

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031120\
 Data File : VU037178.D
 Acq On : 11 Mar 2020 20:00
 Operator : JC/MD
 Sample : L1891-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DBER0

Quant Time: Mar 12 01:59:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR031120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Mar 12 01:55:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	110092	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	112212	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	45212	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	34054	4.71	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.20%
7) Chloroethane-d5	1.93	69	27240	5.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.60%
11) 1,1-Dichloroethene-d2	2.59	63	52895	3.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.00%
20) 2-Butanone-d5	4.68	46	89426	48.36	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.72%
24) Chloroform-d	5.10	84	71115	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
26) 1,2-Dichloroethane-d4	5.74	65	41790	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.40%
32) Benzene-d6	5.76	84	130614	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
36) 1,2-Dichloropropane-d6	6.73	67	42435	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.20%
41) Toluene-d8	7.93	98	116312	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
43) trans-1,3-Dichloropropene-	8.21	79	15889	4.41	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.20%
46) 2-Hexanone-d5	8.66	63	70204	46.82	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.64%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	33933	4.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.60%
64) 1,2-Dichlorobenzene-d4	12.21	152	42417	5.43	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.60%

Target Compounds

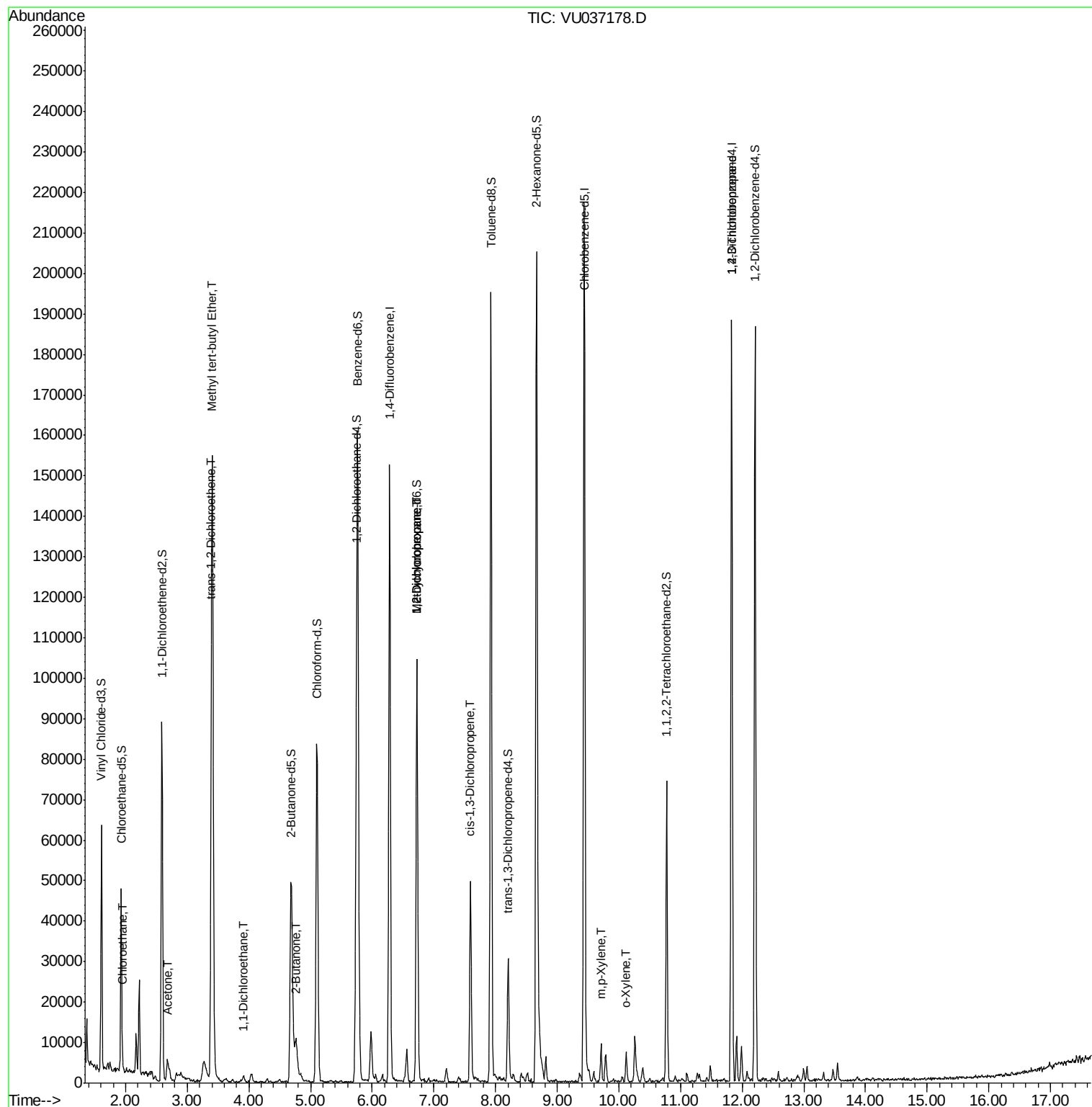
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.95	64	464	0.084	ug/L #	75
13) Acetone	2.68	43	7113	4.694	ug/L	79
17) Methyl tert-butyl Ether	3.40	73	155610	8.061	ug/L	100
18) trans-1,2-Dichloroethene	3.38	96	2319	0.305	ug/L	87
19) 1,1-Dichloroethane	3.91	63	2048	0.133	ug/L #	84
21) 2-Butanone	4.76	43	11337	4.753	ug/L	99
35) Methylcyclohexane	6.72	83	10459	0.755	ug/L #	16
37) 1,2-Dichloropropane	6.73	63	5381	0.616	ug/L #	91
39) cis-1,3-Dichloropropene	7.59	75	1693	0.135	ug/L #	57
53) m,p-Xylene	9.71	106	2488	0.176	ug/L	85
54) o-Xylene	10.12	106	2099	0.152	ug/L #	58
59) 1,2,3-Trichloropropane	11.83	75	6764	1.083	ug/L #	85

