

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102219\
 Data File : VU035380.D
 Acq On : 22 Oct 2019 22:06
 Operator : JC/SP
 Sample : K5461-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 23 08:06:53 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	247753	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	248075	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	82310	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	111500	7.38	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	147.60%#
7) Chloroethane-d5	1.93	69	99897	7.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	144.60%#
11) 1,1-Dichloroethene-d2	2.59	63	148201	5.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	106.20%
20) 2-Butanone-d5	4.70	46	236227	54.41	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.82%
24) Chloroform-d	5.11	84	175855	6.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	127.40%#
26) 1,2-Dichloroethane-d4	5.75	65	97990	6.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	128.20%
32) Benzene-d6	5.77	84	355099	6.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	125.20%#
36) 1,2-Dichloropropane-d6	6.74	67	115629	6.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	128.40%
41) Toluene-d8	7.93	98	304618	5.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.20%
43) trans-1,3-Dichloropropene-	8.22	79	39623	4.53	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.60%
46) 2-Hexanone-d5	8.69	63	157380	40.82	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.64%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	94264	5.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	117.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	92531	6.17	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	123.40%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	77829	3.623	ug/L	92
8) Chloroethane	1.96	64	1063	0.077	ug/L #	60
12) 1,1-Dichloroethene	2.61	96	1590	0.100	ug/L #	1
13) Acetone	2.67	43	3004	0.995	ug/L	88
15) Methyl Acetate	3.01	43	1323	0.176	ug/L	91
16) Methylene chloride	3.08	84	2981	0.156	ug/L	90
17) Methyl tert-butyl Ether	3.43	73	17608	0.411	ug/L	95
18) trans-1,2-Dichloroethene	3.40	96	18572	1.081	ug/L	88
19) 1,1-Dichloroethane	3.92	63	5141	0.165	ug/L	94
22) cis-1,2-Dichloroethene	4.72	96	32424	1.708	ug/L	98
35) Methylcyclohexane	6.74	83	27290	0.832	ug/L #	19
37) 1,2-Dichloropropane	6.74	63	12750	0.688	ug/L #	86
39) cis-1,3-Dichloropropene	7.60	75	2404	0.078	ug/L #	34
48) 2-Hexanone	8.74	43	11292	1.287	ug/L #	95
59) 1,2,3-Trichloropropane	11.85	75	10089	0.781	ug/L #	87

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 23 08:02:08 2019
Response via : Initial Calibration

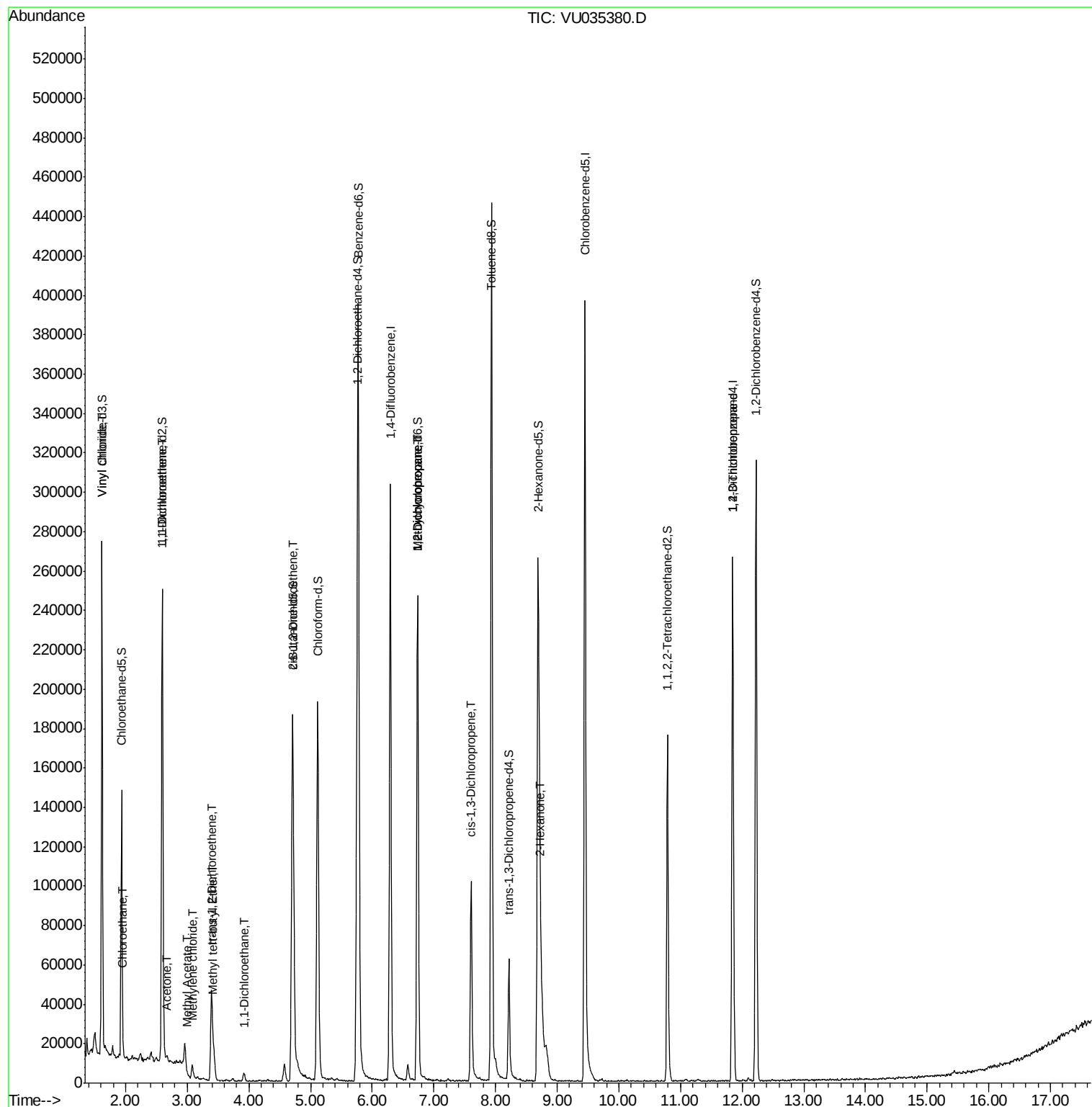
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

