

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU113020\
 Data File : VU041438.D
 Acq On : 30 Nov 2020 11:39
 Operator : SY/MD
 Sample : VSTD02031
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020201

Quant Time: Dec 01 00:31:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR113020WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 01 00:28:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	64995	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	65595	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	36437	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	93927	18.29	ug/L	0.00
7) Chloroethane-d5	1.92	69	68635	18.49	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	65	47358	20.16	ug/L	0.00
20) 2-Butanone-d5	4.65	46	303972	222.13	ug/L	0.00
24) Chloroform-d	5.08	84	208041	20.24	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	128084	20.14	ug/L	0.00
32) Benzene-d6	5.74	84	346077	21.01	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	106164	22.39	ug/L	0.00
41) Toluene-d8	7.91	98	337227	21.24	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	58279	23.00	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	239247	242.79	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.75	84	100862	20.53	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.19	152	135375	20.87	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	147945	19.534	ug/L 99
3) Chloromethane	1.53	50	107121	17.510	ug/L 100
5) Vinyl chloride	1.61	62	114585	19.176	ug/L 97
6) Bromomethane	1.86	94	68368	21.114	ug/L 97
8) Chloroethane	1.94	64	63256	17.042	ug/L 99
9) Trichlorofluoromethane	2.15	101	223661	20.919	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	103937	20.695	ug/L 96
12) 1,1-Dichloroethene	2.59	96	88971	20.778	ug/L 92
13) Acetone	2.66	43	209204	200.603	ug/L 99
14) Carbon disulfide	2.81	76	250213	20.329	ug/L 99
15) Methyl Acetate	2.97	43	45255	21.343	ug/L 97
16) Methylene chloride	3.06	84	98576	15.299	ug/L 98
17) Methyl tert-butyl Ether	3.38	73	274280	22.286	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	92225	21.317	ug/L 93
19) 1,1-Dichloroethane	3.89	63	187147	21.379	ug/L 96
21) 2-Butanone	4.73	43	329485	221.483	ug/L 100
22) cis-1,2-Dichloroethene	4.69	96	104645	21.447	ug/L 95
23) Bromochloromethane	4.99	128	48402	20.631	ug/L 97
25) Chloroform	5.11	83	209518	20.245	ug/L 99
27) 1,2-Dichloroethane	5.81	62	158427	20.862	ug/L 98
29) 1,1,1-Trichloroethane	5.33	97	199582	21.475	ug/L 98
30) Cyclohexane	5.40	56	158633	23.979	ug/L 99
31) Carbon tetrachloride	5.54	117	181323	21.473	ug/L 98
33) Benzene	5.79	78	392983	21.407	ug/L 100
34) Trichloroethene	6.55	95	108770	22.147	ug/L 97
35) Methylcyclohexane	6.77	83	164798	24.227	ug/L 98
37) 1,2-Dichloropropane	6.80	63	102852	22.205	ug/L 99
38) Bromodichloromethane	7.11	83	159033	21.694	ug/L 99
39) cis-1,3-Dichloropropene	7.62	75	169545	23.355	ug/L 97
40) 4-Methyl-2-pentanone	7.80	43	785067	239.285	ug/L 100

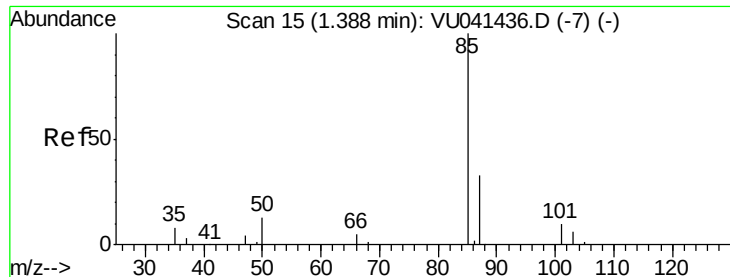
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU113020\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	442382	22.494	ug/L	99
44) trans-1,3-Dichloropropene	8.22	75	164058	23.282	ug/L	100
45) 1,1,2-Trichloroethane	8.41	97	77168	20.731	ug/L	99
47) Tetrachloroethene	8.56	164	82289	21.571	ug/L	99
48) 2-Hexanone	8.69	43	598205	235.015	ug/L	100
49) Dibromochloromethane	8.82	129	109082	22.106	ug/L	97
50) 1,2-Dibromoethane	8.93	107	76675	20.896	ug/L	97
51) Chlorobenzene	9.45	112	281614	21.126	ug/L	99
52) Ethylbenzene	9.57	91	515325	22.857	ug/L	99
53) m,p-Xylene	9.69	106	188392	23.113	ug/L	95
54) o-Xylene	10.10	106	184725	23.577	ug/L	95
55) Styrene	10.11	104	324703	23.430	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.78	83	105076	21.238	ug/L	99
59) Bromoform	10.29	173	64205	22.034	ug/L	96
60) Isopropylbenzene	10.48	105	520029	23.361	ug/L	100
61) 1,2,3-Trichloropropane	10.82	75	80490	20.756	ug/L	96
62) 1,3,5-Trimethylbenzene	11.09	105	468272	24.685	ug/L	100
63) 1,2,4-Trimethylbenzene	11.46	105	479120	24.458	ug/L	97
64) 1,3-Dichlorobenzene	11.74	146	238516	20.997	ug/L	99
65) 1,4-Dichlorobenzene	11.83	146	238867	20.559	ug/L	98
67) 1,2-Dichlorobenzene	12.21	146	231340	21.003	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.99	75	22777	22.594	ug/L	96
69) 1,3,5-Trichlorobenzene	13.21	180	192190	21.984	ug/L	99
70) 1,2,4-trichlorobenzene	13.83	180	168341	23.094	ug/L	97
71) Naphthalene	14.08	128	312892	24.970	ug/L	99
72) 1,2,3-Trichlorobenzene	14.32	180	152326	22.341	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 19.534 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU041438.D

Acq: 30 Nov 2020 11:39

Instrument :

MSVOA_U

ClientSampleId :

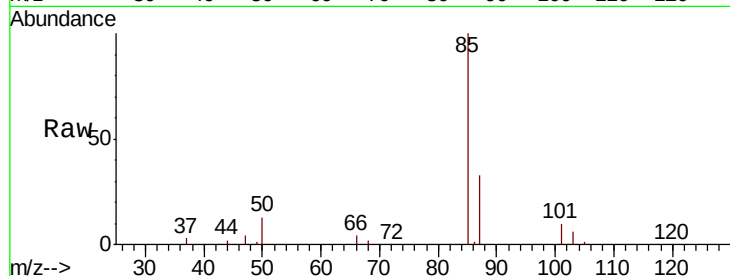
VSTD020201

Tot Ion: 85 Resp: 147945

Ion Ratio Lower Upper

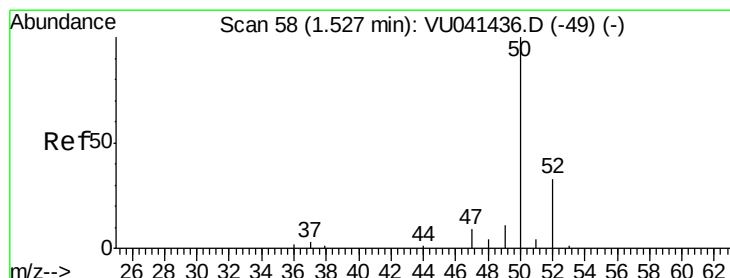
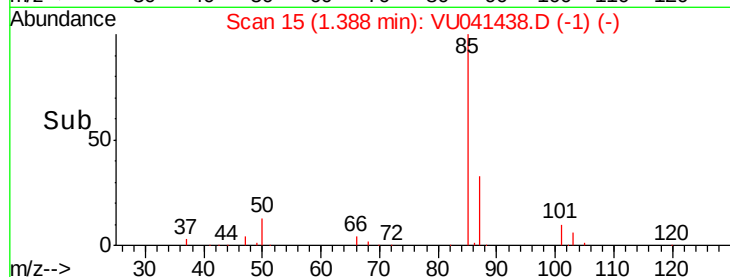
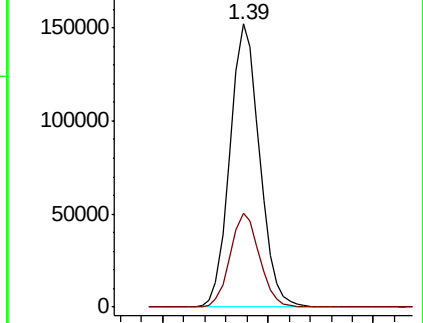
85 100

87 32.8 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 17.510 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU041438.D

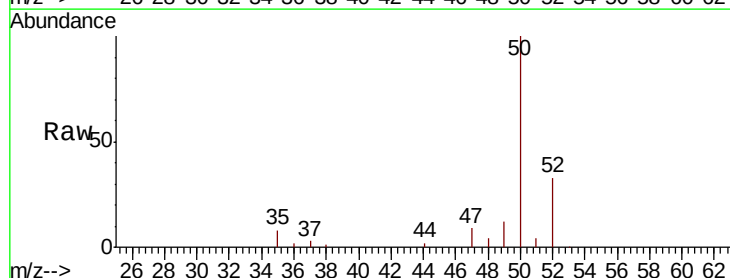
Acq: 30 Nov 2020 11:39

Tgt Ion: 50 Resp: 107121

Ion Ratio Lower Upper

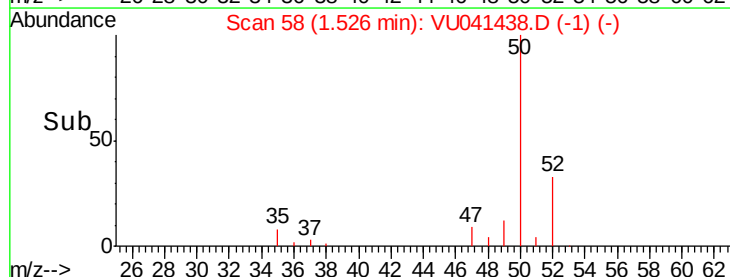
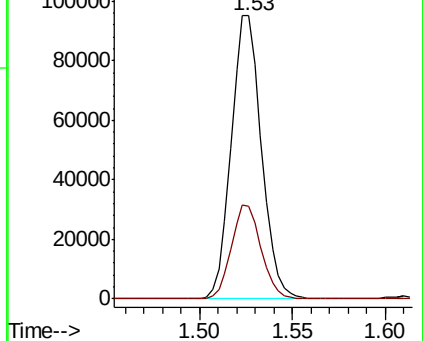
50 100

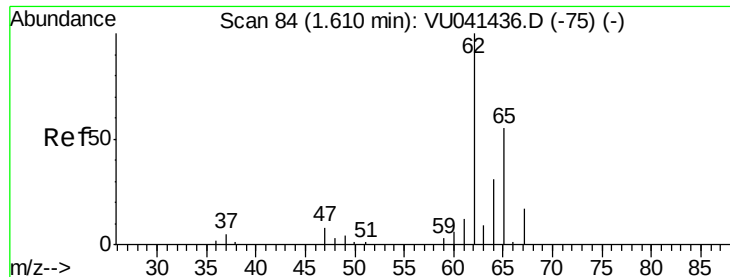
52 32.8 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 19.176 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU041438.D

Acq: 30 Nov 2020 11:39

Instrument :

MSVOA_U

ClientSampleId :

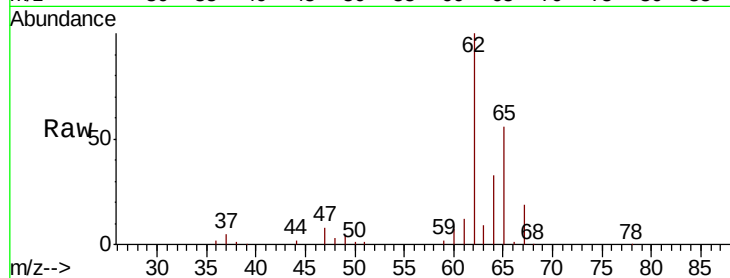
VSTD020201

Tot Ion: 62 Resp: 114585

Ion Ratio Lower Upper

62 100

64 32.9 22.0 40.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.61

120000

100000

80000

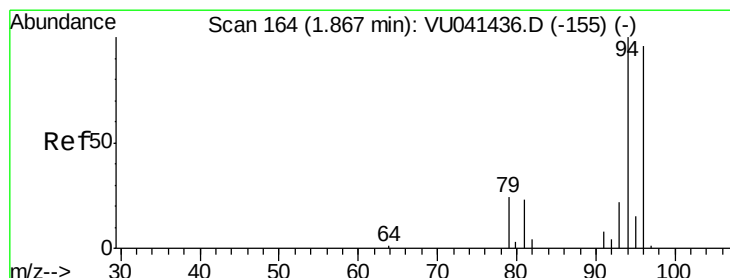
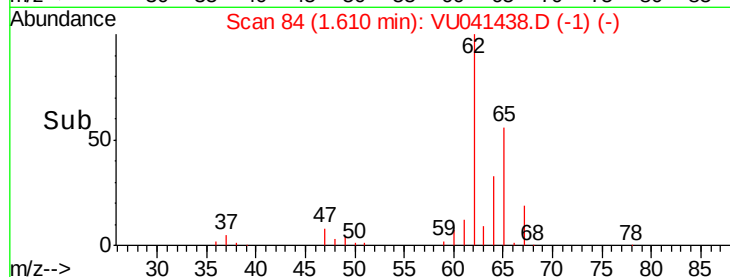
60000

40000

20000

0

Time--> 1.55 1.60 1.65



#6

Bromomethane

Concen: 21.114 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU041438.D

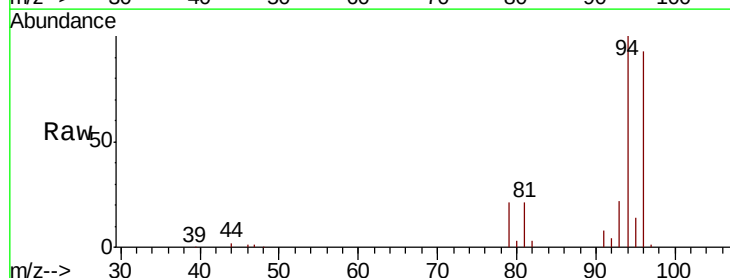
Acq: 30 Nov 2020 11:39

Tgt Ion: 94 Resp: 68368

Ion Ratio Lower Upper

94 100

96 93.3 67.5 125.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.86

60000

50000

40000

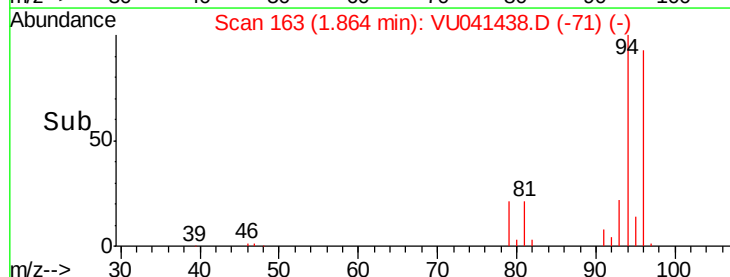
30000

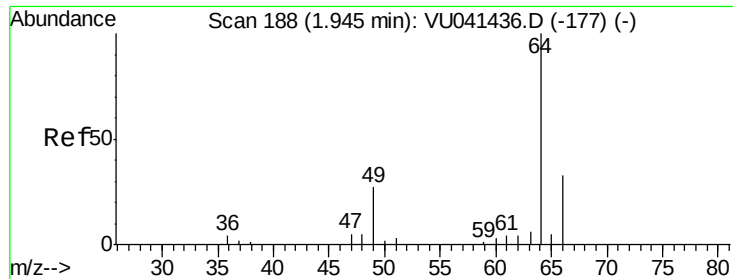
20000

10000

0

Time--> 1.80 1.85 1.90





#8

Chloroethane

Concen: 17.042 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU041438.D

Acq: 30 Nov 2020 11:39

Instrument :

MSVOA_U

ClientSampleId :

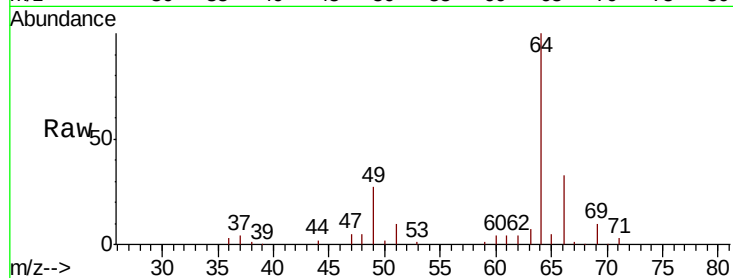
VSTD020201

Tot Ion: 64 Resp: 63256

Ion Ratio Lower Upper

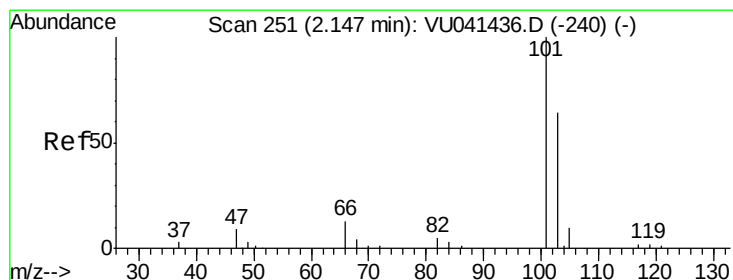
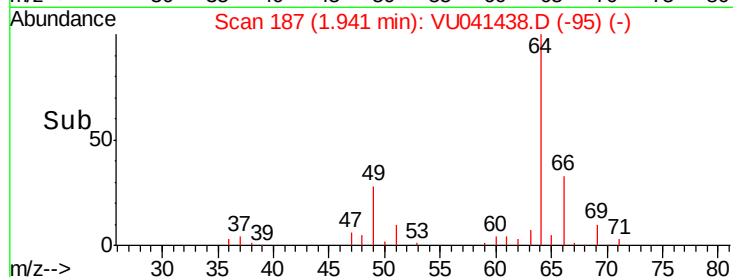
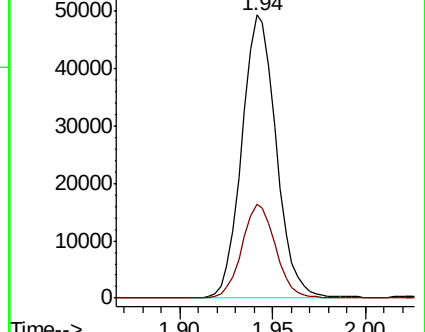
64 100

66 33.2 23.0 42.8



Abundance Ion 64.10 (63.80 to 64.80): VU041438.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU041438.D (-177) (-)



#9

Trichlorofluoromethane

Concen: 20.919 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.00 min

Lab File: VU041438.D

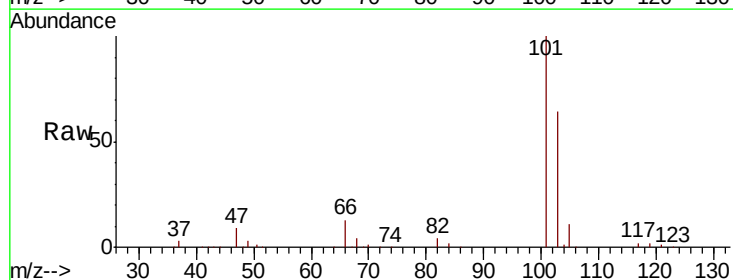
Acq: 30 Nov 2020 11:39

Tgt Ion: 101 Resp: 223661

Ion Ratio Lower Upper

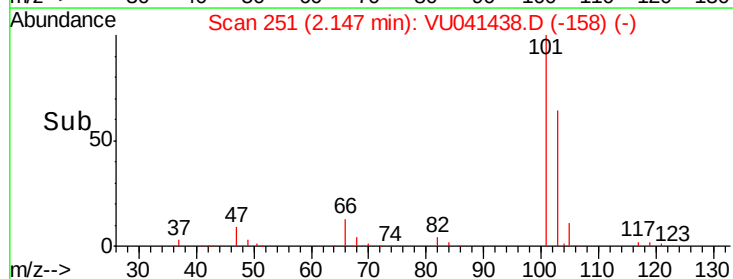
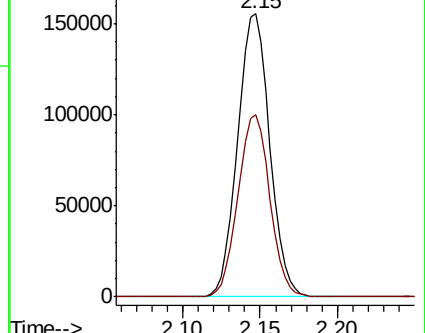
101 100

