

Data File : VU035304.D
Acq On : 19 Oct 2019 08:45
Operator : JC/SP
Sample : VIBLK40
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VIBLK40

Quant Time: Oct 21 05:44:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Oct 21 05:38:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	672319	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	630999	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	209861	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	284556	49.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.40%
7) Chloroethane-d5	1.93	69	238749	49.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.38%
11) 1,1-Dichloroethene-d2	2.60	63	367861	38.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.08%
21) 2-Butanone-d5	4.70	46	378940	98.84	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.84%
24) Chloroform-d	5.12	84	453195	48.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.98%
26) 1,2-Dichloroethane-d4	5.75	65	299428	48.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.74%
32) Benzene-d6	5.78	84	943190	51.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.68%
36) 1,2-Dichloropropane-d6	6.74	67	301180	51.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.58%
41) Toluene-d8	7.93	98	871081	50.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.36%
43) trans-1,3-Dichloropropene-	8.22	79	152164	50.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.04%
47) 2-Hexanone-d5	8.68	63	247861	95.93	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.93%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	408873	47.30	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.60%
64) 1,2-Dichlorobenzene-d4	12.22	152	248463	51.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.14%

Target Compounds

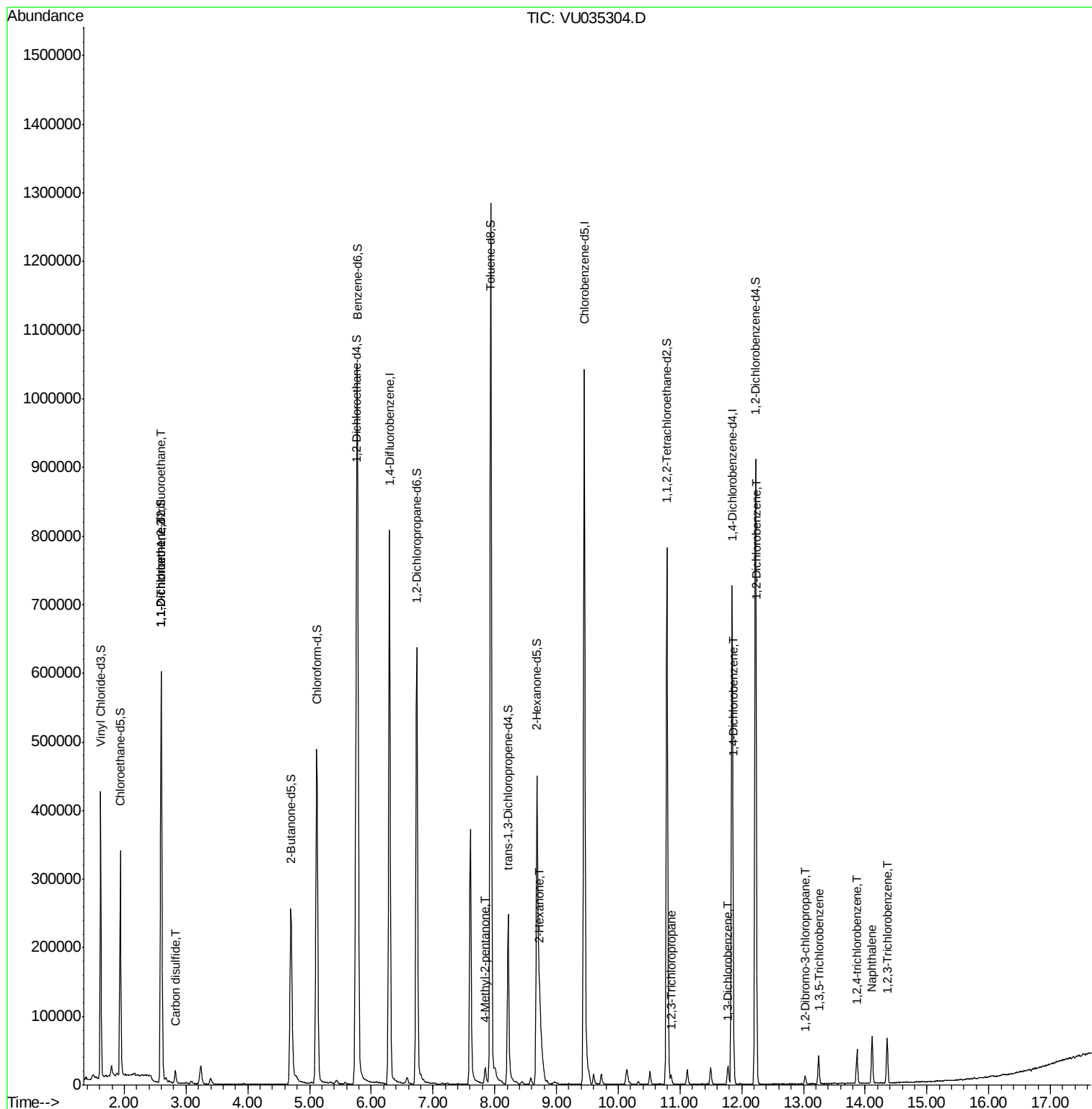
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	4675	1.101	ug/L #	46
12) 1,1-Dichloroethene	2.61	96	4741	1.150	ug/L #	1
14) Carbon disulfide	2.83	76	23636	1.820	ug/L	100
40) 4-Methyl-2-pentanone	7.84	43	18206	2.667	ug/L	96
48) 2-Hexanone	8.74	43	35677	6.145	ug/L #	83
59) 1,2,3-Trichloropropane	10.85	75	6121	0.973	ug/L	95
62) 1,3-Dichlorobenzene	11.78	146	12272	1.800	ug/L	95
63) 1,4-Dichlorobenzene	11.87	146	14959	2.191	ug/L	96
65) 1,2-Dichlorobenzene	12.24	146	12909	1.896	ug/L	95
66) 1,2-Dibromo-3-chloropropan	13.03	75	2687	2.497	ug/L	96
67) 1,3,5-Trichlorobenzene	13.25	180	12787	3.351	ug/L	96
68) 1,2,4-trichlorobenzene	13.87	180	15831	6.295	ug/L	97
69) Naphthalene	14.11	128	54905	7.931	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	20373	7.830	ug/L	99

