

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102219\
 Data File : VU035382.D
 Acq On : 22 Oct 2019 22:56
 Operator : JC/SP
 Sample : K5461-06
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 23 08:07:12 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	229855	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	231411	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	88739	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	112433	8.02	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	160.40%#
7) Chloroethane-d5	1.93	69	98224	7.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	153.40%#
11) 1,1-Dichloroethene-d2	2.59	63	143115	5.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	110.40%
20) 2-Butanone-d5	4.71	46	254870	63.28	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	126.56%
24) Chloroform-d	5.11	84	171594	6.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	134.00%#
26) 1,2-Dichloroethane-d4	5.75	65	97439	6.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	137.40%#
32) Benzene-d6	5.77	84	354727	6.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	134.00%#
36) 1,2-Dichloropropane-d6	6.74	67	116175	6.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	138.20%
41) Toluene-d8	7.93	98	298035	5.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	117.80%
43) trans-1,3-Dichloropropene-	8.22	79	38799	4.76	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.20%
46) 2-Hexanone-d5	8.68	63	187426	52.12	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.24%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	94731	6.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	126.60%#
64) 1,2-Dichlorobenzene-d4	12.22	152	102098	6.32	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	126.40%#

Target Compounds

					Ovalue
5) Vinyl chloride	1.62	62	184825	9.274 ug/L	99
12) 1,1-Dichloroethene	2.59	96	1774	0.120 ug/L #	1
13) Acetone	2.68	43	8643	3.085 ug/L	86
16) Methylene chloride	3.09	84	1672	0.094 ug/L	80
17) Methyl tert-butyl Ether	3.43	73	331169	8.333 ug/L	98
18) trans-1,2-Dichloroethene	3.40	96	8319	0.522 ug/L	95
19) 1,1-Dichloroethane	3.92	63	8959	0.311 ug/L	88
22) cis-1,2-Dichloroethene	4.72	96	70920	4.026 ug/L	95
25) Chloroform	5.14	83	7000	0.221 ug/L	94
33) Benzene	5.82	78	9024	0.133 ug/L	100
34) Trichloroethene	6.58	95	4193	0.229 ug/L	95
35) Methylcyclohexane	6.74	83	27239	0.890 ug/L #	19
37) 1,2-Dichloropropane	6.73	63	12201	0.706 ug/L #	87
39) cis-1,3-Dichloropropene	7.61	75	2787	0.096 ug/L #	77
48) 2-Hexanone	8.74	43	10115	1.236 ug/L #	92
59) 1,2,3-Trichloropropane	11.84	75	11360	0.943 ug/L	94

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Instrument :
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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

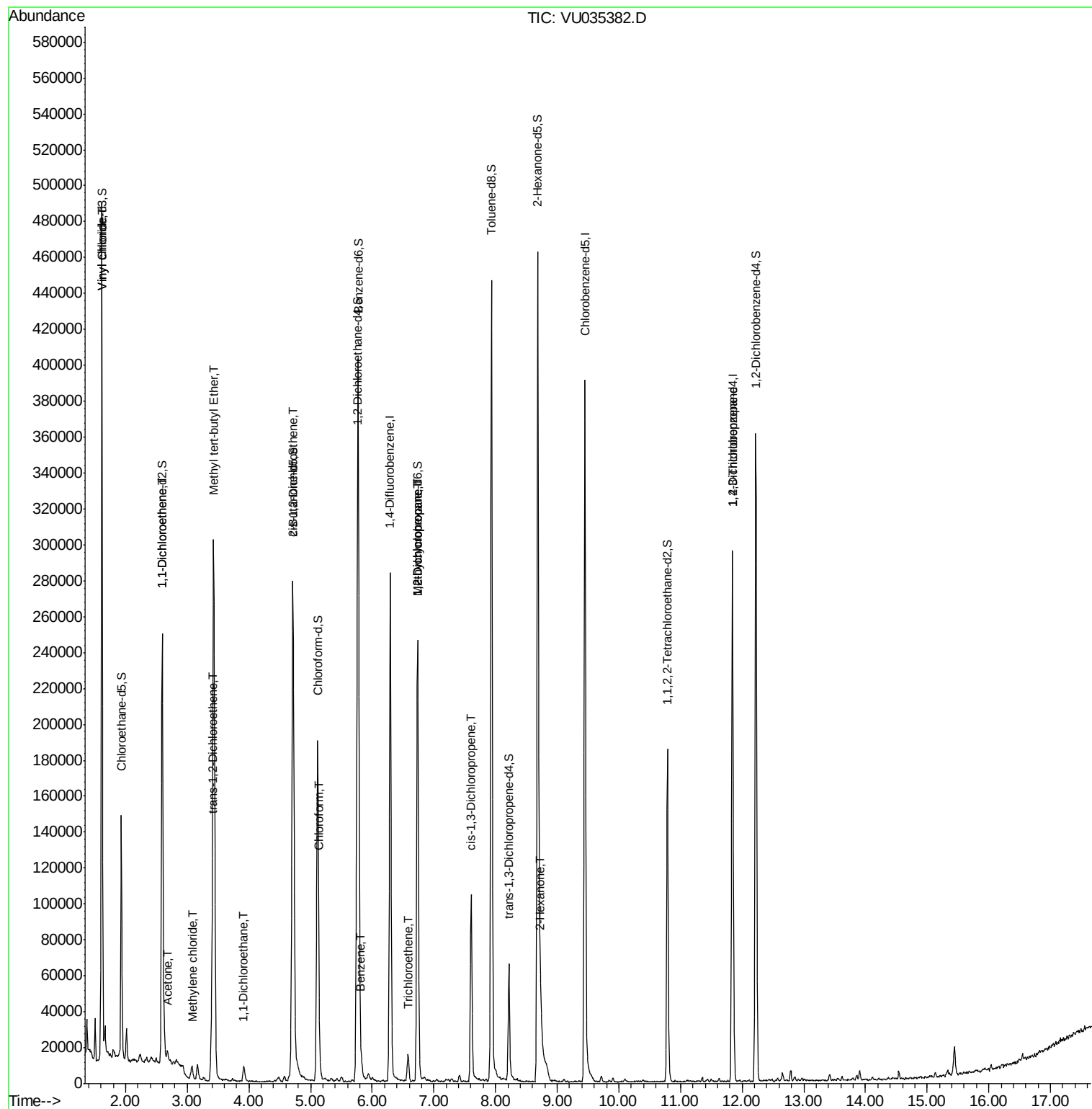
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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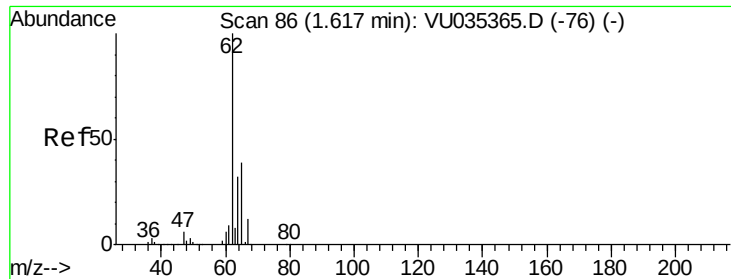
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 9.274 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU035382.D

