

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U101120\NOT REVIEWED DATA\
 Data File : VU040636.D
 Acq On : 10 Oct 2020 15:55
 Operator : SY/MD
 Sample : L4240-10DL 10X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG3S8DL

Quant Time: Oct 15 18:42:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 15 18:30:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	133364	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	134101	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	68394	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	47252	4.28	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.60%
7) Chloroethane-d5	1.92	69	39804	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.40%
11) 1,1-Dichloroethene-d2	2.58	63	71731	3.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.40%
20) 2-Butanone-d5	4.65	46	197657	55.89	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.78%
24) Chloroform-d	5.08	84	91803	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
26) 1,2-Dichloroethane-d4	5.72	65	56878	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
32) Benzene-d6	5.74	84	172215	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
36) 1,2-Dichloropropane-d6	6.70	67	56518	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.20%
41) Toluene-d8	7.91	98	160782	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
43) trans-1,3-Dichloropropene-	8.19	79	24700	4.86	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.20%
46) 2-Hexanone-d5	8.64	63	144162	55.00	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.00%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	53014	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	65569	5.17	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.40%

Target Compounds

					Qvalue
3) Chloromethane	1.53	50	724	0.064 ug/L #	78
8) Chloroethane	2.02	64	739	0.098 ug/L #	50
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	596	0.054 ug/L #	20
12) 1,1-Dichloroethene	2.58	96	589	0.062 ug/L #	1
14) Carbon disulfide	2.81	76	2021	0.076 ug/L #	76
15) Methyl Acetate	3.10	43	2777827	443.795 ug/L #	56
16) Methylene chloride	3.07	84	3838	0.314 ug/L #	1
19) 1,1-Dichloroethane	3.72	63	29187	1.417 ug/L #	1
21) 2-Butanone	4.67	43	8920	2.087 ug/L #	53
30) Cyclohexane	5.40	56	19749	1.189 ug/L	92
35) Methylcyclohexane	6.78	83	6794	0.429 ug/L	96
37) 1,2-Dichloropropane	6.70	63	6447	0.537 ug/L #	92
39) cis-1,3-Dichloropropene	7.57	75	1678	0.102 ug/L #	40
44) trans-1,3-Dichloropropene	8.19	75	1151	0.076 ug/L #	54
45) 1,1,2-Trichloroethane	8.37	97	11505	1.280 ug/L #	17
51) Chlorobenzene	9.45	112	81273	2.811 ug/L	99
59) 1,2,3-Trichloropropane	11.74	75	6615	0.750 ug/L #	42

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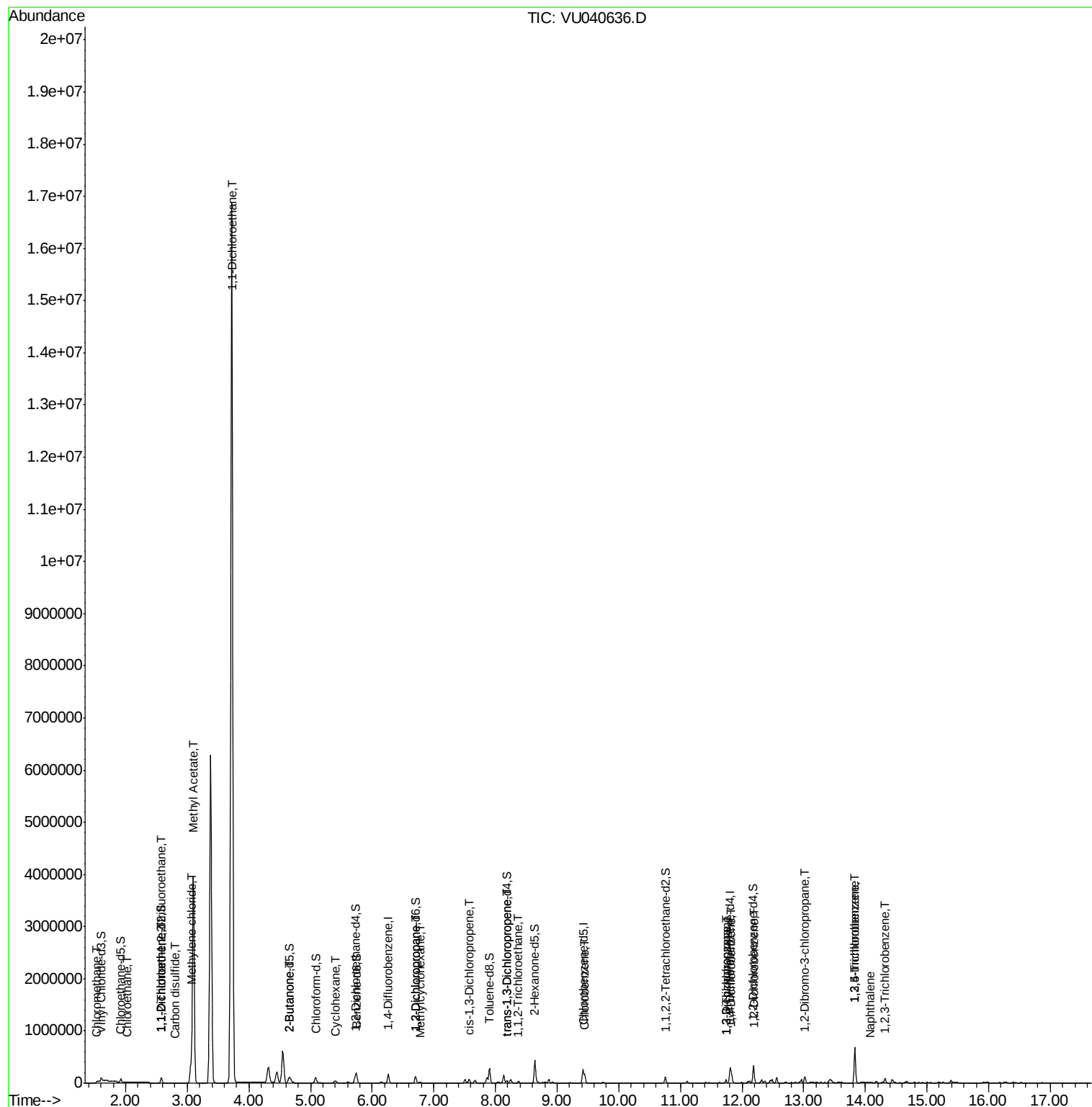
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 1,3-Dichlorobenzene	11.74	146	18435	0.824	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	58784	2.547	ug/L	97
65) 1,2-Dichlorobenzene	12.21	146	4177	0.191	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.01	75	457	0.238	ug/L #	9
67) 1,3,5-Trichlorobenzene	13.83	180	181524	11.429	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	181524	14.792	ug/L	98
69) Naphthalene	14.08	128	4180	0.208	ug/L #	92
70) 1,2,3-Trichlorobenzene	14.32	180	25422	2.231	ug/L	97

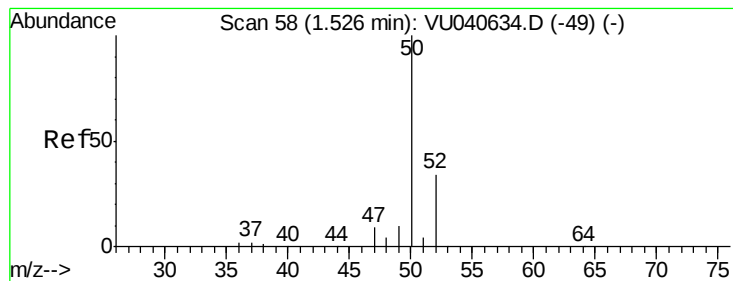
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.064 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040636.D

Acq: 10 Oct 2020 15:55

Instrument :

MSVOA_U

ClientSampleId :

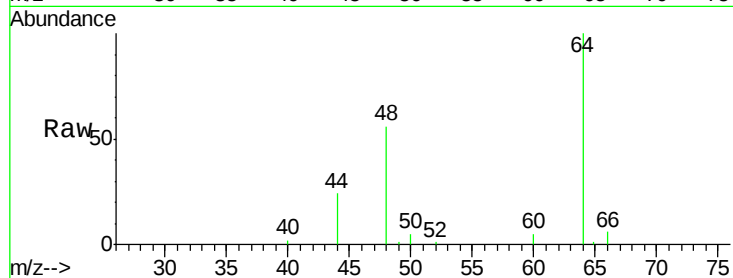
BG3S8DL

Tgt Ion: 50 Resp: 724

Ion Ratio Lower Upper

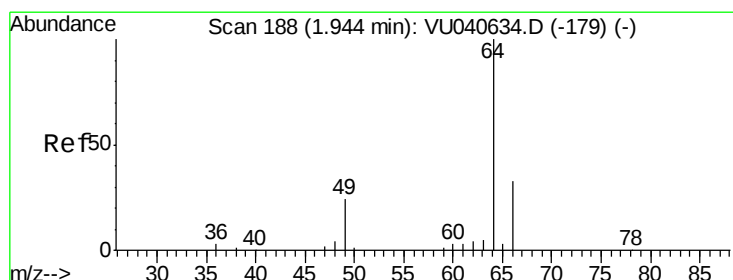
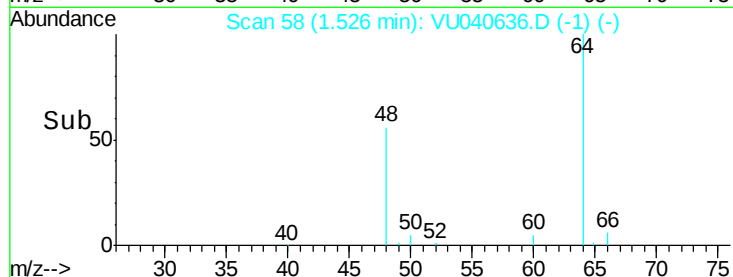
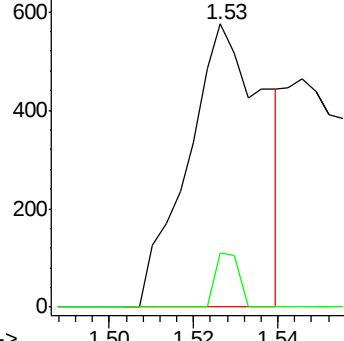
50 100