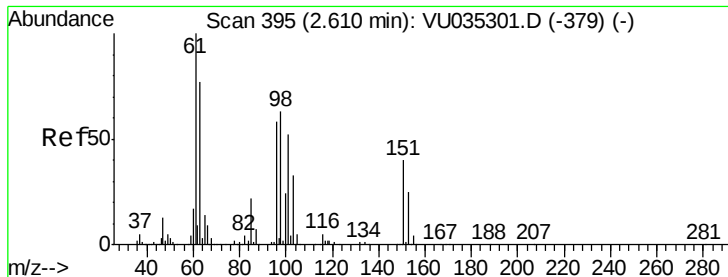
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 1.101 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.01 min

Lab File: VU035304.D

Acq: 19 Oct 2019 08:45

Instrument :

MSVOA_U

ClientSampleId :

VIBLK40

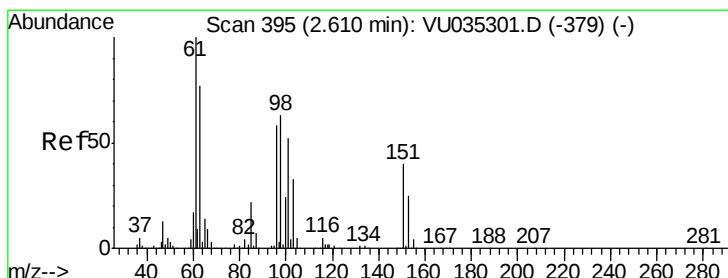
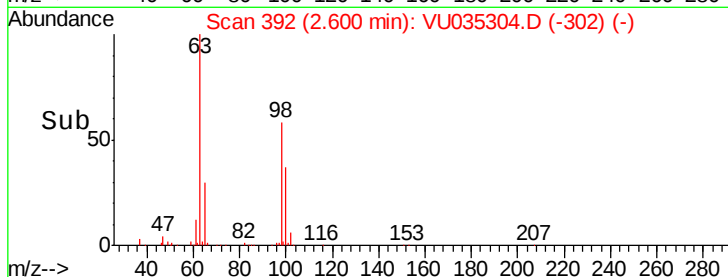
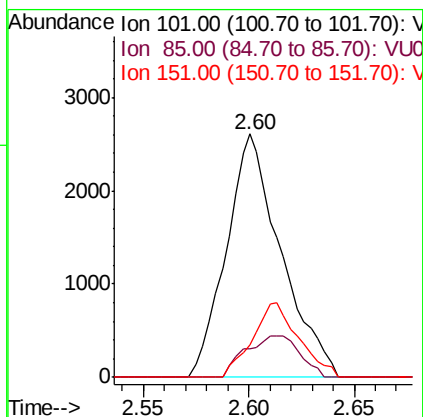
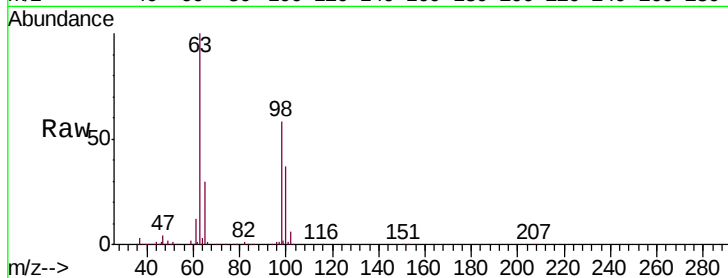
Tgt Ion:101 Resp: 4675

Ion Ratio Lower Upper

101 100

85 13.0 33.7 50.5#

151 26.0 60.3 90.5#



#12

1,1-Dichloroethene

Concen: 1.150 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035304.D

Acq: 19 Oct 2019 08:45

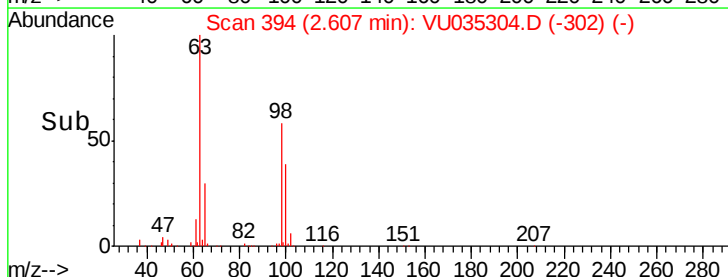
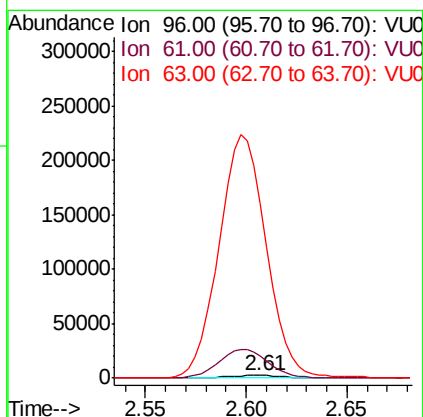
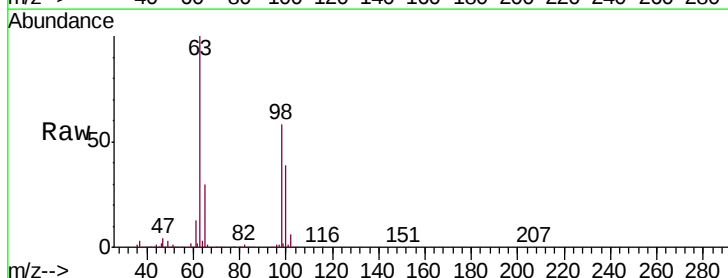
Tgt Ion: 96 Resp: 4741