Acq: 22 Oct 2019 22:56

Instrument :

MSVOA_U

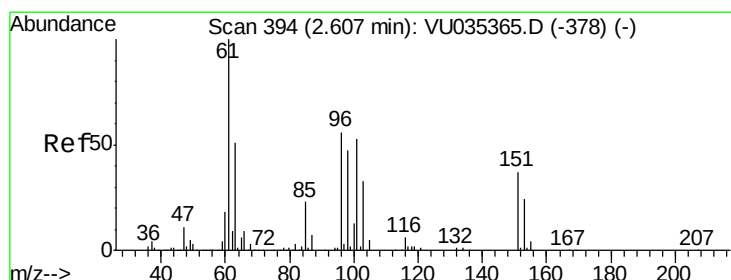
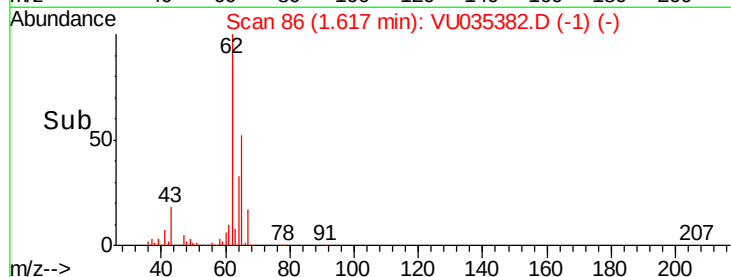
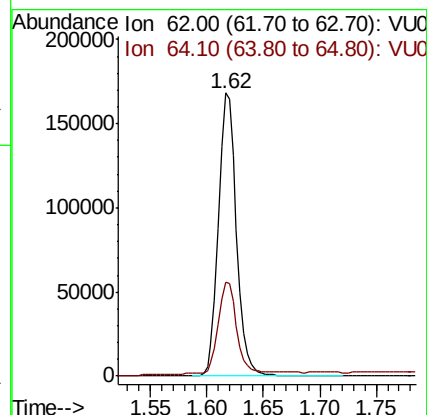
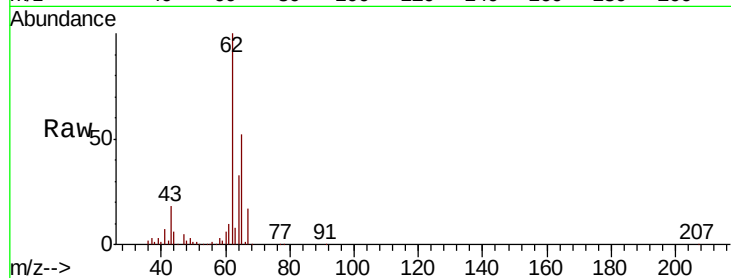
ClientSampleId :

Tot Ion: 62 Resp: 184825

Ion Ratio Lower Upper

62 100

64 33.1 22.9 42.5



#12

1,1-Dichloroethene

Concen: 0.120 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.02 min

Lab File: VU035382.D

Acq: 22 Oct 2019 22:56

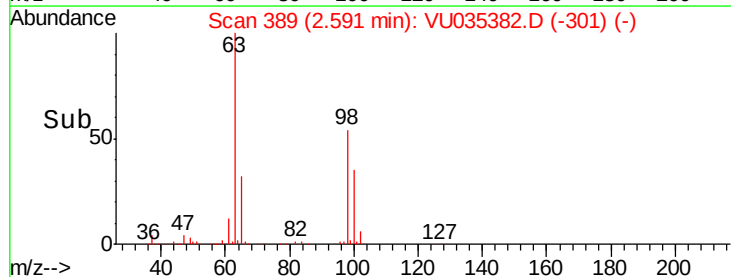
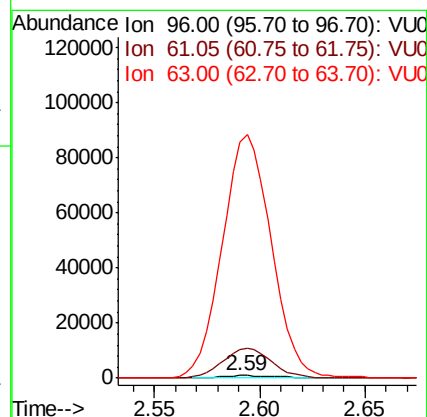
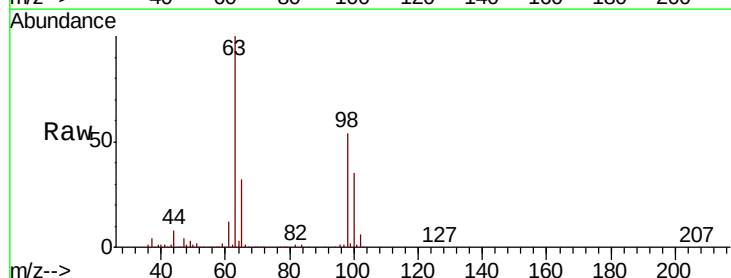
Tgt Ion: 96 Resp: 1774