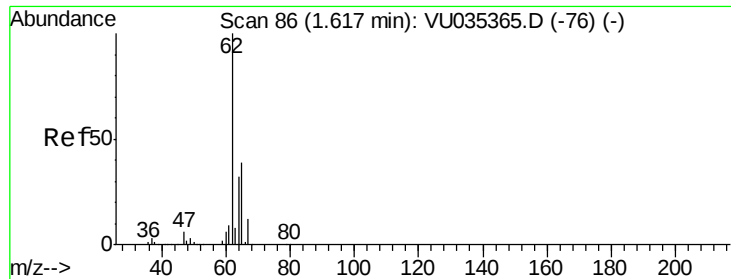
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#5

Vinyl chloride

Concen: 3.623 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035380.D

Acq: 22 Oct 2019 22:06

Instrument :

MSVOA_U

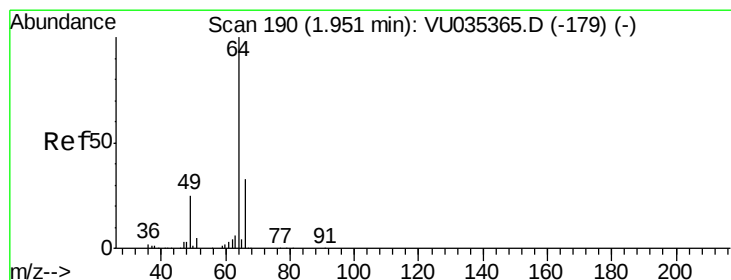
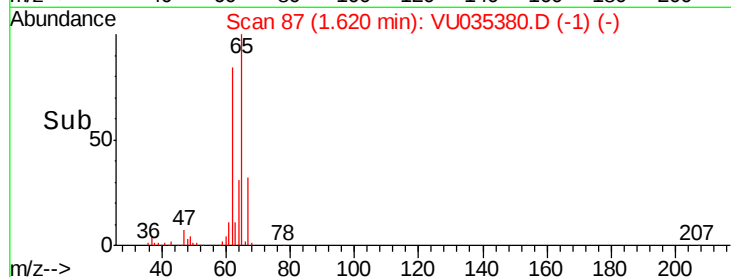
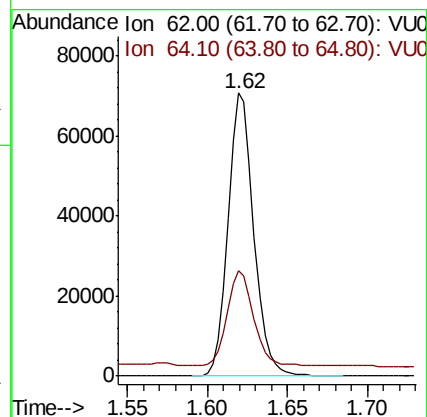
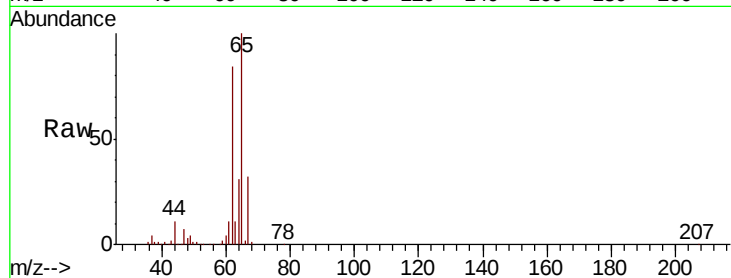
ClientSampleId :

Tot Ion: 62 Resp: 77829

Ion Ratio Lower Upper

62 100

64 37.3 22.9 42.5



#8

Chloroethane

Concen: 0.077 ug/L

RT: 1.96 min Scan# 193

Delta R.T. 0.01 min

Lab File: VU035380.D

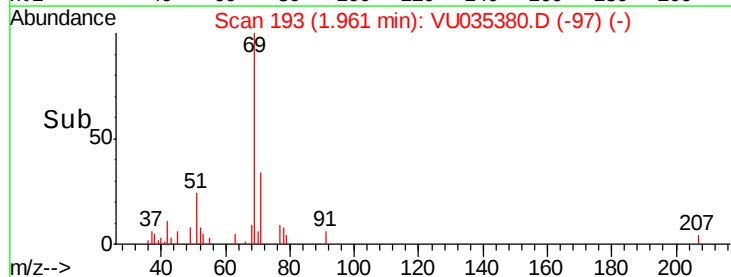
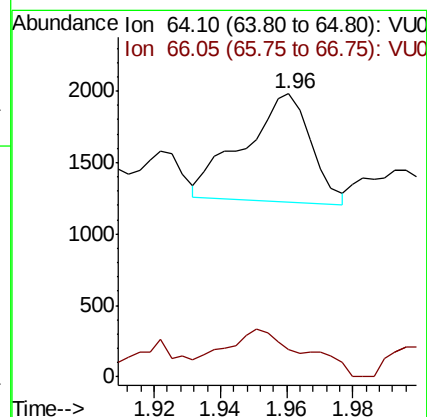
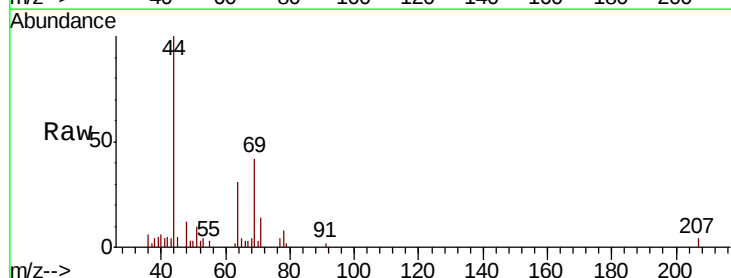
Acq: 22 Oct 2019 22:06