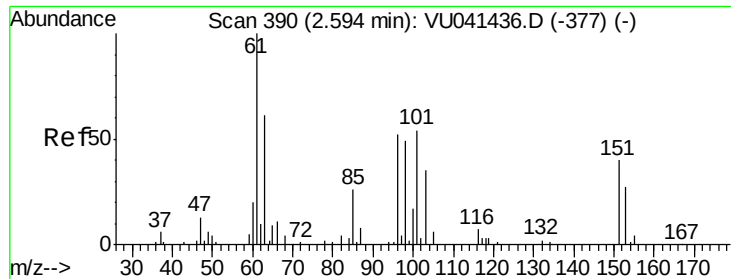
103 64.1 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): VU041438.D (-240) (-)

Ion 103.00 (102.70 to 103.70): VU041438.D (-240) (-)





#10

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

Concen: 20.695 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041438.D

Acq: 30 Nov 2020 11:39

Instrument :

MSVOA_U

ClientSampled :

VSTD020201

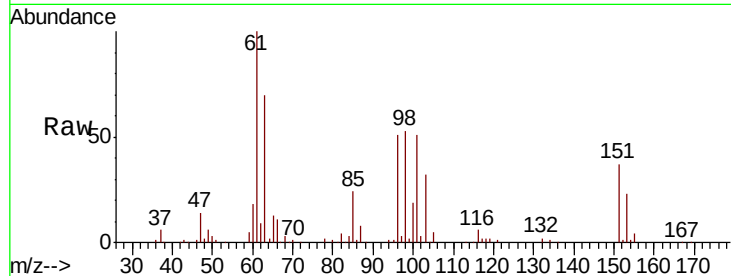
Tot Ion:101 Resp: 103937

Ion Ratio Lower Upper

101 100

85 45.8 39.4 59.0

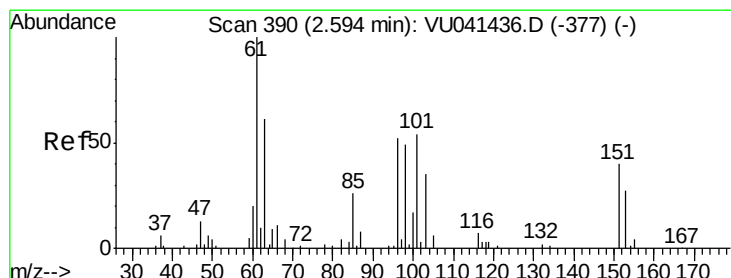
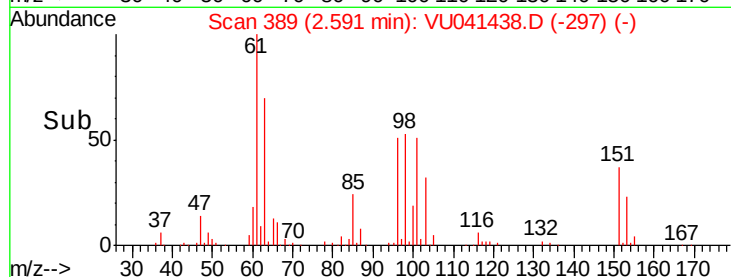
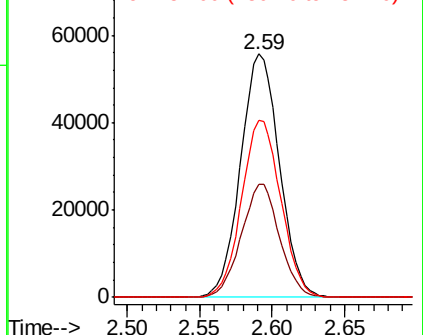
151 73.3 60.7 91.1



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: 20.778 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041438.D

Acq: 30 Nov 2020 11:39

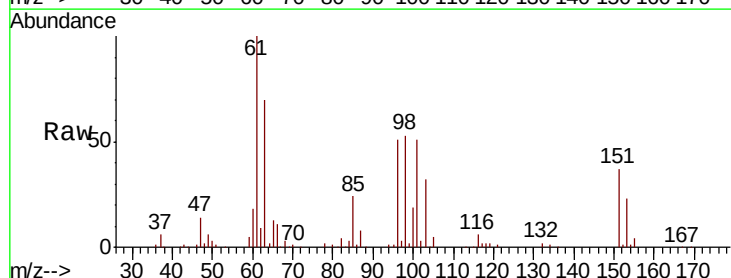
Tgt Ion: 96 Resp: 88971

Ion Ratio Lower Upper

96 100

61 197.3 133.3 247.7

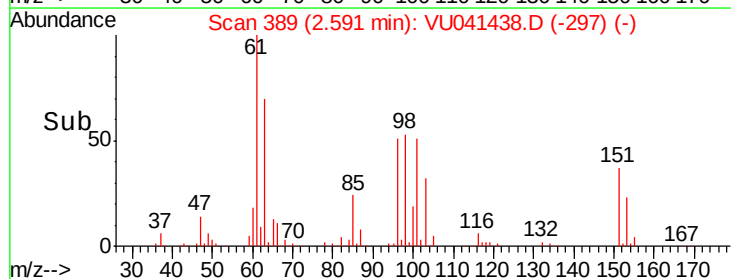
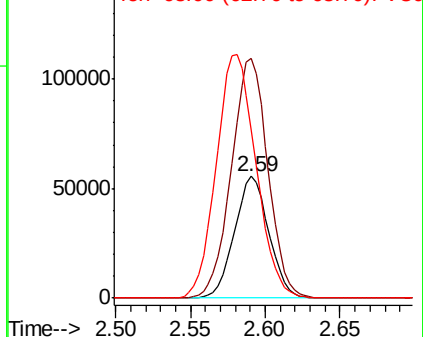
63 138.1 86.6 160.8

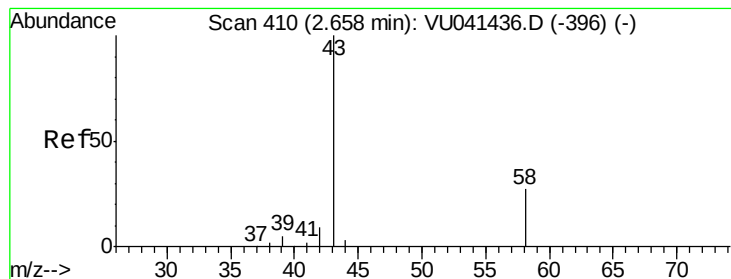


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 200.603 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU041438.D

Acq: 30 Nov 2020 11:39

Instrument :

MSVOA_U

ClientSampleId :

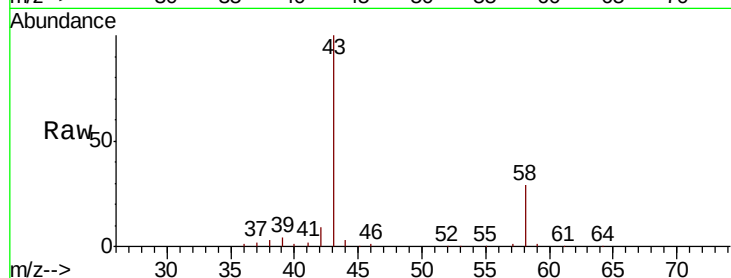
VSTD020201

Tot Ion: 43 Resp: 209204

Ion Ratio Lower Upper

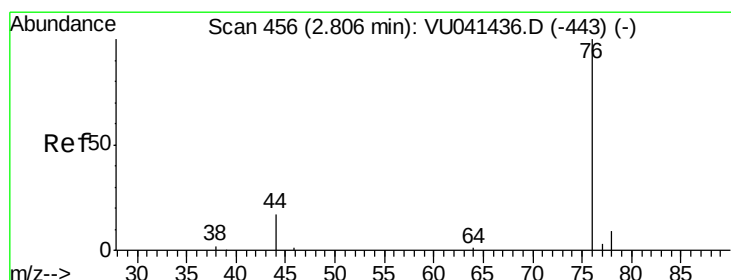
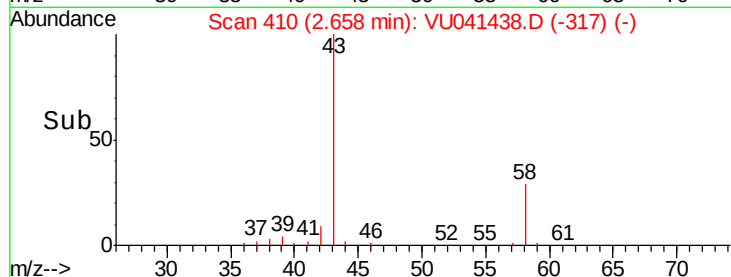
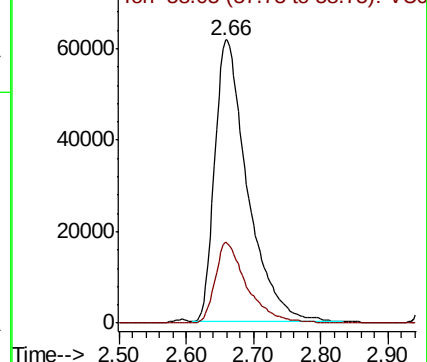
43 100

58 27.9 0.0 54.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 20.329 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU041438.D

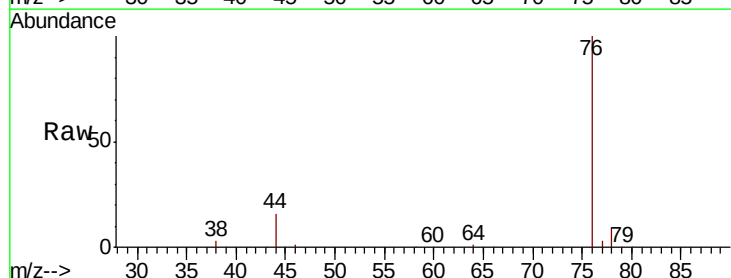
Acq: 30 Nov 2020 11:39

Tgt Ion: 76 Resp: 250213

Ion Ratio Lower Upper

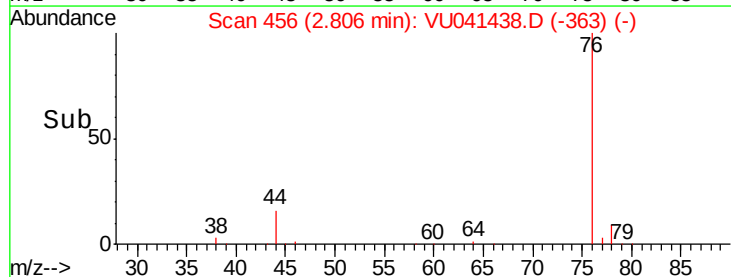
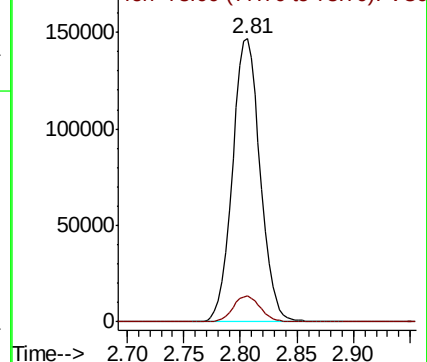
76 100

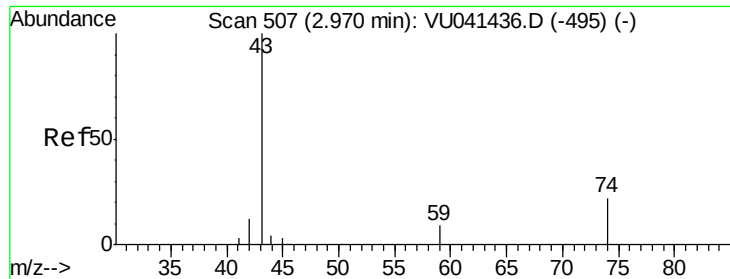
78 9.1 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

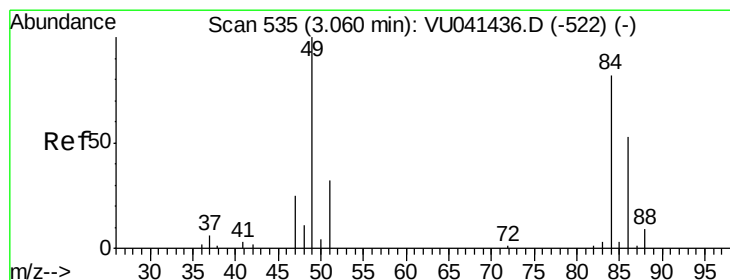
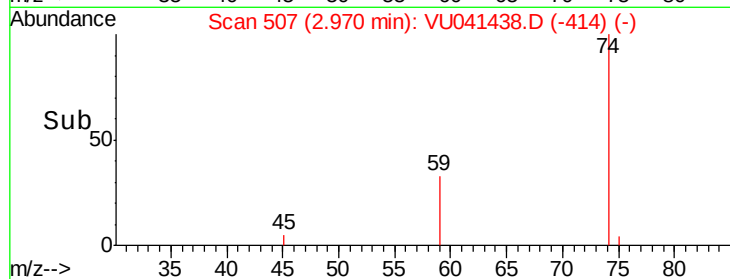
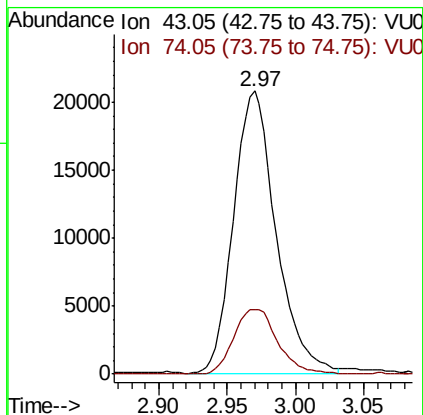
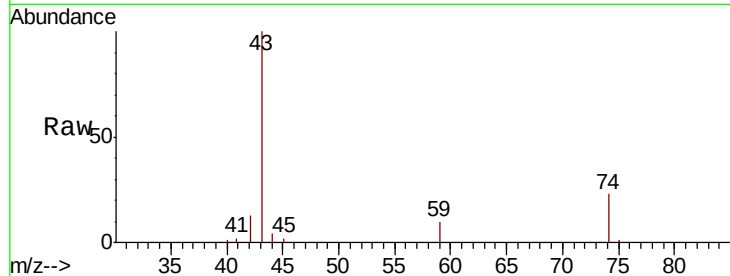




#15
Methyl Acetate
Concen: 21.343 ug/L
RT: 2.97 min Scan# 507
Delta R.T. -0.00 min
Lab File: VU041438.D
Acq: 30 Nov 2020 11:39

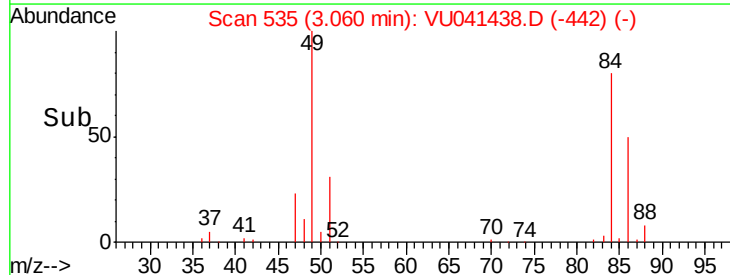
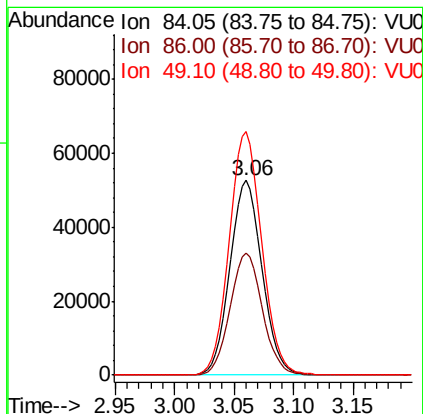
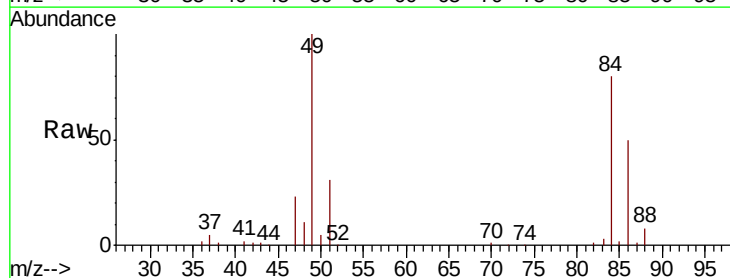
Instrument :
MSVOA_U
ClientSampleId :
VSTD020201

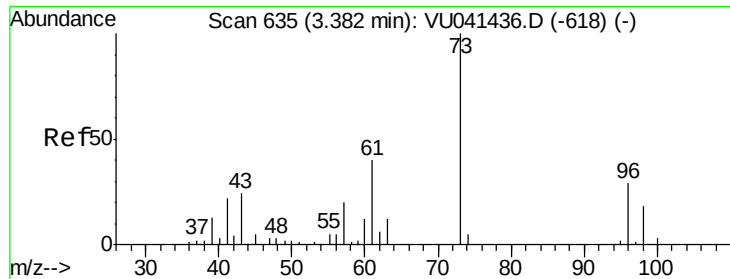
Tot Ion: 43 Resp: 45255
Ion Ratio Lower Upper
43 100
74 23.6 17.8 26.6



#16
Methylene chloride
Concen: 15.299 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU041438.D
Acq: 30 Nov 2020 11:39

Tgt Ion: 84 Resp: 98576
Ion Ratio Lower Upper
84 100
86 63.1 44.8 83.2
49 125.2 85.3 158.3

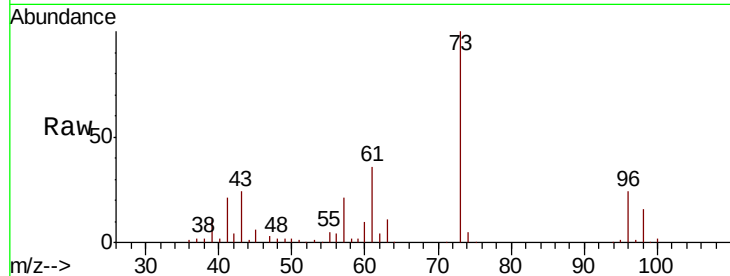




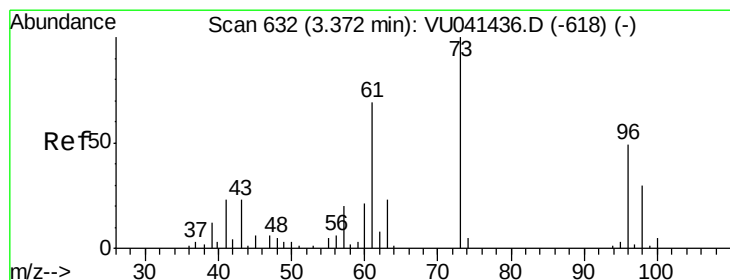
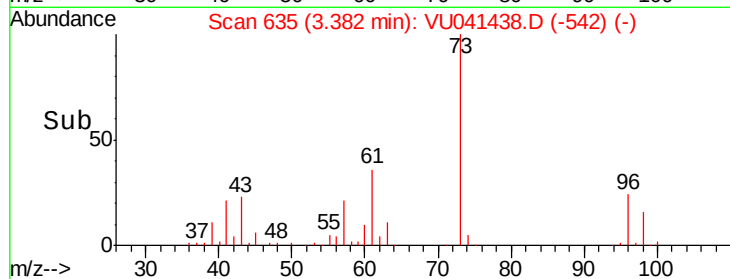
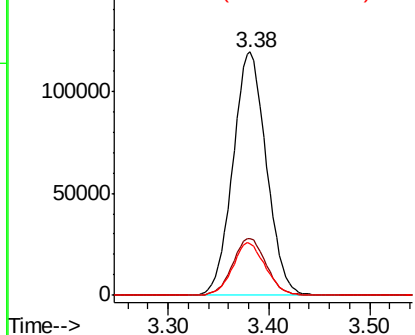
#17
Methyl tert-butyl Ether
Concen: 22.286 ug/L
RT: 3.38 min Scan# 635
Delta R.T. -0.00 min
Lab File: VU041438.D
Acq: 30 Nov 2020 11:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD020201

