

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102219\
 Data File : VU035368.D
 Acq On : 22 Oct 2019 17:09
 Operator : JC/SP
 Sample : K5461-17DL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 23 08:05:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 23 08:02:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	275184	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	272446	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	94986	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	99021	5.90	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	118.00%
7) Chloroethane-d5	1.93	69	90669	5.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	118.20%
11) 1,1-Dichloroethene-d2	2.59	63	132999	4.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.80%
20) 2-Butanone-d5	4.70	46	250659	51.98	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.96%
24) Chloroform-d	5.11	84	165954	5.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.20%
26) 1,2-Dichloroethane-d4	5.75	65	92724	5.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.20%
32) Benzene-d6	5.77	84	334260	5.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.20%
36) 1,2-Dichloropropane-d6	6.74	67	112160	5.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	113.40%
41) Toluene-d8	7.93	98	289434	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
43) trans-1,3-Dichloropropene-	8.22	79	42749	4.45	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.00%
46) 2-Hexanone-d5	8.68	63	191065	45.13	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.26%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	90374	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.60%
64) 1,2-Dichlorobenzene-d4	12.22	152	90291	5.22	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.40%

Target Compounds

					Ovalue
5) Vinyl chloride	1.62	62	5413	0.227 ug/L #	1
12) 1,1-Dichloroethene	2.59	96	1275	0.072 ug/L #	1
13) Acetone	2.67	43	3340	0.996 ug/L	86
16) Methylene chloride	3.08	84	4935	0.232 ug/L	95
17) Methyl tert-butyl Ether	3.43	73	14054	0.295 ug/L #	94
22) cis-1,2-Dichloroethene	4.72	96	47342	2.245 ug/L	98
25) Chloroform	5.14	83	10945	0.289 ug/L	94
34) Trichloroethene	6.58	95	141870	6.583 ug/L	95
35) Methylcyclohexane	6.73	83	26589	0.738 ug/L #	19
37) 1,2-Dichloropropane	6.73	63	12905	0.634 ug/L #	87
39) cis-1,3-Dichloropropene	7.60	75	3018	0.089 ug/L #	35
47) Tetrachloroethene	8.59	164	4033	0.225 ug/L	96
48) 2-Hexanone	8.73	43	9526	0.989 ug/L #	67
49) Dibromochloromethane	8.58	129	3856	0.201 ug/L #	11
59) 1,2,3-Trichloropropane	11.84	75	12098	0.853 ug/L	100

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 23 08:02:08 2019
Response via : Initial Calibration

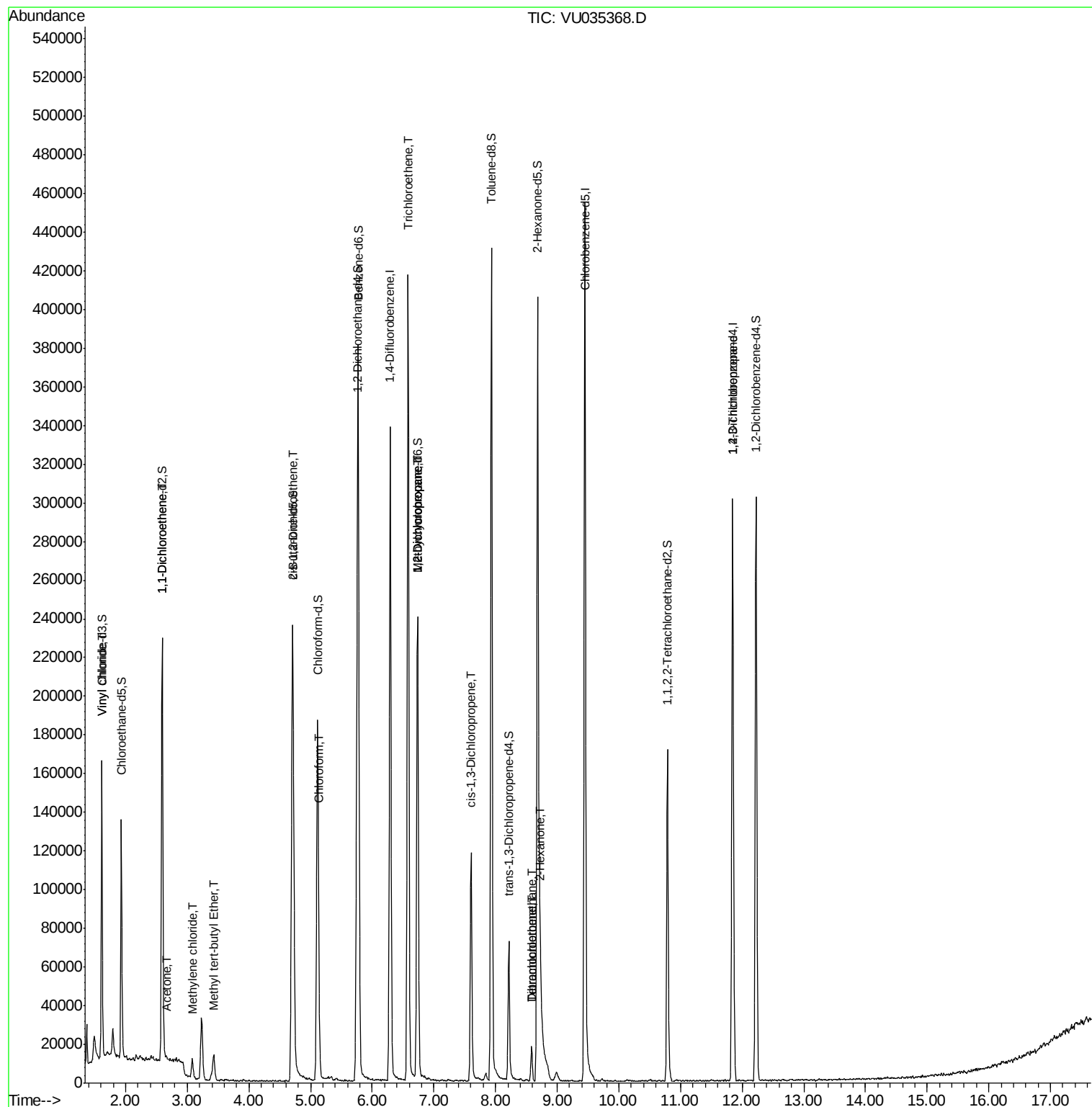
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