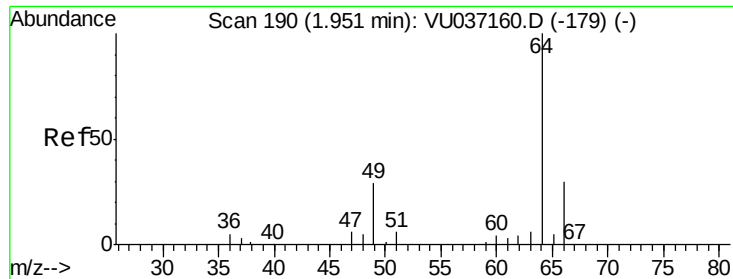
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 12 01:55:55 2020
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#8

Chloroethane

Concen: 0.084 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU037178.D

Acq: 11 Mar 2020 20:00

Instrument :

MSVOA_U

ClientSampleId :

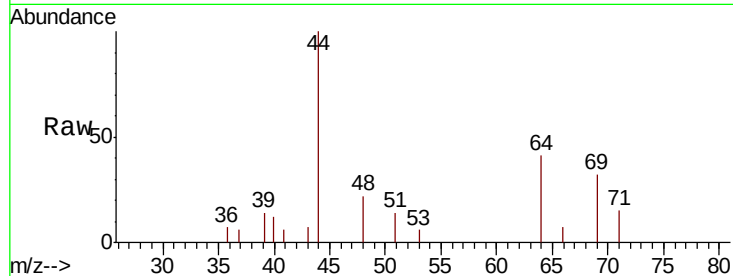
DBER0

Tot Ion: 64 Resp: 464

Ion Ratio Lower Upper

64 100

66 17.3 22.0 40.8#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

800

600

400

200

0

1.94

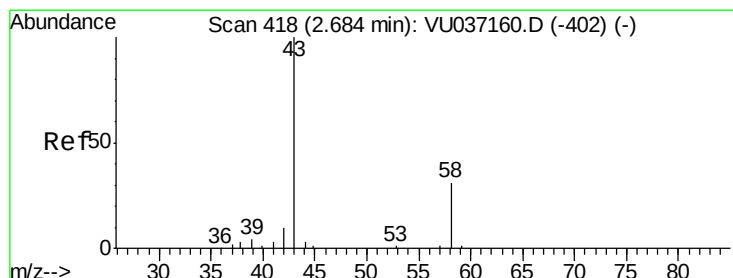
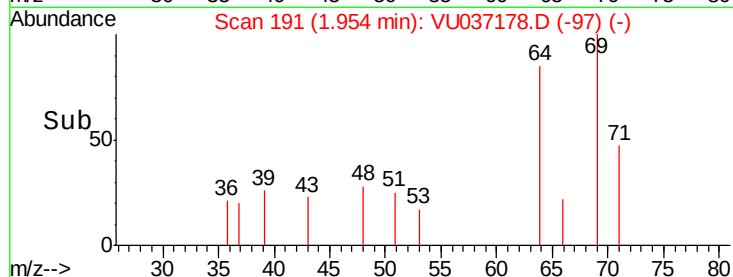
1.95

