

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102319\
 Data File : VU035404.D
 Acq On : 23 Oct 2019 12:34
 Operator : JC/SP
 Sample : K5461-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 23 17:19:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 23 17:16:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	231982	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	235401	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	75711	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	63645	4.50	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.00%
7) Chloroethane-d5	1.94	69	67937	5.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.00%
11) 1,1-Dichloroethene-d2	2.59	63	95298	3.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.80%
20) 2-Butanone-d5	4.70	46	235872	58.03	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.06%
24) Chloroform-d	5.11	84	140041	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.40%
26) 1,2-Dichloroethane-d4	5.75	65	84624	5.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	118.20%
32) Benzene-d6	5.77	84	273836	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
36) 1,2-Dichloropropane-d6	6.74	67	97829	5.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	114.40%
41) Toluene-d8	7.93	98	230607	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
43) trans-1,3-Dichloropropene-	8.22	79	34877	4.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.00%
46) 2-Hexanone-d5	8.70	63	167382	45.75	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.50%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	85298	5.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	73653	5.34	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.80%

Target Compounds

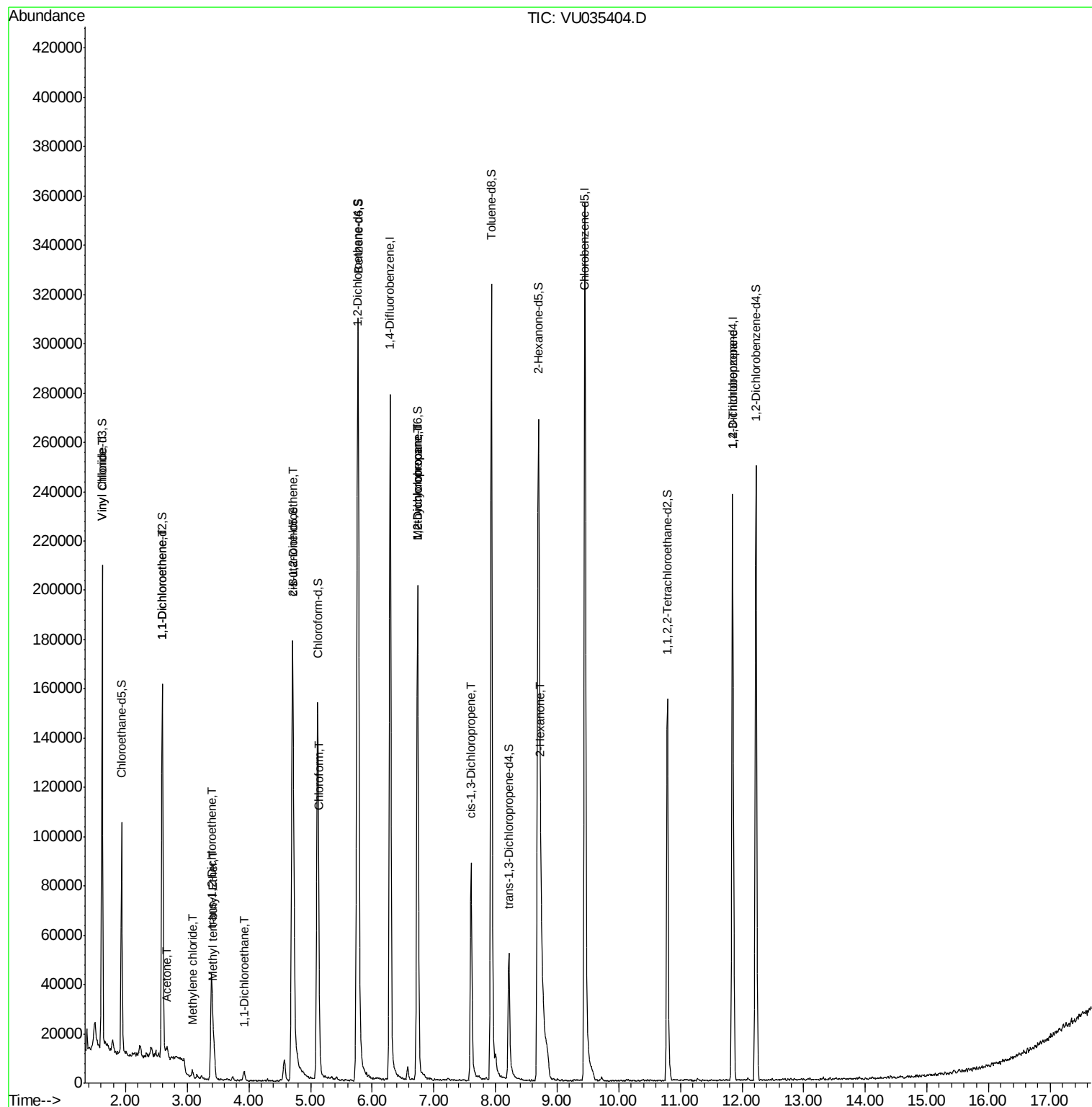
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	77727	3.864	ug/L	96
12) 1,1-Dichloroethene	2.59	96	1421	0.095	ug/L #	1
13) Acetone	2.67	43	2914	1.031	ug/L	91
16) Methylene chloride	3.08	84	1226	0.068	ug/L	80
17) Methyl tert-butyl Ether	3.43	73	17460	0.435	ug/L	97
18) trans-1,2-Dichloroethene	3.39	96	18104	1.126	ug/L	91
19) 1,1-Dichloroethane	3.92	63	4652	0.160	ug/L	98
22) cis-1,2-Dichloroethene	4.72	96	29485	1.659	ug/L	93
25) Chloroform	5.14	83	10025	0.314	ug/L	99
35) Methylcyclohexane	6.74	83	22788	0.732	ug/L #	19
37) 1,2-Dichloropropane	6.73	63	10982	0.625	ug/L #	86
39) cis-1,3-Dichloropropene	7.60	75	2468	0.084	ug/L #	43
48) 2-Hexanone	8.74	43	17073	2.051	ug/L #	72
59) 1,2,3-Trichloropropane	11.84	75	9804	0.800	ug/L	91

