

Data File : VU035206.D
Acq On : 17 Oct 2019 11:49
Operator : JC/SP
Sample : VIBLK20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VIBLK20

Quant Time: Oct 18 03:05:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 18 02:50:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	418627	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	392359	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	157253	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	115000	4.50	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.00%
7) Chloroethane-d5	1.93	69	104876	4.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.80%
11) 1,1-Dichloroethene-d2	2.59	63	153720	3.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.20%
20) 2-Butanone-d5	4.72	46	334783	45.64	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.28%
24) Chloroform-d	5.11	84	207011	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
26) 1,2-Dichloroethane-d4	5.75	65	118104	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.40%
32) Benzene-d6	5.77	84	426507	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
36) 1,2-Dichloropropane-d6	6.74	67	136411	4.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.80%
41) Toluene-d8	7.93	98	404065	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
43) trans-1,3-Dichloropropene-	8.22	79	63733	4.61	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.20%
46) 2-Hexanone-d5	8.69	63	277329	45.48	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.96%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	111988	4.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	133578	4.66	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.20%

Target Compounds

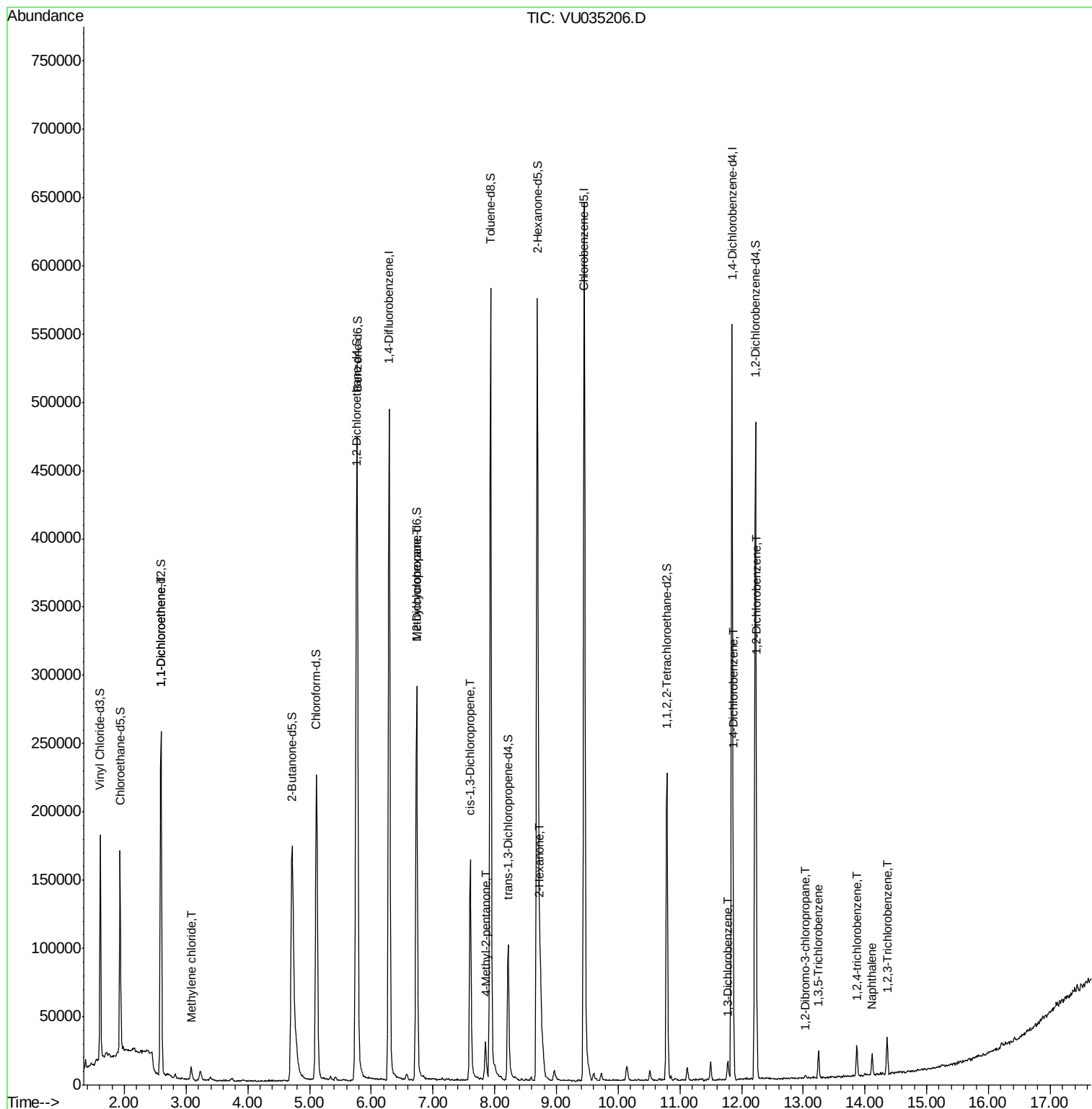
					Qvalue	
12) 1,1-Dichloroethene	2.60	96	1901	0.071	ug/L #	1
16) Methylene chloride	3.08	84	4231	0.131	ug/L	90
35) Methylcyclohexane	6.73	83	32003	0.617	ug/L #	19
39) cis-1,3-Dichloropropene	7.61	75	4596	0.094	ug/L #	31
40) 4-Methyl-2-pentanone	7.85	43	21440	1.084	ug/L #	87
48) 2-Hexanone	8.74	43	33172	2.391	ug/L	98
62) 1,3-Dichlorobenzene	11.77	146	6401	0.119	ug/L	96
63) 1,4-Dichlorobenzene	11.87	146	7249	0.137	ug/L	90
65) 1,2-Dichlorobenzene	12.25	146	6782	0.135	ug/L #	85
66) 1,2-Dibromo-3-chloropropan	13.03	75	676	0.190	ug/L #	60
67) 1,3,5-Trichlorobenzene	13.25	180	6153	0.185	ug/L	94
68) 1,2,4-trichlorobenzene	13.87	180	7144	0.323	ug/L	98
69) Naphthalene	14.11	128	12890	0.424	ug/L	98
70) 1,2,3-Trichlorobenzene	14.36	180	8177	0.395	ug/L	97