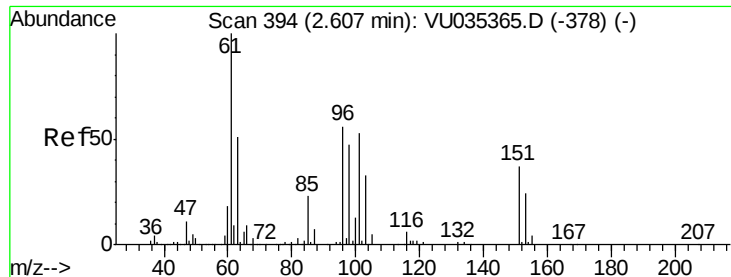
Tgt Ion: 64 Resp: 1063

Ion Ratio Lower Upper

64 100

66 9.8 22.7 42.1#





#12

1,1-Dichloroethene

Concen: 0.100 ug/L

RT: 2.61 min Scan# 394

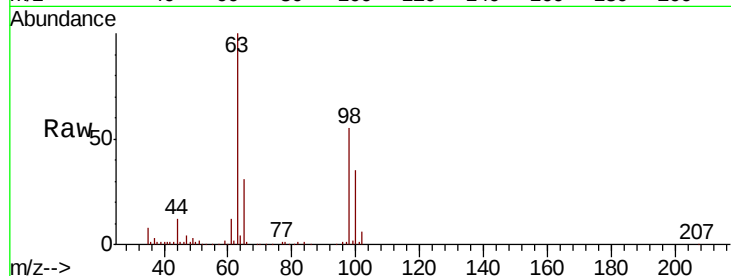
Delta R.T. -0.00 min

Lab File: VU035380.D

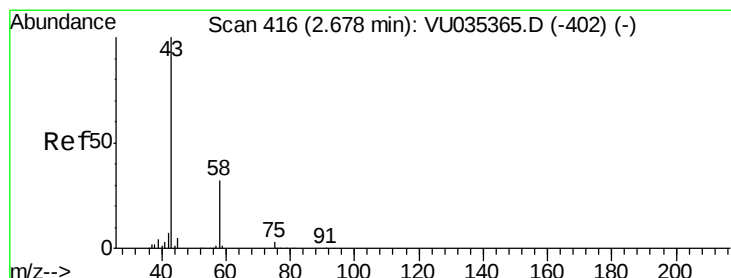
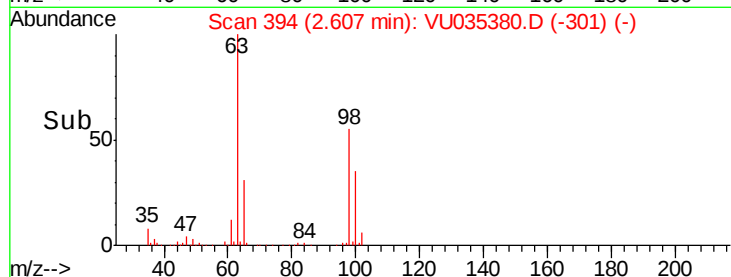
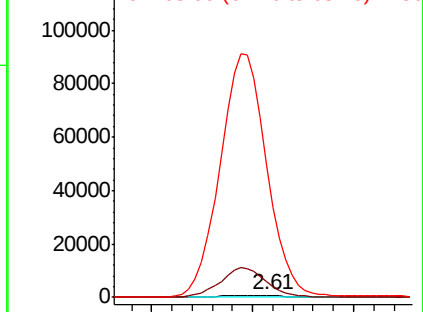
Acq: 22 Oct 2019 22:06

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 1590
Ion Ratio Lower Upper
96 100
61 817.4 120.6 224.0#
63 6698.7 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: 0.995 ug/L

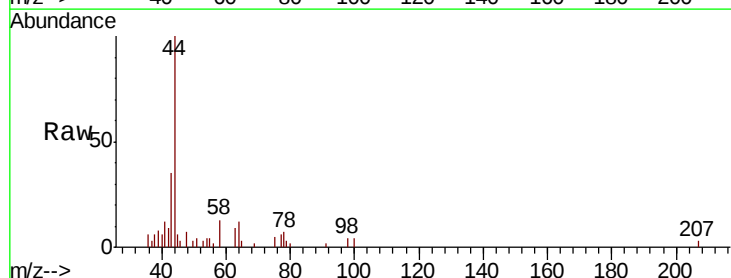
RT: 2.67 min Scan# 415

Delta R.T. -0.00 min

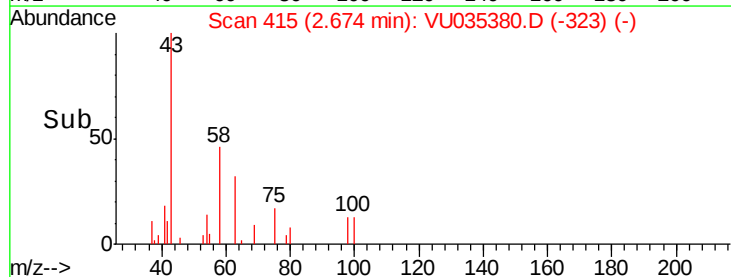
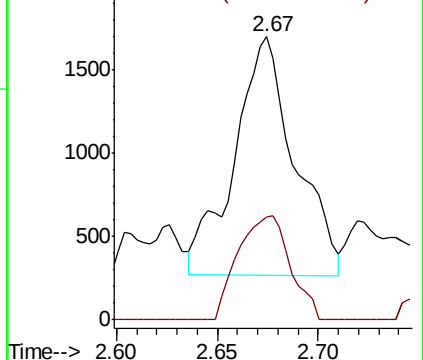
Lab File: VU035380.D