52 19.3 21.9 40.7#



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#8

Chloroethane

Concen: 0.098 ug/L

RT: 2.02 min Scan# 211

Delta R.T. 0.07 min

Lab File: VU040636.D

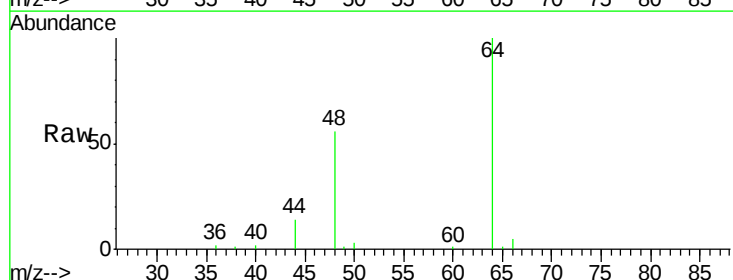
Acq: 10 Oct 2020 15:55

Tgt Ion: 64 Resp: 739

Ion Ratio Lower Upper

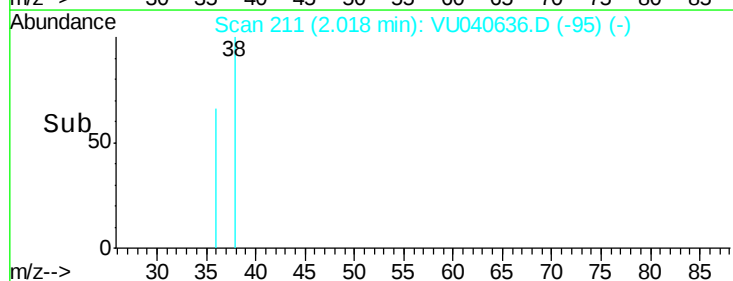
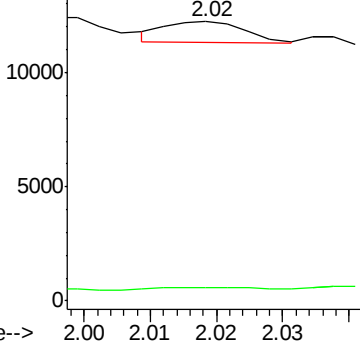
64 100

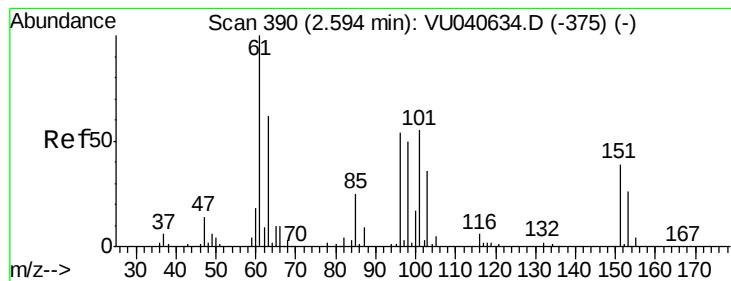
66 4.9 23.3 43.3#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#10

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

Concen: 0.054 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.01 min

Lab File: VU040636.D

Acq: 10 Oct 2020 15:55

Instrument :

MSVOA_U

ClientSampleId :

BG3S8DL

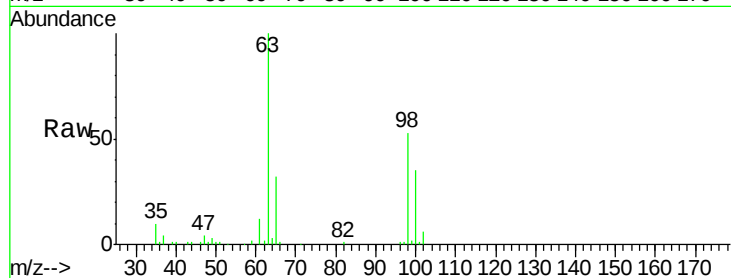
Tgt Ion:101 Resp: 596

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

151 0.0 58.0 87.0#



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

2.59

400

300

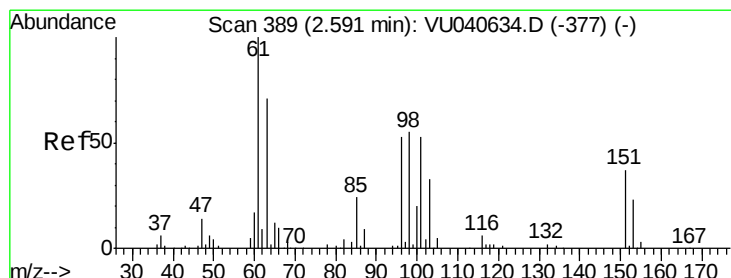
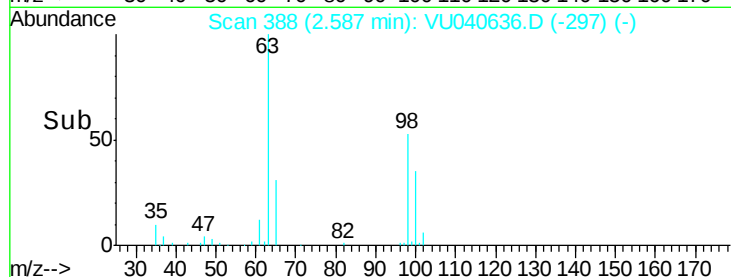
200

100

0

2.54 2.56 2.58 2.60 2.62

Time-->



#12

1,1-Dichloroethene

Concen: 0.062 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU040636.D

Acq: 10 Oct 2020 15:55

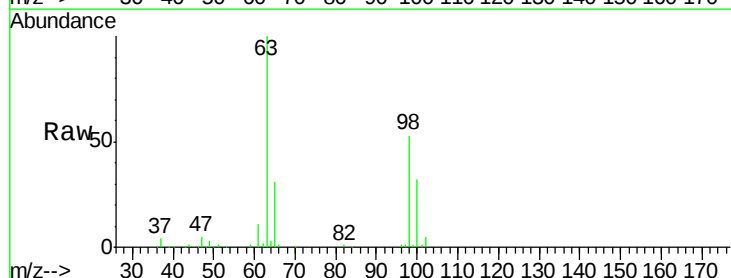
Tgt Ion: 96 Resp: 589

Ion Ratio Lower Upper

96 100

61 1197.3 128.8 239.2#

63 10635.1 84.6 157.2#



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

60000

50000

40000

30000

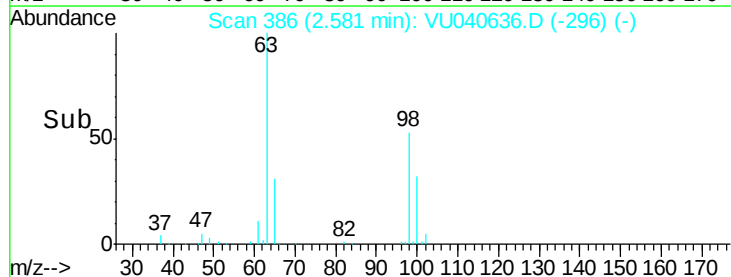
20000

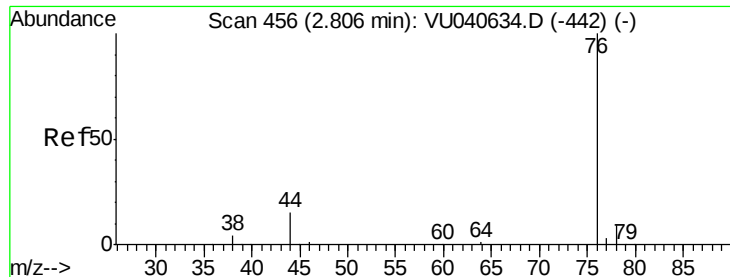
10000

0

2.54 2.56 2.58 2.60

Time-->





#14

Carbon disulfide

Concen: 0.076 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU040636.D

Acq: 10 Oct 2020 15:55

Instrument :

MSVOA_U

ClientSampled :

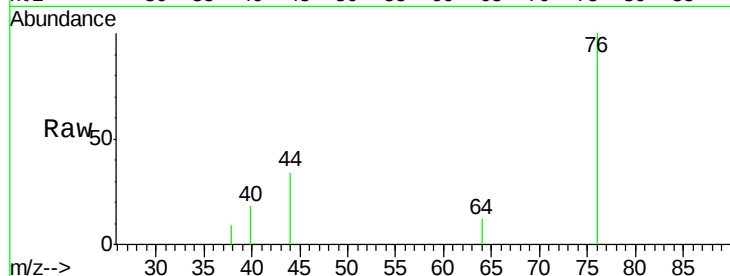
BG3S8DL

Tgt Ion: 76 Resp: 2021

Ion Ratio Lower Upper

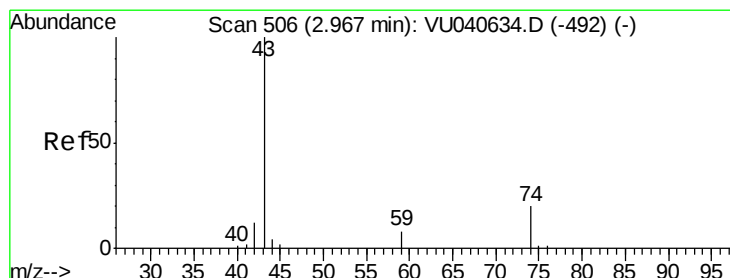
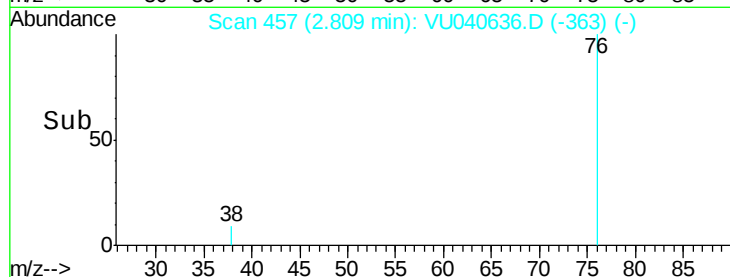
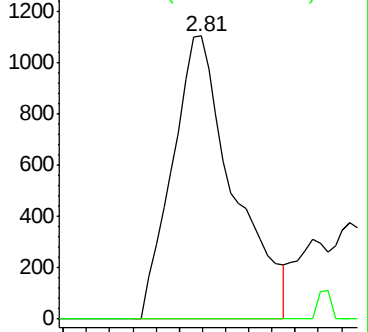
76 100