Tot Ion: 73 Resp: 274280
Ion Ratio Lower Upper
73 100
43 23.4 19.2 28.8
57 21.2 16.5 24.7

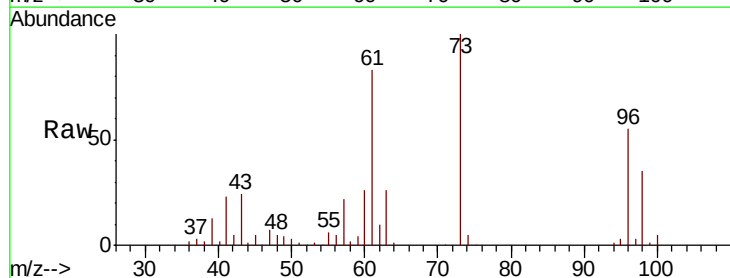


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

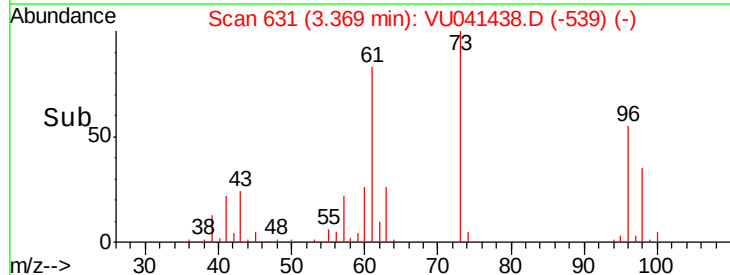
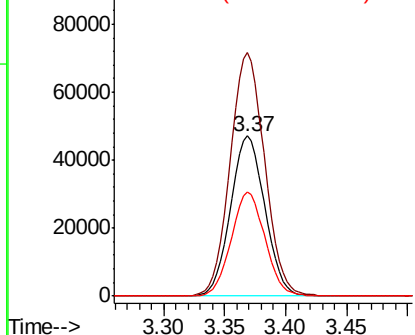


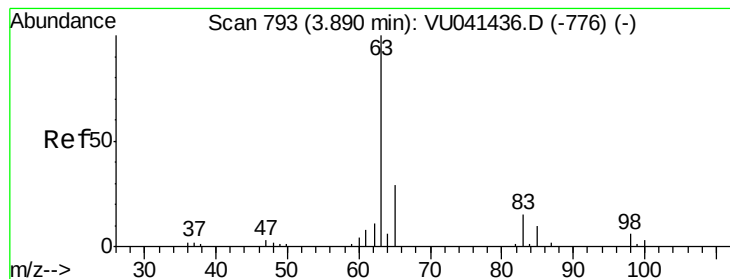
#18
trans-1,2-Dichloroethene
Concen: 21.317 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU041438.D
Acq: 30 Nov 2020 11:39

Tgt Ion: 96 Resp: 92225
Ion Ratio Lower Upper
96 100
61 151.9 100.0 185.6
98 64.9 42.6 79.2



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: 21.379 ug/L

RT: 3.89 min Scan# 792

Delta R.T. -0.00 min

Lab File: VU041438.D

Acq: 30 Nov 2020 11:39

Instrument :

MSVOA_U

ClientSampled :

VSTD020201

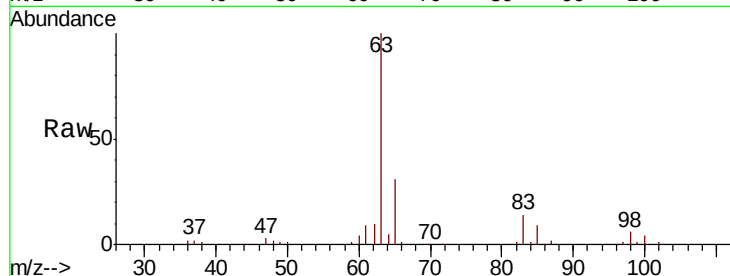
Tot Ion: 63 Resp: 187147

Ion Ratio Lower Upper

63 100

65 31.0 20.2 37.6

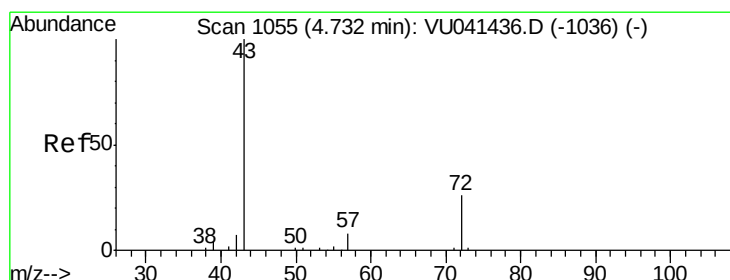
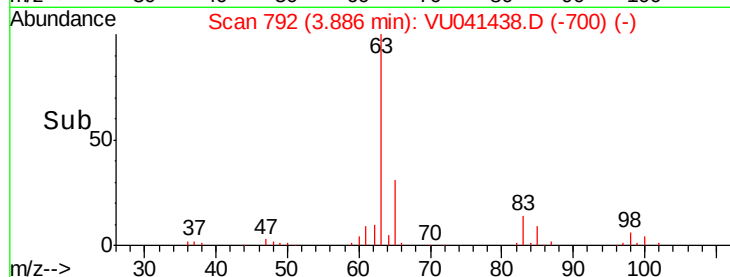
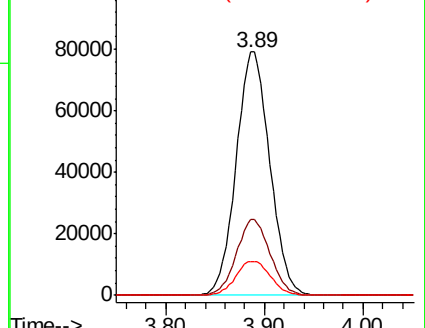
83 14.1 10.8 20.0



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0



#21

2-Butanone

Concen: 221.483 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VU041438.D

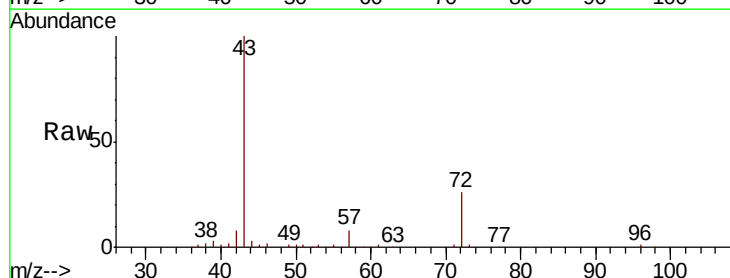
Acq: 30 Nov 2020 11:39

Tgt Ion: 43 Resp: 329485

Ion Ratio Lower Upper

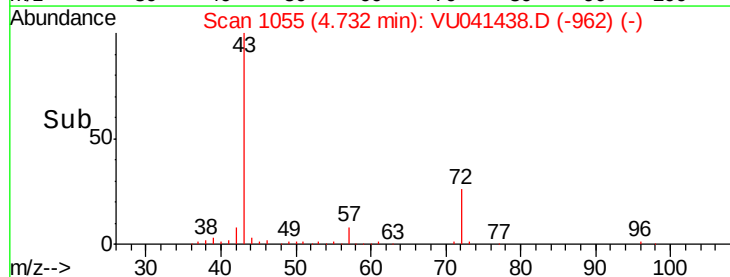
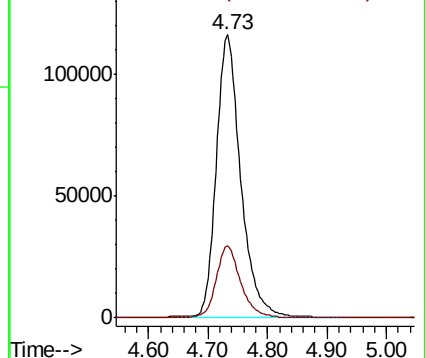
43 100

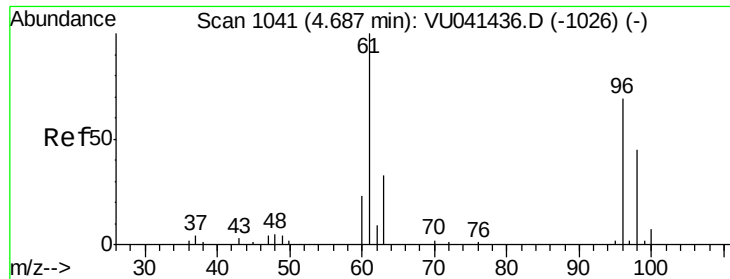
72 25.8 12.9 38.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 21.447 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VU041438.D

Acq: 30 Nov 2020 11:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD020201

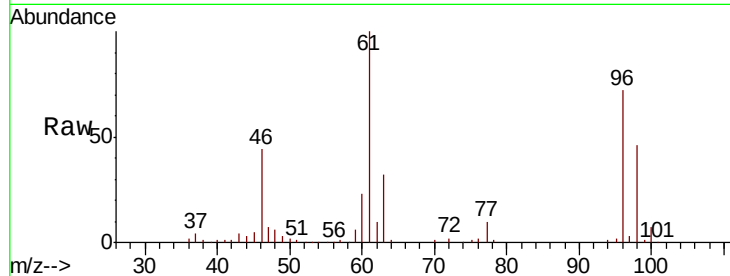
Tot Ion: 96 Resp: 104645

Ion Ratio Lower Upper

96 100

61 138.4 102.2 189.8

98 63.0 45.6 84.6

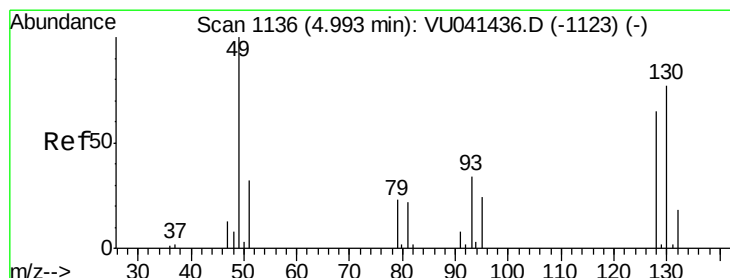
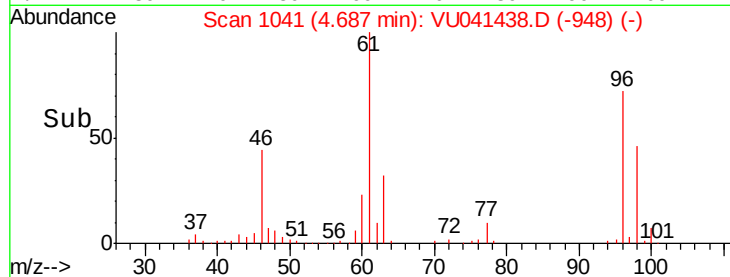
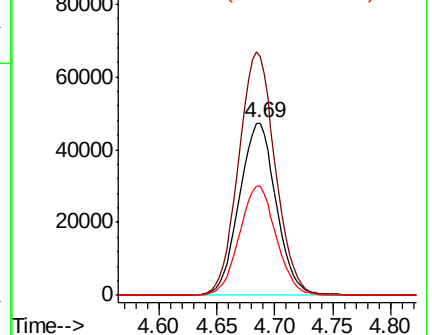


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 98.00 (97.70 to 98.70): VU0



#23

Bromochloromethane

Concen: 20.631 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VU041438.D

Acq: 30 Nov 2020 11:39

Tgt Ion:128 Resp: 48402

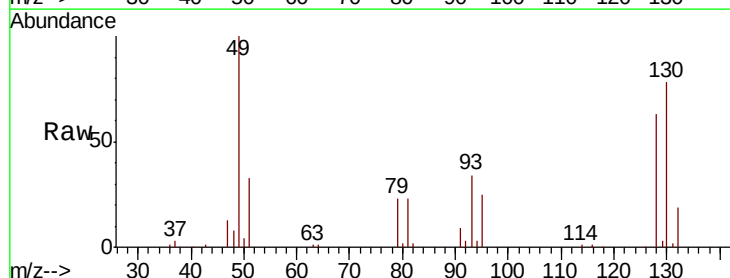
Ion Ratio Lower Upper

128 100

49 160.0 110.3 204.9

130 125.5 84.4 156.8

51 52.8 39.3 58.9



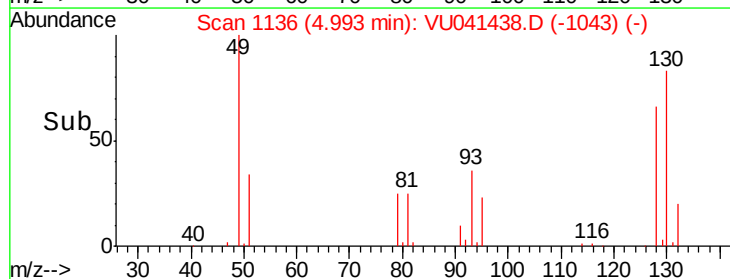
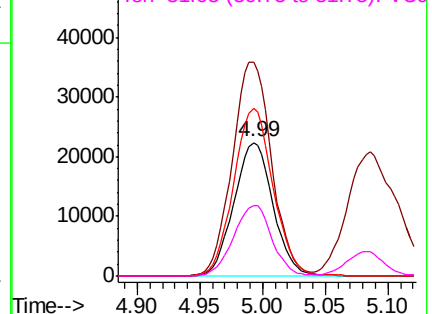
Abundance

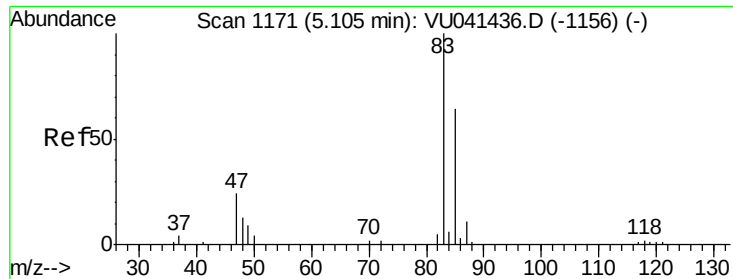
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

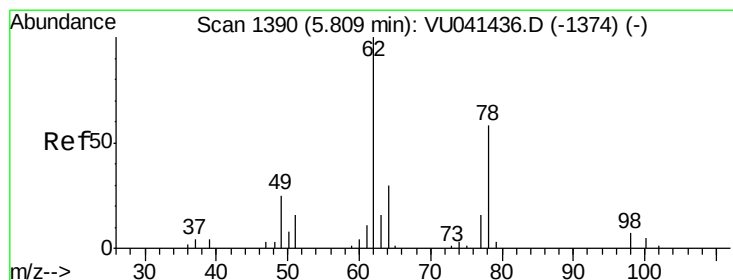
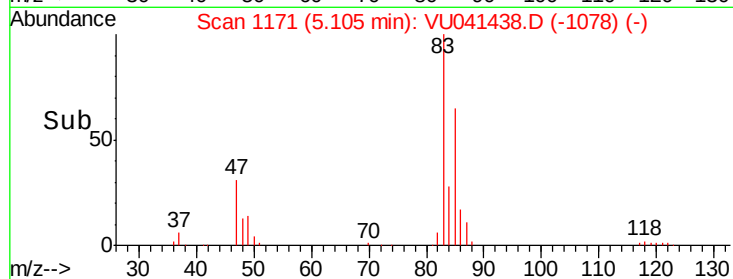
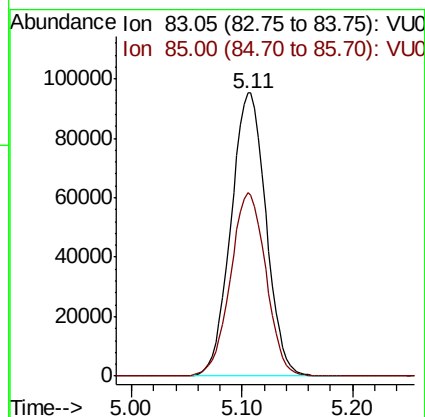
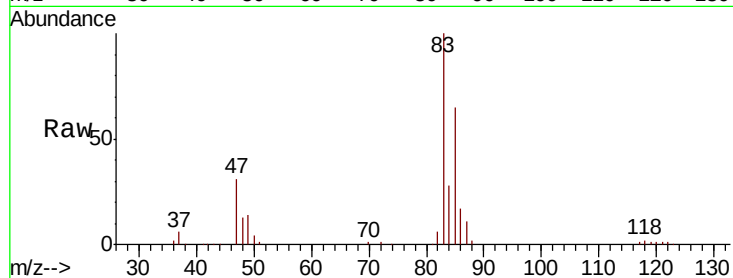




#25
Chloroform
Concen: 20.245 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU041438.D
Acq: 30 Nov 2020 11:39

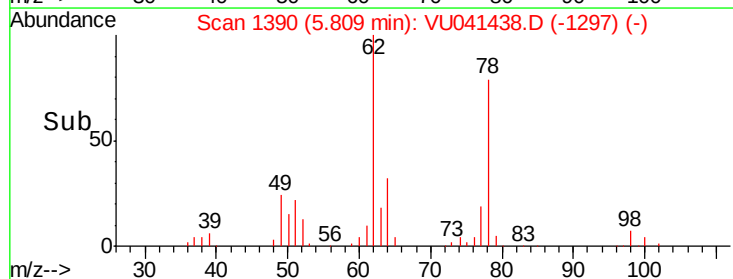
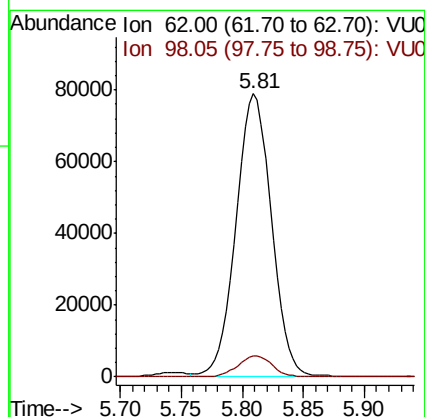
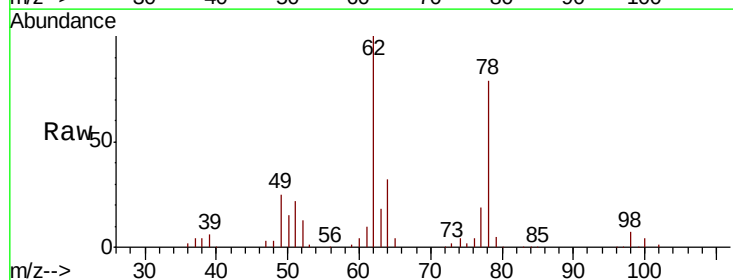
Instrument :
MSVOA_U
ClientSampleId :
VSTD020201