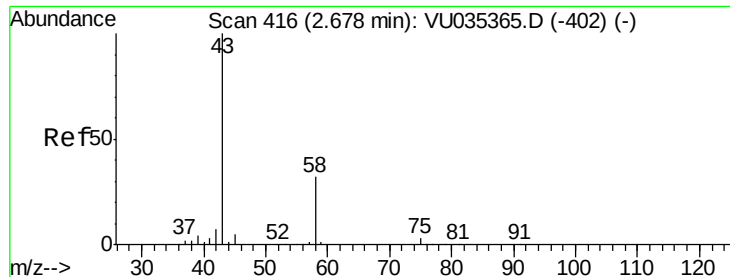
Ion Ratio Lower Upper

96 100

61 1151.8 120.6 224.0#

63 9489.3 86.8 161.2#





#13

Acetone

Concen: 3.085 ug/L

RT: 2.68 min Scan# 416

Delta R.T. -0.00 min

Lab File: VU035382.D

Acq: 22 Oct 2019 22:56

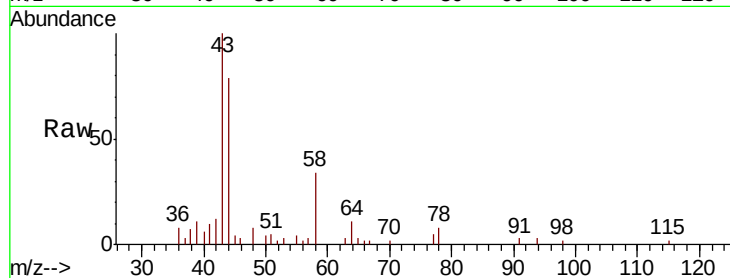
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 8643

Ion Ratio Lower Upper

43 100

58 38.5 0.0 61.8

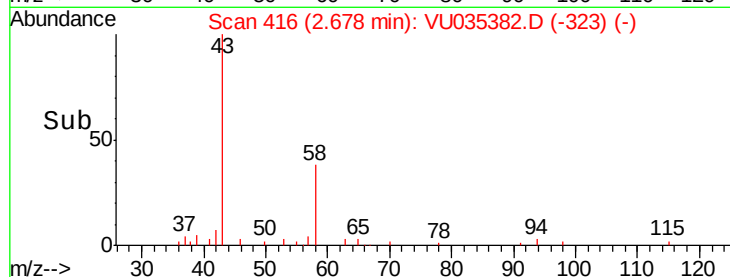


Abundance Ion 43.05 (42.75 to 43.75): VU035382.D (-323) (-)

Ion 58.05 (57.75 to 58.75): VU035382.D (-323) (-)

2.68

Time-->

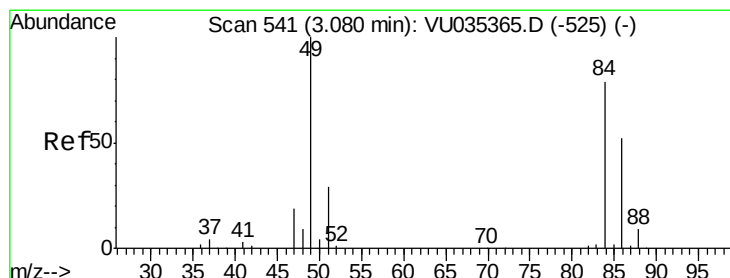


Scan 416 (2.678 min): VU035382.D (-323) (-)

43 58

37 50 65 78 94 115

m/z-->



#16

Methylene chloride

Concen: 0.094 ug/L

RT: 3.09 min Scan# 543

Delta R.T. 0.01 min

Lab File: VU035382.D

Acq: 22 Oct 2019 22:56

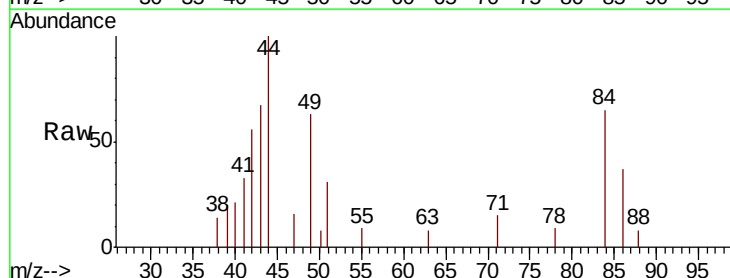
Tgt Ion: 84 Resp: 1672

Ion Ratio Lower Upper

84 100

86 56.9 45.4 84.2

49 96.2 86.8 161.2



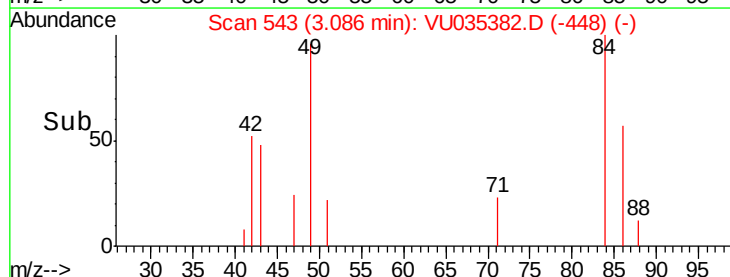
Abundance Ion 84.05 (83.75 to 84.75): VU035382.D (-448) (-)

Ion 86.00 (85.70 to 86.70): VU035382.D (-448) (-)

Ion 49.10 (48.80 to 49.80): VU035382.D (-448) (-)

3.09

Time-->

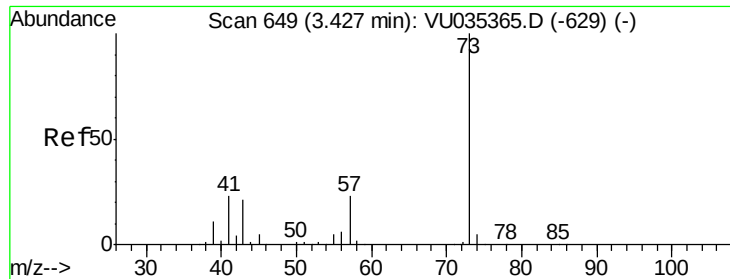


Scan 543 (3.086 min): VU035382.D (-448) (-)