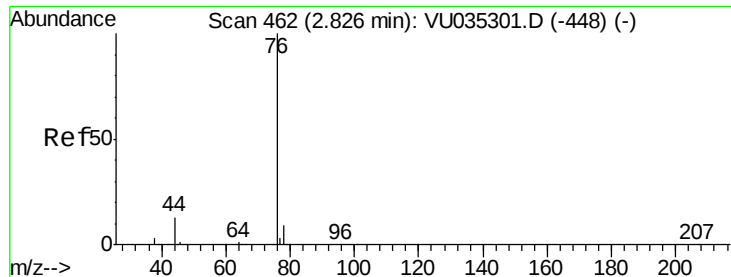
Ion Ratio Lower Upper

96 100

61 840.6 121.1 224.9#

63 6697.7 93.9 174.3#





#14

Carbon disulfide

Concen: 1.820 ug/L

RT: 2.83 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU035304.D

Acq: 19 Oct 2019 08:45

Instrument :

MSVOA_U

ClientSampleId :

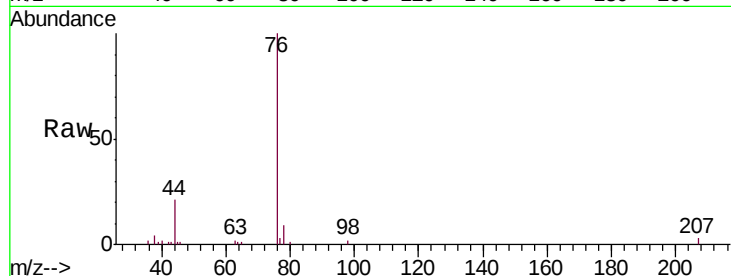
VIBLK40

Tgt Ion: 76 Resp: 23636

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

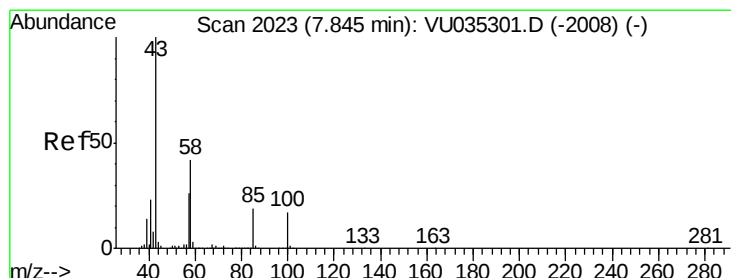
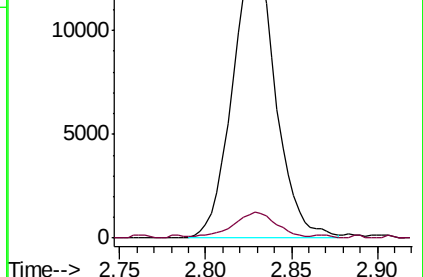
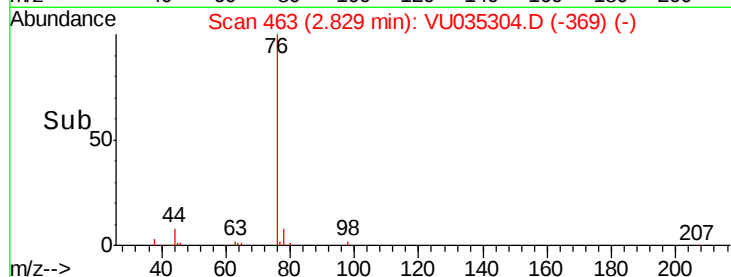


Abundance Ion 76.00 (75.70 to 76.70): VU035301.D (-448) (-)

Ion 78.00 (77.70 to 78.70): VU035301.D (-448) (-)

2.83

Time-->



#40

4-Methyl-2-pentanone

Concen: 2.667 ug/L

RT: 7.84 min Scan# 2023

Delta R.T. -0.00 min

Lab File: VU035304.D

Acq: 19 Oct 2019 08:45

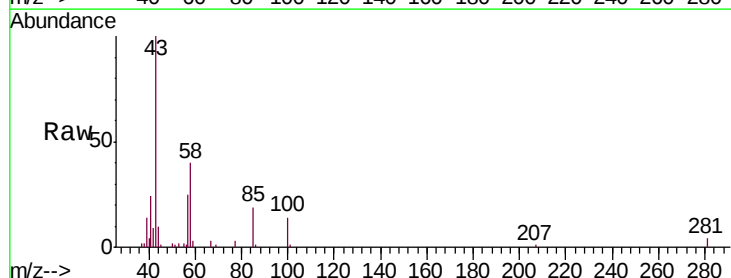
Tgt Ion: 43 Resp: 18206

Ion Ratio Lower Upper

43 100

58 38.9 33.1 49.7

100 14.3 13.2 19.8



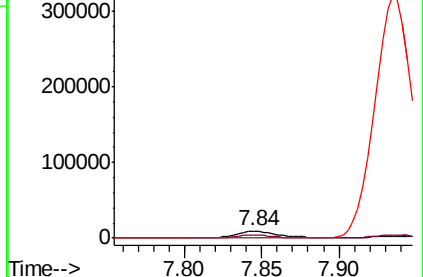
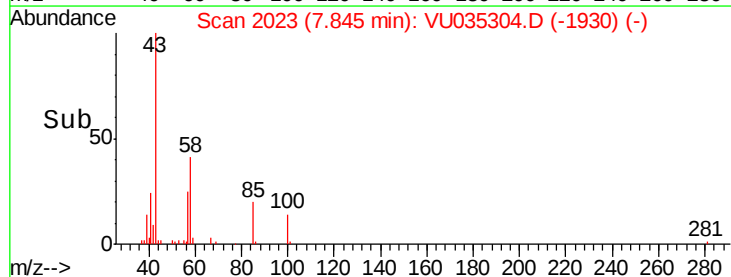
Abundance Ion 43.00 (42.70 to 43.70): VU035301.D (-2008) (-)