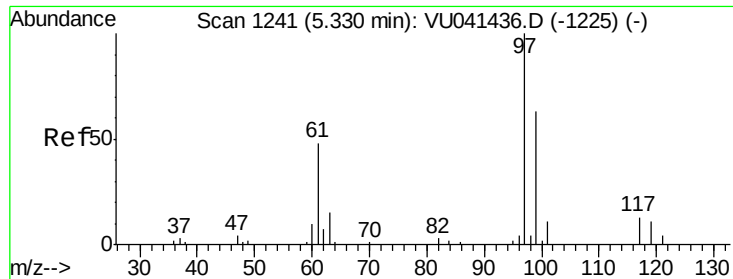
Tot Ion: 83 Resp: 209518
Ion Ratio Lower Upper
83 100
85 64.7 44.6 82.8



#27
1,2-Dichloroethane
Concen: 20.862 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU041438.D
Acq: 30 Nov 2020 11:39

Tgt Ion: 62 Resp: 158427
Ion Ratio Lower Upper
62 100
98 7.3 5.4 8.0

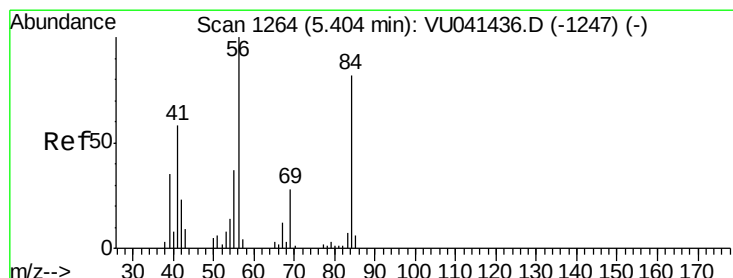
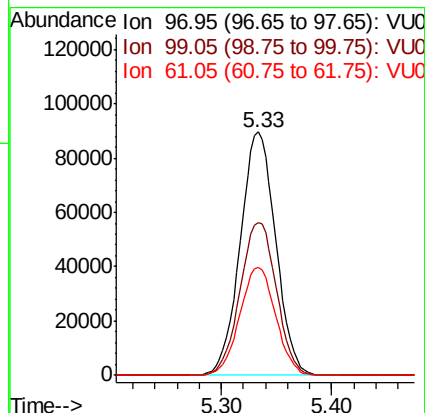
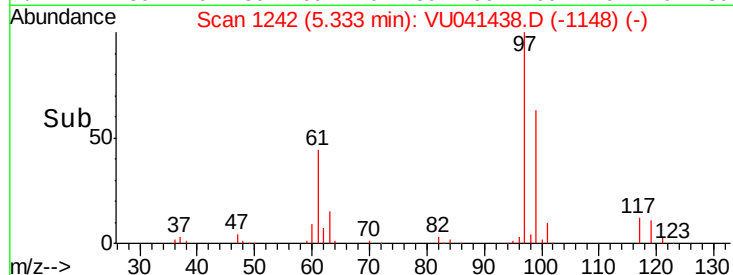
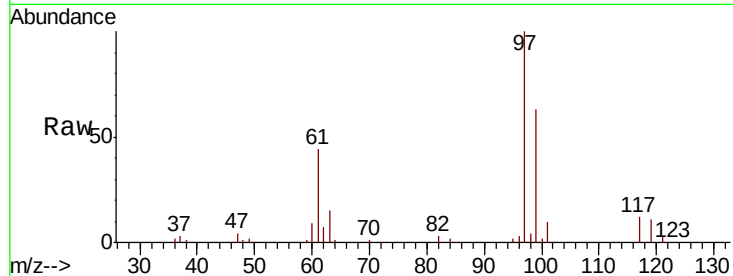




#29
 1,1,1-Trichloroethane
 Concen: 21.475 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU041438.D
 Acq: 30 Nov 2020 11:39

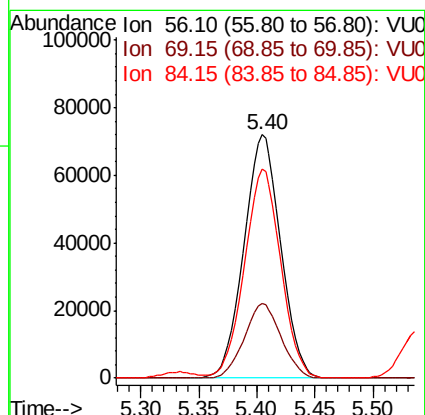
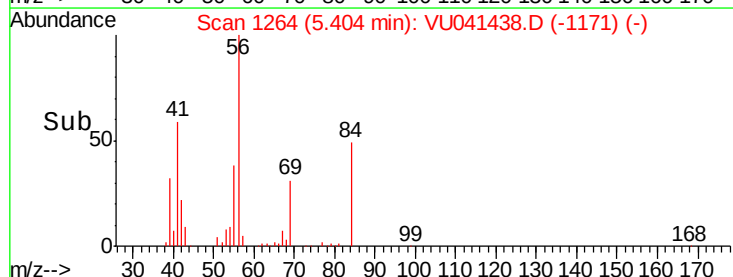
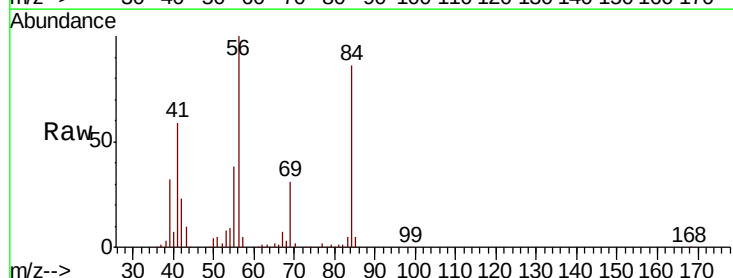
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020201

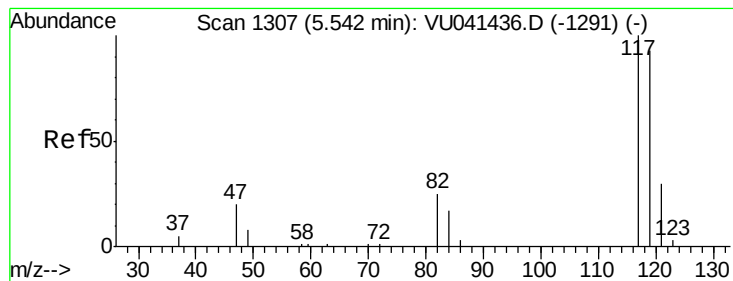
Tot Ion: 97 Resp: 199582
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.0 76.6
 61 45.1 38.1 57.1



#30
 Cyclohexane
 Concen: 23.979 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU041438.D
 Acq: 30 Nov 2020 11:39

Tgt Ion: 56 Resp: 158633
 Ion Ratio Lower Upper
 56 100
 69 30.6 23.2 34.8
 84 84.8 67.8 101.6





#31

Carbon tetrachloride

Concen: 21.473 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU041438.D

Acq: 30 Nov 2020 11:39

Instrument :

MSVOA_U

ClientSampleId :

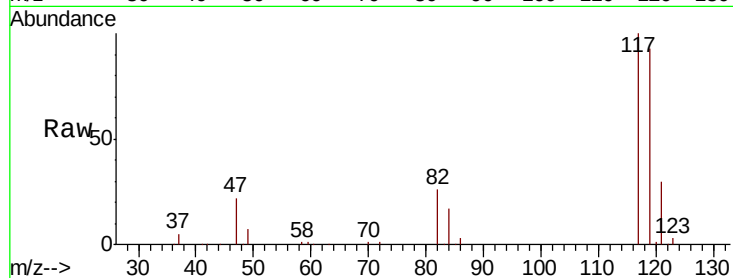
VSTD020201

Tot Ion:117 Resp: 181323

Ion Ratio Lower Upper

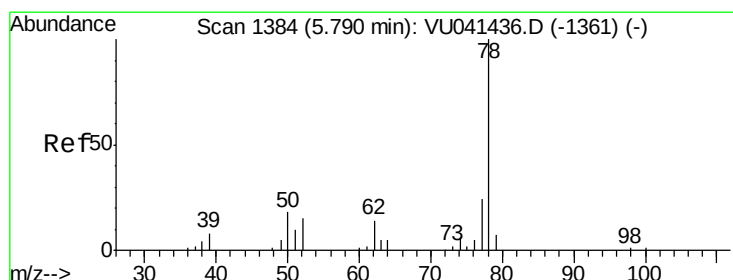
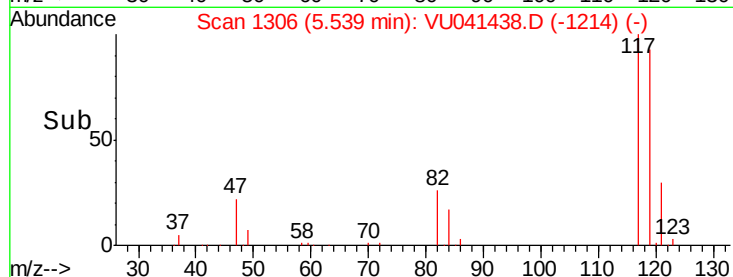
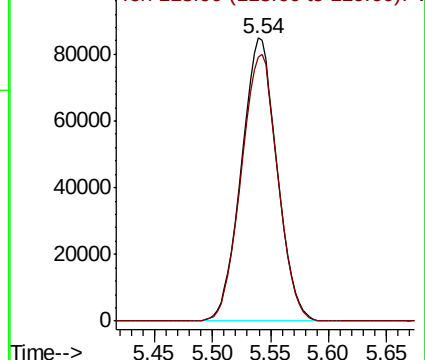
117 100

119 96.4 75.8 113.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 21.407 ug/L

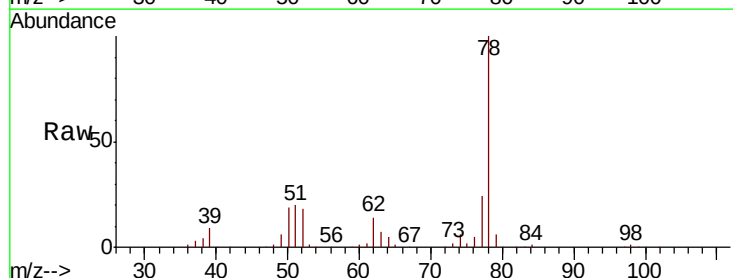
RT: 5.79 min Scan# 1384

Delta R.T. -0.00 min

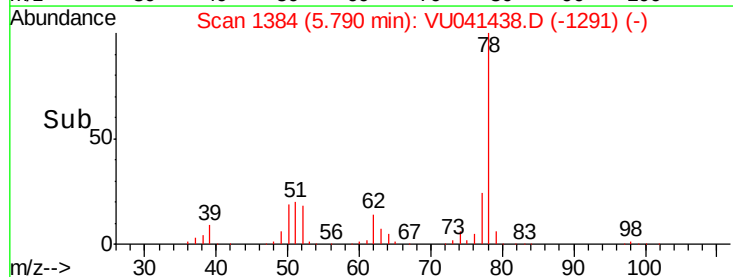
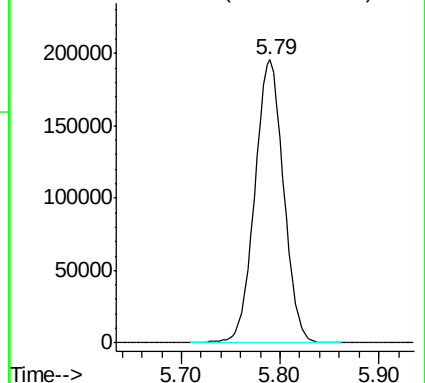
Lab File: VU041438.D

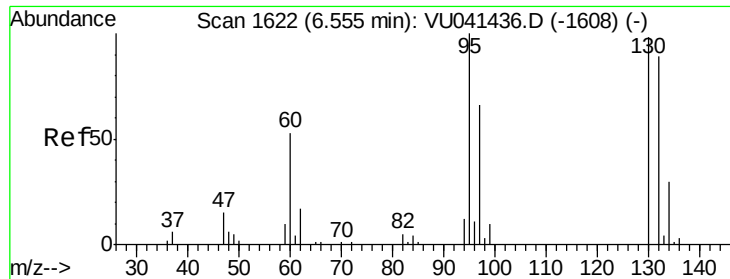
Acq: 30 Nov 2020 11:39

Tgt Ion: 78 Resp: 392983



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 22.147 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU041438.D

Acq: 30 Nov 2020 11:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD020201

Tot Ion: 95 Resp: 108770

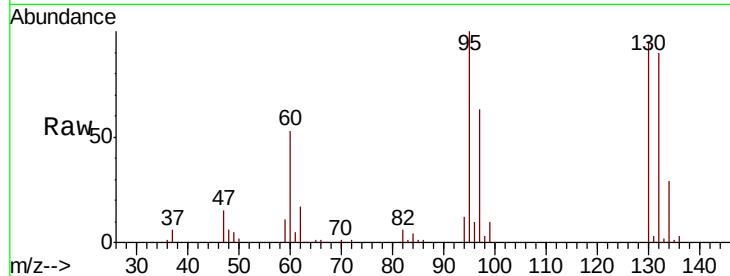
Ion Ratio Lower Upper

95 100

97 63.4 46.4 86.2

132 89.9 62.2 115.6

130 94.9 68.7 127.5

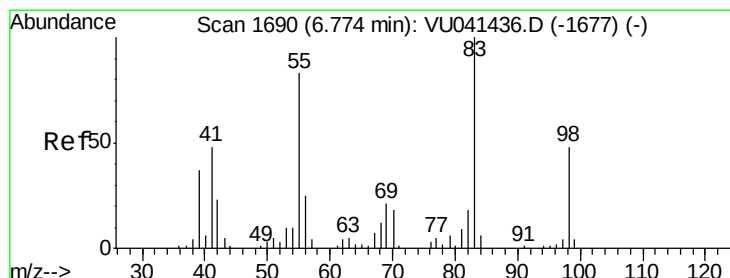
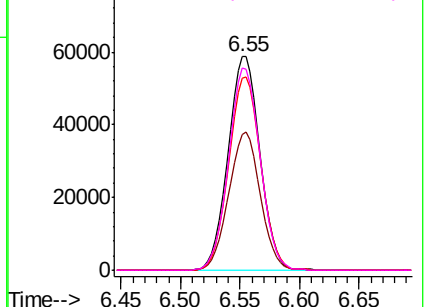
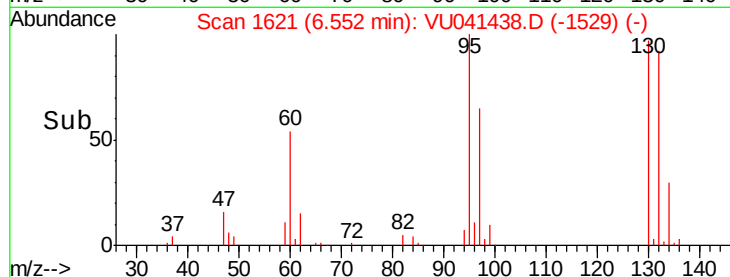


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 24.227 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VU041438.D

Acq: 30 Nov 2020 11:39

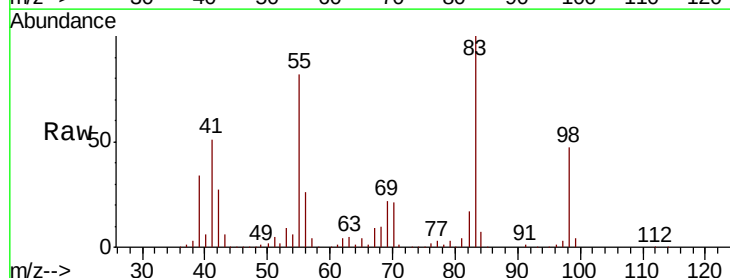
Tgt Ion: 83 Resp: 164798

Ion Ratio Lower Upper

83 100

55 81.5 67.0 100.6

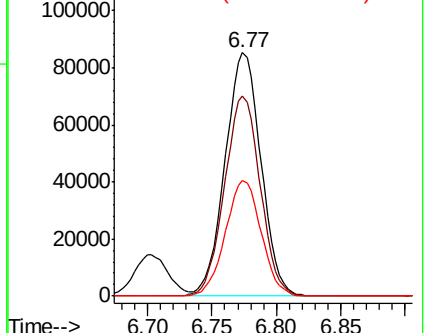
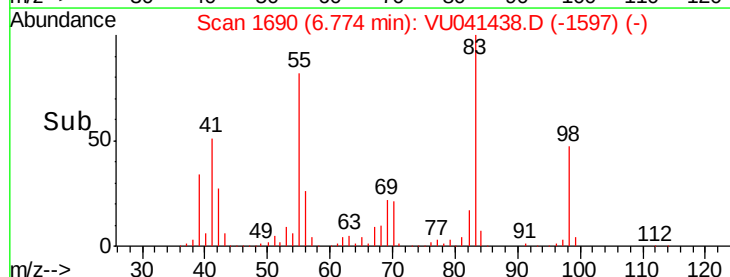
98 47.4 38.2 57.4

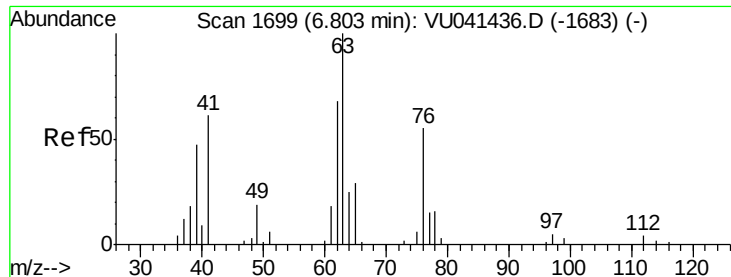


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

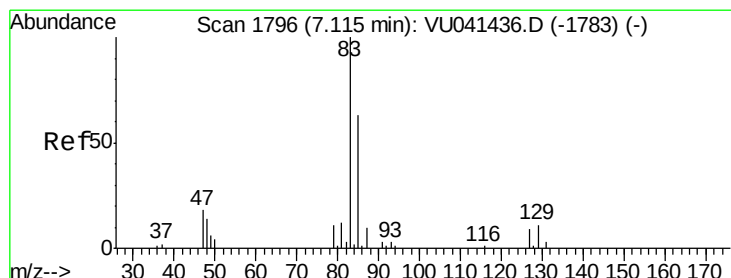
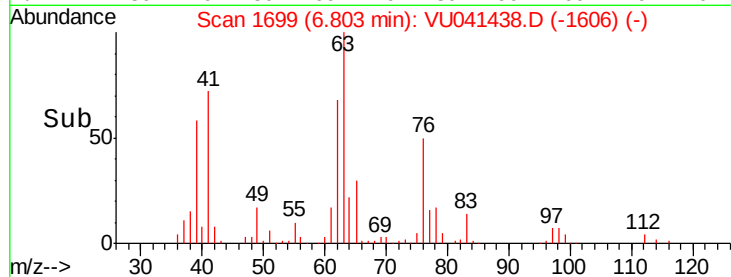
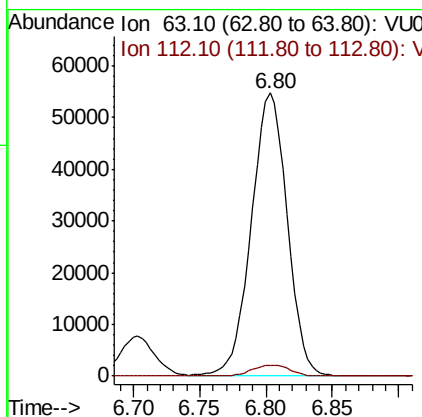
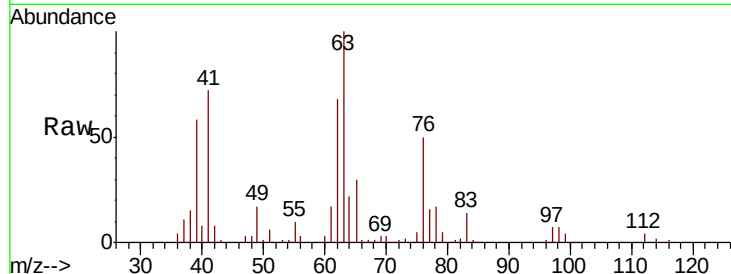




