

Data File : VU035454.D
Acq On : 24 Oct 2019 12:22
Operator : JC/SP
Sample : VU1024WBL01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VBLK05

Quant Time: Oct 25 07:07:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 25 07:04:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	214663	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	219519	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	65401	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	72405	5.53	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	110.60%
7) Chloroethane-d5	1.93	69	70650	5.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	118.00%
11) 1,1-Dichloroethene-d2	2.59	63	95433	3.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.80%
20) 2-Butanone-d5	4.70	46	204494	54.37	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.74%
24) Chloroform-d	5.11	84	133342	5.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.60%
26) 1,2-Dichloroethane-d4	5.75	65	75218	5.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.60%
32) Benzene-d6	5.77	84	249427	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
36) 1,2-Dichloropropane-d6	6.73	67	89454	5.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.20%
41) Toluene-d8	7.93	98	204610	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.20%
43) trans-1,3-Dichloropropene-	8.22	79	32297	4.18	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.60%
46) 2-Hexanone-d5	8.70	63	133683	39.19	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	78.38%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	73733	5.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	58901	4.94	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.80%

Target Compounds

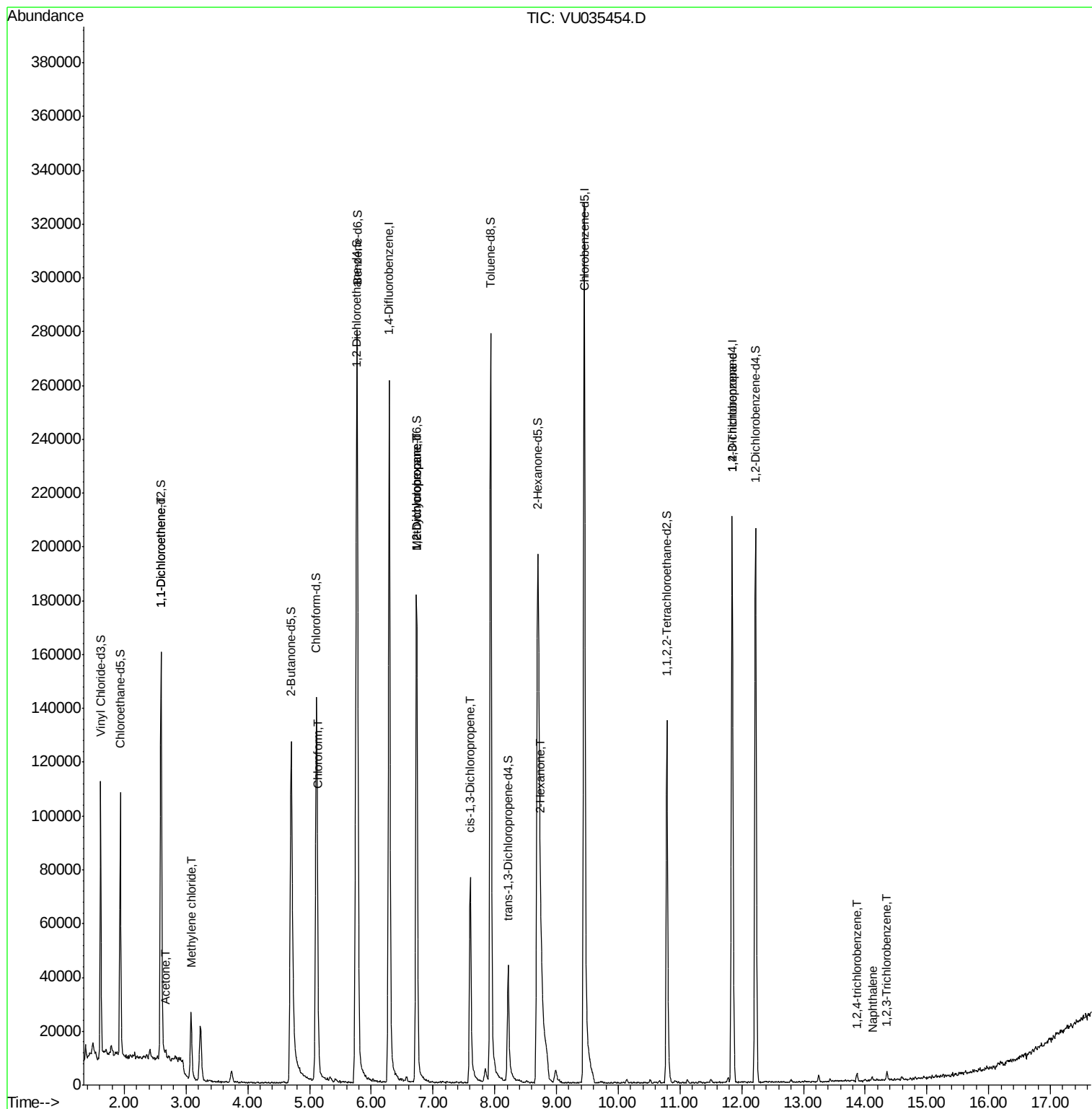
					Qvalue	
12) 1,1-Dichloroethene	2.59	96	981	0.071	ug/L #	1
13) Acetone	2.67	43	2327	0.889	ug/L	91
16) Methylene chloride	3.08	84	11884	0.716	ug/L	95
25) Chloroform	5.14	83	8676	0.294	ug/L	100
35) Methylcyclohexane	6.73	83	20484	0.706	ug/L #	18
37) 1,2-Dichloropropane	6.73	63	9363	0.571	ug/L #	86
39) cis-1,3-Dichloropropene	7.60	75	2242	0.082	ug/L #	36
48) 2-Hexanone	8.74	43	12680	1.633	ug/L #	80
59) 1,2,3-Trichloropropane	11.84	75	8557	0.749	ug/L	91
68) 1,2,4-trichlorobenzene	13.86	180	1058	0.115	ug/L	98
69) Naphthalene	14.11	128	1611	0.127	ug/L #	86
70) 1,2,3-Trichlorobenzene	14.35	180	1195	0.139	ug/L #	94