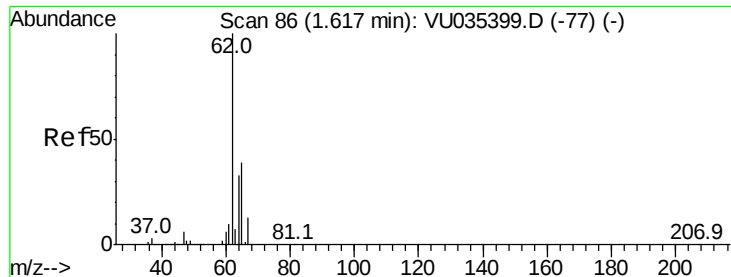
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 23 17:16:19 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 3.864 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VU035404.D

Acq: 23 Oct 2019 12:34

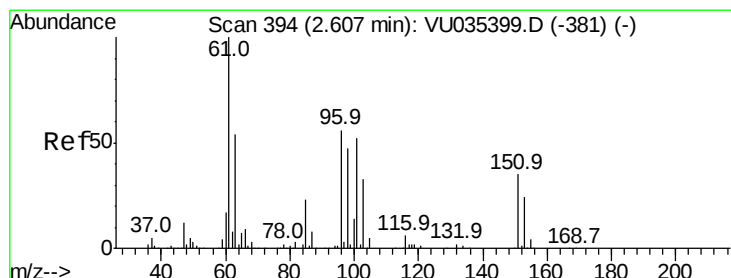
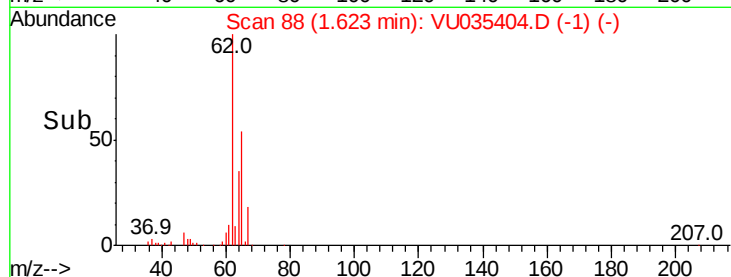
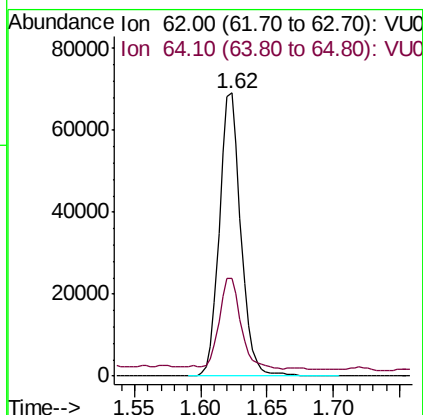
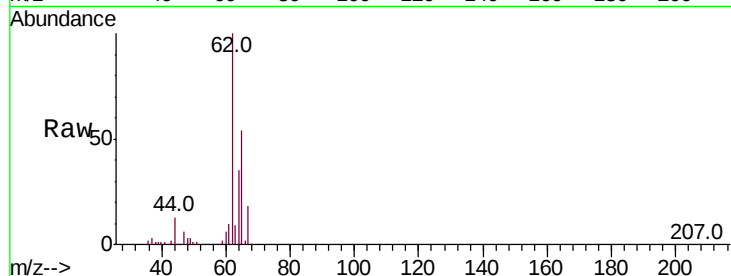
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 62 Resp: 77727

Ion Ratio Lower Upper

62 100

64 34.7 22.9 42.5



#12

1,1-Dichloroethene

Concen: 0.095 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.02 min

Lab File: VU035404.D

Acq: 23 Oct 2019 12:34

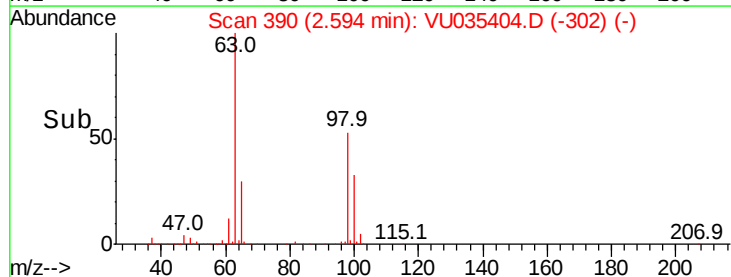
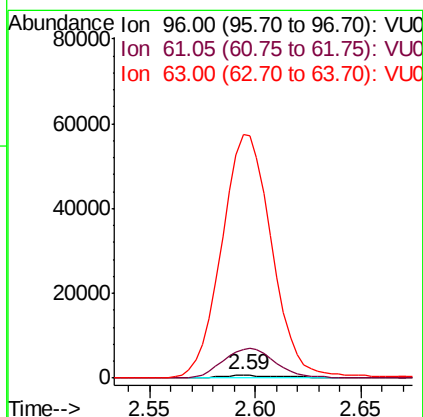
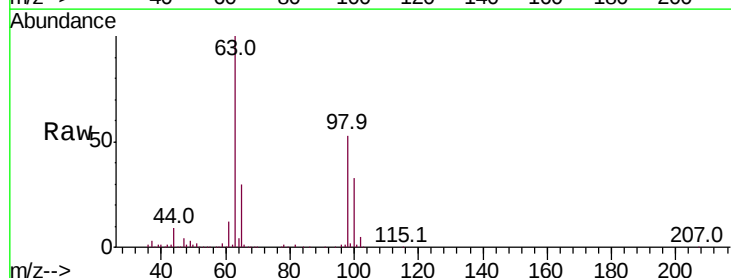
Tgt Ion: 96 Resp: 1421