#37
 1,2-Dichloropropane
 Concen: 22.205 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU041438.D
 Acq: 30 Nov 2020 11:39

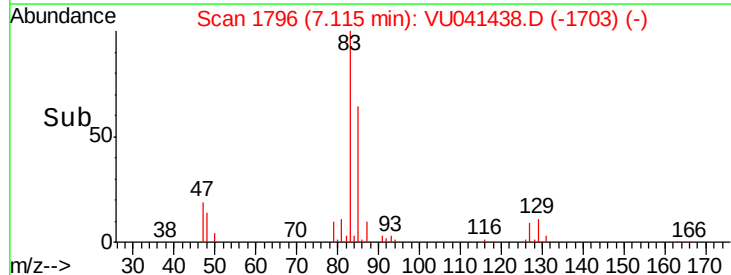
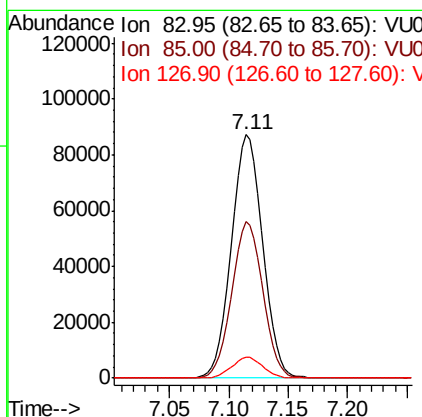
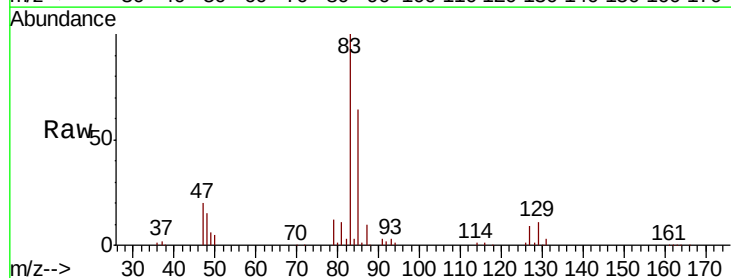
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020201

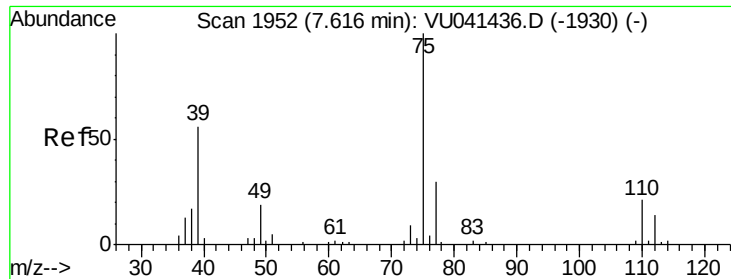
Tot Ion: 63 Resp: 102852
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.2 4.8



#38
 Bromodichloromethane
 Concen: 21.694 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU041438.D
 Acq: 30 Nov 2020 11:39

Tgt Ion: 83 Resp: 159033
 Ion Ratio Lower Upper
 83 100
 85 64.1 44.2 82.2
 127 8.7 7.0 10.6

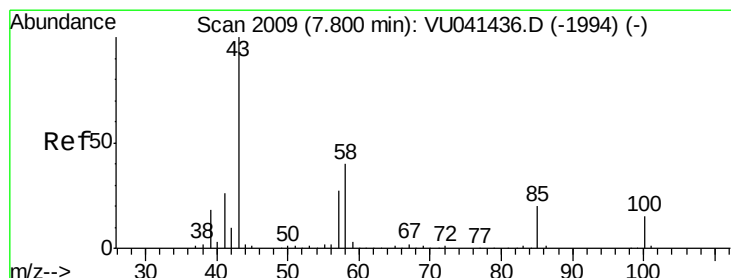
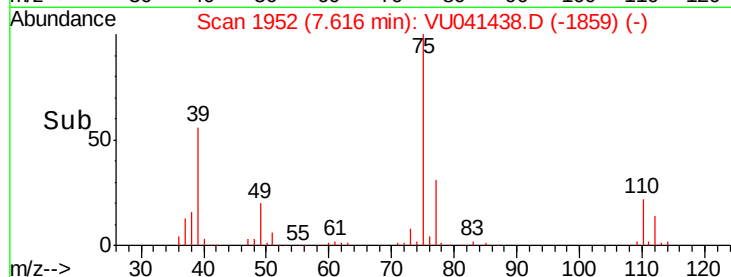
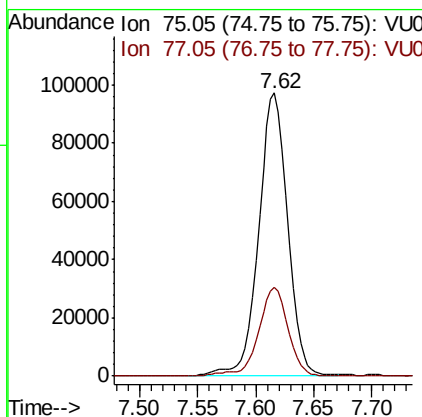
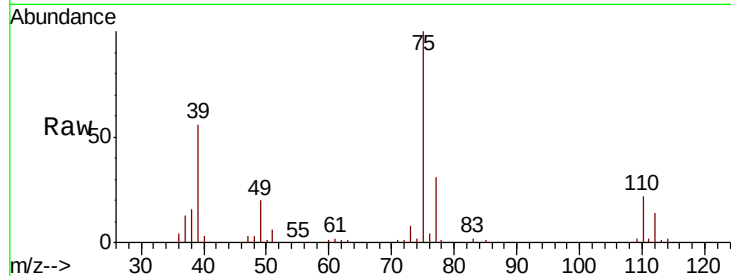




#39
 cis-1,3-Dichloropropene
 Concen: 23.355 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU041438.D
 Acq: 30 Nov 2020 11:39

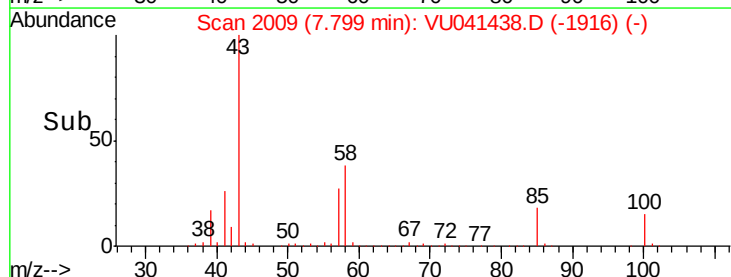
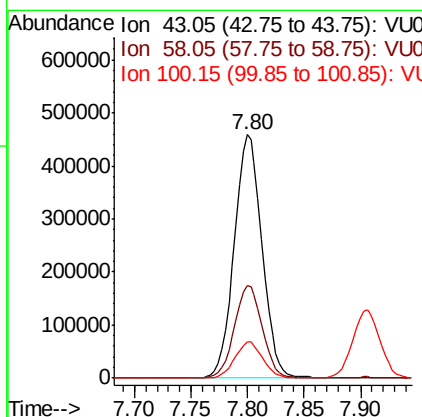
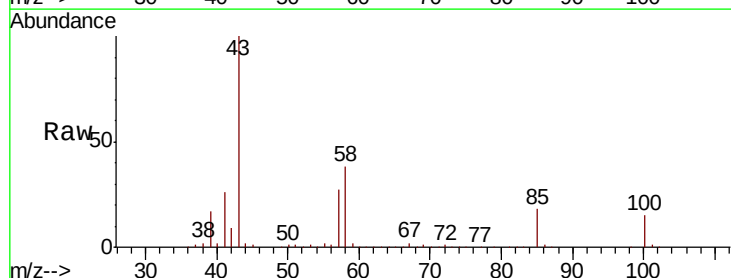
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD020201

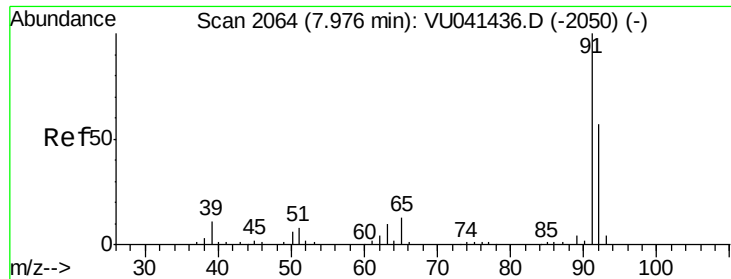
Tot Ion: 75 Resp: 169545
 Ion Ratio Lower Upper
 75 100
 77 31.5 21.0 39.0



#40
 4-Methyl-2-pentanone
 Concen: 239.285 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU041438.D
 Acq: 30 Nov 2020 11:39

Tgt Ion: 43 Resp: 785067
 Ion Ratio Lower Upper
 43 100
 58 38.1 30.5 45.7
 100 14.8 12.1 18.1





#42

Toluene

Concen: 22.494 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU041438.D

Acq: 30 Nov 2020 11:39

Instrument :

MSVOA_U

ClientSampleId :

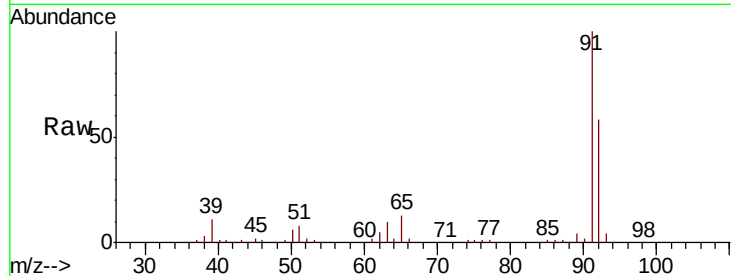
VSTD020201

Tot Ion: 91 Resp: 442382

Ion Ratio Lower Upper

91 100

92 57.7 39.7 73.7



Abundance Ion 91.15 (90.85 to 91.85): VU041438.D (-2050) (-)

Ion 92.15 (91.85 to 92.85): VU041438.D (-2050) (-)

7.98

250000

200000

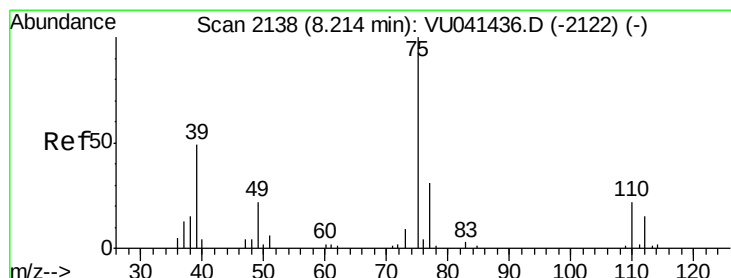
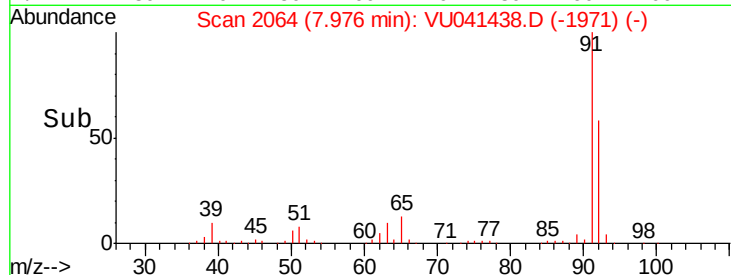
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 23.282 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU041438.D

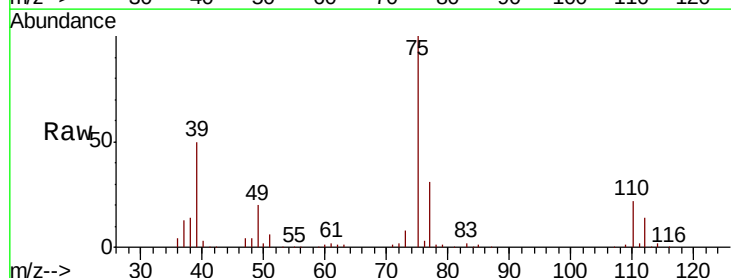
Acq: 30 Nov 2020 11:39

Tgt Ion: 75 Resp: 164058

Ion Ratio Lower Upper

75 100

77 31.0 21.5 39.9



Abundance Ion 75.05 (74.75 to 75.75): VU041438.D (-2045) (-)

Ion 77.05 (76.75 to 77.75): VU041438.D (-2045) (-)

8.22

100000

80000

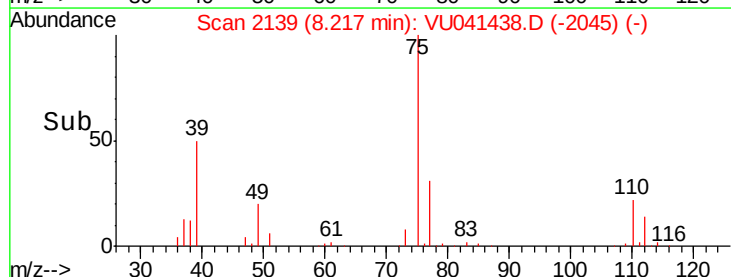
60000

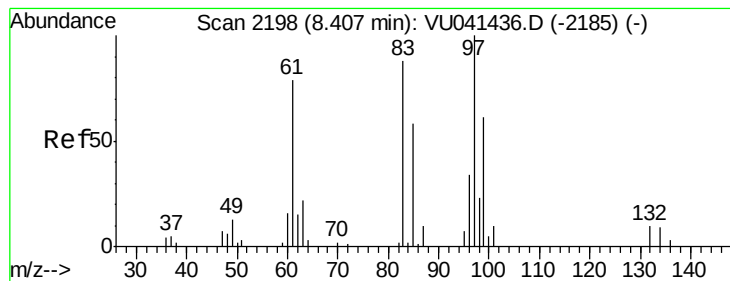
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 20.731 ug/L

RT: 8.41 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU041438.D

Acq: 30 Nov 2020 11:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD020201

Tot Ion: 97 Resp: 77168

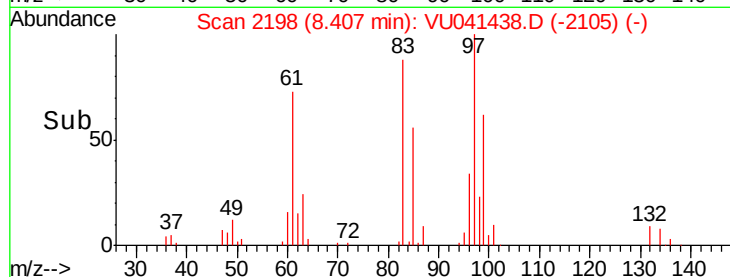
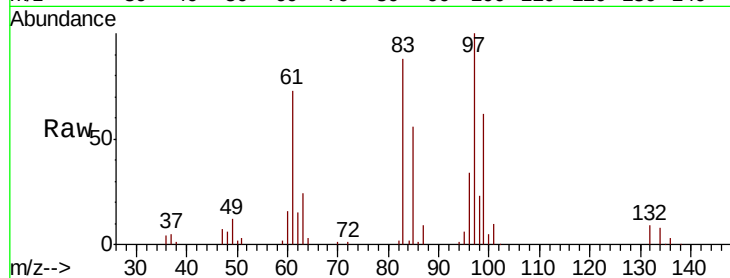
Ion Ratio Lower Upper

97 100

99 61.9 42.8 79.4

83 87.8 61.9 114.9

85 56.5 40.7 75.7

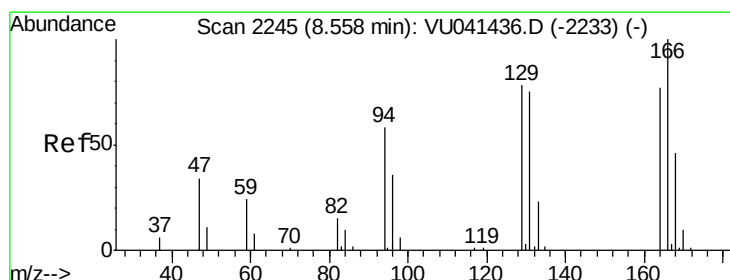
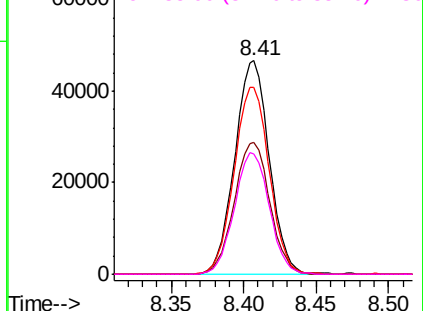


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 21.571 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VU041438.D

Acq: 30 Nov 2020 11:39

Tgt Ion:164 Resp: 82289

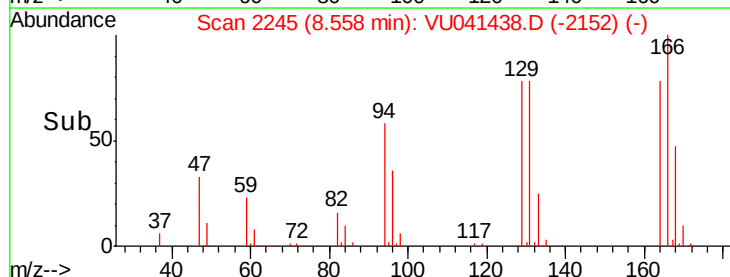
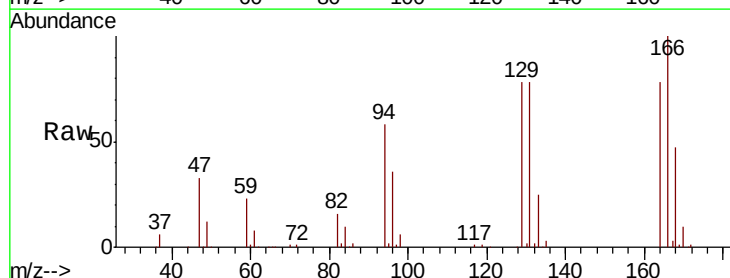
Ion Ratio Lower Upper

164 100

129 101.1 71.3 132.5

131 99.8 68.3 126.8

166 128.8 91.0 169.0

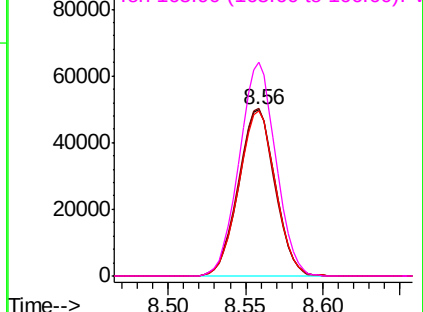


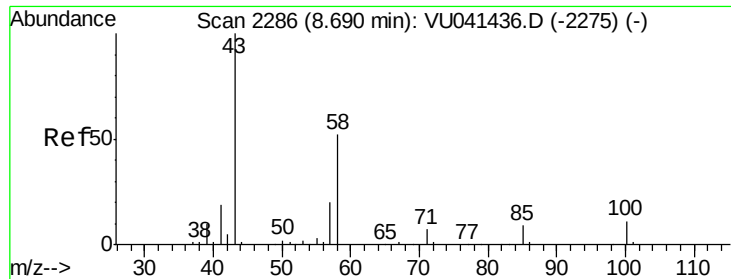
Abundance Ion 163.90 (163.60 to 164.60): V