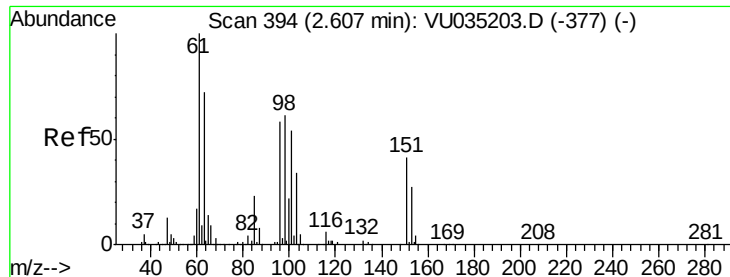
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.071 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.01 min

Lab File: VU035206.D

Acq: 17 Oct 2019 11:49

Instrument :

MSVOA_U

ClientSampleId :

VIBLK20

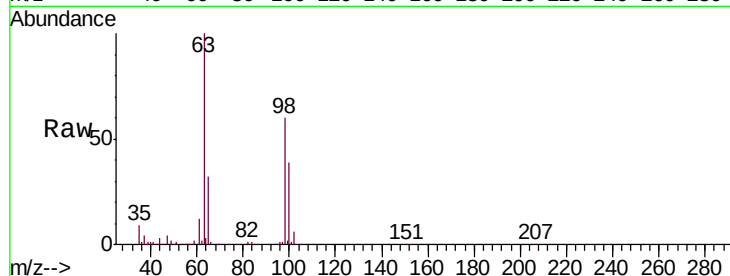
Tgt Ion: 96 Resp: 1901

Ion Ratio Lower Upper

96 100

61 906.6 120.6 224.0#

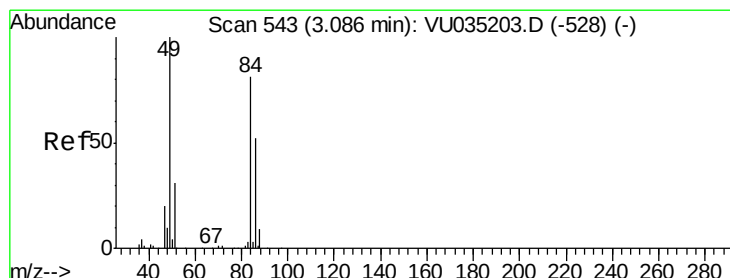
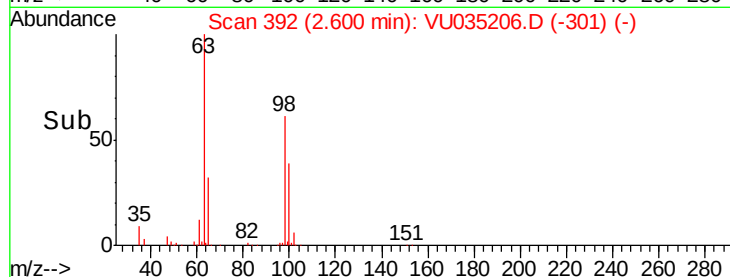
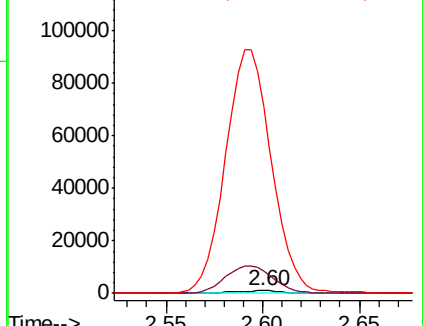
63 7648.3 86.8 161.2#



Abundance Ion 96.00 (95.70 to 96.70): VU035206.D (-301) (-)

Ion 61.05 (60.75 to 61.75): VU035206.D (-301) (-)

Ion 63.00 (62.70 to 63.70): VU035206.D (-301) (-)



#16

Methylene chloride

Concen: 0.131 ug/L

RT: 3.08 min Scan# 542

Delta R.T. -0.00 min

Lab File: VU035206.D

Acq: 17 Oct 2019 11:49

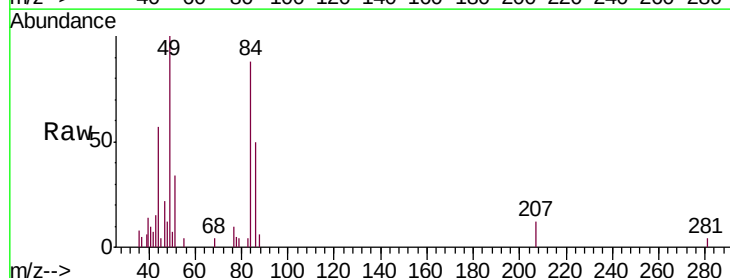
Tgt Ion: 84 Resp: 4231

Ion Ratio Lower Upper

84 100

86 56.5 45.4 84.2

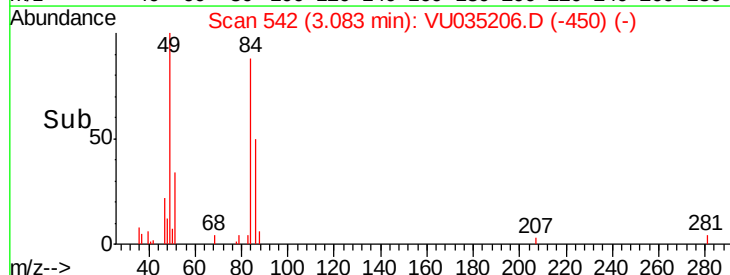
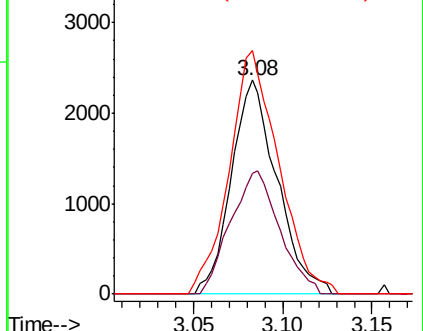
49 113.8 86.8 161.2