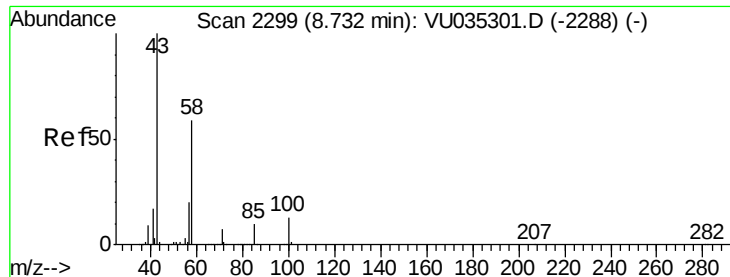
Ion 58.00 (57.70 to 58.70): VU035301.D (-2008) (-)

Ion 100.00 (99.70 to 100.70): VU035301.D (-2008) (-)

7.84

Time-->

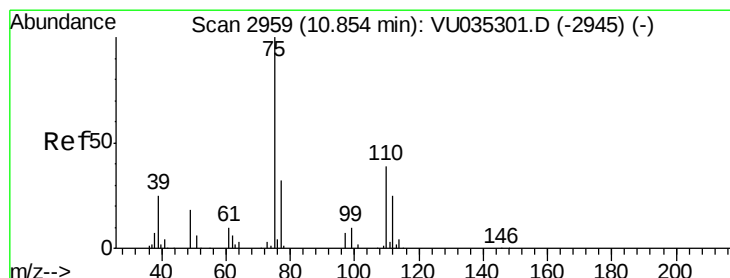
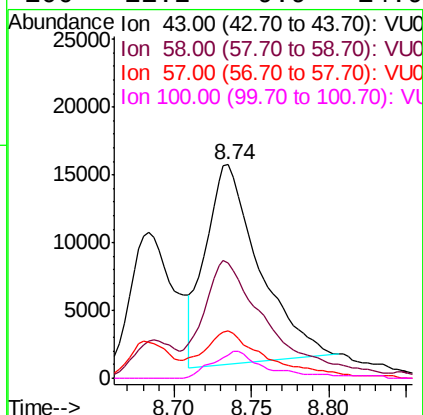
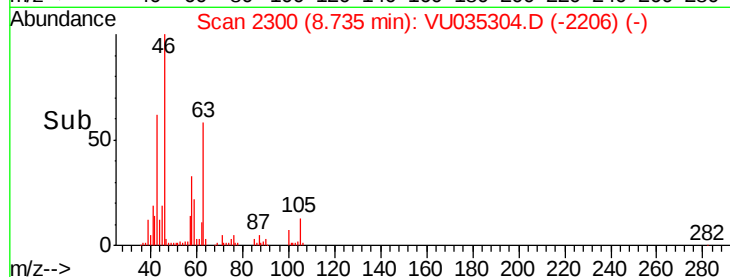
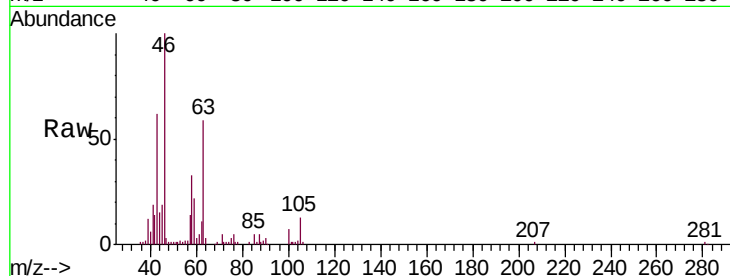




#48
2-Hexanone
Concen: 6.145 ug/L
RT: 8.74 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VU035304.D
Acq: 19 Oct 2019 08:45

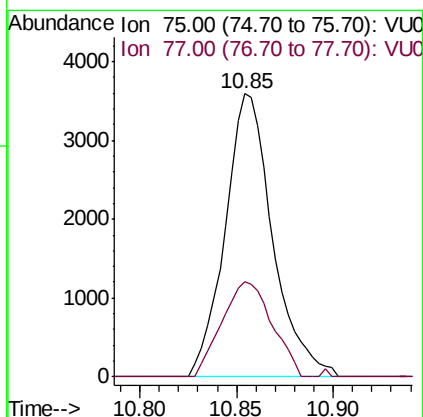
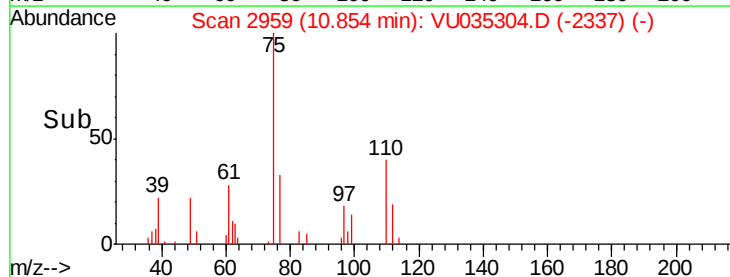
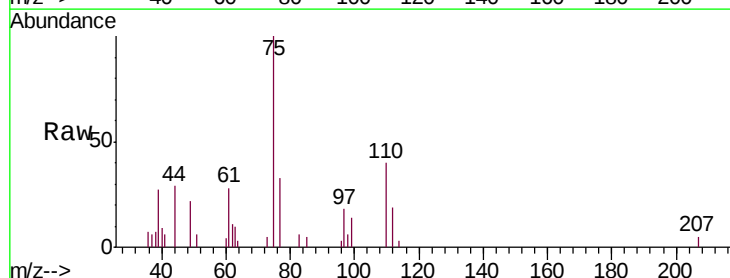
Instrument :
MSVOA_U
ClientSampleId :
VIBLK40