49 84

42 71 88

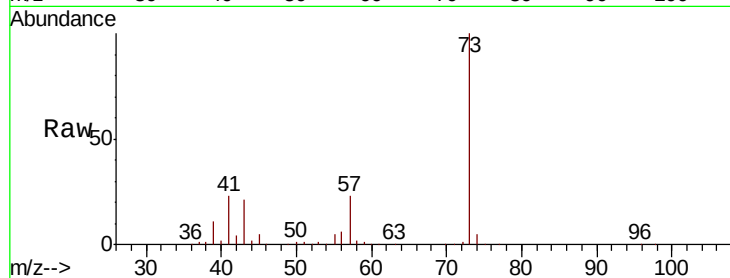
m/z-->



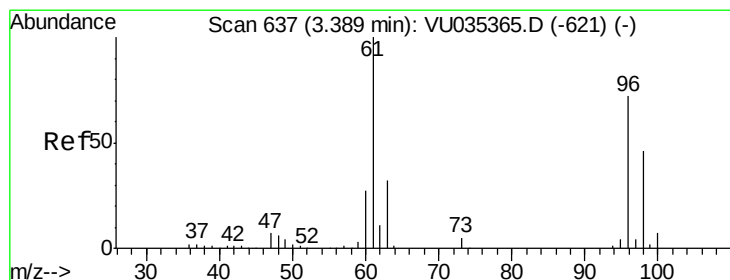
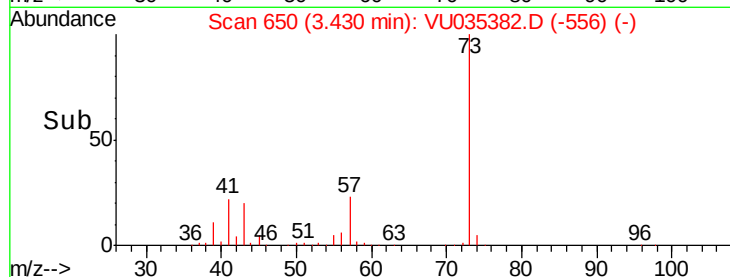
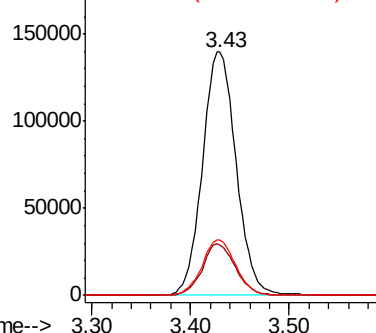
#17
Methyl tert-butyl Ether
Concen: 8.333 ug/L
RT: 3.43 min Scan# 650
Delta R.T. 0.00 min
Lab File: VU035382.D
Acq: 22 Oct 2019 22:56

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 331169
Ion Ratio Lower Upper
73 100
43 20.4 16.0 24.0
57 23.0 17.4 26.2

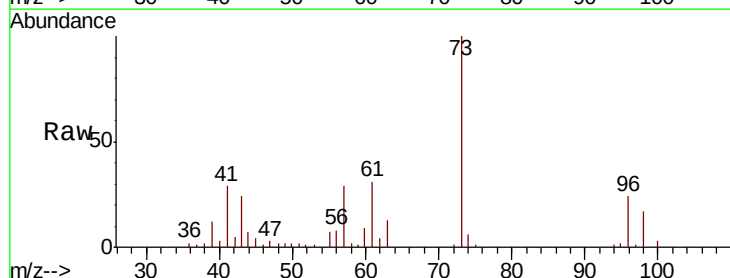


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

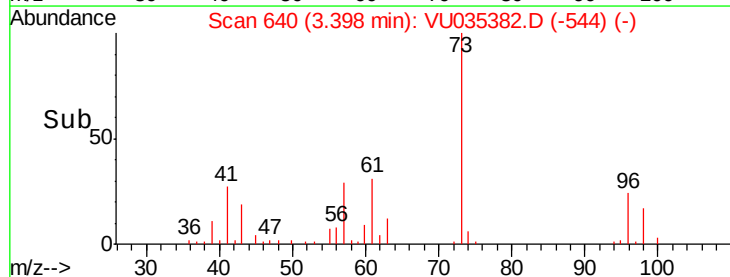
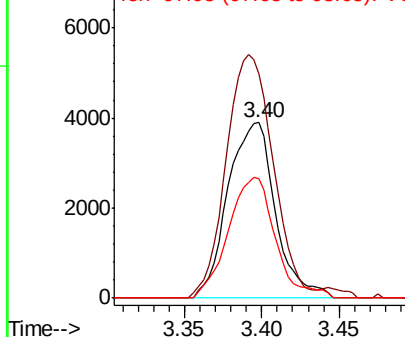


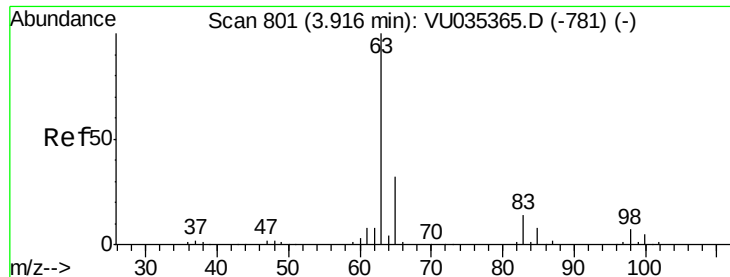
#18
trans-1,2-Dichloroethene
Concen: 0.522 ug/L
RT: 3.40 min Scan# 640
Delta R.T. 0.01 min
Lab File: VU035382.D
Acq: 22 Oct 2019 22:56

Tgt Ion: 96 Resp: 8319
Ion Ratio Lower Upper
96 100
61 127.6 93.0 172.6
98 68.3 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

