

Data File : VU035410.D
Acq On : 23 Oct 2019 15:26
Operator : JC/SP
Sample : VU1023WBL02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VBLK03

Quant Time: Oct 24 05:23:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 24 05:20:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	253758	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	258591	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	88454	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	84731	5.48	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	109.60%
7) Chloroethane-d5	1.93	69	82136	5.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	116.20%
11) 1,1-Dichloroethene-d2	2.59	63	113868	3.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.60%
20) 2-Butanone-d5	4.70	46	247116	55.58	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.16%
24) Chloroform-d	5.11	84	153142	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.40%
26) 1,2-Dichloroethane-d4	5.75	65	86600	5.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.60%
32) Benzene-d6	5.77	84	296609	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
36) 1,2-Dichloropropane-d6	6.73	67	98905	5.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.40%
41) Toluene-d8	7.93	98	247141	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.40%
43) trans-1,3-Dichloropropene-	8.21	79	38141	4.19	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.80%
46) 2-Hexanone-d5	8.68	63	183447	45.65	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.30%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	88580	5.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	80066	4.97	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.40%

Target Compounds

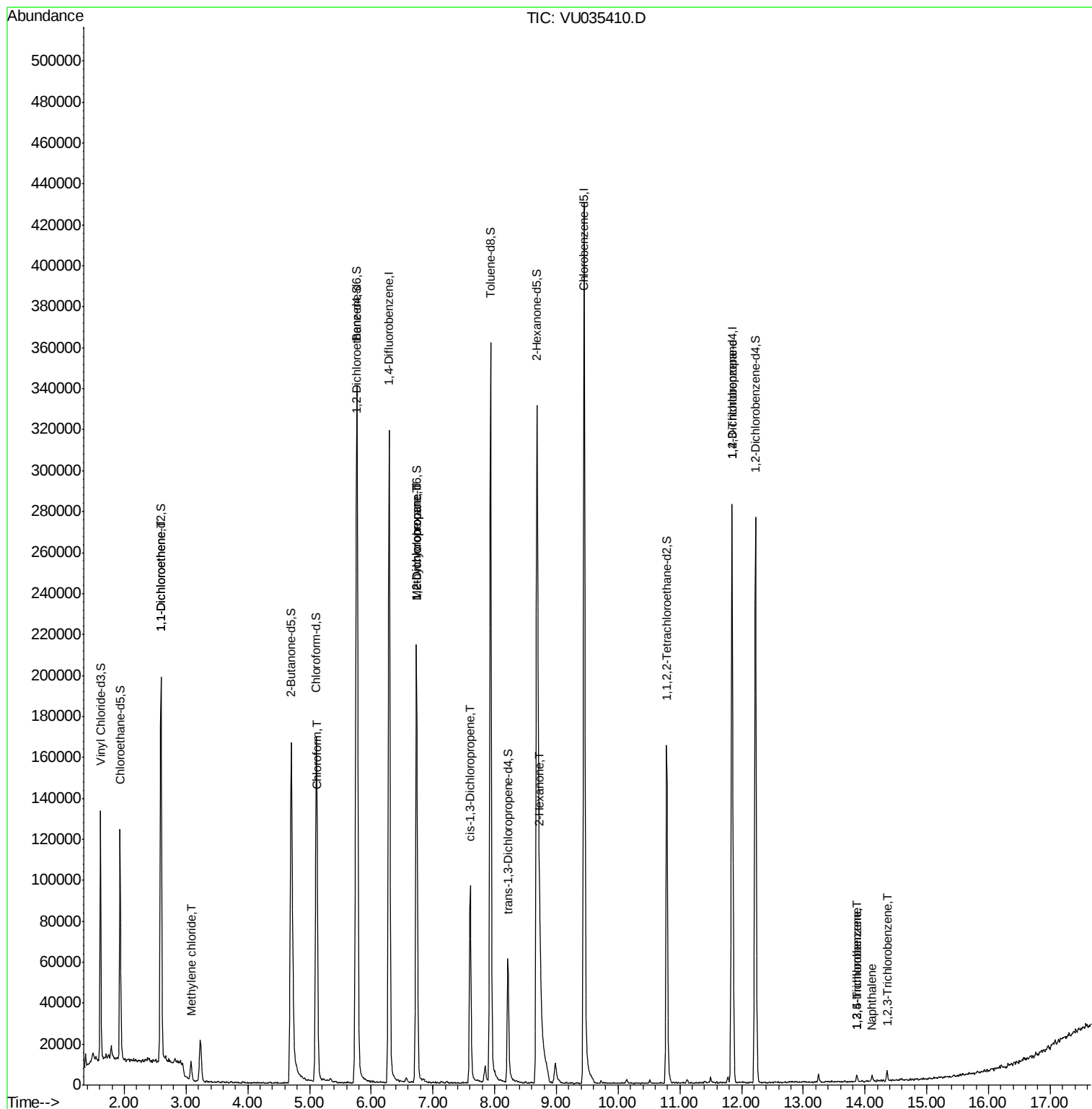
					Qvalue	
12) 1,1-Dichloroethene	2.60	96	1121	0.069	ug/L #	1
16) Methylene chloride	3.08	84	4171	0.213	ug/L	81
25) Chloroform	5.13	83	6156	0.176	ug/L	99
35) Methylcyclohexane	6.73	83	23979	0.701	ug/L #	19
37) 1,2-Dichloropropane	6.74	63	11665	0.604	ug/L #	86
39) cis-1,3-Dichloropropene	7.60	75	2636	0.082	ug/L #	73
48) 2-Hexanone	8.73	43	16174	1.769	ug/L #	81
59) 1,2,3-Trichloropropane	11.84	75	11524	0.856	ug/L	97
67) 1,3,5-Trichlorobenzene	13.87	180	1542	0.082	ug/L	93
68) 1,2,4-trichlorobenzene	13.87	180	1542	0.124	ug/L	93
69) Naphthalene	14.11	128	2868	0.168	ug/L #	86
70) 1,2,3-Trichlorobenzene	14.36	180	1777	0.153	ug/L	91