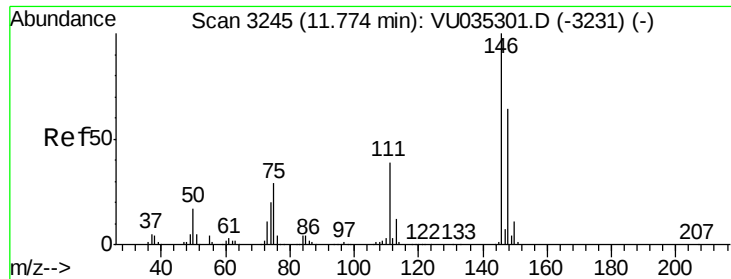
Tgt Ion: 43 Resp: 35677
Ion Ratio Lower Upper
43 100
58 67.2 42.7 64.1#
57 26.4 14.8 22.2#
100 11.2 9.9 14.9



#59
1,2,3-Trichloropropane
Concen: 0.973 ug/L
RT: 10.85 min Scan# 2959
Delta R.T. -0.00 min
Lab File: VU035304.D
Acq: 19 Oct 2019 08:45

Tgt Ion: 75 Resp: 6121
Ion Ratio Lower Upper
75 100
77 35.4 26.2 39.2





#62

1,3-Dichlorobenzene

Concen: 1.800 ug/L

RT: 11.78 min Scan# 3247

Delta R.T. 0.01 min

Lab File: VU035304.D

Acq: 19 Oct 2019 08:45

Instrument :

MSVOA_U

ClientSampleId :

VIBLK40

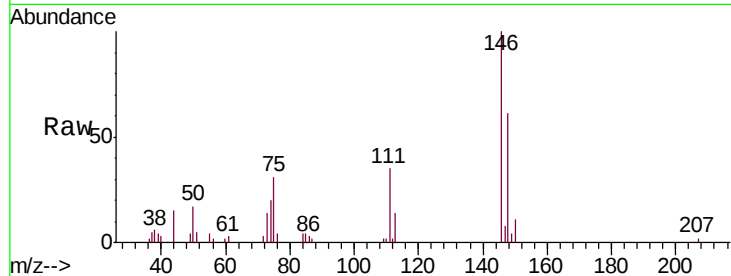
Tgt Ion:146 Resp: 12272

Ion Ratio Lower Upper

146 100

111 35.0 27.3 50.7

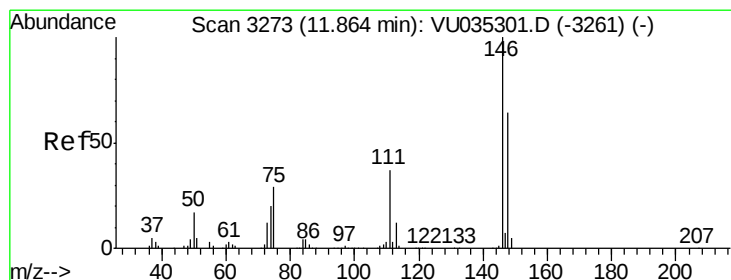
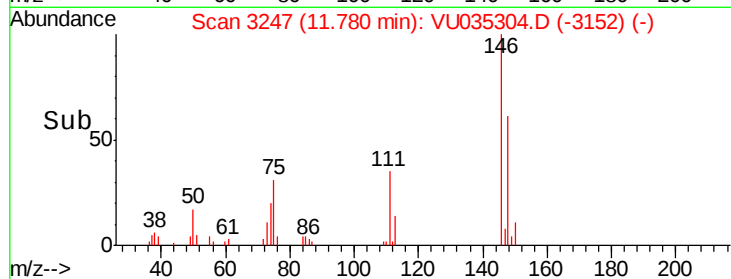
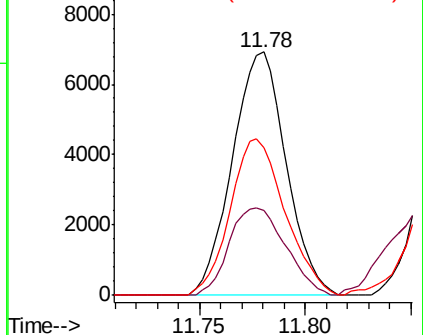
148 60.8 44.8 83.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 2.191 ug/L