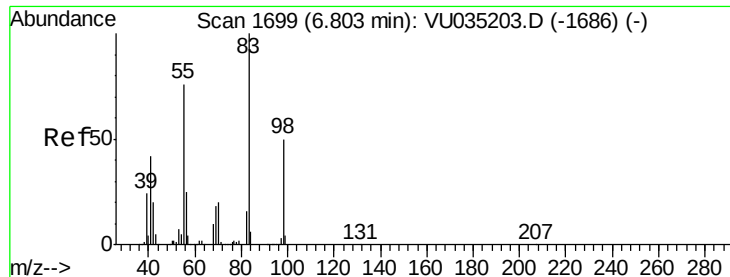


Abundance Ion 84.05 (83.75 to 84.75): VU035206.D (-450) (-)

Ion 86.00 (85.70 to 86.70): VU035206.D (-450) (-)

Ion 49.10 (48.80 to 49.80): VU035206.D (-450) (-)

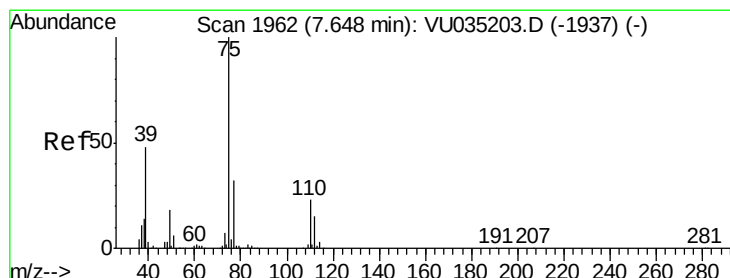
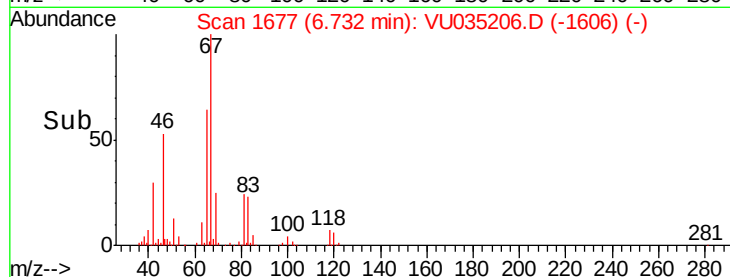
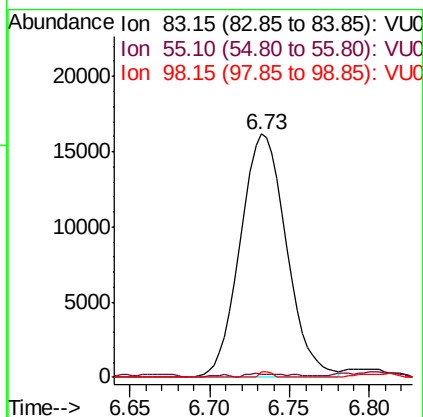
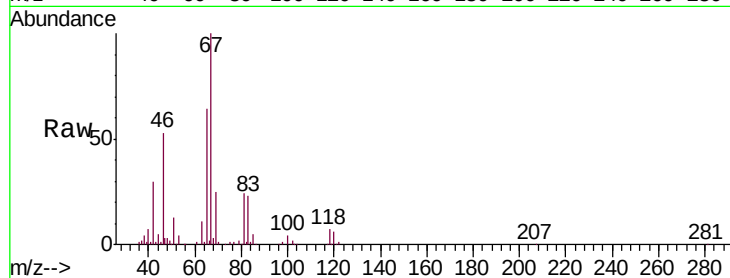




#35
Methylcyclohexane
Concen: 0.617 ug/L
RT: 6.73 min Scan# 1677
Delta R.T. -0.07 min
Lab File: VU035206.D
Acq: 17 Oct 2019 11:49

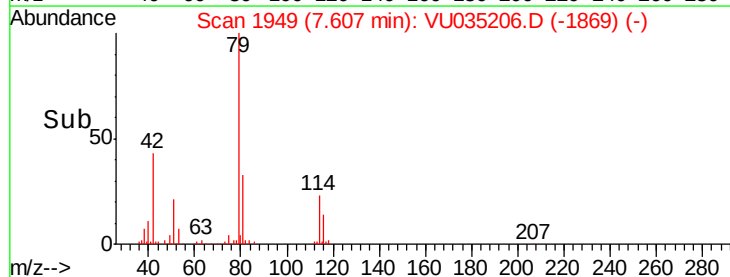
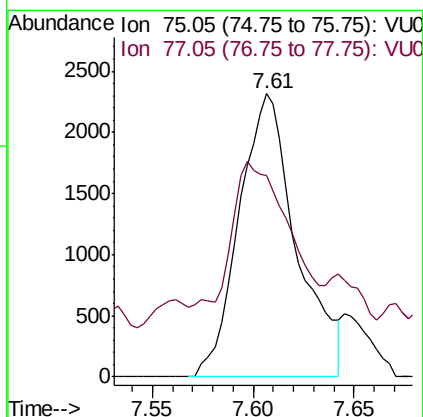
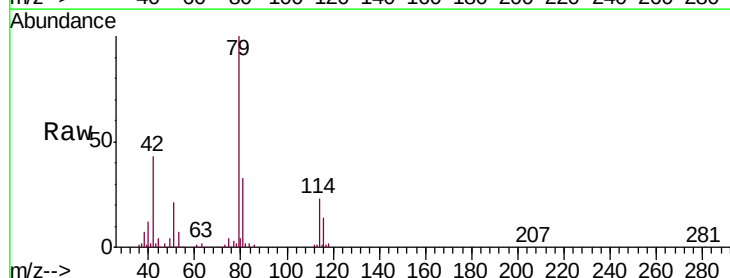
Instrument :
MSVOA_U
ClientSampleId :
VIBLK20