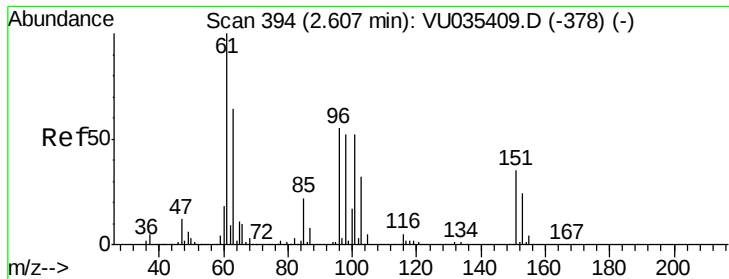
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.069 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU035410.D

Acq: 23 Oct 2019 15:26

Instrument :

MSVOA_U

ClientSampleId :

VBLK03

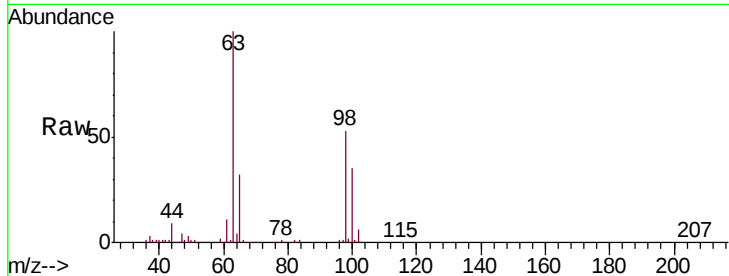
Tgt Ion: 96 Resp: 1121

Ion Ratio Lower Upper

96 100

61 1532.2 120.6 224.0#

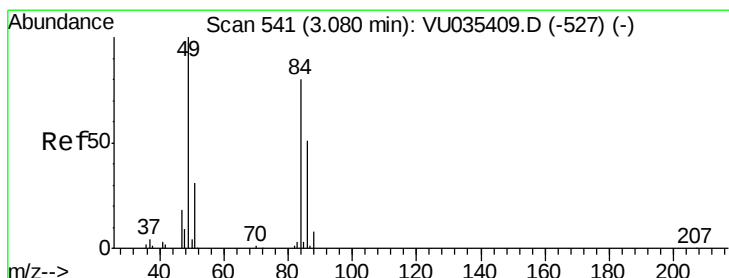
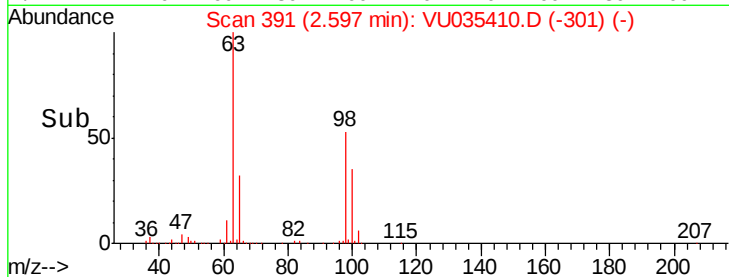
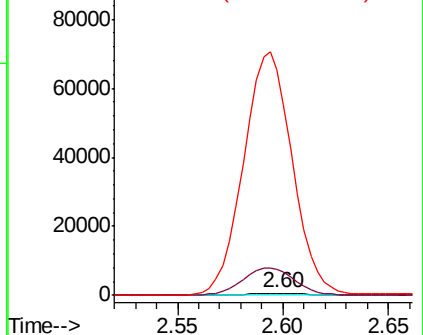
63 13362.1 86.8 161.2#



Abundance Ion 96.00 (95.70 to 96.70): VU035410.D (-391) (-)

Ion 61.05 (60.75 to 61.75): VU035410.D (-391) (-)

Ion 63.00 (62.70 to 63.70): VU035410.D (-391) (-)