RT: 11.87 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VU035304.D

Acq: 19 Oct 2019 08:45

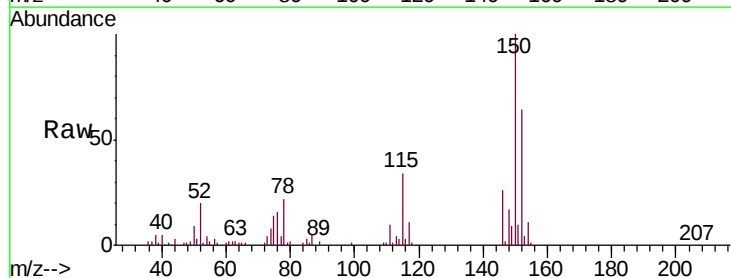
Tgt Ion:146 Resp: 14959

Ion Ratio Lower Upper

146 100

111 40.0 26.2 48.8

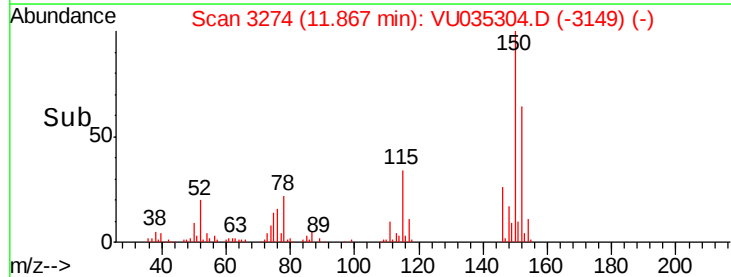
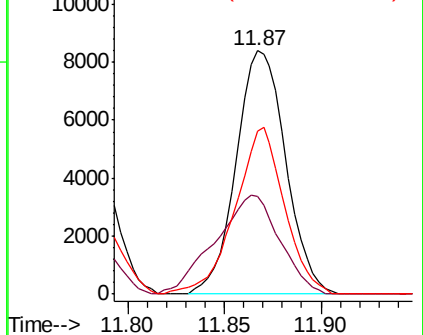
148 66.8 44.5 82.7

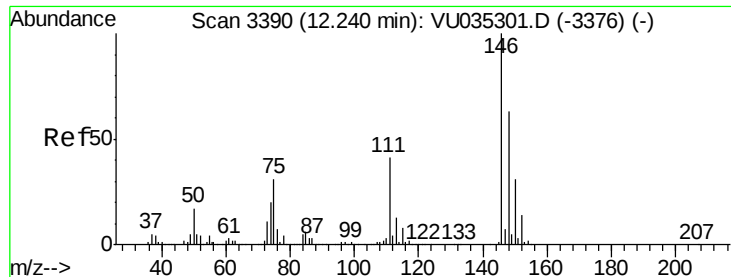


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

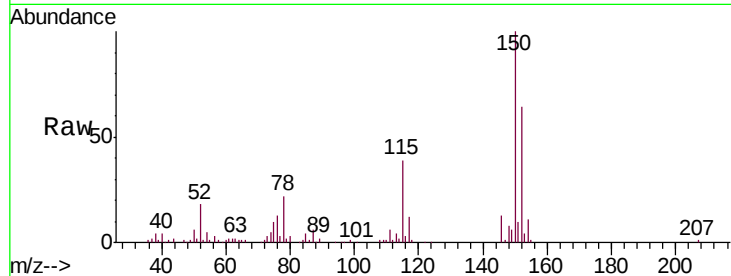




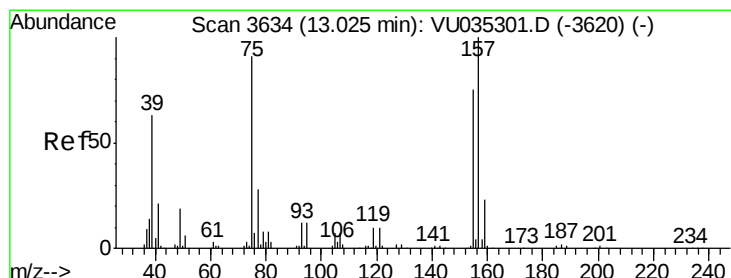
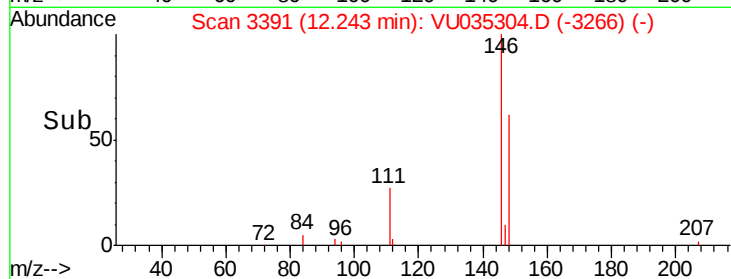
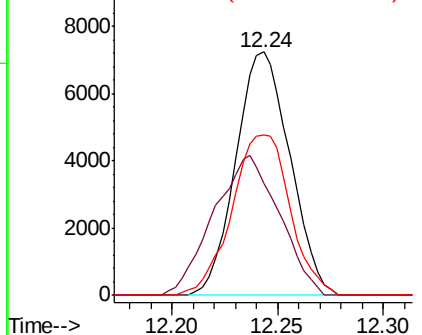
#65
 1,2-Dichlorobenzene
 Concen: 1.896 ug/L
 RT: 12.24 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VU035304.D
 Acq: 19 Oct 2019 08:45

Instrument :
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 VIBLK40

Tgt Ion: 146 Resp: 12909
 Ion Ratio Lower Upper
 146 100
 111 46.1 32.8 49.2
 148 65.6 50.2 75.4

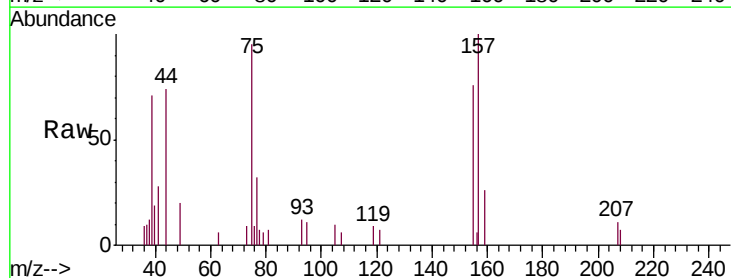


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

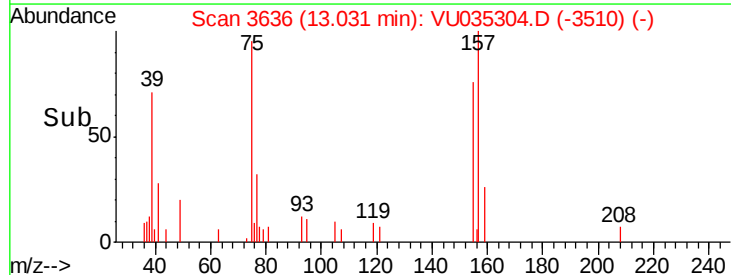
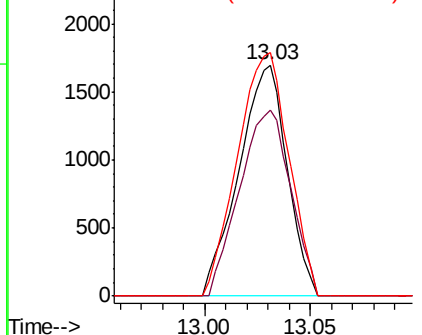