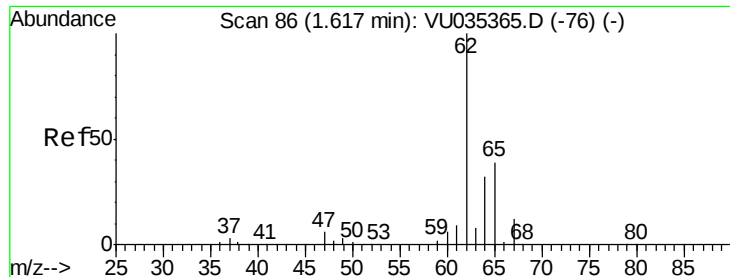
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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Misc : 25.0mL/MSVOA U/WATER
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Instrument :
MSVOA_U
ClientSampled :

Quant Time: Oct 23 08:05:05 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 23 08:02:08 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.227 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035368.D

Acq: 22 Oct 2019 17:09

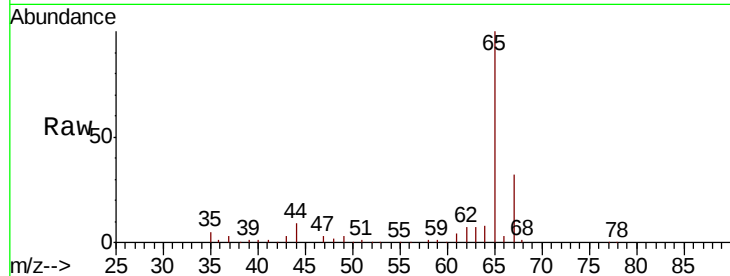
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 62 Resp: 5413

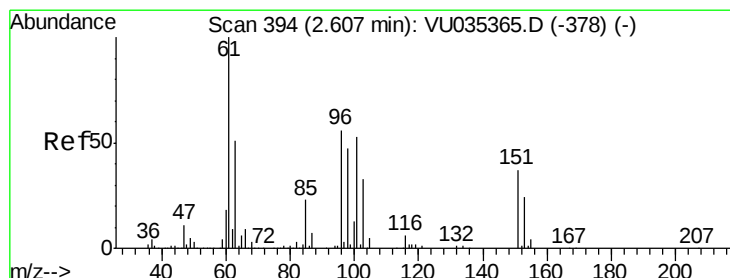
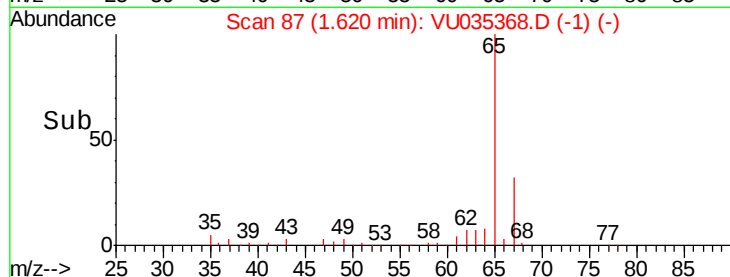
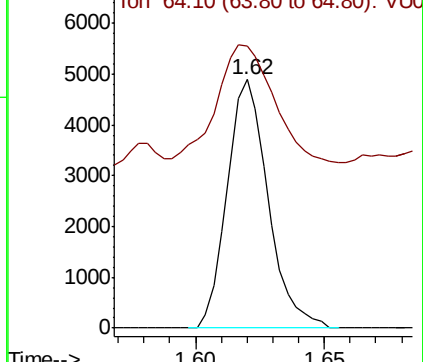
Ion Ratio Lower Upper

62 100

64 113.8 22.9 42.5#



Abundance Ion 62.00 (61.70 to 62.70): VU0
Ion 64.10 (63.80 to 64.80): VU0



#12

1,1-Dichloroethene

Concen: 0.072 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU035368.D

Acq: 22 Oct 2019 17:09

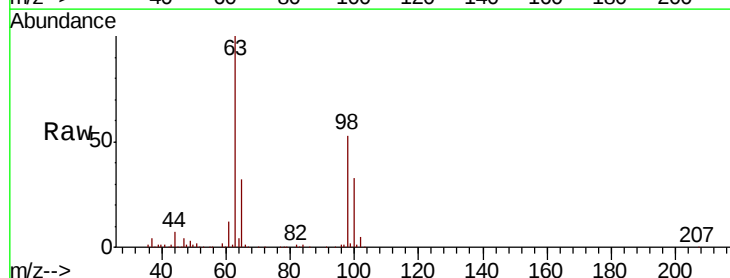
Tgt Ion: 96 Resp: 1275

Ion Ratio Lower Upper

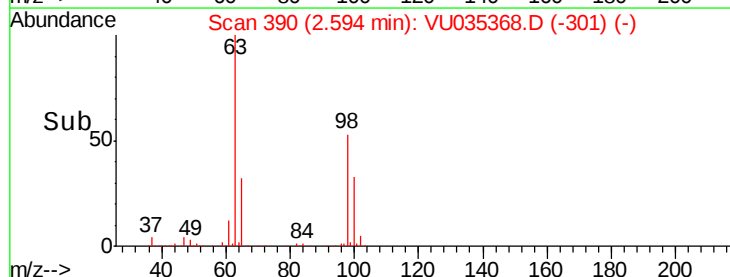
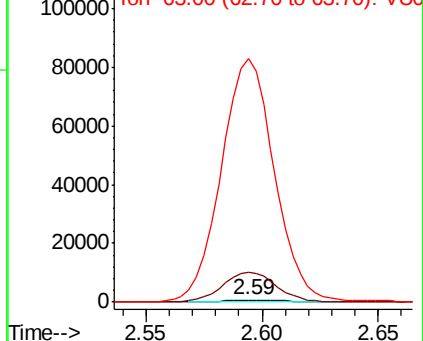
96 100