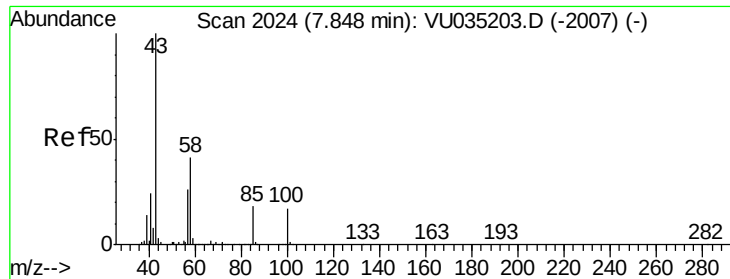
Tgt Ion: 83 Resp: 32003
Ion Ratio Lower Upper
83 100
55 1.0 60.4 90.6#
98 0.6 39.5 59.3#



#39
cis-1,3-Dichloropropene
Concen: 0.094 ug/L
RT: 7.61 min Scan# 1949
Delta R.T. -0.04 min
Lab File: VU035206.D
Acq: 17 Oct 2019 11:49

Tgt Ion: 75 Resp: 4596
Ion Ratio Lower Upper
75 100
77 71.3 22.7 42.1#

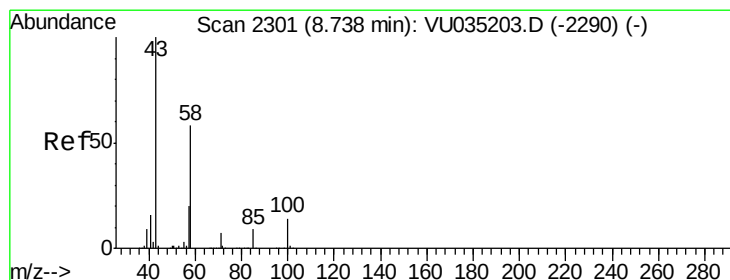
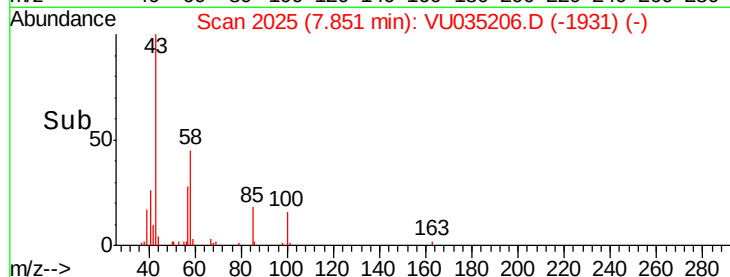
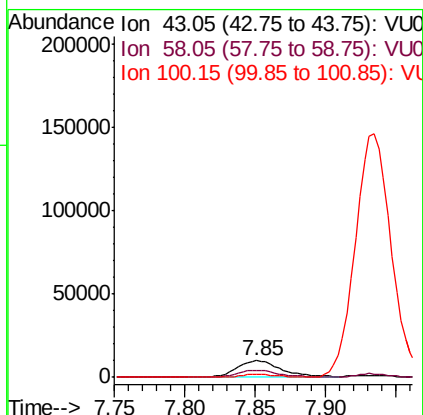
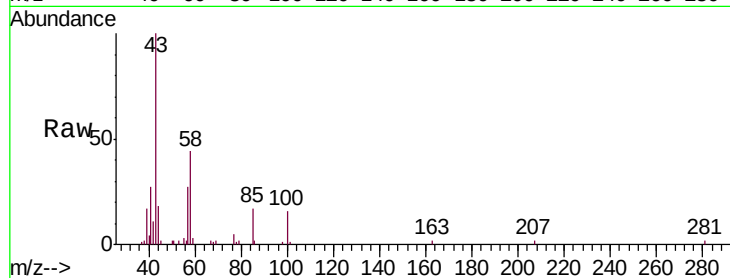




#40
 4-Methyl-2-pentanone
 Concen: 1.084 ug/L
 RT: 7.85 min Scan# 2025
 Delta R.T. 0.00 min
 Lab File: VU035206.D
 Acq: 17 Oct 2019 11:49

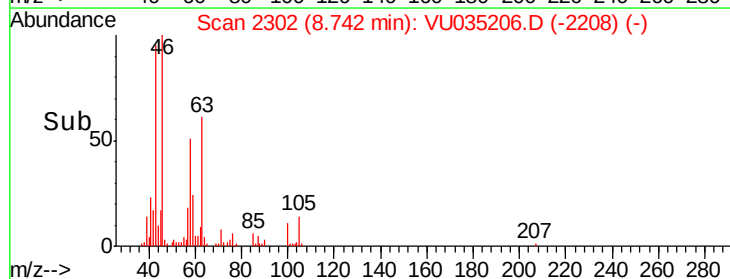
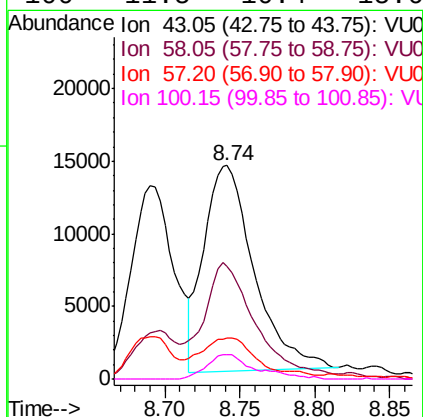
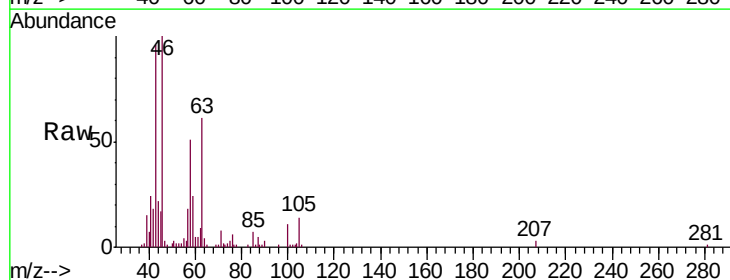
Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK20

