene
 Concen: 20.155 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU038032.D
 Acq: 07 May 2020 11:30

Tgt Ion:146 Resp: 1222861
 Ion Ratio Lower Upper
 146 100
 111 40.0 27.2 50.6
 148 63.9 43.8 81.3





#65

1,2-Dichlorobenzene

Concen: 20.262 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU038032.D

Acq: 07 May 2020 11:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD02004

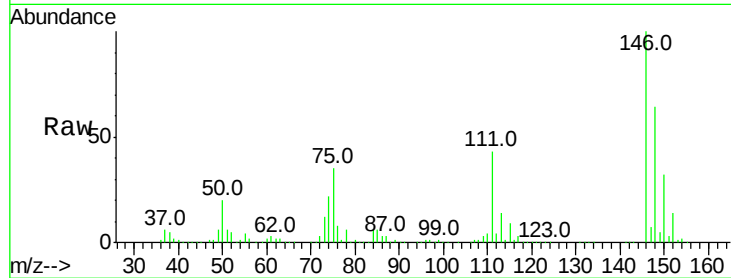
Tgt Ion:146 Resp: 1153964

Ion Ratio Lower Upper

146 100

111 43.4 35.3 52.9

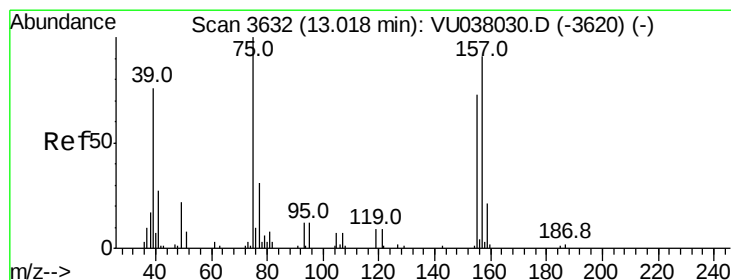
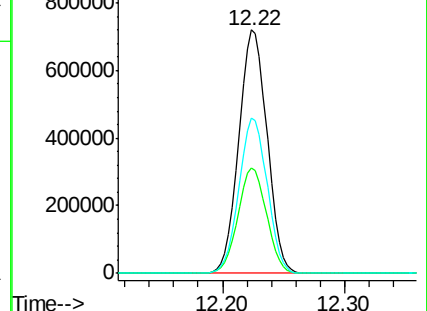
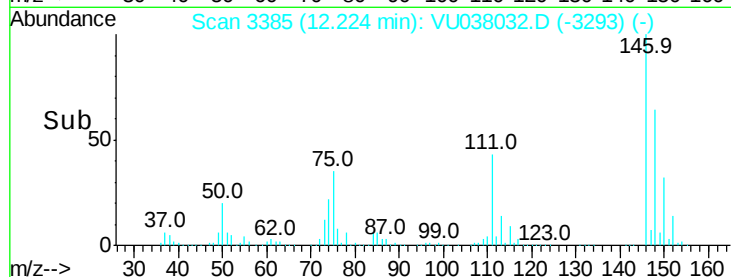
148 63.6 51.0 76.4



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: 18.060 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. -0.00 min

Lab File: VU038032.D

Acq: 07 May 2020 11:30

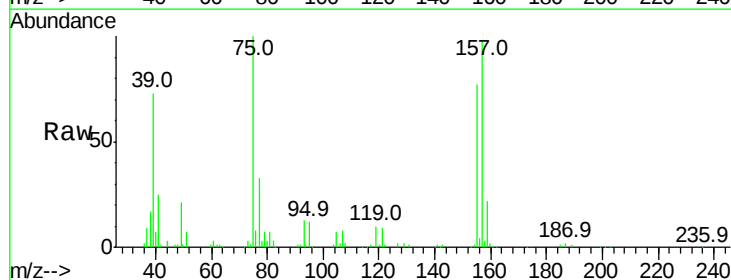
Tgt Ion: 75 Resp: 95346

Ion Ratio Lower Upper

75 100

155 76.5 58.2 87.2

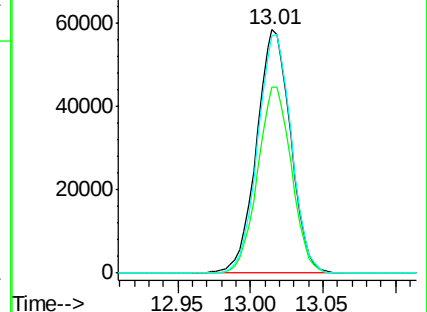
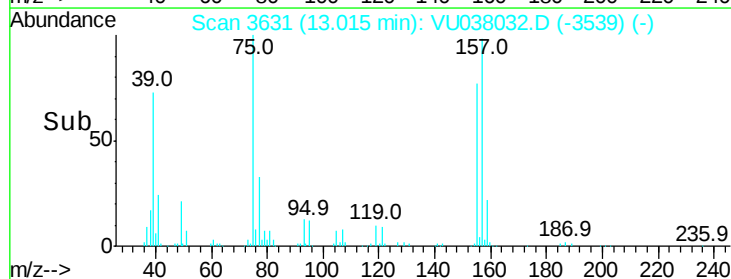
157 97.6 72.9 109.3