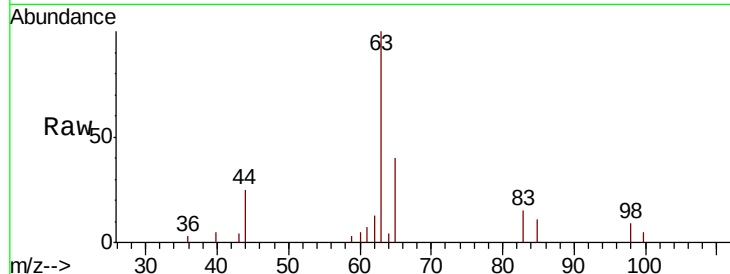




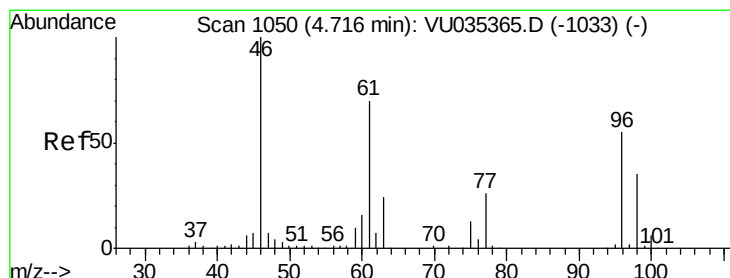
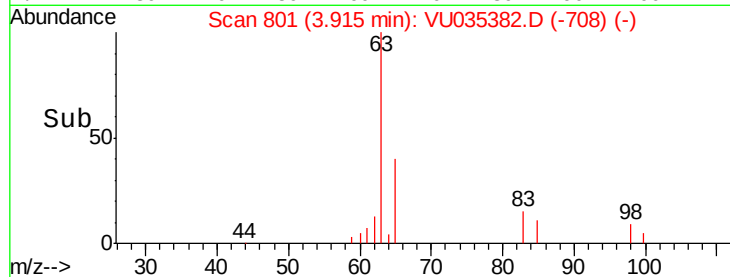
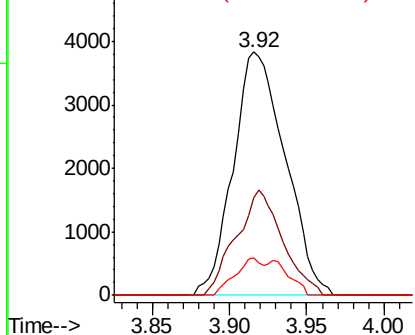
#19
 1,1-Dichloroethane
 Concen: 0.311 ug/L
 RT: 3.92 min Scan# 801
 Delta R.T. -0.00 min
 Lab File: VU035382.D
 Acq: 22 Oct 2019 22:56

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 63 Resp: 8959
 Ion Ratio Lower Upper
 63 100
 65 40.2 22.4 41.6
 83 15.3 9.3 17.3

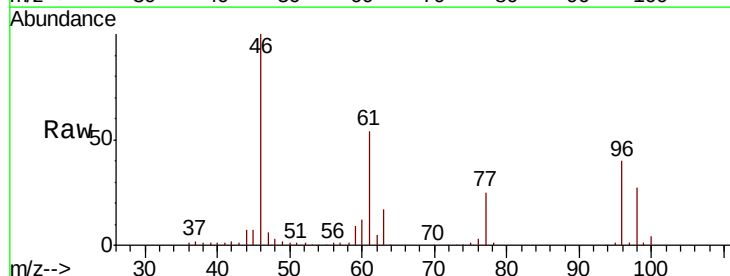


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

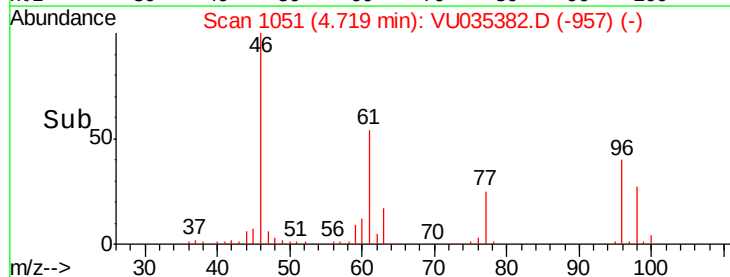
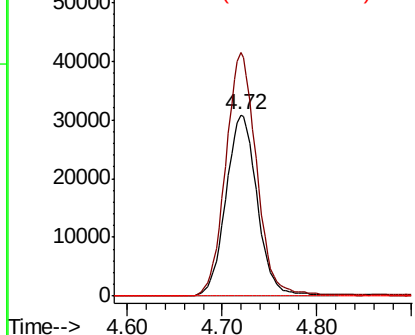


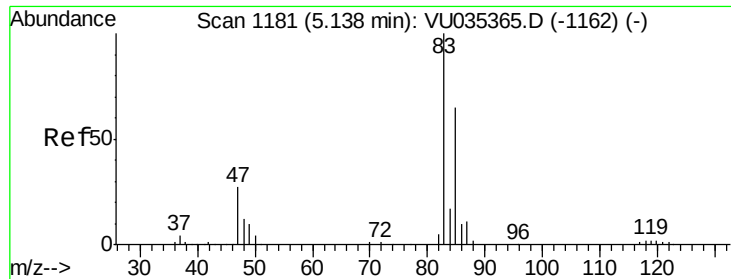
#22
 cis-1,2-Dichloroethene
 Concen: 4.026 ug/L
 RT: 4.72 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VU035382.D
 Acq: 22 Oct 2019 22:56

Tgt Ion: 96 Resp: 70920
 Ion Ratio Lower Upper
 96 100
 61 134.3 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

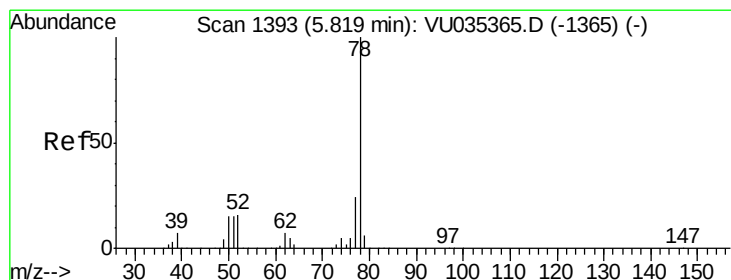
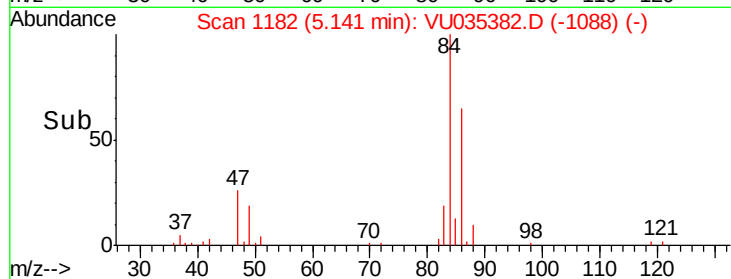
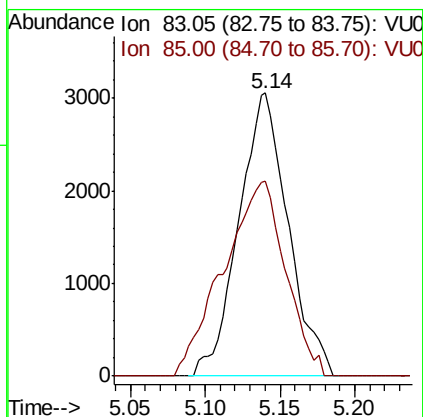
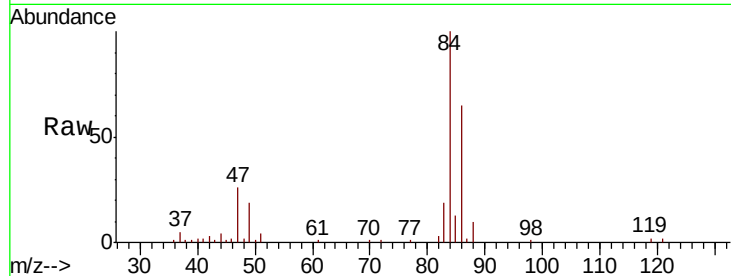