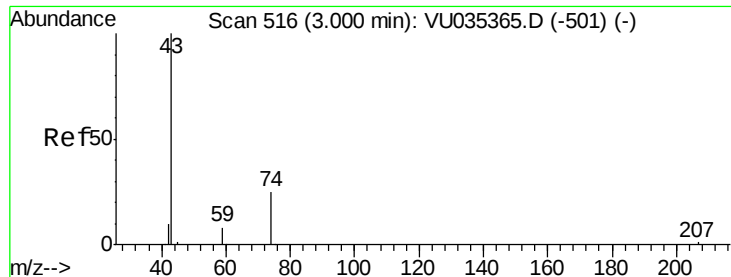
Acq: 22 Oct 2019 22:06

Tgt Ion: 43 Resp: 3004
Ion Ratio Lower Upper
43 100
58 37.6 0.0 61.8



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

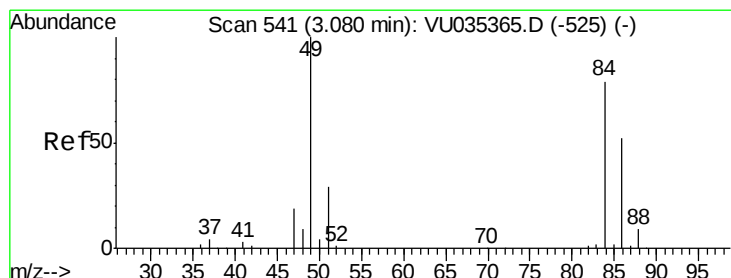
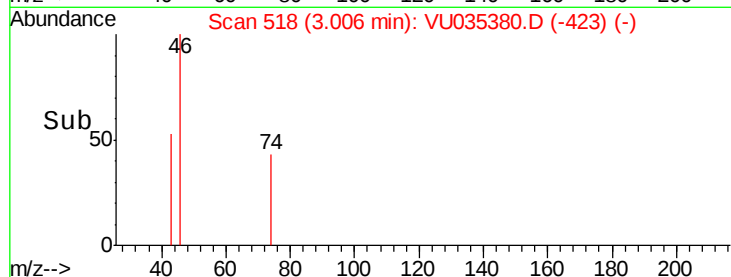
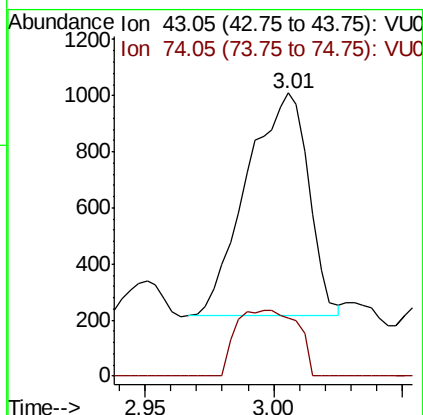
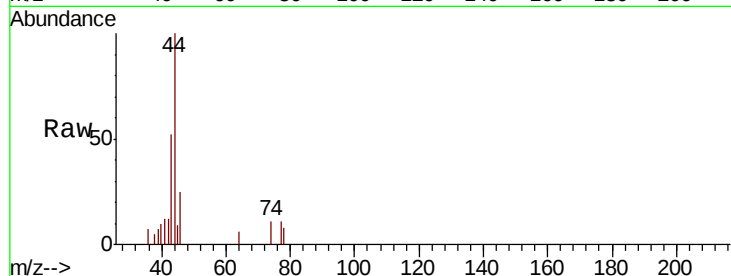




#15
Methvl Acetate
Concen: 0.176 ug/L
RT: 3.01 min Scan# 518
Delta R.T. 0.01 min
Lab File: VU035380.D
Acq: 22 Oct 2019 22:06

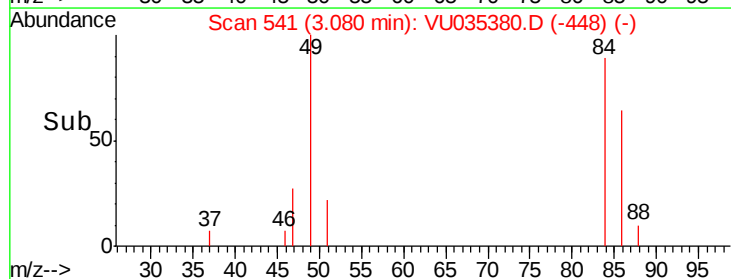
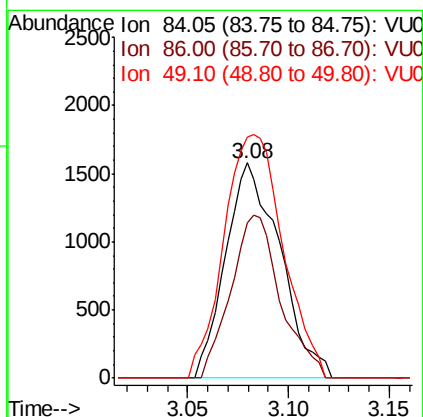
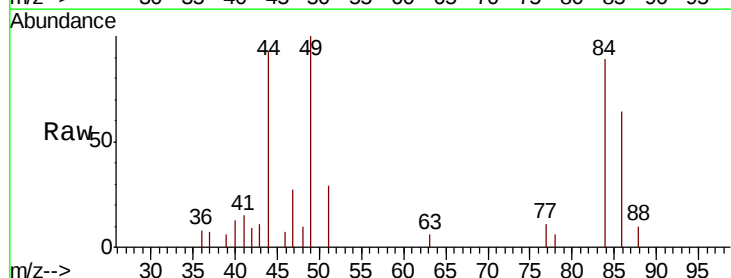
Instrument :
MSVOA_U
ClientSampled :

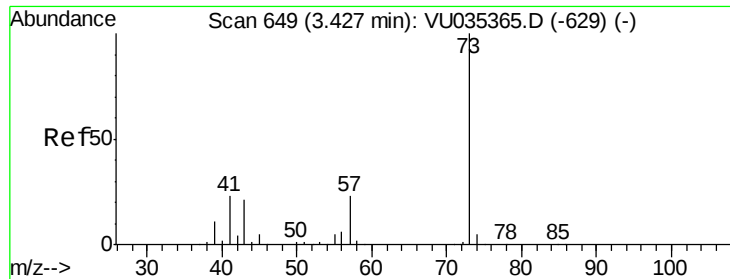
Tot Ion: 43 Resp: 1323
Ion Ratio Lower Upper
43 100
74 29.7 20.3 30.5