1.96

1.97

1.98

Time-->



#13

Acetone

Concen: 4.694 ug/L

RT: 2.68 min Scan# 416

Delta R.T. -0.01 min

Lab File: VU037178.D

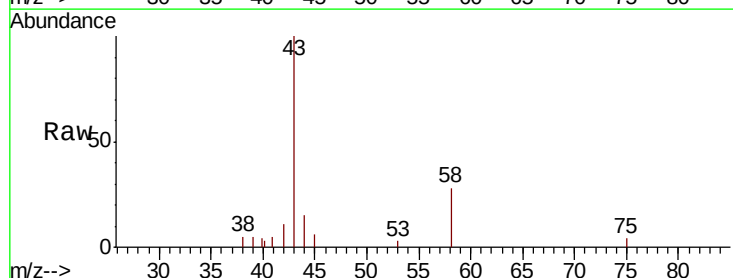
Acq: 11 Mar 2020 20:00

Tgt Ion: 43 Resp: 7113

Ion Ratio Lower Upper

43 100

58 15.2 0.0 52.2



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

3000

2000

1000

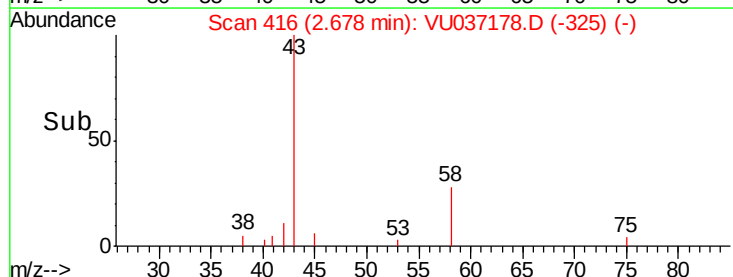
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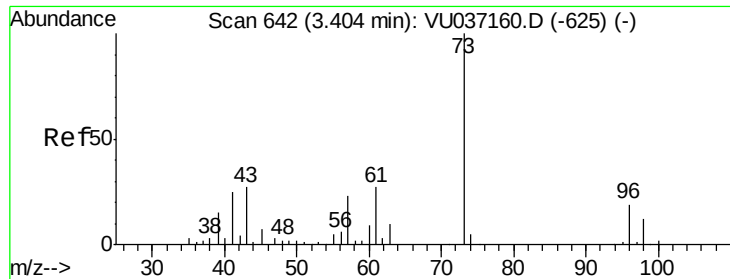
2.60

2.65

2.70

Time-->

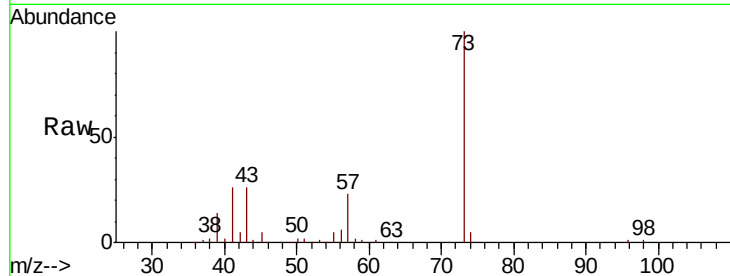




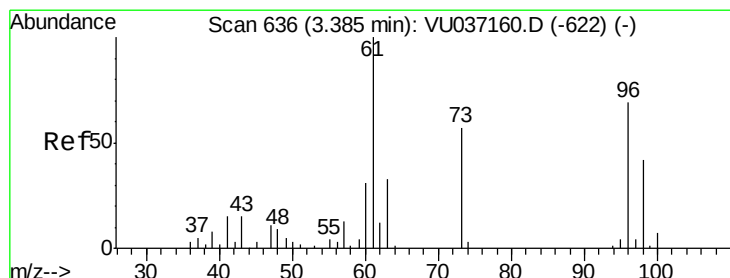
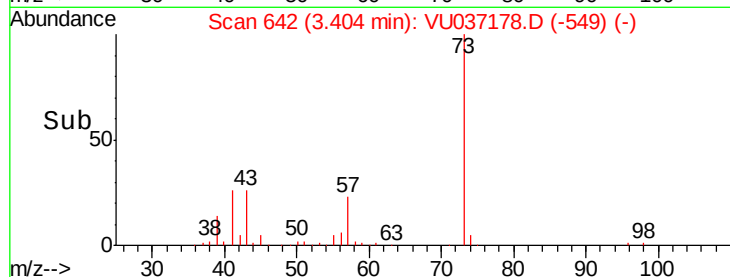
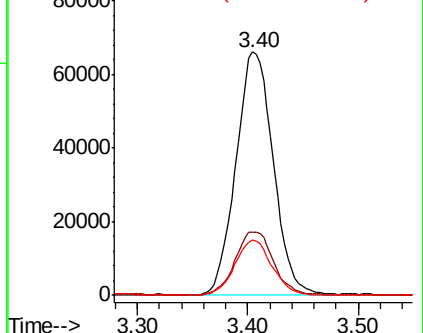
#17
Methyl tert-butyl Ether
Concen: 8.061 ug/L
RT: 3.40 min Scan# 642
Delta R.T. 0.00 min
Lab File: VU037178.D
Acq: 11 Mar 2020 20:00

Instrument :
MSVOA_U
ClientSampleId :
DBER0

Tot Ion: 73 Resp: 155610
Ion Ratio Lower Upper
73 100
43 26.3 21.1 31.7
57 22.6 17.9 26.9