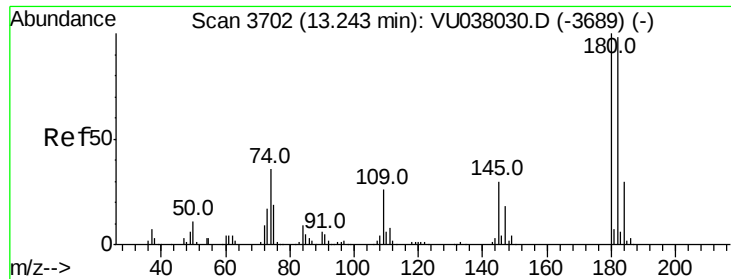


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

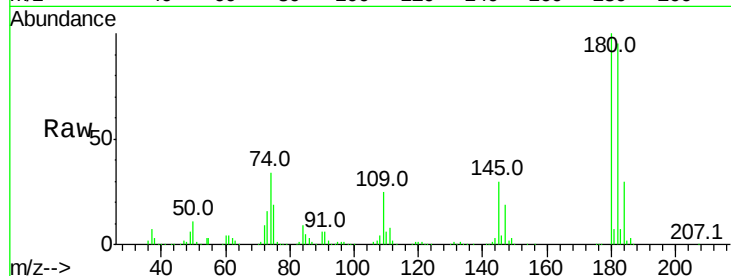




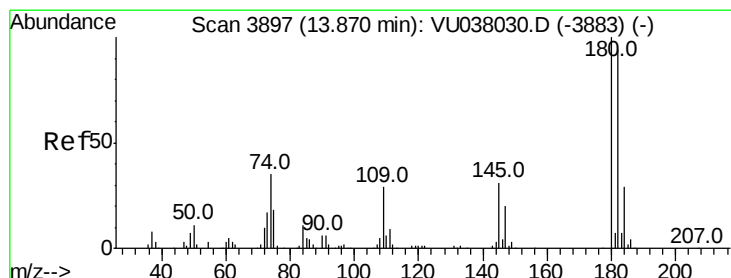
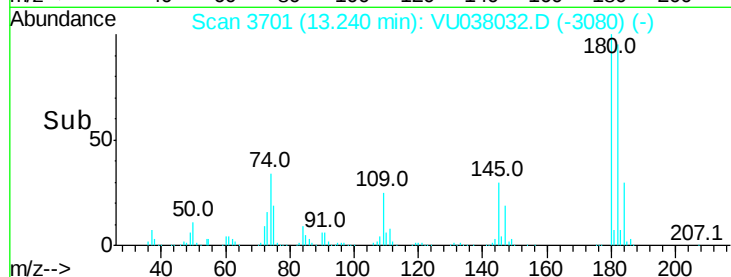
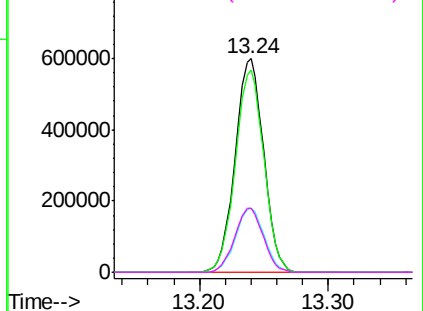
#67
 1,3,5-Trichlorobenzene
 Concen: 20.651 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU038032.D
 Acq: 07 May 2020 11:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02004

Tgt Ion:180 Resp: 916248
 Ion Ratio Lower Upper
 180 100
 182 94.9 77.4 116.2
 184 30.2 24.2 36.2
 145 30.1 24.0 36.0

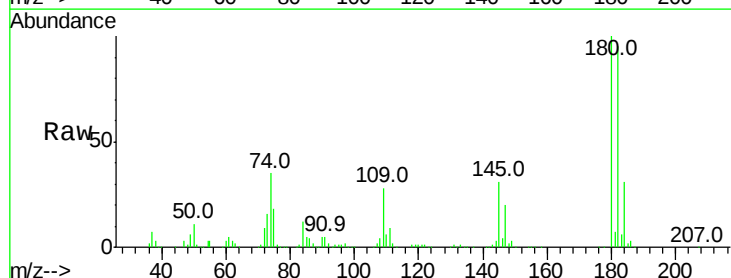


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

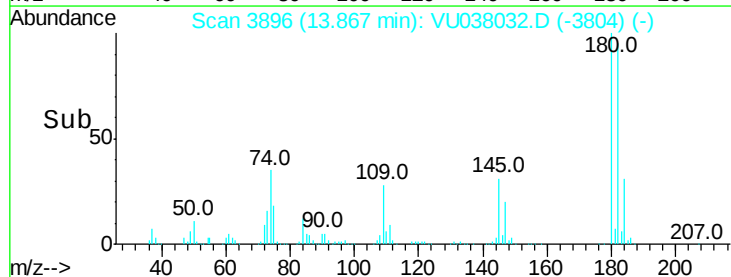
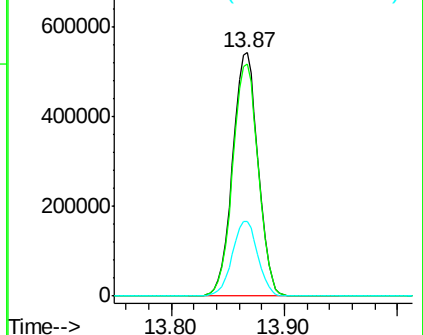