#16
Methylene chloride
Concen: 0.156 ug/L
RT: 3.08 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU035380.D
Acq: 22 Oct 2019 22:06

Tgt Ion: 84 Resp: 2981
Ion Ratio Lower Upper
84 100
86 72.0 45.4 84.2
49 111.8 86.8 161.2

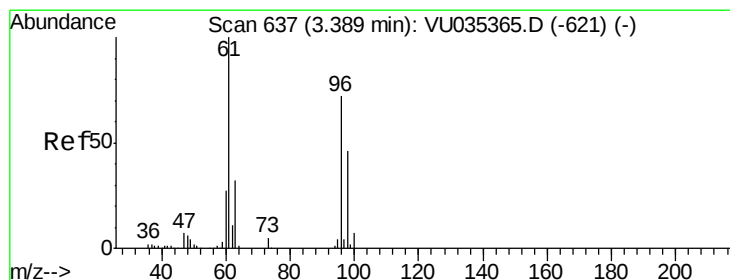
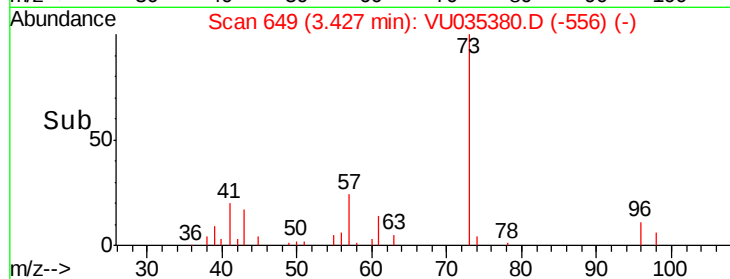
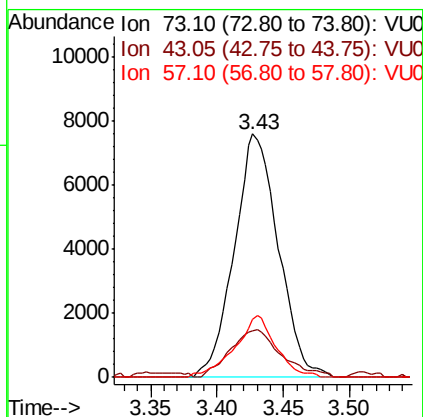
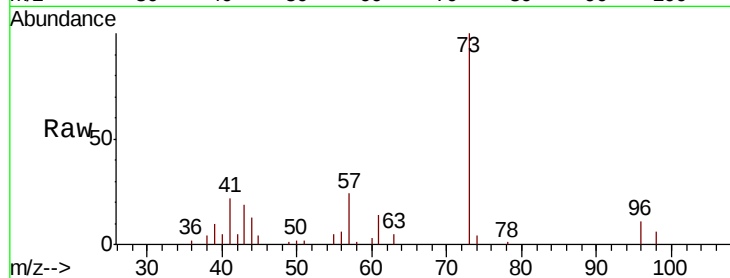




#17
Methvl tert-butvl Ether
Concen: 0.411 ug/L
RT: 3.43 min Scan# 649
Delta R.T. -0.00 min
Lab File: VU035380.D
Acq: 22 Oct 2019 22:06

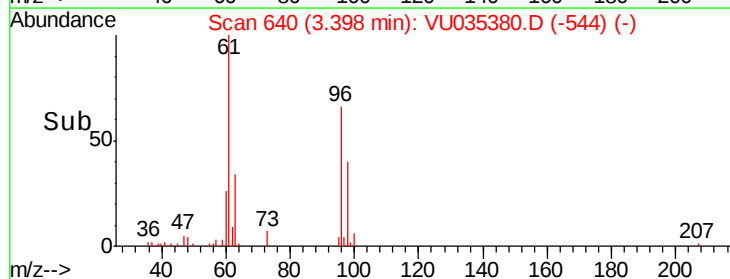
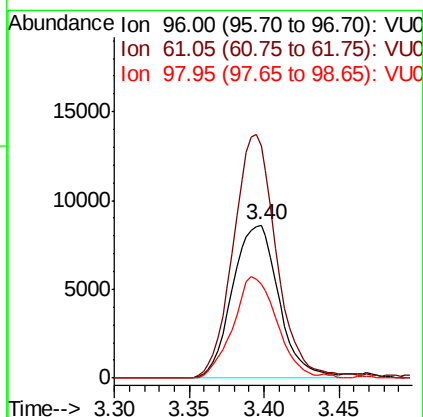
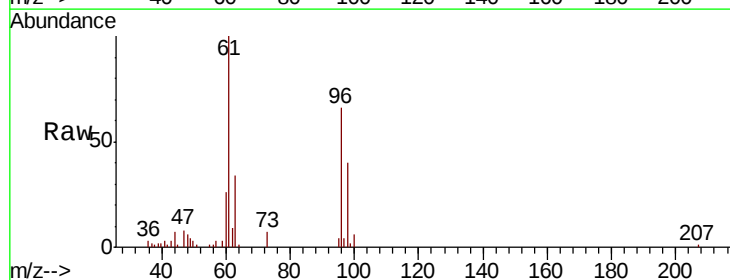
Instrument :
MSVOA_U
ClientSampleId :

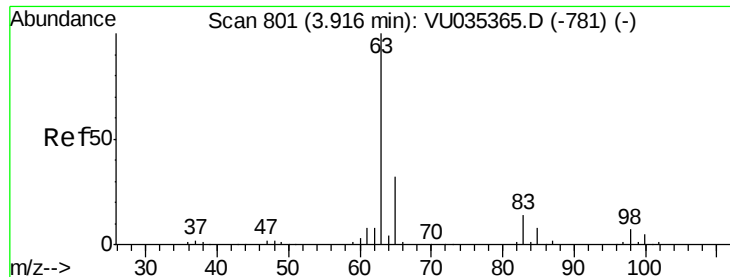
Tot Ion: 73 Resp: 17608
Ion Ratio Lower Upper
73 100
43 22.7 16.0 24.0
57 23.5 17.4 26.2