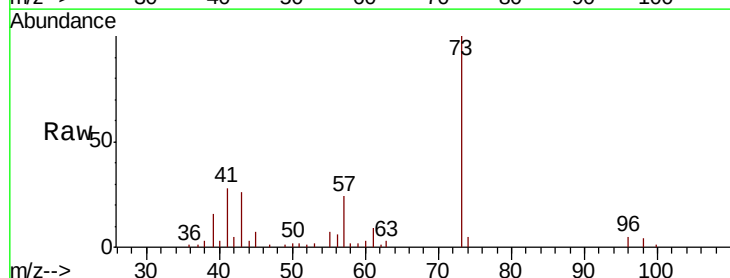


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

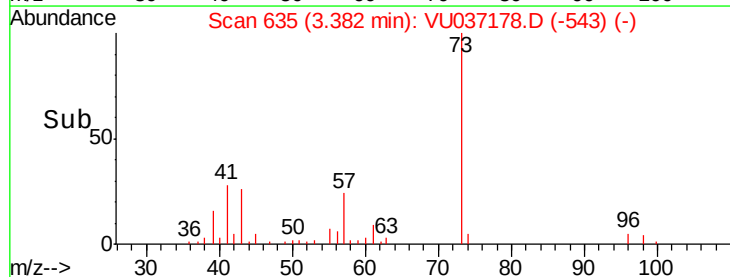
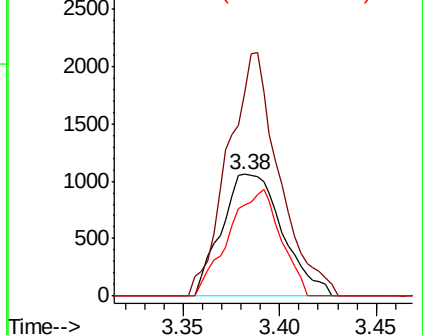


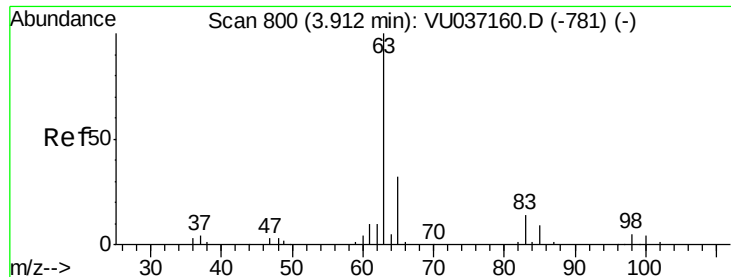
#18
trans-1,2-Dichloroethene
Concen: 0.305 ug/L
RT: 3.38 min Scan# 635
Delta R.T. -0.00 min
Lab File: VU037178.D
Acq: 11 Mar 2020 20:00

Tgt Ion: 96 Resp: 2319
Ion Ratio Lower Upper
96 100
61 167.5 107.2 199.2
98 75.0 43.6 81.0



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

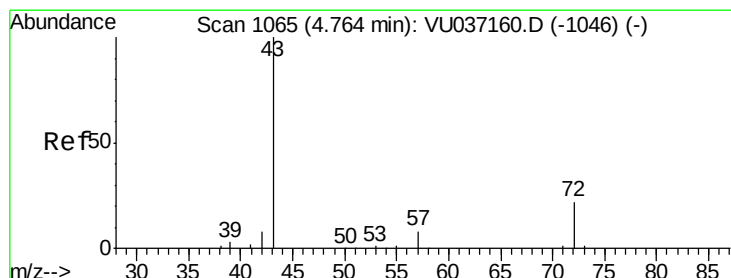
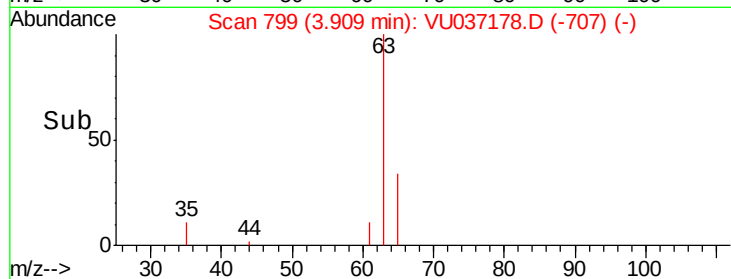
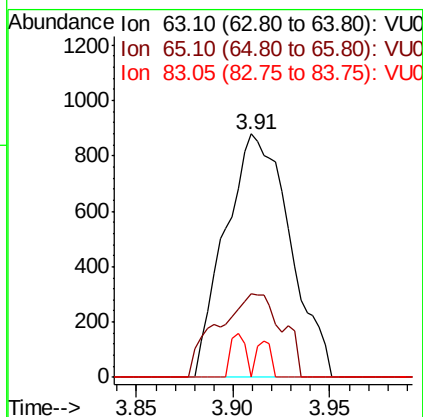
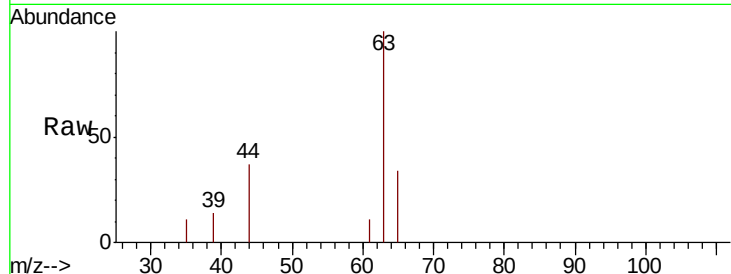