#16

Methylene chloride

Concen: 0.213 ug/L

RT: 3.08 min Scan# 542

Delta R.T. 0.00 min

Lab File: VU035410.D

Acq: 23 Oct 2019 15:26

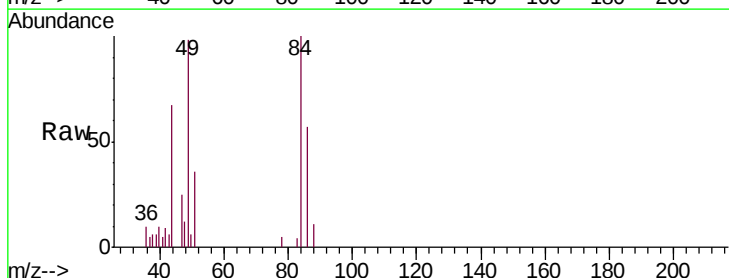
Tgt Ion: 84 Resp: 4171

Ion Ratio Lower Upper

84 100

86 56.6 45.4 84.2

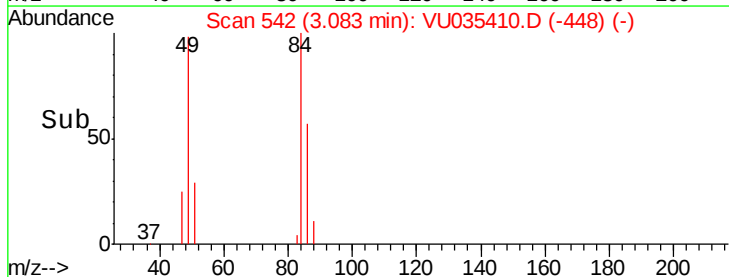
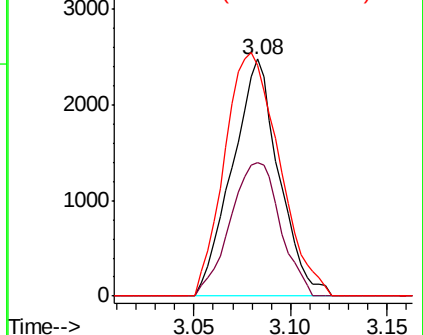
49 97.5 86.8 161.2

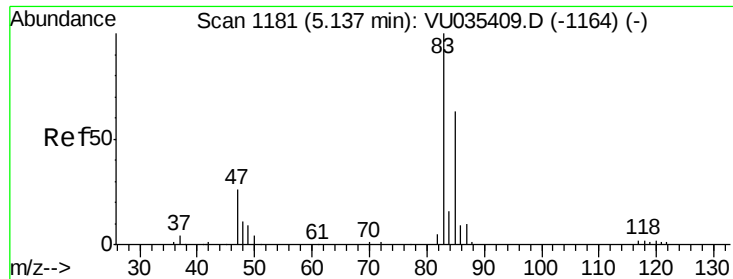


Abundance Ion 84.05 (83.75 to 84.75): VU035410.D (-542) (-)

Ion 86.00 (85.70 to 86.70): VU035410.D (-542) (-)

Ion 49.10 (48.80 to 49.80): VU035410.D (-542) (-)

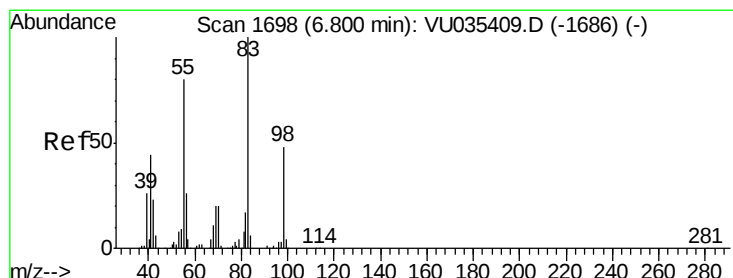
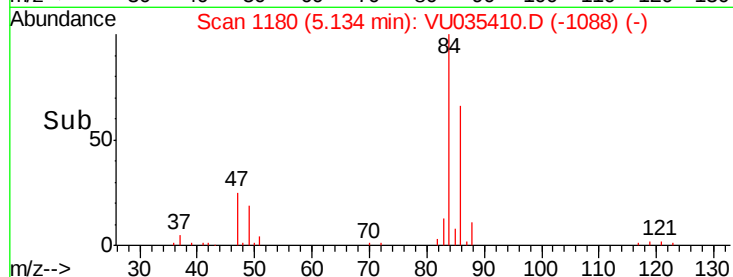
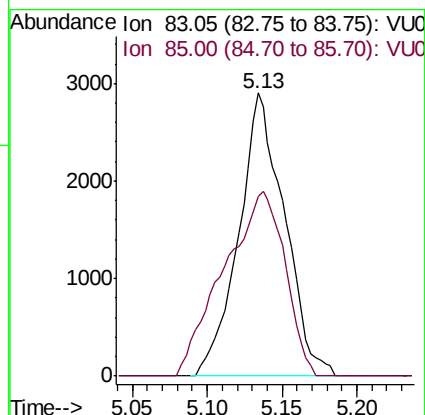
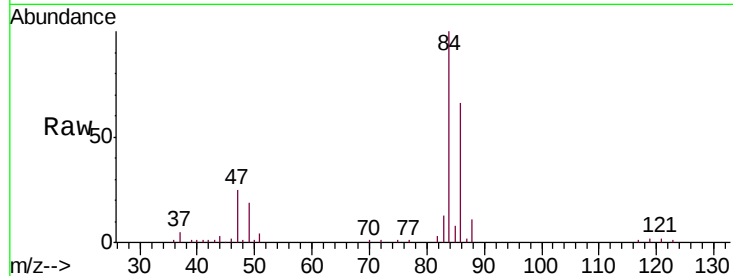