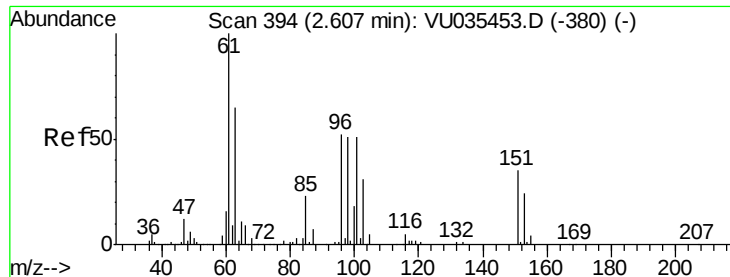
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.071 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.02 min

Lab File: VU035454.D

Acq: 24 Oct 2019 12:22

Instrument :

MSVOA_U

ClientSampleId :

VBLK05

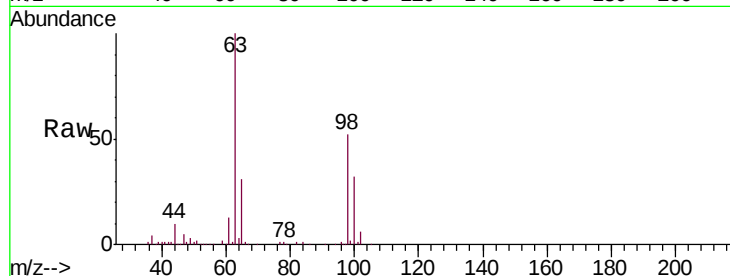
Tgt Ion: 96 Resp: 981

Ion Ratio Lower Upper

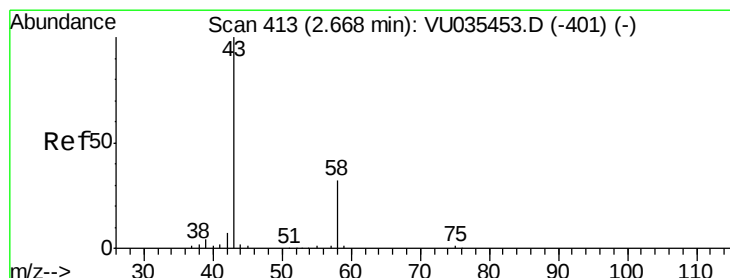
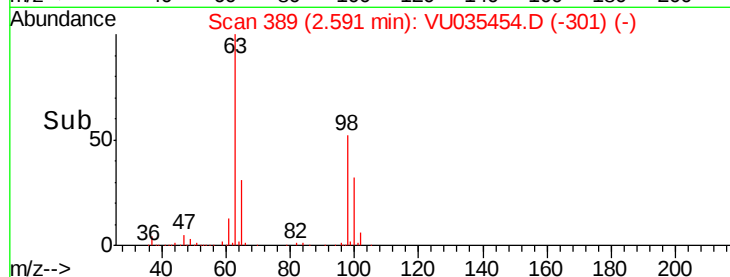
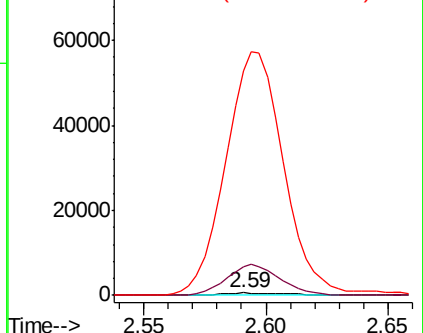
96 100