#19
 1,1-Dichloroethane
 Concen: 0.133 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU037178.D
 Acq: 11 Mar 2020 20:00

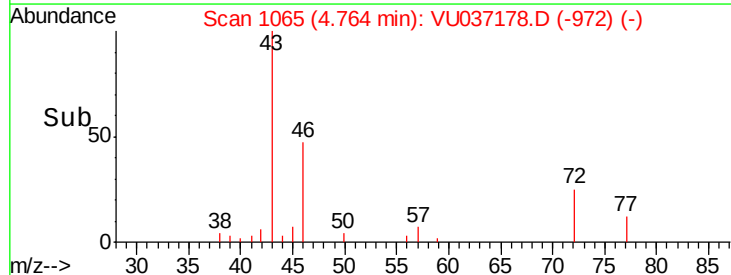
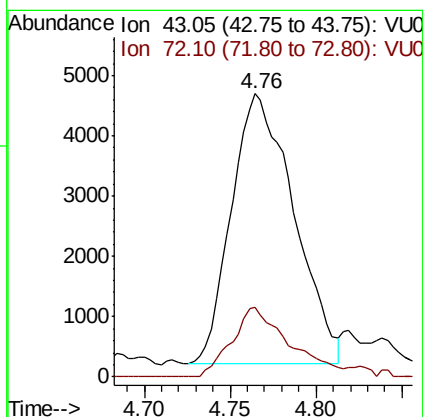
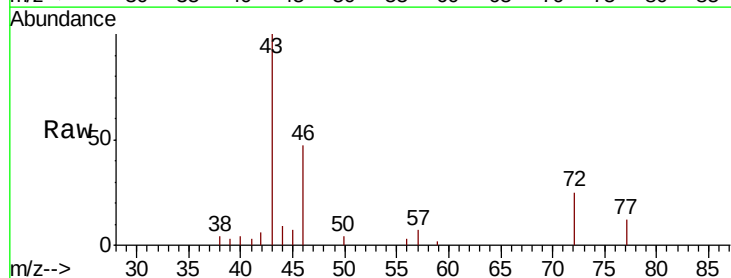
Instrument :
 MSVOA_U
 ClientSampleId :
 DBER0

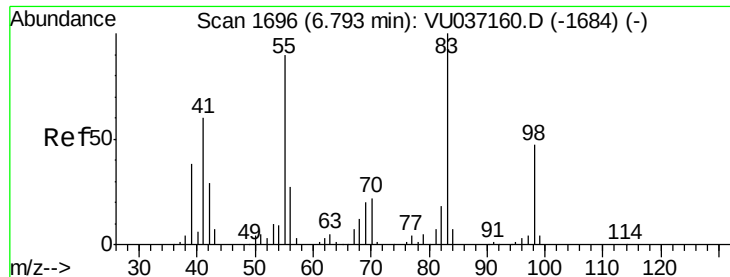
Tot Ion: 63 Resp: 2048
 Ion Ratio Lower Upper
 63 100
 65 34.1 21.3 39.5
 83 0.0 10.0 18.6#



#21
 2-Butanone
 Concen: 4.753 ug/L
 RT: 4.76 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VU037178.D
 Acq: 11 Mar 2020 20:00