#25
Chloroform
Concen: 0.176 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VU035410.D
Acq: 23 Oct 2019 15:26

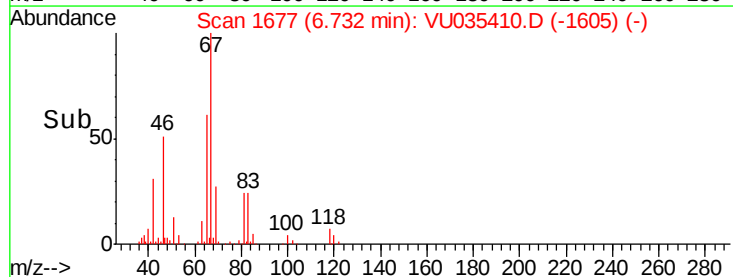
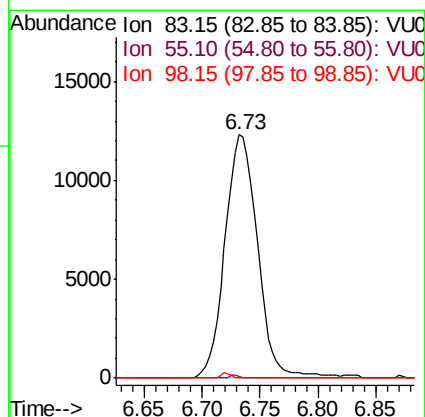
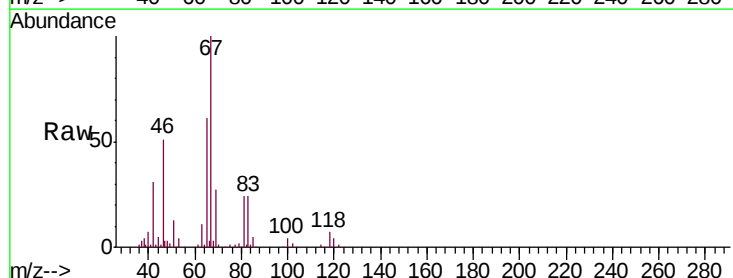
Instrument :
MSVOA_U
ClientSampleId :
VBLK03

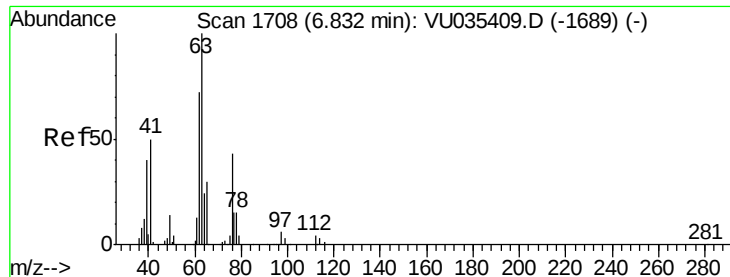
Tgt Ion: 83 Resp: 6156
Ion Ratio Lower Upper
83 100
85 63.4 45.1 83.9



#35
Methylcyclohexane
Concen: 0.701 ug/L
RT: 6.73 min Scan# 1677
Delta R.T. -0.07 min
Lab File: VU035410.D
Acq: 23 Oct 2019 15:26

Tgt Ion: 83 Resp: 23979
Ion Ratio Lower Upper
83 100
55 0.3 60.4 90.6#
98 0.6 39.5 59.3#





#37

1,2-Dichloropropane

Concen: 0.604 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.10 min

Lab File: VU035410.D

Acq: 23 Oct 2019 15:26

Instrument :

MSVOA_U

ClientSampleId :