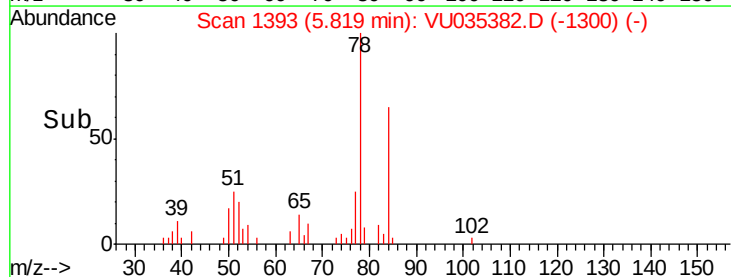
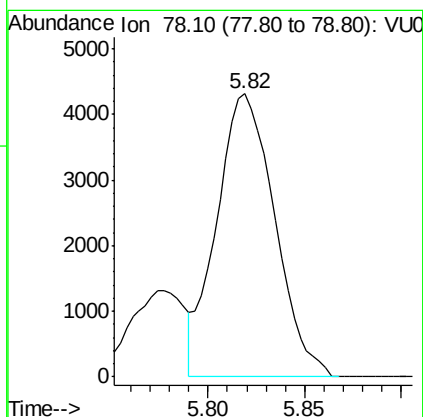
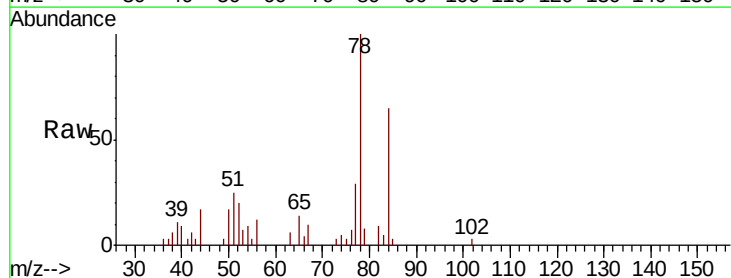
#25
Chloroform
Concen: 0.221 ug/L
RT: 5.14 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU035382.D
Acq: 22 Oct 2019 22:56

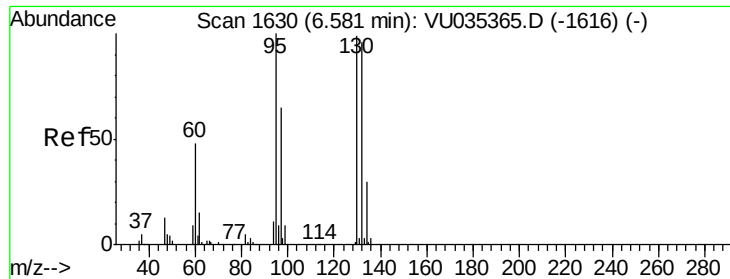
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 7000
Ion Ratio Lower Upper
83 100
85 69.1 45.1 83.9



#33
Benzene
Concen: 0.133 ug/L
RT: 5.82 min Scan# 1393
Delta R.T. -0.00 min
Lab File: VU035382.D
Acq: 22 Oct 2019 22:56
Tgt Ion: 78 Resp: 9024





#34

Trichloroethene

Concen: 0.229 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU035382.D

Acq: 22 Oct 2019 22:56

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 4193

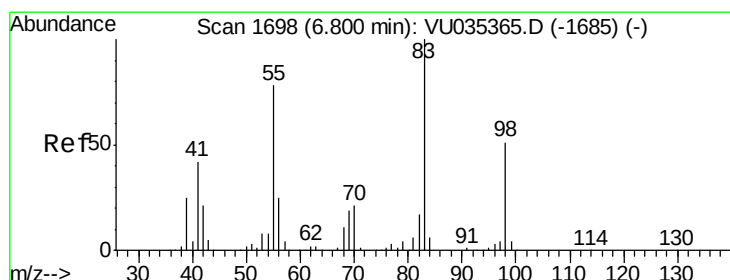
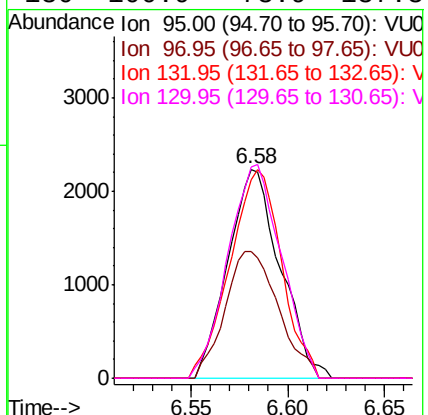
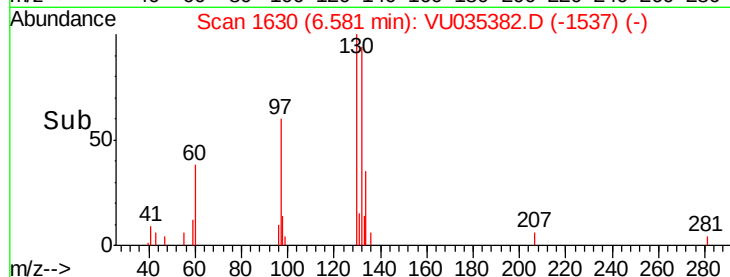
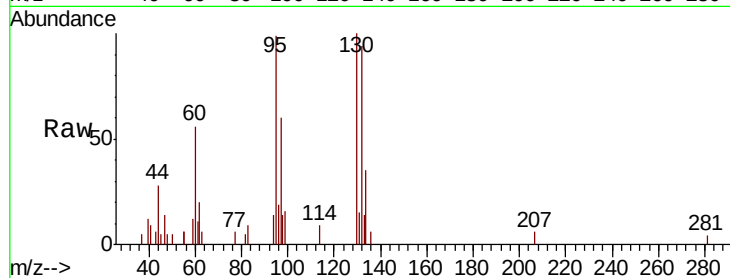
Ion Ratio Lower Upper