Tgt Ion: 43 Resp: 11337
 Ion Ratio Lower Upper
 43 100
 72 23.6 11.6 34.7

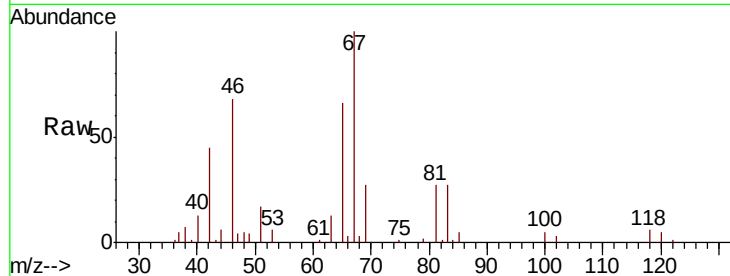




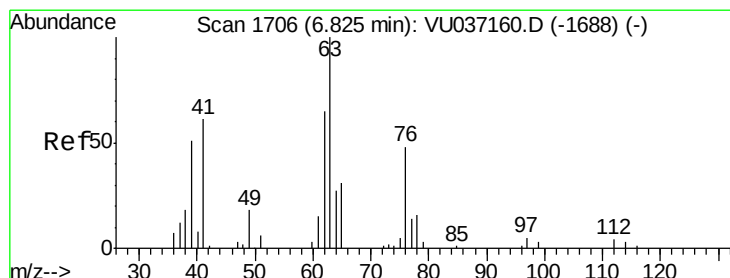
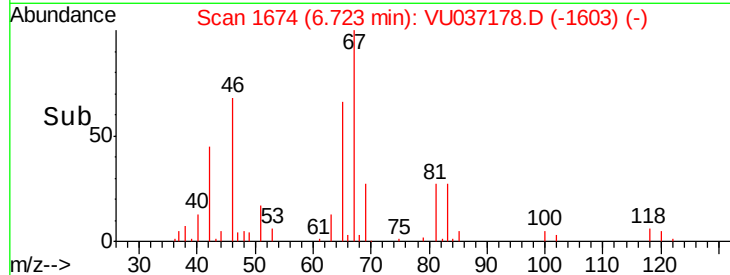
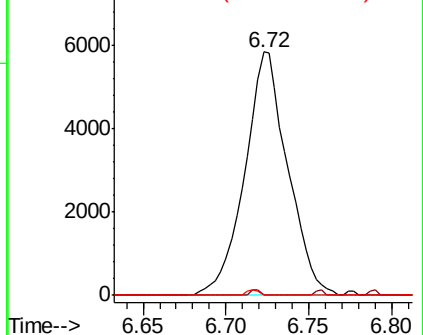
#35
Methylvlcyclohexane
Concen: 0.755 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU037178.D
Acq: 11 Mar 2020 20:00

Instrument :
MSVOA_U
ClientSampleId :
DBER0

Tot Ion: 83 Resp: 10459
Ion Ratio Lower Upper
83 100
55 0.5 68.1 102.1#
98 0.6 37.0 55.4#

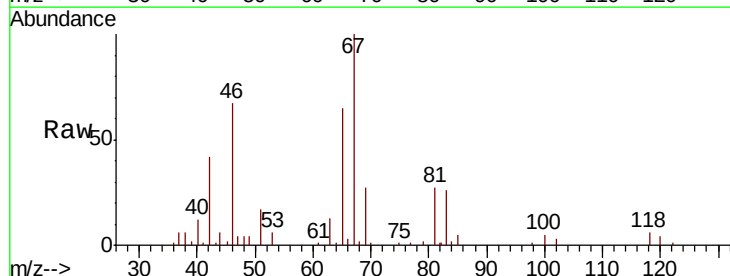


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

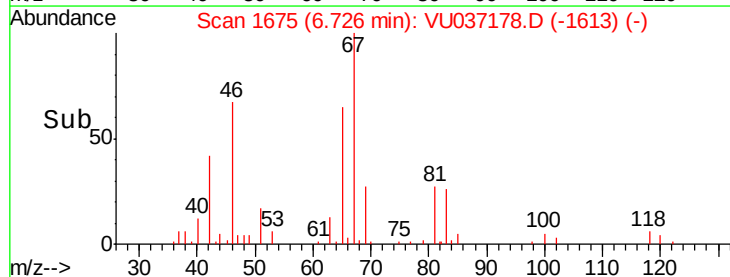
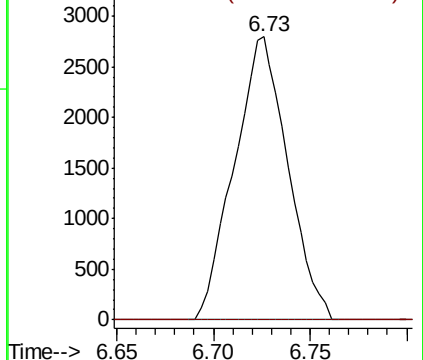


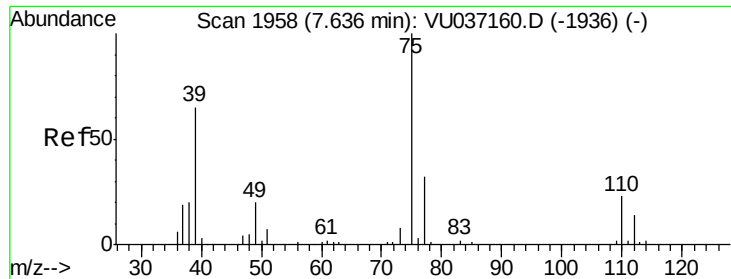
#37
1,2-Dichloropropane
Concen: 0.616 ug/L
RT: 6.73 min Scan# 1675
Delta R.T. -0.10 min
Lab File: VU037178.D
Acq: 11 Mar 2020 20:00