61 1135.1 120.6 224.0#

63 8773.4 86.8 161.2#



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



#13

Acetone

Concen: 0.889 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.01 min

Lab File: VU035454.D

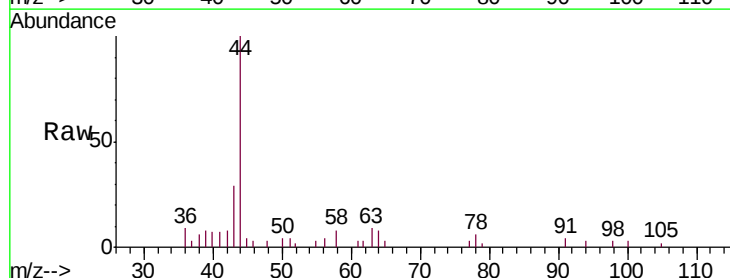
Acq: 24 Oct 2019 12:22

Tgt Ion: 43 Resp: 2327

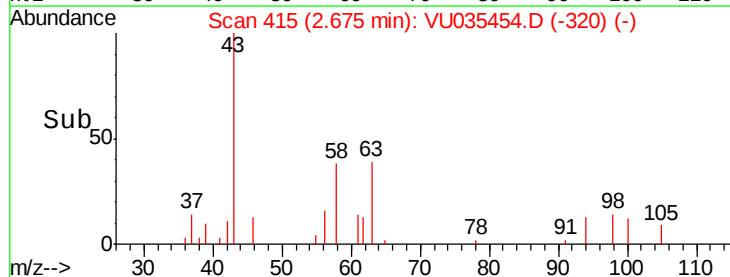
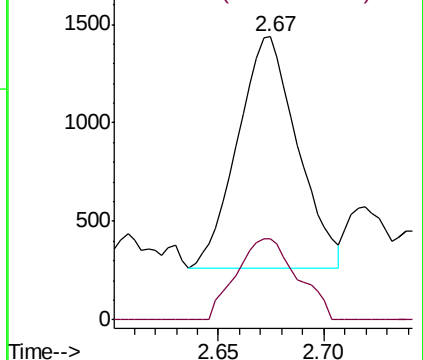
Ion Ratio Lower Upper

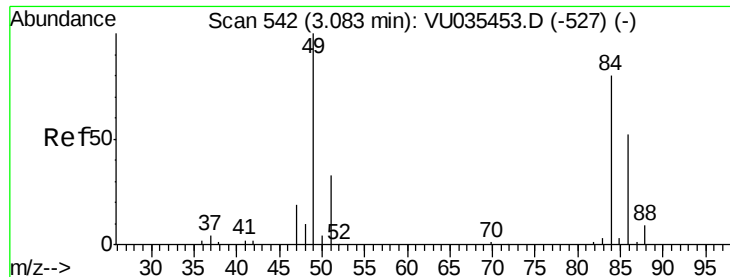
43 100

58 35.8 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0

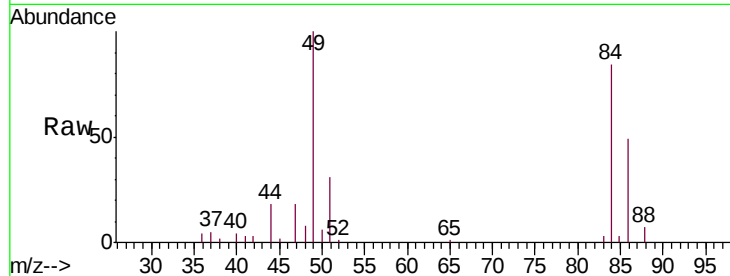




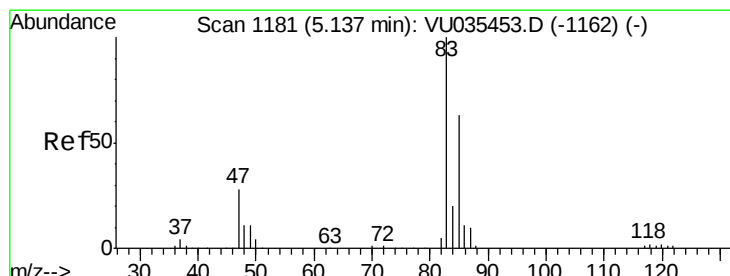
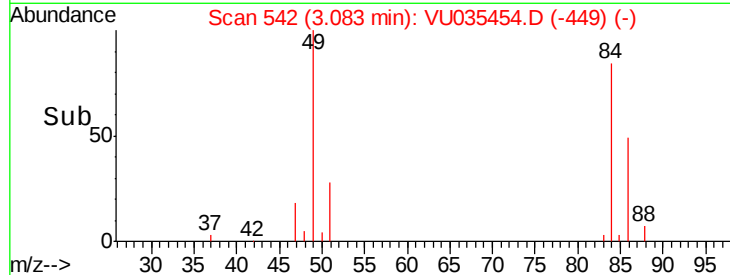
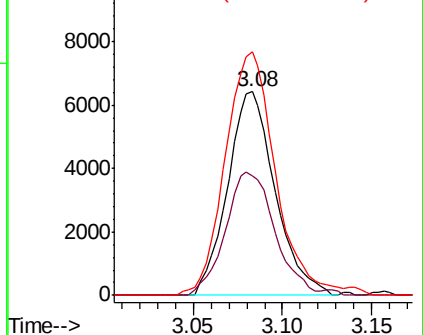
#16
Methylene chloride
Concen: 0.716 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU035454.D
Acq: 24 Oct 2019 12:22