78 0.0 6.8 10.2#



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0



#15

Methyl Acetate

Concen: 443.795 ug/L

RT: 3.10 min Scan# 547

Delta R.T. 0.13 min

Lab File: VU040636.D

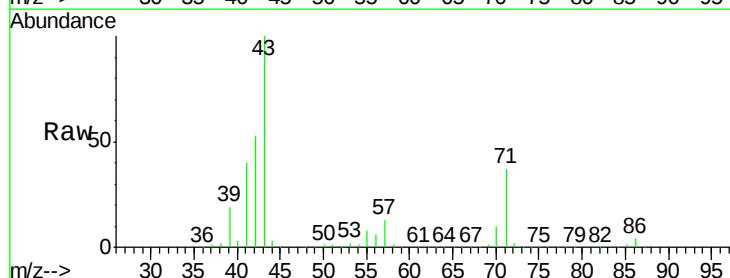
Acq: 10 Oct 2020 15:55

Tgt Ion: 43 Resp: 2777827

Ion Ratio Lower Upper

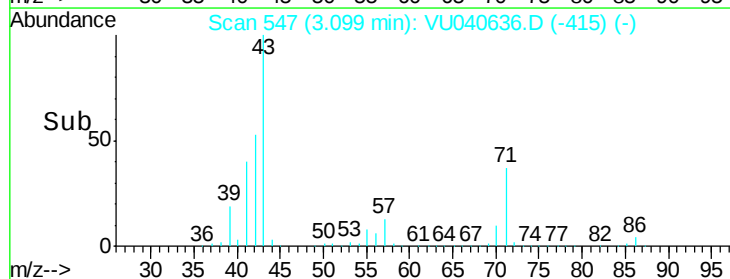
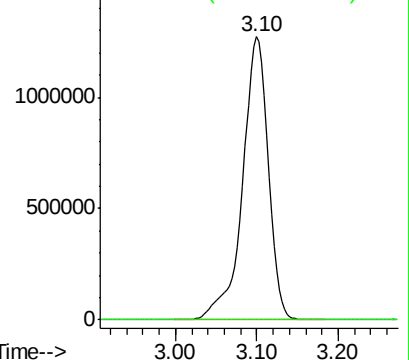
43 100

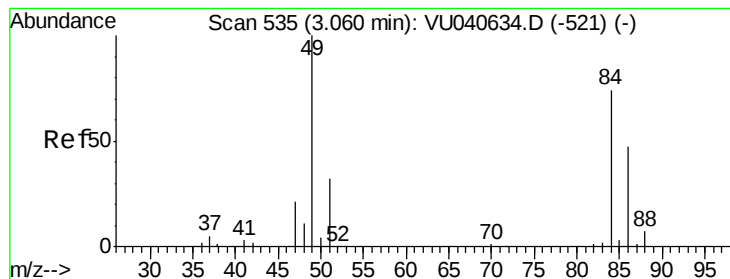
74 0.0 16.5 24.7#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0





#16

Methylene chloride

Concen: 0.314 ug/L

RT: 3.07 min Scan# 537

Delta R.T. 0.01 min

Lab File: VU040636.D

Acq: 10 Oct 2020 15:55

Instrument :

MSVOA_U

ClientSampleId :

BG3S8DL

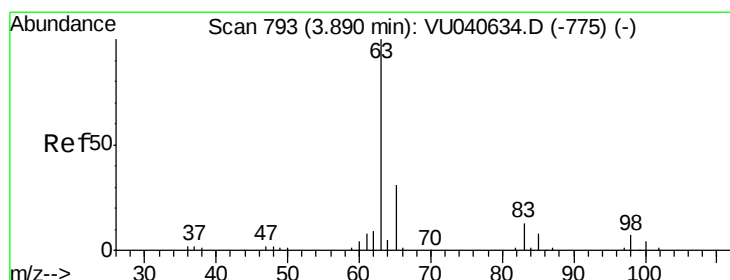
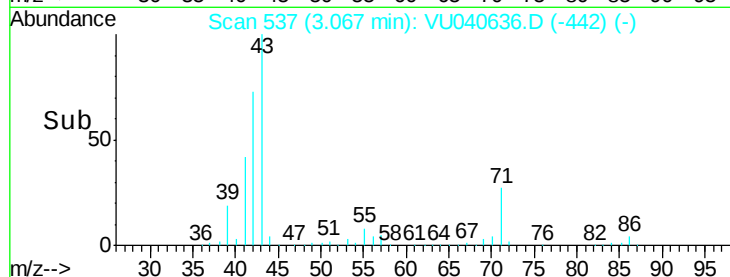
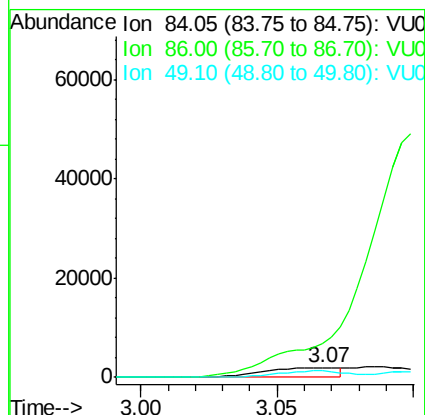
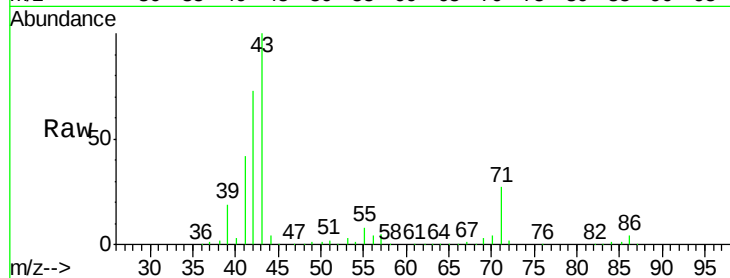
Tgt Ion: 84 Resp: 3838

Ion Ratio Lower Upper

84 100

86 351.4 45.4 84.4#

49 66.6 99.8 185.3#



#19

1,1-Dichloroethane

Concen: 1.417 ug/L

RT: 3.72 min Scan# 741

Delta R.T. -0.16 min

Lab File: VU040636.D

Acq: 10 Oct 2020 15:55

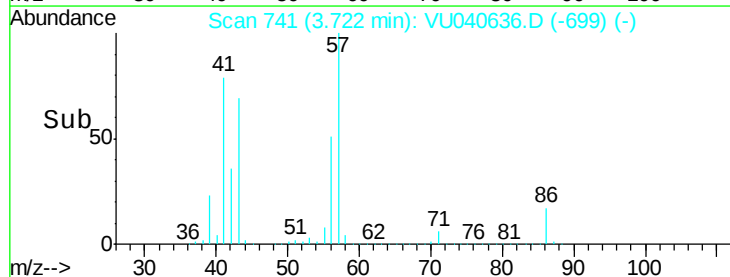
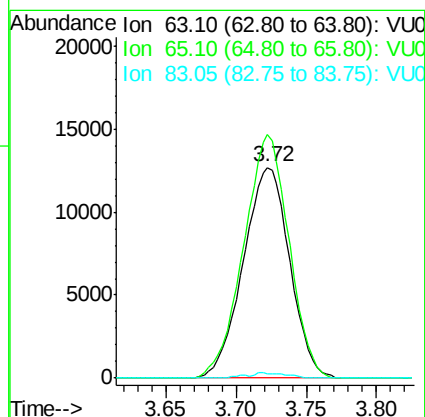
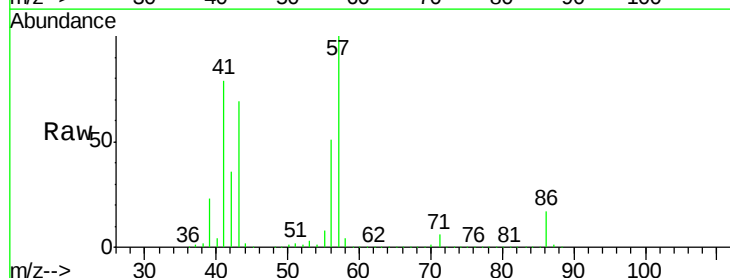
Tgt Ion: 63 Resp: 29187