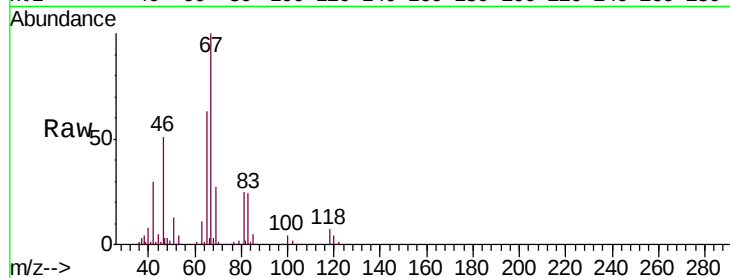
VBLK03

Tgt Ion: 63 Resp: 11665

Ion Ratio Lower Upper

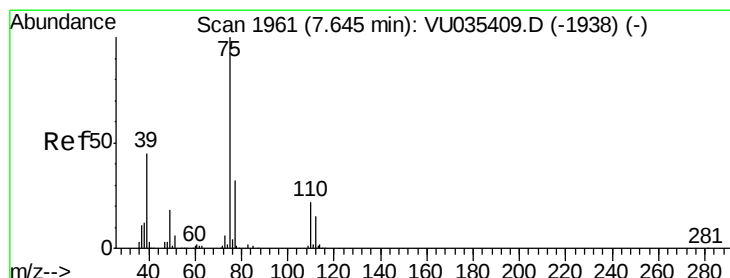
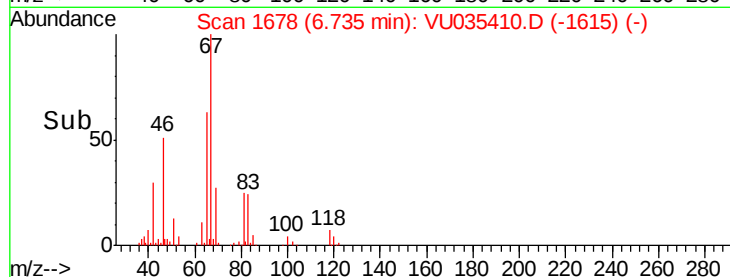
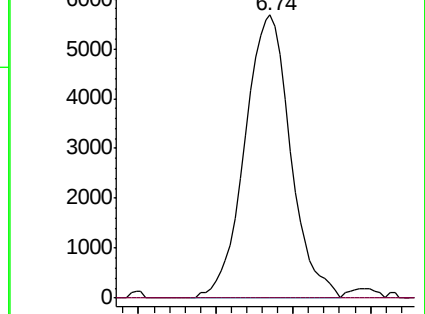
63 100

112 0.0 3.7 5.5#



Abundance Ion 63.10 (62.80 to 63.80): VU035410.D (-1678) (-)

Ion 112.10 (111.80 to 112.80): VU035410.D (-1678) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.082 ug/L

RT: 7.60 min Scan# 1947

Delta R.T. -0.05 min

Lab File: VU035410.D

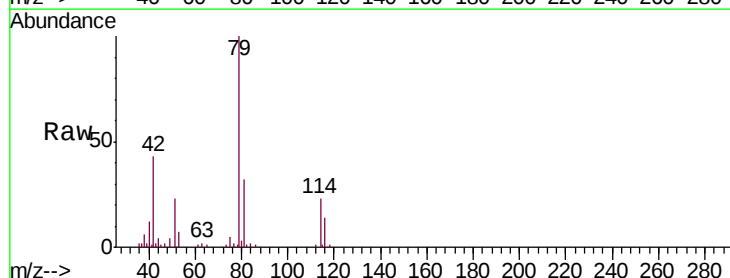
Acq: 23 Oct 2019 15:26

Tgt Ion: 75 Resp: 2636

Ion Ratio Lower Upper

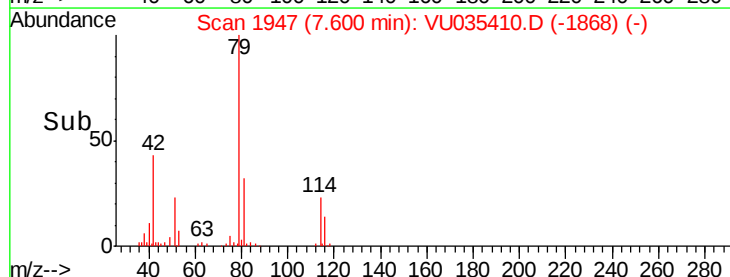
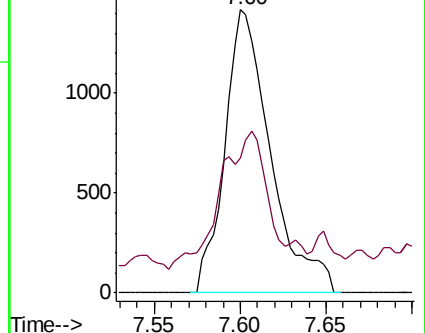
75 100

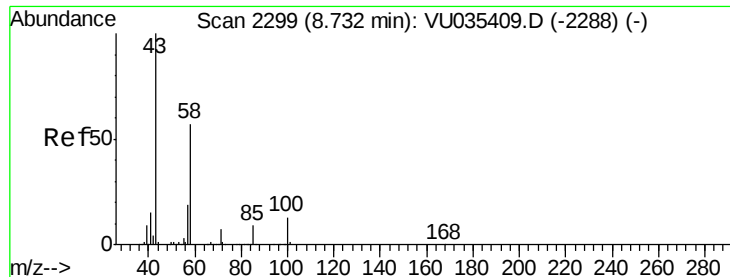
77 47.5 22.7 42.1#



Abundance Ion 75.05 (74.75 to 75.75): VU035410.D (-1868) (-)

Ion 77.05 (76.75 to 77.75): VU035410.D (-1868) (-)