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

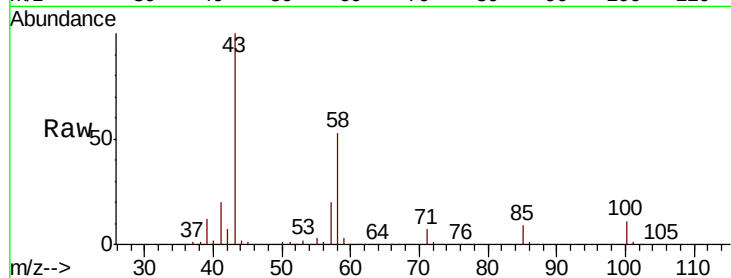




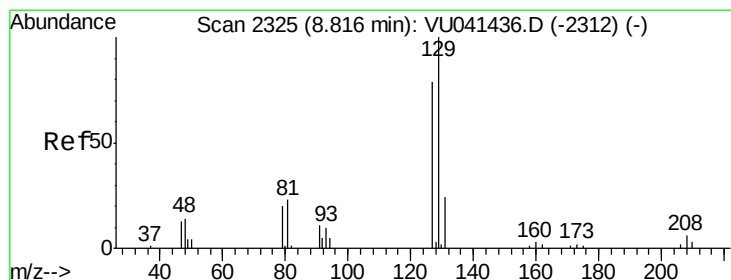
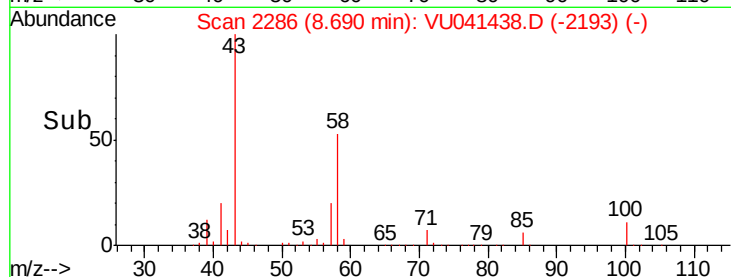
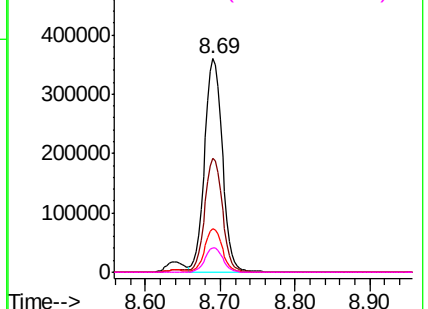
#48
2-Hexanone
Concen: 235.015 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU041438.D
Acq: 30 Nov 2020 11:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD020201

Tot Ion: 43 Resp: 598205
Ion Ratio Lower Upper
43 100
58 52.8 42.0 63.0
57 20.1 16.0 24.0
100 11.5 8.9 13.3

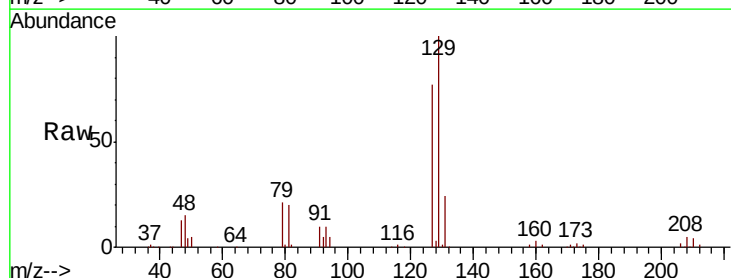


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

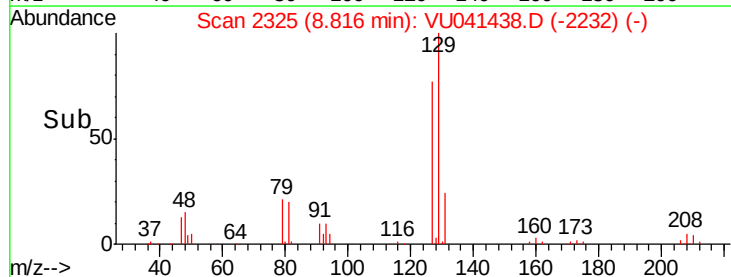
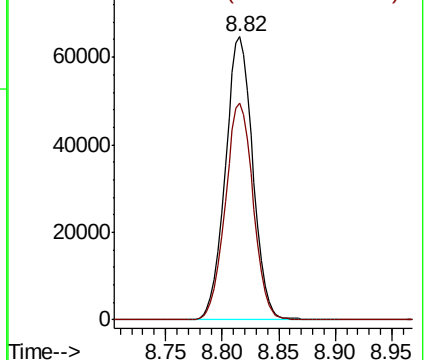


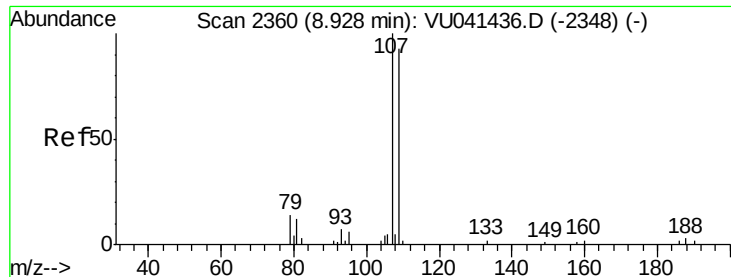
#49
Dibromochloromethane
Concen: 22.106 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU041438.D
Acq: 30 Nov 2020 11:39

Tgt Ion: 129 Resp: 109082
Ion Ratio Lower Upper
129 100
127 76.8 55.4 102.8



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

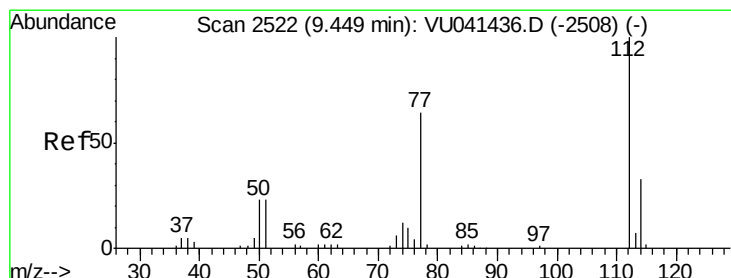
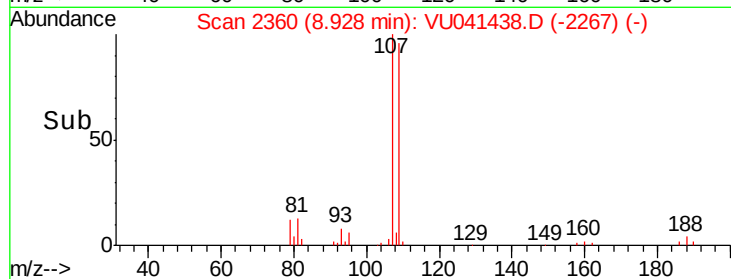
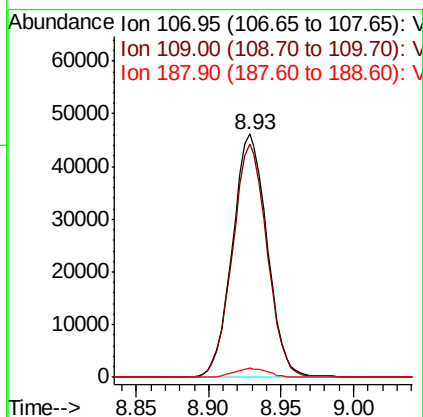
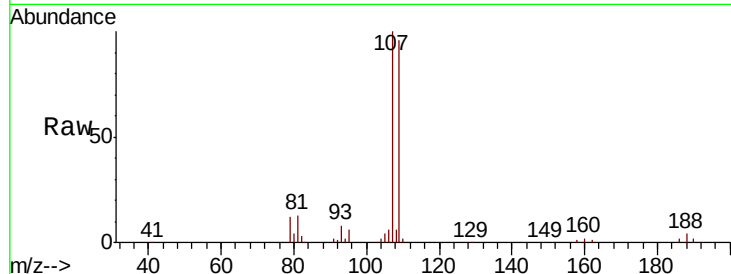




#50
 1,2-Dibromoethane
 Concen: 20.896 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU041438.D
 Acq: 30 Nov 2020 11:39

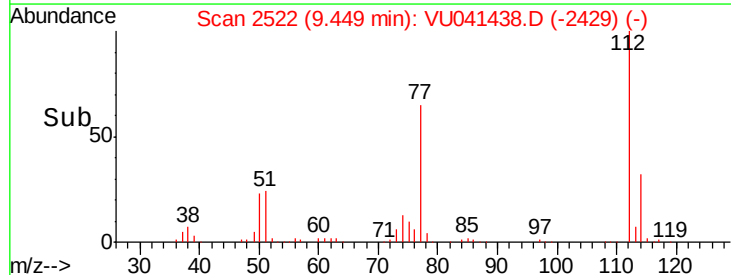
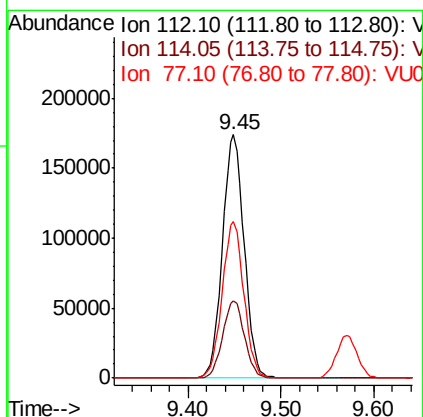
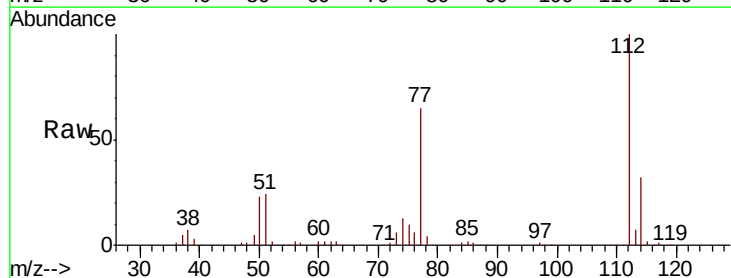
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020201

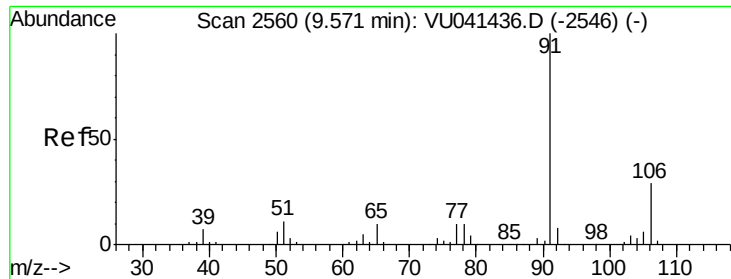
Tot Ion:107 Resp: 76675
 Ion Ratio Lower Upper
 107 100
 109 95.7 65.2 121.2
 188 3.6 2.7 4.1



#51
 Chlorobenzene
 Concen: 21.126 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU041438.D
 Acq: 30 Nov 2020 11:39

Tgt Ion:112 Resp: 281614
 Ion Ratio Lower Upper
 112 100
 114 31.9 23.0 42.8
 77 64.5 51.8 77.6





#52

Ethylbenzene

Concen: 22.857 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU041438.D

Acq: 30 Nov 2020 11:39

Instrument :

MSVOA_U

ClientSampleId :

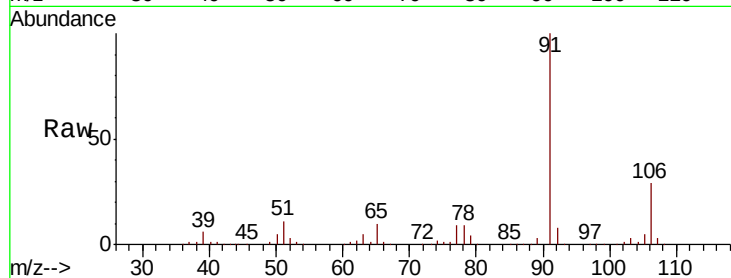
VSTD020201

Tot Ion: 91 Resp: 515325

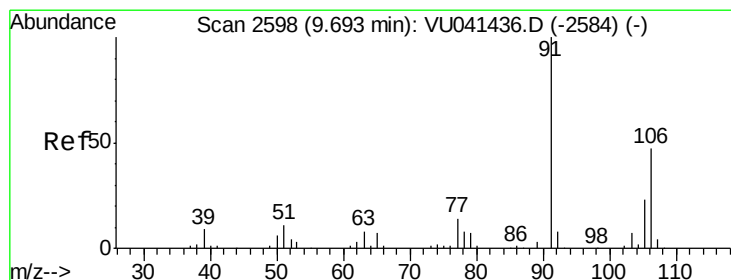
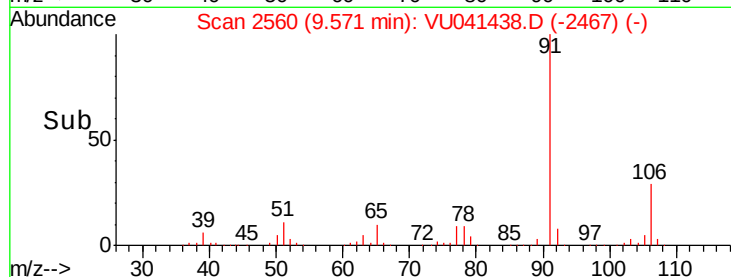
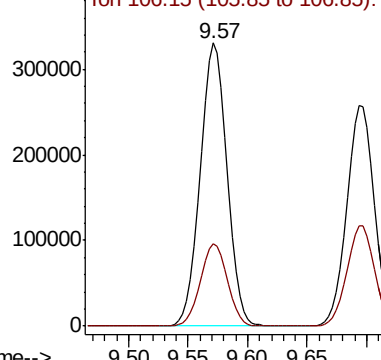
Ion Ratio Lower Upper

91 100

106 29.3 20.0 37.2



Abundance Ion 91.15 (90.85 to 91.85): VU041438.D (-2546) (-)



#53

m,p-Xylene

Concen: 23.113 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU041438.D

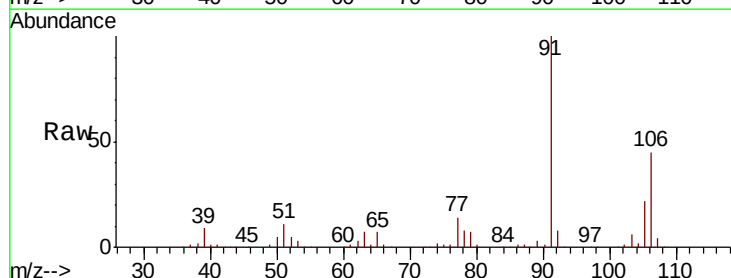
Acq: 30 Nov 2020 11:39

Tgt Ion: 106 Resp: 188392

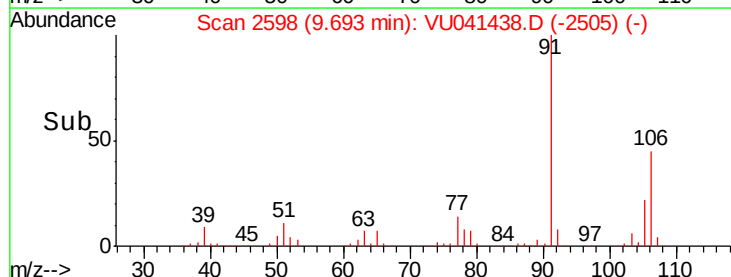
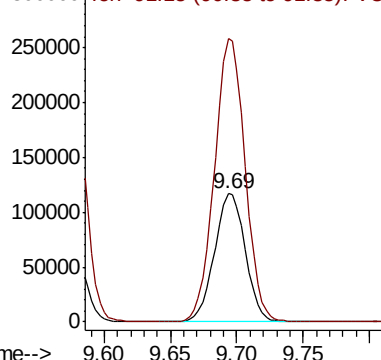
Ion Ratio Lower Upper

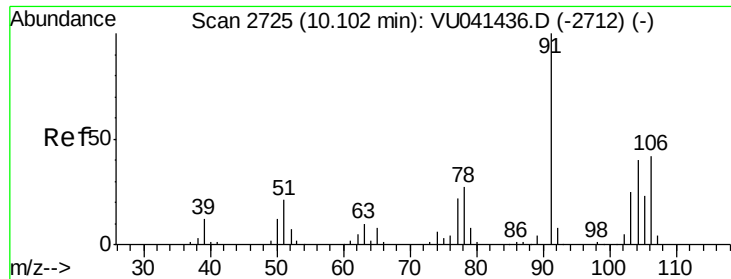
106 100

91 220.4 148.6 276.0



Abundance Ion 106.15 (105.85 to 106.85): VU041438.D (-2584) (-)

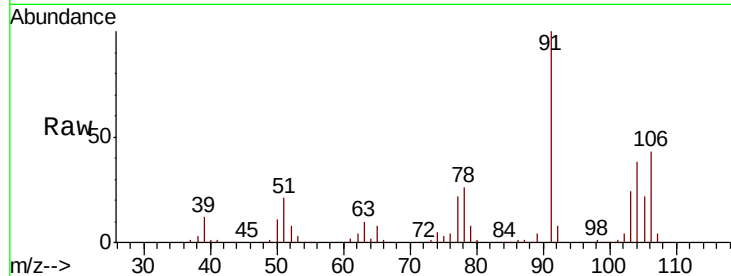




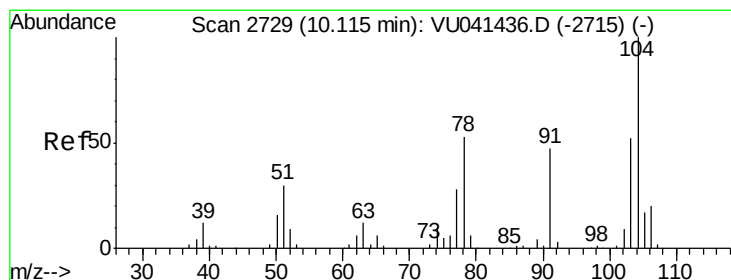
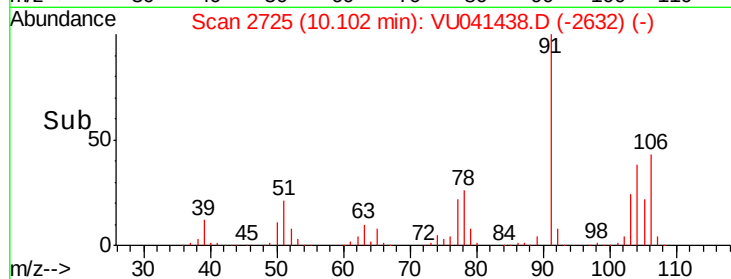
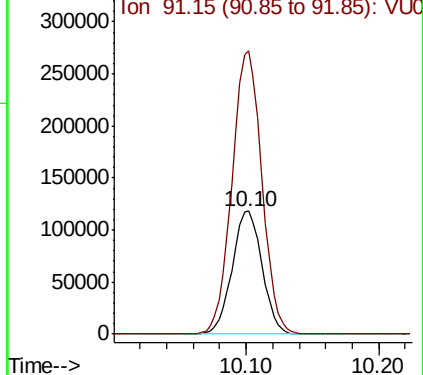
#54
o-Xylene
Concen: 23.577 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU041438.D
Acq: 30 Nov 2020 11:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD020201