Instrument :
MSVOA_U
ClientSampleId :
VBLK05

Tgt Ion: 84 Resp: 11884
Ion Ratio Lower Upper
84 100
86 58.4 45.4 84.2
49 119.5 86.8 161.2

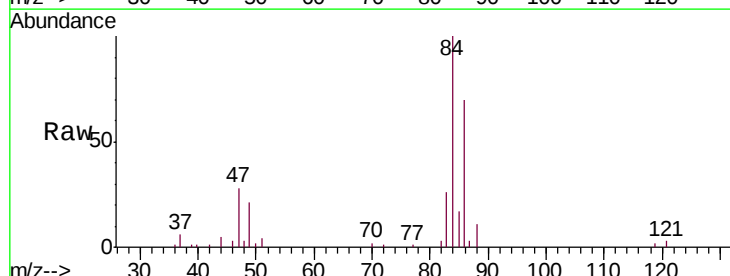


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

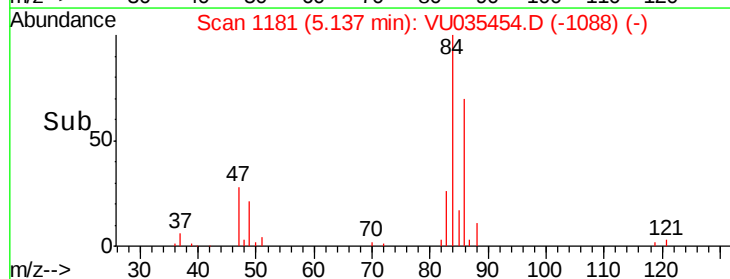
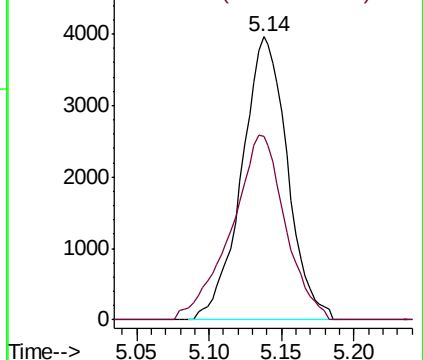


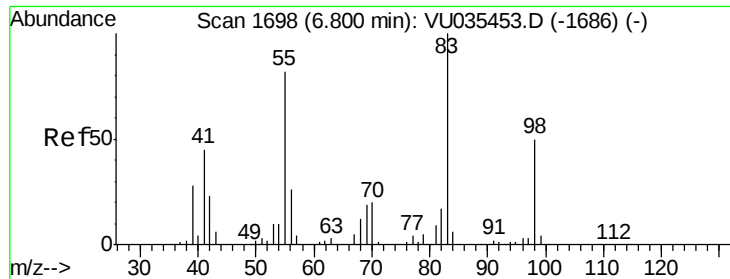
#25
Chloroform
Concen: 0.294 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU035454.D
Acq: 24 Oct 2019 12:22

Tgt Ion: 83 Resp: 8676
Ion Ratio Lower Upper
83 100
85 64.7 45.1 83.9



Abundance Ion 83.05 (82.75 to 83.75): VU0
Ion 85.00 (84.70 to 85.70): VU0

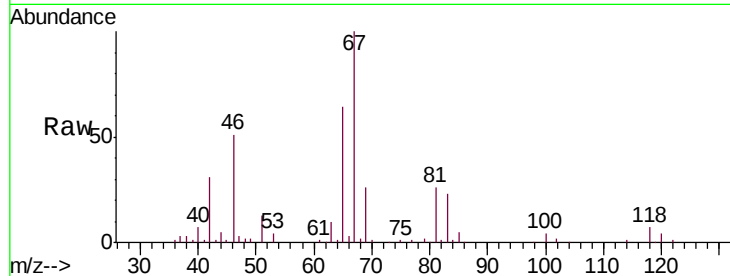




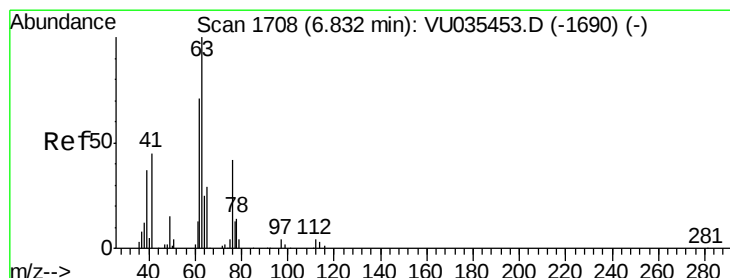
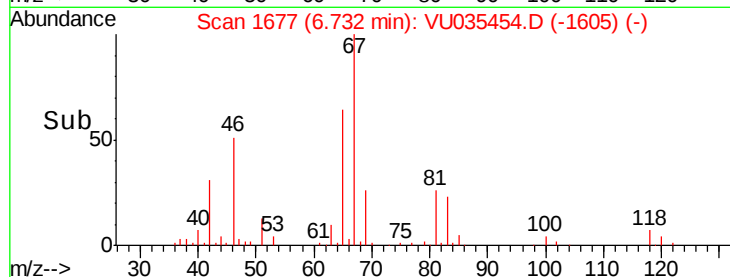
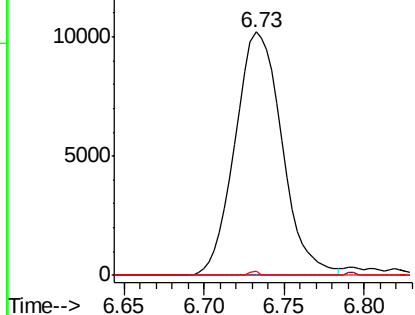
#35
Methylcyclohexane
Concen: 0.706 ug/L
RT: 6.73 min Scan# 1677
Delta R.T. -0.07 min
Lab File: VU035454.D
Acq: 24 Oct 2019 12:22