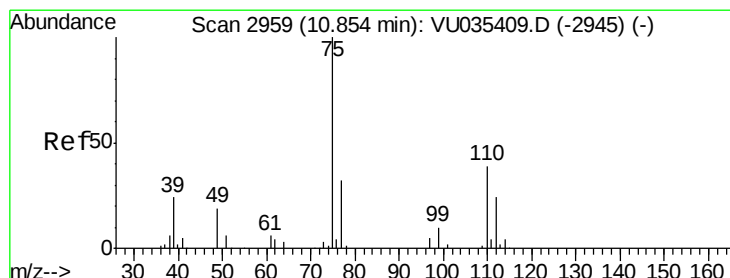
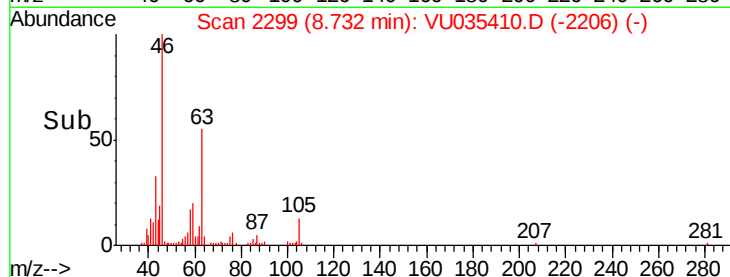
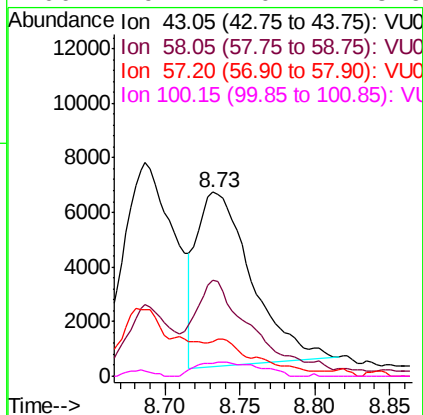
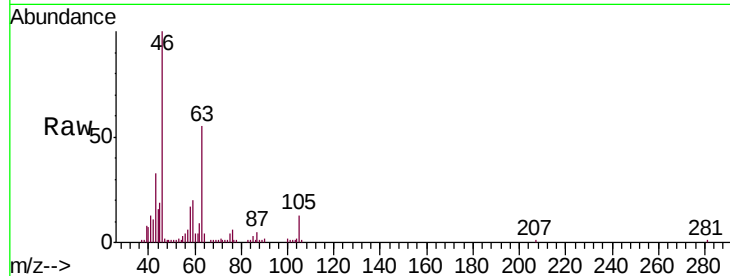




#48
 2-Hexanone
 Concen: 1.769 ug/L
 RT: 8.73 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VU035410.D
 Acq: 23 Oct 2019 15:26

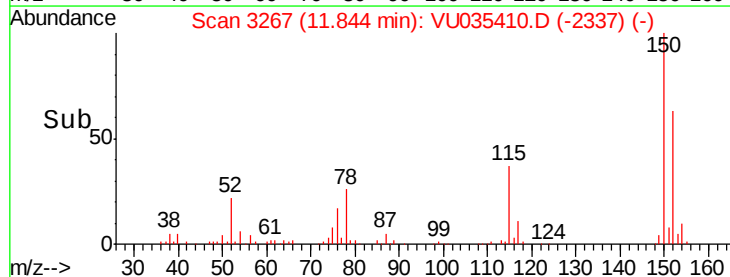
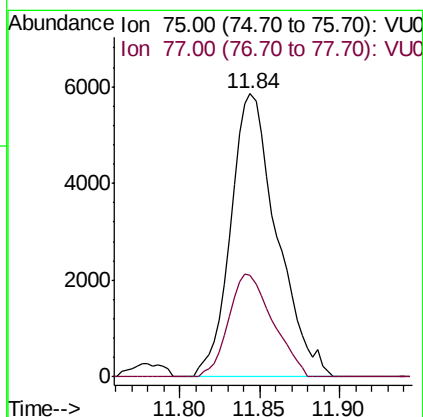
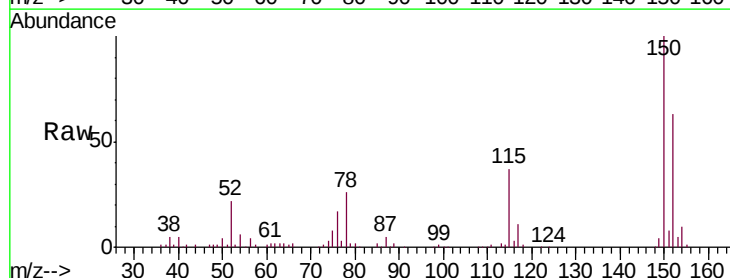
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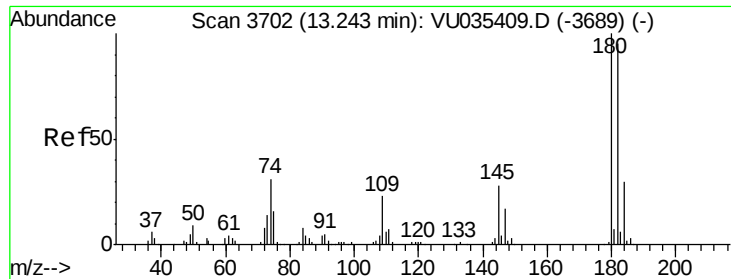
Tgt Ion: 43 Resp: 16174
 Ion Ratio Lower Upper
 43 100
 58 47.1 45.1 67.7
 57 0.0 16.0 24.0#
 100 9.4 10.4 15.6#