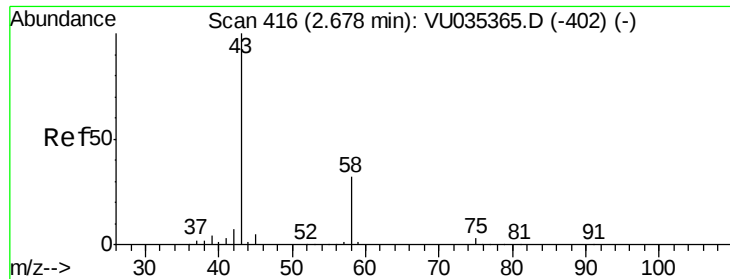
61 1380.6 120.6 224.0#

63 11441.7 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: 0.996 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.01 min

Lab File: VU035368.D

Acq: 22 Oct 2019 17:09

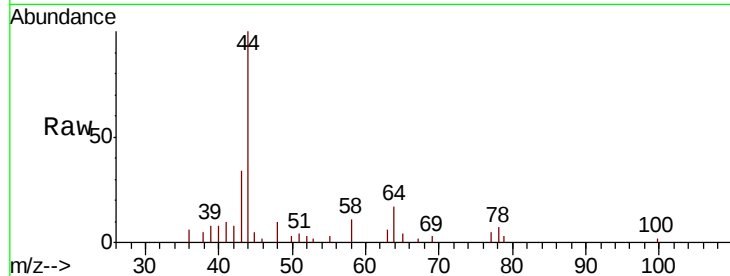
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 3340

Ion Ratio Lower Upper

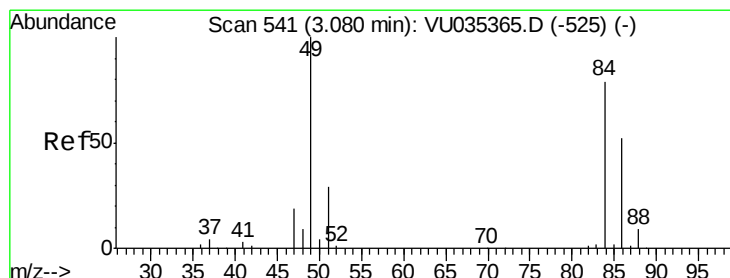
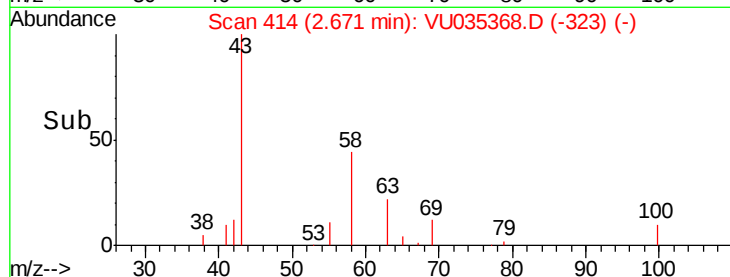
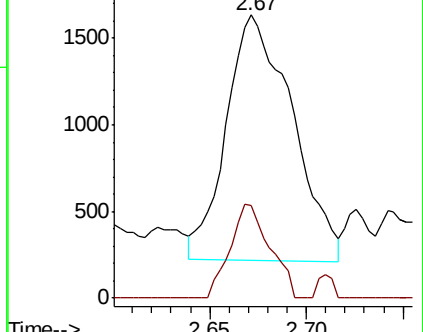
43 100

58 23.1 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU035368.D (-323) (-)

Ion 58.05 (57.75 to 58.75): VU035368.D (-323) (-)



#16

Methylene chloride

Concen: 0.232 ug/L

RT: 3.08 min Scan# 541

Delta R.T. -0.00 min

Lab File: VU035368.D

Acq: 22 Oct 2019 17:09

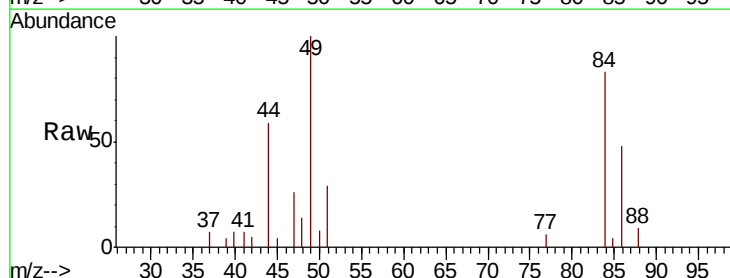
Tgt Ion: 84 Resp: 4935

Ion Ratio Lower Upper

84 100

86 58.1 45.4 84.2

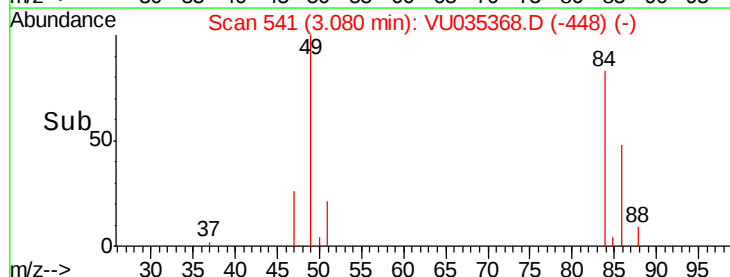
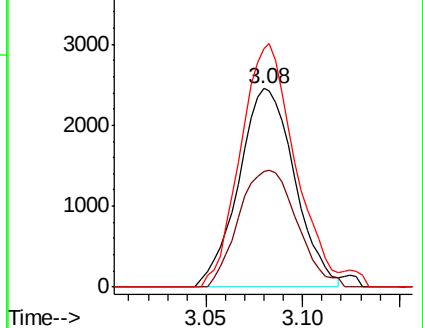
49 120.0 86.8 161.2