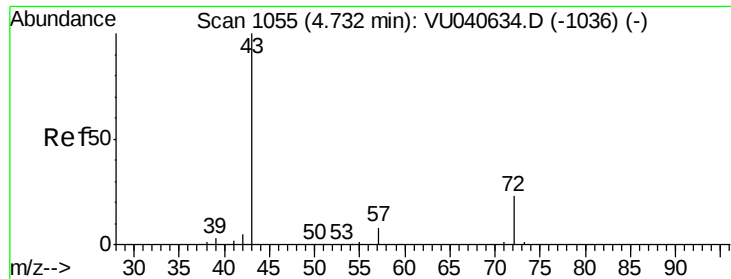
Ion Ratio Lower Upper

63 100

65 115.6 21.9 40.7#

83 1.7 9.6 17.8#

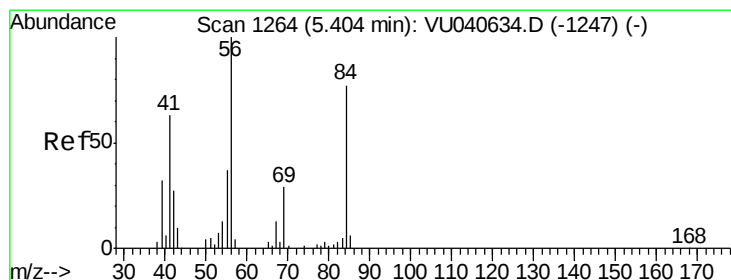
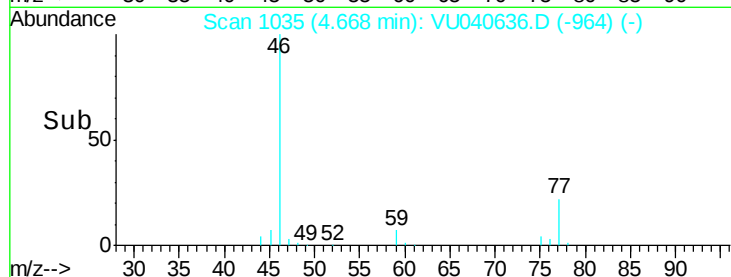
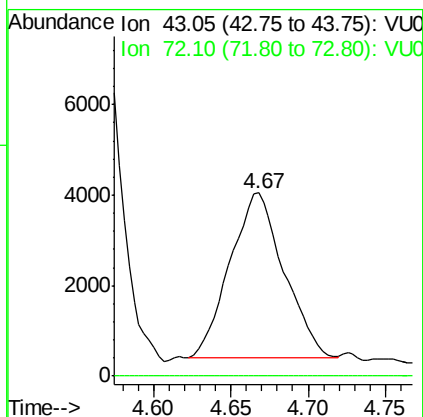
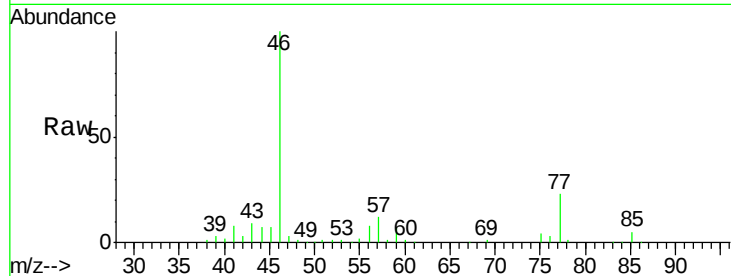




#21
2-Butanone
Concen: 2.087 ug/L
RT: 4.67 min Scan# 1035
Delta R.T. -0.07 min
Lab File: VU040636.D
Acq: 10 Oct 2020 15:55

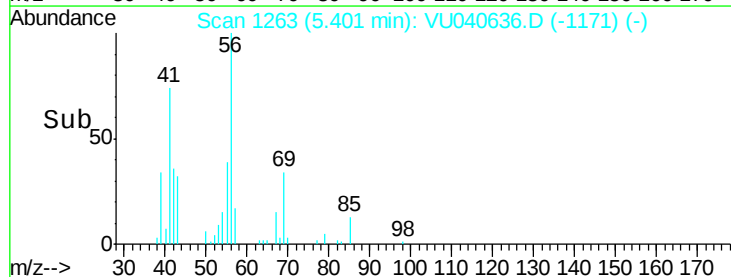
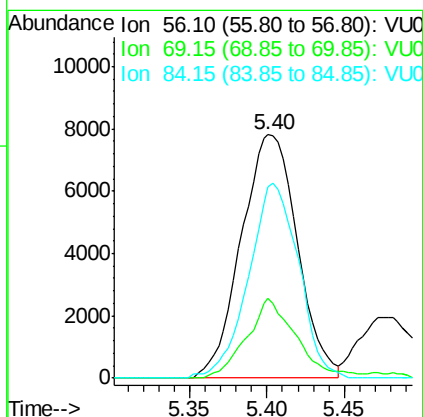
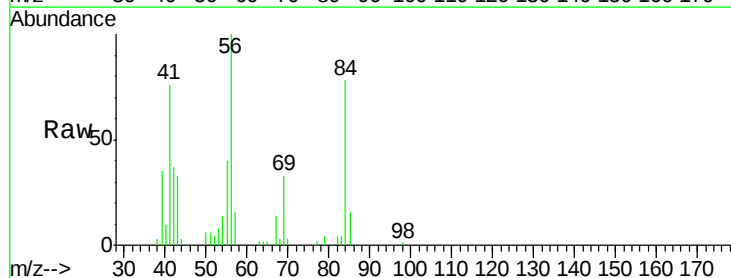
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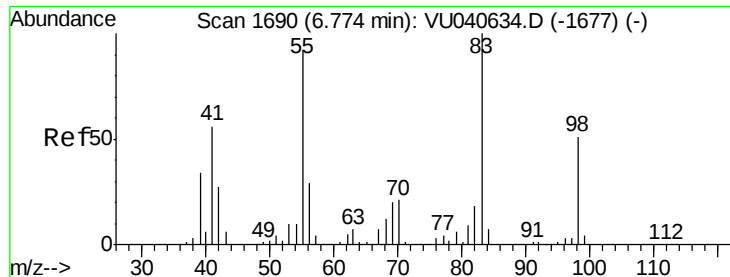
Tgt Ion: 43 Resp: 8920
Ion Ratio Lower Upper
43 100
72 0.0 11.4 34.2#



#30
Cyclohexane
Concen: 1.189 ug/L
RT: 5.40 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VU040636.D
Acq: 10 Oct 2020 15:55

Tgt Ion: 56 Resp: 19749
Ion Ratio Lower Upper
56 100
69 28.9 23.8 35.8
84 71.4 64.0 96.0

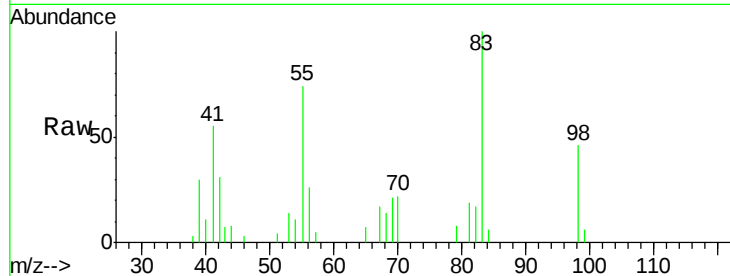




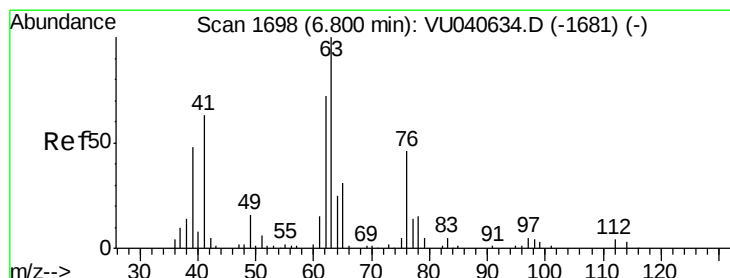
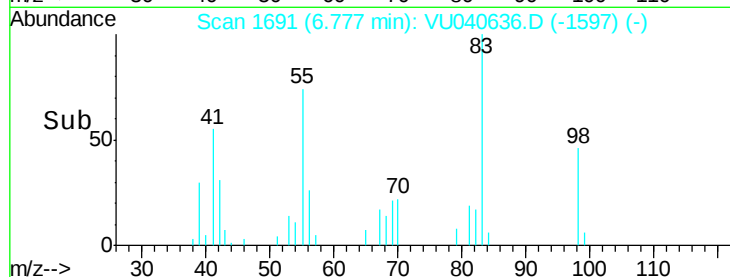
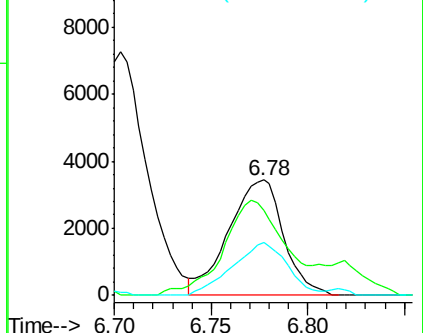
#35
Methylcyclohexane
Concen: 0.429 ug/L
RT: 6.78 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VU040636.D
Acq: 10 Oct 2020 15:55

Instrument :
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ClientSampleId :
BG3S8DL

Tgt Ion: 83 Resp: 6794
Ion Ratio Lower Upper
83 100
55 92.4 70.7 106.1
98 46.1 38.4 57.6