#59
 1,2,3-Trichloropropane
 Concen: 0.856 ug/L
 RT: 11.84 min Scan# 3267
 Delta R.T. 0.99 min
 Lab File: VU035410.D
 Acq: 23 Oct 2019 15:26

Tgt Ion: 75 Resp: 11524
 Ion Ratio Lower Upper
 75 100
 77 34.6 26.2 39.2

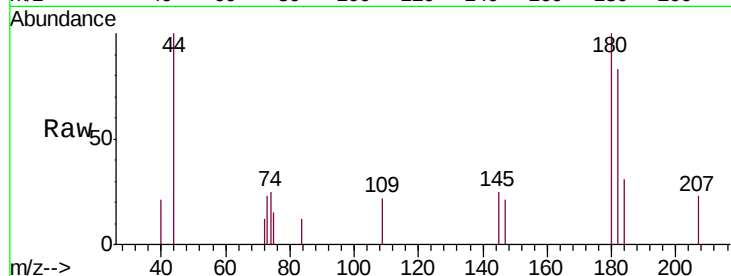




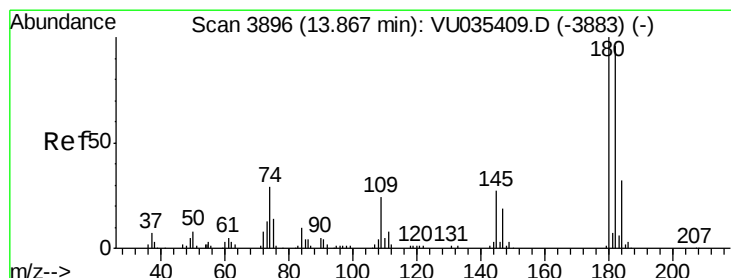
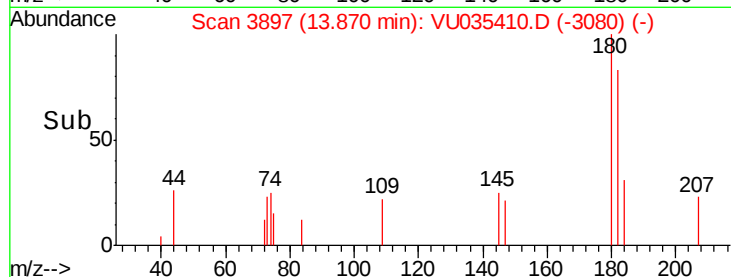
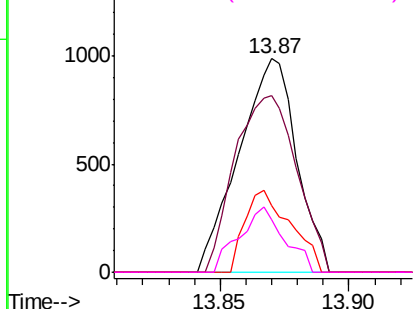
#67
 1,3,5-Trichlorobenzene
 Concen: 0.082 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. 0.63 min
 Lab File: VU035410.D
 Acq: 23 Oct 2019 15:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK03

Tgt Ion:180 Resp: 1542
 Ion Ratio Lower Upper
 180 100
 182 88.9 77.4 116.2
 184 30.4 23.9 35.9
 145 23.9 22.4 33.6

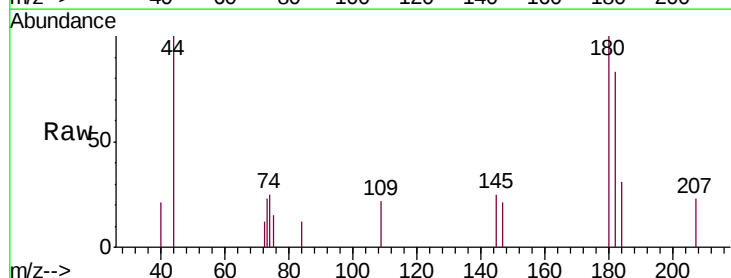


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

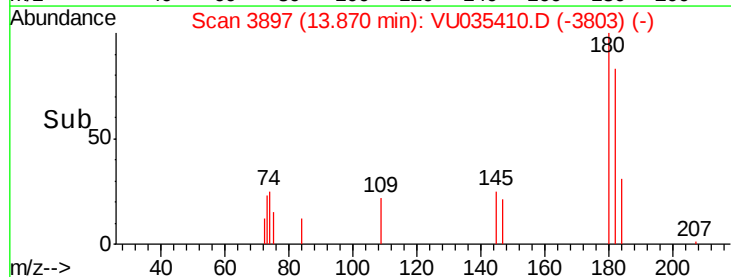
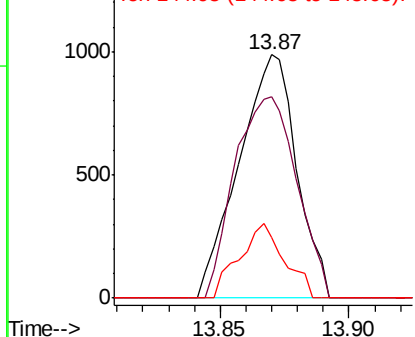