95 100

97 60.4 46.6 86.6

132 94.9 68.7 127.7

130 100.9 73.9 137.3



#35

Methylcyclohexane

Concen: 0.890 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.06 min

Lab File: VU035382.D

Acq: 22 Oct 2019 22:56

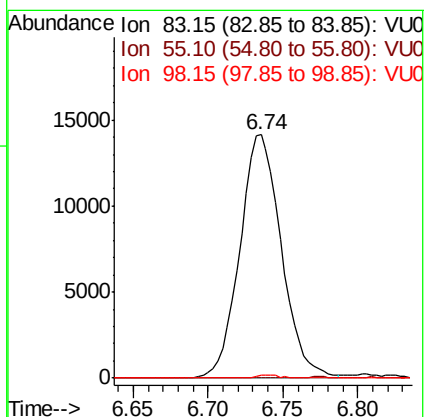
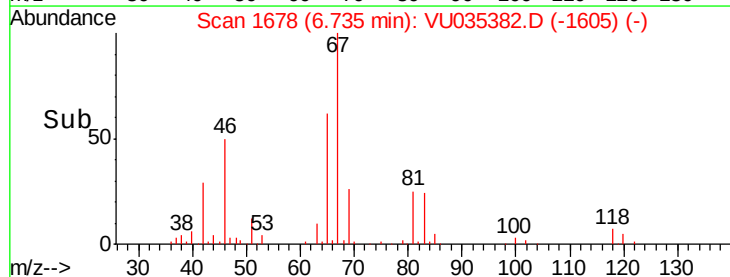
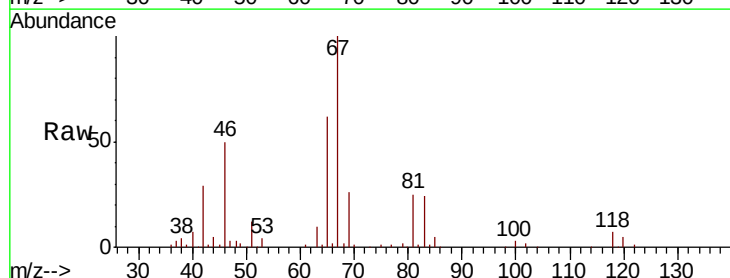
Tgt Ion: 83 Resp: 27239

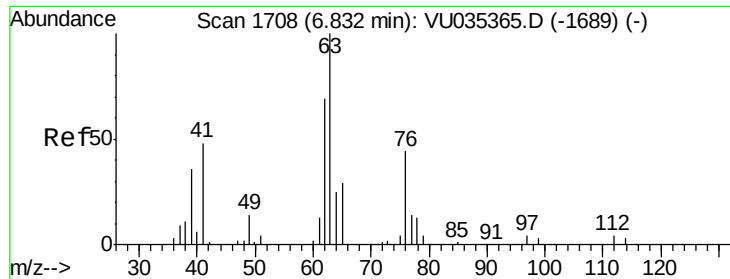
Ion Ratio Lower Upper

83 100

55 0.2 60.4 90.6#

98 0.7 39.5 59.3#

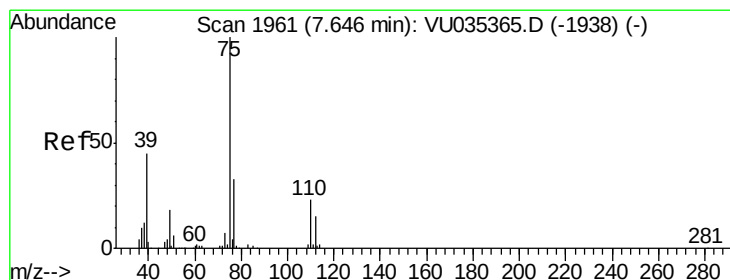
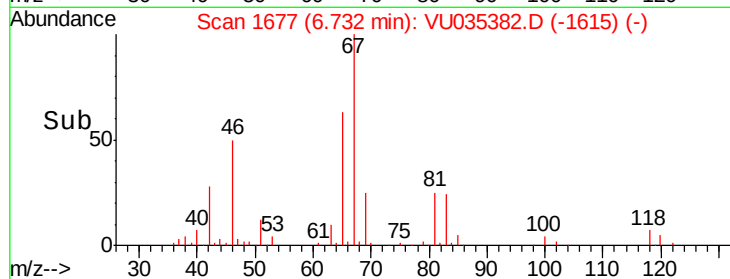
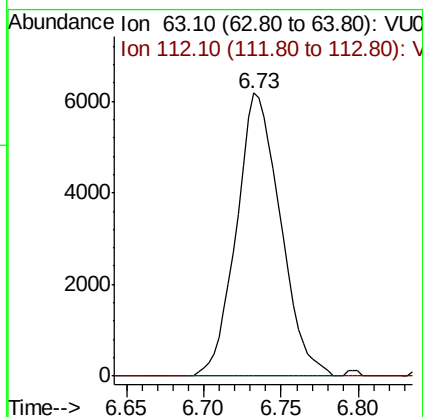
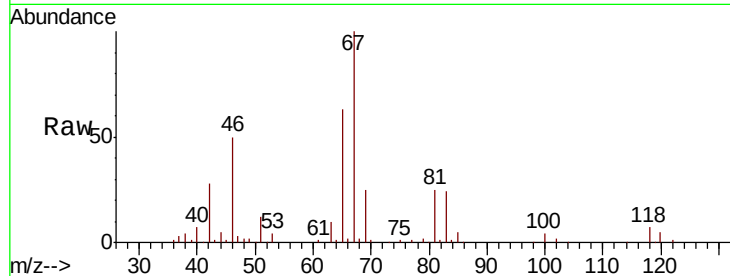




#37
 1,2-Dichloropropane
 Concen: 0.706 ug/L
 RT: 6.73 min Scan# 1677
 Delta R.T. -0.10 min
 Lab File: VU035382.D
 Acq: 22 Oct 2019 22:56