Instrument :
MSVOA_U
ClientSampleId :
VBLK05

Tgt Ion: 83 Resp: 20484
Ion Ratio Lower Upper
83 100
55 0.2 60.4 90.6#
98 0.3 39.5 59.3#

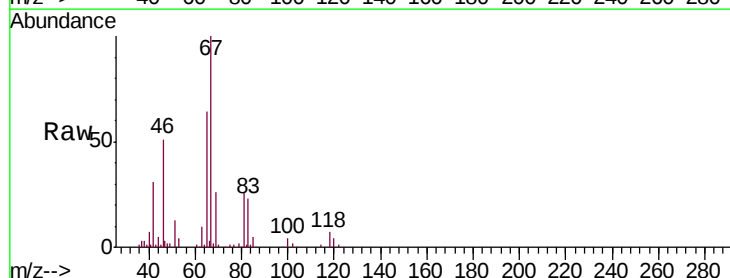


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

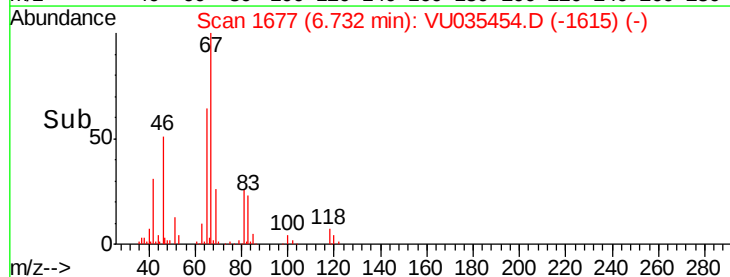
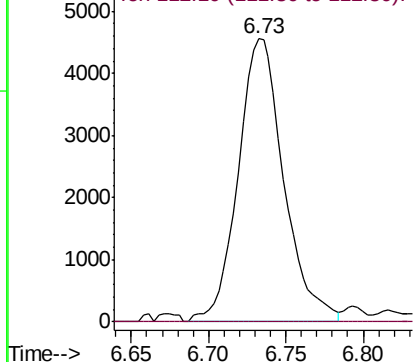


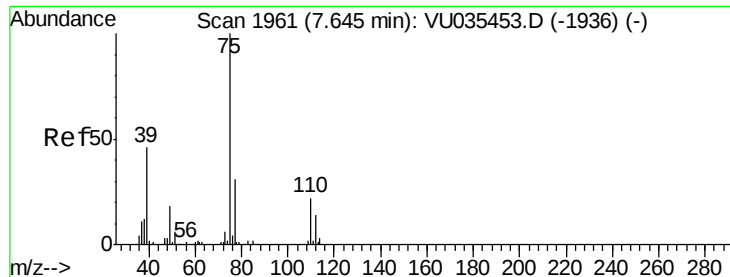
#37
1,2-Dichloropropane
Concen: 0.571 ug/L
RT: 6.73 min Scan# 1677
Delta R.T. -0.10 min
Lab File: VU035454.D
Acq: 24 Oct 2019 12:22

Tgt Ion: 63 Resp: 9363
Ion Ratio Lower Upper
63 100
112 0.0 3.7 5.5#



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: 0.082 ug/L

RT: 7.60 min Scan# 1947

Delta R.T. -0.04 min

Lab File: VU035454.D

Acq: 24 Oct 2019 12:22

Instrument :

MSVOA_U

ClientSampleId :