#18
trans-1,2-Dichloroethene
Concen: 1.081 ug/L
RT: 3.40 min Scan# 640
Delta R.T. 0.01 min
Lab File: VU035380.D
Acq: 22 Oct 2019 22:06

Tgt Ion: 96 Resp: 18572
Ion Ratio Lower Upper
96 100
61 152.0 93.0 172.6
98 61.2 43.7 81.1

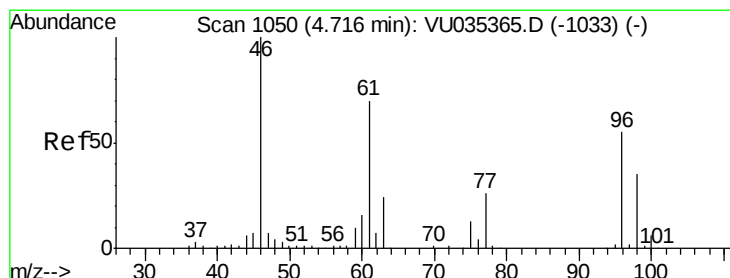
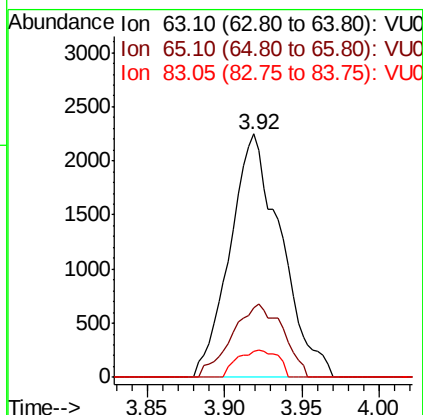
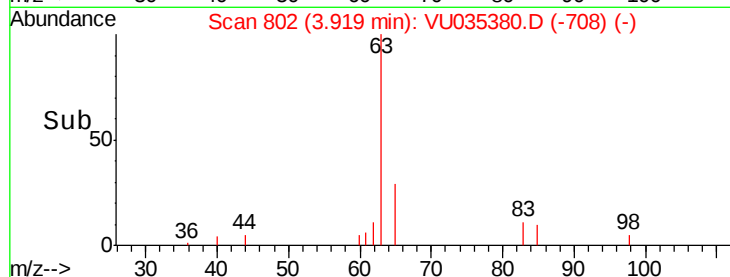
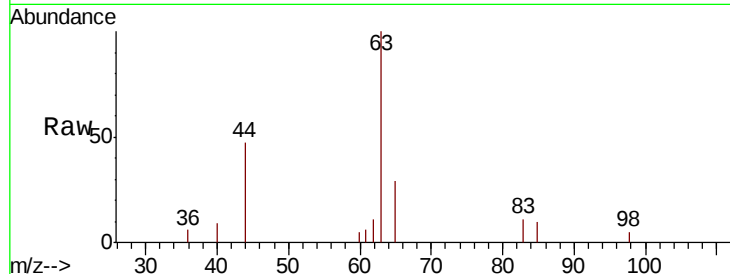




#19
 1,1-Dichloroethane
 Concen: 0.165 ug/L
 RT: 3.92 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: VU035380.D
 Acq: 22 Oct 2019 22:06

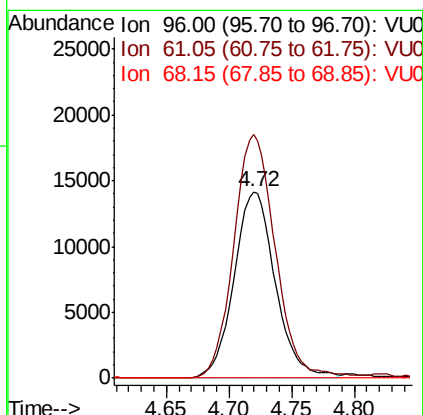
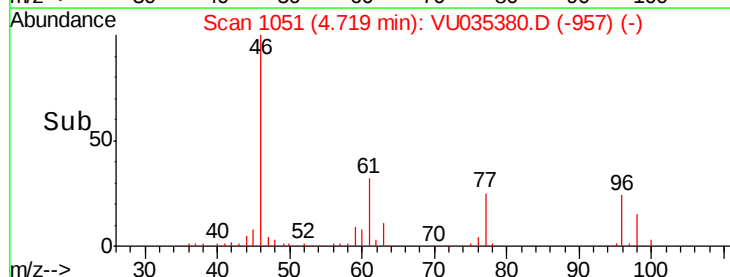
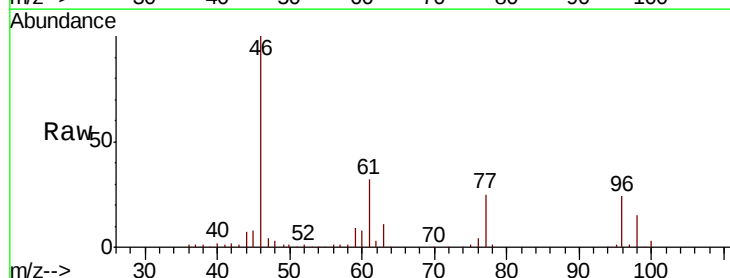
Instrument :
 MSVOA_U
 ClientSampleId :

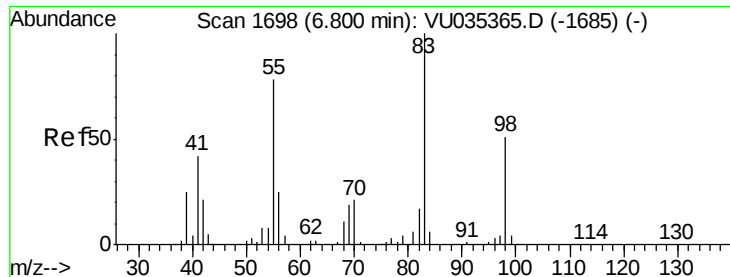
Tot Ion: 63 Resp: 5141
 Ion Ratio Lower Upper
 63 100
 65 28.8 22.4 41.6
 83 10.7 9.3 17.3



#22
 cis-1,2-Dichloroethene
 Concen: 1.708 ug/L
 RT: 4.72 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VU035380.D
 Acq: 22 Oct 2019 22:06