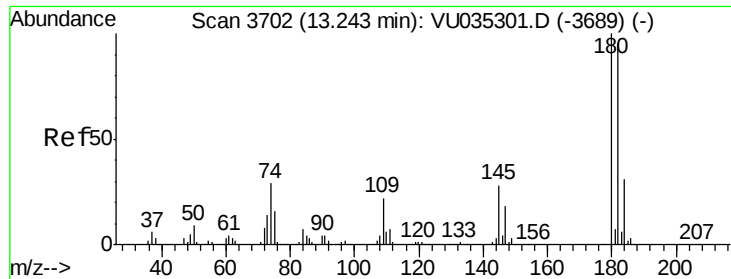
#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.497 ug/L
 RT: 13.03 min Scan# 3636
 Delta R.T. 0.01 min
 Lab File: VU035304.D
 Acq: 19 Oct 2019 08:45

Tgt Ion: 75 Resp: 2687
 Ion Ratio Lower Upper
 75 100
 155 80.4 66.2 99.2
 157 105.2 88.2 132.2



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V

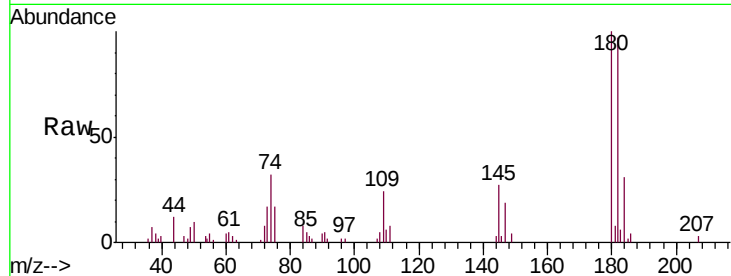




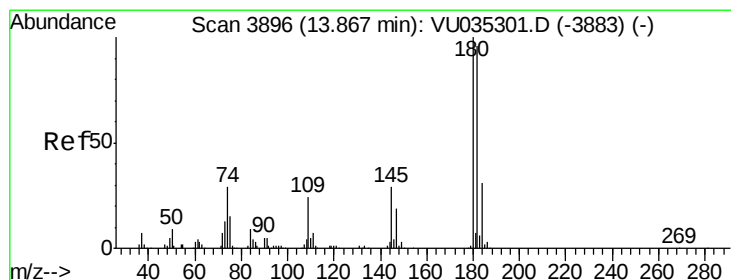
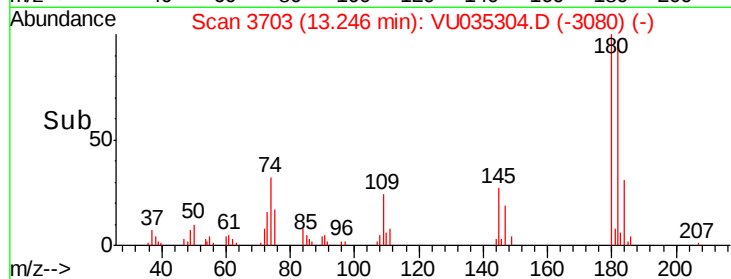
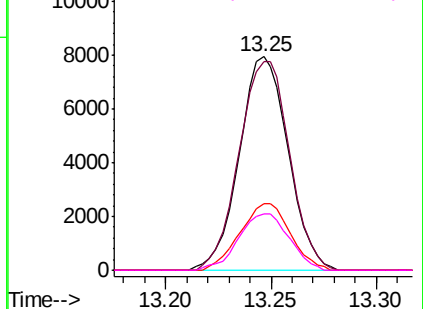
#67
 1,3,5-Trichlorobenzene
 Concen: 3.351 ug/L
 RT: 13.25 min Scan# 3703
 Delta R.T. 0.00 min
 Lab File: VU035304.D
 Acq: 19 Oct 2019 08:45

Instrument :
 MSVOA_U
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 VIBLK40

Tgt Ion:	180	Resp:	12787
Ion	Ratio	Lower	Upper
180	100		
182	101.0	76.5	114.7
184	32.1	24.5	36.7
145	27.5	22.2	33.4