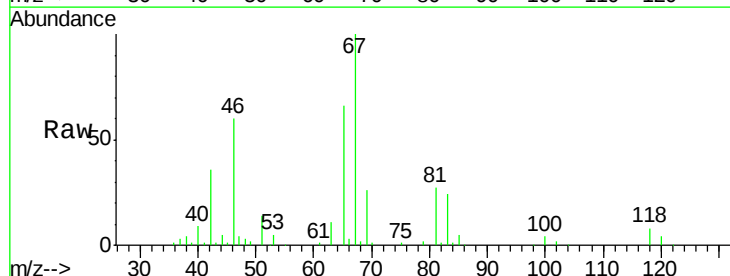


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

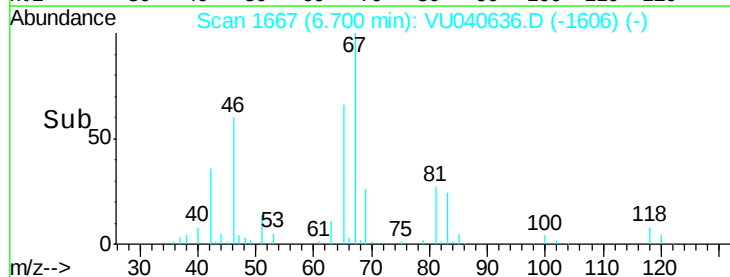
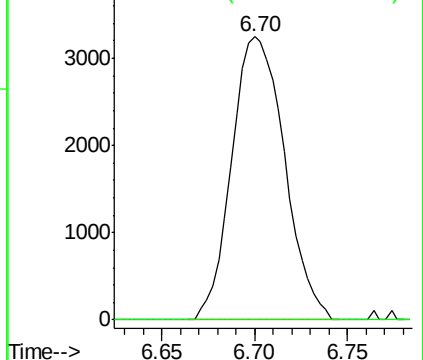


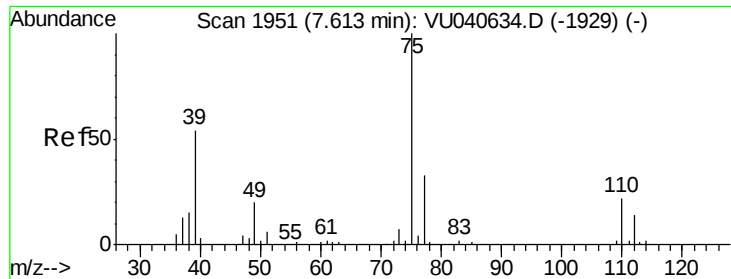
#37
1,2-Dichloropropane
Concen: 0.537 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU040636.D
Acq: 10 Oct 2020 15:55

Tgt Ion: 63 Resp: 6447
Ion Ratio Lower Upper
63 100
112 7.1 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

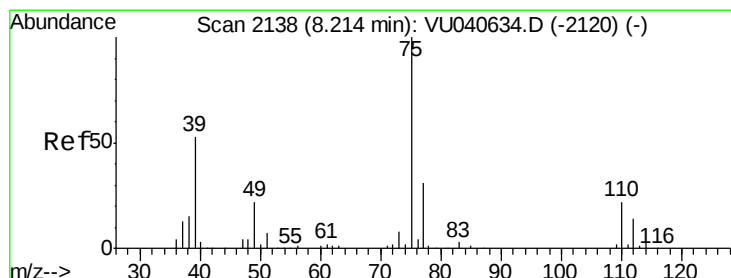
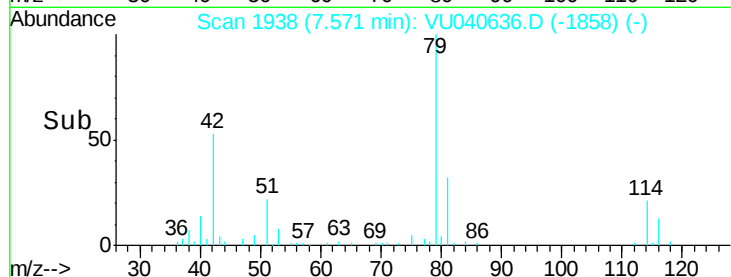
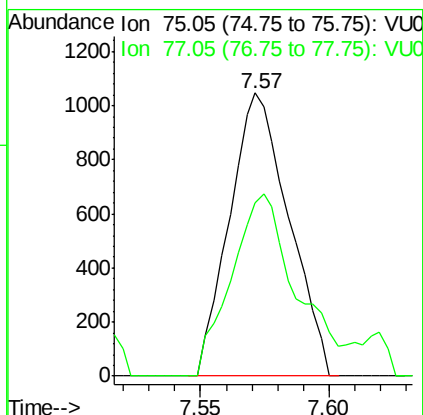
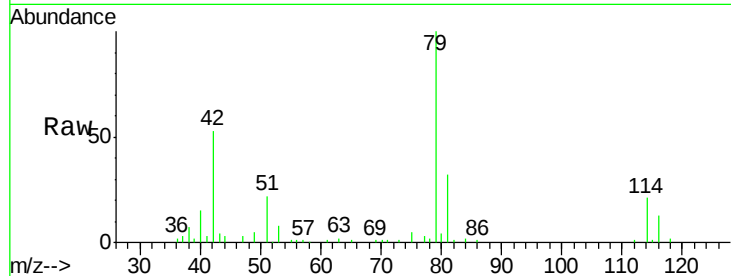




#39
 cis-1,3-Dichloropropene
 Concen: 0.102 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU040636.D
 Acq: 10 Oct 2020 15:55

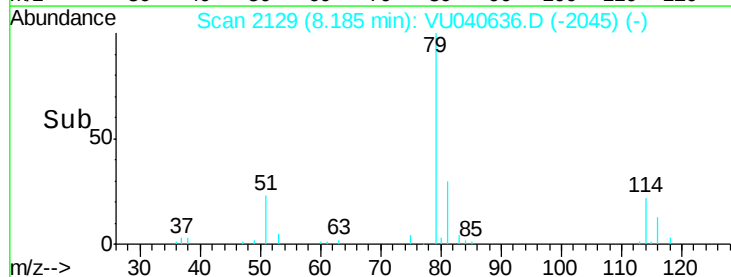
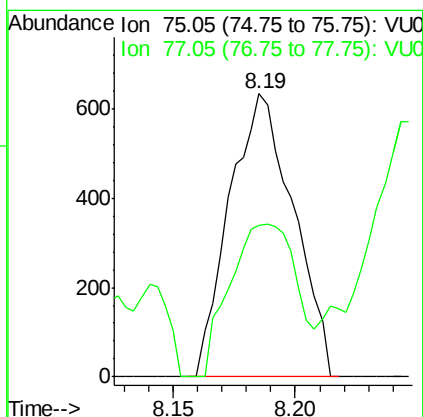
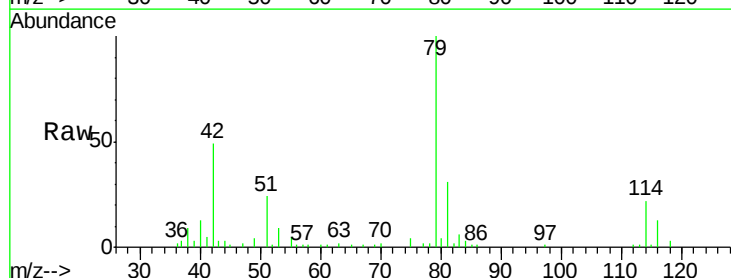
Instrument :
 MSVOA_U
 ClientSampleId :
 BG3S8DL

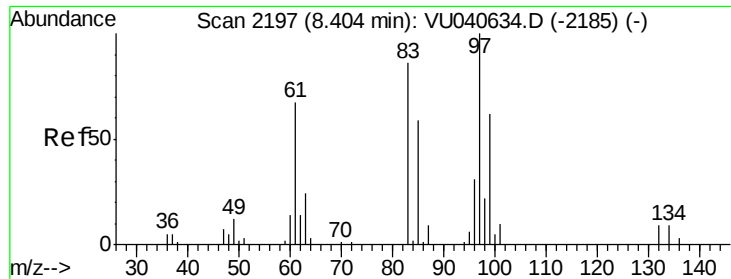
Tgt Ion: 75 Resp: 1678
 Ion Ratio Lower Upper
 75 100
 77 61.2 20.5 38.1#



#44
 trans-1,3-Dichloropropene
 Concen: 0.076 ug/L
 RT: 8.19 min Scan# 2129
 Delta R.T. -0.03 min
 Lab File: VU040636.D
 Acq: 10 Oct 2020 15:55

Tgt Ion: 75 Resp: 1151
 Ion Ratio Lower Upper
 75 100
 77 53.7 20.4 38.0#

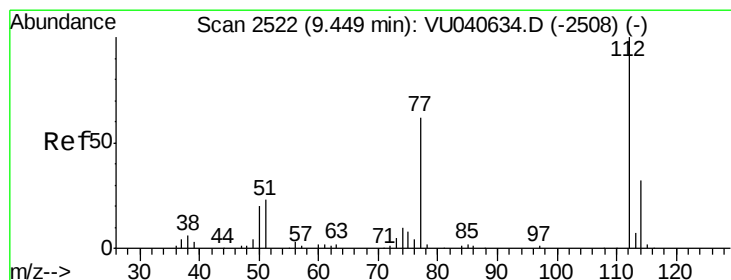
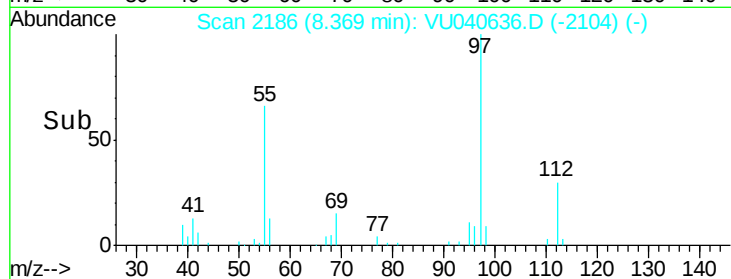
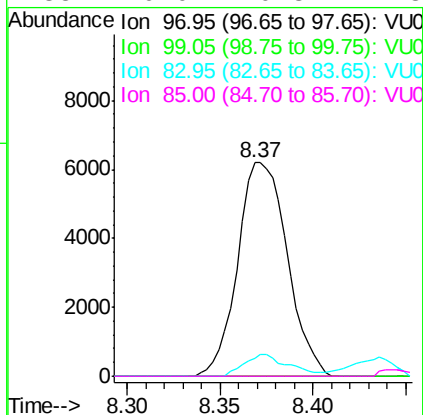
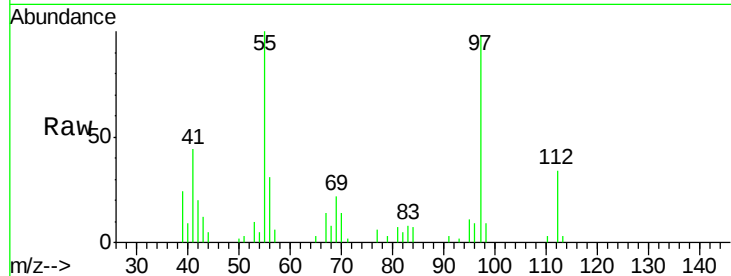