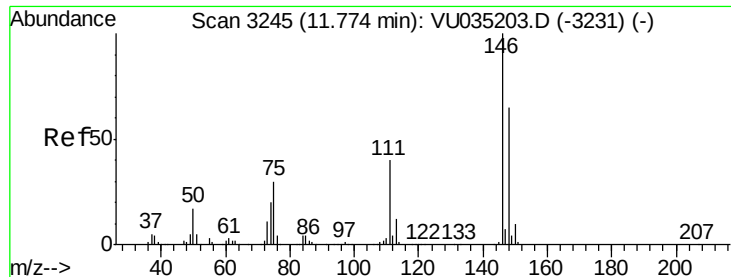
Tgt Ion: 43 Resp: 21440
 Ion Ratio Lower Upper
 43 100
 58 41.7 32.3 48.5
 100 0.0 13.4 20.2#



#48
 2-Hexanone
 Concen: 2.391 ug/L
 RT: 8.74 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VU035206.D
 Acq: 17 Oct 2019 11:49

Tgt Ion: 43 Resp: 33172
 Ion Ratio Lower Upper
 43 100
 58 57.3 45.1 67.7
 57 21.7 16.0 24.0
 100 11.5 10.4 15.6





#62

1,3-Dichlorobenzene

Concen: 0.119 ug/L

RT: 11.77 min Scan# 3245

Delta R.T. -0.00 min

Lab File: VU035206.D

Acq: 17 Oct 2019 11:49

Instrument :

MSVOA_U

ClientSampleId :

VIBLK20

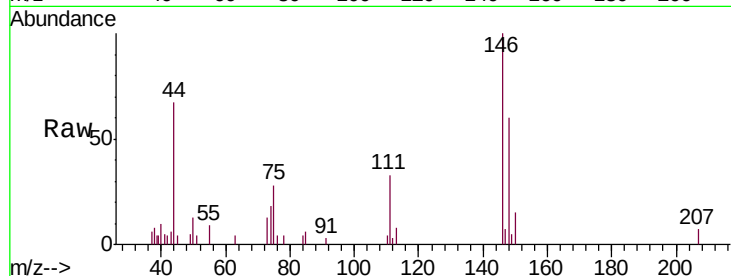
Tgt Ion:146 Resp: 6401

Ion Ratio Lower Upper

146 100

111 33.1 27.8 51.6

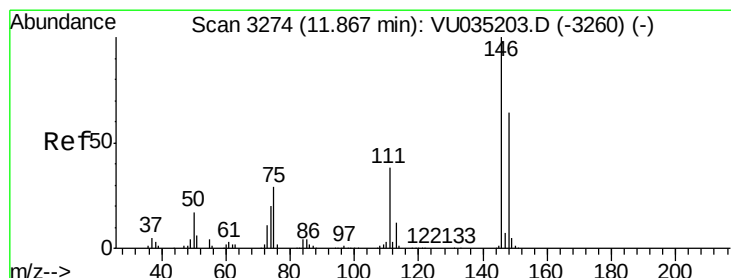
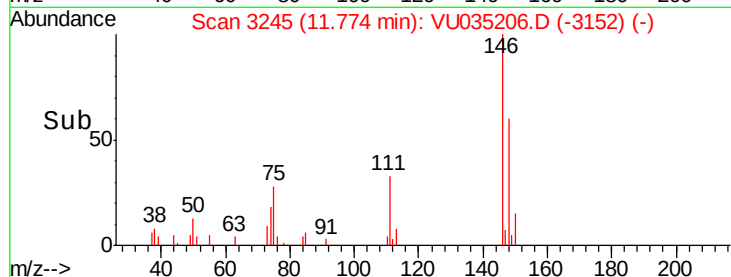
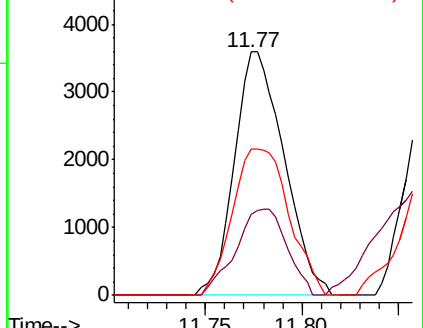
148 64.8 45.6 84.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.137 ug/L