Tot Ion:106 Resp: 184725
Ion Ratio Lower Upper
106 100
91 230.2 166.9 310.0

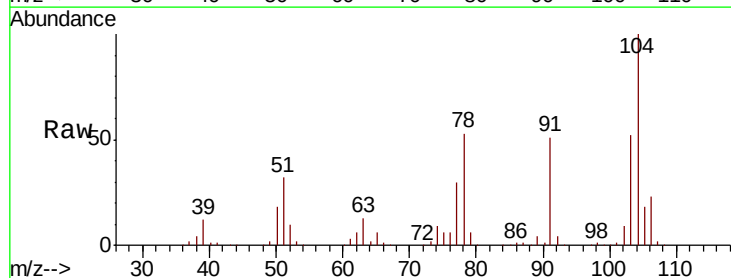


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

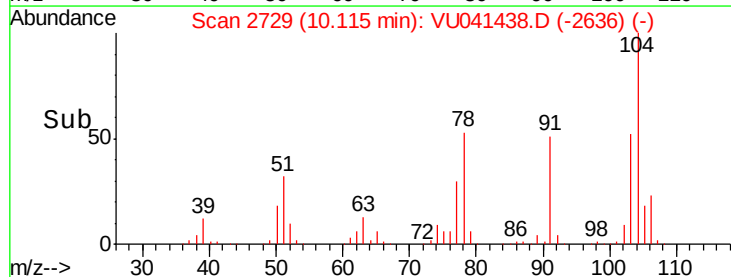
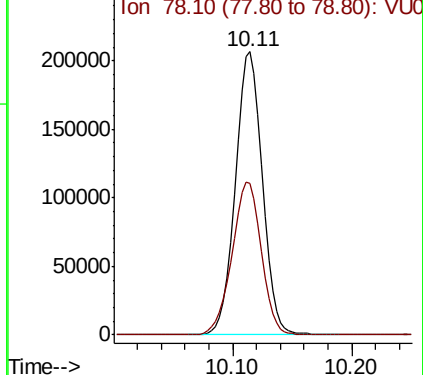


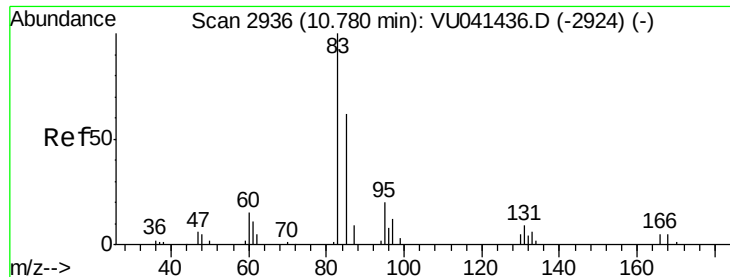
#55
Styrene
Concen: 23.430 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU041438.D
Acq: 30 Nov 2020 11:39

Tgt Ion:104 Resp: 324703
Ion Ratio Lower Upper
104 100
78 53.5 37.5 69.7



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

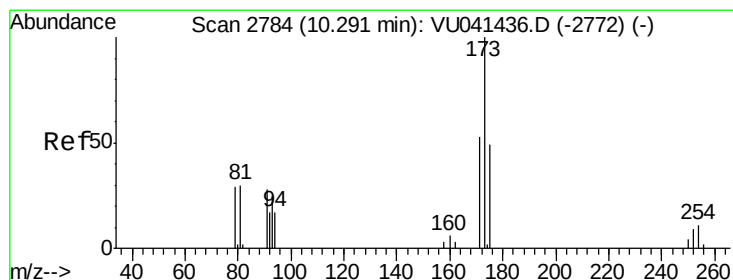
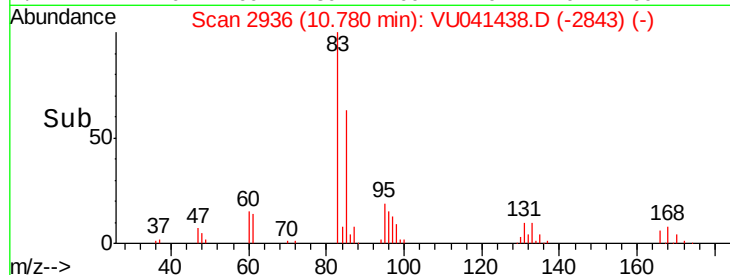
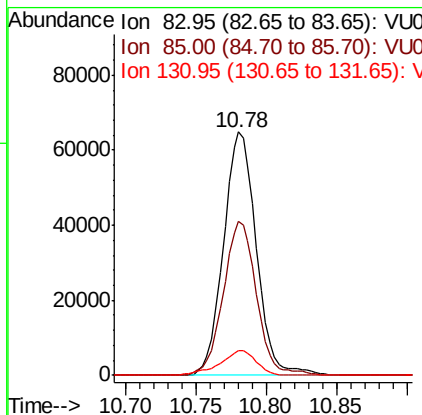
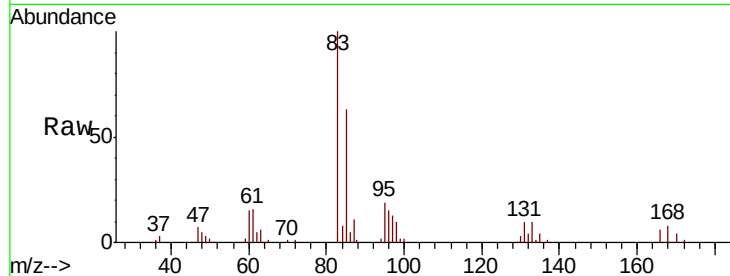




#57
 1,1,2,2-Tetrachloroethane
 Concen: 21.238 ug/L
 RT: 10.78 min Scan# 2936
 Delta R.T. -0.00 min
 Lab File: VU041438.D
 Acq: 30 Nov 2020 11:39

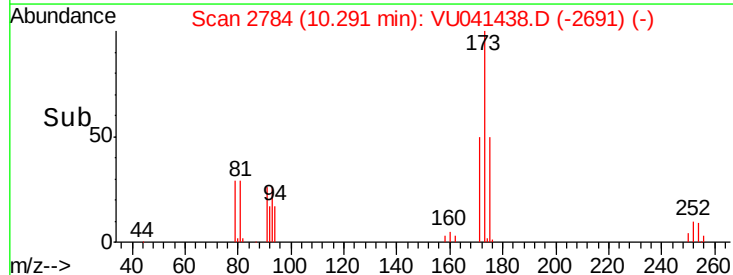
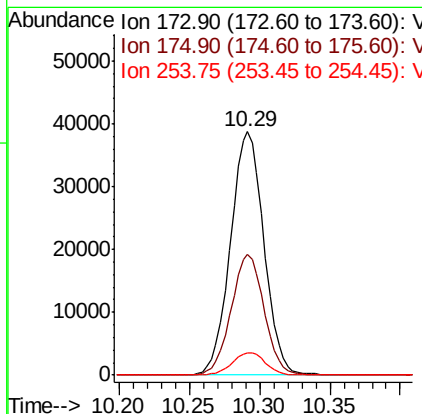
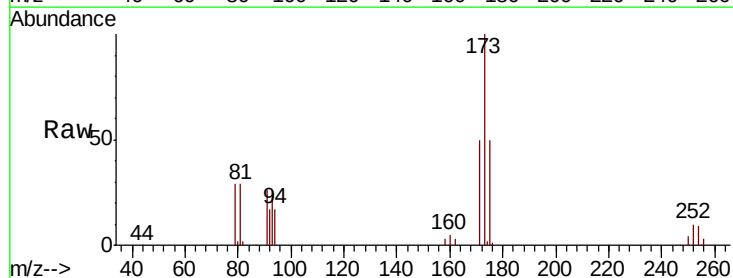
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020201

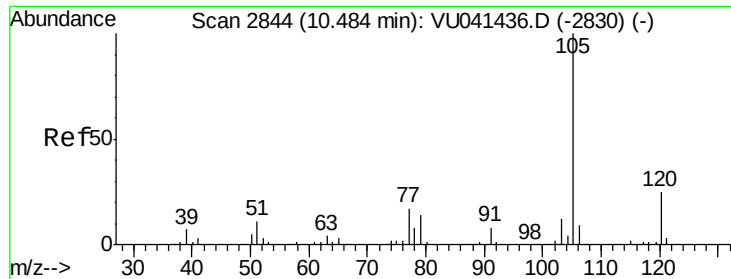
Tot Ion: 83 Resp: 105076
 Ion Ratio Lower Upper
 83 100
 85 63.1 43.5 80.7
 131 10.2 7.6 11.4



#59
 Bromoform
 Concen: 22.034 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. -0.00 min
 Lab File: VU041438.D
 Acq: 30 Nov 2020 11:39

Tgt Ion: 173 Resp: 64205
 Ion Ratio Lower Upper
 173 100
 175 48.9 36.9 55.3
 254 9.2 7.4 11.0





#60

Isopropylbenzene

Concen: 23.361 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU041438.D

Acq: 30 Nov 2020 11:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD020201

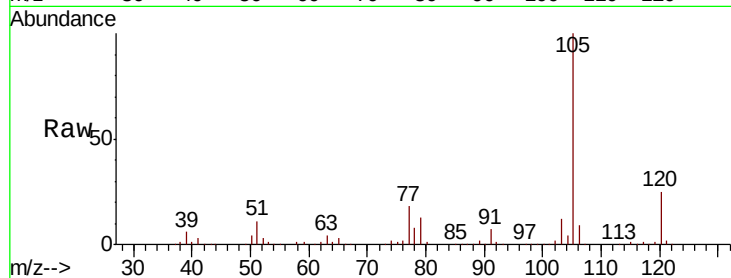
Tot Ion:105 Resp: 520029

Ion Ratio Lower Upper

105 100

120 25.3 20.3 30.5

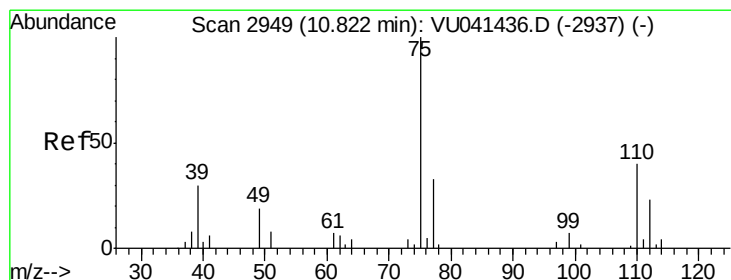
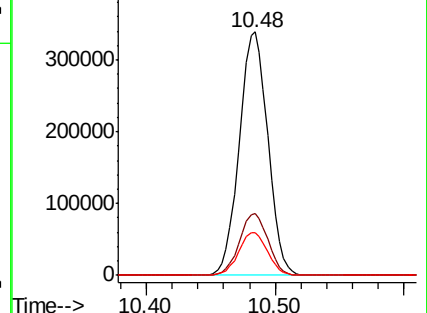
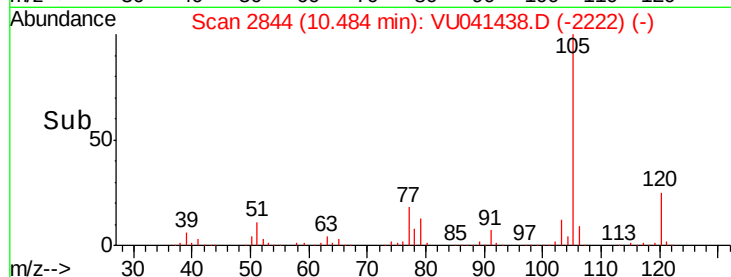
77 17.8 13.9 20.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU



#61

1,2,3-Trichloropropane

Concen: 20.756 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU041438.D

Acq: 30 Nov 2020 11:39

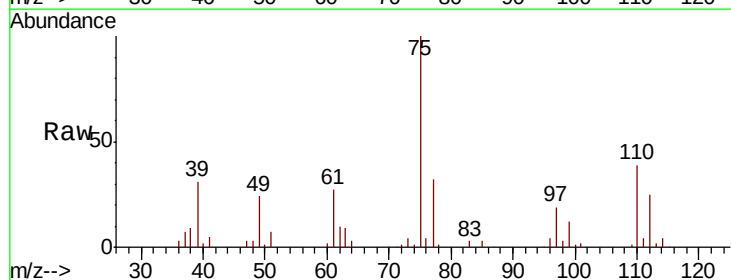
Tgt Ion: 75 Resp: 80490

Ion Ratio Lower Upper

75 100

110 38.5 33.0 49.4

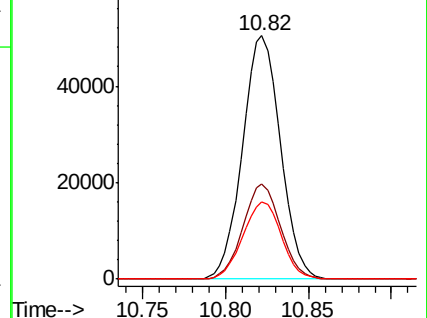
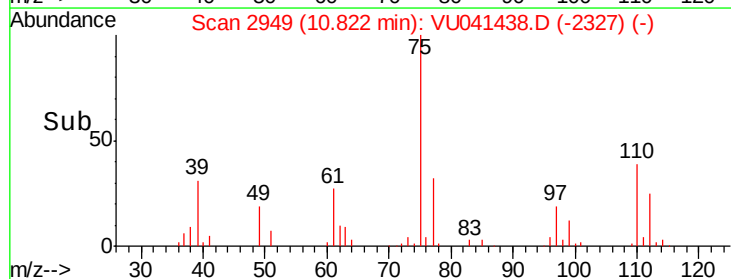
77 32.2 27.4 41.0

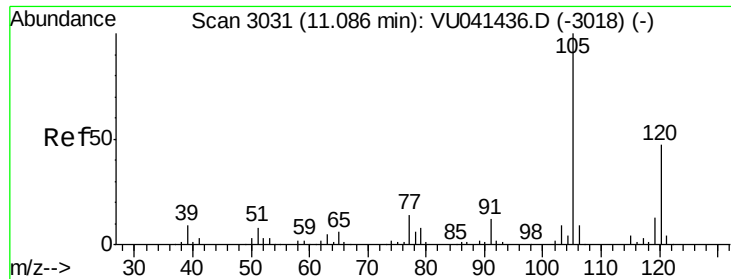


Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VU

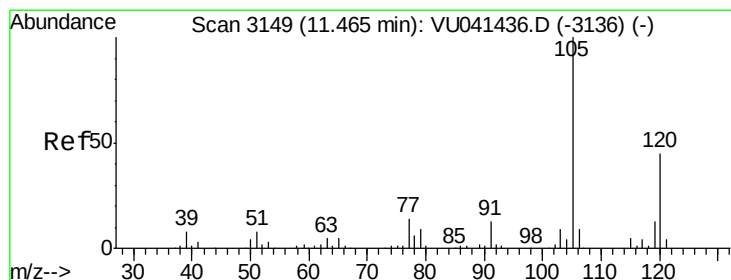
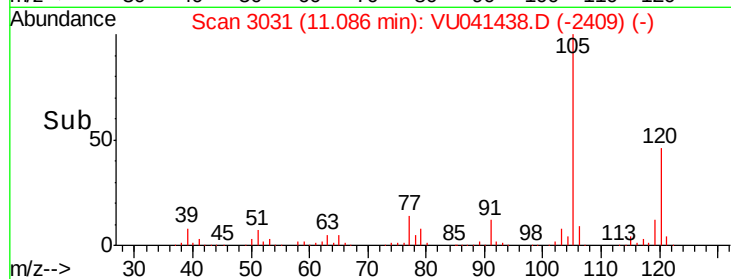
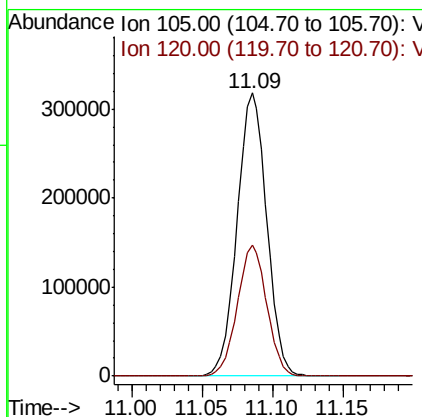
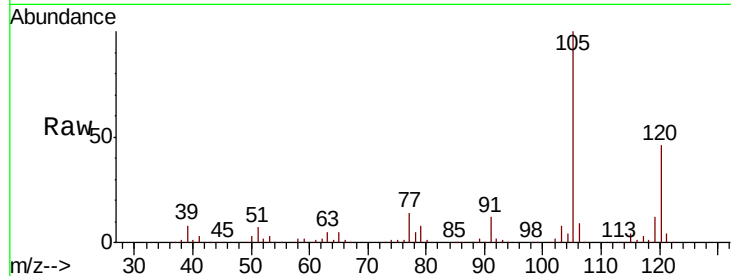




#62
 1,3,5-Trimethylbenzene
 Concen: 24.685 ug/L
 RT: 11.09 min Scan# 3031
 Delta R.T. -0.00 min
 Lab File: VU041438.D
 Acq: 30 Nov 2020 11:39

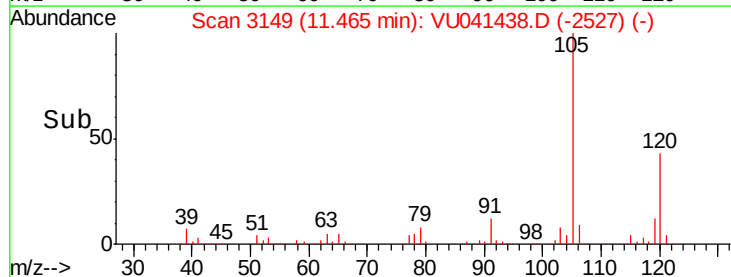
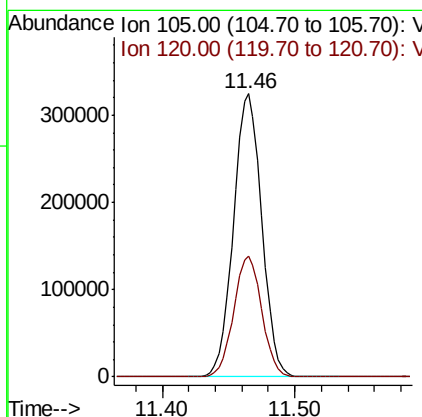
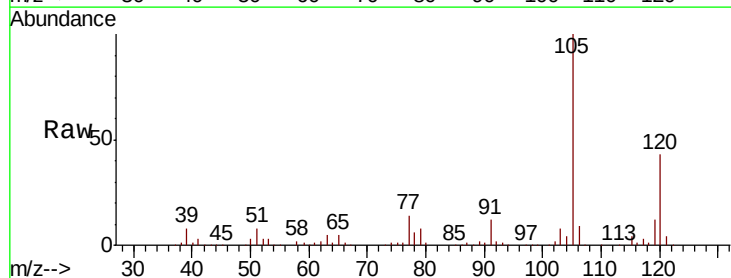
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020201

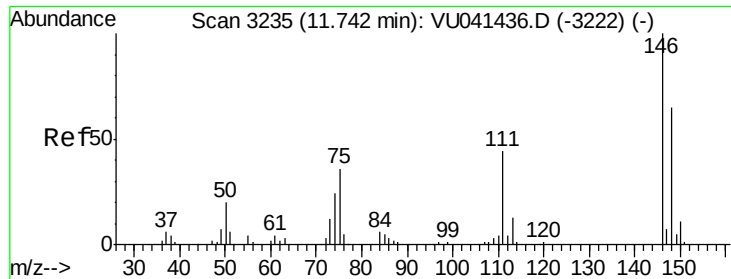
Tot Ion:105 Resp: 468272
 Ion Ratio Lower Upper
 105 100
 120 46.0 36.6 54.8



#63
 1,2,4-Trimethylbenzene
 Concen: 24.458 ug/L
 RT: 11.46 min Scan# 3149
 Delta R.T. -0.00 min
 Lab File: VU041438.D
 Acq: 30 Nov 2020 11:39