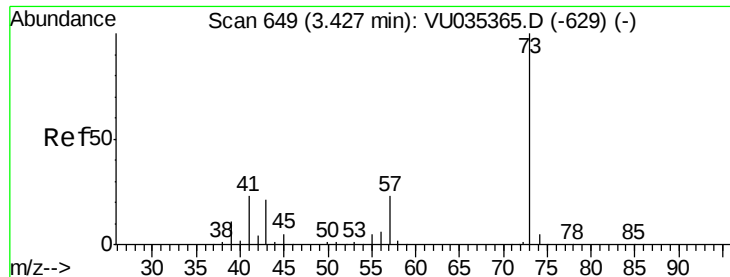


Abundance Ion 84.05 (83.75 to 84.75): VU035368.D (-448) (-)

Ion 86.00 (85.70 to 86.70): VU035368.D (-448) (-)

Ion 49.10 (48.80 to 49.80): VU035368.D (-448) (-)



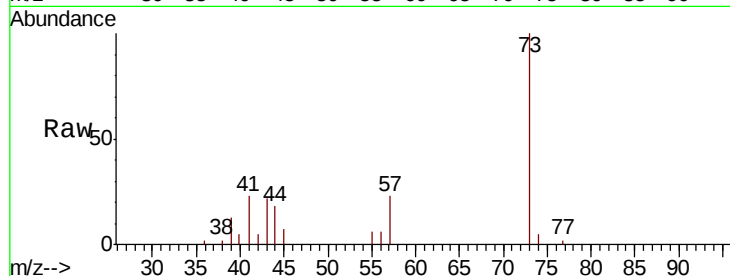


#17

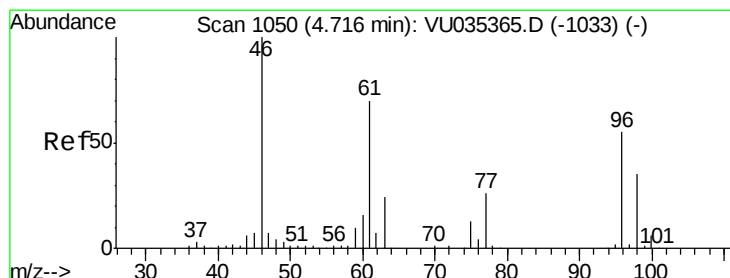
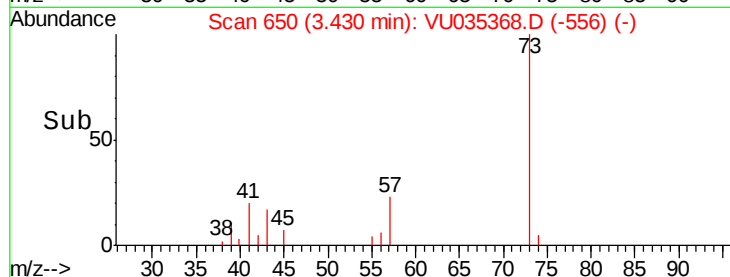
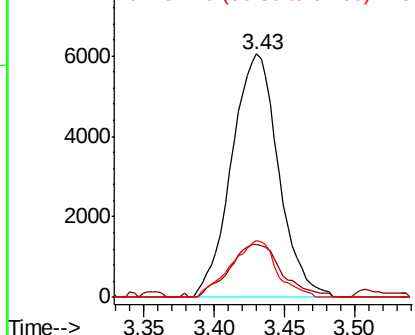
Methvl tert-butvl Ether
 Concen: 0.295 ug/L
 RT: 3.43 min Scan# 650
 Delta R.T. 0.00 min
 Lab File: VU035368.D
 Acq: 22 Oct 2019 17:09

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 73 Resp: 14054
 Ion Ratio Lower Upper
 73 100
 43 24.4 16.0 24.0#
 57 23.0 17.4 26.2



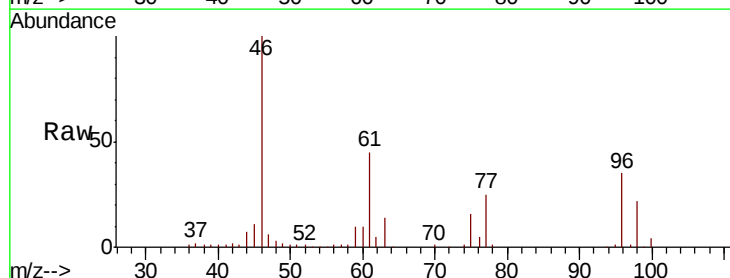
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



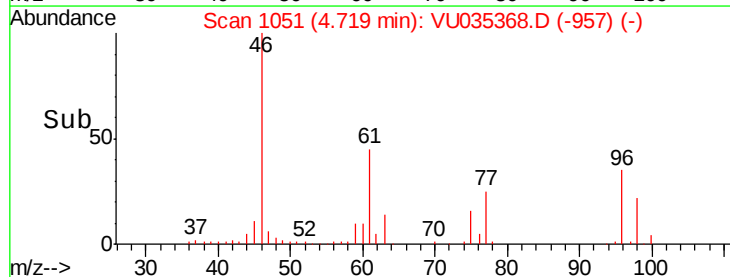
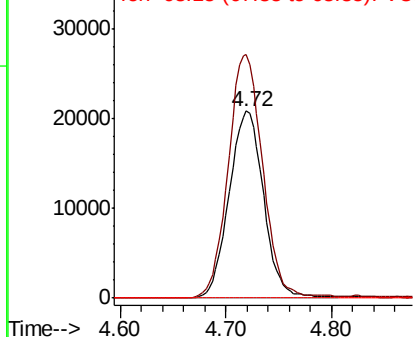
#22

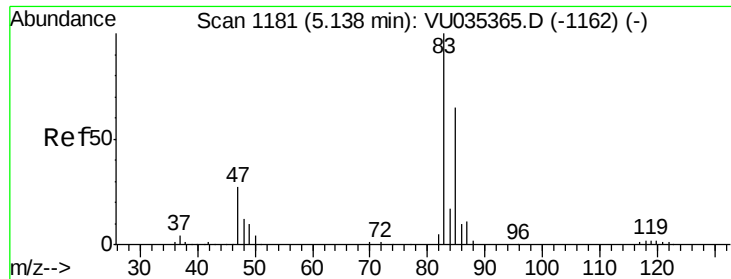
cis-1,2-Dichloroethene
 Concen: 2.245 ug/L
 RT: 4.72 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VU035368.D
 Acq: 22 Oct 2019 17:09