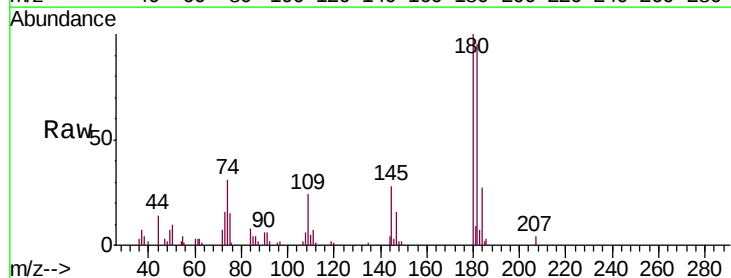


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

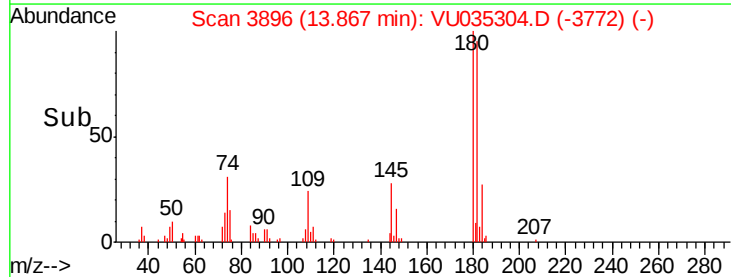
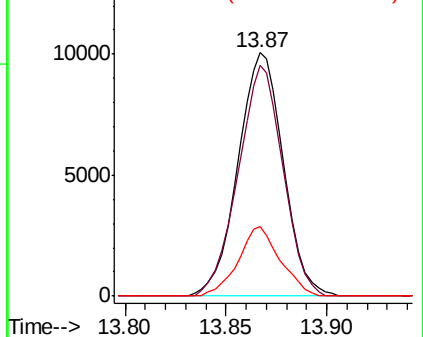


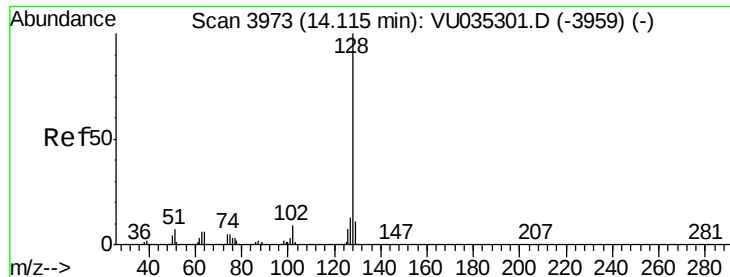
#68
 1,2,4-trichlorobenzene
 Concen: 6.295 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.00 min
 Lab File: VU035304.D
 Acq: 19 Oct 2019 08:45

Tgt Ion:	180	Resp:	15831
Ion	Ratio	Lower	Upper
180	100		
182	93.1	76.2	114.2
145	26.3	22.8	34.2



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





#69

Naphthalene

Concen: 7.931 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU035304.D

Acq: 19 Oct 2019 08:45

Instrument :

MSVOA_U

ClientSampleId :

VIBLK40

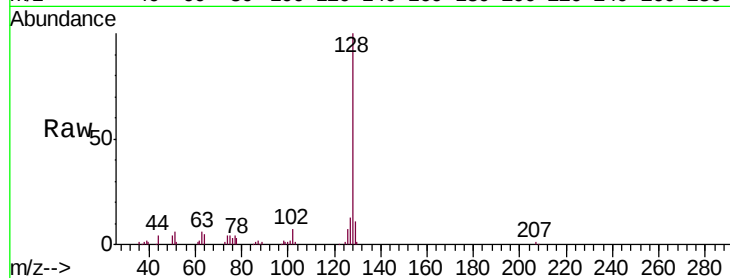
Tgt Ion:128 Resp: 54905

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.4

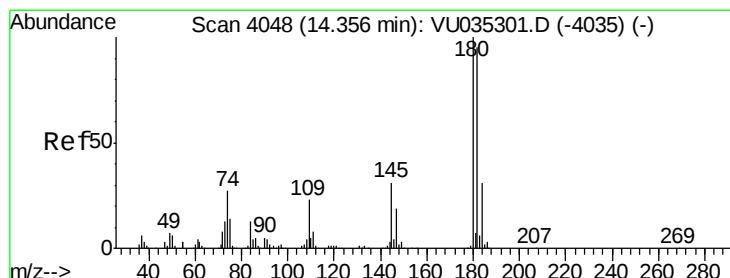
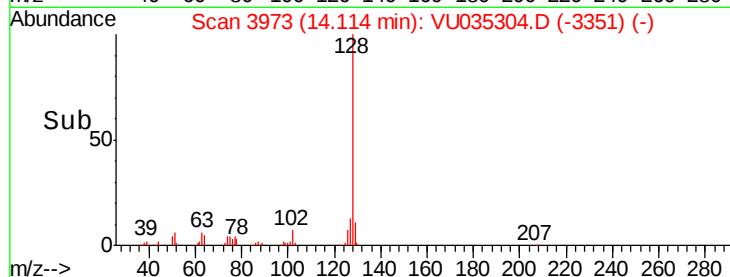
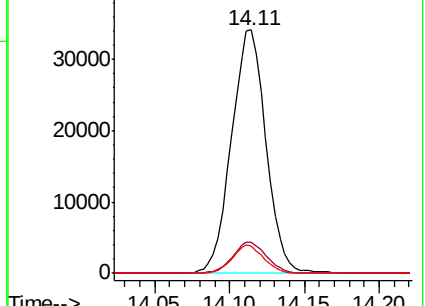
129 10.6 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 7.830 ug/L

RT: 14.36 min Scan# 4048

Delta R.T. -0.00 min

Lab File: VU035304.D

Acq: 19 Oct 2019 08:45

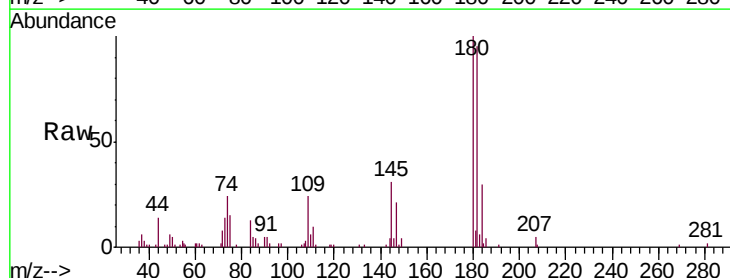
Tgt Ion:180 Resp: 20373

Ion Ratio Lower Upper

180 100

182 94.6 76.2 114.2

145 30.7 24.2 36.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