Tgt Ion: 63 Resp: 5381
Ion Ratio Lower Upper
63 100
112 0.8 3.0 4.6#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

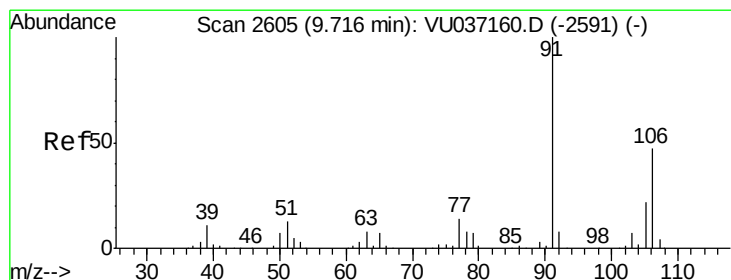
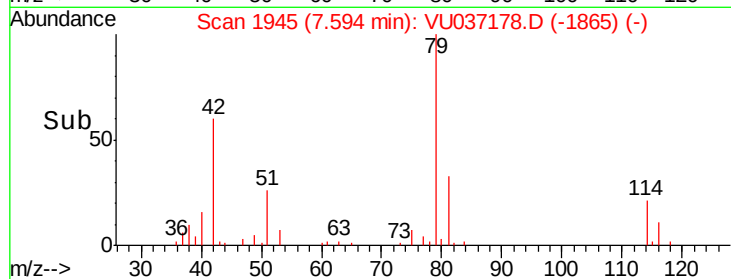
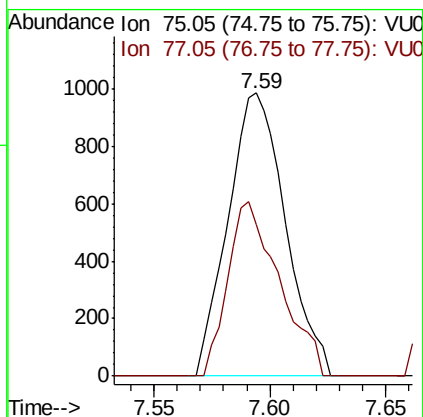
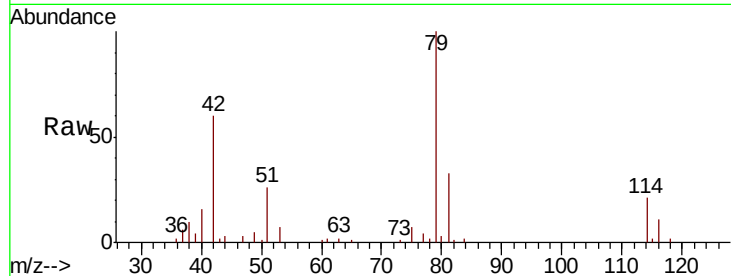




#39
 cis-1,3-Dichloropropene
 Concen: 0.135 ug/L
 RT: 7.59 min Scan# 1945
 Delta R.T. -0.04 min
 Lab File: VU037178.D
 Acq: 11 Mar 2020 20:00

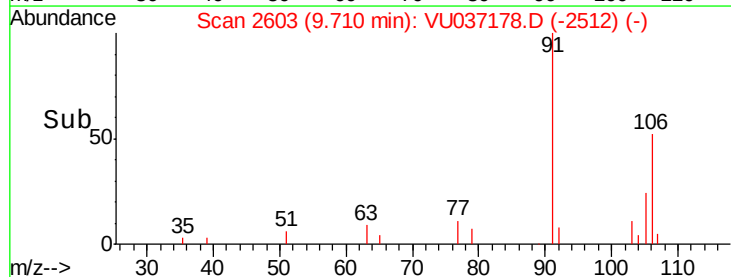
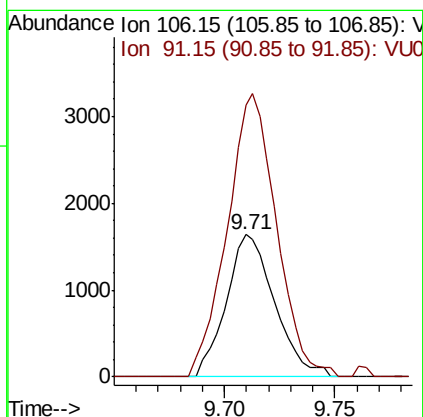
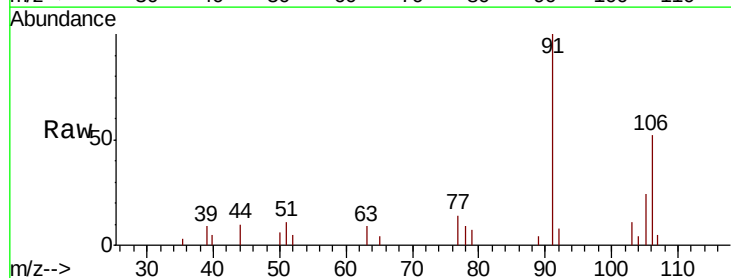
Instrument :
 MSVOA_U
 ClientSampled :
 DBER0