Tgt Ion: 96 Resp: 47342
 Ion Ratio Lower Upper
 96 100
 61 130.2 89.7 166.5
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

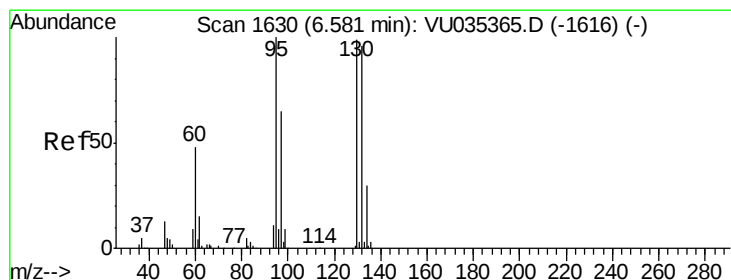
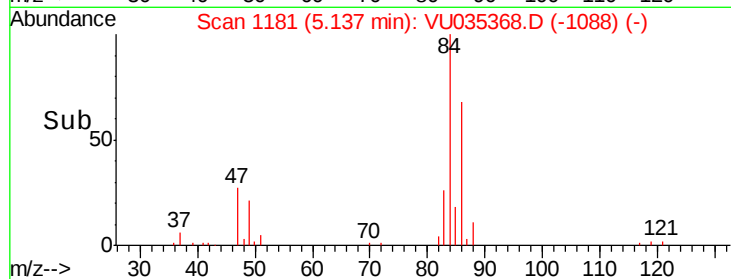
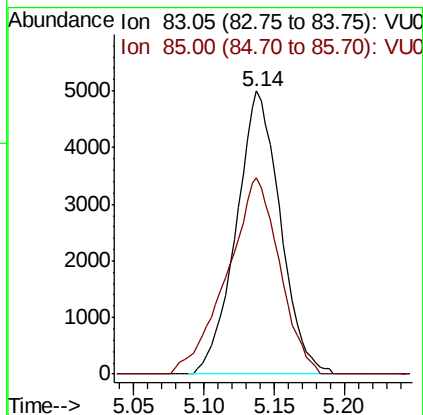
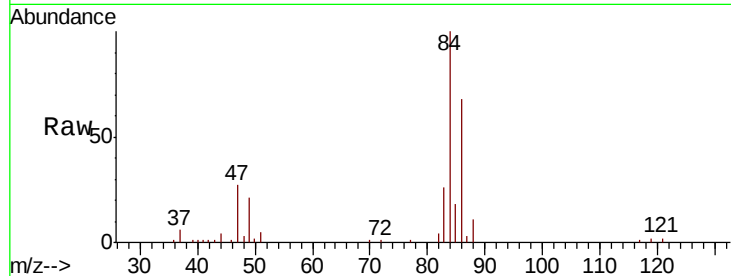




#25
Chloroform
Concen: 0.289 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU035368.D
Acq: 22 Oct 2019 17:09

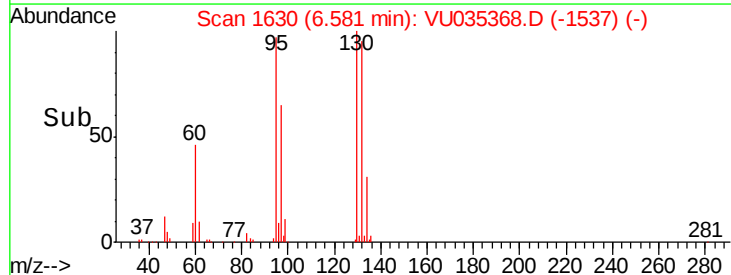
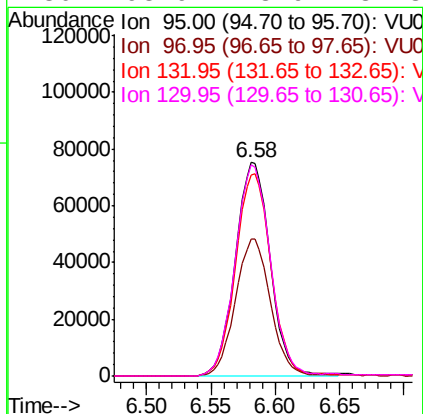
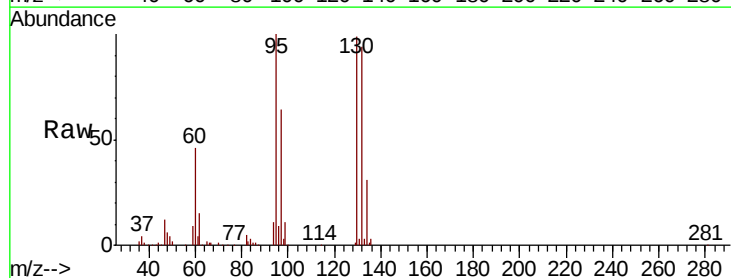
Instrument :
MSVOA_U
ClientSampleId :

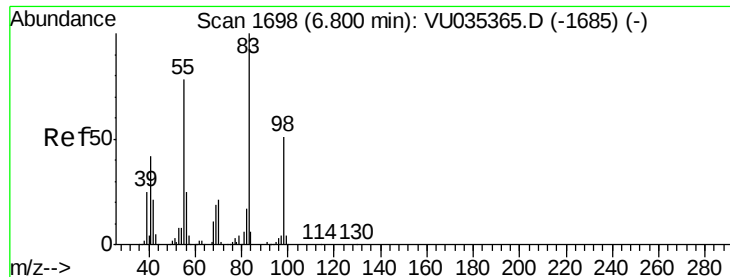
Tot Ion: 83 Resp: 10945
Ion Ratio Lower Upper
83 100
85 69.1 45.1 83.9