Tgt Ion: 96 Resp: 32424
 Ion Ratio Lower Upper
 96 100
 61 130.8 89.7 166.5
 68 0.0 0.0 0.0

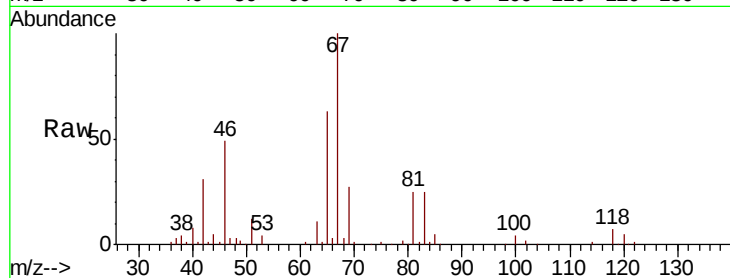




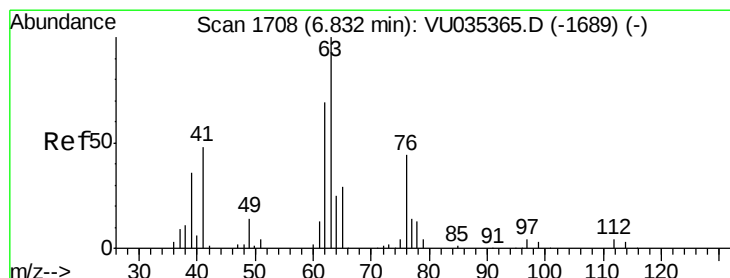
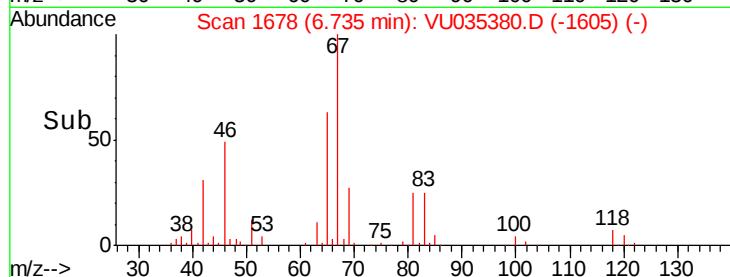
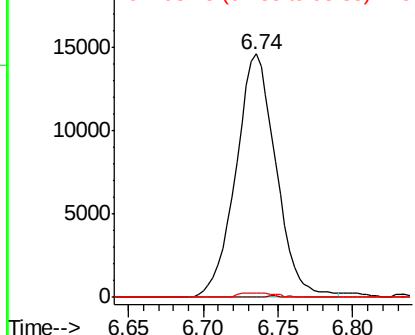
#35
Methvlcvclohexane
Concen: 0.832 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.06 min
Lab File: VU035380.D
Acq: 22 Oct 2019 22:06

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 27290
Ion Ratio Lower Upper
83 100
55 0.2 60.4 90.6#
98 1.6 39.5 59.3#

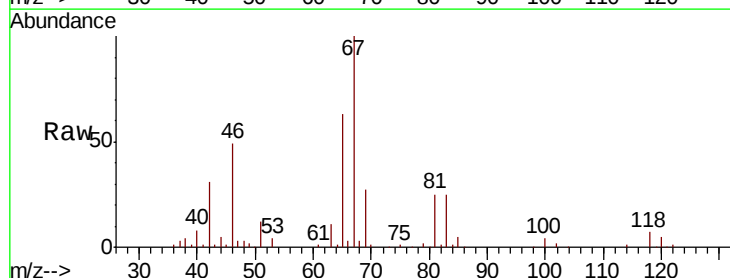


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

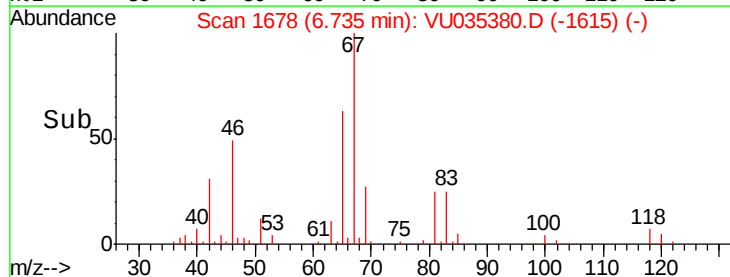
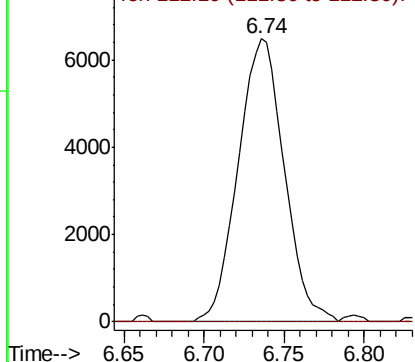


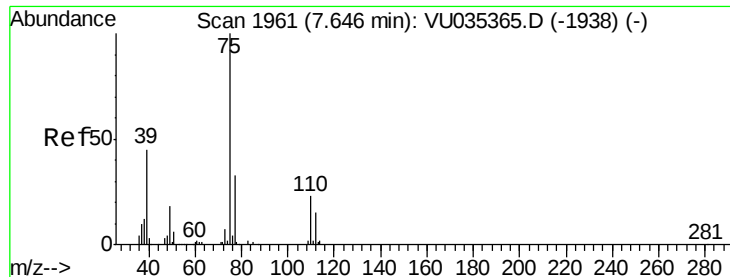
#37
1,2-Dichloropropane
Concen: 0.688 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.10 min
Lab File: VU035380.D
Acq: 22 Oct 2019 22:06