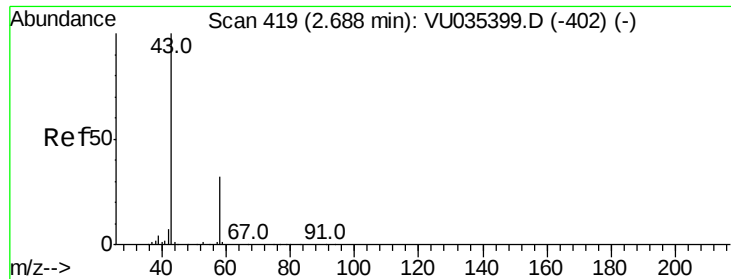
Ion Ratio Lower Upper

96 100

61 917.7 120.6 224.0#

63 7824.5 86.8 161.2#





#13

Acetone

Concen: 1.031 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.00 min

Lab File: VU035404.D

Acq: 23 Oct 2019 12:34

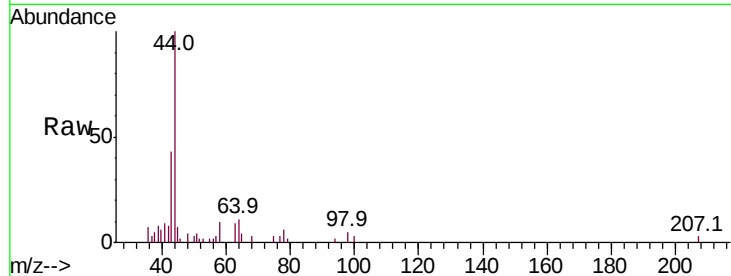
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 2914

Ion Ratio Lower Upper

43 100

58 35.7 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU035399.D (-402) (-)

Ion 58.05 (57.75 to 58.75): VU035399.D (-402) (-)

2.67

2500

2000

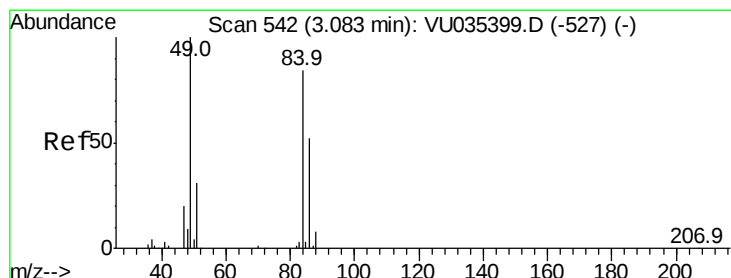
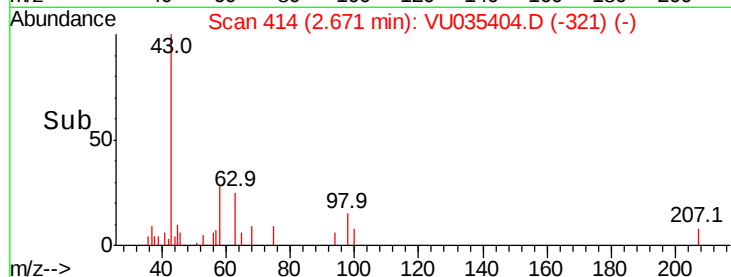
1500

1000

500

0

Time--> 2.60 2.65 2.70



#16

Methylene chloride

Concen: 0.068 ug/L

RT: 3.08 min Scan# 540

Delta R.T. -0.01 min

Lab File: VU035404.D

Acq: 23 Oct 2019 12:34

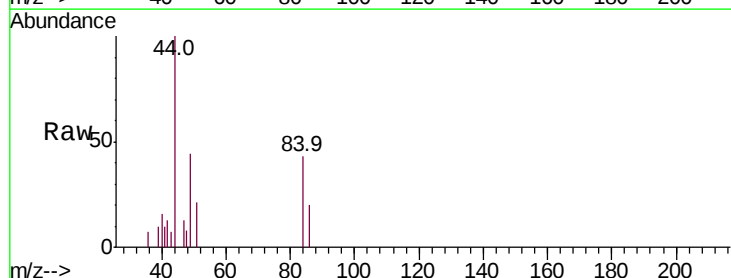
Tgt Ion: 84 Resp: 1226

Ion Ratio Lower Upper

84 100

86 46.5 45.4 84.2

49 102.9 86.8 161.2



Abundance Ion 84.05 (83.75 to 84.75): VU035399.D (-527) (-)

Ion 86.00 (85.70 to 86.70): VU035399.D (-527) (-)

Ion 49.10 (48.80 to 49.80): VU035399.D (-527) (-)