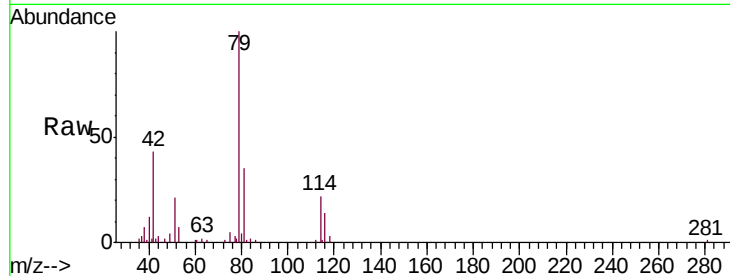
VBLK05

Tgt Ion: 75 Resp: 2242

Ion Ratio Lower Upper

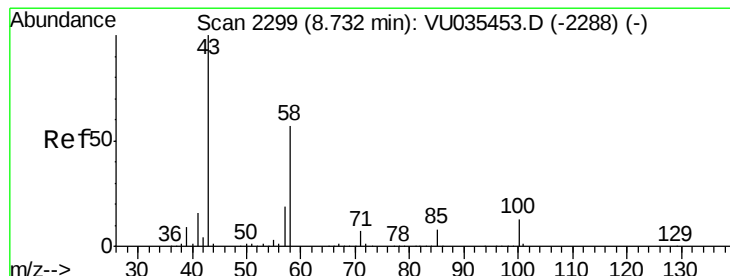
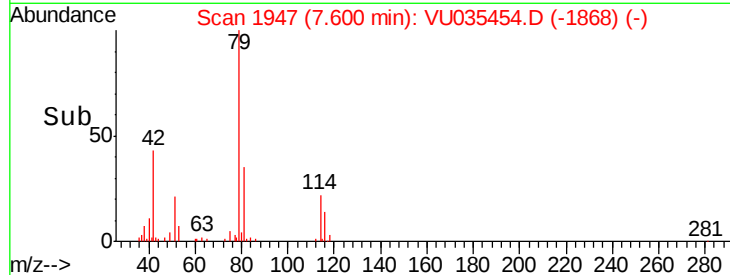
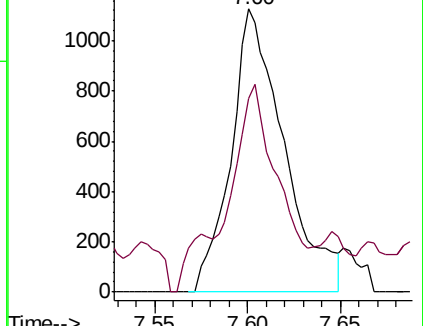
75 100

77 68.5 22.7 42.1#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#48

2-Hexanone

Concen: 1.633 ug/L

RT: 8.74 min Scan# 2303

Delta R.T. 0.01 min

Lab File: VU035454.D

Acq: 24 Oct 2019 12:22

Tgt Ion: 43 Resp: 12680

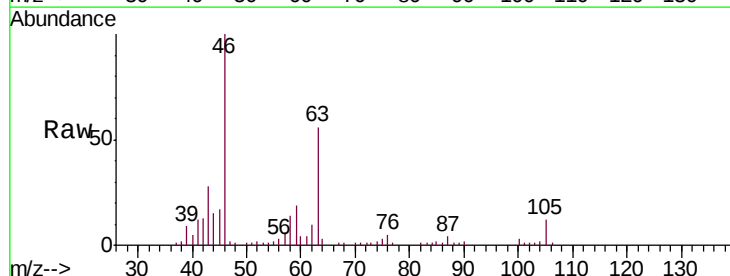
Ion Ratio Lower Upper

43 100

58 48.7 45.1 67.7

57 0.0 16.0 24.0#

100 3.3 10.4 15.6#

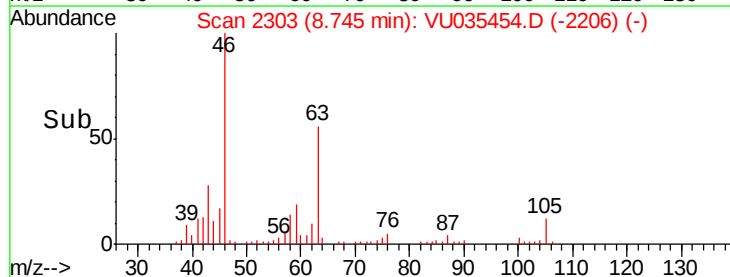
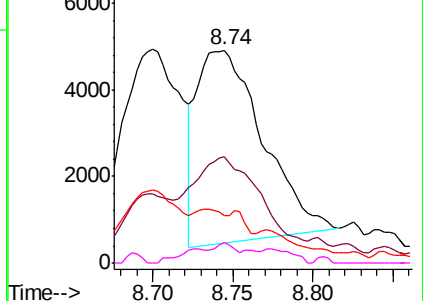


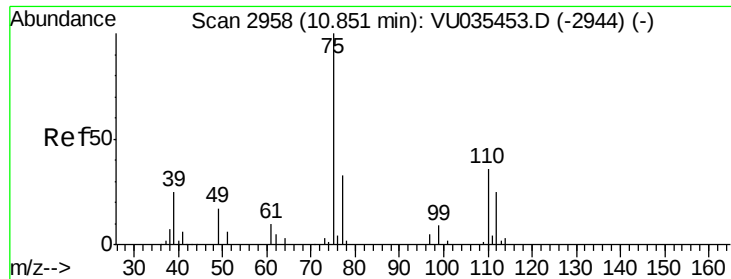
Abundance Ion 43.05 (42.75 to 43.75): VU0