#45
 1,1,2-Trichloroethane
 Concen: 1.280 ug/L
 RT: 8.37 min Scan# 2186
 Delta R.T. -0.04 min
 Lab File: VU040636.D
 Acq: 10 Oct 2020 15:55

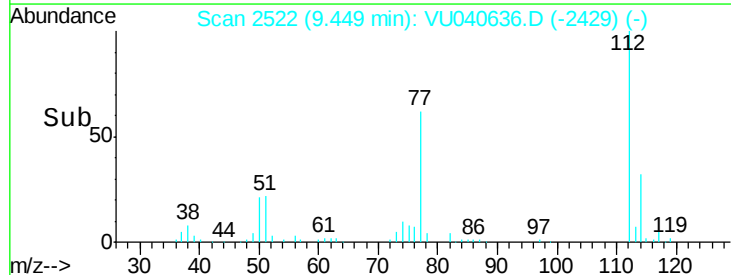
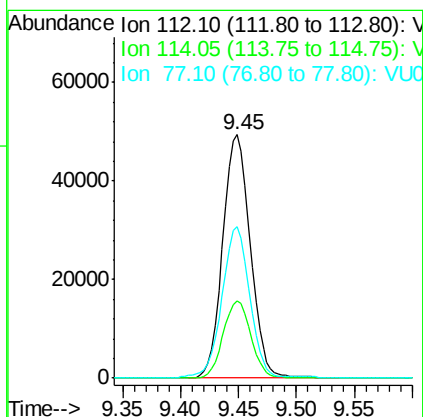
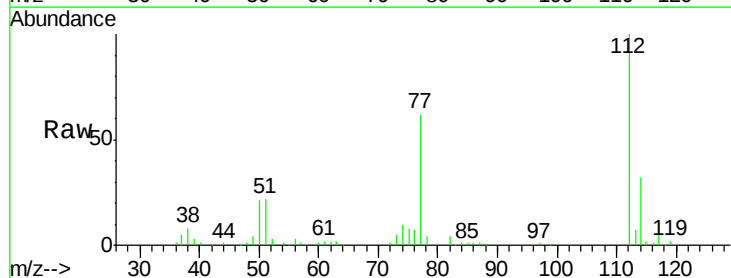
Instrument :
 MSVOA_U
 ClientSampleId :
 BG3S8DL

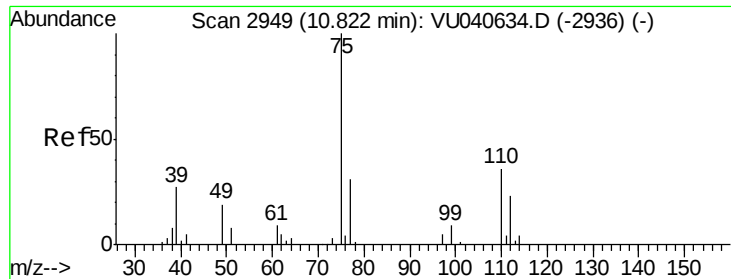
Tgt Ion: 97 Resp: 11505
 Ion Ratio Lower Upper
 97 100
 99 0.0 44.0 81.6#
 83 8.3 62.9 116.9#
 85 0.0 40.3 74.8#



#51
 Chlorobenzene
 Concen: 2.811 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU040636.D
 Acq: 10 Oct 2020 15:55

Tgt Ion: 112 Resp: 81273
 Ion Ratio Lower Upper
 112 100
 114 31.7 23.1 42.9
 77 62.3 50.3 75.5

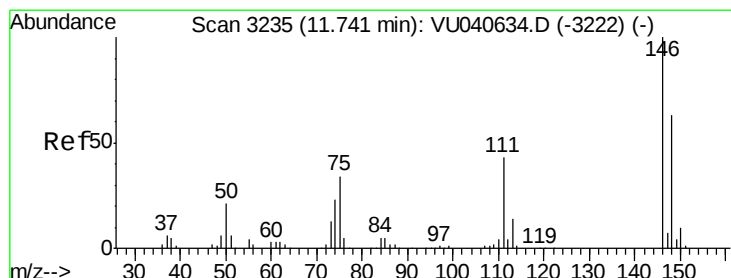
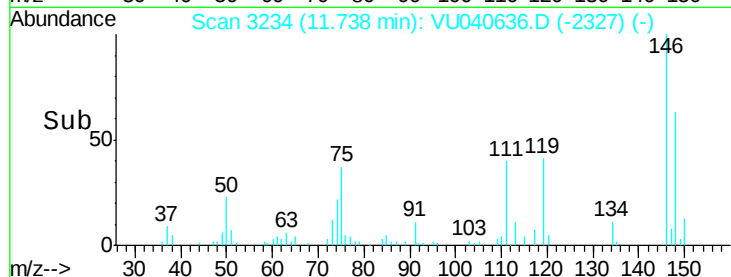
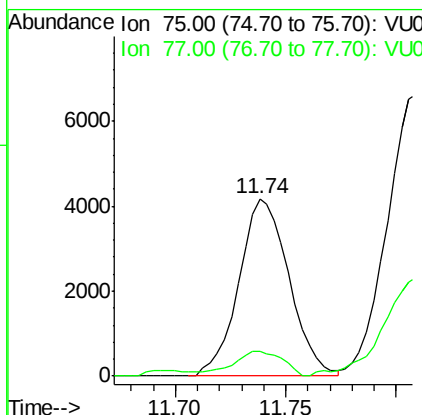
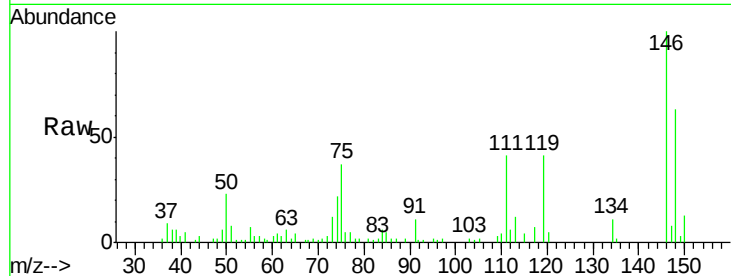




#59
 1,2,3-Trichloropropane
 Concen: 0.750 ug/L
 RT: 11.74 min Scan# 3234
 Delta R.T. 0.92 min
 Lab File: VU040636.D
 Acq: 10 Oct 2020 15:55

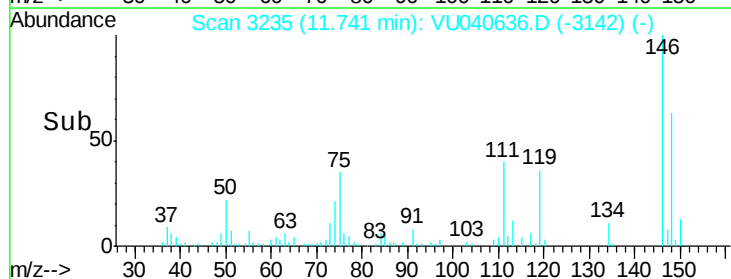
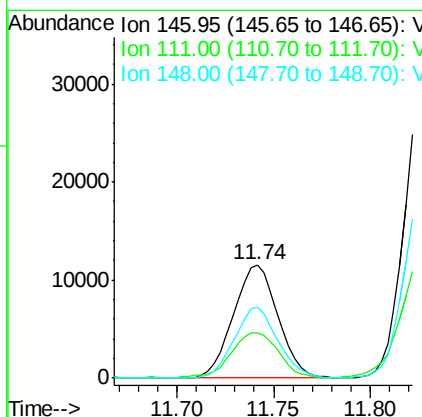
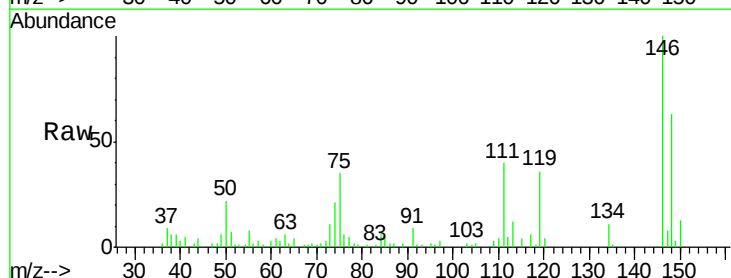
Instrument :
 MSVOA_U
 ClientSampleId :
 BG3S8DL

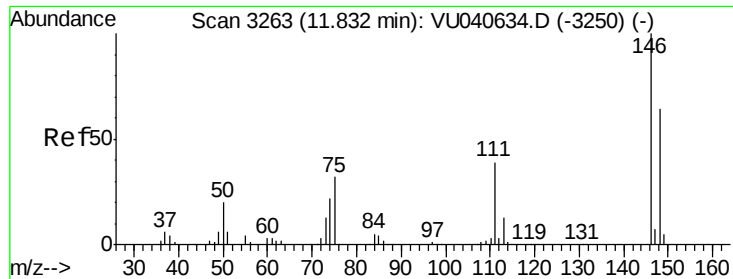
Tgt Ion: 75 Resp: 6615
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.4 39.6#