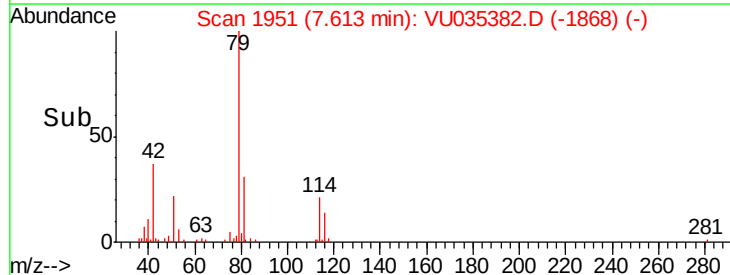
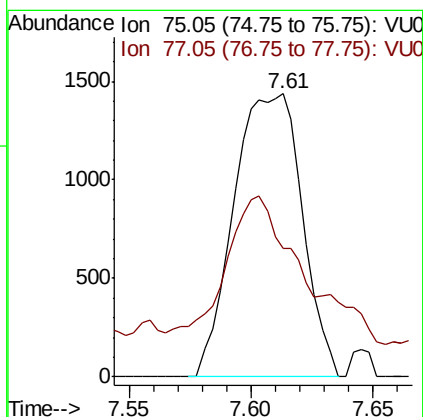
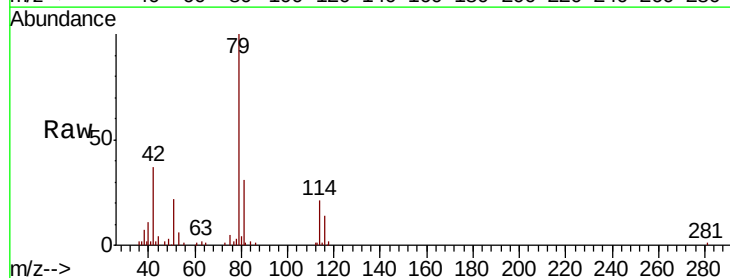
Instrument :
 MSVOA_U
 ClientSampled :

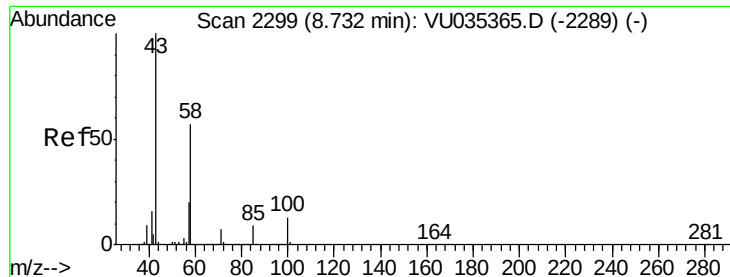
Tot Ion: 63 Resp: 12201
 Ion Ratio Lower Upper
 63 100
 112 0.2 3.7 5.5#



#39
 cis-1,3-Dichloropropene
 Concen: 0.096 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.03 min
 Lab File: VU035382.D
 Acq: 22 Oct 2019 22:56

Tgt Ion: 75 Resp: 2787
 Ion Ratio Lower Upper
 75 100
 77 45.5 22.7 42.1#

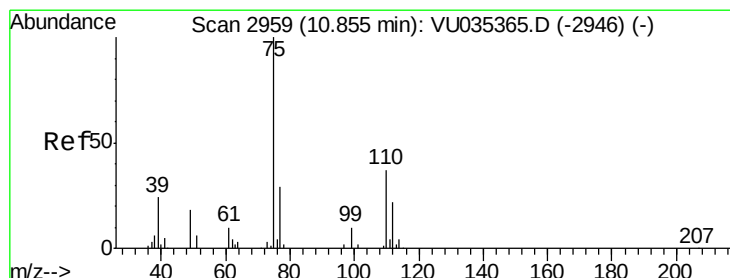
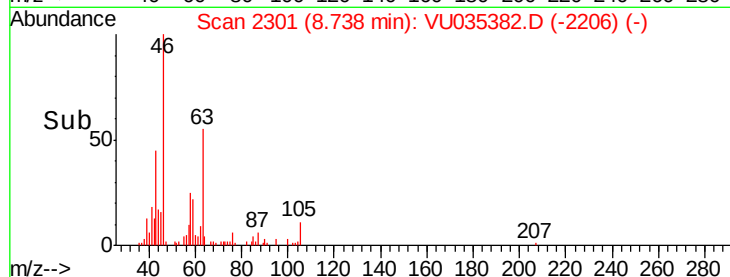
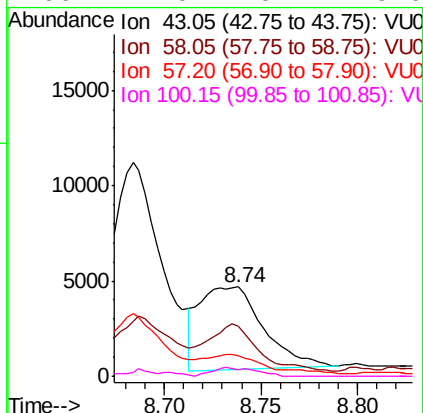
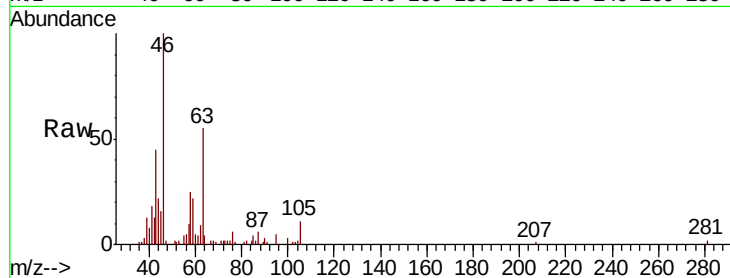




#48
 2-Hexanone
 Concen: 1.236 ug/L
 RT: 8.74 min Scan# 2301
 Delta R.T. 0.01 min
 Lab File: VU035382.D
 Acq: 22 Oct 2019 22:56

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 43 Resp: 10115
 Ion Ratio Lower Upper
 43 100
 58 53.8 45.1 67.7
 57 27.4 16.0 24.0#
 100 7.0 10.4 15.6#



#59
 1,2,3-Trichloropropane
 Concen: 0.943 ug/L
 RT: 11.84 min Scan# 3266
 Delta R.T. 0.99 min
 Lab File: VU035382.D
 Acq: 22 Oct 2019 22:56

Tgt Ion: 75 Resp: 11360
 Ion Ratio Lower Upper
 75 100
 77 35.8 26.2 39.2