Tgt Ion:105 Resp: 479120
 Ion Ratio Lower Upper
 105 100
 120 42.4 35.4 53.2

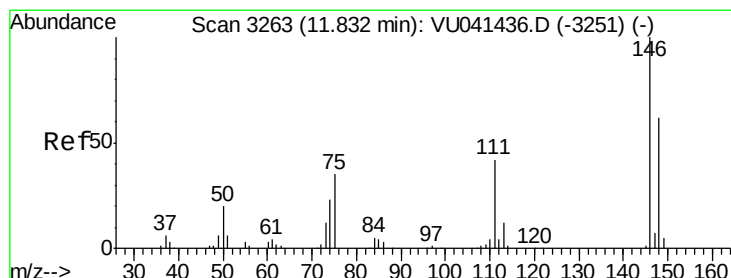
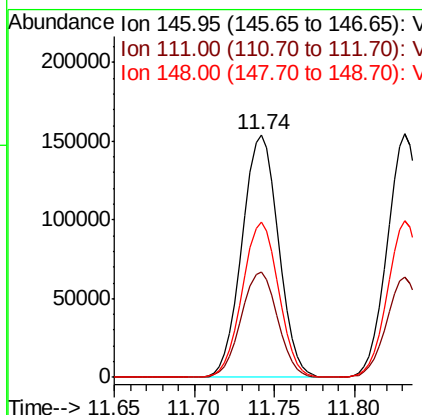
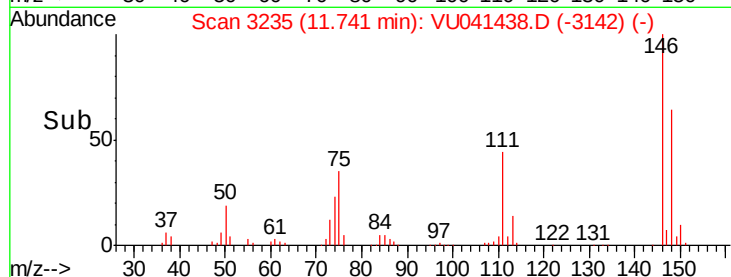
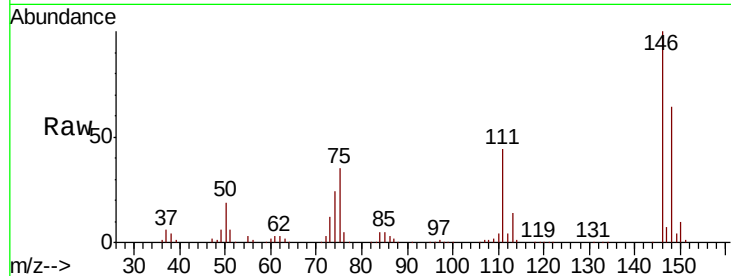




#64
 1,3-Dichlorobenzene
 Concen: 20.997 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU041438.D
 Acq: 30 Nov 2020 11:39

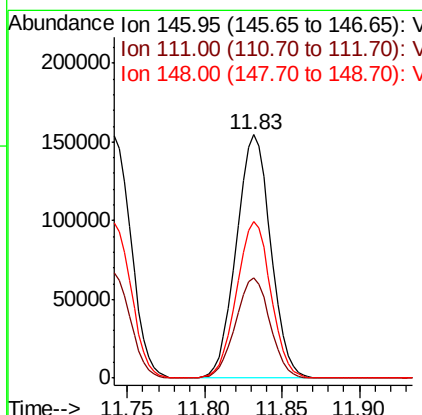
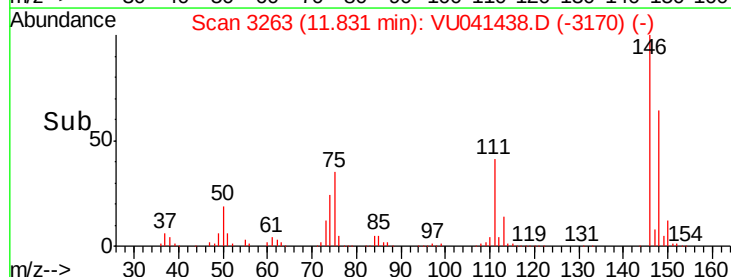
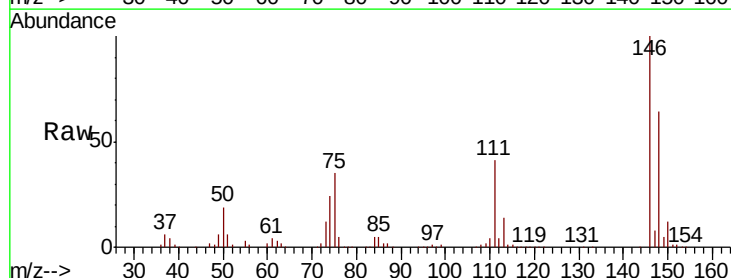
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020201

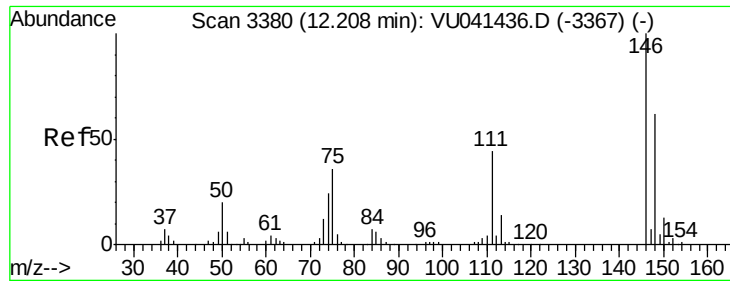
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	30.9	57.3
148	63.9	45.8	85.0



#65
 1,4-Dichlorobenzene
 Concen: 20.559 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU041438.D
 Acq: 30 Nov 2020 11:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	29.4	54.6
148	64.1	43.7	81.1

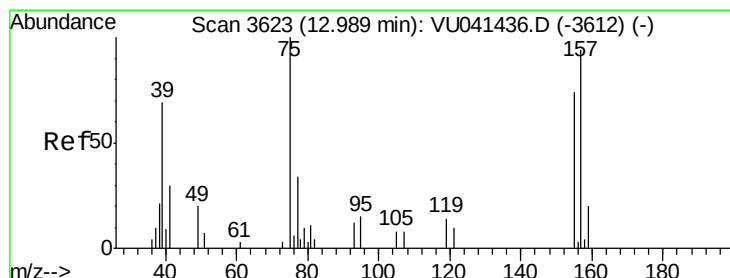
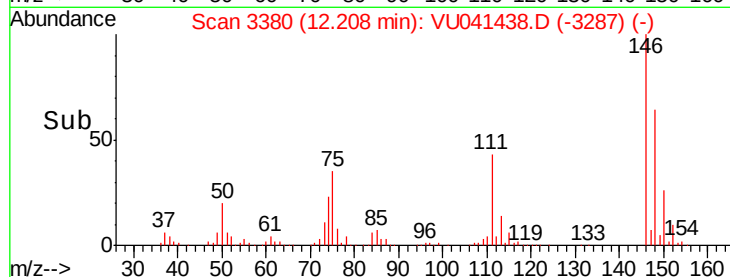
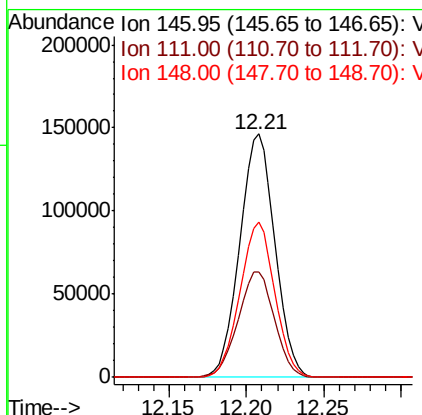
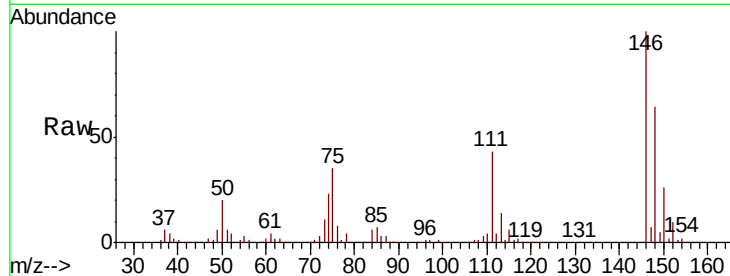




#67
 1,2-Dichlorobenzene
 Concen: 21.003 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU041438.D
 Acq: 30 Nov 2020 11:39

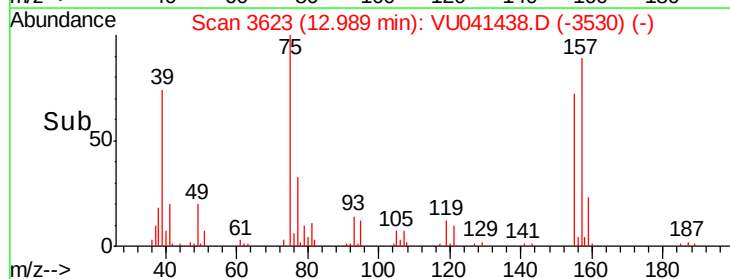
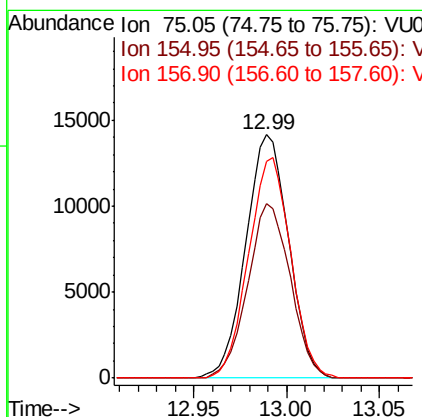
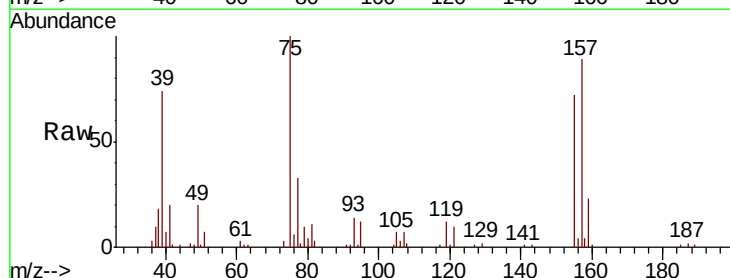
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020201

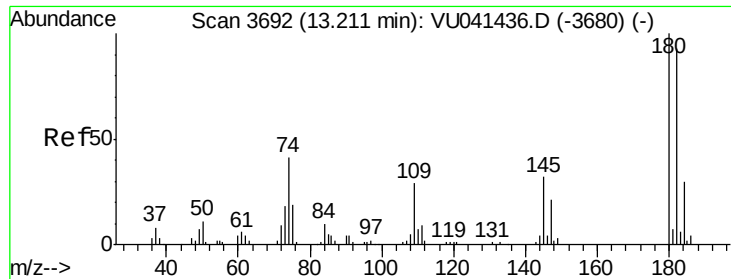
Tot Ion:146 Resp: 231340
 Ion Ratio Lower Upper
 146 100
 111 43.4 35.3 52.9
 148 63.7 49.6 74.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 22.594 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU041438.D
 Acq: 30 Nov 2020 11:39

Tgt Ion: 75 Resp: 22777
 Ion Ratio Lower Upper
 75 100
 155 71.8 59.3 88.9
 157 89.0 75.1 112.7

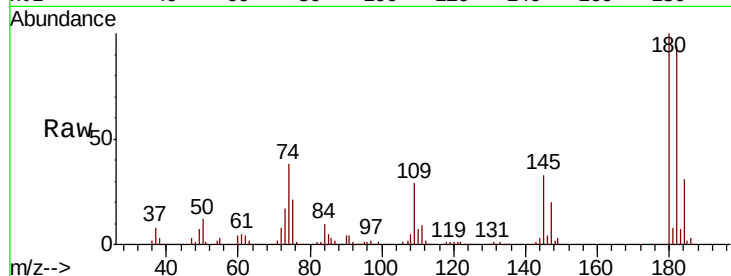




#69
 1,3,5-Trichlorobenzene
 Concen: 21.984 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU041438.D
 Acq: 30 Nov 2020 11:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020201

Tot Ion:180	Resp:	192190
Ion	Ratio	Lower Upper
180	100	
182	94.3	76.2 114.2
184	30.3	24.1 36.1
145	32.6	26.1 39.1



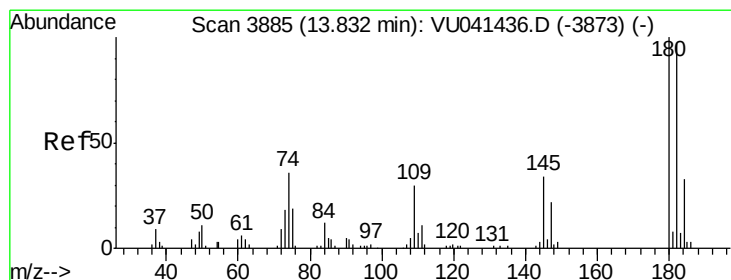
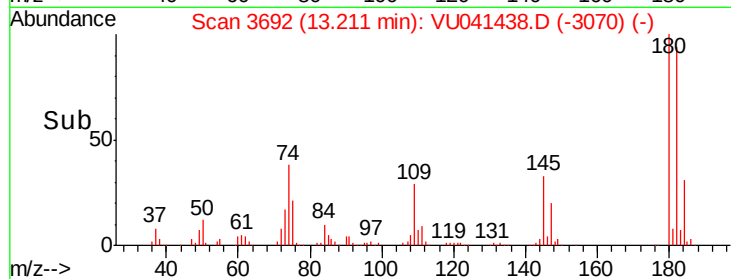
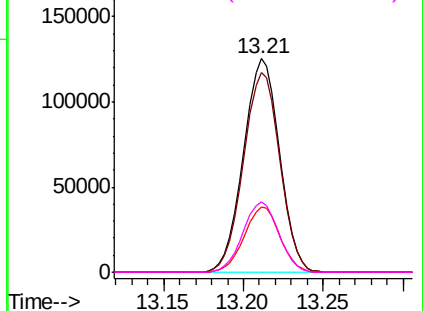
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

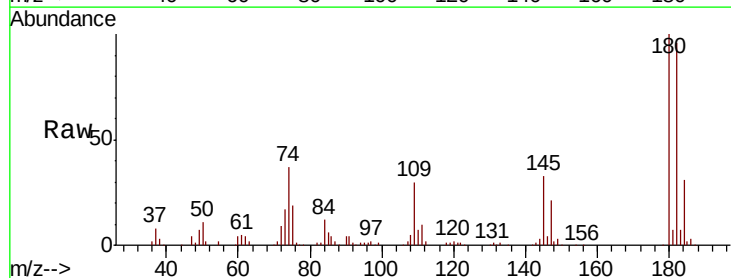
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 23.094 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU041438.D
 Acq: 30 Nov 2020 11:39

Tgt Ion:180	Resp:	168341
Ion	Ratio	Lower Upper
180	100	
182	94.6	78.4 117.6
145	33.1	27.4 41.0

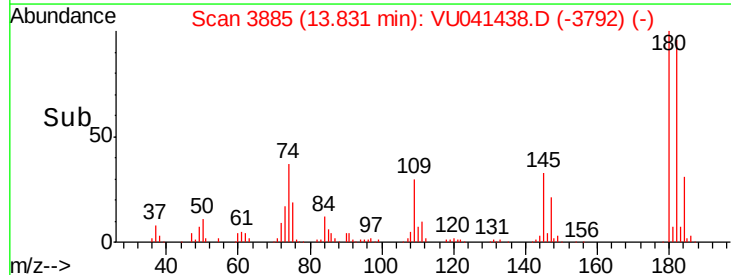
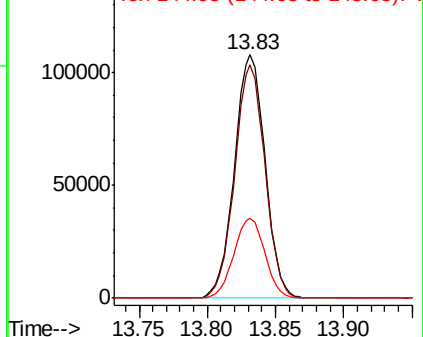


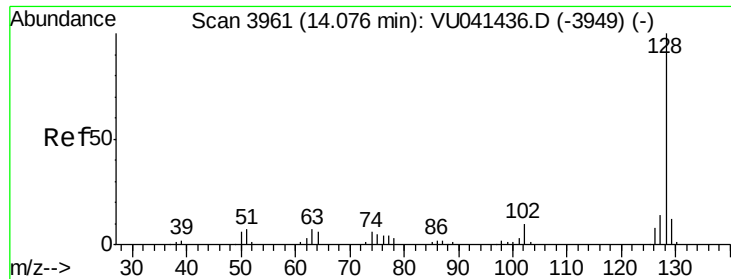
Abundance

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

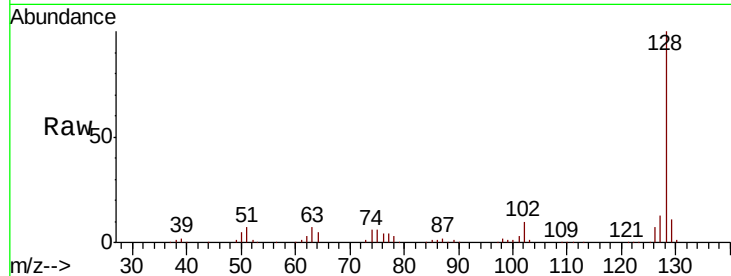




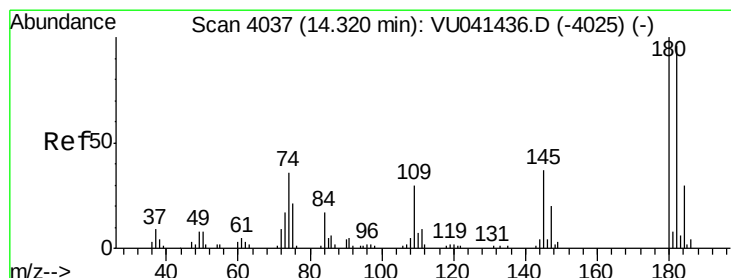
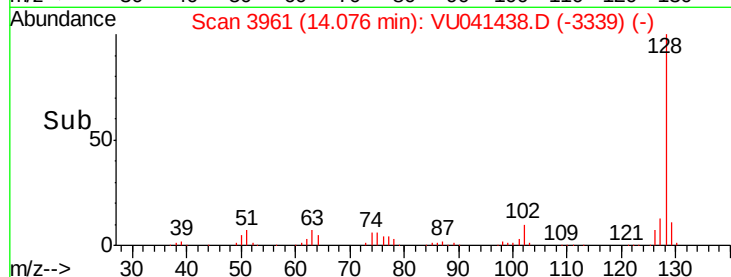
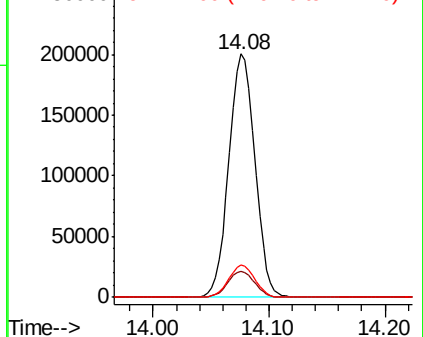
#71
Naphthalene
Concen: 24.970 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. -0.00 min
Lab File: VU041438.D
Acq: 30 Nov 2020 11:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD020201

Tot Ion:128 Resp: 312892
Ion Ratio Lower Upper
128 100
129 10.9 9.4 14.0
127 13.3 10.8 16.2

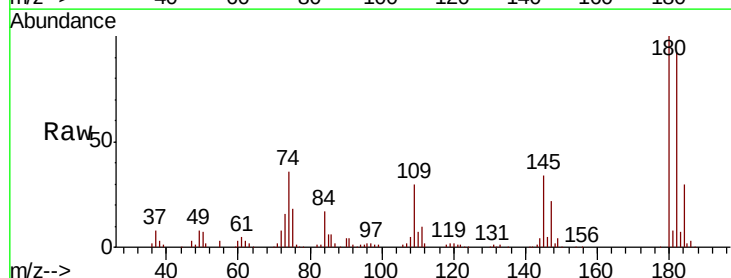


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#72
1,2,3-Trichlorobenzene
Concen: 22.341 ug/L
RT: 14.32 min Scan# 4037
Delta R.T. -0.00 min
Lab File: VU041438.D
Acq: 30 Nov 2020 11:39

Tgt Ion:180 Resp: 152326
Ion Ratio Lower Upper
180 100
182 93.8 77.6 116.4
145 35.3 28.6 43.0



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