#62
 1,3-Dichlorobenzene
 Concen: 0.824 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU040636.D
 Acq: 10 Oct 2020 15:55

Tgt Ion: 146 Resp: 18435
 Ion Ratio Lower Upper
 146 100
 111 39.9 28.8 53.6
 148 62.8 44.4 82.4

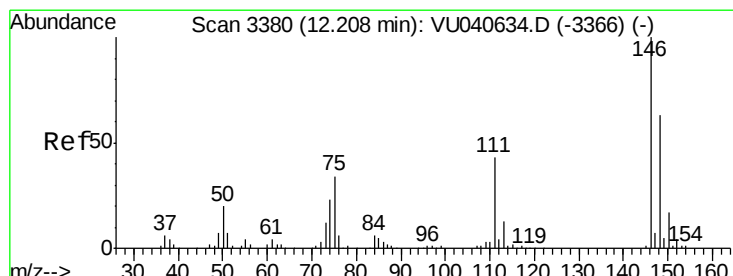
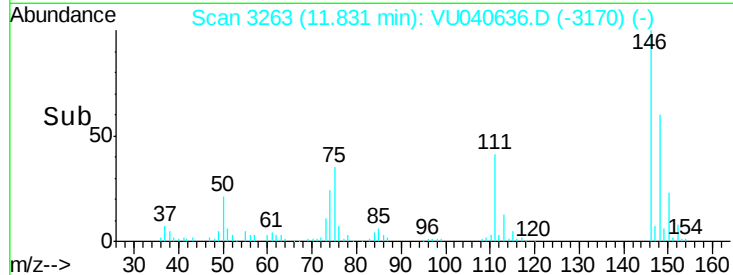
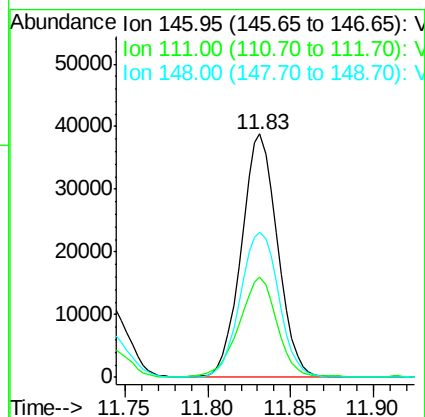
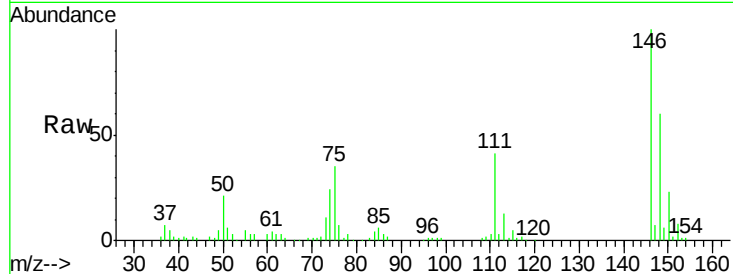




#63
 1,4-Dichlorobenzene
 Concen: 2.547 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU040636.D
 Acq: 10 Oct 2020 15:55

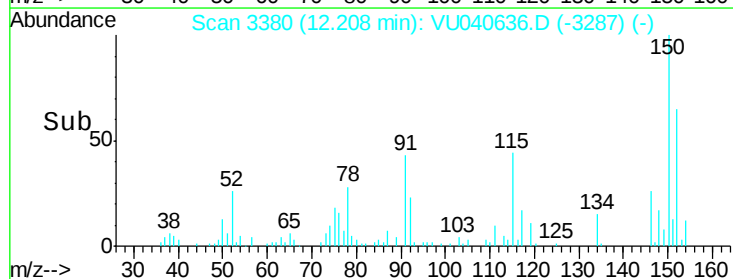
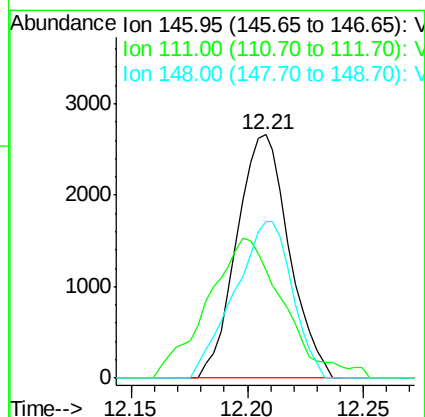
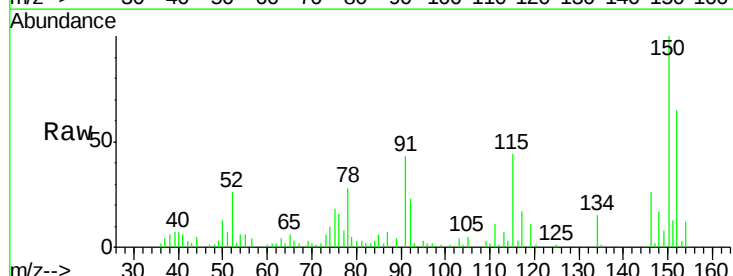
Instrument :
 MSVOA_U
 ClientSampled :
 BG3S8DL

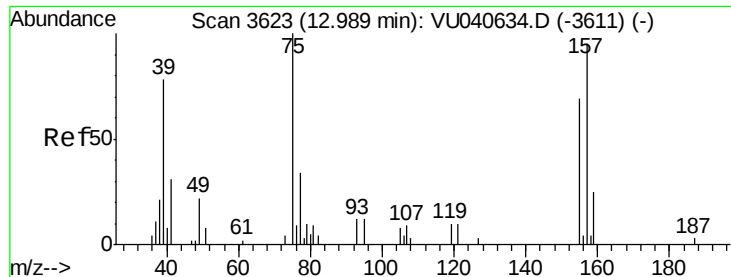
Tgt Ion:146 Resp: 58784
 Ion Ratio Lower Upper
 146 100
 111 40.9 28.4 52.8
 148 59.5 44.0 81.6



#65
 1,2-Dichlorobenzene
 Concen: 0.191 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU040636.D
 Acq: 10 Oct 2020 15:55

Tgt Ion:146 Resp: 4177
 Ion Ratio Lower Upper
 146 100
 111 44.3 34.4 51.6
 148 64.3 50.0 75.0

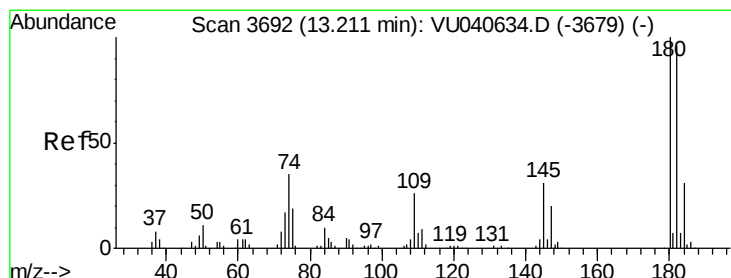
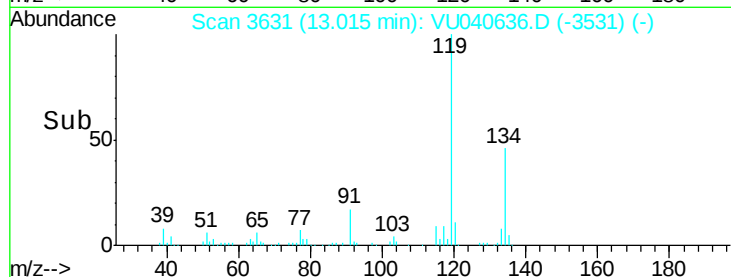
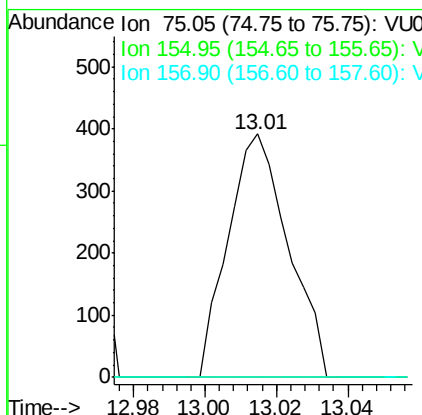
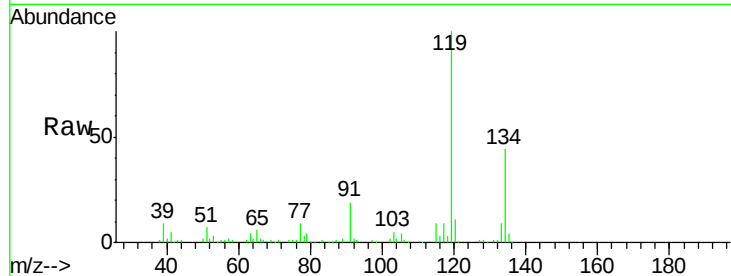




#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.238 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. 0.02 min
 Lab File: VU040636.D
 Acq: 10 Oct 2020 15:55