#34
Trichloroethene
Concen: 6.583 ug/L
RT: 6.58 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU035368.D
Acq: 22 Oct 2019 17:09

Tgt Ion: 95 Resp: 141870
Ion Ratio Lower Upper
95 100
97 63.9 46.6 86.6
132 94.3 68.7 127.7
130 98.9 73.9 137.3





#35

Methylcyclohexane

Concen: 0.738 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.07 min

Lab File: VU035368.D

Acq: 22 Oct 2019 17:09

Instrument :

MSVOA_U

ClientSampleId :

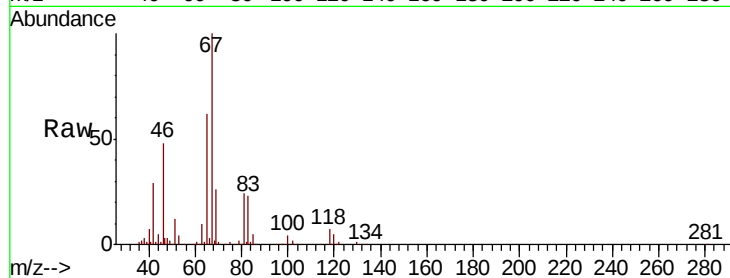
Tot Ion: 83 Resp: 26589

Ion Ratio Lower Upper

83 100

55 0.5 60.4 90.6#

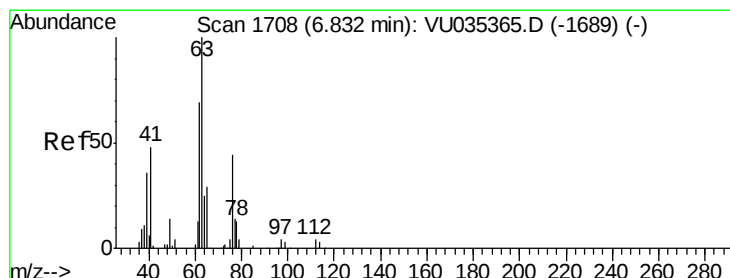
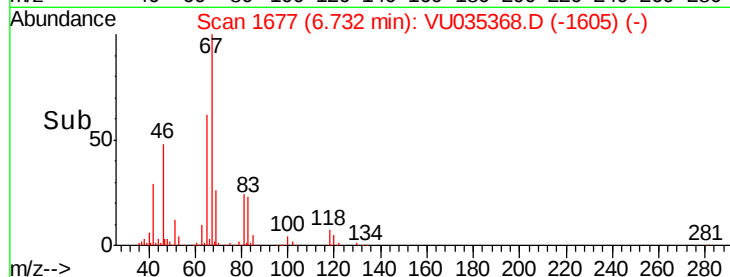
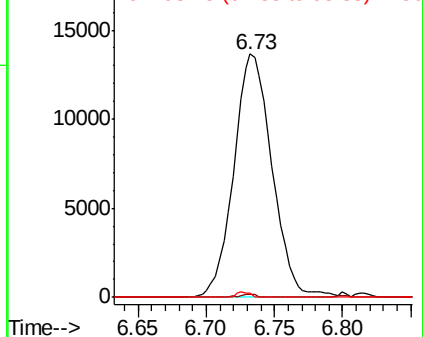
98 0.7 39.5 59.3#



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: 0.634 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.10 min

Lab File: VU035368.D

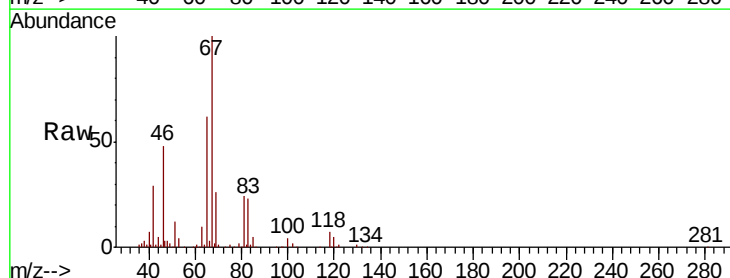
Acq: 22 Oct 2019 17:09

Tgt Ion: 63 Resp: 12905

Ion Ratio Lower Upper

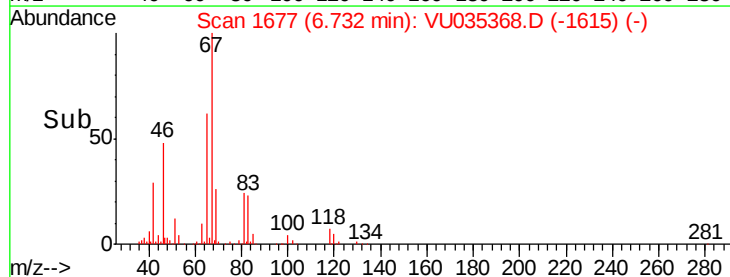
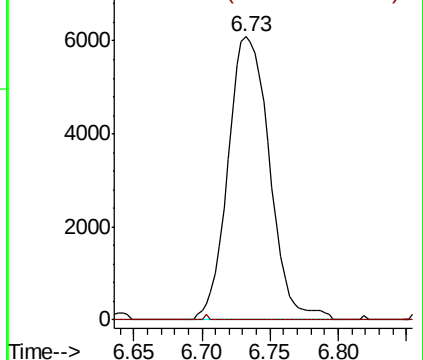
63 100

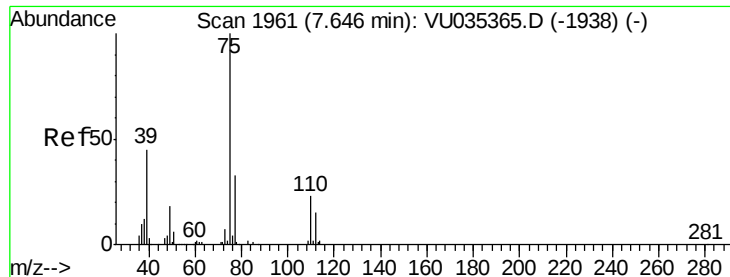
112 0.2 3.7 5.5#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V