1000

800

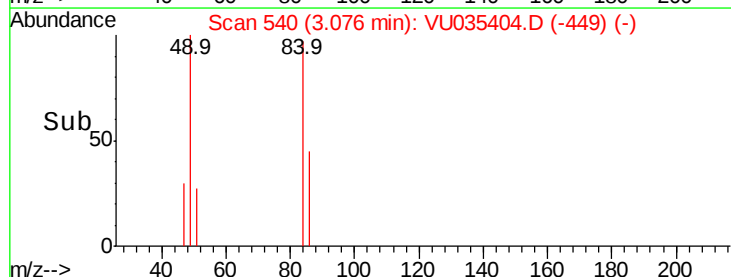
600

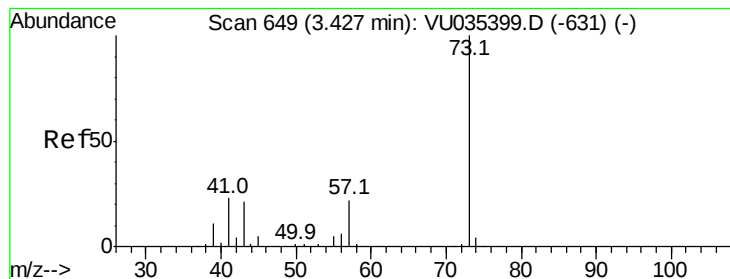
400

200

0

Time--> 3.05 3.10



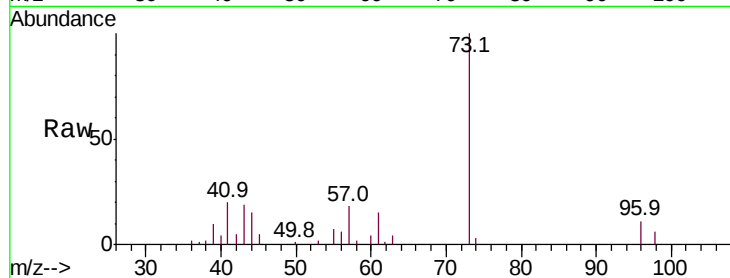


#17

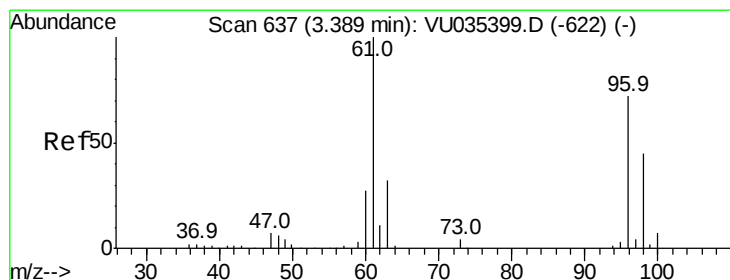
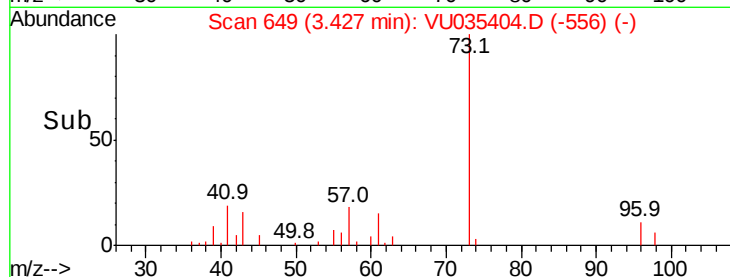
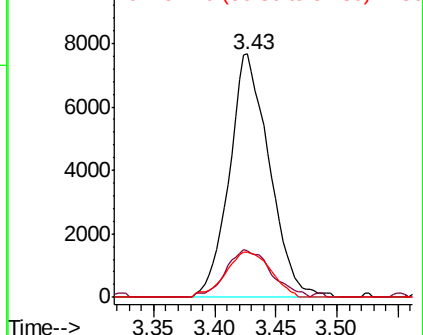
Methvl tert-butvl Ether
 Concen: 0.435 ug/L
 RT: 3.43 min Scan# 649
 Delta R.T. 0.00 min
 Lab File: VU035404.D
 Acq: 23 Oct 2019 12:34

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 73 Resp: 17460
 Ion Ratio Lower Upper
 73 100
 43 22.2 16.0 24.0
 57 21.0 17.4 26.2



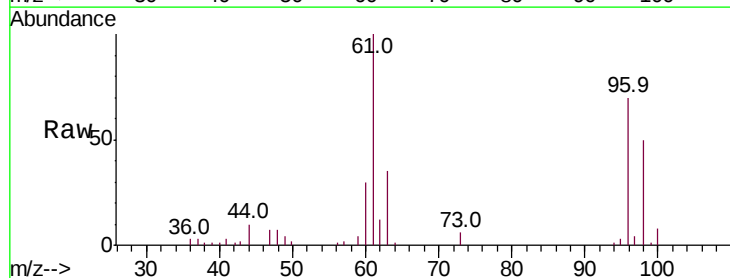
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



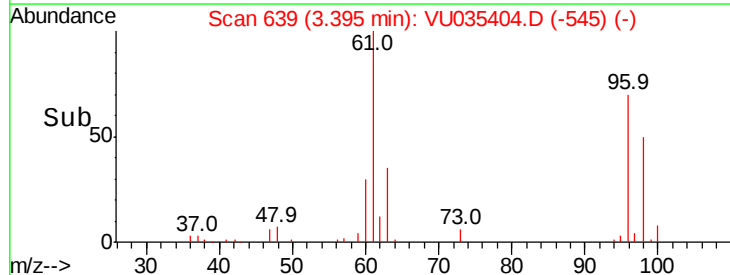
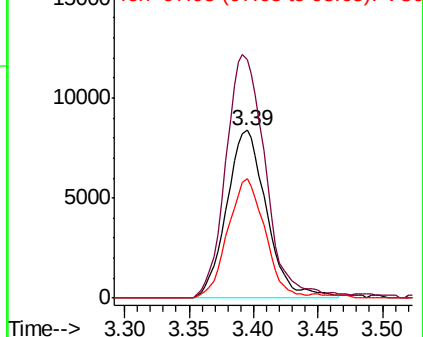
#18