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

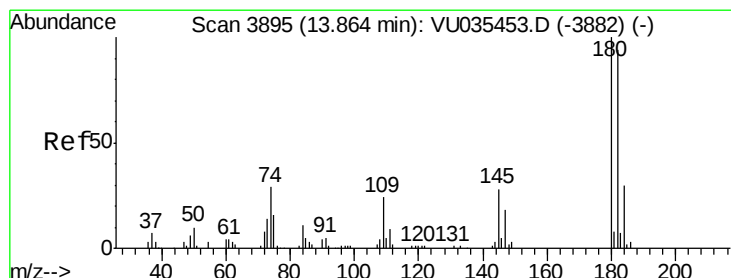
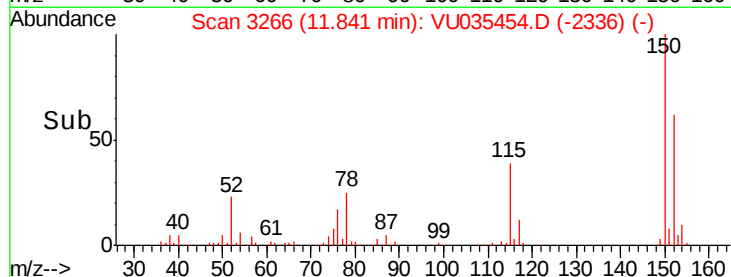
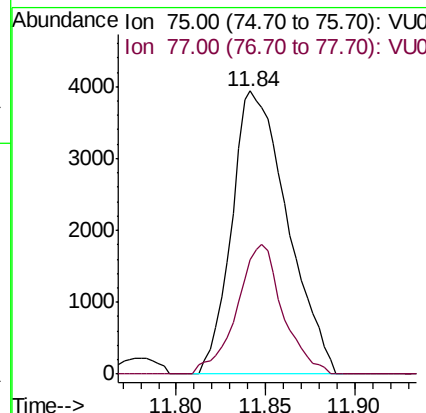
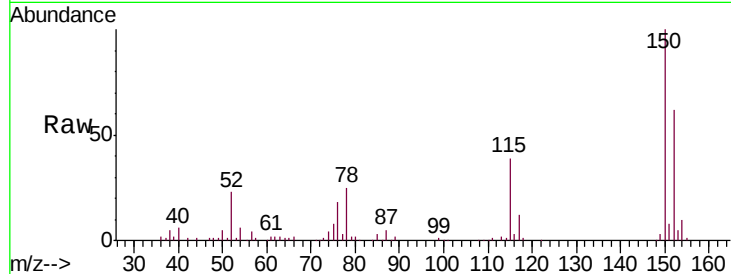




#59
 1,2,3-Trichloropropane
 Concen: 0.749 ug/L
 RT: 11.84 min Scan# 3266
 Delta R.T. 0.99 min
 Lab File: VU035454.D
 Acq: 24 Oct 2019 12:22

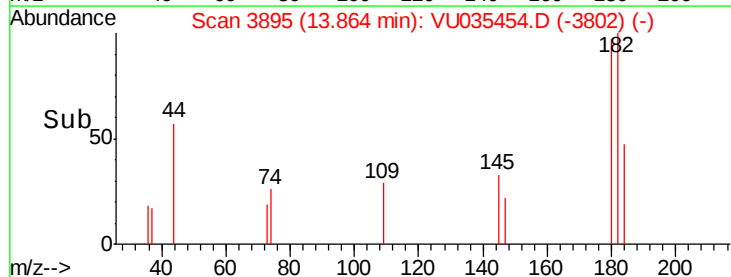
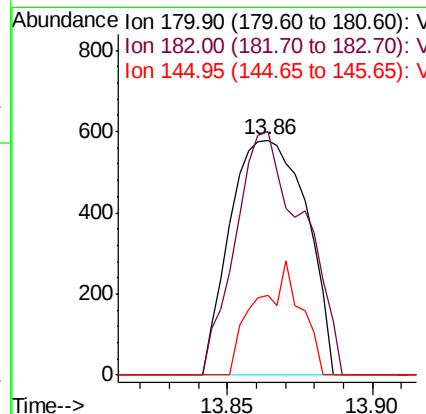
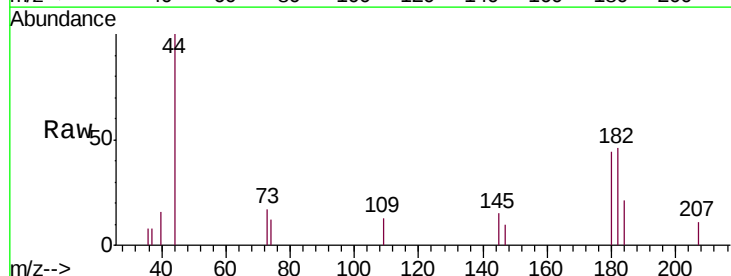
Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK05