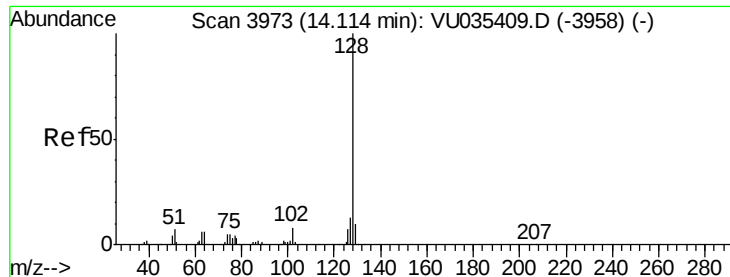
#68
 1,2,4-trichlorobenzene
 Concen: 0.124 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. 0.00 min
 Lab File: VU035410.D
 Acq: 23 Oct 2019 15:26

Tgt Ion:180 Resp: 1542
 Ion Ratio Lower Upper
 180 100
 182 88.9 75.9 113.9
 145 23.9 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: 0.168 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU035410.D

Acq: 23 Oct 2019 15:26

Instrument :

MSVOA_U

ClientSampleId :

VBLK03

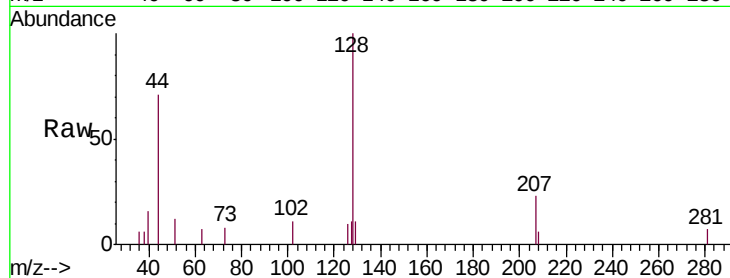
Tgt Ion:128 Resp: 2868

Ion Ratio Lower Upper

128 100

129 6.4 8.6 13.0#

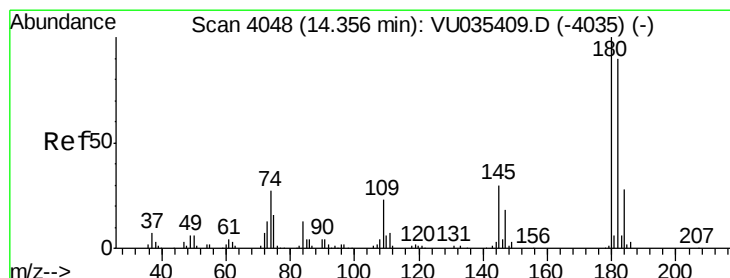
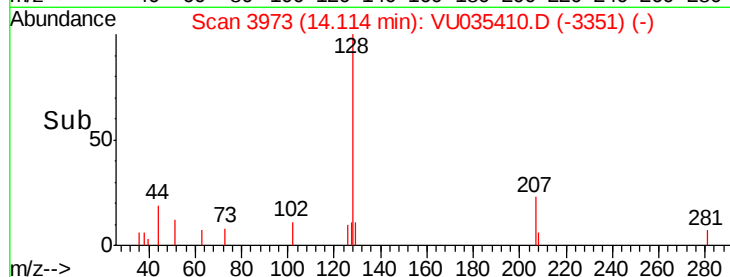
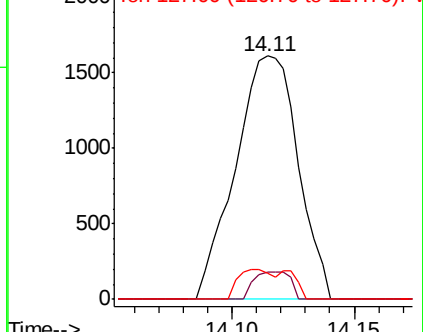
127 6.9 10.7 16.1#



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: 0.153 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. 0.00 min

Lab File: VU035410.D

Acq: 23 Oct 2019 15:26

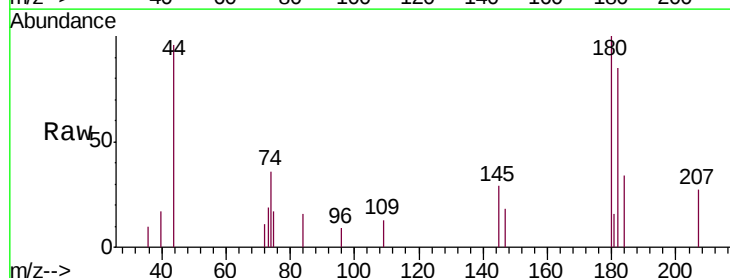
Tgt Ion:180 Resp: 1777

Ion Ratio Lower Upper

180 100

182 105.4 76.0 114.0

145 28.5 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