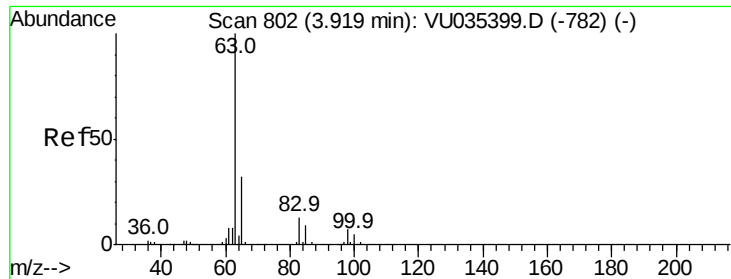
trans-1,2-Dichloroethene
 Concen: 1.126 ug/L
 RT: 3.39 min Scan# 639
 Delta R.T. 0.00 min
 Lab File: VU035404.D
 Acq: 23 Oct 2019 12:34

Tgt Ion: 96 Resp: 18104
 Ion Ratio Lower Upper
 96 100
 61 142.1 93.0 172.6
 98 71.3 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 0.160 ug/L

RT: 3.92 min Scan# 801

Delta R.T. -0.00 min

Lab File: VU035404.D

Acq: 23 Oct 2019 12:34

Instrument :

MSVOA_U

ClientSampleId :

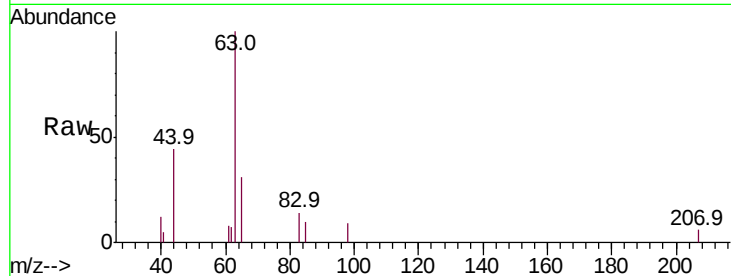
Tot Ion: 63 Resp: 4652

Ion Ratio Lower Upper

63 100

65 31.3 22.4 41.6

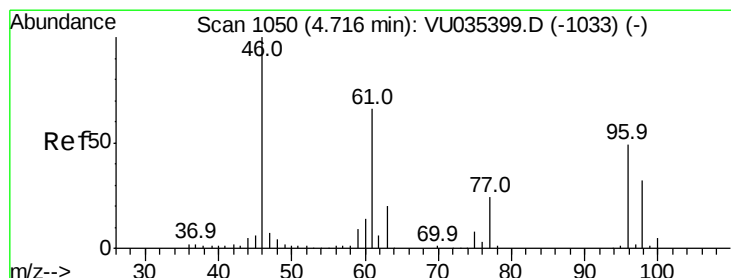
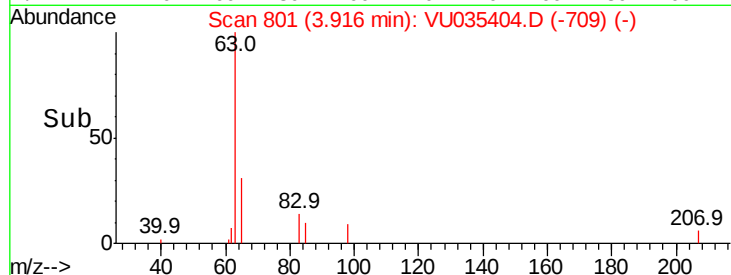
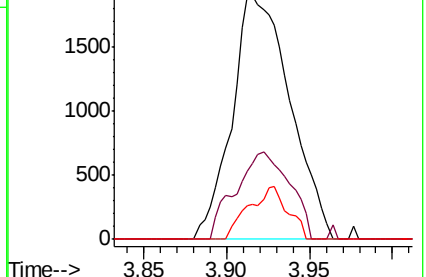
83 14.3 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU035399.D (-782) (-)

Ion 65.10 (64.80 to 65.80): VU035399.D (-782) (-)

Ion 83.05 (82.75 to 83.75): VU035399.D (-782) (-)



#22

cis-1,2-Dichloroethene

Concen: 1.659 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035404.D

Acq: 23 Oct 2019 12:34

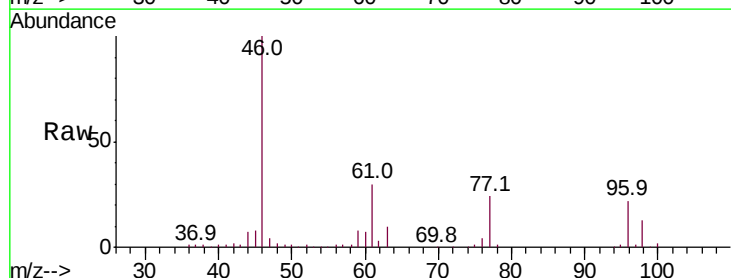
Tgt Ion: 96 Resp: 29485

Ion Ratio Lower Upper

96 100

61 136.7 89.7 166.5

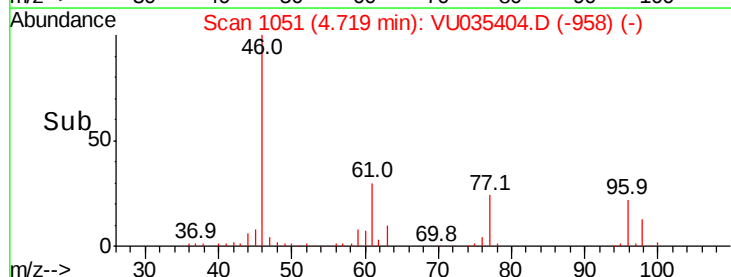
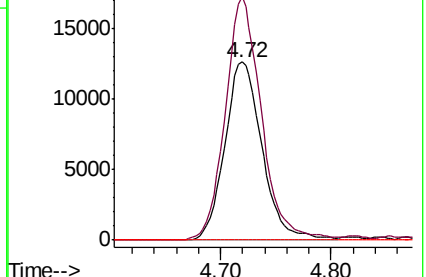
68 0.0 0.0 0.0