RT: 11.87 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VU035206.D

Acq: 17 Oct 2019 11:49

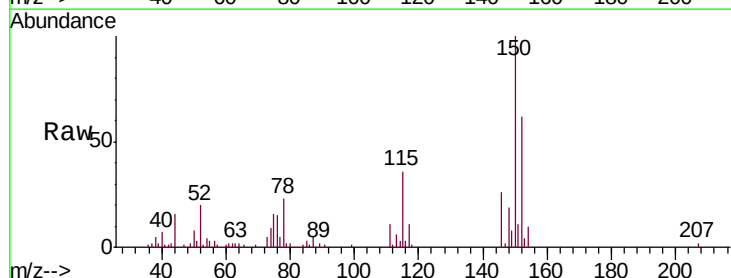
Tgt Ion:146 Resp: 7249

Ion Ratio Lower Upper

146 100

111 41.6 26.4 49.0

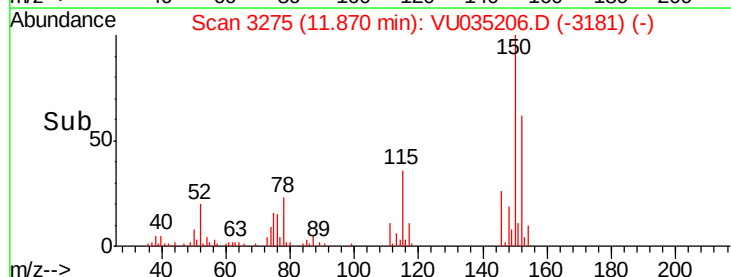
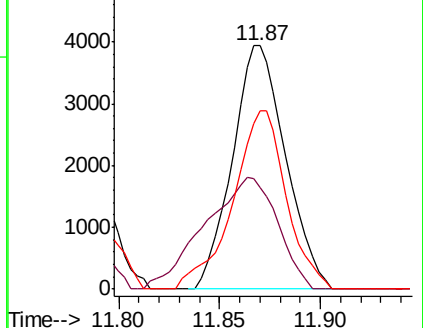
148 73.3 44.7 83.1

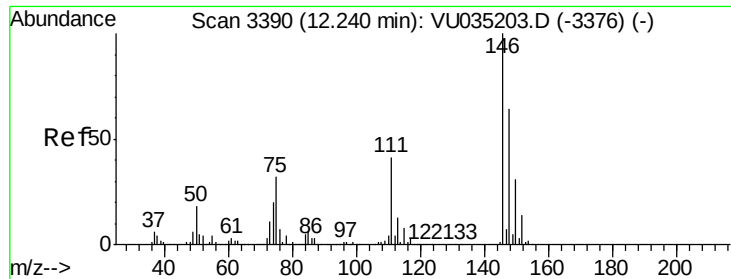


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.135 ug/L

RT: 12.25 min Scan# 3392

Delta R.T. 0.01 min

Lab File: VU035206.D

Acq: 17 Oct 2019 11:49

Instrument :

MSVOA_U

ClientSampled :

VIBLK20

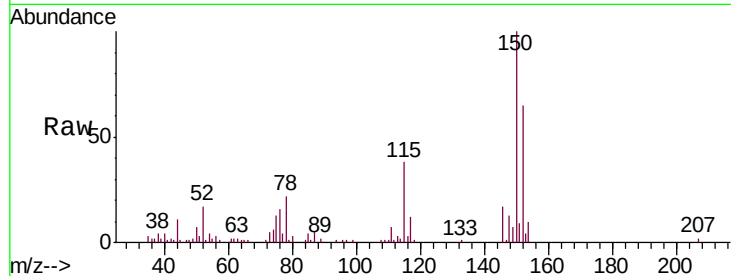
Tgt Ion: 146 Resp: 6782

Ion Ratio Lower Upper

146 100

111 43.4 33.0 49.6

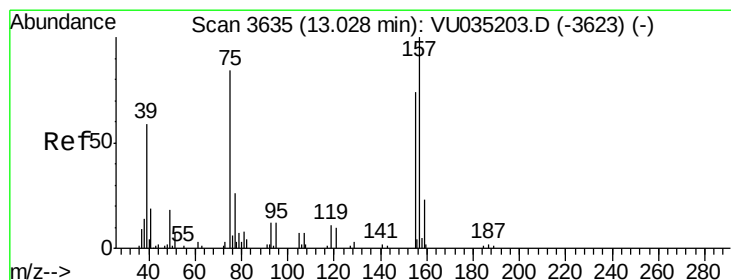
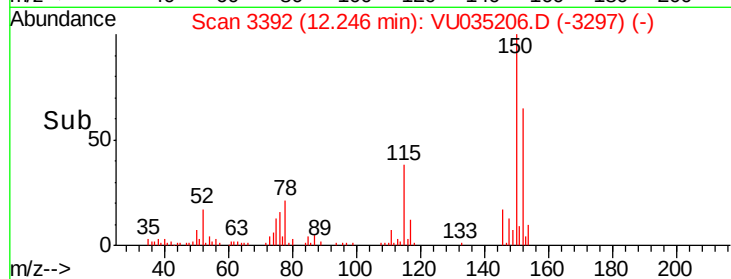
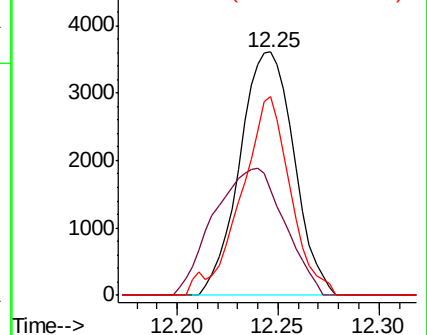
148 81.7 51.0 76.4#