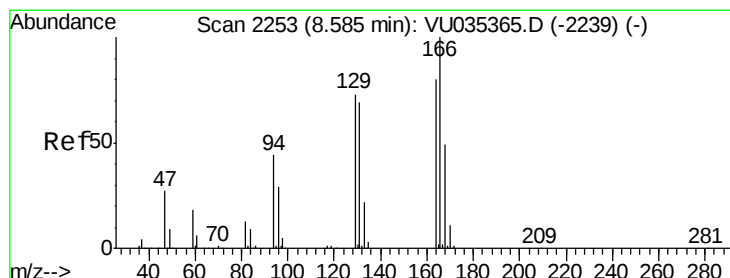
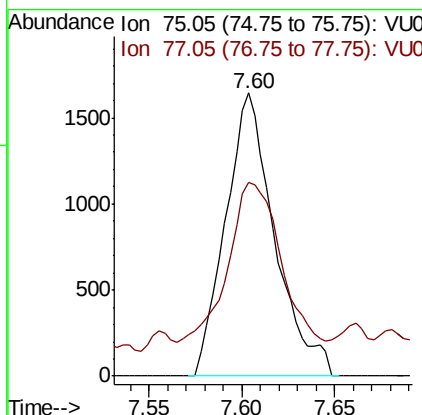
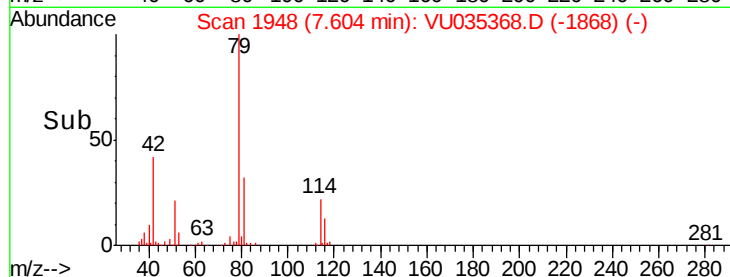
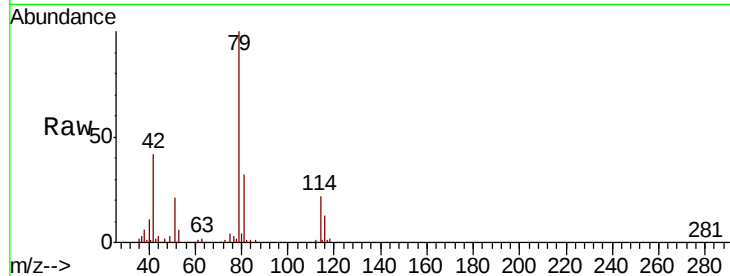




#39
 cis-1,3-Dichloropropene
 Concen: 0.089 ug/L
 RT: 7.60 min Scan# 1948
 Delta R.T. -0.04 min
 Lab File: VU035368.D
 Acq: 22 Oct 2019 17:09

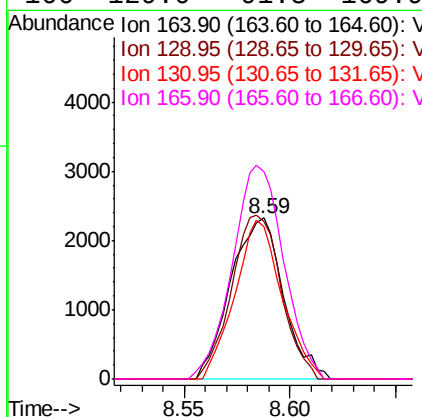
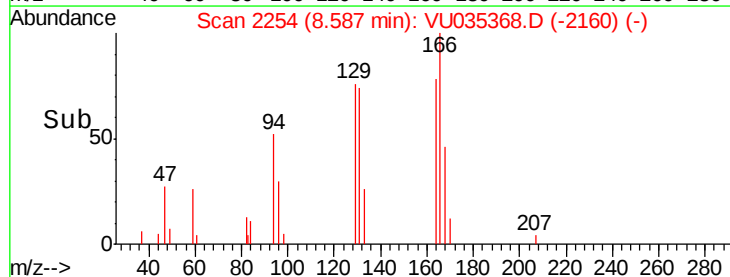
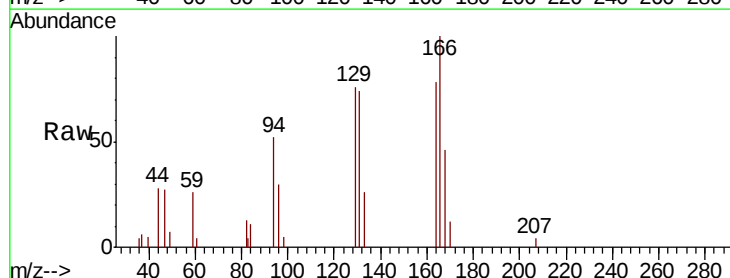
Instrument :
 MSVOA_U
 ClientSampleId :

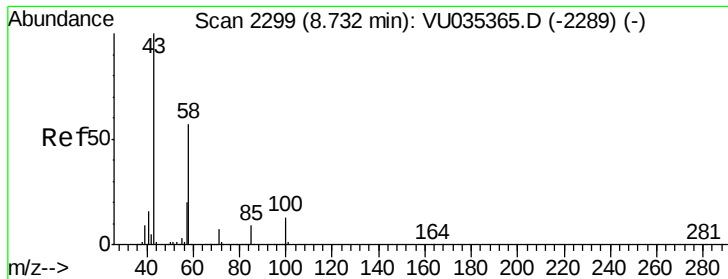
Tot Ion: 75 Resp: 3018
 Ion Ratio Lower Upper
 75 100
 77 68.6 22.7 42.1#



#47
 Tetrachloroethene
 Concen: 0.225 ug/L
 RT: 8.59 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VU035368.D
 Acq: 22 Oct 2019 17:09