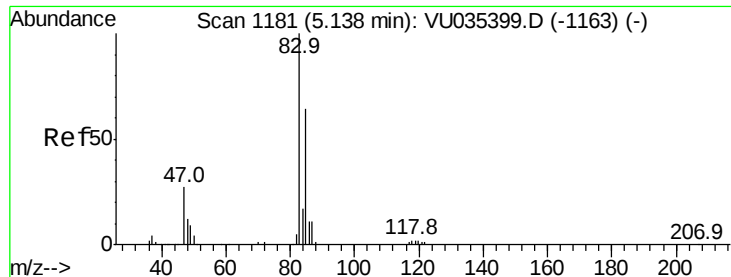


Abundance Ion 96.00 (95.70 to 96.70): VU035399.D (-1033) (-)

Ion 61.05 (60.75 to 61.75): VU035399.D (-1033) (-)

Ion 68.15 (67.85 to 68.85): VU035399.D (-1033) (-)

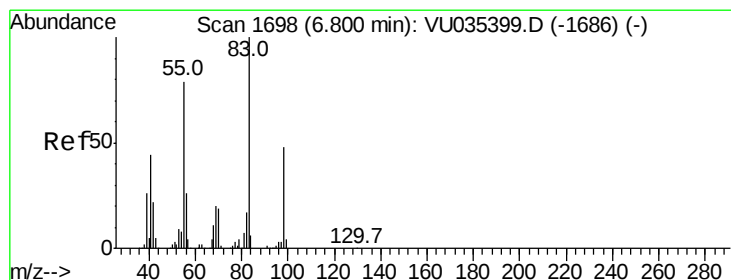
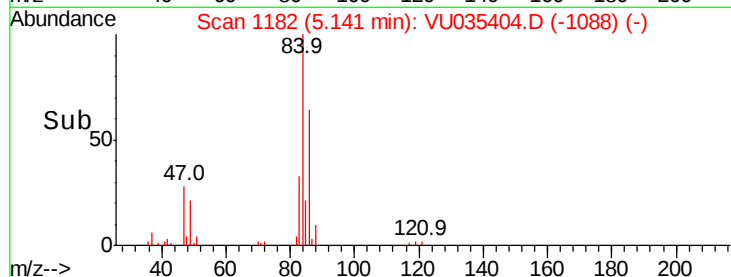
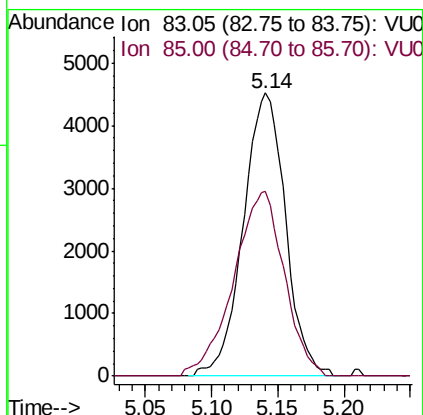
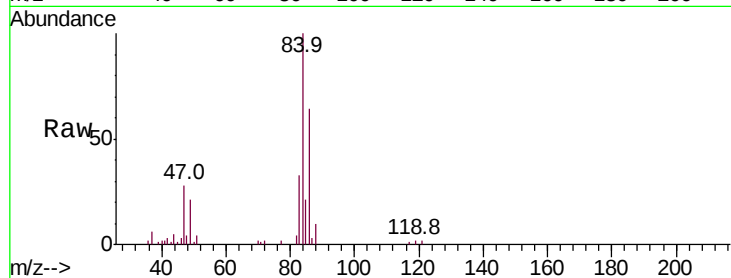




#25
Chloroform
Concen: 0.314 ug/L
RT: 5.14 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU035404.D
Acq: 23 Oct 2019 12:34

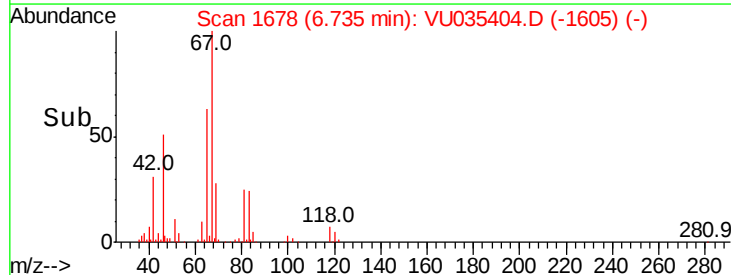
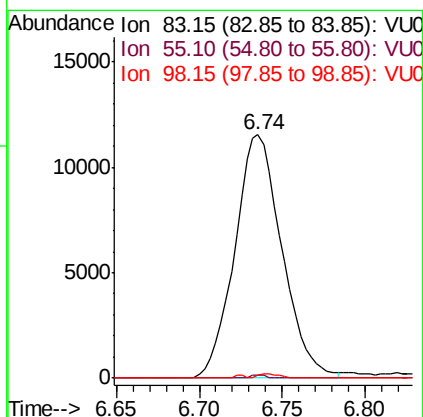
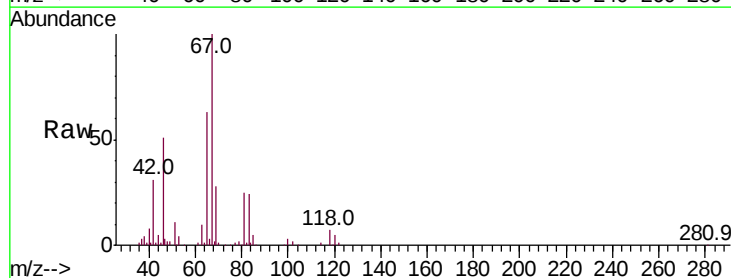
Instrument :
MSVOA_U
ClientSampleId :