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 0.190 ug/L

RT: 13.03 min Scan# 3635

Delta R.T. -0.00 min

Lab File: VU035206.D

Acq: 17 Oct 2019 11:49

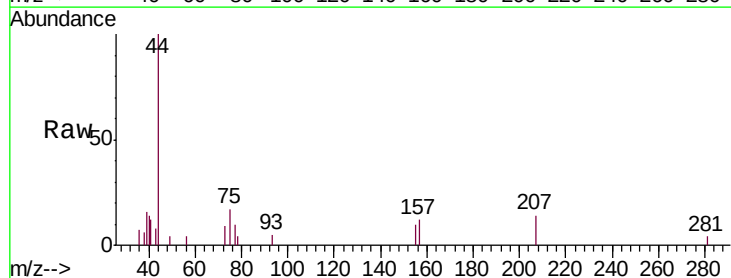
Tgt Ion: 75 Resp: 676

Ion Ratio Lower Upper

75 100

155 57.6 70.0 105.0#

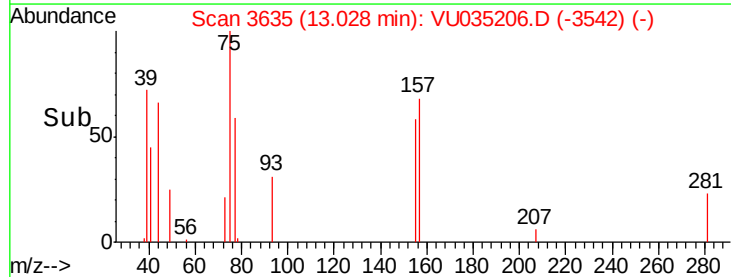
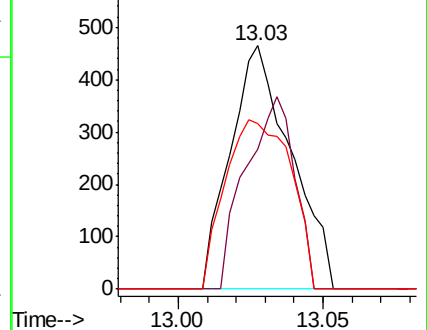
157 68.0 94.7 142.1#

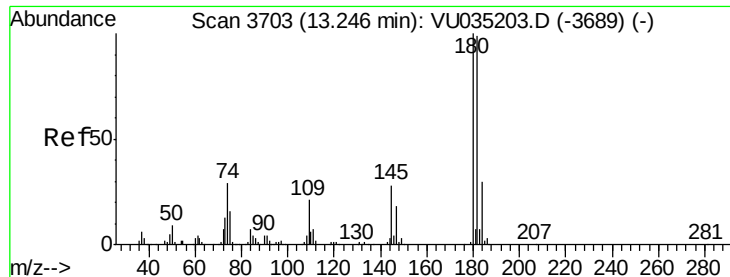


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

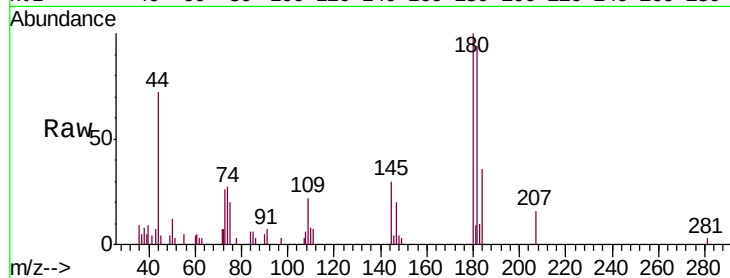




#67
 1,3,5-Trichlorobenzene
 Concen: 0.185 ug/L
 RT: 13.25 min Scan# 3704
 Delta R.T. 0.00 min
 Lab File: VU035206.D
 Acq: 17 Oct 2019 11:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK20

Tgt Ion:	180	Resp:	6153
Ion	Ratio	Lower	Upper
180	100		
182	89.9	77.4	116.2
184	33.7	23.9	35.9
145	27.2	22.4	33.6



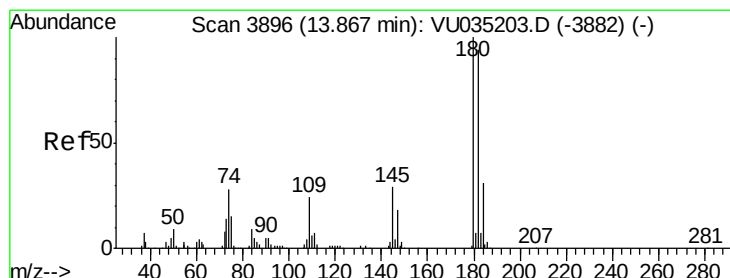
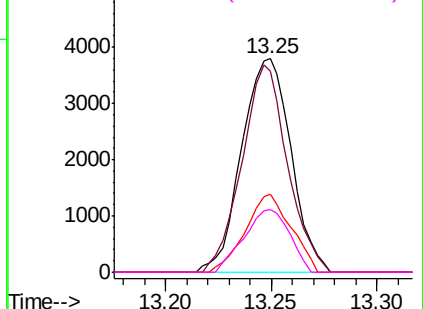
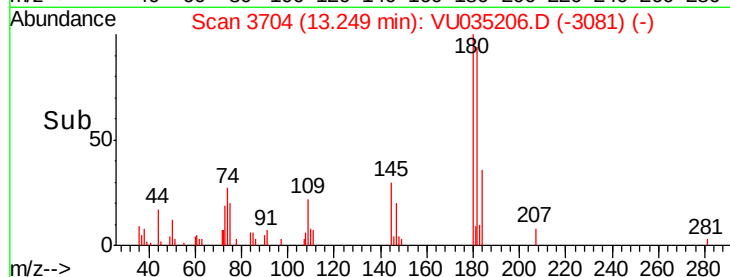
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

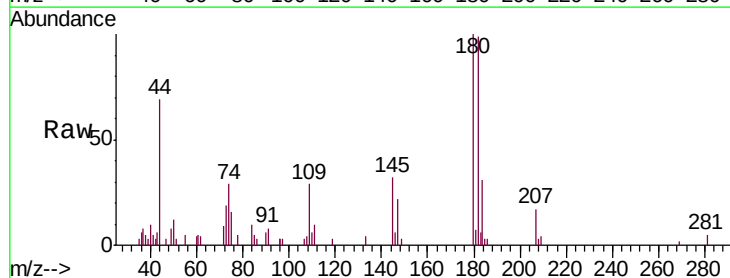
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 0.323 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. 0.00 min
 Lab File: VU035206.D
 Acq: 17 Oct 2019 11:49