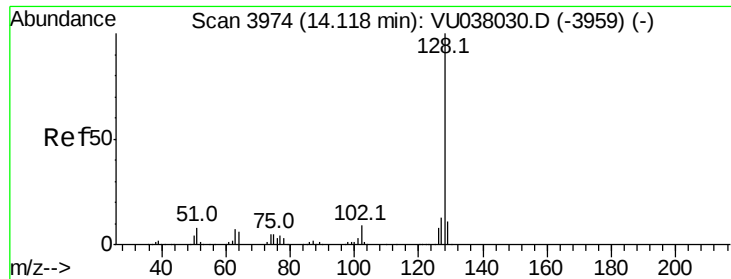
#68
 1,2,4-trichlorobenzene
 Concen: 20.828 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.00 min
 Lab File: VU038032.D
 Acq: 07 May 2020 11:30

Tgt Ion:180 Resp: 848192
 Ion Ratio Lower Upper
 180 100
 182 96.0 75.0 112.6
 145 31.0 24.8 37.2



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: 21.758 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU038032.D

Acq: 07 May 2020 11:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD02004

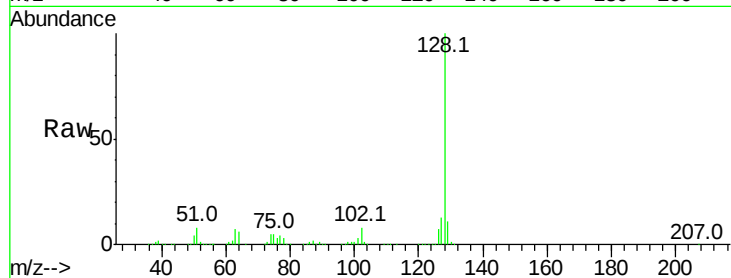
Tgt Ion:128 Resp: 1794430

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

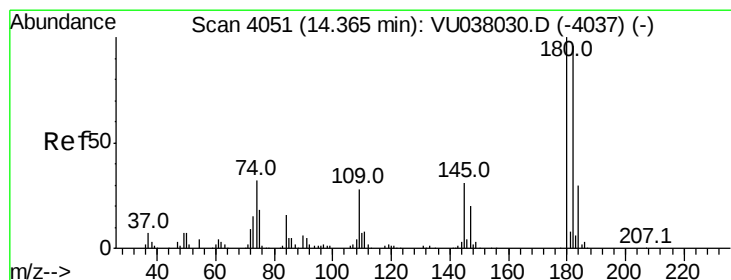
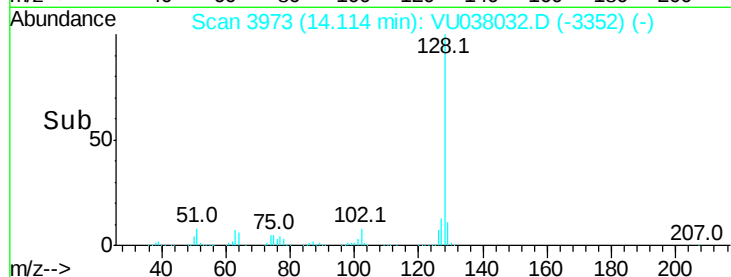
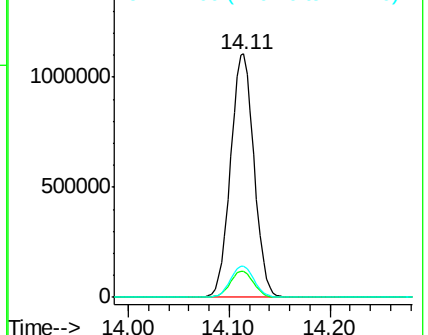
127 13.0 10.2 15.4



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: 21.060 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.01 min

Lab File: VU038032.D

Acq: 07 May 2020 11:30

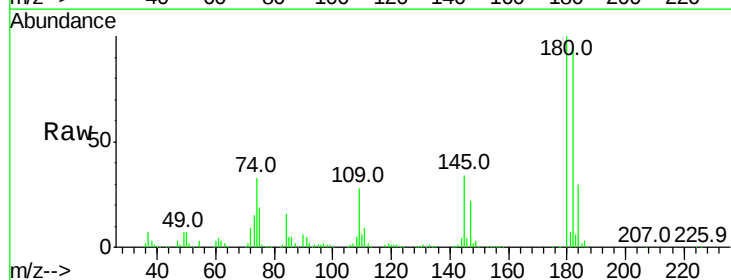
Tgt Ion:180 Resp: 764147

Ion Ratio Lower Upper

180 100

182 95.9 76.3 114.5

145 33.6 26.1 39.1



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