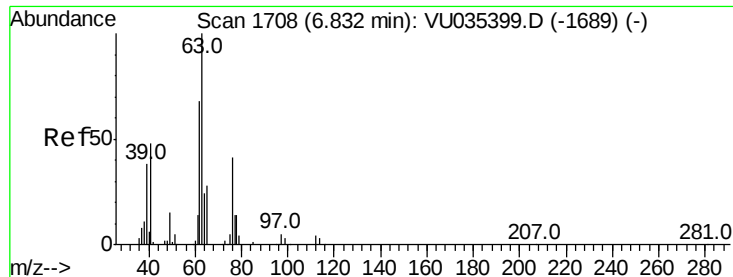
Tot Ion: 83 Resp: 10025
Ion Ratio Lower Upper
83 100
85 65.2 45.1 83.9



#35
Methylcyclohexane
Concen: 0.732 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.06 min
Lab File: VU035404.D
Acq: 23 Oct 2019 12:34

Tgt Ion: 83 Resp: 22788
Ion Ratio Lower Upper
83 100
55 0.3 60.4 90.6#
98 0.8 39.5 59.3#





#37

1,2-Dichloropropane

Concen: 0.625 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.10 min

Lab File: VU035404.D

Acq: 23 Oct 2019 12:34

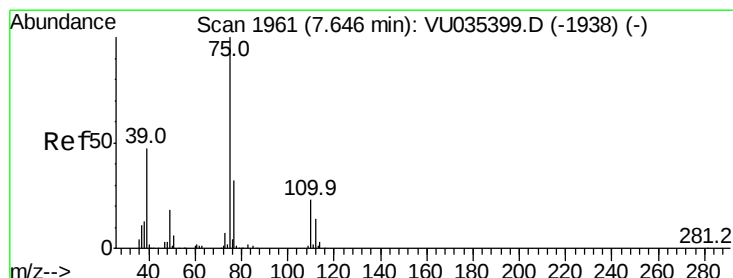
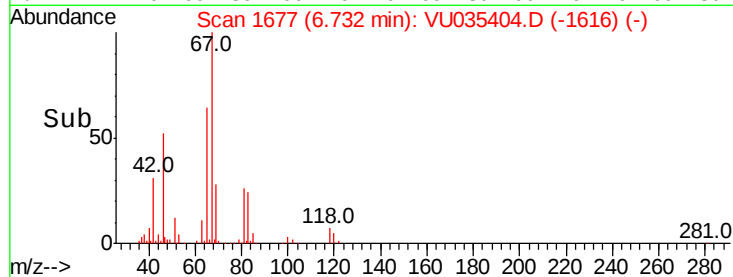
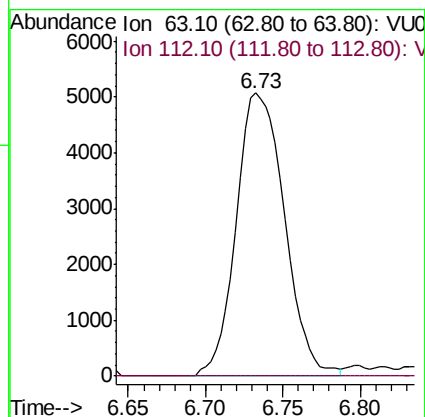
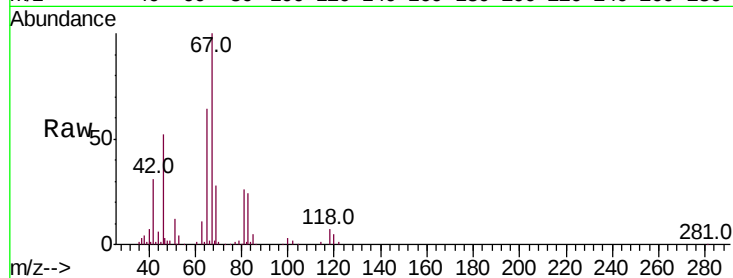
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 63 Resp: 10982