Tgt Ion:	180	Resp:	7144
Ion	Ratio	Lower	Upper
180	100		
182	92.0	75.9	113.9
145	29.6	23.4	35.2

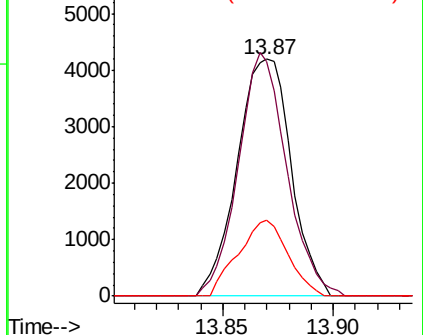
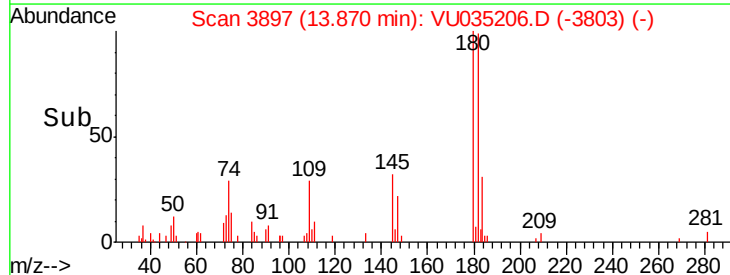


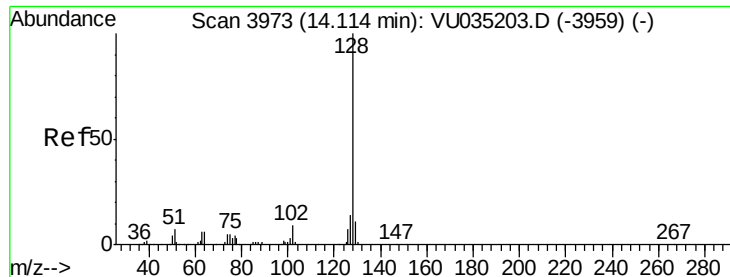
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.424 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU035206.D

Acq: 17 Oct 2019 11:49

Instrument :

MSVOA_U

ClientSampleId :

VIBLK20

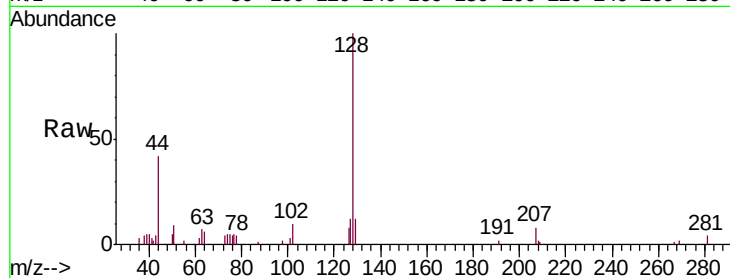
Tgt Ion:128 Resp: 12890

Ion Ratio Lower Upper

128 100

129 11.4 8.6 13.0

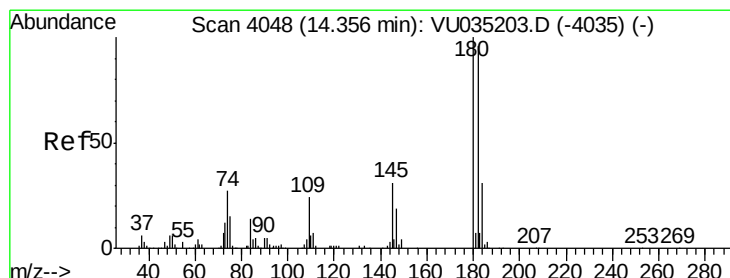
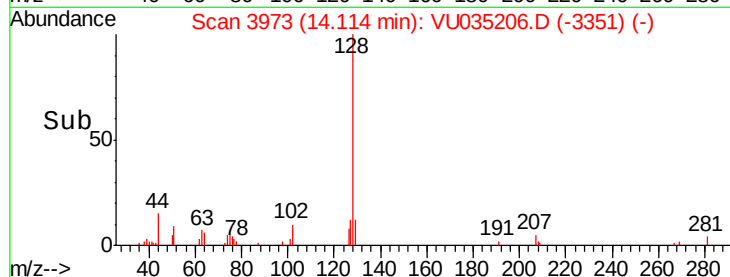
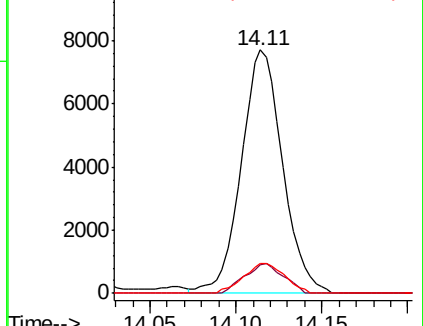
127 12.2 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.395 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. 0.00 min

Lab File: VU035206.D

Acq: 17 Oct 2019 11:49

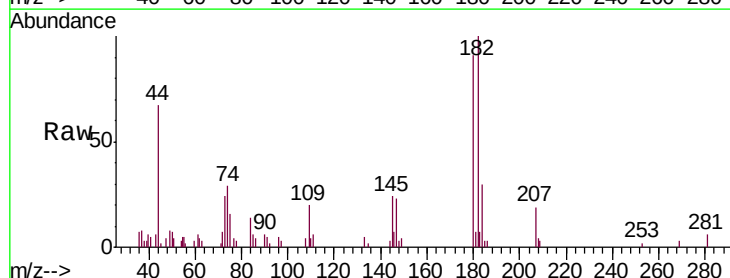
Tgt Ion:180 Resp: 8177

Ion Ratio Lower Upper

180 100

182 99.3 76.0 114.0

145 30.5 24.6 37.0



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