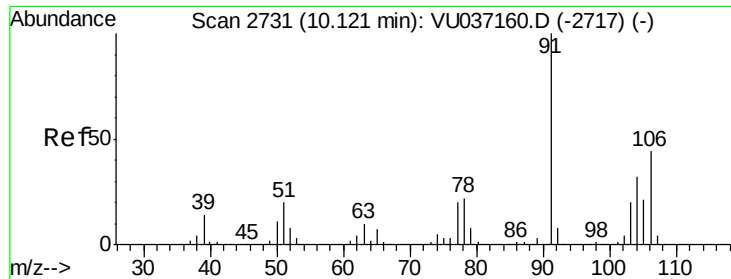
Tot Ion: 75 Resp: 1693
 Ion Ratio Lower Upper
 75 100
 77 53.6 21.1 39.1#



#53
 m,p-Xylene
 Concen: 0.176 ug/L
 RT: 9.71 min Scan# 2603
 Delta R.T. -0.01 min
 Lab File: VU037178.D
 Acq: 11 Mar 2020 20:00

Tgt Ion: 106 Resp: 2488
 Ion Ratio Lower Upper
 106 100
 91 191.8 150.4 279.4

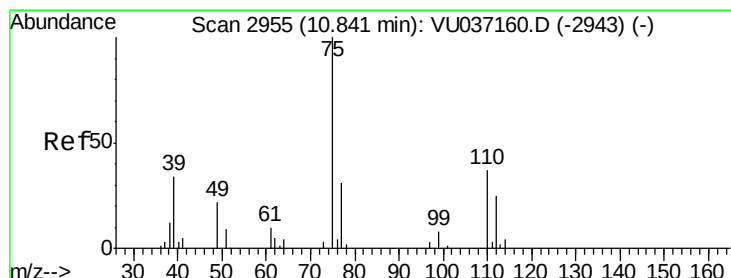
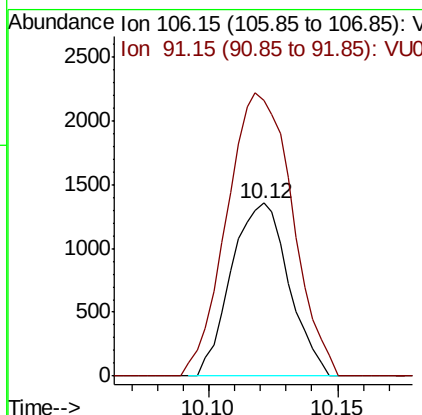
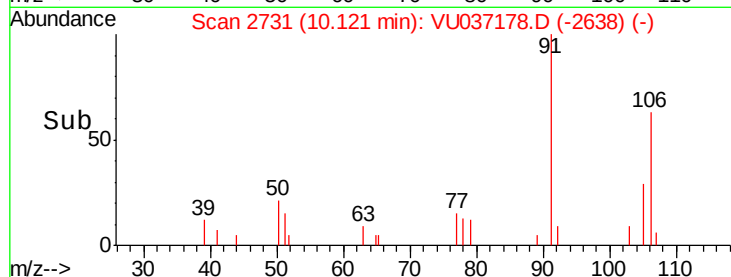
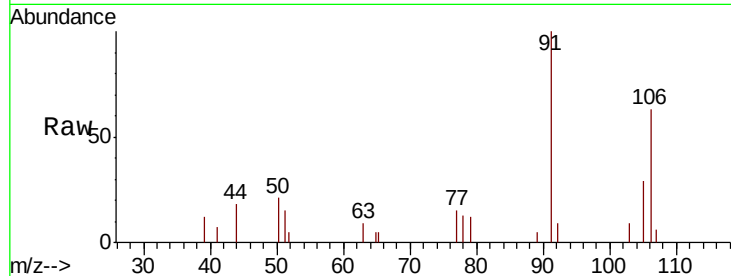




#54
o-Xylene
Concen: 0.152 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. 0.00 min
Lab File: VU037178.D
Acq: 11 Mar 2020 20:00

Instrument :
MSVOA_U
ClientSampleId :
DBER0

Tot Ion:106 Resp: 2099
Ion Ratio Lower Upper
106 100
91 159.5 160.6 298.2#



#59
1,2,3-Trichloropropane
Concen: 1.083 ug/L
RT: 11.83 min Scan# 3262
Delta R.T. 0.99 min
Lab File: VU037178.D
Acq: 11 Mar 2020 20:00

Tgt Ion: 75 Resp: 6764
Ion Ratio Lower Upper
75 100
77 43.0 27.4 41.0#