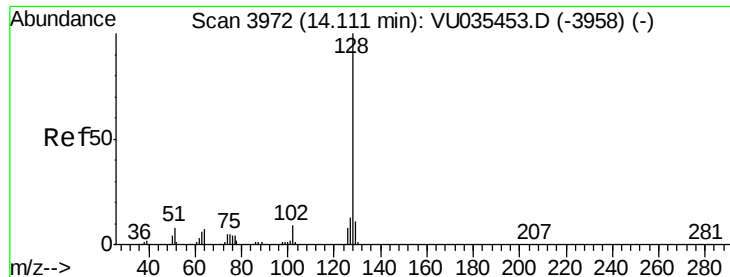
Tgt Ion: 75 Resp: 8557
 Ion Ratio Lower Upper
 75 100
 77 38.0 26.2 39.2



#68
 1,2,4-trichlorobenzene
 Concen: 0.115 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. 0.00 min
 Lab File: VU035454.D
 Acq: 24 Oct 2019 12:22

Tgt Ion: 180 Resp: 1058
 Ion Ratio Lower Upper
 180 100
 182 92.3 75.9 113.9
 145 28.4 23.4 35.2





#69

Naphthalene

Concen: 0.127 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU035454.D

Acq: 24 Oct 2019 12:22

Instrument :

MSVOA_U

ClientSampled :

VBLK05

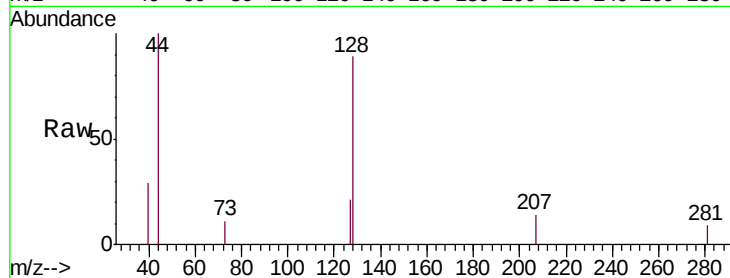
Tgt Ion:128 Resp: 1611

Ion Ratio Lower Upper

128 100

129 0.0 8.6 13.0#

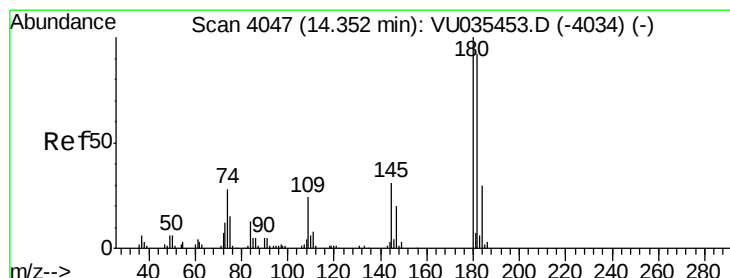
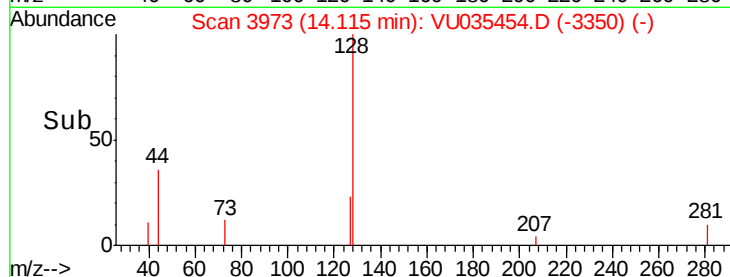
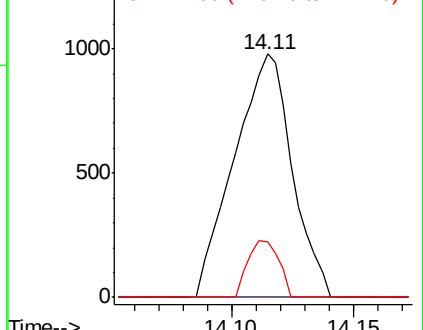
127 12.3 10.7 16.1



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: 0.139 ug/L

RT: 14.35 min Scan# 4047

Delta R.T. 0.00 min

Lab File: VU035454.D

Acq: 24 Oct 2019 12:22

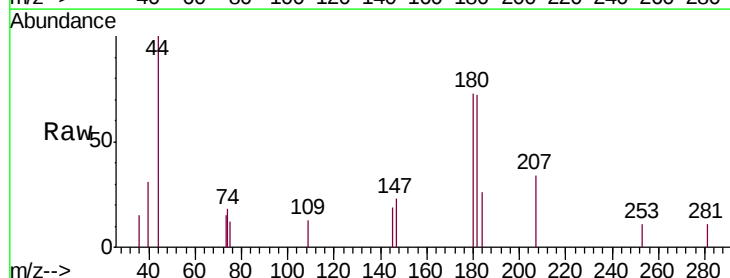
Tgt Ion:180 Resp: 1195

Ion Ratio Lower Upper

180 100

182 98.4 76.0 114.0

145 23.3 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