Tgt Ion: 63 Resp: 12750
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



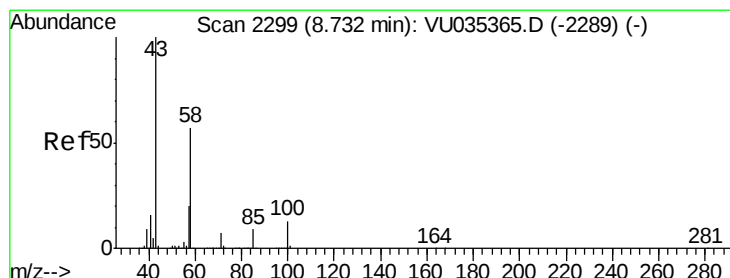
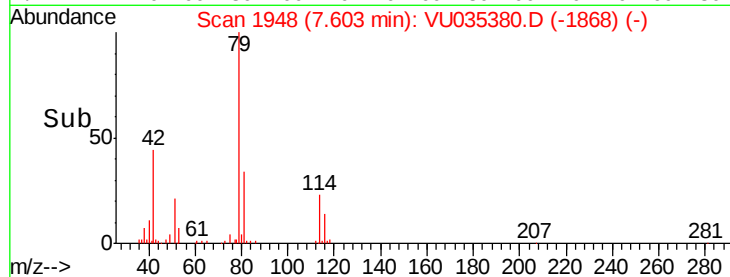
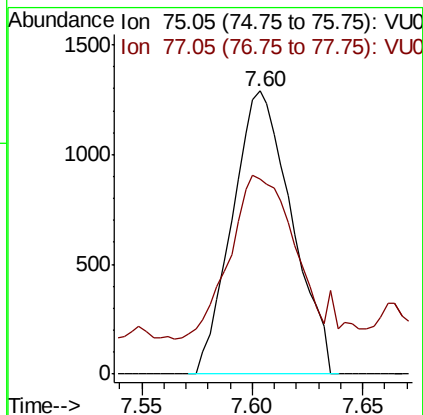
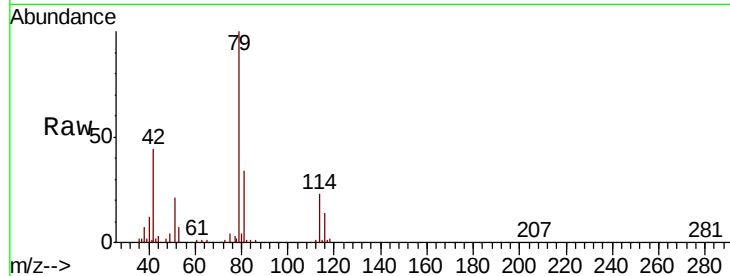


#39

cis-1,3-Dichloropropene
 Concen: 0.078 ug/L
 RT: 7.60 min Scan# 1948
 Delta R.T. -0.04 min
 Lab File: VU035380.D
 Acq: 22 Oct 2019 22:06

Instrument :
 MSVOA_U
 ClientSampled :

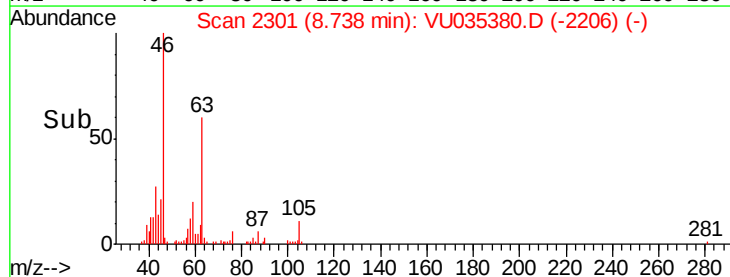
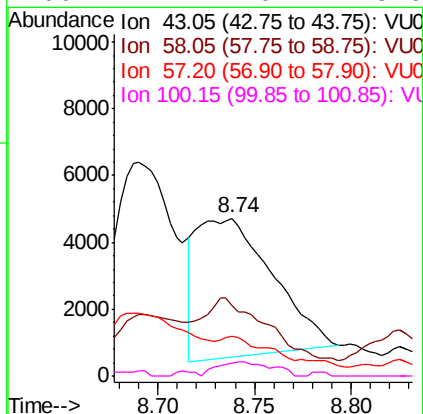
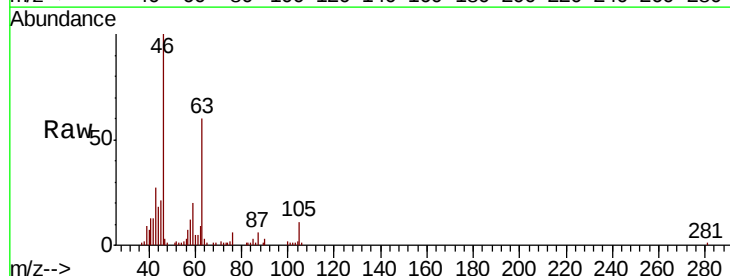
Tot Ion: 75 Resp: 2404
 Ion Ratio Lower Upper
 75 100
 77 69.1 22.7 42.1#

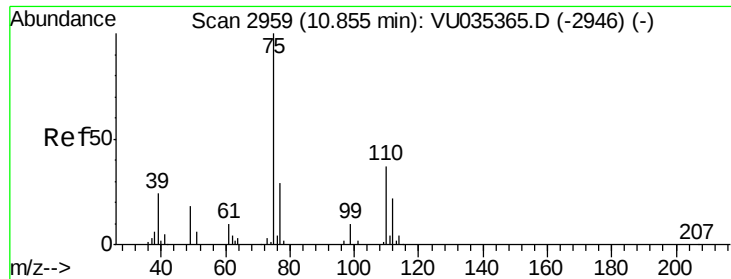


#48

2-Hexanone
 Concen: 1.287 ug/L
 RT: 8.74 min Scan# 2301
 Delta R.T. 0.01 min
 Lab File: VU035380.D
 Acq: 22 Oct 2019 22:06

Tgt Ion: 43 Resp: 11292
 Ion Ratio Lower Upper
 43 100
 58 53.7 45.1 67.7
 57 18.3 16.0 24.0
 100 7.4 10.4 15.6#





#59

1,2,3-Trichloropropane

Concen: 0.781 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. 0.99 min

Lab File: VU035380.D

Acq: 22 Oct 2019 22:06

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 10089

Ion Ratio Lower Upper

75 100

77 39.8 26.2 39.2#