Tgt Ion: 164 Resp: 4033
 Ion Ratio Lower Upper
 164 100
 129 97.9 65.2 121.0
 131 95.0 62.9 116.9
 166 129.0 91.5 169.9

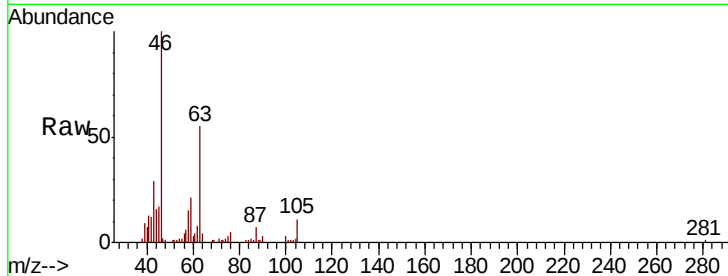




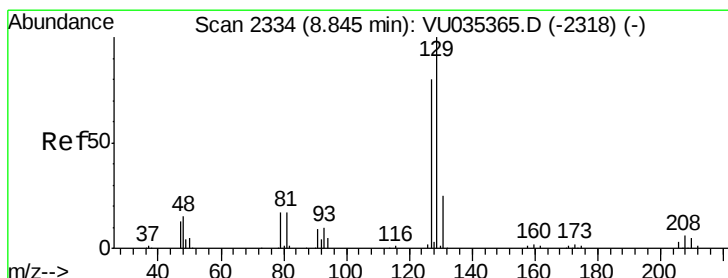
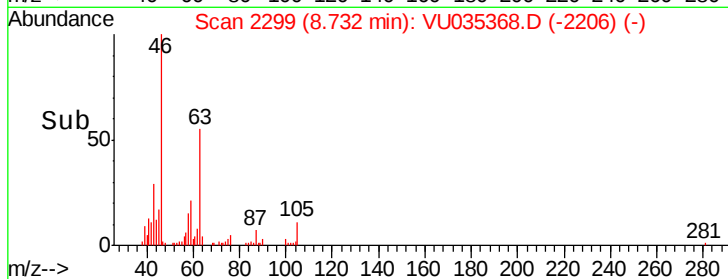
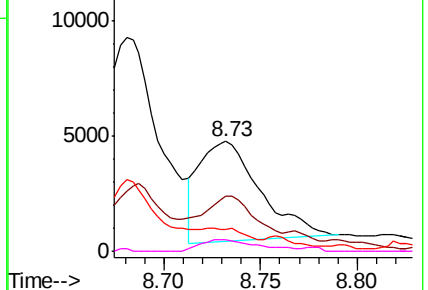
#48
2-Hexanone
Concen: 0.989 ug/L
RT: 8.73 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VU035368.D
Acq: 22 Oct 2019 17:09

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 9526
Ion Ratio Lower Upper
43 100
58 31.1 45.1 67.7#
57 0.0 16.0 24.0#
100 10.0 10.4 15.6#

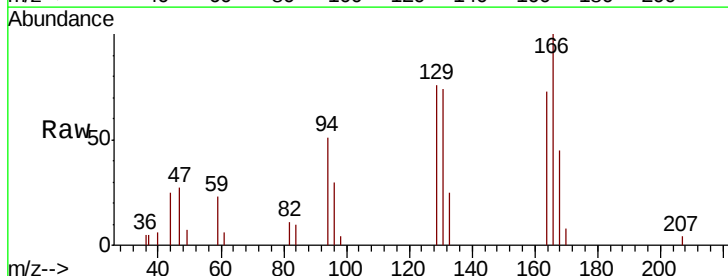


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

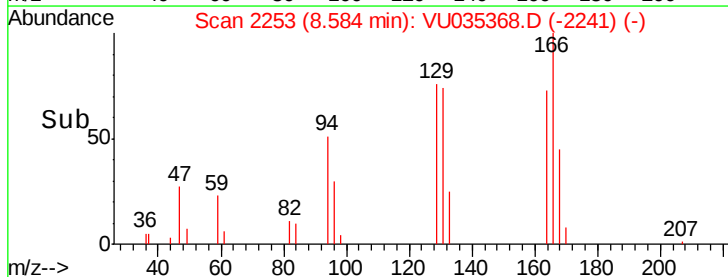
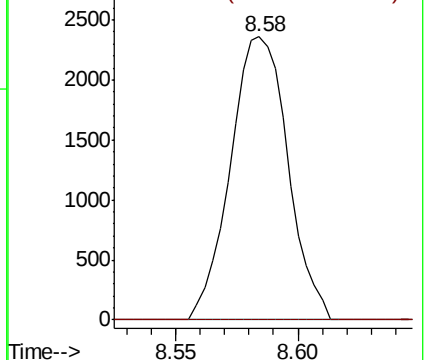


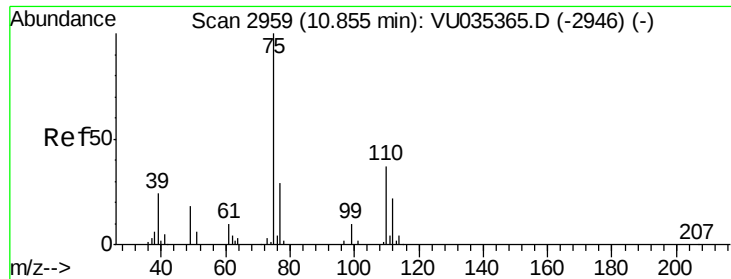
#49
Dibromochloromethane
Concen: 0.201 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. -0.26 min
Lab File: VU035368.D
Acq: 22 Oct 2019 17:09

Tgt Ion: 129 Resp: 3856
Ion Ratio Lower Upper
129 100
127 0.0 53.8 99.8#



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#59

1,2,3-Trichloropropane

Concen: 0.853 ug/L

RT: 11.84 min Scan# 3267

Delta R.T. 0.99 min

Lab File: VU035368.D

Acq: 22 Oct 2019 17:09

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 12098

Ion Ratio Lower Upper

75 100

77 32.7 26.2 39.2