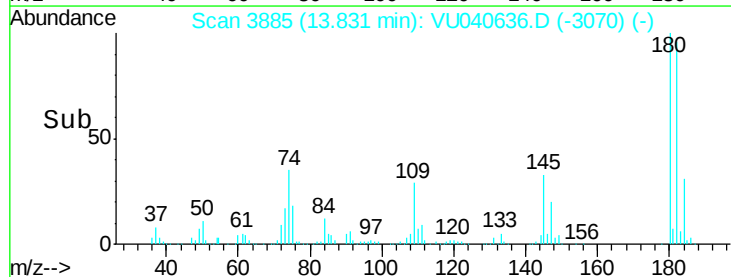
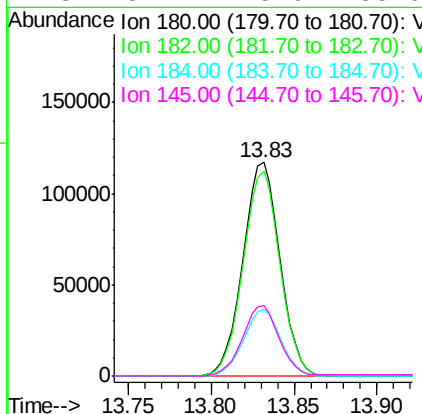
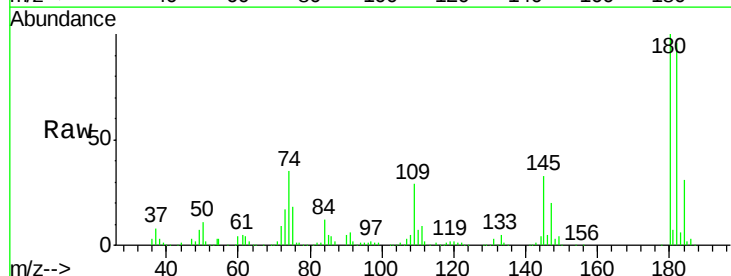
Instrument :
 MSVOA_U
 ClientSampled :
 BG3S8DL

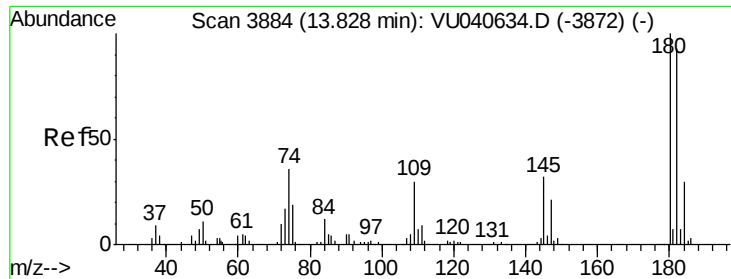
Tgt Ion: 75 Resp: 457
 Ion Ratio Lower Upper
 75 100
 155 0.0 53.8 80.6#
 157 0.0 74.6 112.0#



#67
 1,3,5-Trichlorobenzene
 Concen: 11.429 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.62 min
 Lab File: VU040636.D
 Acq: 10 Oct 2020 15:55

Tgt Ion: 180 Resp: 181524
 Ion Ratio Lower Upper
 180 100
 182 95.7 77.0 115.4
 184 31.2 24.5 36.7
 145 32.7 25.9 38.9

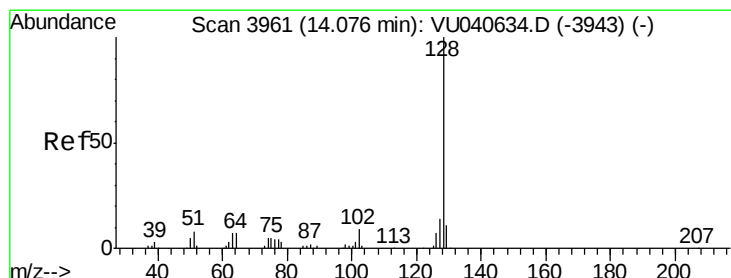
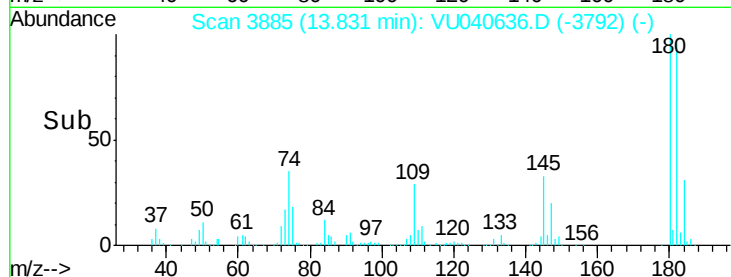
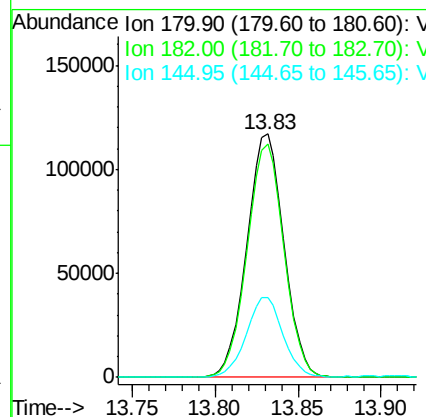
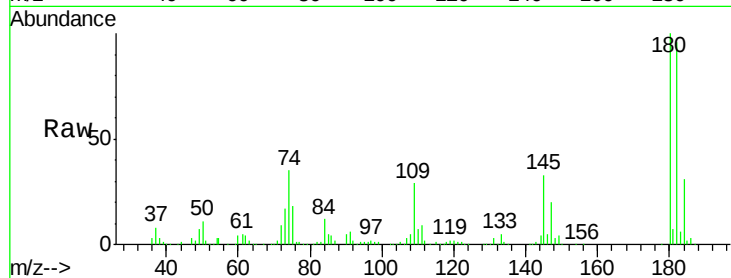




#68
 1,2,4-trichlorobenzene
 Concen: 14.792 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU040636.D
 Acq: 10 Oct 2020 15:55

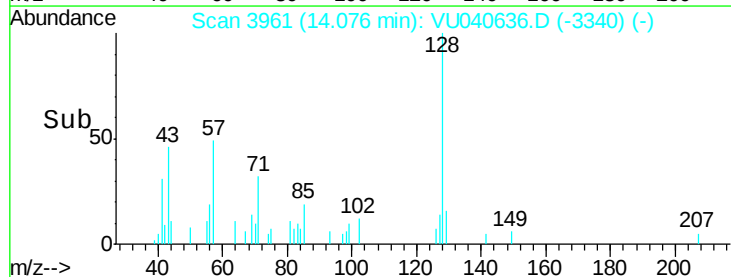
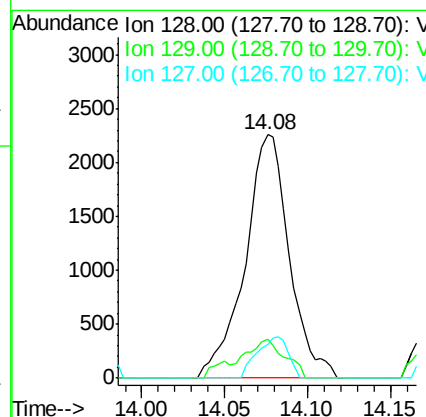
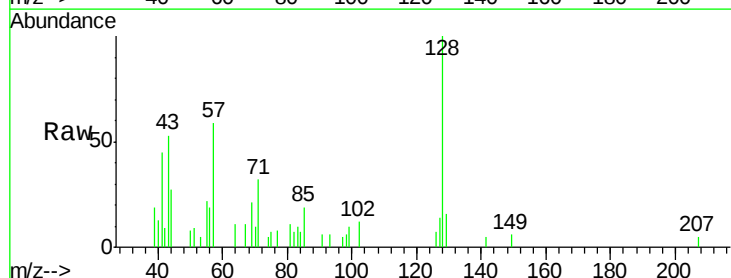
Instrument :
 MSVOA_U
 ClientSampleId :
 BG3S8DL

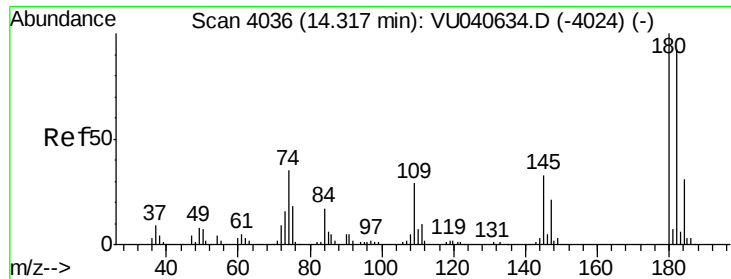
Tgt Ion:180 Resp: 181524
 Ion Ratio Lower Upper
 180 100
 182 95.7 78.8 118.2
 145 32.7 26.1 39.1



#69
 Naphthalene
 Concen: 0.208 ug/L
 RT: 14.08 min Scan# 3961
 Delta R.T. -0.00 min
 Lab File: VU040636.D
 Acq: 10 Oct 2020 15:55

Tgt Ion:128 Resp: 4180
 Ion Ratio Lower Upper
 128 100
 129 16.8 9.0 13.4#
 127 11.9 10.2 15.4





#70

1,2,3-Trichlorobenzene

Concen: 2.231 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. -0.00 min

Lab File: VU040636.D

Acq: 10 Oct 2020 15:55

Instrument :

MSVOA_U

ClientSampleId :

BG3S8DL

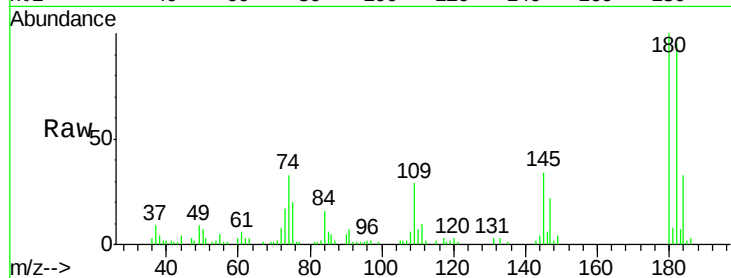
Tgt Ion:180 Resp: 25422

Ion Ratio Lower Upper

180 100

182 96.8 75.8 113.8

145 38.2 27.4 41.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