Ion Ratio Lower Upper

63 100

112 0.0 3.7 5.5#



#39

cis-1,3-Dichloropropene

Concen: 0.084 ug/L

RT: 7.60 min Scan# 1947

Delta R.T. -0.04 min

Lab File: VU035404.D

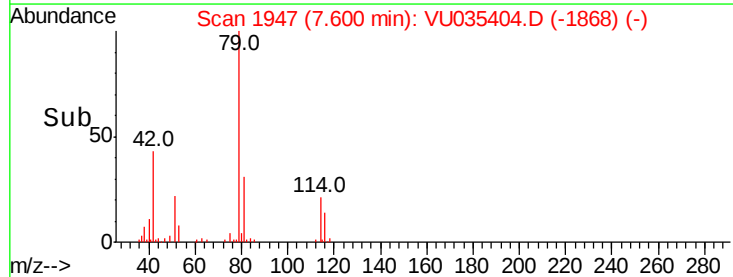
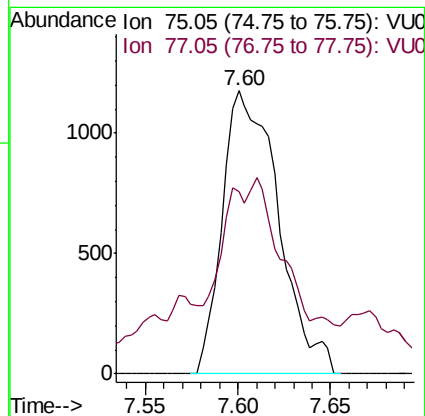
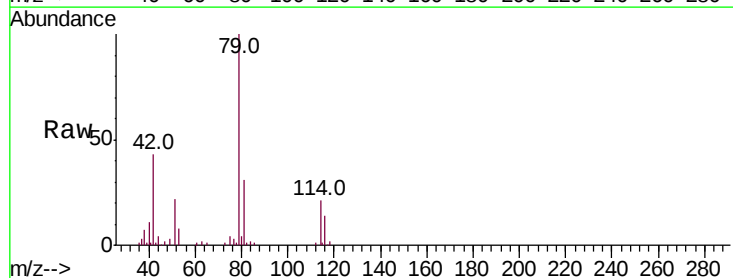
Acq: 23 Oct 2019 12:34

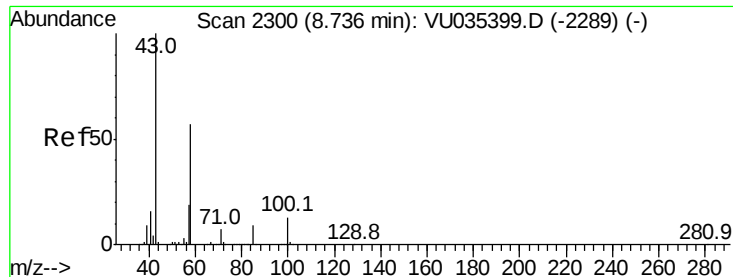
Tgt Ion: 75 Resp: 2468

Ion Ratio Lower Upper

75 100

77 64.4 22.7 42.1#

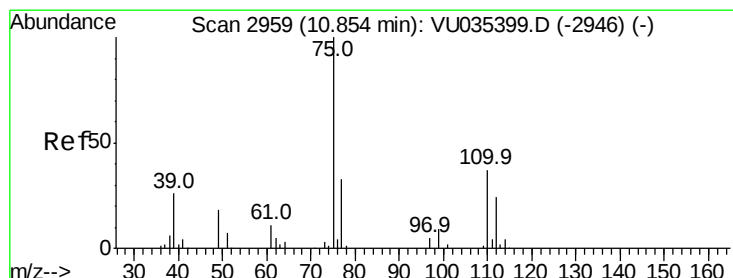
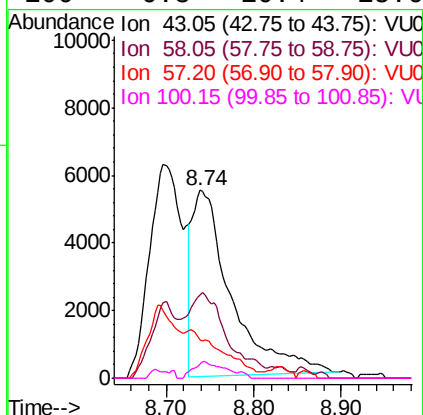
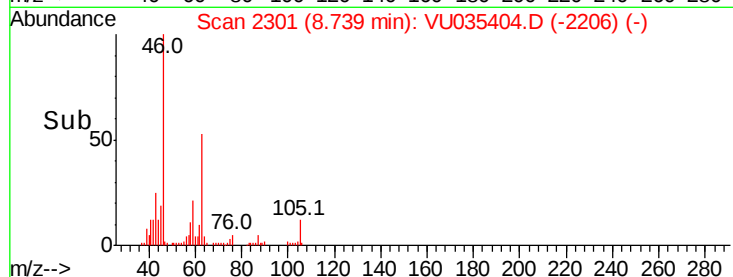
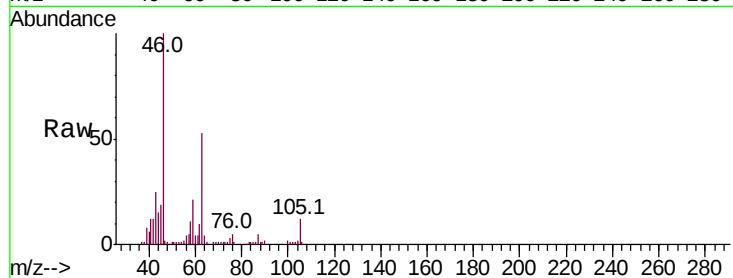




#48
2-Hexanone
Concen: 2.051 ug/L
RT: 8.74 min Scan# 2301
Delta R.T. 0.01 min
Lab File: VU035404.D
Acq: 23 Oct 2019 12:34

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 17073
Ion Ratio Lower Upper
43 100
58 36.6 45.1 67.7#
57 3.2 16.0 24.0#
100 6.8 10.4 15.6#



#59
1,2,3-Trichloropropane
Concen: 0.800 ug/L
RT: 11.84 min Scan# 3267
Delta R.T. 0.99 min
Lab File: VU035404.D
Acq: 23 Oct 2019 12:34

Tgt Ion: 75 Resp: 9804
Ion Ratio Lower Upper
75 100
77 37.5 26.2 39.2

